Appendix 6B
Water Resources System Modeling

Line items and numbers identified or noted as “No Action Alternative” represent the “Existing Conditions/No Project/No Action Condition” (described in Chapter 2 Alternatives Analysis). Table numbering may not be consecutive for all appendixes.

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APPENDIX 6B
Water Resources System Modeling

6B.1 Overview and Description

6B.1.1 Introduction

This appendix provides a description of the overall analytical process used in evaluating Sites Reservoir Project (Project) alternatives for the Sites Reservoir Project Draft Environmental Impact Report/Environmental Impact Statement (Project DEIR/EIS). It provides additional detail to the analytical framework discussion provided in Chapter 5 Guide to the Resource Analyses. In addition, this appendix also describes the CALSIM II model that was used to study the operational changes under the DEIR/EIS Alternatives and results used in the detailed evaluation of alternatives.

6B.1.2 Analytical Framework

Project alternatives were formulated to achieve multiple benefits. Chapter 3 Description of the Sites Reservoir Project Alternatives describes the primary and secondary objectives of the Project. Project alternatives operations are primarily focused on improving water supply reliability, Delta water quality, survival of anadromous fish and flexible hydropower generation. The analytical framework, tools, and analyses were formulated for evaluating the benefits and impacts of Project alternatives for all the primary objectives. The framework provides for iteratively refining operations criteria to minimize both the systemwide and localized impacts on various resources while maximizing the benefits of the Project operations in meeting the multiple primary objectives.

A detailed list of the modeling tools and analyses that are part of the analytical framework is provided in Chapter 5 Guide to the Resource Analyses. Figure 6B-1 shows the key models that are part of the analytical framework. It also shows the data flow among the models. The primary model in the framework is CALSIM II with inputs describing the hydrology, facilities, water management, regulatory standards, and operational criteria assumptions. CALSIM II outputs regarding system operation decisions including deliveries, flows and storages are then used by every other model in the analytical framework. CALSIM II operations were informed based on the reporting metrics from various models that simulate river temperatures, anadromous fish survival and population, Delta water quality, hydropower generation and socioeconomics.

Once refined and finalized, for each DEIR/EIS Alternative, CALSIM II results were used to study the systemwide impacts in various resource areas including surface water, recreation, fluvial geomorphology and riparian habitat, flood control, groundwater, aquatic biology, botanical, terrestrial, socioeconomics, climate change, power, growth inducing etc.

Upper Sacramento River Daily Operations Model (USRDOM) uses the CALSIM II outputs regarding the operational controls and reservoir releases to simulate daily reservoir operations and daily river flows for the upper Sacramento River from Shasta Dam to Knights Landing. For evaluating Project operations under DEIR/EIS Alternatives, CALSIM II and USRDOM were simulated iteratively to determine potential restrictions on the Sites Reservoir diversions due to pulse flow conditions in Sacramento River. USRDOM is described in Appendix 6C Upper Sacramento River Daily River Flow and Operations Modeling. USRDOM results were also used to study the impacts in the Surface Water Resources. In

addition, CALSIM II and/or USRDOM results were used by other models in the framework to generate the reporting metrics to evaluate systemwide impacts for various DEIR/EIS resources.

Figure 6B-1 shows the key reporting metrics for each modeling tool in the analytical framework. Delta Simulation Model (DSM2), described in Appendix 7D Sacramento-San Joaquin Delta Modeling, was used to simulate hydrodynamics (flow, velocity and water levels) and water quality (salinity) in the Sacramento-San Joaquin Delta. The Upper Sacramento River Water Quality Model (USRWQM), described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures in the upper Sacramento River, from Shasta Lake to Knights Landing, including the CVP facilities in the Trinity River basin and the tributaries along the Sacramento River. The Bureau of Reclamation (Reclamation) Temperature Model, described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures in the Trinity River, Feather River, and Stanislaus River. The Folsom CE-QUAL-W2 model, described in Appendix 7E River Temperature Modeling, was used to simulate reservoir and river temperatures on the American River. Using the flow results from USRDOM and temperature results from USRWQM, SALMOD and IOS models were simulated to study the impacts of DEIR/EIS Alternatives on the anadromous fish in the Sacramento River. Similarly, using the temperature and flow results from the Reclamation Temperature Model, the Reclamation Salmon Mortality Model simulates the impacts of the DEIR/EIS Alternatives on early life stage mortality of salmonids in the Trinity, Sacramento, Feather, and American rivers. SALMOD, IOS and Reclamation Salmon Mortality Models are described in Appendix 12xx. LTGEN, SWP Power, NODOS Power and other power modeling tools, described in Appendix 31A Power Planning Study (PARO) and Appendix 31B CVP-SWP Power Modeling, were used to study the impacts of DEIR/EIS Alternatives on the power production and use. Several economic modeling tools, described in the appendixes for Chapter 22 Socioeconomics, were used to study the impact of the DEIR/EIS Alternatives on the agricultural water supply economics, urban water supply and water quality economics and other regional socioeconomics. Several other analytical tools and models that are not shown in the Figure 6B-1, but described in Chapter 5 Guide to the Resource Analyses and other resource chapters, were used in the detailed systemwide impact analysis of the DEIR/EIS Alternatives.

In addition to the studying the systemwide impacts, the analytical framework was also used to study the local impacts in the primary and secondary study areas. Figure 6B-2 shows the key modeling tools used to study the local watershed impacts under various resource areas. The daily river flows from the USRDOM were used to simulate the impacts to fluvial geomorphology and riparian habitat in the upper Sacramento River, using SRH tools. The SRH tools are described in the appendixes for Chapter 8 Fluvial Geomorphology and Riparian Habitat. As described earlier, USRWQM was used to study river temperatures in the upper Sacramento River. SALMOD, IOS and SAC-EFT were used to study the impacts on the Sacramento River anadromous fish. SAC-EFT, described in Appendix 8B Sacramento River Ecological Flows Tool, was also used to study the riparian habitat, botanical and terrestrial impacts. Daily river and tributary flows from the USRDOM model were also used in studying the worst-case water quality impacts in the Sacramento River, as described in Appendix 7C Surface Water Quality Analysis for Electrical Conductivity at Proposed Intakes. Daily Sites Reservoir diversions and river flows from USRDOM along with the river temperatures at the Sites Reservoir diversion intakes from the USRWQM were used in studying the potential impact of the Sites Reservoir releases on the temperatures in the Sacramento River near the Delevan Pipeline, as described in Appendix 7F Sites Reservoir Discharge Temperature Modeling. Several other resource-specific analyses, described in respective resource chapters, were developed to study the DEIR/EIS Alternatives' impacts in the primary and secondary study areas, using the CALSIM II and USRDOM flow results.

6B.1.2.1 Appropriate Use of Modeling Results

The models developed and applied in planning analysis such as the DEIR/EIS impact evaluation, are generalized and simplified representations of a complex water resources system. Even so, the models used are informative and helpful in understanding the performance and potential effects (both positive and negative) of the operation of a project and its interaction with the water resources system under consideration. A brief description of appropriate use of the model results to compare two scenarios or to compare against threshold values or standards is presented below.

Absolute vs. Relative Use of the Model Results

The models used in planning analysis are not predictive models (in how they are applied in this project), and therefore the results cannot be considered as absolute with and within a quantifiable confidence interval. The model results are only useful in a comparative analysis and can only serve as an indicator of condition (e.g., compliance with a standard) and of trend (e.g., generalized impacts).

Appropriate Reporting Time-Step

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate time-step for the reporting of model results. Sub-monthly (e.g., weekly or daily) reporting of model results are generally inappropriate for all models and the results should be presented on a monthly basis. Specific to the DEIR/EIS, there are exceptions to this guidance, and selected model results can be reported on a sub-monthly basis with adequate caution.

Appropriate Reporting Locations

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate reference locations (and/or boundaries) for the reporting of model results. Each model assumes a simplified spatial representation of the water resource system and sub-systems. Reporting of model results inconsistent with the spatial representation of the model is inappropriate for all models.

Selection of Model Results

Specific to the DEIR/EIS, substantial improvements to existing and new models have been developed to support the project team needs. For features within the Sacramento River and the Colusa Basin (where the Project would be located), a set of new models have been developed. These models have not been used in previous analyses.

Statistical Comparisons are Preferred

Absolute differences computed at a point in time between model results from an alternative and a baseline, or an alternative and a threshold, to evaluate impacts is an inappropriate use of model results. Reporting seasonal patterns from long-term averages and water year type averages (e.g., D1641 40-30-30 classification) is appropriate. Statistics based on long-term and water year type averages are an appropriate use of model results. Computing differences between long-term or water-year-type averages of model results from two scenarios is appropriate. The most appropriate presentation of monthly and annual model results is in the form of probability distributions and comparisons of probability distributions (e.g., cumulative probabilities). If necessary, comparisons of model results against threshold or standard values should be limited to comparisons based on cumulative probability distributions. Information specific to a model calibration (or lack of) and performance in predictive and comparative evaluations should be considered in making the choice to use these types of comparisons.

Formats for Presentation of Model Results

Acceptable formats considering the preceding recommendations and guidelines were used presenting the modeling results in the DEIR/EIS. Monthly and annual summary data presented in the following formats:

- Long-term average summary and year type based summary tables and graphics showing monthly and/or annual statistics derived from the model results
- Cumulative exceedance probability monthly and/or annual model results shown only by rank/order or only by probability statistic

Comparative statistics based on these two types of presentations are generally acceptable. Presentation of specific values associated with exceedance probabilities should be done in the context of a complete presentation of the range of values across all probability levels. If this is not possible, values associated with extremely high or low probabilities should not be presented (it is reasonable to stay within the range of an approximate maximum of 95 percent to an approximate minimum of 5 percent exceedance levels if not in the context of the full data range).

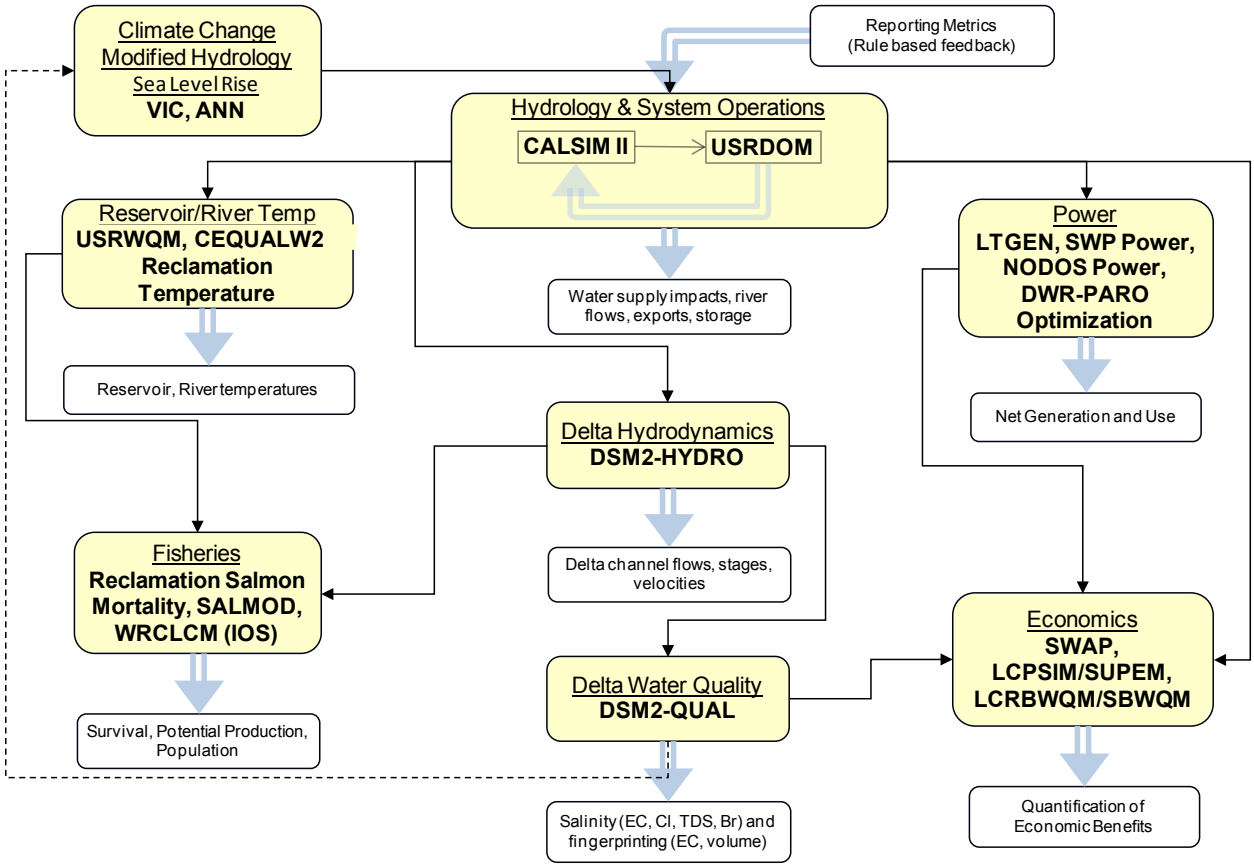

Figure 6B-1 DEIR/EIS Analytical Framework – System (Feasibility, System-Level Impacts)

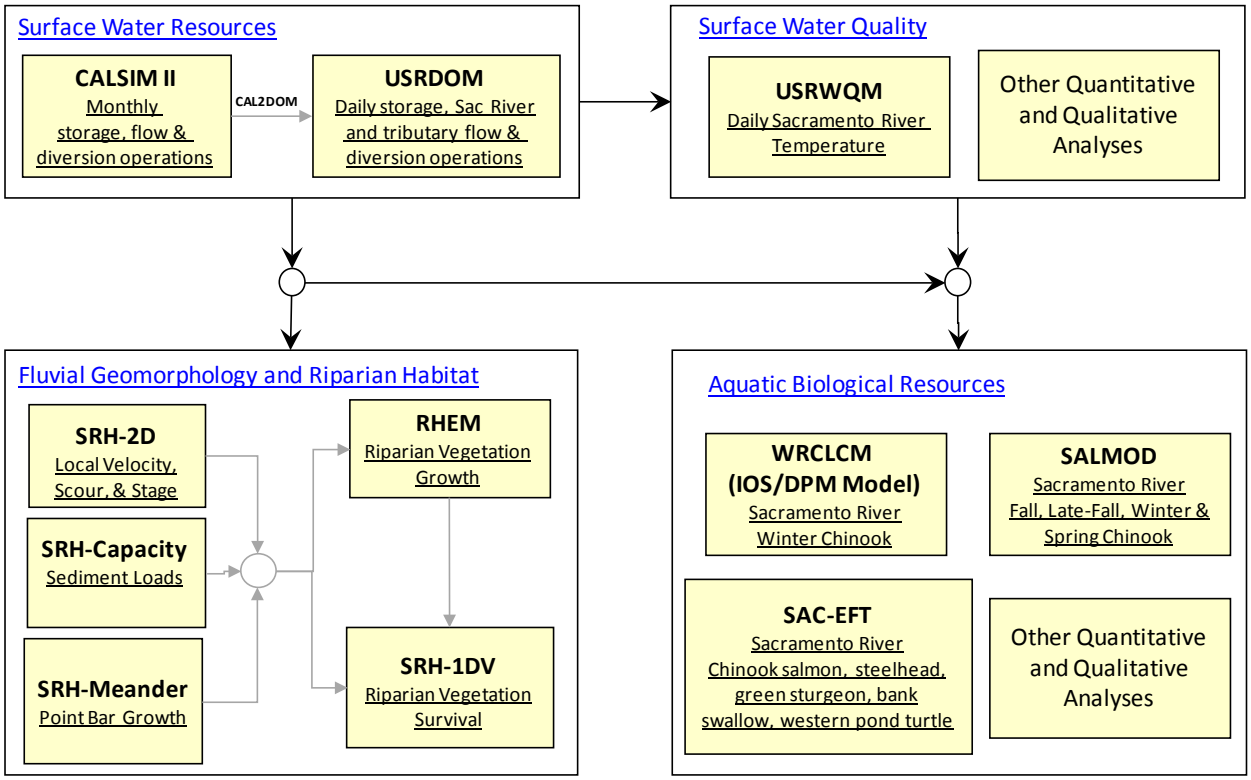

Figure 6B-2 DEIR/EIS Analytical Framework – Local (Local Watershed Impacts)

6B.1.3 State Water Project and Central Valley Project Operations Model (CALSIM II)

As described in the Section 6B.1.2, CALSIM II is the core model in the analytical framework for the impact evaluation of the DEIR/EIS Alternatives. Assumptions used in modeling the alternatives are summarized in Appendix 6A Modeling of Alternatives.

6B.1.3.1 Description

CALSIM II is a generalized reservoir-river basin simulation model that allows for specification and achievement of user-specified allocation targets, or goals (Draper et. al., 2004). The current application to the Central Valley system is called CALSIM II and represents the best available planning model for simulating the SWP and CVP system operations.

CALSIM II covers the valley floor drainage area of the Sacramento and San Joaquin Rivers, the upper Trinity River, and the San Joaquin Valley, Tulare Basin, and southern California areas served by the Federal Central Valley Project (CVP) and the California State Water Project (SWP). The focus of CALSIM II is on the major CVP and SWP facilities, but operations of many other facilities are included to varying degrees.

On a monthly time-step, CALSIM II utilizes optimization techniques to route water through a network of storage nodes and flow arcs based on a series of user-specified relative priorities for water allocation and storage. A linear programming (LP)/mixed integer linear programming (MILP) solver determines an optimal set of decisions for each time period given a set of weights and system constraints. Physical capacities and specific regulatory and contractual requirements are input as linear constraints to the

system operation using the water resources simulation language (WRESL). The model user describes the physical system (dams, reservoirs, channels, pumping plants, etc.), operational rules (flood-control diagrams, minimum flows, delivery requirements, etc.), and priorities for allocating water to different uses in WRESL statements. For each time step, the solver maximizes the objective function to determine a solution that delivers or stores water according to the specified priorities and satisfies all system constraints. The sequence of solved linear programming problems represents the simulation of the system over the period of analysis.

CALSIM II includes an 82-year modified historical hydrology (water years 1922-2003) developed jointly by DWR and USBR. Water diversion requirements (demands), stream accretions and depletions, rim basin inflows, irrigation efficiency, return flows, non-recoverable losses, and groundwater operation are components that make up the hydrology used in CALSIM II. Sacramento Valley and tributary rim basin hydrologies are developed using a process designed to adjust the historical observed sequence of monthly stream flows to represent a sequence of flows at a future level of development. Adjustments to historic water supplies are determined by imposing future level land use on historical meteorological and hydrologic conditions. The resulting hydrology represents the water supply available from Central Valley streams to the system at a future level of development.

An Artificial Neural Network (ANN) has been developed (Sandhu et al. 1999) that attempts to mimic the flow-salinity relationships as simulated in DSM2, but provide a rapid transformation of this information into a form usable by the CALSIM II operations model. The ANN is implemented in CALSIM II to constrain the operations of the upstream reservoirs and the Delta export pumps in order to satisfy particular salinity requirements. A more detailed description of the use of ANNs in the CALSIM II model is provided in Wilbur and Munévar (2001) and more recently in Seneviratne and Wu (2007).

CALSIM II uses rule-based algorithms for determining deliveries to north-of-Delta and south-of-Delta CVP and SWP contractors. This delivery logic uses runoff forecast information, which incorporates uncertainty and standardized rule curves. The rule curves relate storage levels and forecasted water supplies to project delivery capability for the upcoming year. The delivery capability is then translated into SWP and CVP contractor allocations which are satisfied through coordinated reservoir-export operations.

The CALSIM II model is described in detail in Draper et al (2004) and DWR (2002), and has been subject to two peer reviews in the past 8 years (Close et. al 2003 and Lund et. al 2006). More information on the CALSIM model can be found at www.modeling.water.ca.gov.

6B.1.3.2 Objective

The CALSIM II model is the fundamental model upon which all the other models used in the analytical framework rely upon for inputs. The CALSIM II model is used to reconcile all of the constraints associated with CVP and SWP operations throughout the state of California. CALSIM II model allows for an integrated evaluation of the hydrology, fisheries, water quality, and water supply related operational objectives of the system, and specifically of the Sacramento – San Joaquin River Delta estuary. Plans and policies envisioned for this complex water resources system are simulated in CALSIM II. Reconciliation of sometimes conflicting operational rules is the purpose of CALSIM II. Fundamental to the evaluation of the Project is the reconciliation of the various constraints included in the Existing and No Action Alternative Conditions, described in Appendix 6A Modeling of Alternatives.

6B.1.3.3 Assumptions

The detailed modeling assumptions used for the alternatives modeled for the DEIR/EIS are described in Appendix 6A Modeling of Alternatives.

6B.1.3.4 Overview of the Planning Analysis

Typical long-term planning analyses of the Central Valley system and operations of the CVP and SWP have applied the CALSIM II model for analysis of system responses. CALSIM II simulates future SWP/CVP project operations based on an 82-year monthly hydrology derived from the observed 1922-2003 period. Future land use and demands are projected for the appropriate future period. The system configuration consisting of facilities, operations, and regulations are input to the model and define the limits or preferences on operation. The configuration of the Delta, while not simulated directly in CALSIM II, informs the flow-salinity relationships and several flow-related regressions for interior delta conditions (i.e., X2 and OMR) included in the model. For each set of hydrologic, facility, operations, regulations, and delta configuration conditions, the CALSIM II model is simulated. Some refinement of the SWP/CVP operations related to delivery allocations and San Luis target storage levels is generally necessary to have the model reflect suitable north-south reservoir balancing under future conditions.

6B.1.3.5 Analysis of Project Alternatives

CALSIM II was the core model used to simulate the Project operations. In using CALSIM II for simulating Project alternatives, for each DEIR/EIS alternative, description of the physical system for the Project is incorporated in the CALSIM II model. For all the Alternatives, operations were formulated in CALSIM II to simulate the diversion of Sacramento River flow to fill the Project and meet the primary objectives of the project by integrating the operations of the Project with the operations of the existing CVP and SWP reservoirs.

CALSIM II operations used to determine the diversion of the Sacramento River flows to fill the Sites Reservoir were refined based on the daily river flows simulated in the USRDOM. Both the models are simulated iteratively to accurately implement the sub-monthly diversion criteria. This integrated modeling using CALSIM II and USRDOM models is described in detail in Appendix 6C Upper Sacramento River Daily River Flow and Operations Modeling. CALSIM II operations were also refined to achieve the multiple objectives of the Project, based on the feedback from the other models simulating river temperatures, Delta water quality, anadromous fish survival and population, power generation and socioeconomics.

6B.1.3.6 Limitations

CALSIM II is a monthly time-step model. It represents projected conditions under current or future regulatory and operational regimes. The operational decisions in CALSIM II (e.g., determining the flow needed to meet a salinity standard in the Delta) are on a monthly time-step which do not consider operational responses to changes that are on a sub-monthly timescale. Results for an individual parameter are either a monthly average or an end-of-month condition. Some specific concerns regarding CALSIM II model results include the following:

- CALSIM II is intended to be used in a comparative mode. The results from a “With Project” alternative simulation are compared to the results of a “base” simulation, to determine the incremental effects, of a project. The results from a single simulation may not necessarily represent the exact operations for a specific month or year, but should reflect long-term trends. The model should be used

with caution to prescribe seasonal or to guide real-time operations, predict flows or water deliveries for any real-time operations.

- Storage results from CALSIM II reflect end-of-month conditions and not monthly-average conditions. Therefore, any attributes derived from storage results such as littoral area or water surface elevation in the reservoir reflect end-of-month values.
- CALSIM II operates to a monthly approximation of compliance to selected Delta standards. CALSIM II monthly average salinity (ANN-based EC and chloride estimates) and X2 location outputs (ANN-based) are insufficient and inappropriate to verify compliance without use of other diagnostic information internal to the CALSIM II and the ANN models used (note that ANN outputs are lagged by one month). Following are some more details on CALSIM II D1641 compliance limitations:
  - Even though additional standards are identified in SWRCB D-1641, CALSIM II only recognizes five stations for compliance with a salinity standard:
    - Sacramento River at Emmaton
    - San Joaquin River at Jersey Point
    - Old River at Rock Slough
    - Sacramento River at Collinsville
    - Sacramento River at Chipps Island
  - Some standards in SWRCB D-1641 require compliance for a specified number of days in a year (e.g., CCWD 150mg/L Chloride Standard). In such cases CALSIM II does not have any discretion on which days the standards are met, but rather depends on a predetermined schedule, which cannot be altered dynamically.
  - Some of the standards modeled in CALSIM II may not match exactly with the values specified in the SWRCB D-1641. Modeled standards may be more constrained ("ramped") to make operations more responsive to comply with a standard over the season.
  - Under severe operational conditions, CALSIM II may fail to comply with D1641 and other standards. This situation occurs rarely and is needed to maintain feasibility of the model solution.
- Determination of X2 compliance in CALSIM II is a complex analysis that considers each of "three ways to win" (SWRCB D-1641). CALSIM II X2 computations reflect monthly average conditions (note that X2 outputs are lagged by one month).
- Code specifically added for use in the Project has modified the X2-related outputs from CALSIM II. The model is capable of tracking theoretical X2 positions with and without the operation of Sites Reservoir for Delta EEA and WQ purposes. The new X2_PRV_NDS record represents the modified X2 parameter that should be used for impact analysis. To avoid confusion, the X2_PRV and X2_PRV_KM records have been removed from the CALSIM II DSS output databases (note that the X2_PRV_NDS record outputs are lagged by one month).
- San Luis Storage operations in CALSIM II are simplified compared to real time operations. The results are uncertain and prone to reflect how CALSIM II represents CVP and SWP operations. This is due to the relatively coarse SWP/CVP allocation decisions (e.g., no updates after May) used in the model and uncertainty in the model's capability to forecast export capabilities.

- The CALSIM II results have not been improved to consider the full hydraulic conditions associated with the weirs along the Sacramento River that spill flood flows into the Sutter bypass. The USRDOM model should be used for evaluating changes to spills at Ord Ferry, Mouton Weir, Tisdale Weir, and Colusa Weir.

6B.1.4 References

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Wilbur, R., and A. Munévar. 2001. "Chapter 7 – Integration of CALSIM and Artificial Neural Networks Models for Sacramento-San Joaquin Delta Flow-Salinity Relationships". *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh.22nd Annual Progress Report to the State Water Resources Control Board*. Sacramento, California.

6B.2 Results

This section includes the results from the State Water Project and Central Valley Project Operations Model (CALSIM II) used in the detailed evaluation of the alternatives for the DEIR/EIS (see also the attachments to this appendix).

6B.2.1 Introduction

The CALSIM II results included in this appendix are used in:

- Chapter 6 Surface Water Resources,
- Chapter 7 Surface Water Quality
- Chapter 8 Fluvial Geomorphology and Riparian Habitat
- Chapter 9 Flood Control and Management
- Chapter 12 Aquatic Biological Resources
- Chapter 13 Botanical Resources
- Chapter 14 Terrestrial Biological Resources
- Chapter 15 Wetlands and other Waters
- Chapter 21 Recreation Resources

For each parameter and location shown in Table 6B-1, Summary Tables reports are provided. In the Summary Tables reports, for each parameter and location shown below, summary tables of USRDOM results by month are included. The tables include long-term average, and averages by water year type (SWRCB 40-30-30 Index). The tables also include the absolute and relative differences between alternatives.

6B.2.2 Locations and Parameters

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-1.

Table 6B-1
State Water Project and Central Valley Project Operations Model Results for project Operations Locations and Parameters

	Report Title	Time-Step	Parameter
1	Tehama Colusa Canal Intake at Red Bluff	Monthly	Diversion
2	Glenn Colusa Canal Intake at Hamilton City	Monthly	Diversion
3	Delevan Intake and Pipeline	Monthly	Diversion
4	Funks Reservoir to Sites Reservoir	Monthly	Diversion
5	Funks Reservoir to Tehama Colusa and Glenn Colusa Canals	Monthly	Flow
6	Funks Reservoir to Delevan Pipeline	Monthly	Flow
7	Sites Reservoir to Funks Reservoir	Monthly	Flow
8	Delevan Intake and Pipeline (to Local Use)	Monthly	Diversion
9	Sites Reservoir	End of Month	Storage
10	Sites Reservoir	End of Month	Elevation
11	Sites Reservoir	End of Month	Area

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-2.

Table 6B-2
State Water Project and Central Valley Project Operations Model Results For Trinity and Sacramento River Basin Operations Locations and Parameters

	Report Title	Time-Step	Parameter
Trinity River			
1	Trinity Lake	End of Month	Storage
2	Trinity Lake	End of Month	Elevation
3	Trinity Lake	End of Month	Area
4	Trinity River below Lewiston Reservoir	Monthly	Flow
5	Clear Creek Tunnel	Monthly	Flow
Sacramento River			
6	Clear Creek below Whiskeytown Reservoir	Monthly	Flow
7	Shasta Lake	End of Month	Storage
8	Shasta Lake	End of Month	Elevation
9	Shasta Lake	End of Month	Area
10	Sacramento River below Keswick Reservoir	Monthly	Flow
11	Sacramento River at Bend Bridge	Monthly	Flow
12	Sacramento River at Bend Bridge	Monthly	Stage
13	Sacramento River below Red Bluff Diversion Dam	Monthly	Flow
14	Sacramento River below Hamilton City	Monthly	Flow
15	Sacramento River below Hamilton City	Monthly	Stage
16	Sacramento River below Delevan Intake and Pipeline	Monthly	Flow
17	Sacramento River at Moulton Weir	Monthly	Stage
18	Sacramento River at Wilken Slough	Monthly	Flow
19	Sacramento River at Verona	Monthly	Flow
20	Sacramento River at Freeport	Monthly	Flow
Feather River			
21	Lake Oroville	End of Month	Storage
22	Lake Oroville	End of Month	Elevation
23	Lake Oroville	End of Month	Area
24	Feather River at Thermalito Low Flow Channel	Monthly	Flow
25	Feather River below Thermalito	Monthly	Flow
26	Feather River near Gridley	Monthly	Stage
27	Feather River at Shanghai Bend	Monthly	Flow
28	Feather River at Mouth	Monthly	Flow
American River			
29	Folsom Lake	End of Month	Storage
30	Folsom Lake	End of Month	Elevation
31	Folsom Lake	End of Month	Area
32	American River below Nimbus Reservoir	Monthly	Flow

	Report Title	Time-Step	Parameter
33	American River at Fair Oaks	Monthly	Stage
34	American River at Watt Avenue	Monthly	Flow
35	American River at H Street	Monthly	Flow
36	American River at Mouth	Monthly	Flow

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-3.

Table 6B-3
State Water Project and Central Valley Project Operations Model Results For Sacramento-San Joaquin Delta Operations Locations and Parameters

	Report Title	Time-Step	Parameter
1	Sacramento River below Hood	Monthly	Flow
2	Yolo Bypass	Monthly	Flow
3	Sacramento River at Rio Vista	Monthly	Flow
4	Sacramento/San Joaquin River Delta	Monthly	Outflow
5	X2	Monthly	Position
6	Delta Cross Channel	Monthly	Flow
7	Old and Middle River	Monthly	Flow

The locations and the parameters for the results included in this appendix are tabulated below in Table 6B-4.

Table 6B-4
State Water Project and Central Valley Project Operations Model Results For Regional Water Supply Deliveries

	Report Title	Time-Step	Parameter
1	Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP)	Monthly	Diversion
2	Jones Pumping Plant (CVP)	Monthly	Diversion
3	Banks Pumping Plant (SWP and CVP)	Monthly	Diversion
4	Banks Pumping Plant (SWP)	Monthly	Diversion
5	Banks Pumping Plant (CVP)	Monthly	Diversion
6	San Luis Reservoir (SWP and CVP)	End of Month	Storage
7	San Luis Reservoir (SWP and CVP)	End of Month	Elevation
8	San Luis Reservoir (SWP and CVP)	End of Month	Area
9	San Luis Reservoir (CVP)	End of Month	Storage
10	San Luis Reservoir (SWP)	End of Month	Storage

6B.2.3 Comparisons

Summary Tables reports are provided for the following comparisons:

- Alternative A compared to No Action Alternative
- Alternative B compared to No Action Alternative
- Alternative C compared to No Action Alternative
- Alternative D compared to No Action Alternative

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Project Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table OP-01-3a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative A	111	110	702	1,257	1,241	860	285	391	395	455	621	103
Difference	0	103	702	1,257	1,239	847	152	-21	-354	-356	-40	-46
Percent Difference[3]	0.3%						114.9%	-5.2%	-47.3%	-43.9%	-6.1%	-30.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative A	89	119	951	1,368	997	351	205	559	480	710	887	99
Difference	-57	111	951	1,368	997	341	65	-46	-602	-501	-74	-129
Percent Difference	-39.0%						46.3%	-7.6%	-55.6%	-41.4%	-7.7%	-56.5%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative A	241	186	951	1,886	1,579	1,054	506	607	617	556	794	156
Difference	127	183	951	1,886	1,579	1,046	337	22	-435	-566	-81	-45
Percent Difference	111.3%							3.8%	-41.3%	-50.4%	-9.3%	-22.4%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative A	94	80	606	1,528	1,496	1,265	478	372	474	365	513	105
Difference	-10	76	606	1,528	1,495	1,241	331	10	-171	-340	-42	1
Percent Difference	-10.0%							2.8%	-26.5%	-48.2%	-7.6%	0.9%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative A	99	119	383	949	1,427	1,257	269	244	277	295	394	100
Difference	4	113	383	949	1,422	1,247	142	-8	-216	-180	7	7
Percent Difference	3.9%						112.1%	-3.1%	-43.8%	-38.0%	1.7%	8.1%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative A	65	35	501	530	854	700	34	56	70	148	336	64
Difference	6	23	501	530	847	686	-37	-69	-158	-114	5	-2
Percent Difference	10.0%						-51.7%	-55.1%	-69.4%	-43.6%	1.4%	-3.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-3b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

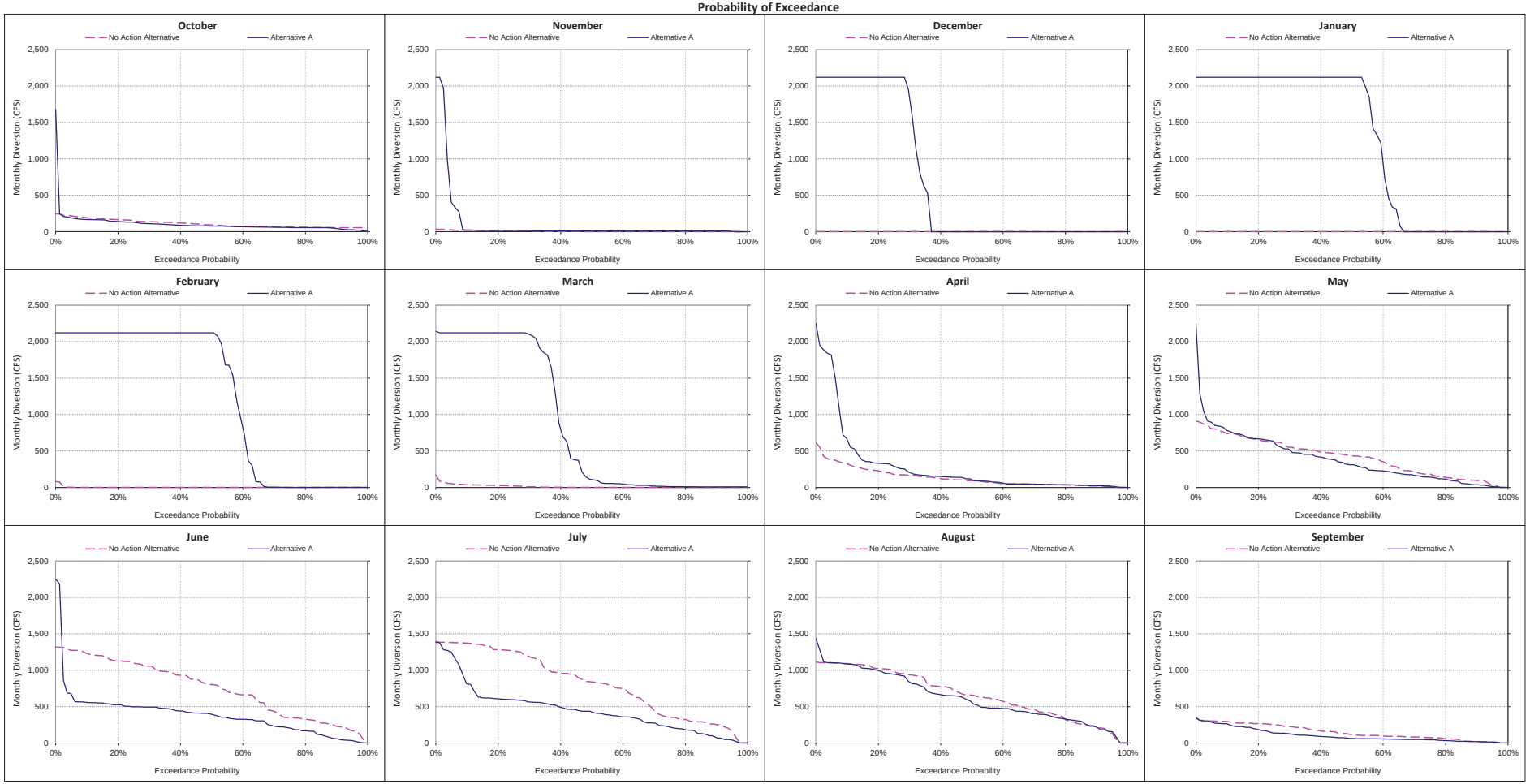

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	1,675	1,431	586.7%
1.2%	243	243	0	0.0%
2.5%	225	209	-16	-7.1%
3.7%	220	203	-18	-8.0%
4.9%	218	190	-28	-12.8%
6.2%	208	179	-28	-13.6%
7.4%	207	174	-33	-15.7%
8.6%	202	171	-31	-15.4%
9.9%	192	167	-24	-12.8%
11.1%	187	167	-20	-10.7%
12.3%	185	166	-19	-10.4%
13.6%	184	163	-21	-11.6%
14.8%	176	161	-14	-8.1%
16.0%	174	159	-15	-8.4%
17.3%	172	146	-26	-14.9%
18.5%	169	143	-26	-15.5%
19.8%	165	137	-28	-16.9%
21.0%	163	137	-26	-16.2%
22.2%	161	134	-27	-16.8%
23.5%	159	132	-27	-17.1%
24.7%	154	130	-25	-16.0%
25.9%	144	122	-22	-15.5%
27.2%	140	118	-23	-16.1%
28.4%	138	112	-26	-18.7%
29.6%	136	112	-24	-17.9%
30.9%	136	107	-29	-21.0%
32.1%	134	106	-29	-21.2%
33.3%	130	104	-26	-19.7%
34.6%	129	102	-28	-21.3%
35.8%	129	96	-32	-25.3%
37.0%	126	94	-32	-25.6%
38.3%	124	90	-34	-27.6%
39.5%	122	89	-33	-26.8%
40.7%	117	87	-31	-26.2%
42.0%	114	84	-30	-26.4%
43.2%	111	79	-32	-28.4%
44.4%	108	79	-28	-26.3%
45.7%	104	79	-25	-23.9%
46.9%	97	79	-18	-18.3%
48.1%	94	79	-16	-16.5%
49.4%	94	78	-16	-16.7%
50.6%	91	77	-14	-15.6%
51.9%	88	76	-12	-13.6%
53.1%	86	75	-11	-12.5%
54.3%	79	73	-6	-7.6%
55.6%	78	73	-5	-6.9%
56.8%	76	72	-4	-5.2%
58.0%	75	71	-4	-5.0%
59.3%	75	67	-8	-10.2%
60.5%	74	67	-8	-10.5%
61.7%	74	66	-8	-11.1%
63.0%	74	64	-10	-12.9%
64.2%	72	63	-9	-11.9%
65.4%	71	63	-9	-12.1%
66.7%	71	62	-9	-13.2%
67.9%	69	61	-7	-10.8%
69.1%	67	61	-5	-8.0%
70.4%	65	61	-4	-6.3%
71.6%	64	59	-4	-7.0%
72.8%	63	59	-4	-6.6%
74.1%	63	57	-6	-9.2%
75.3%	62	57	-6	-8.8%
76.5%	62	57	-5	-8.4%
77.8%	62	56	-6	-9.3%
79.0%	61	56	-5	-7.7%
80.2%	59	56	-4	-6.1%
81.5%	59	55	-4	-6.0%
82.7%	57	54	-3	-5.6%
84.0%	57	54	-3	-5.3%
85.2%	56	54	-2	-4.0%
86.4%	56	54	-2	-3.7%
87.7%	56	54	-2	-3.5%
88.9%	56	47	-9	-15.6%
90.1%	55	43	-12	-22.7%
91.4%	54	34	-20	-37.5%
92.6%	54	31	-23	-43.0%
93.8%	54	28	-26	-47.6%
95.1%	54	26	-28	-52.0%
96.3%	54	20	-34	-63.4%
97.5%	54	20	-35	-63.7%
98.8%	54	8	-46	-84.9%
100.0%	0	3	3	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33	2,121	2,088	
1.2%	32	2,121	2,089	
2.5%	31	1,973	1,942	
3.7%	26	987	961	
4.9%	25	404	379	
6.2%	19	332	313	
7.4%	18	272	254	
8.6%	18	26	8	45.7%
9.9%	18	24	7	38.4%
11.1%	17	23	6	33.9%
12.3%	17	18	1	4.7%
13.6%	17	18	1	5.6%
14.8%	17	18	1	5.4%
16.0%	17	18	1	3.8%
17.3%	17	17	0	2.4%
18.5%	17	17	0	1.5%
19.8%	17	17	0	0.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	17	0	-0.1%
25.9%	17	17	0	-0.1%
27.2%	17	16	-1	-7.6%
28.4%	17	15	-2	-9.2%
29.6%	17	12	-5	-26.8%
30.9%	9	12	4	43.7%
32.1%	7	12	5	77.7%
33.3%	7	12	6	84.0%
34.6%	4	12	8	217.0%
35.8%	4	11	8	215.2%
37.0%	3	11	8	235.4%
38.3%	3	11	8	283.4%
39.5%	3	10	8	310.7%
40.7%	2	10	8	334.1%
42.0%	2	10	8	396.8%
43.2%	2	9	7	360.1%
44.4%	1	9	7	512.6%
45.7%	1	8	7	615.7%
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	1,952	1,952	
30.9%	0	1,573	1,573	
32.1%	0	1,138	1,138	
33.3%	0	810	810	
34.6%	0	633	633	
35.8%	0	531	531	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	1,985	1,985	
55.6%	0	1,850	1,850	
56.8%	0	1,414	1,414	
58.0%	0	1,328	1,328	
59.3%	0	1,223	1,223	
60.5%	0	734	734	
61.7%	0	457	457	
63.0%	0	336	336	
64.2%	0	313	313	
65.4%	0	78	78	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,079	2,079	
53.1%	0	1,973	1,973	
54.3%	0	1,682	1,682	
55.6%	0	1,675	1,675	
56.8%	0	1,539	1,539	
58.0%	0	1,191	1,191	
59.3%	0	955	955	
60.5%	0	713	713	
61.7%	0	364	364	
63.0%	0	303	303	
64.2%	0	79	79	
65.4%	0	75	75	
66.7%	0	13	13	
67.9%	0	3	3	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,145	1,973	
1.2%	85	2,123	2,039	
2.5%	76	2,123	2,046	
3.7%	56	2,122	2,066	
4.9%	52	2,122	2,069	
6.2%	44	2,122	2,078	
7.4%	42	2,121	2,079	
8.6%	41	2,121	2,080	
9.9%	35	2,121	2,086	
11.1%	35	2,121	2,086	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,106	2,098	
30.9%	8	2,081	2,073	
32.1%	7	2,044	2,037	
33.3%	4	1,906	1,902	
34.6%	3	1,851	1,848	
35.8%	3	1,813	1,810	
37.0%	2	1,643	1,642	
38.3%	2	1,309	1,307	
39.5%	1	874	873	
40.7%	1	695	694	
42.0%	1	628	627	
43.2%	1	396	395	
44.4%	1	380	379	
45.7%	1	372	371	
46.9%	0	206	205	
48.1%	0	142	142	
49.4%	0	109	109	
50.6%	0	105	105	
51.9%	0	94	94	
53.1%	0	61	61	
54.3%	0	54	54	
55.6%	0	54	54	
56.8%	0	52	52	
58.0%	0	52	52	
59.3%	0	51	51	
60.5%	0	42	42	
61.7%	0	35	35	
63.0%	0	35	35	
64.2%	0	30	30	
65.4%	0	30	30	
66.7%	0	29	29	
67.9%	0	29	29	
69.1%	0	18	18	
70.4%	0	17	17	
71.6%	0	15	15	
72.8%	0	15	15	
74.1%	0	11	11	
75.3%	0	10	10	
76.5%	0	9	9	
77.8%	0	9	9	
79.0%	0	9	9	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,947	1,396	253.5%
2.5%	428	1,885	1,457	340.6%
3.7%	393	1,840	1,447	368.5%
4.9%	376	1,818	1,442	383.6%
6.2%	374	1,512	1,138	304.6%
7.4%	351	1,103	753	214.5%
8.6%	335	721	386	115.5%
9.9%	328	666	338	103.2%
11.1%	303	551	248	81.9%
12.3%	280	530	249	88.9%
13.6%	274	441	167	60.9%
14.8%	260	374	114	43.8%
16.0%	246	355	109	44.2%
17.3%	242	353	110	45.4%
18.5%	236	335	98	41.6%
19.8%	230	334	104	45.1%
21.0%	218	329	111	51.1%
22.2%	201	325	124	61.7%
23.5%	200	322	122	61.1%
24.7%	181	297	117	64.5%
25.9%	174	274	100	57.6%
27.2%	172	257	84	49.1%
28.4%	172	254	82	47.8%
29.6%	169	211	42	24.9%
30.9%	167	189	23	13.5%
32.1%	158	176	18	11.5%
33.3%	150	172	22	14.7%
34.6%	147	164	16	11.0%
35.8%	141	161	20	14.0%
37.0%	141	154	13	9.4%
38.3%	131	152	21	16.3%
39.5%	127	149	22	17.6%
40.7%	115	148	33	28.8%
42.0%	114	145	30	26.4%
43.2%	110	142	32	29.0%
44.4%	103	141	38	36.6%
45.7%	103	138	35	33.8%
46.9%	102	137	35	34.2%
48.1%	93	118	25	27.1%
49.4%	93	117	24	25.4%
50.6%	93	93	0	0.2%
51.9%	85	89	4	4.8%
53.1%	85	87	2	2.3%
54.3%	74	87	13	17.4%
55.6%	71	82	11	15.4%
56.8%	70	73	3	3.8%
58.0%	59	71	11	19.4%
59.3%	54	65	11	20.2%
60.5%	48	54	6	13.3%
61.7%	47	48	0	0.5%
63.0%	47	47	0	0.3%
64.2%	47	46	-1	-2.2%
65.4%	46	46	0	-0.3%
66.7%	46	45	-1	-1.3%
67.9%	45	45	0	0.9%
69.1%	43	45	2	3.6%
70.4%	40	42	2	4.7%
71.6%	40	41	2	3.9%
72.8%	40	41	2	4.4%
74.1%	37	40	3	7.2%
75.3%	37	40	3	7.1%
76.5%	36	38	1	3.1%
77.8%	36	37	2	4.2%
79.0%	35	37	2	5.9%
80.2%	33	36	3	10.1%
81.5%	32	36	4	13.4%
82.7%	29	32	3	8.8%
84.0%	29	31	2	7.3%
85.2%	29	29	0	1.3%
86.4%	24	29	4	17.2%
87.7%	23	23	0	0.0%
88.9%	23	23	0	1.0%
90.1%	22	22	0	0.0%
91.4%	21	21	0	0.0%
92.6%	16	20	5	28.9%
93.8%	15	17	2	15.7%
95.1%	14	16	2	16.1%
96.3%	0	8	8	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	1,288	394	44.1%
2.5%	868	1,040	172	19.8%
3.7%	848	911	62	7.4%
4.9%	805	894	89	11.1%
6.2%	803	848	45	5.7%
7.4%	780	842	63	8.1%
8.6%	763	826	63	8.3%
9.9%	741	780	39	5.2%
11.1%	739	763	24	3.2%
12.3%	736	741	5	0.7%
13.6%	722	736	13	1.8%
14.8%	697	722	26	3.7%
16.0%	681	695	15	2.2%
17.3%	675	675	0	0.0%
18.5%	665	670	5	0.8%
19.8%	652	666	14	2.2%
21.0%	642	665	22	3.5%
22.2%	635	652	17	2.6%
23.5%	627	647	19	3.1%
24.7%	626	635	9	1.4%
25.9%	621	575	-47	-7.5%
27.2%	617	552	-65	-10.5%
28.4%	575	529	-46	-8.0%
29.6%	552	529	-23	-4.2%
30.9%	550	477	-73	-13.3%
32.1%	529	475	-53	-10.1%
33.3%	529	472	-57	-10.8%
34.6%	528	454	-74	-13.9%
35.8%	522	453	-69	-13.3%
37.0%	519	452	-68	-13.1%
38.3%	508	429	-79	-15.5%
39.5%	488	416	-72	-14.8%
40.7%	477	409	-68	-14.3%
42.0%	475	391	-84	-17.7%
43.2%	472	385	-87	-18.5%
44.4%	464	377	-87	-18.8%
45.7%	461	351	-110	-23.9%
46.9%	454	341	-113	-25.0%
48.1%	445	318	-127	-28.6%
49.4%	436	312	-123	-28.3%
50.6%	431	311	-120	-27.8%
51.9%	428	294	-134	-31.4%
53.1%	420	273	-147	-35.0%
54.3%	418	270	-148	-35.5%
55.6%	416	235	-181	-43.5%
56.8%	397	235	-161	-40.7%
58.0%	391	228	-164	-41.9%
59.3%	362	226	-135	-37.4%
60.5%	341	226	-115	-33.7%
61.7%	309	214	-95	-30.6%
63.0%	290	209	-81	-27.9%
64.2%	284	196	-87	-30.8%
65.4%	252	190	-62	-24.6%
66.7%	231	180	-50	-21.9%
67.9%	229	175	-53	-23.3%
69.1%	224	173	-51	-22.7%
70.4%	207	161	-47	-22.4%
71.6%	194	158	-36	-18.7%
72.8%	184	144	-40	-21.6%
74.1%	180	142	-39	-21.4%
75.3%	180	138	-42	-23.5%
76.5%	156	133	-23	-14.6%
77.8%	151	119	-32	-21.4%
79.0%	148	117	-31	-21.1%
80.2%	135	111	-23	-17.3%
81.5%	132	95	-37	-27.8%
82.7%	118	88	-29	-25.0%
84.0%	113	86	-27	-23.7%
85.2%	108	55	-52	-48.8%
86.4%	103	51	-51	-49.8%
87.7%	100	43	-57	-57.0%
88.9%	99	35	-64	-64.4%
90.1%	95	35	-60	-63.2%
91.4%	95	31	-64	-67.6%
92.6%	88	29	-58	-66.5%
93.8%	56	20	-36	-64.8%
95.1%	22	10	-11	-53.3%
96.3%	20	7	-13	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-3b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,184	869	66.1%
2.5%	1,311	861	-451	-34.4%
3.7%	1,290	687	-603	-46.8%
4.9%	1,274	680	-595	-46.7%
6.2%	1,272	569	-703	-55.3%
7.4%	1,272	566	-706	-55.5%
8.6%	1,257	565	-692	-55.0%
9.9%	1,230	559	-671	-54.6%
11.1%	1,218	555	-663	-54.4%
12.3%	1,205	554	-652	-54.1%
13.6%	1,202	551	-651	-54.1%
14.8%	1,200	550	-650	-54.2%
16.0%	1,182	540	-643	-54.4%
17.3%	1,148	536	-613	-53.4%
18.5%	1,134	527	-607	-53.5%
19.8%	1,127	525	-601	-53.4%
21.0%	1,127	524	-602	-53.5%
22.2%	1,121	506	-615	-54.9%
23.5%	1,121	503	-618	-55.1%
24.7%	1,100	499	-601	-54.6%
25.9%	1,089	496	-592	-54.4%
27.2%	1,084	496	-588	-54.3%
28.4%	1,060	495	-565	-53.3%
29.6%	1,057	494	-563	-53.2%
30.9%	1,055	494	-561	-53.2%
32.1%	1,006	493	-513	-51.0%
33.3%	989	479	-510	-51.6%
34.6%	983	478	-506	-51.4%
35.8%	979	472	-507	-51.8%
37.0%	975	464	-511	-52.4%
38.3%	938	449	-489	-52.2%
39.5%	932	441	-491	-52.7%
40.7%	931	440	-491	-52.8%
42.0%	926	422	-504	-54.4%
43.2%	877	420	-458	-52.2%
44.4%	874	411	-462	-52.9%
45.7%	869	411	-458	-52.7%
46.9%	833	408	-425	-51.0%
48.1%	815	408	-407	-50.0%
49.4%	803	400	-403	-50.2%
50.6%	801	385	-416	-51.9%
51.9%	791	371	-420	-53.1%
53.1%	747	356	-391	-52.3%
54.3%	731	355	-376	-51.5%
55.6%	693	339	-354	-51.1%
56.8%	692	333	-360	-51.9%
58.0%	673	328	-345	-51.3%
59.3%	663	326	-338	-50.9%
60.5%	663	325	-337	-50.9%
61.7%	662	323	-339	-51.3%
63.0%	661	321	-340	-51.4%
64.2%	599	306	-293	-49.0%
65.4%	556	306	-251	-45.0%
66.7%	553	305	-248	-44.8%
67.9%	453	253	-200	-44.2%
69.1%	446	241	-205	-46.0%
70.4%	430	230	-199	-46.4%
71.6%	399	223	-176	-44.0%
72.8%	355	221	-134	-37.7%
74.1%	350	211	-139	-39.7%
75.3%	346	204	-142	-41.0%
76.5%	345	184	-161	-46.6%
77.8%	343	184	-159	-46.4%
79.0%	331	168	-163	-49.2%
80.2%	326	168	-158	-48.6%
81.5%	319	163	-156	-48.8%
82.7%	312	161	-151	-48.5%
84.0%	299	117	-183	-61.1%
85.2%	274	113	-161	-58.8%
86.4%	273	94	-178	-65.4%
87.7%	261	80	-181	-69.2%
88.9%	247	64	-183	-74.2%
90.1%	228	58	-170	-74.6%
91.4%	221	45	-176	-79.6%
92.6%	219	39	-180	-82.1%
93.8%	188	38	-150	-79.8%
95.1%	167	34	-133	-79.7%
96.3%	161	19	-142	-88.3%
97.5%	114	9	-105	-91.8%
98.8%	34	0	-34	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	1,380	-17	-1.2%
1.2%	1,384	1,379	-5	-0.4%
2.5%	1,383	1,283	-100	-7.2%
3.7%	1,382	1,273	-109	-7.9%
4.9%	1,380	1,249	-131	-9.5%
6.2%	1,379	1,158	-221	-16.0%
7.4%	1,378	1,073	-305	-22.1%
8.6%	1,375	944	-432	-31.4%
9.9%	1,373	815	-558	-40.6%
11.1%	1,367	804	-563	-41.2%
12.3%	1,361	707	-654	-48.1%
13.6%	1,356	633	-723	-53.3%
14.8%	1,350	622	-728	-53.9%
16.0%	1,331	619	-712	-53.5%
17.3%	1,330	618	-712	-53.5%
18.5%	1,283	612	-671	-52.3%
19.8%	1,282	609	-673	-52.5%
21.0%	1,278	605	-673	-52.7%
22.2%	1,278	599	-679	-53.1%
23.5%	1,273	597	-676	-53.1%
24.7%	1,265	594	-672	-53.1%
25.9%	1,259	592	-667	-53.0%
27.2%	1,249	586	-663	-53.1%
28.4%	1,210	582	-627	-51.9%
29.6%	1,193	564	-629	-52.7%
30.9%	1,174	562	-611	-52.1%
32.1%	1,158	558	-600	-51.8%
33.3%	1,150	557	-594	-51.6%
34.6%	1,043	548	-495	-47.5%
35.8%	1,012	536	-476	-47.0%
37.0%	976	527	-449	-46.0%
38.3%	973	522	-451	-46.3%
39.5%	968	499	-469	-48.5%
40.7%	956	482	-474	-49.6%
42.0%	955	467	-488	-51.1%
43.2%	945	463	-482	-51.0%
44.4%	940	460	-479	-51.0%
45.7%	897	446	-451	-50.2%
46.9%	875	438	-437	-50.0%
48.1%	844	437	-407	-48.2%
49.4%	843	436	-407	-48.3%
50.6%	836	416	-420	-50.3%
51.9%	831	406	-425	-51.1%
53.1%	822	405	-417	-50.7%
54.3%	815	390	-424	-52.1%
55.6%	796	387	-409	-51.3%
56.8%	776	374	-402	-51.8%
58.0%	756	371	-385	-50.9%
59.3%	752	360	-392	-52.1%
60.5%	749	360	-390	-52.0%
61.7%	688	359	-328	-47.7%
63.0%	666	351	-314	-47.2%
64.2%	627	340	-287	-45.8%
65.4%	618	326	-292	-47.3%
66.7%	569	290	-279	-49.0%
67.9%	534	276	-258	-48.3%
69.1%	492	276	-216	-43.9%
70.4%	422	274	-148	-35.1%
71.6%	395	239	-156	-39.6%
72.8%	372	236	-136	-36.5%
74.1%	360	229	-130	-36.2%
75.3%	353	216	-138	-39.0%
76.5%	353	204	-149	-42.2%
77.8%	333	199	-134	-40.2%
79.0%	324	192	-132	-40.6%
80.2%	323	181	-142	-43.9%
81.5%	299	177	-122	-40.7%
82.7%	299	172	-126	-42.4%
84.0%	291	129	-161	-55.5%
85.2%	290	129	-161	-55.6%
86.4%	285	119	-165	-58.1%
87.7%	261	100	-162	-61.8%
88.9%	260	99	-162	-62.1%
90.1%	252	70	-181	-72.0%
91.4%	249	65	-183	-73.7%
92.6%	222	48	-174	-78.4%
93.8%	201	47	-153	-76.4%
95.1%	158	42	-116	-73.4%
96.3%	69	20	-49	-70.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	1,435	321	28.8%
1.2%	1,103	1,279	176	15.9%
2.5%	1,103	1,114	11	1.0%
3.7%	1,102	1,103	2	0.2%
4.9%	1,101	1,103	2	0.2%
6.2%	1,100	1,102	1	0.1%
7.4%	1,100	1,101	1	0.1%
8.6%	1,092	1,091	0	0.0%
9.9%	1,091	1,086	-5	-0.4%
11.1%	1,086	1,083	-4	-0.3%
12.3%	1,083	1,080	-3	-0.3%
13.6%	1,080	1,062	-18	-1.7%
14.8%	1,078	1,028	-50	-4.7%
16.0%	1,064	1,024	-39	-3.7%
17.3%	1,062	1,021	-41	-3.9%
18.5%	1,028	1,012	-17	-1.6%
19.8%	1,024	1,000	-24	-2.3%
21.0%	1,021	983	-38	-3.7%
22.2%	1,017	958	-59	-5.8%
23.5%	1,012	954	-58	-5.7%
24.7%	1,000	946	-54	-5.4%
25.9%	963	938	-25	-2.6%
27.2%	954	929	-24	-2.5%
28.4%	953	918	-35	-3.6%
29.6%	937	847	-91	-9.7%
30.9%	935	813	-122	-13.0%
32.1%	923	810	-113	-12.2%
33.3%	918	791	-127	-13.8%
34.6%	904	769	-135	-14.9%
35.8%	805	707	-97	-12.1%
37.0%	788	685	-103	-13.1%
38.3%	782	674	-109	-13.9%
39.5%	779	667	-112	-14.4%
40.7%	776	659	-117	-15.1%
42.0%	768	652	-115	-15.0%
43.2%	754	650	-104	-13.7%
44.4%	713	646	-67	-9.5%
45.7%	698	642	-56	-8.0%
46.9%	672	629	-43	-6.5%
48.1%	660	602	-58	-8.8%
49.4%	659	578	-80	-12.2%
50.6%	654	532	-123	-18.8%
51.9%	635	518	-118	-18.5%
53.1%	635	490	-145	-22.9%
54.3%	622	489	-133	-21.3%
55.6%	619	480	-139	-22.4%
56.8%	603	479	-124	-20.6%
58.0%	599	479	-121	-20.1%
59.3%	581	474	-107	-18.4%
60.5%	567	474	-93	-16.4%
61.7%	548	471	-77	-14.1%
63.0%	523	453	-70	-13.3%
64.2%	522	438	-83	-16.0%
65.4%	494	435	-59	-11.9%
66.7%	494	434	-60	-12.0%
67.9%	467	426	-41	-8.7%
69.1%	467	405	-62	-13.2%
70.4%	455	403	-51	-11.3%
71.6%	426	394	-32	-7.5%
72.8%	424	393	-30	-7.2%
74.1%	423	386	-37	-8.8%
75.3%	412	368	-44	-10.7%
76.5%	390	356	-33	-8.6%
77.8%	386	342	-44	-11.3%
79.0%	362	338	-24	-6.6%
80.2%	316	327	11	3.6%
81.5%	298	320	23	7.6%
82.7%	287	313	26	9.0%
84.0%	266	304	39	14.5%
85.2%	258	298	40	15.5%
86.4%	257	258	2	0.6%
87.7%	232	237	5	2.1%
88.9%	230	236	6	2.7%
90.1%	209	214	5	2.4%
91.4%	208	183	-25	-11.8%
92.6%	198	183	-15	-7.8%
93.8%	156	159	3	1.8%
95.1%	126	153	27	21.3%
96.3%	51	78	27	53.6%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	343	-8	-2.4%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	287	-17	-5.6%
6.2%	301	273	-28	-9.2%
7.4%	299	268	-31	-10.4%
8.6%	298	266	-32	-10.8%
9.9%	296	264	-33	-11.0%
11.1%	288	243	-45	-15.8%
12.3%	280	230	-50	-17.9%
13.6%	275	227	-48	-17.3%
14.8%	275	227	-48	-17.4%
16.0%	273	216	-57	-20.9%
17.3%	273	214	-59	-21.5%
18.5%	267	196	-71	-26.5%
19.8%	266	188	-78	-29.4%
21.0%	265	173	-92	-34.8%
22.2%	264	169	-95	-35.9%
23.5%	260	156	-104	-40.0%
24.7%	251	136	-115	-45.7%
25.9%	248	136	-112	-45.3%
27.2%	243	135	-108	-44.6%
28.4%	228	134	-94	-41.4%
29.6%	225	131	-94	-41.8%
30.9%	225	118	-107	-47.6%
32.1%	214	111	-103	-48.2%
33.3%	212	109	-104	-48.8%
34.6%	212	108	-104	-49.1%
35.8%	196	105	-91	-46.4%
37.0%	181	100	-81	-44.7%
38.3%	180	98	-82	-45.4%
39.5%	172	91	-81	-47.2%
40.7%	160	89	-72	-44.8%
42.0%	160	88	-72	-45.2%
43.2%	158	83	-75	-47.2%
44.4%	155	75	-80	-51.7%
45.7%	135	73	-61	-45.7%
46.9%	131	73	-59	-44.6%
48.1%	130	69	-62	-47.3%
49.4%	117	62	-55	-46.8%
50.6%	111	62	-49	-43.9%
51.9%	108	59	-48	-44.8%
53.1%	104	58	-46	-44.2%
54.3%	104	58	-46	-44.4%
55.6%	104	57	-46	-44.7%
56.8%	104	57	-46	-44.8%
58.0%	104	57	-47	-45.2%
59.3%	97	55	-42	-42.9%
60.5%	96	55	-40	-42.3%
61.7%	92	53	-39	-41.9%
63.0%	91	51	-40	-43.9%
64.2%	91	51	-40	-43.7%
65.4%	91	51	-40	-44.4%
66.7%	88	50	-38	-42.9%
67.9%	83	48	-35	-41.7%
69.1%	82	48	-34	-41.5%
70.4%	82	48	-34	-41.5%
71.6%	82	48	-34	-41.5%
72.8%	79	47	-32	-40.7%
74.1%	76	46	-30	-39.7%
75.3%	73	44	-30	-40.3%
76.5%	72	43	-29	-40.5%
77.8%	71	36	-36	-49.8%
79.0%	63	34	-30	-47.1%
80.2%	57	33	-24	-42.6%
81.5%	56	29	-26	-47.0%
82.7%	54	25	-28	-52.6%
84.0%	51	23	-27	-53.5%
85.2%	32	22	-9	-28.9%
86.4%	23	22	-1	-3.7%
87.7%	22	20	-2	-8.5%
88.9%	21	19	-2	-11.5%
90.1%	20	18	-2	-8.7%
91.4%	18	18	0	0.3%
92.6%	16	16	-1	-5.7%
93.8%	16	13	-2	-14.3%
95.1%	15	13	-1	-8.9%
96.3%	12	9	-3	-25.8%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-3a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative A	714	433	571	237	274	456	2,197	1,996	2,067	1,768	1,963	487
Difference	-40	-12	361	154	206	416	7	-89	-836	-1,030	-103	-61
Percent Difference[3]	-5.3%	-2.8%					0.3%	-4.3%	-28.8%	-36.8%	-5.0%	-11.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative A	641	373	648	250	237	175	2,071	2,169	2,545	1,972	2,173	460
Difference	-152	-88	420	169	170	144	49	46	-424	-898	34	-116
Percent Difference	-19.2%	-19.0%					2.4%	2.2%	-14.3%	-31.3%	1.6%	-20.2%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative A	875	516	762	326	350	633	2,401	2,269	1,964	1,642	2,018	479
Difference	96	64	556	253	286	607	241	191	-1,019	-1,246	-128	-94
Percent Difference	12.3%	14.1%					11.2%	9.2%	-34.2%	-43.1%	-6.0%	-16.3%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative A	685	429	612	281	315	663	2,651	2,196	2,106	1,550	1,827	496
Difference	-95	-33	416	191	247	618	349	17	-846	-1,336	-332	-68
Percent Difference	-12.1%	-7.1%					15.2%	0.8%	-28.7%	-46.3%	-15.4%	-12.0%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative A	778	483	463	179	303	679	2,337	1,849	1,755	1,804	1,932	547
Difference	-5	56	240	92	234	636	21	-296	-1,203	-1,037	-177	5
Percent Difference	-0.7%	13.1%	107.5%				0.9%	-13.8%	-40.7%	-36.5%	-8.4%	0.9%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative A	647	409	329	160	183	311	1,524	1,338	1,555	1,650	1,660	456
Difference	81	-4	159	71	115	247	-741	-473	-986	-734	3	0
Percent Difference	14.2%	-1.0%	93.3%				-32.7%	-26.1%	-38.8%	-30.8%	0.2%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-3b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

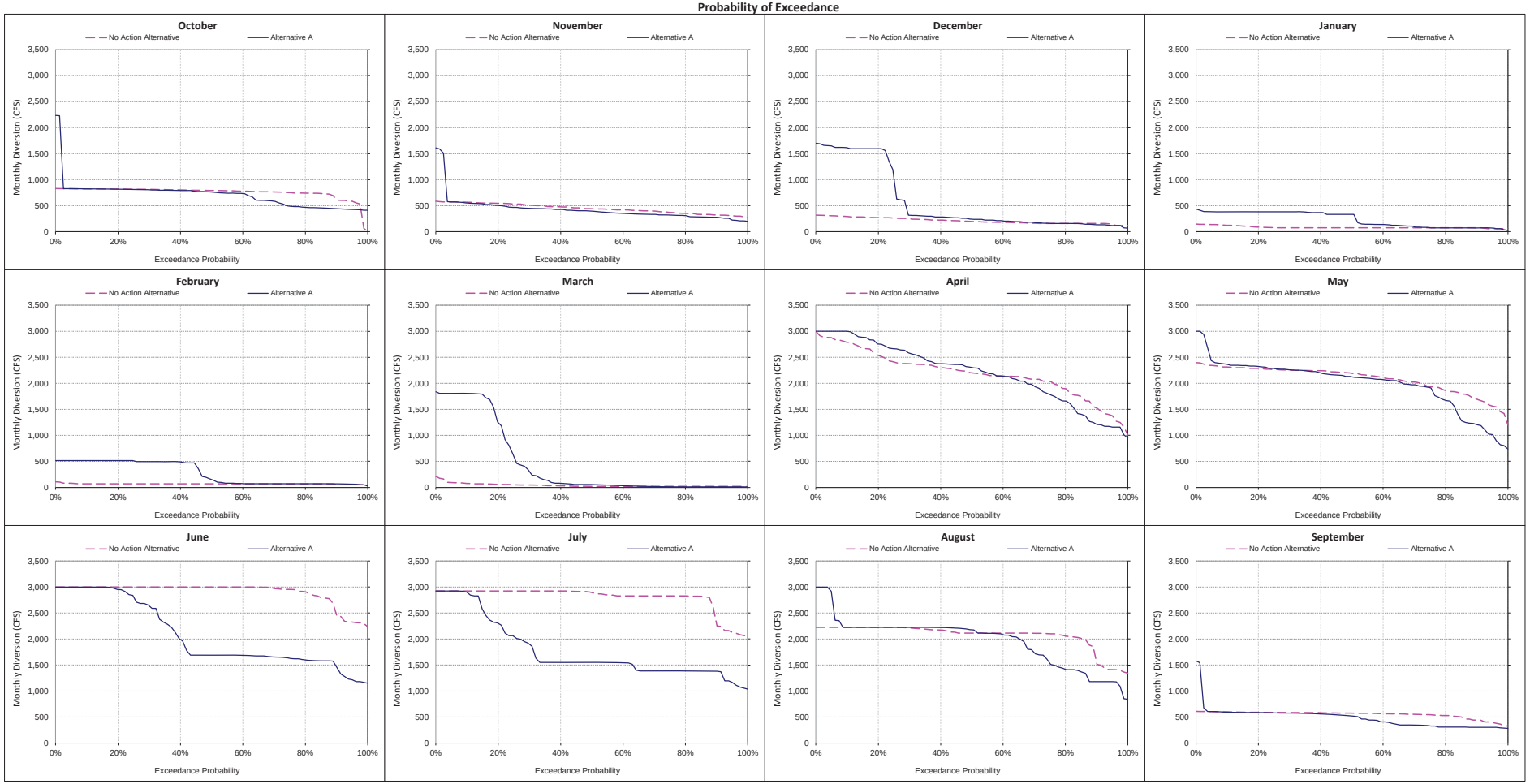

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	828	1	0.2%
3.7%	825	826	1	0.1%
4.9%	825	825	0	0.0%
6.2%	823	825	2	0.2%
7.4%	823	823	0	0.0%
8.6%	823	822	-1	-0.1%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	821	0	0.0%
13.6%	821	821	-1	-0.1%
14.8%	821	820	-1	-0.2%
16.0%	821	819	-2	-0.2%
17.3%	820	819	-1	-0.1%
18.5%	819	818	-1	-0.2%
19.8%	819	815	-4	-0.5%
21.0%	819	815	-4	-0.5%
22.2%	818	814	-3	-0.4%
23.5%	816	813	-3	-0.4%
24.7%	816	812	-4	-0.5%
25.9%	815	811	-4	-0.5%
27.2%	815	809	-5	-0.6%
28.4%	814	807	-7	-0.9%
29.6%	813	805	-8	-0.9%
30.9%	812	803	-9	-1.2%
32.1%	811	802	-9	-1.1%
33.3%	809	796	-13	-1.6%
34.6%	809	796	-13	-1.6%
35.8%	807	795	-13	-1.6%
37.0%	806	794	-12	-1.4%
38.3%	805	793	-12	-1.5%
39.5%	803	792	-11	-1.4%
40.7%	802	791	-10	-1.3%
42.0%	799	791	-8	-1.0%
43.2%	796	790	-6	-0.8%
44.4%	796	779	-17	-2.1%
45.7%	795	773	-22	-2.7%
46.9%	794	772	-23	-2.8%
48.1%	793	767	-26	-3.3%
49.4%	792	765	-27	-3.4%
50.6%	791	760	-31	-3.9%
51.9%	791	754	-37	-4.7%
53.1%	790	743	-47	-6.0%
54.3%	787	742	-45	-5.8%
55.6%	787	741	-46	-5.8%
56.8%	787	741	-46	-5.8%
58.0%	781	739	-42	-5.4%
59.3%	779	738	-41	-5.3%
60.5%	778	734	-44	-5.7%
61.7%	777	693	-84	-10.8%
63.0%	773	672	-101	-13.1%
64.2%	772	607	-164	-21.3%
65.4%	768	602	-166	-21.6%
66.7%	767	601	-166	-21.6%
67.9%	767	596	-171	-22.3%
69.1%	765	593	-172	-22.5%
70.4%	764	584	-180	-23.5%
71.6%	761	553	-208	-27.4%
72.8%	760	532	-229	-30.1%
74.1%	754	496	-258	-34.2%
75.3%	749	486	-263	-35.1%
76.5%	743	480	-263	-35.4%
77.8%	743	480	-263	-35.5%
79.0%	742	470	-272	-36.6%
80.2%	741	465	-276	-37.2%
81.5%	741	464	-277	-37.4%
82.7%	739	460	-278	-37.7%
84.0%	738	459	-279	-37.8%
85.2%	734	458	-275	-37.5%
86.4%	727	454	-273	-37.5%
87.7%	722	452	-271	-37.5%
88.9%	693	448	-245	-35.3%
90.1%	607	439	-168	-27.6%
91.4%	602	439	-163	-27.0%
92.6%	601	434	-167	-27.8%
93.8%	587	430	-158	-26.8%
95.1%	584	429	-155	-26.5%
96.3%	553	426	-127	-22.9%
97.5%	532	424	-108	-20.3%
98.8%	63	413	350	556.8%
100.0%	0	410	410	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	562	-7	-1.2%
9.9%	566	552	-14	-2.5%
11.1%	564	546	-18	-3.2%
12.3%	560	542	-18	-3.2%
13.6%	555	541	-14	-2.5%
14.8%	551	537	-13	-2.4%
16.0%	550	524	-25	-4.6%
17.3%	548	524	-24	-4.4%
18.5%	546	514	-32	-5.9%
19.8%	546	501	-45	-8.2%
21.0%	545	500	-46	-8.4%
22.2%	544	489	-55	-10.2%
23.5%	539	473	-66	-12.3%
24.7%	533	466	-67	-12.5%
25.9%	529	465	-64	-12.1%
27.2%	529	456	-73	-13.7%
28.4%	516	450	-66	-12.7%
29.6%	508	450	-58	-11.5%
30.9%	507	447	-60	-11.9%
32.1%	502	447	-56	-11.1%
33.3%	501	444	-57	-11.3%
34.6%	501	442	-58	-11.6%
35.8%	482	437	-45	-9.4%
37.0%	482	435	-47	-9.7%
38.3%	481	428	-53	-11.0%
39.5%	479	426	-53	-11.1%
40.7%	475	426	-49	-10.4%
42.0%	474	412	-63	-13.2%
43.2%	465	412	-53	-11.4%
44.4%	457	405	-53	-11.5%
45.7%	457	402	-55	-11.9%
46.9%	450	401	-49	-11.0%
48.1%	443	400	-43	-9.8%
49.4%	442	400	-43	-9.6%
50.6%	438	390	-48	-11.1%
51.9%	438	387	-51	-11.5%
53.1%	436	378	-59	-13.4%
54.3%	435	370	-65	-14.9%
55.6%	428	368	-61	-14.2%
56.8%	426	361	-65	-15.2%
58.0%	421	357	-63	-15.1%
59.3%	420	356	-64	-15.3%
60.5%	420	347	-73	-17.4%
61.7%	417	344	-73	-17.4%
63.0%	411	341	-70	-16.9%
64.2%	408	341	-67	-16.4%
65.4%	405	338	-67	-16.6%
66.7%	401	338	-63	-15.8%
67.9%	400	335	-65	-16.2%
69.1%	398	331	-67	-16.9%
70.4%	396	330	-65	-16.5%
71.6%	386	323	-63	-16.2%
72.8%	379	323	-56	-14.8%
74.1%	376	322	-54	-14.4%
75.3%	369	319	-50	-13.6%
76.5%	364	316	-49	-13.3%
77.8%	357	313	-44	-12.3%
79.0%	353	312	-40	-11.4%
80.2%	351	305	-46	-13.0%
81.5%	349	289	-59	-17.0%
82.7%	346	288	-58	-16.7%
84.0%	333	284	-49	-14.6%
85.2%	331	283	-48	-14.6%
86.4%	330	281	-49	-15.0%
87.7%	330	279	-51	-15.4%
88.9%	323	279	-43	-13.4%
90.1%	322	277	-45	-14.0%
91.4%	318	266	-53	-16.5%
92.6%	318	259	-59	-18.6%
93.8%	312	257	-55	-17.7%
95.1%	306	222	-85	-27.6%
96.3%	299	216	-83	-27.8%
97.5%	298	209	-89	-29.9%
98.8%	285	205	-80	-27.9%
100.0%	263	197	-65	-24.9%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,692	1,376	435.5%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,597	1,329	495.1%
22.2%	268	1,558	1,290	481.5%
23.5%	268	1,347	1,079	402.8%
24.7%	263	1,194	931	353.7%
25.9%	259	628	369	142.3%
27.2%	255	614	359	140.8%
28.4%	254	602	348	136.7%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	306	69	29.1%
34.6%	235	304	69	29.1%
35.8%	231	298	66	28.6%
37.0%	225	296	72	31.9%
38.3%	224	284	61	27.0%
39.5%	222	283	61	27.2%
40.7%	222	282	61	27.3%
42.0%	216	277	61	28.0%
43.2%	212	271	59	27.8%
44.4%	212	268	57	26.7%
45.7%	209	268	59	27.9%
46.9%	204	259	55	26.9%
48.1%	201	255	54	26.7%
49.4%	197	240	43	21.8%
50.6%	194	239	45	23.4%
51.9%	193	238	45	23.3%
53.1%	189	237	48	25.2%
54.3%	185	225	40	21.7%
55.6%	184	222	38	20.9%
56.8%	183	222	39	21.6%
58.0%	181	212	32	17.5%
59.3%	180	212	32	17.6%
60.5%	179	204	25	13.9%
61.7%	179	201	23	12.8%
63.0%	175	197	22	12.6%
64.2%	172	194	22	12.9%
65.4%	171	193	22	12.9%
66.7%	171	185	13	7.7%
67.9%	166	183	16	9.7%
69.1%	161	180	19	11.6%
70.4%	161	172	11	6.7%
71.6%	159	171	13	8.1%
72.8%	158	161	4	2.4%
74.1%	158	161	3	2.0%
75.3%	158	159	1	0.5%
76.5%	158	158	0	0.0%
77.8%	158	158	0	0.0%
79.0%	158	158	0	0.0%
80.2%	158	158	0	0.0%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	157	0	-0.3%
85.2%	158	152	-6	-3.7%
86.4%	158	144	-14	-8.7%
87.7%	158	141	-17	-10.6%
88.9%	158	139	-19	-11.9%
90.1%	158	132	-25	-16.1%
91.4%	158	131	-27	-17.1%
92.6%	158	131	-27	-17.1%
93.8%	152	122	-29	-19.4%
95.1%	138	119	-19	-13.7%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	74	-45	-37.6%
100.0%	119	66	-53	-44.6%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	373	298	398.8%
37.0%	75	365	291	388.4%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	332	258	344.2%
43.2%	75	332	258	344.2%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	171	96	128.9%
53.1%	75	147	72	95.9%
54.3%	75	144	69	92.7%
55.6%	75	141	66	87.9%
56.8%	75	141	66	87.9%
58.0%	75	139	65	86.2%
59.3%	75	137	63	83.6%
60.5%	75	137	62	82.5%
61.7%	75	133	59	78.2%
63.0%	75	122	47	63.2%
64.2%	75	122	47	63.2%
65.4%	75	120	45	60.0%
66.7%	75	114	39	52.5%
67.9%	75	108	33	44.5%
69.1%	75	106	31	41.7%
70.4%	75	87	12	16.6%
71.6%	75	87	12	16.1%
72.8%	75	82	7	10.0%
74.1%	75	80	6	7.5%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	38	-19	-33.4%
100.0%	56	23	-33	-58.8%

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	496	428	625.5%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	495	427	624.1%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	479	411	600.5%
42.0%	68	471	402	587.8%
43.2%	68	471	402	587.8%
44.4%	68	471	402	587.8%
45.7%	68	361	293	428.1%
46.9%	68	208	140	204.2%
48.1%	68	194	126	183.7%
49.4%	68	164	96	139.7%
50.6%	68	134	66	96.3%
51.9%	68	100	32	46.7%
53.1%	68	97	29	41.7%
54.3%	68	83	14	20.7%
55.6%	68	80	12	16.9%
56.8%	68	80	11	16.5%
58.0%	68	77	9	13.2%
59.3%	68	74	6	8.7%
60.5%	68	68	0	0.0%
61.7%	68	68	0	0.0%
63.0%	68	68	0	0.0%
64.2%	68	68	0	0.0%
65.4%	68	68	0	0.0%
66.7%	68	68	0	0.0%
67.9%	68	68	0	0.0%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	66	14	27.8%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	58	6	12.5%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	26	-24	-48.5%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,807	1,631	927.8%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,802	1,733	
13.6%	69	1,797	1,728	
14.8%	68	1,793	1,724	
16.0%	66	1,724	1,657	
17.3%	66	1,689	1,624	
18.5%	61	1,539	1,478	
19.8%	58	1,257	1,198	
21.0%	58	1,186	1,128	
22.2%	56	921	865	
23.5%	56	810	754	
24.7%	50	643	593	
25.9%	48	460	412	867.6%
27.2%	47	432	385	826.3%
28.4%	46	406	360	783.9%
29.6%	46	341	296	649.3%
30.9%	45	237	192	427.4%
32.1%	44	226	182	414.2%
33.3%	41	180	139	341.2%
34.6%	40	150	109	270.7%
35.8%	33	136	103	315.9%
37.0%	32	94	61	189.5%
38.3%	32	82	50	153.8%
39.5%	30	78	48	157.1%
40.7%	30	74	44	144.1%
42.0%	25	71	47	187.7%
43.2%	25	67	42	170.7%
44.4%	22	55	33	150.5%
45.7%	22	55	33	151.2%
46.9%	22	55	33	149.0%
48.1%	22	54	32	148.7%
49.4%	20	53	34	171.8%
50.6%	20	53	34	171.8%
51.9%	20	51	31	160.0%
53.1%	20	46	27	136.4%
54.3%	20	46	27	136.4%
55.6%	20	44	24	124.6%
56.8%	20	39	20	101.0%
58.0%	20	37	17	89.2%
59.3%	20	35	15	77.4%
60.5%	20	33	13	66.9%
61.7%	20	32	13	65.7%
63.0%	20	23	4	18.5%
64.2%	20	23	4	18.5%
65.4%	20	22	3	14.5%
66.7%	20	22	3	13.2%
67.9%	20	16	-3	-16.9%
69.1%	20	14	-6	-28.8%
70.4%	20	14	-6	-29.1%
71.6%	20	14	-6	-30.2%
72.8%	20	11	-8	-41.7%
74.1%	20	11	-8	-41.7%
75.3%	20	11	-8	-41.7%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.8%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	2,993	206	7.4%
12.3%	2,749	2,945	197	7.1%
13.6%	2,717	2,897	180	6.6%
14.8%	2,674	2,885	212	7.9%
16.0%	2,666	2,883	217	8.1%
17.3%	2,660	2,838	177	6.7%
18.5%	2,585	2,832	246	9.5%
19.8%	2,543	2,755	213	8.4%
21.0%	2,518	2,749	230	9.1%
22.2%	2,484	2,717	233	9.4%
23.5%	2,433	2,674	241	9.9%
24.7%	2,414	2,666	251	10.4%
25.9%	2,395	2,660	265	11.1%
27.2%	2,380	2,643	263	11.1%
28.4%	2,379	2,636	257	10.8%
29.6%	2,377	2,585	209	8.8%
30.9%	2,374	2,562	188	7.9%
32.1%	2,366	2,545	179	7.6%
33.3%	2,364	2,518	155	6.6%
34.6%	2,363	2,484	121	5.1%
35.8%	2,353	2,433	80	3.4%
37.0%	2,347	2,414	68	2.9%
38.3%	2,323	2,380	57	2.4%
39.5%	2,310	2,379	69	3.0%
40.7%	2,299	2,377	78	3.4%
42.0%	2,291	2,374	83	3.6%
43.2%	2,283	2,366	83	3.6%
44.4%	2,267	2,364	96	4.3%
45.7%	2,248	2,363	115	5.1%
46.9%	2,239	2,357	118	5.3%
48.1%	2,235	2,323	88	3.9%
49.4%	2,205	2,310	104	4.7%
50.6%	2,197	2,299	102	4.6%
51.9%	2,189	2,291	101	4.6%
53.1%	2,181	2,235	54	2.5%
54.3%	2,173	2,216	43	2.0%
55.6%	2,151	2,189	38	1.8%
56.8%	2,144	2,181	37	1.7%
58.0%	2,142	2,144	2	0.1%
59.3%	2,141	2,141	0	0.0%
60.5%	2,139	2,130	-8	-0.4%
61.7%	2,136	2,130	-5	-0.3%
63.0%	2,135	2,090	-45	-2.1%
64.2%	2,130	2,077	-54	-2.5%
65.4%	2,130	2,042	-88	-4.1%
66.7%	2,116	2,042	-74	-3.5%
67.9%	2,090	1,986	-104	-5.0%
69.1%	2,080	1,983	-96	-4.6%
70.4%	2,077	1,931	-146	-7.0%
71.6%	2,077	1,903	-174	-8.4%
72.8%	2,042	1,838	-204	-10.0%
74.1%	2,042	1,809	-233	-11.4%
75.3%	2,034	1,777	-256	-12.6%
76.5%	1,983	1,747	-236	-11.9%
77.8%	1,967	1,697	-270	-13.7%
79.0%	1,903	1,662	-241	-12.7%
80.2%	1,895	1,659	-236	-12.5%
81.5%	1,809	1,609	-200	-11.0%
82.7%	1,777	1,522	-254	-14.3%
84.0%	1,768	1,418	-350	-19.8%
85.2%	1,747	1,402	-346	-19.8%
86.4%	1,662	1,375	-287	-17.2%
87.7%	1,659	1,271	-389	-23.4%
88.9%	1,555	1,249	-305	-19.6%
90.1%	1,522	1,208	-314	-20.6%
91.4%	1,466	1,201	-265	-18.1%
92.6%	1,418	1,174	-244	-17.2%
93.8%	1,402	1,172	-230	-16.4%
95.1%	1,375	1,161	-215	-15.6%
96.3%	1,271	1,158	-113	-8.9%
97.5%	1,249	1,158	-92	-7.3%
98.8%	1,158	1,007	-151	-13.0%
100.0%	1,002	947	-55	-5.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	2,943	574	24.2%
3.7%	2,346	2,681	335	14.3%
4.9%	2,346	2,436	90	3.8%
6.2%	2,338	2,397	59	2.5%
7.4%	2,331	2,389	58	2.5%
8.6%	2,315	2,379	64	2.7%
9.9%	2,315	2,368	53	2.3%
11.1%	2,310	2,348	38	1.7%
12.3%	2,299	2,346	46	2.0%
13.6%	2,299	2,345	46	2.0%
14.8%	2,299	2,342	43	1.9%
16.0%	2,296	2,340	44	1.9%
17.3%	2,289	2,331	41	1.8%
18.5%	2,289	2,330	41	1.8%
19.8%	2,289	2,325	36	1.6%
21.0%	2,284	2,315	31	1.3%
22.2%	2,274	2,310	36	1.6%
23.5%	2,274	2,289	15	0.7%
24.7%	2,266	2,286	20	0.9%
25.9%	2,266	2,275	9	0.4%
27.2%	2,261	2,274	13	0.6%
28.4%	2,258	2,274	16	0.7%
29.6%	2,255	2,263	8	0.3%
30.9%	2,252	2,255	3	0.1%
32.1%	2,250	2,250	0	0.0%
33.3%	2,250	2,250	0	0.0%
34.6%	2,248	2,247	-1	0.0%
35.8%	2,247	2,237	-10	-0.4%
37.0%	2,245	2,228	-17	-0.8%
38.3%	2,245	2,226	-19	-0.8%
39.5%	2,242	2,206	-36	-1.6%
40.7%	2,242	2,187	-54	-2.4%
42.0%	2,237	2,176	-61	-2.7%
43.2%	2,222	2,165	-57	-2.6%
44.4%	2,219	2,162	-57	-2.6%
45.7%	2,213	2,155	-58	-2.6%
46.9%	2,211	2,154	-57	-2.6%
48.1%	2,206	2,133	-73	-3.3%
49.4%	2,198	2,133	-66	-3.0%
50.6%	2,185	2,118	-67	-3.1%
51.9%	2,185	2,114	-71	-3.2%
53.1%	2,165	2,108	-57	-2.6%
54.3%	2,162	2,105	-57	-2.7%
55.6%	2,147	2,098	-49	-2.3%
56.8%	2,141	2,086	-55	-2.6%
58.0%	2,133	2,078	-55	-2.6%
59.3%	2,118	2,076	-42	-2.0%
60.5%	2,100	2,066	-34	-1.6%
61.7%	2,086	2,058	-28	-1.4%
63.0%	2,086	2,052	-34	-1.6%
64.2%	2,076	2,052	-24	-1.2%
65.4%	2,066	2,025	-41	-2.0%
66.7%	2,045	1,986	-59	-2.9%
67.9%	2,032	1,984	-48	-2.4%
69.1%	2,025	1,972	-53	-2.6%
70.4%	2,024	1,972	-53	-2.6%
71.6%	2,007	1,946	-61	-3.0%
72.8%	1,990	1,944	-47	-2.3%
74.1%	1,944	1,926	-18	-0.9%
75.3%	1,937	1,915	-22	-1.1%
76.5%	1,926	1,762	-164	-8.5%
77.8%	1,921	1,732	-189	-9.9%
79.0%	1,882	1,692	-189	-10.1%
80.2%	1,856	1,667	-189	-10.2%
81.5%	1,843	1,659	-184	-10.0%
82.7%	1,840	1,562	-278	-15.1%
84.0%	1,825	1,409	-415	-22.8%
85.2%	1,797	1,281	-516	-28.7%
86.4%	1,790	1,247	-543	-30.3%
87.7%	1,762	1,232	-530	-30.1%
88.9%	1,709	1,228	-481	-28.2%
90.1%	1,692	1,202	-490	-29.0%
91.4%	1,667	1,190	-477	-28.6%
92.6%	1,642	1,110	-532	-32.4%
93.8%	1,586	1,024	-562	-35.4%
95.1%	1,562	1,016	-546	-35.0%
96.3%	1,547	893	-655	-42.3%
97.5%	1,456	819	-638	-43.8%
98.8%	1,422	806	-616	-43.3%
100.0%	1,202	739	-464	-38.6%

Table OP-02-3b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	2,998	-2	-0.1%
17.3%	3,000	2,996	-4	-0.1%
18.5%	3,000	2,978	-22	-0.7%
19.8%	3,000	2,955	-45	-1.5%
21.0%	3,000	2,950	-50	-1.7%
22.2%	3,000	2,915	-85	-2.8%
23.5%	3,000	2,851	-149	-5.0%
24.7%	3,000	2,837	-163	-5.4%
25.9%	3,000	2,707	-293	-9.8%
27.2%	3,000	2,685	-315	-10.5%
28.4%	3,000	2,685	-315	-10.5%
29.6%	3,000	2,653	-347	-11.6%
30.9%	3,000	2,588	-412	-13.7%
32.1%	3,000	2,587	-413	-13.8%
33.3%	3,000	2,378	-622	-20.7%
34.6%	3,000	2,326	-674	-22.5%
35.8%	3,000	2,283	-717	-23.9%
37.0%	3,000	2,228	-772	-25.7%
38.3%	3,000	2,131	-869	-29.0%
39.5%	3,000	2,008	-992	-33.1%
40.7%	3,000	1,962	-1,038	-34.6%
42.0%	3,000	1,781	-1,219	-40.6%
43.2%	3,000	1,692	-1,308	-43.6%
44.4%	3,000	1,692	-1,308	-43.6%
45.7%	3,000	1,692	-1,308	-43.6%
46.9%	3,000	1,692	-1,308	-43.6%
48.1%	3,000	1,692	-1,308	-43.6%
49.4%	3,000	1,692	-1,308	-43.6%
50.6%	3,000	1,692	-1,308	-43.6%
51.9%	3,000	1,692	-1,308	-43.6%
53.1%	3,000	1,691	-1,309	-43.6%
54.3%	3,000	1,689	-1,311	-43.7%
55.6%	3,000	1,689	-1,311	-43.7%
56.8%	3,000	1,689	-1,311	-43.7%
58.0%	3,000	1,689	-1,311	-43.7%
59.3%	3,000	1,689	-1,311	-43.7%
60.5%	3,000	1,686	-1,314	-43.8%
61.7%	3,000	1,684	-1,316	-43.9%
63.0%	3,000	1,678	-1,322	-44.1%
64.2%	2,998	1,675	-1,323	-44.1%
65.4%	2,998	1,673	-1,325	-44.2%
66.7%	2,996	1,673	-1,323	-44.2%
67.9%	2,996	1,665	-1,331	-44.4%
69.1%	2,985	1,657	-1,328	-44.5%
70.4%	2,969	1,657	-1,312	-44.2%
71.6%	2,964	1,654	-1,309	-44.2%
72.8%	2,953	1,644	-1,309	-44.3%
74.1%	2,953	1,641	-1,312	-44.4%
75.3%	2,953	1,624	-1,329	-45.0%
76.5%	2,950	1,622	-1,328	-45.0%
77.8%	2,918	1,619	-1,299	-44.5%
79.0%	2,915	1,609	-1,307	-44.8%
80.2%	2,905	1,595	-1,309	-45.1%
81.5%	2,865	1,585	-1,279	-44.7%
82.7%	2,840	1,585	-1,255	-44.2%
84.0%	2,827	1,585	-1,242	-43.9%
85.2%	2,792	1,582	-1,210	-43.3%
86.4%	2,787	1,582	-1,205	-43.2%
87.7%	2,776	1,580	-1,196	-43.1%
88.9%	2,685	1,577	-1,109	-41.3%
90.1%	2,439	1,450	-990	-40.6%
91.4%	2,434	1,325	-1,109	-45.6%
92.6%	2,338	1,281	-1,057	-45.2%
93.8%	2,330	1,231	-1,099	-47.2%
95.1%	2,326	1,214	-1,112	-47.8%
96.3%	2,315	1,180	-1,134	-49.0%
97.5%	2,310	1,180	-1,130	-48.9%
98.8%	2,296	1,167	-1,130	-49.2%
100.0%	2,236	1,152	-1,084	-48.5%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	2,923	0	0.0%
1.2%	2,923	2,923	0	0.0%
2.5%	2,923	2,923	0	0.0%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,918	-5	-0.2%
9.9%	2,923	2,902	-21	-0.7%
11.1%	2,923	2,842	-81	-2.8%
12.3%	2,923	2,828	-95	-3.3%
13.6%	2,923	2,828	-95	-3.3%
14.8%	2,923	2,577	-346	-11.8%
16.0%	2,923	2,452	-471	-16.1%
17.3%	2,923	2,364	-559	-19.1%
18.5%	2,923	2,325	-598	-20.5%
19.8%	2,923	2,310	-613	-21.0%
21.0%	2,923	2,264	-660	-22.6%
22.2%	2,923	2,112	-811	-27.7%
23.5%	2,923	2,067	-857	-29.3%
24.7%	2,923	2,064	-860	-29.4%
25.9%	2,923	2,009	-914	-31.3%
27.2%	2,923	1,993	-930	-31.8%
28.4%	2,923	1,947	-976	-33.4%
29.6%	2,923	1,920	-1,003	-34.3%
30.9%	2,923	1,861	-1,062	-36.3%
32.1%	2,923	1,628	-1,296	-44.3%
33.3%	2,923	1,548	-1,375	-47.0%
34.6%	2,923	1,548	-1,375	-47.0%
35.8%	2,923	1,548	-1,375	-47.0%
37.0%	2,923	1,548	-1,375	-47.0%
38.3%	2,923	1,548	-1,375	-47.0%
39.5%	2,923	1,548	-1,375	-47.0%
40.7%	2,923	1,548	-1,375	-47.0%
42.0%	2,923	1,548	-1,375	-47.0%
43.2%	2,918	1,548	-1,370	-46.9%
44.4%	2,915	1,548	-1,367	-46.9%
45.7%	2,915	1,548	-1,366	-46.9%
46.9%	2,913	1,548	-1,365	-46.9%
48.1%	2,912	1,548	-1,364	-46.8%
49.4%	2,902	1,548	-1,354	-46.7%
50.6%	2,885	1,548	-1,336	-46.3%
51.9%	2,868	1,548	-1,320	-46.0%
53.1%	2,866	1,548	-1,318	-46.0%
54.3%	2,851	1,548	-1,302	-45.7%
55.6%	2,845	1,548	-1,297	-45.6%
56.8%	2,844	1,548	-1,296	-45.6%
58.0%	2,828	1,547	-1,281	-45.3%
59.3%	2,828	1,543	-1,285	-45.4%
60.5%	2,828	1,543	-1,285	-45.4%
61.7%	2,828	1,538	-1,290	-45.6%
63.0%	2,828	1,517	-1,311	-46.4%
64.2%	2,828	1,399	-1,429	-50.5%
65.4%	2,828	1,384	-1,444	-51.1%
66.7%	2,828	1,384	-1,444	-51.1%
67.9%	2,828	1,384	-1,444	-51.1%
69.1%	2,828	1,384	-1,444	-51.1%
70.4%	2,828	1,384	-1,444	-51.1%
71.6%	2,828	1,384	-1,444	-51.1%
72.8%	2,828	1,384	-1,444	-51.1%
74.1%	2,828	1,384	-1,444	-51.1%
75.3%	2,828	1,384	-1,444	-51.1%
76.5%	2,828	1,384	-1,444	-51.1%
77.8%	2,828	1,384	-1,444	-51.1%
79.0%	2,828	1,384	-1,444	-51.1%
80.2%	2,828	1,384	-1,444	-51.1%
81.5%	2,823	1,384	-1,439	-51.0%
82.7%	2,823	1,383	-1,440	-51.0%
84.0%	2,823	1,383	-1,440	-51.0%
85.2%	2,820	1,383	-1,437	-51.0%
86.4%	2,810	1,381	-1,429	-50.8%
87.7%	2,799	1,381	-1,418	-50.7%
88.9%	2,610	1,378	-1,231	-47.2%
90.1%	2,247	1,378	-869	-38.7%
91.4%	2,244	1,368	-876	-39.0%
92.6%	2,163	1,197	-967	-44.7%
93.8%	2,162	1,195	-967	-44.7%
95.1%	2,128	1,163	-965	-45.4%
96.3%	2,110	1,110	-1,000	-47.4%
97.5%	2,082	1,076	-1,006	-48.3%
98.8%	2,067	1,057	-1,009	-48.8%
100.0%	2,064	1,035	-1,029	-49.9%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	2,920	696	31.3%
6.2%	2,224	2,359	135	6.1%
7.4%	2,224	2,355	131	5.9%
8.6%	2,224	2,224	0	0.0%
9.9%	2,224	2,224	0	0.0%
11.1%	2,224	2,224	0	0.0%
12.3%	2,224	2,224	0	0.0%
13.6%	2,224	2,224	0	0.0%
14.8%	2,224	2,224	0	0.0%
16.0%	2,224	2,224	0	0.0%
17.3%	2,224	2,224	0	0.0%
18.5%	2,224	2,224	0	0.0%
19.8%	2,224	2,224	0	0.0%
21.0%	2,224	2,224	0	0.0%
22.2%	2,224	2,224	0	0.0%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,221	2,224	3	0.1%
28.4%	2,219	2,224	5	0.2%
29.6%	2,214	2,224	10	0.5%
30.9%	2,210	2,224	14	0.6%
32.1%	2,203	2,224	21	0.9%
33.3%	2,198	2,224	26	1.2%
34.6%	2,194	2,224	30	1.4%
35.8%	2,186	2,224	38	1.8%
37.0%	2,177	2,224	47	2.1%
38.3%	2,175	2,224	49	2.3%
39.5%	2,173	2,221	48	2.2%
40.7%	2,170	2,221	52	2.4%
42.0%	2,156	2,219	63	2.9%
43.2%	2,134	2,219	84	3.9%
44.4%	2,132	2,211	80	3.7%
45.7%	2,114	2,211	97	4.6%
46.9%	2,114	2,199	86	4.0%
48.1%	2,114	2,196	83	3.9%
49.4%	2,114	2,177	64	3.0%
50.6%	2,114	2,175	61	2.9%
51.9%	2,114	2,114	0	0.0%
53.1%	2,114	2,114	0	0.0%
54.3%	2,114	2,112	-2	-0.1%
55.6%	2,114	2,109	-5	-0.2%
56.8%	2,114	2,108	-6	-0.3%
58.0%	2,114	2,103	-10	-0.5%
59.3%	2,114	2,101	-13	-0.6%
60.5%	2,114	2,076	-38	-1.8%
61.7%	2,114	2,074	-40	-1.9%
63.0%	2,114	2,043	-71	-3.3%
64.2%	2,114	2,038	-76	-3.6%
65.4%	2,114	1,993	-120	-5.7%
66.7%	2,114	1,952	-162	-7.7%
67.9%	2,114	1,806	-308	-14.6%
69.1%	2,111	1,794	-317	-15.0%
70.4%	2,109	1,714	-394	-18.7%
71.6%	2,109	1,696	-412	-19.5%
72.8%	2,109	1,690	-418	-19.8%
74.1%	2,103	1,609	-494	-23.5%
75.3%	2,101	1,511	-589	-28.1%
76.5%	2,101	1,496	-604	-28.8%
77.8%	2,083	1,459	-623	-29.9%
79.0%	2,074	1,440	-633	-30.5%
80.2%	2,053	1,413	-640	-31.2%
81.5%	2,048	1,411	-637	-31.1%
82.7%	2,039	1,410	-629	-30.9%
84.0%	2,030	1,397	-633	-31.2%
85.2%	2,010	1,364	-646	-32.1%
86.4%	1,989	1,342	-647	-32.5%
87.7%	1,883	1,179	-704	-37.4%
88.9%	1,854	1,179	-676	-36.4%
90.1%	1,511	1,179	-332	-22.0%
91.4%	1,496	1,179	-317	-21.2%
92.6%	1,440	1,179	-261	-18.1%
93.8%	1,413	1,179	-234	-16.5%
95.1%	1,411	1,179	-232	-16.4%
96.3%	1,410	1,174	-236	-16.7%
97.5%	1,397	1,088	-309	-22.1%
98.8%	1,364	852	-513	-37.6%
100.0%	1,342	841	-501	-37.3%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	1,581	972	159.5%
1.2%	607	1,544	937	154.4%
2.5%	607	678	72	11.8%
3.7%	605	607	2	0.3%
4.9%	604	606	2	0.4%
6.2%	601	605	5	0.8%
7.4%	600	599	-1	-0.1%
8.6%	599	597	-3	-0.4%
9.9%	599	595	-4	-0.7%
11.1%	597	590	-7	-1.1%
12.3%	597	590	-7	-1.1%
13.6%	595	588	-7	-1.2%
14.8%	592	587	-6	-1.0%
16.0%	591	586	-5	-0.8%
17.3%	591	586	-5	-0.9%
18.5%	590	585	-5	-0.9%
19.8%	590	585	-6	-0.9%
21.0%	590	584	-6	-1.0%
22.2%	590	583	-6	-1.1%
23.5%	590	583	-7	-1.2%
24.7%	589	582	-7	-1.2%
25.9%	588	580	-9	-1.5%
27.2%	588	578	-10	-1.6%
28.4%	588	578	-10	-1.7%
29.6%	587	578	-9	-1.5%
30.9%	586	577	-10	-1.7%
32.1%	586	576	-10	-1.7%
33.3%	585	573	-12	-2.1%
34.6%	585	572	-12	-2.1%
35.8%	585	570	-15	-2.6%
37.0%	584	568	-16	-2.7%
38.3%	583	563	-20	-3.5%
39.5%	583	563	-20	-3.4%
40.7%	580	561	-19	-3.3%
42.0%	578	550	-28	-4.8%
43.2%	578	546	-32	-5.5%
44.4%	578	545	-32	-5.6%
45.7%	577	543	-34	-5.9%
46.9%	577	535	-41	-7.2%
48.1%	576	528	-47	-8.2%
49.4%	575	528	-48	-8.3%
50.6%	575	514	-60	-10.5%
51.9%	572	509	-64	-11.1%
53.1%	572	461	-110	-19.3%
54.3%	571	460	-112	-19.6%
55.6%	571	442	-130	-22.7%
56.8%	570	441	-129	-22.7%
58.0%	568	436	-132	-23.2%
59.3%	564	406	-158	-28.1%
60.5%	563	404	-159	-28.2%
61.7%	563	396	-167	-29.6%
63.0%	561	378	-183	-32.6%
64.2%	561	363	-198	-35.2%
65.4%	560	348	-213	-38.0%
66.7%	559	348	-212	-37.9%
67.9%	554	348	-206	-37.2%
69.1%	553	345	-209	-37.7%
70.4%	551	345	-206	-37.4%
71.6%	550	343	-207	-37.6%
72.8%	546	339	-206	-37.8%
74.1%	545	335	-210	-38.6%
75.3%	543	327	-216	-39.8%
76.5%	535	325	-211	-39.3%
77.8%	535	305	-230	-43.0%
79.0%	528	305	-223	-42.3%
80.2%	528	305	-223	-42.3%
81.5%	528	305	-223	-42.2%
82.7%	514	305	-209	-40.7%
84.0%	509	305	-204	-40.1%
85.2%	498	305	-193	-38.7%
86.4%	461	305	-156	-33.9%
87.7%	460	302	-157	-34.2%
88.9%	442	302	-139	-31.6%
90.1%	441	302	-138	-31.4%
91.4%	437	302	-134	-30.7%
92.6%	406	302	-103	-25.5%
93.8%	404	300	-105	-25.9%
95.1%	396	300	-97	-24.4%
96.3%	378	300	-78	-20.7%
97.5%	363	290	-74	-20.3%
98.8%	336	285	-51	-15.1%
100.0%	325	282	-43	-13.1%

Table OP-03-3a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7	55	343	761	655	308	68	66	694	468	19	7
Difference	7	55	343	761	655	308	68	66	694	468	19	7
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	14	58	466	868	551	153	0	0	709	337	45	0
Difference	14	58	466	868	551	153	0	0	709	337	45	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	16	167	451	1,125	993	528	0	0	692	428	0	0
Difference	16	167	451	1,125	993	528	0	0	692	428	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	14	368	1,042	653	321	0	0	488	240	0	0
Difference	0	14	368	1,042	653	321	0	0	488	240	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	32	206	477	788	384	67	72	727	669	0	11
Difference	0	32	206	477	788	384	67	72	727	669	0	11
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	17	141	263	341	295	365	342	854	756	32	33
Difference	0	17	141	263	341	295	365	342	854	756	32	33
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

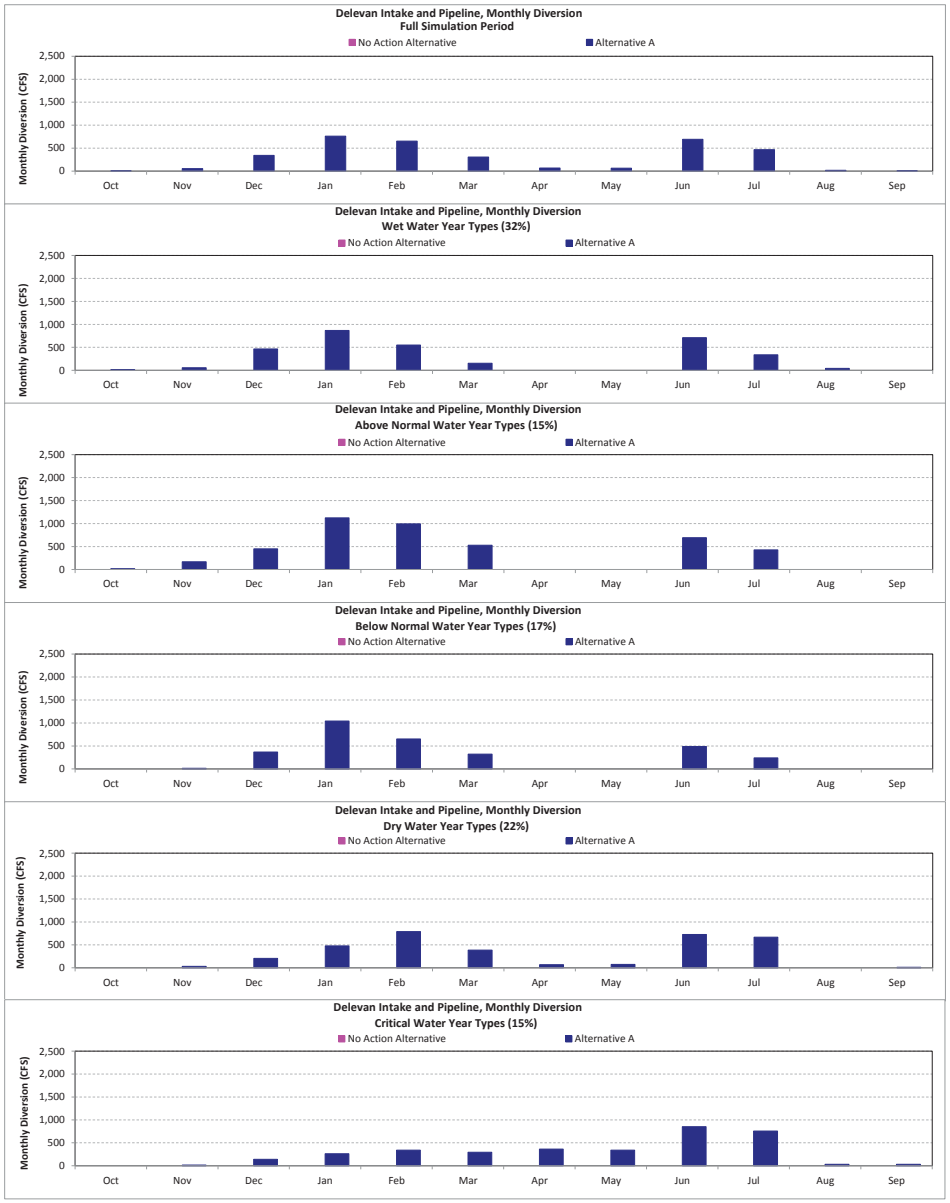

Figure OP-03-3b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

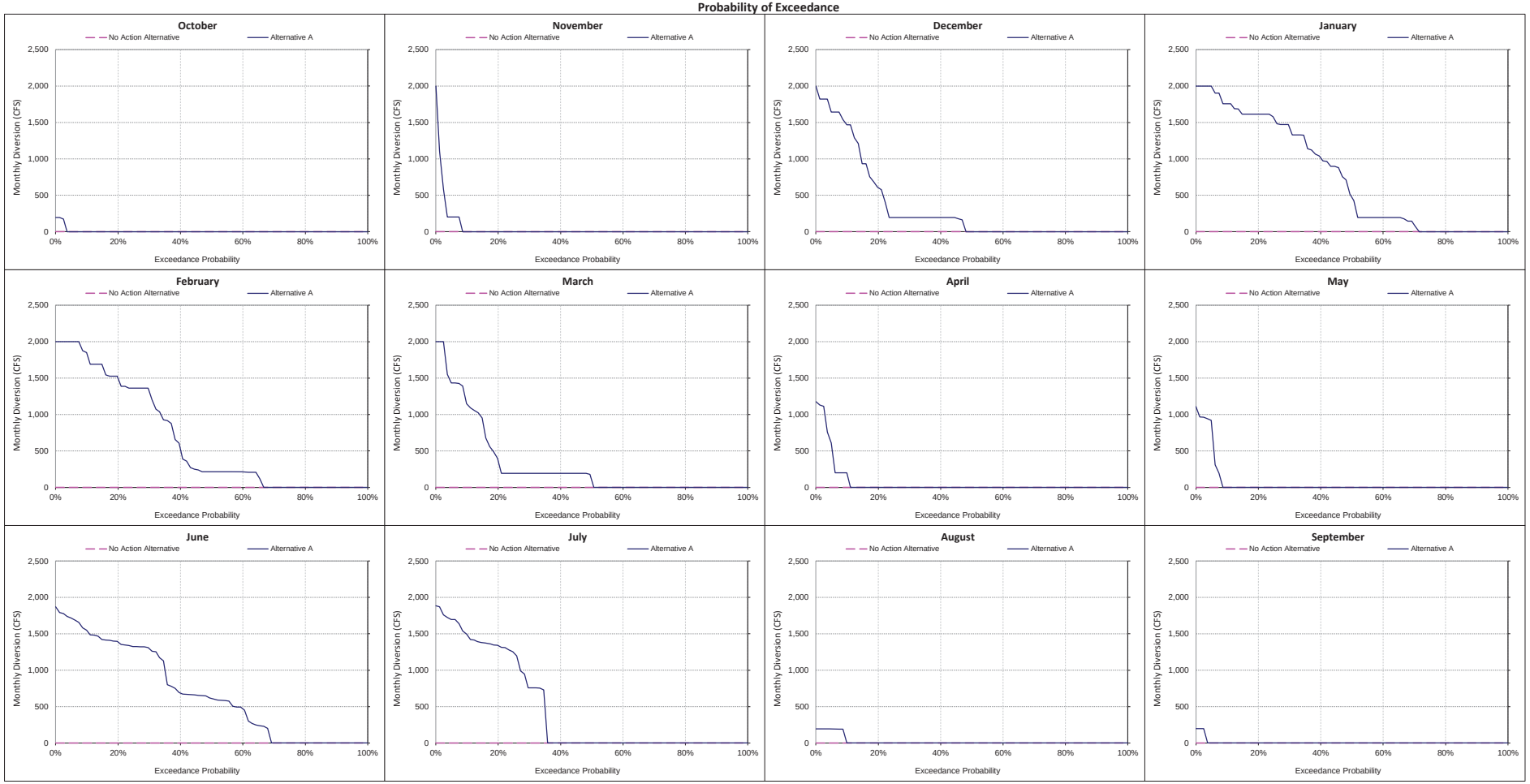

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	174	174	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,106	1,106	
2.5%	0	584	584	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,822	1,822	
2.5%	0	1,822	1,822	
3.7%	0	1,822	1,822	
4.9%	0	1,644	1,644	
6.2%	0	1,644	1,644	
7.4%	0	1,644	1,644	
8.6%	0	1,538	1,538	
9.9%	0	1,467	1,467	
11.1%	0	1,467	1,467	
12.3%	0	1,289	1,289	
13.6%	0	1,212	1,212	
14.8%	0	933	933	
16.0%	0	933	933	
17.3%	0	756	756	
18.5%	0	688	688	
19.8%	0	611	611	
21.0%	0	578	578	
22.2%	0	400	400	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	178	178	
46.9%	0	161	161	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	1,902	1,902	
7.4%	0	1,902	1,902	
8.6%	0	1,758	1,758	
9.9%	0	1,758	1,758	
11.1%	0	1,758	1,758	
12.3%	0	1,691	1,691	
13.6%	0	1,687	1,687	
14.8%	0	1,615	1,615	
16.0%	0	1,615	1,615	
17.3%	0	1,615	1,615	
18.5%	0	1,615	1,615	
19.8%	0	1,615	1,615	
21.0%	0	1,615	1,615	
22.2%	0	1,615	1,615	
23.5%	0	1,615	1,615	
24.7%	0	1,580	1,580	
25.9%	0	1,482	1,482	
27.2%	0	1,471	1,471	
28.4%	0	1,471	1,471	
29.6%	0	1,471	1,471	
30.9%	0	1,328	1,328	
32.1%	0	1,328	1,328	
33.3%	0	1,328	1,328	
34.6%	0	1,327	1,327	
35.8%	0	1,140	1,140	
37.0%	0	1,122	1,122	
38.3%	0	1,066	1,066	
39.5%	0	1,041	1,041	
40.7%	0	972	972	
42.0%	0	965	965	
43.2%	0	898	898	
44.4%	0	898	898	
45.7%	0	879	879	
46.9%	0	754	754	
48.1%	0	713	713	
49.4%	0	514	514	
50.6%	0	427	427	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	194	194	
64.2%	0	194	194	
65.4%	0	194	194	
66.7%	0	177	177	
67.9%	0	143	143	
69.1%	0	143	143	
70.4%	0	71	71	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	1,876	1,876	
9.9%	0	1,852	1,852	
11.1%	0	1,689	1,689	
12.3%	0	1,689	1,689	
13.6%	0	1,689	1,689	
14.8%	0	1,689	1,689	
16.0%	0	1,544	1,544	
17.3%	0	1,527	1,527	
18.5%	0	1,527	1,527	
19.8%	0	1,527	1,527	
21.0%	0	1,388	1,388	
22.2%	0	1,388	1,388	
23.5%	0	1,364	1,364	
24.7%	0	1,364	1,364	
25.9%	0	1,364	1,364	
27.2%	0	1,364	1,364	
28.4%	0	1,364	1,364	
29.6%	0	1,364	1,364	
30.9%	0	1,202	1,202	
32.1%	0	1,075	1,075	
33.3%	0	1,039	1,039	
34.6%	0	926	926	
35.8%	0	917	917	
37.0%	0	877	877	
38.3%	0	655	655	
39.5%	0	606	606	
40.7%	0	389	389	
42.0%	0	360	360	
43.2%	0	271	271	
44.4%	0	249	249	
45.7%	0	238	238	
46.9%	0	214	214	
48.1%	0	214	214	
49.4%	0	214	214	
50.6%	0	214	214	
51.9%	0	214	214	
53.1%	0	214	214	
54.3%	0	214	214	
55.6%	0	214	214	
56.8%	0	214	214	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	211	211	
61.7%	0	207	207	
63.0%	0	207	207	
64.2%	0	207	207	
65.4%	0	117	117	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	1,551	1,551	
4.9%	0	1,434	1,434	
6.2%	0	1,434	1,434	
7.4%	0	1,426	1,426	
8.6%	0	1,391	1,391	
9.9%	0	1,150	1,150	
11.1%	0	1,092	1,092	
12.3%	0	1,056	1,056	
13.6%	0	1,025	1,025	
14.8%	0	953	953	
16.0%	0	679	679	
17.3%	0	561	561	
18.5%	0	490	490	
19.8%	0	398	398	
21.0%	0	194	194	
22.2%	0	194	194	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	178	178	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,176	1,176	
1.2%	0	1,131	1,131	
2.5%	0	1,113	1,113	
3.7%	0	760	760	
4.9%	0	609	609	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,108	1,108	
1.2%	0	967	967	
2.5%	0	963	963	
3.7%	0	942	942	
4.9%	0	920	920	
6.2%	0	310	310	
7.4%	0	194	194	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-3b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,870	1,870	
1.2%	0	1,793	1,793	
2.5%	0	1,778	1,778	
3.7%	0	1,739	1,739	
4.9%	0	1,716	1,716	
6.2%	0	1,688	1,688	
7.4%	0	1,656	1,656	
8.6%	0	1,583	1,583	
9.9%	0	1,549	1,549	
11.1%	0	1,484	1,484	
12.3%	0	1,481	1,481	
13.6%	0	1,466	1,466	
14.8%	0	1,423	1,423	
16.0%	0	1,413	1,413	
17.3%	0	1,411	1,411	
18.5%	0	1,399	1,399	
19.8%	0	1,397	1,397	
21.0%	0	1,354	1,354	
22.2%	0	1,345	1,345	
23.5%	0	1,337	1,337	
24.7%	0	1,326	1,326	
25.9%	0	1,326	1,326	
27.2%	0	1,322	1,322	
28.4%	0	1,320	1,320	
29.6%	0	1,309	1,309	
30.9%	0	1,261	1,261	
32.1%	0	1,254	1,254	
33.3%	0	1,172	1,172	
34.6%	0	1,128	1,128	
35.8%	0	799	799	
37.0%	0	779	779	
38.3%	0	751	751	
39.5%	0	692	692	
40.7%	0	671	671	
42.0%	0	669	669	
43.2%	0	666	666	
44.4%	0	661	661	
45.7%	0	656	656	
46.9%	0	651	651	
48.1%	0	648	648	
49.4%	0	620	620	
50.6%	0	603	603	
51.9%	0	590	590	
53.1%	0	586	586	
54.3%	0	582	582	
55.6%	0	576	576	
56.8%	0	505	505	
58.0%	0	492	492	
59.3%	0	492	492	
60.5%	0	452	452	
61.7%	0	300	300	
63.0%	0	269	269	
64.2%	0	246	246	
65.4%	0	237	237	
66.7%	0	230	230	
67.9%	0	200	200	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,884	1,884	
1.2%	0	1,872	1,872	
2.5%	0	1,759	1,759	
3.7%	0	1,725	1,725	
4.9%	0	1,696	1,696	
6.2%	0	1,694	1,694	
7.4%	0	1,638	1,638	
8.6%	0	1,537	1,537	
9.9%	0	1,496	1,496	
11.1%	0	1,423	1,423	
12.3%	0	1,415	1,415	
13.6%	0	1,391	1,391	
14.8%	0	1,379	1,379	
16.0%	0	1,375	1,375	
17.3%	0	1,362	1,362	
18.5%	0	1,347	1,347	
19.8%	0	1,342	1,342	
21.0%	0	1,315	1,315	
22.2%	0	1,310	1,310	
23.5%	0	1,277	1,277	
24.7%	0	1,254	1,254	
25.9%	0	1,197	1,197	
27.2%	0	991	991	
28.4%	0	946	946	
29.6%	0	756	756	
30.9%	0	756	756	
32.1%	0	756	756	
33.3%	0	754	754	
34.6%	0	729	729	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	197	197	
1.2%	0	197	197	
2.5%	0	197	197	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-3a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	60	200	1,407	2,163	2,086	1,557	336	99	46	5	72	31
Difference	60	200	1,407	2,163	2,086	1,557	336	99	46	5	72	31
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	67	215	1,861	2,393	1,705	633	149	61	7	16	204	67
Difference	67	215	1,861	2,393	1,705	633	149	61	7	16	204	67
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	262	447	1,960	3,244	2,843	2,160	553	289	161	0	0	0
Difference	262	447	1,960	3,244	2,843	2,160	553	289	161	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	83	1,371	2,750	2,375	2,163	706	218	118	0	0	0
Difference	0	83	1,371	2,750	2,375	2,163	706	218	118	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	211	820	1,518	2,430	2,244	400	0	0	0	11	22
Difference	0	211	820	1,518	2,430	2,244	400	0	0	0	11	22
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	38	793	863	1,300	1,218	0	0	0	0	32	33
Difference	0	38	793	863	1,300	1,218	0	0	0	0	32	33
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

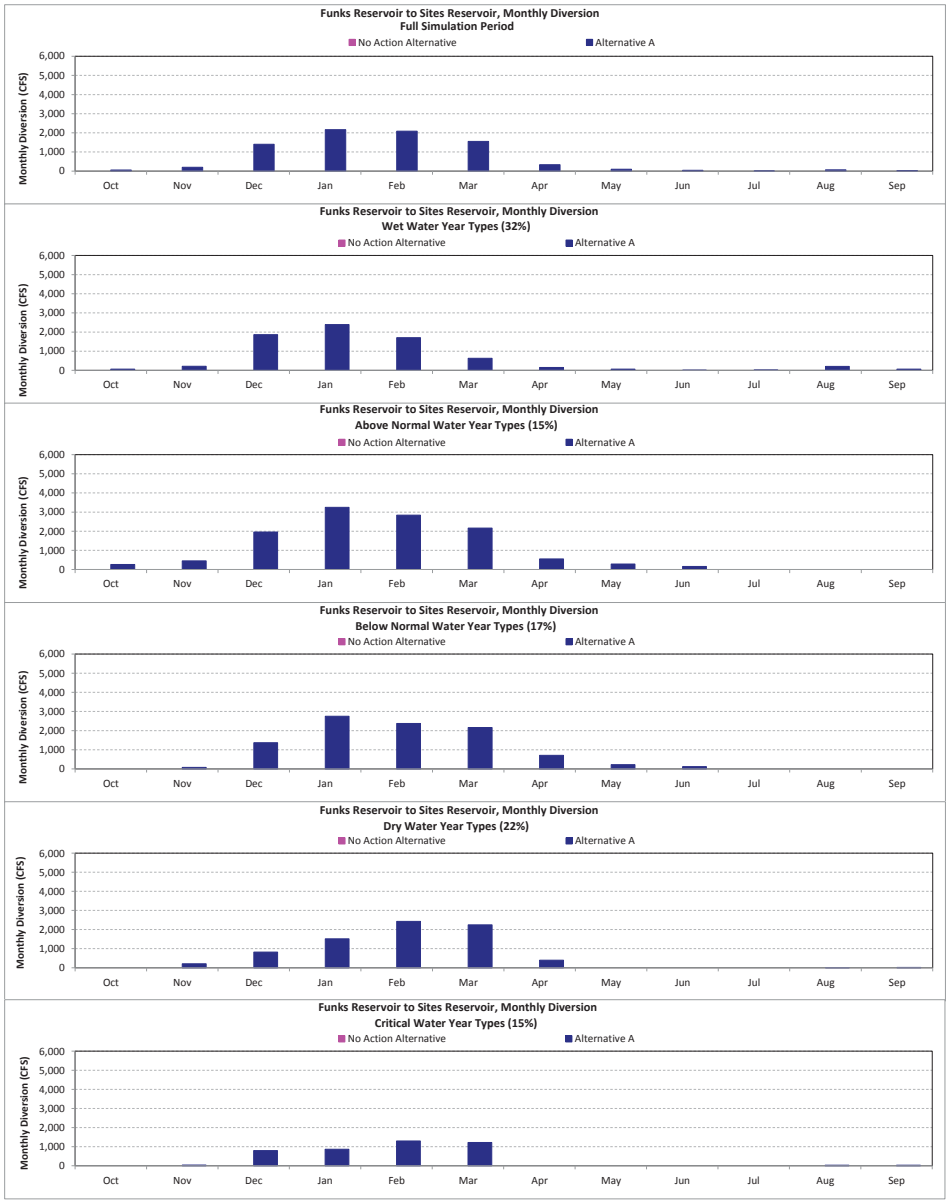

Figure OP-04-3b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

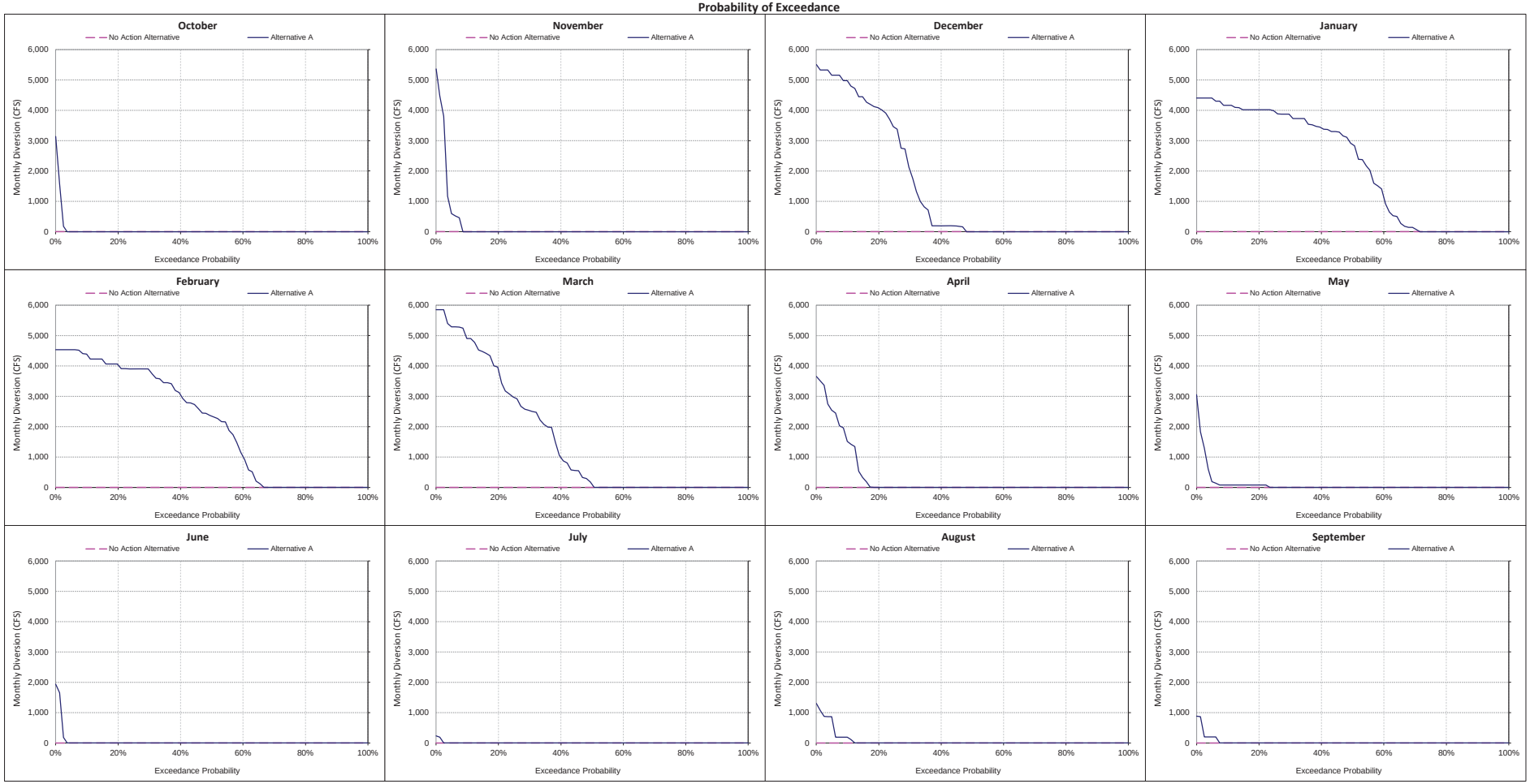

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,139	3,139	
1.2%	0	1,569	1,569	
2.5%	0	174	174	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,366	5,366	
1.2%	0	4,472	4,472	
2.5%	0	3,804	3,804	
3.7%	0	1,168	1,168	
4.9%	0	592	592	
6.2%	0	520	520	
7.4%	0	461	461	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,333	5,333	
2.5%	0	5,333	5,333	
3.7%	0	5,333	5,333	
4.9%	0	5,155	5,155	
6.2%	0	5,155	5,155	
7.4%	0	5,155	5,155	
8.6%	0	4,978	4,978	
9.9%	0	4,978	4,978	
11.1%	0	4,800	4,800	
12.3%	0	4,723	4,723	
13.6%	0	4,444	4,444	
14.8%	0	4,444	4,444	
16.0%	0	4,267	4,267	
17.3%	0	4,199	4,199	
18.5%	0	4,122	4,122	
19.8%	0	4,089	4,089	
21.0%	0	4,010	4,010	
22.2%	0	3,911	3,911	
23.5%	0	3,705	3,705	
24.7%	0	3,460	3,460	
25.9%	0	3,379	3,379	
27.2%	0	2,749	2,749	
28.4%	0	2,724	2,724	
29.6%	0	2,126	2,126	
30.9%	0	1,751	1,751	
32.1%	0	1,320	1,320	
33.3%	0	995	995	
34.6%	0	820	820	
35.8%	0	719	719	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	178	178	
46.9%	0	161	161	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,403	4,403	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,403	4,403	
6.2%	0	4,305	4,305	
7.4%	0	4,305	4,305	
8.6%	0	4,161	4,161	
9.9%	0	4,161	4,161	
11.1%	0	4,161	4,161	
12.3%	0	4,094	4,094	
13.6%	0	4,090	4,090	
14.8%	0	4,018	4,018	
16.0%	0	4,018	4,018	
17.3%	0	4,018	4,018	
18.5%	0	4,018	4,018	
19.8%	0	4,018	4,018	
21.0%	0	4,018	4,018	
22.2%	0	4,018	4,018	
23.5%	0	4,018	4,018	
24.7%	0	3,983	3,983	
25.9%	0	3,885	3,885	
27.2%	0	3,874	3,874	
28.4%	0	3,874	3,874	
29.6%	0	3,874	3,874	
30.9%	0	3,731	3,731	
32.1%	0	3,731	3,731	
33.3%	0	3,731	3,731	
34.6%	0	3,730	3,730	
35.8%	0	3,543	3,543	
37.0%	0	3,525	3,525	
38.3%	0	3,469	3,469	
39.5%	0	3,444	3,444	
40.7%	0	3,375	3,375	
42.0%	0	3,368	3,368	
43.2%	0	3,300	3,300	
44.4%	0	3,300	3,300	
45.7%	0	3,282	3,282	
46.9%	0	3,157	3,157	
48.1%	0	3,116	3,116	
49.4%	0	2,917	2,917	
50.6%	0	2,830	2,830	
51.9%	0	2,388	2,388	
53.1%	0	2,375	2,375	
54.3%	0	2,170	2,170	
55.6%	0	2,025	2,025	
56.8%	0	1,594	1,594	
58.0%	0	1,508	1,508	
59.3%	0	1,404	1,404	
60.5%	0	920	920	
61.7%	0	646	646	
63.0%	0	526	526	
64.2%	0	503	503	
65.4%	0	271	271	
66.7%	0	177	177	
67.9%	0	143	143	
69.1%	0	143	143	
70.4%	0	71	71	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,536	4,536	
7.4%	0	4,521	4,521	
8.6%	0	4,412	4,412	
9.9%	0	4,388	4,388	
11.1%	0	4,225	4,225	
12.3%	0	4,225	4,225	
13.6%	0	4,225	4,225	
14.8%	0	4,225	4,225	
16.0%	0	4,065	4,065	
17.3%	0	4,063	4,063	
18.5%	0	4,063	4,063	
19.8%	0	4,063	4,063	
21.0%	0	3,909	3,909	
22.2%	0	3,909	3,909	
23.5%	0	3,900	3,900	
24.7%	0	3,900	3,900	
25.9%	0	3,900	3,900	
27.2%	0	3,900	3,900	
28.4%	0	3,900	3,900	
29.6%	0	3,900	3,900	
30.9%	0	3,738	3,738	
32.1%	0	3,596	3,596	
33.3%	0	3,575	3,575	
34.6%	0	3,453	3,453	
35.8%	0	3,447	3,447	
37.0%	0	3,413	3,413	
38.3%	0	3,191	3,191	
39.5%	0	3,127	3,127	
40.7%	0	2,925	2,925	
42.0%	0	2,792	2,792	
43.2%	0	2,785	2,785	
44.4%	0	2,732	2,732	
45.7%	0	2,595	2,595	
46.9%	0	2,451	2,451	
48.1%	0	2,438	2,438	
49.4%	0	2,374	2,374	
50.6%	0	2,321	2,321	
51.9%	0	2,273	2,273	
53.1%	0	2,168	2,168	
54.3%	0	2,161	2,161	
55.6%	0	1,872	1,872	
56.8%	0	1,738	1,738	
58.0%	0	1,475	1,475	
59.3%	0	1,160	1,160	
60.5%	0	920	920	
61.7%	0	574	574	
63.0%	0	514	514	
64.2%	0	207	207	
65.4%	0	117	117	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,403	5,403	
4.9%	0	5,286	5,286	
6.2%	0	5,286	5,286	
7.4%	0	5,278	5,278	
8.6%	0	5,243	5,243	
9.9%	0	4,908	4,908	
11.1%	0	4,908	4,908	
12.3%	0	4,776	4,776	
13.6%	0	4,531	4,531	
14.8%	0	4,478	4,478	
16.0%	0	4,413	4,413	
17.3%	0	4,342	4,342	
18.5%	0	4,002	4,002	
19.8%	0	3,964	3,964	
21.0%	0	3,437	3,437	
22.2%	0	3,179	3,179	
23.5%	0	3,083	3,083	
24.7%	0	2,976	2,976	
25.9%	0	2,917	2,917	
27.2%	0	2,673	2,673	
28.4%	0	2,573	2,573	
29.6%	0	2,545	2,545	
30.9%	0	2,496	2,496	
32.1%	0	2,475	2,475	
33.3%	0	2,219	2,219	
34.6%	0	2,071	2,071	
35.8%	0	1,987	1,987	
37.0%	0	1,980	1,980	
38.3%	0	1,481	1,481	
39.5%	0	1,049	1,049	
40.7%	0	873	873	
42.0%	0	807	807	
43.2%	0	577	577	
44.4%	0	560	560	
45.7%	0	545	545	
46.9%	0	326	326	
48.1%	0	289	289	
49.4%	0	178	178	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,652	3,652	
1.2%	0	3,512	3,512	
2.5%	0	3,362	3,362	
3.7%	0	2,751	2,751	
4.9%	0	2,544	2,544	
6.2%	0	2,450	2,450	
7.4%	0	2,032	2,032	
8.6%	0	1,964	1,964	
9.9%	0	1,516	1,516	
11.1%	0	1,418	1,418	
12.3%	0	1,342	1,342	
13.6%	0	534	534	
14.8%	0	323	323	
16.0%	0	184	184	
17.3%	0	9	9	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,059	3,059	
1.2%	0	1,829	1,829	
2.5%	0	1,295	1,295	
3.7%	0	600	600	
4.9%	0	190	190	
6.2%	0	134	134	
7.4%	0	78	78	
8.6%	0	78	78	
9.9%	0	78	78	
11.1%	0	78	78	
12.3%	0	78	78	
13.6%	0	78	78	
14.8%	0	78	78	
16.0%	0	78	78	
17.3%	0	78	78	
18.5%	0	78	78	
19.8%	0	78	78	
21.0%	0	78	78	
22.2%	0	78	78	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-3b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,935	1,935	
1.2%	0	1,654	1,654	
2.5%	0	182	182	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	235	235	
1.2%	0	190	190	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,305	1,305	
1.2%	0	1,072	1,072	
2.5%	0	873	873	
3.7%	0	871	871	
4.9%	0	869	869	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	117	117	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	882	882	
1.2%	0	867	867	
2.5%	0	197	197	
3.7%	0	197	197	
4.9%	0	197	197	
6.2%	0	197	197	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-3a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	116	55	15	0	0	0	162	235	1,170	1,319	240	141
Difference	116	55	15	0	0	0	162	235	1,170	1,319	240	141
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	275	139	36	0	0	0	42	76	996	1,319	256	328
Difference	275	139	36	0	0	0	42	76	996	1,319	256	328
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	43	40	24	0	0	0	0	126	1,481	1,703	259	154
Difference	43	40	24	0	0	0	0	126	1,481	1,703	259	154
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	112	17	0	0	0	0	0	260	1,086	1,600	425	79
Difference	112	17	0	0	0	0	0	260	1,086	1,600	425	79
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7	8	0	0	0	0	167	320	1,323	1,164	223	2
Difference	7	8	0	0	0	0	167	320	1,323	1,164	223	2
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	14	0	0	0	0	0	764	533	1,105	840	0	5
Difference	14	0	0	0	0	0	764	533	1,105	840	0	5
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

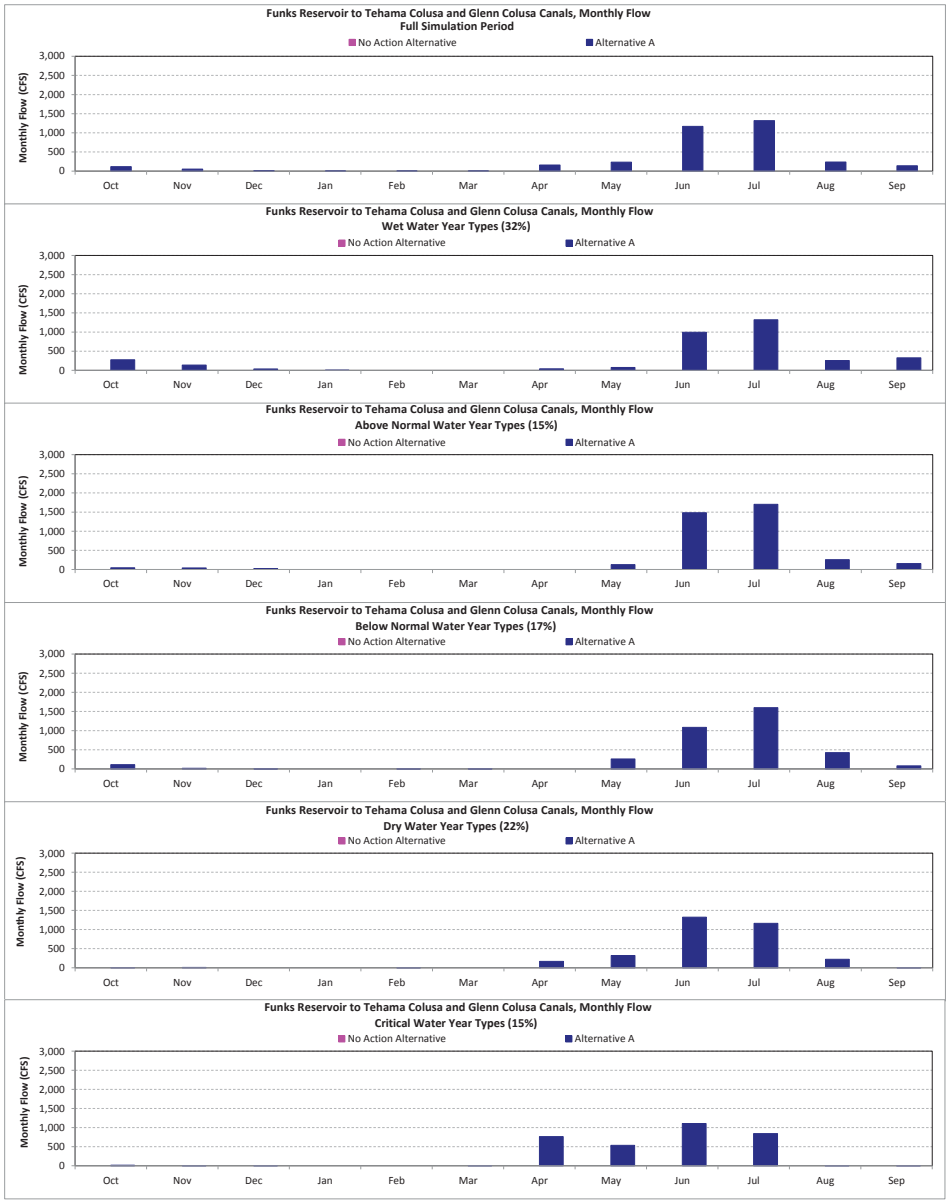

Figure OP-05-3b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

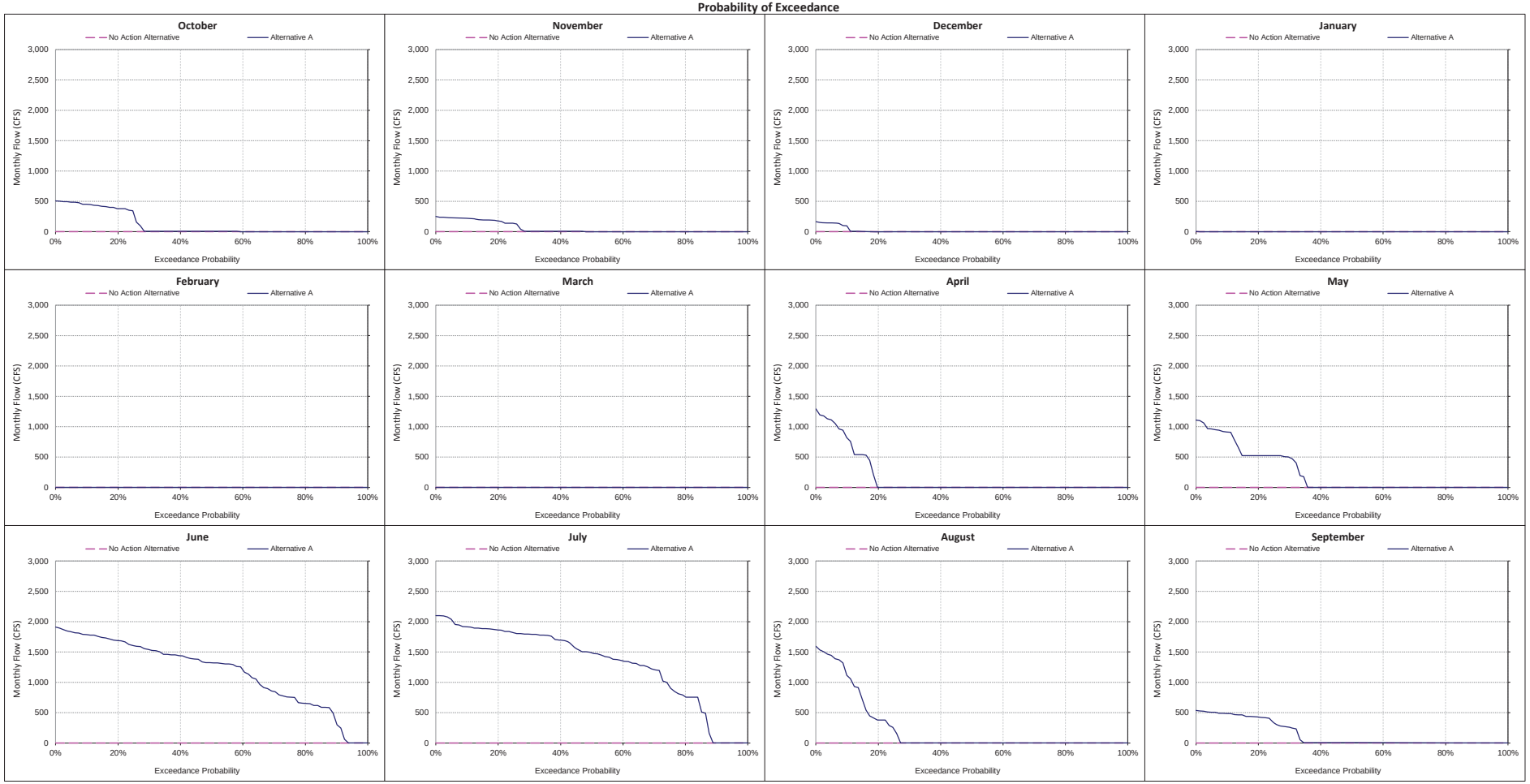

Table OP-05-3b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	509	509	
1.2%	0	504	504	
2.5%	0	495	495	
3.7%	0	495	495	
4.9%	0	486	486	
6.2%	0	485	485	
7.4%	0	478	478	
8.6%	0	451	451	
9.9%	0	450	450	
11.1%	0	447	447	
12.3%	0	435	435	
13.6%	0	429	429	
14.8%	0	415	415	
16.0%	0	412	412	
17.3%	0	399	399	
18.5%	0	398	398	
19.8%	0	377	377	
21.0%	0	377	377	
22.2%	0	377	377	
23.5%	0	354	354	
24.7%	0	346	346	
25.9%	0	158	158	
27.2%	0	96	96	
28.4%	0	7	7	
29.6%	0	7	7	
30.9%	0	7	7	
32.1%	0	7	7	
33.3%	0	7	7	
34.6%	0	7	7	
35.8%	0	7	7	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	7	7	
40.7%	0	7	7	
42.0%	0	7	7	
43.2%	0	7	7	
44.4%	0	7	7	
45.7%	0	7	7	
46.9%	0	7	7	
48.1%	0	7	7	
49.4%	0	7	7	
50.6%	0	7	7	
51.9%	0	7	7	
53.1%	0	7	7	
54.3%	0	7	7	
55.6%	0	7	7	
56.8%	0	7	7	
58.0%	0	7	7	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	249	249	
1.2%	0	237	237	
2.5%	0	236	236	
3.7%	0	230	230	
4.9%	0	230	230	
6.2%	0	227	227	
7.4%	0	226	226	
8.6%	0	221	221	
9.9%	0	221	221	
11.1%	0	217	217	
12.3%	0	213	213	
13.6%	0	201	201	
14.8%	0	194	194	
16.0%	0	191	191	
17.3%	0	191	191	
18.5%	0	190	190	
19.8%	0	176	176	
21.0%	0	169	169	
22.2%	0	138	138	
23.5%	0	138	138	
24.7%	0	138	138	
25.9%	0	127	127	
27.2%	0	42	42	
28.4%	0	5	5	
29.6%	0	5	5	
30.9%	0	5	5	
32.1%	0	5	5	
33.3%	0	5	5	
34.6%	0	5	5	
35.8%	0	5	5	
37.0%	0	5	5	
38.3%	0	5	5	
39.5%	0	5	5	
40.7%	0	5	5	
42.0%	0	5	5	
43.2%	0	5	5	
44.4%	0	5	5	
45.7%	0	5	5	
46.9%	0	5	5	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	163	163	
1.2%	0	153	153	
2.5%	0	149	149	
3.7%	0	144	144	
4.9%	0	144	144	
6.2%	0	142	142	
7.4%	0	136	136	
8.6%	0	102	102	
9.9%	0	96	96	
11.1%	0	4	4	
12.3%	0	4	4	
13.6%	0	4	4	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3	3	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-3b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2	2	
1.2%	0	2	2	
2.5%	0	2	2	
3.7%	0	2	2	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1	1	
1.2%	0	1	1	
2.5%	0	1	1	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,294	1,294	
1.2%	0	1,194	1,194	
2.5%	0	1,176	1,176	
3.7%	0	1,131	1,131	
4.9%	0	1,113	1,113	
6.2%	0	1,054	1,054	
7.4%	0	965	965	
8.6%	0	942	942	
9.9%	0	820	820	
11.1%	0	760	760	
12.3%	0	540	540	
13.6%	0	540	540	
14.8%	0	537	537	
16.0%	0	530	530	
17.3%	0	447	447	
18.5%	0	200	200	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,108	1,108	
1.2%	0	1,100	1,100	
2.5%	0	1,063	1,063	
3.7%	0	967	967	
4.9%	0	963	963	
6.2%	0	952	952	
7.4%	0	942	942	
8.6%	0	920	920	
9.9%	0	912	912	
11.1%	0	906	906	
12.3%	0	785	785	
13.6%	0	659	659	
14.8%	0	523	523	
16.0%	0	523	523	
17.3%	0	523	523	
18.5%	0	523	523	
19.8%	0	523	523	
21.0%	0	523	523	
22.2%	0	523	523	
23.5%	0	523	523	
24.7%	0	523	523	
25.9%	0	523	523	
27.2%	0	523	523	
28.4%	0	507	507	
29.6%	0	500	500	
30.9%	0	473	473	
32.1%	0	405	405	
33.3%	0	194	194	
34.6%	0	177	177	
35.8%	0	1	1	
37.0%	0	1	1	
38.3%	0	1	1	
39.5%	0	1	1	
40.7%	0	1	1	
42.0%	0	1	1	
43.2%	0	1	1	
44.4%	0	1	1	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-3b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,910	1,910	
1.2%	0	1,894	1,894	
2.5%	0	1,868	1,868	
3.7%	0	1,847	1,847	
4.9%	0	1,833	1,833	
6.2%	0	1,818	1,818	
7.4%	0	1,813	1,813	
8.6%	0	1,791	1,791	
9.9%	0	1,785	1,785	
11.1%	0	1,779	1,779	
12.3%	0	1,777	1,777	
13.6%	0	1,756	1,756	
14.8%	0	1,742	1,742	
16.0%	0	1,733	1,733	
17.3%	0	1,712	1,712	
18.5%	0	1,696	1,696	
19.8%	0	1,689	1,689	
21.0%	0	1,682	1,682	
22.2%	0	1,667	1,667	
23.5%	0	1,623	1,623	
24.7%	0	1,605	1,605	
25.9%	0	1,594	1,594	
27.2%	0	1,589	1,589	
28.4%	0	1,557	1,557	
29.6%	0	1,541	1,541	
30.9%	0	1,524	1,524	
32.1%	0	1,521	1,521	
33.3%	0	1,506	1,506	
34.6%	0	1,463	1,463	
35.8%	0	1,461	1,461	
37.0%	0	1,453	1,453	
38.3%	0	1,451	1,451	
39.5%	0	1,439	1,439	
40.7%	0	1,437	1,437	
42.0%	0	1,410	1,410	
43.2%	0	1,394	1,394	
44.4%	0	1,385	1,385	
45.7%	0	1,379	1,379	
46.9%	0	1,337	1,337	
48.1%	0	1,326	1,326	
49.4%	0	1,326	1,326	
50.6%	0	1,322	1,322	
51.9%	0	1,320	1,320	
53.1%	0	1,309	1,309	
54.3%	0	1,305	1,305	
55.6%	0	1,301	1,301	
56.8%	0	1,294	1,294	
58.0%	0	1,261	1,261	
59.3%	0	1,254	1,254	
60.5%	0	1,168	1,168	
61.7%	0	1,138	1,138	
63.0%	0	1,075	1,075	
64.2%	0	1,055	1,055	
65.4%	0	965	965	
66.7%	0	915	915	
67.9%	0	896	896	
69.1%	0	858	858	
70.4%	0	844	844	
71.6%	0	793	793	
72.8%	0	779	779	
74.1%	0	760	760	
75.3%	0	755	755	
76.5%	0	751	751	
77.8%	0	666	666	
79.0%	0	656	656	
80.2%	0	651	651	
81.5%	0	648	648	
82.7%	0	620	620	
84.0%	0	617	617	
85.2%	0	590	590	
86.4%	0	586	586	
87.7%	0	582	582	
88.9%	0	492	492	
90.1%	0	300	300	
91.4%	0	246	246	
92.6%	0	61	61	
93.8%	0	1	1	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,098	2,098	
1.2%	0	2,098	2,098	
2.5%	0	2,094	2,094	
3.7%	0	2,077	2,077	
4.9%	0	2,041	2,041	
6.2%	0	1,955	1,955	
7.4%	0	1,946	1,946	
8.6%	0	1,919	1,919	
9.9%	0	1,913	1,913	
11.1%	0	1,912	1,912	
12.3%	0	1,893	1,893	
13.6%	0	1,892	1,892	
14.8%	0	1,887	1,887	
16.0%	0	1,884	1,884	
17.3%	0	1,881	1,881	
18.5%	0	1,872	1,872	
19.8%	0	1,863	1,863	
21.0%	0	1,860	1,860	
22.2%	0	1,837	1,837	
23.5%	0	1,836	1,836	
24.7%	0	1,823	1,823	
25.9%	0	1,804	1,804	
27.2%	0	1,803	1,803	
28.4%	0	1,796	1,796	
29.6%	0	1,795	1,795	
30.9%	0	1,792	1,792	
32.1%	0	1,791	1,791	
33.3%	0	1,777	1,777	
34.6%	0	1,777	1,777	
35.8%	0	1,773	1,773	
37.0%	0	1,759	1,759	
38.3%	0	1,707	1,707	
39.5%	0	1,696	1,696	
40.7%	0	1,694	1,694	
42.0%	0	1,676	1,676	
43.2%	0	1,638	1,638	
44.4%	0	1,578	1,578	
45.7%	0	1,537	1,537	
46.9%	0	1,506	1,506	
48.1%	0	1,505	1,505	
49.4%	0	1,496	1,496	
50.6%	0	1,472	1,472	
51.9%	0	1,468	1,468	
53.1%	0	1,447	1,447	
54.3%	0	1,423	1,423	
55.6%	0	1,415	1,415	
56.8%	0	1,379	1,379	
58.0%	0	1,374	1,374	
59.3%	0	1,365	1,365	
60.5%	0	1,347	1,347	
61.7%	0	1,342	1,342	
63.0%	0	1,315	1,315	
64.2%	0	1,310	1,310	
65.4%	0	1,279	1,279	
66.7%	0	1,277	1,277	
67.9%	0	1,256	1,256	
69.1%	0	1,220	1,220	
70.4%	0	1,206	1,206	
71.6%	0	1,197	1,197	
72.8%	0	1,022	1,022	
74.1%	0	1,000	1,000	
75.3%	0	902	902	
76.5%	0	851	851	
77.8%	0	811	811	
79.0%	0	796	796	
80.2%	0	756	756	
81.5%	0	756	756	
82.7%	0	756	756	
84.0%	0	756	756	
85.2%	0	511	511	
86.4%	0	489	489	
87.7%	0	162	162	
88.9%	0	2	2	
90.1%	0	2	2	
91.4%	0	2	2	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,593	1,593	
1.2%	0	1,532	1,532	
2.5%	0	1,503	1,503	
3.7%	0	1,467	1,467	
4.9%	0	1,443	1,443	
6.2%	0	1,389	1,389	
7.4%	0	1,370	1,370	
8.6%	0	1,318	1,318	
9.9%	0	1,116	1,116	
11.1%	0	1,060	1,060	
12.3%	0	931	931	
13.6%	0	914	914	
14.8%	0	724	724	
16.0%	0	542	542	
17.3%	0	447	447	
18.5%	0	413	413	
19.8%	0	377	377	
21.0%	0	377	377	
22.2%	0	377	377	
23.5%	0	290	290	
24.7%	0	259	259	
25.9%	0	157	157	
27.2%	0	3	3	
28.4%	0	3	3	
29.6%	0	3	3	
30.9%	0	3	3	
32.1%	0	3	3	
33.3%	0	3	3	
34.6%	0	3	3	
35.8%	0	3	3	
37.0%	0	3	3	
38.3%	0	3	3	
39.5%	0	3	3	
40.7%	0	3	3	
42.0%	0	3	3	
43.2%	0	3	3	
44.4%	0	3	3	
45.7%	0	3	3	
46.9%	0	3	3	
48.1%	0	3	3	
49.4%	0	3	3	
50.6%	0	3	3	
51.9%	0	3	3	
53.1%	0	3	3	
54.3%	0	3	3	
55.6%	0	3	3	
56.8%	0	3	3	
58.0%	0	3	3	
59.3%	0	3	3	
60.5%	0	3	3	
61.7%	0	3	3	
63.0%	0	3	3	
64.2%	0	3	3	
65.4%	0	3	3	
66.7%	0	3	3	
67.9%	0	3	3	
69.1%	0	3	3	
70.4%	0	3	3	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	535	535	
1.2%	0	529	529	
2.5%	0	522	522	
3.7%	0	510	510	
4.9%	0	506	506	
6.2%	0	506	506	
7.4%	0	490	490	
8.6%	0	489	489	
9.9%	0	486	486	
11.1%	0	484	484	
12.3%	0	469	469	
13.6%	0	465	465	
14.8%	0	464	464	
16.0%	0	440	440	
17.3%	0	439	439	
18.5%	0	435	435	
19.8%	0	431	431	
21.0%	0	423	423	
22.2%	0	415	415	
23.5%	0	408	408	
24.7%	0	345	345	
25.9%	0	303	303	
27.2%	0	278	278	
28.4%	0	269	269	
29.6%	0	261	261	
30.9%	0	247	247	
32.1%	0	231	231	
33.3%	0	53	53	
34.6%	0	5	5	
35.8%	0	5	5	
37.0%	0	5	5	
38.3%	0	5	5	
39.5%	0	5	5	
40.7%	0	5	5	
42.0%	0	5	5	
43.2%	0	5	5	
44.4%	0	5	5	
45.7%	0	5	5	
46.9%	0	5	5	
48.1%	0	5	5	
49.4%	0	5	5	
50.6%	0	5	5	
51.9%	0	5	5	
53.1%	0	5	5	
54.3%	0	5	5	
55.6%	0	5	5	
56.8%	0	5	5	
58.0%	0	5	5	
59.3%	0	5	5	
60.5%	0	5	5	
61.7%	0	5	5	
63.0%	0	5	5	
64.2%	0	5	5	
65.4%	0	5	5	
66.7%	0	5	5	
67.9%	0	5	5	
69.1%	0	5	5	
70.4%	0	5	5	
71.6%	0	5	5	
72.8%	0	5	5	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-3a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	806	793	100	8	37	84	318	301	315	795	835	1,025
Difference	806	793	100	8	37	84	318	301	315	795	835	1,025
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	934	1,214	57	2	0	0	0	0	38	641	457	1,192
Difference	934	1,214	57	2	0	0	0	0	38	641	457	1,192
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	847	1,116	106	0	0	0	0	0	114	987	806	1,178
Difference	847	1,116	106	0	0	0	0	0	114	987	806	1,178
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	634	491	190	0	122	34	0	0	560	1,155	953	708
Difference	634	491	190	0	122	34	0	0	560	1,155	953	708
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	867	547	70	0	32	83	961	969	572	789	1,287	1,090
Difference	867	547	70	0	32	83	961	969	572	789	1,287	1,090
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	597	277	125	50	63	409	729	602	447	525	865	781
Difference	597	277	125	50	63	409	729	602	447	525	865	781
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

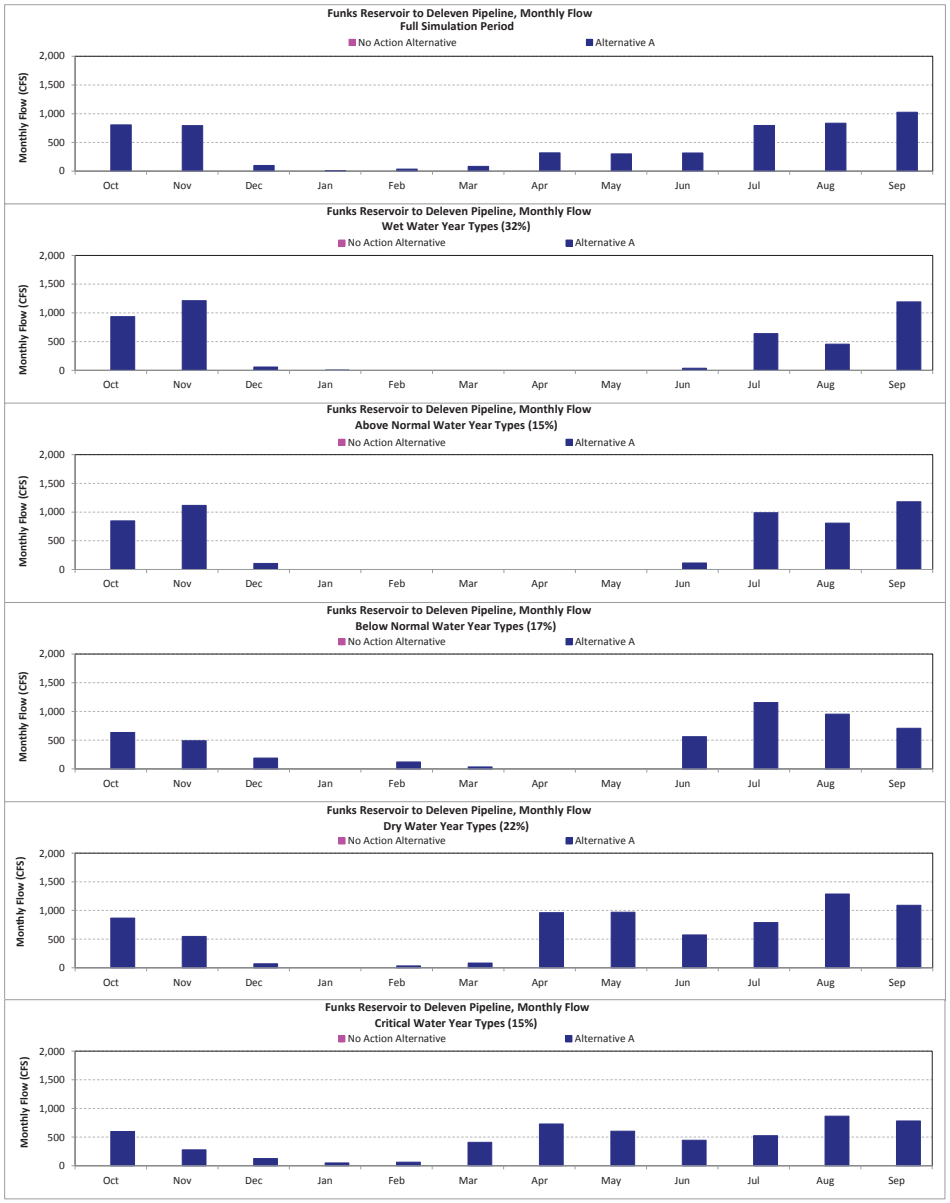

Figure OP-06-3b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

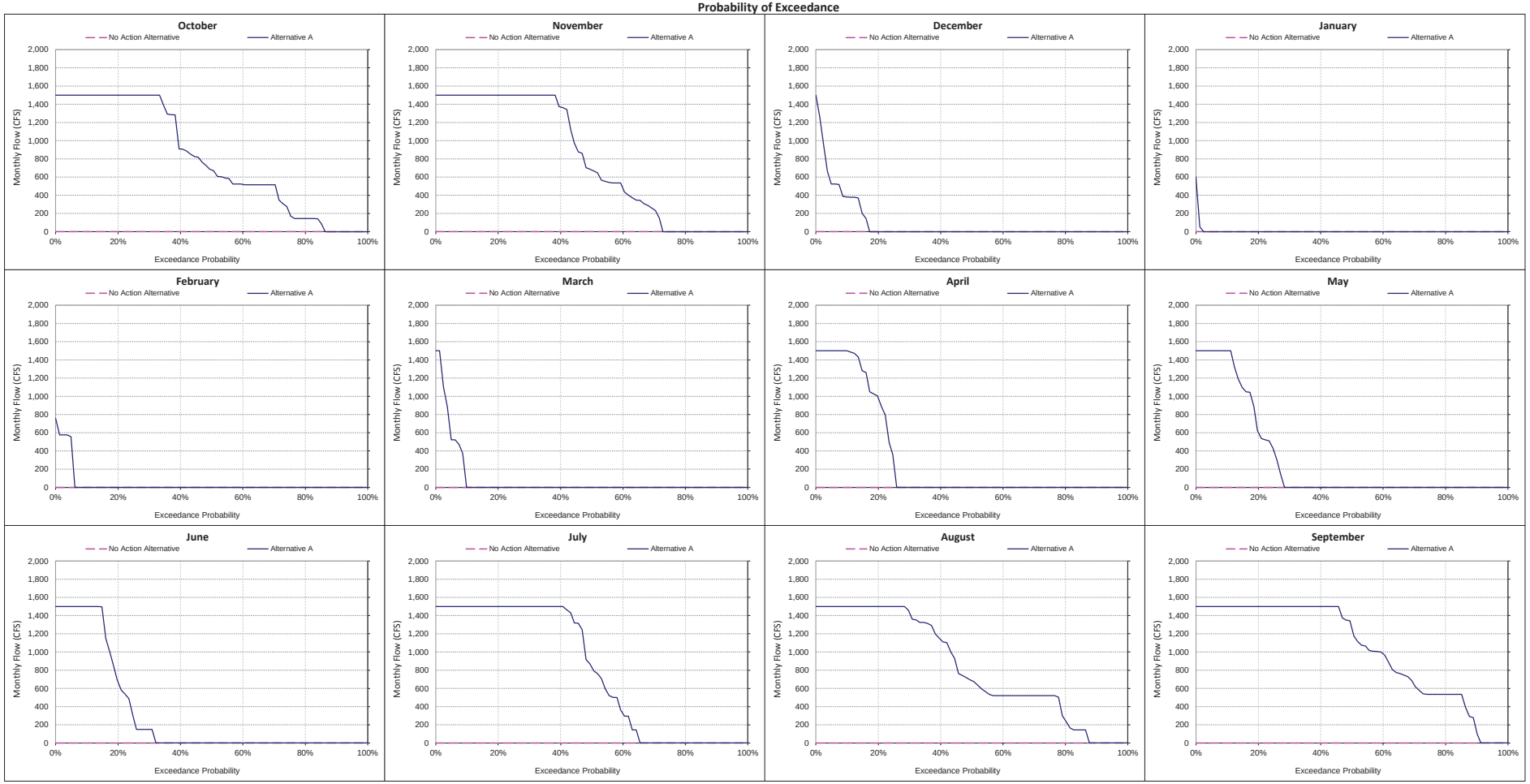

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,391	1,391	
35.8%	0	1,292	1,292	
37.0%	0	1,285	1,285	
38.3%	0	1,282	1,282	
39.5%	0	910	910	
40.7%	0	906	906	
42.0%	0	888	888	
43.2%	0	853	853	
44.4%	0	825	825	
45.7%	0	818	818	
46.9%	0	764	764	
48.1%	0	730	730	
49.4%	0	686	686	
50.6%	0	668	668	
51.9%	0	607	607	
53.1%	0	602	602	
54.3%	0	590	590	
55.6%	0	584	584	
56.8%	0	523	523	
58.0%	0	523	523	
59.3%	0	523	523	
60.5%	0	516	516	
61.7%	0	516	516	
63.0%	0	516	516	
64.2%	0	516	516	
65.4%	0	516	516	
66.7%	0	516	516	
67.9%	0	516	516	
69.1%	0	516	516	
70.4%	0	516	516	
71.6%	0	346	346	
72.8%	0	307	307	
74.1%	0	276	276	
75.3%	0	169	169	
76.5%	0	145	145	
77.8%	0	145	145	
79.0%	0	145	145	
80.2%	0	145	145	
81.5%	0	145	145	
82.7%	0	145	145	
84.0%	0	142	142	
85.2%	0	88	88	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,373	1,373	
40.7%	0	1,362	1,362	
42.0%	0	1,343	1,343	
43.2%	0	1,120	1,120	
44.4%	0	971	971	
45.7%	0	877	877	
46.9%	0	860	860	
48.1%	0	703	703	
49.4%	0	686	686	
50.6%	0	667	667	
51.9%	0	648	648	
53.1%	0	565	565	
54.3%	0	552	552	
55.6%	0	540	540	
56.8%	0	535	535	
58.0%	0	535	535	
59.3%	0	535	535	
60.5%	0	434	434	
61.7%	0	402	402	
63.0%	0	371	371	
64.2%	0	348	348	
65.4%	0	344	344	
66.7%	0	310	310	
67.9%	0	290	290	
69.1%	0	261	261	
70.4%	0	232	232	
71.6%	0	150	150	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,257	1,257	
2.5%	0	945	945	
3.7%	0	667	667	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	518	518	
8.6%	0	386	386	
9.9%	0	381	381	
11.1%	0	378	378	
12.3%	0	378	378	
13.6%	0	370	370	
14.8%	0	203	203	
16.0%	0	145	145	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	602	602	
1.2%	0	54	54	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	755	755	
1.2%	0	576	576	
2.5%	0	576	576	
3.7%	0	576	576	
4.9%	0	556	556	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,104	1,104	
3.7%	0	885	885	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	472	472	
8.6%	0	374	374	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,485	1,485	
12.3%	0	1,471	1,471	
13.6%	0	1,432	1,432	
14.8%	0	1,280	1,280	
16.0%	0	1,261	1,261	
17.3%	0	1,051	1,051	
18.5%	0	1,028	1,028	
19.8%	0	1,003	1,003	
21.0%	0	891	891	
22.2%	0	793	793	
23.5%	0	491	491	
24.7%	0	361	361	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,326	1,326	
13.6%	0	1,189	1,189	
14.8%	0	1,098	1,098	
16.0%	0	1,050	1,050	
17.3%	0	1,043	1,043	
18.5%	0	890	890	
19.8%	0	623	623	
21.0%	0	538	538	
22.2%	0	523	523	
23.5%	0	511	511	
24.7%	0	428	428	
25.9%	0	298	298	
27.2%	0	145	145	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-3b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,497	1,497	
16.0%	0	1,150	1,150	
17.3%	0	1,003	1,003	
18.5%	0	859	859	
19.8%	0	692	692	
21.0%	0	584	584	
22.2%	0	539	539	
23.5%	0	486	486	
24.7%	0	305	305	
25.9%	0	150	150	
27.2%	0	150	150	
28.4%	0	150	150	
29.6%	0	150	150	
30.9%	0	150	150	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,462	1,462	
43.2%	0	1,432	1,432	
44.4%	0	1,320	1,320	
45.7%	0	1,315	1,315	
46.9%	0	1,247	1,247	
48.1%	0	916	916	
49.4%	0	867	867	
50.6%	0	793	793	
51.9%	0	764	764	
53.1%	0	708	708	
54.3%	0	595	595	
55.6%	0	520	520	
56.8%	0	500	500	
58.0%	0	500	500	
59.3%	0	363	363	
60.5%	0	296	296	
61.7%	0	295	295	
63.0%	0	145	145	
64.2%	0	145	145	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,459	1,459	
30.9%	0	1,359	1,359	
32.1%	0	1,353	1,353	
33.3%	0	1,327	1,327	
34.6%	0	1,326	1,326	
35.8%	0	1,314	1,314	
37.0%	0	1,291	1,291	
38.3%	0	1,196	1,196	
39.5%	0	1,155	1,155	
40.7%	0	1,112	1,112	
42.0%	0	1,103	1,103	
43.2%	0	1,003	1,003	
44.4%	0	927	927	
45.7%	0	762	762	
46.9%	0	744	744	
48.1%	0	722	722	
49.4%	0	695	695	
50.6%	0	675	675	
51.9%	0	635	635	
53.1%	0	595	595	
54.3%	0	566	566	
55.6%	0	534	534	
56.8%	0	519	519	
58.0%	0	519	519	
59.3%	0	519	519	
60.5%	0	519	519	
61.7%	0	519	519	
63.0%	0	519	519	
64.2%	0	519	519	
65.4%	0	519	519	
66.7%	0	519	519	
67.9%	0	519	519	
69.1%	0	519	519	
70.4%	0	519	519	
71.6%	0	519	519	
72.8%	0	519	519	
74.1%	0	519	519	
75.3%	0	519	519	
76.5%	0	519	519	
77.8%	0	503	503	
79.0%	0	298	298	
80.2%	0	233	233	
81.5%	0	163	163	
82.7%	0	145	145	
84.0%	0	145	145	
85.2%	0	145	145	
86.4%	0	145	145	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,373	1,373	
48.1%	0	1,351	1,351	
49.4%	0	1,341	1,341	
50.6%	0	1,177	1,177	
51.9%	0	1,113	1,113	
53.1%	0	1,075	1,075	
54.3%	0	1,065	1,065	
55.6%	0	1,016	1,016	
56.8%	0	1,010	1,010	
58.0%	0	1,006	1,006	
59.3%	0	999	999	
60.5%	0	965	965	
61.7%	0	886	886	
63.0%	0	810	810	
64.2%	0	775	775	
65.4%	0	763	763	
66.7%	0	747	747	
67.9%	0	728	728	
69.1%	0	685	685	
70.4%	0	618	618	
71.6%	0	576	576	
72.8%	0	540	540	
74.1%	0	535	535	
75.3%	0	535	535	
76.5%	0	535	535	
77.8%	0	535	535	
79.0%	0	535	535	
80.2%	0	535	535	
81.5%	0	535	535	
82.7%	0	535	535	
84.0%	0	535	535	
85.2%	0	535	535	
86.4%	0	392	392	
87.7%	0	293	293	
88.9%	0	279	279	
90.1%	0	97	97	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-3a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	922	847	115	8	37	84	423	470	799	1,651	1,075	1,166
Difference	922	847	115	8	37	84	423	470	799	1,651	1,075	1,166
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	1,210	1,353	93	2	0	0	42	76	332	1,638	713	1,520
Difference	1,210	1,353	93	2	0	0	42	76	332	1,638	713	1,520
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	891	1,156	131	0	0	0	0	126	925	2,263	1,065	1,332
Difference	891	1,156	131	0	0	0	0	126	925	2,263	1,065	1,332
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	746	508	190	0	123	34	0	260	1,172	2,515	1,378	787
Difference	746	508	190	0	123	34	0	260	1,172	2,515	1,378	787
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	874	556	70	0	32	83	1,116	1,217	1,168	1,284	1,510	1,092
Difference	874	556	70	0	32	83	1,116	1,217	1,168	1,284	1,510	1,092
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	611	277	125	50	63	409	1,128	793	697	608	866	785
Difference	611	277	125	50	63	409	1,128	793	697	608	866	785
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

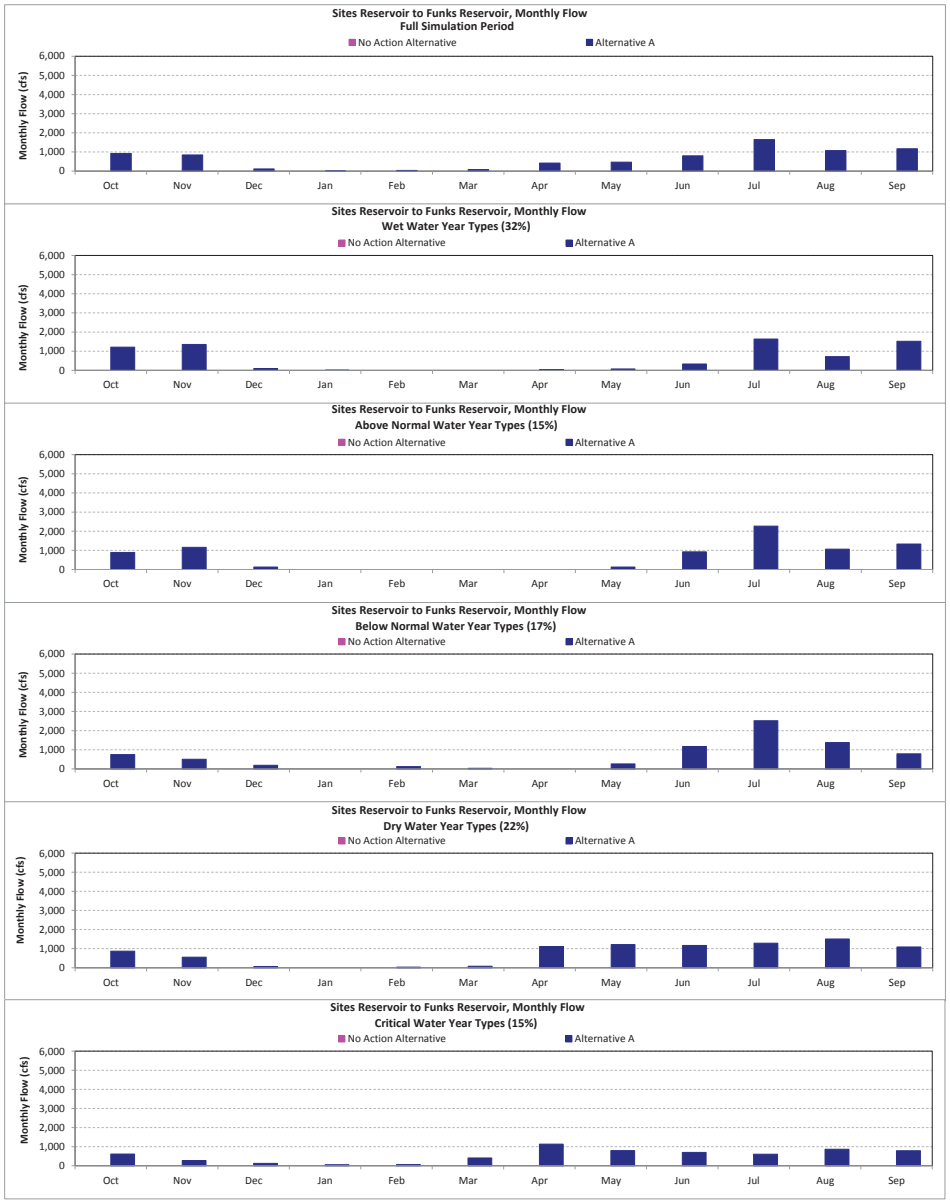

Figure OP-07-3b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

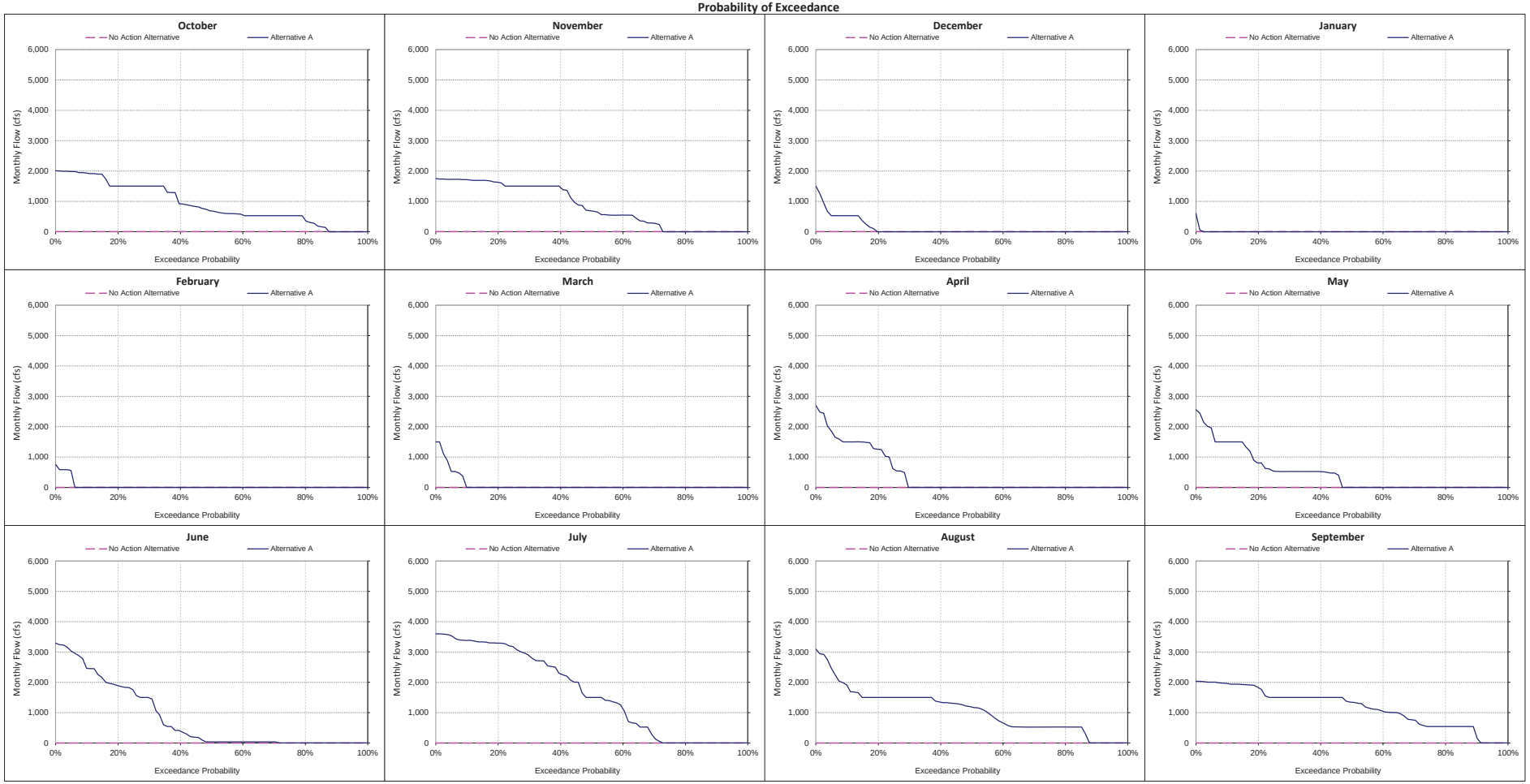

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,009	2,009	
1.2%	0	1,995	1,995	
2.5%	0	1,995	1,995	
3.7%	0	1,986	1,986	
4.9%	0	1,985	1,985	
6.2%	0	1,978	1,978	
7.4%	0	1,951	1,951	
8.6%	0	1,950	1,950	
9.9%	0	1,929	1,929	
11.1%	0	1,915	1,915	
12.3%	0	1,912	1,912	
13.6%	0	1,899	1,899	
14.8%	0	1,898	1,898	
16.0%	0	1,737	1,737	
17.3%	0	1,507	1,507	
18.5%	0	1,507	1,507	
19.8%	0	1,507	1,507	
21.0%	0	1,507	1,507	
22.2%	0	1,507	1,507	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,299	1,299	
37.0%	0	1,289	1,289	
38.3%	0	1,285	1,285	
39.5%	0	917	917	
40.7%	0	913	913	
42.0%	0	888	888	
43.2%	0	860	860	
44.4%	0	832	832	
45.7%	0	818	818	
46.9%	0	764	764	
48.1%	0	737	737	
49.4%	0	693	693	
50.6%	0	668	668	
51.9%	0	649	649	
53.1%	0	609	609	
54.3%	0	607	607	
55.6%	0	597	597	
56.8%	0	592	592	
58.0%	0	590	590	
59.3%	0	580	580	
60.5%	0	523	523	
61.7%	0	523	523	
63.0%	0	523	523	
64.2%	0	523	523	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	346	346	
81.5%	0	307	307	
82.7%	0	276	276	
84.0%	0	184	184	
85.2%	0	158	158	
86.4%	0	142	142	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,749	1,749	
1.2%	0	1,737	1,737	
2.5%	0	1,736	1,736	
3.7%	0	1,727	1,727	
4.9%	0	1,726	1,726	
6.2%	0	1,721	1,721	
7.4%	0	1,721	1,721	
8.6%	0	1,717	1,717	
9.9%	0	1,713	1,713	
11.1%	0	1,701	1,701	
12.3%	0	1,694	1,694	
13.6%	0	1,691	1,691	
14.8%	0	1,691	1,691	
16.0%	0	1,690	1,690	
17.3%	0	1,676	1,676	
18.5%	0	1,638	1,638	
19.8%	0	1,627	1,627	
21.0%	0	1,603	1,603	
22.2%	0	1,505	1,505	
23.5%	0	1,505	1,505	
24.7%	0	1,505	1,505	
25.9%	0	1,505	1,505	
27.2%	0	1,505	1,505	
28.4%	0	1,505	1,505	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,385	1,385	
42.0%	0	1,362	1,362	
43.2%	0	1,120	1,120	
44.4%	0	976	976	
45.7%	0	877	877	
46.9%	0	860	860	
48.1%	0	703	703	
49.4%	0	686	686	
50.6%	0	671	671	
51.9%	0	648	648	
53.1%	0	565	565	
54.3%	0	557	557	
55.6%	0	540	540	
56.8%	0	540	540	
58.0%	0	540	540	
59.3%	0	540	540	
60.5%	0	540	540	
61.7%	0	540	540	
63.0%	0	540	540	
64.2%	0	439	439	
65.4%	0	352	352	
66.7%	0	348	348	
67.9%	0	290	290	
69.1%	0	288	288	
70.4%	0	266	266	
71.6%	0	232	232	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,504	1,504	
1.2%	0	1,257	1,257	
2.5%	0	946	946	
3.7%	0	671	671	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	523	523	
8.6%	0	523	523	
9.9%	0	523	523	
11.1%	0	523	523	
12.3%	0	523	523	
13.6%	0	523	523	
14.8%	0	366	366	
16.0%	0	247	247	
17.3%	0	149	149	
18.5%	0	96	96	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	602	602	
1.2%	0	56	56	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	755	755	
1.2%	0	579	579	
2.5%	0	579	579	
3.7%	0	579	579	
4.9%	0	559	559	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,501	1,501	
1.2%	0	1,500	1,500	
2.5%	0	1,104	1,104	
3.7%	0	885	885	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	472	472	
8.6%	0	375	375	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,694	2,694	
1.2%	0	2,486	2,486	
2.5%	0	2,442	2,442	
3.7%	0	2,030	2,030	
4.9%	0	1,856	1,856	
6.2%	0	1,655	1,655	
7.4%	0	1,588	1,588	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,485	1,485	
17.3%	0	1,471	1,471	
18.5%	0	1,280	1,280	
19.8%	0	1,261	1,261	
21.0%	0	1,240	1,240	
22.2%	0	1,028	1,028	
23.5%	0	1,004	1,004	
24.7%	0	620	620	
25.9%	0	540	540	
27.2%	0	540	540	
28.4%	0	492	492	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,563	2,563	
1.2%	0	2,452	2,452	
2.5%	0	2,143	2,143	
3.7%	0	2,011	2,011	
4.9%	0	1,957	1,957	
6.2%	0	1,501	1,501	
7.4%	0	1,501	1,501	
8.6%	0	1,501	1,501	
9.9%	0	1,501	1,501	
11.1%	0	1,501	1,501	
12.3%	0	1,501	1,501	
13.6%	0	1,501	1,501	
14.8%	0	1,501	1,501	
16.0%	0	1,326	1,326	
17.3%	0	1,189	1,189	
18.5%	0	890	890	
19.8%	0	806	806	
21.0%	0	804	804	
22.2%	0	624	624	
23.5%	0	605	605	
24.7%	0	538	538	
25.9%	0	523	523	
27.2%	0	523	523	
28.4%	0	523	523	
29.6%	0	523	523	
30.9%	0	523	523	
32.1%	0	523	523	
33.3%	0	523	523	
34.6%	0	523	523	
35.8%	0	523	523	
37.0%	0	523	523	
38.3%	0	523	523	
39.5%	0	523	523	
40.7%	0	512	512	
42.0%	0	500	500	
43.2%	0	475	475	
44.4%	0	473	473	
45.7%	0	405	405	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-3b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,291	3,291	
1.2%	0	3,242	3,242	
2.5%	0	3,233	3,233	
3.7%	0	3,167	3,167	
4.9%	0	3,037	3,037	
6.2%	0	2,961	2,961	
7.4%	0	2,879	2,879	
8.6%	0	2,780	2,780	
9.9%	0	2,465	2,465	
11.1%	0	2,452	2,452	
12.3%	0	2,451	2,451	
13.6%	0	2,255	2,255	
14.8%	0	2,163	2,163	
16.0%	0	1,997	1,997	
17.3%	0	1,963	1,963	
18.5%	0	1,935	1,935	
19.8%	0	1,896	1,896	
21.0%	0	1,862	1,862	
22.2%	0	1,832	1,832	
23.5%	0	1,830	1,830	
24.7%	0	1,755	1,755	
25.9%	0	1,561	1,561	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,452	1,452	
32.1%	0	1,064	1,064	
33.3%	0	925	925	
34.6%	0	603	603	
35.8%	0	540	540	
37.0%	0	540	540	
38.3%	0	414	414	
39.5%	0	411	411	
40.7%	0	352	352	
42.0%	0	293	293	
43.2%	0	207	207	
44.4%	0	187	187	
45.7%	0	185	185	
46.9%	0	101	101	
48.1%	0	40	40	
49.4%	0	40	40	
50.6%	0	40	40	
51.9%	0	40	40	
53.1%	0	40	40	
54.3%	0	40	40	
55.6%	0	40	40	
56.8%	0	40	40	
58.0%	0	40	40	
59.3%	0	40	40	
60.5%	0	40	40	
61.7%	0	40	40	
63.0%	0	40	40	
64.2%	0	40	40	
65.4%	0	40	40	
66.7%	0	40	40	
67.9%	0	40	40	
69.1%	0	40	40	
70.4%	0	40	40	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,598	3,598	
1.2%	0	3,598	3,598	
2.5%	0	3,594	3,594	
3.7%	0	3,577	3,577	
4.9%	0	3,541	3,541	
6.2%	0	3,446	3,446	
7.4%	0	3,393	3,393	
8.6%	0	3,392	3,392	
9.9%	0	3,387	3,387	
11.1%	0	3,386	3,386	
12.3%	0	3,360	3,360	
13.6%	0	3,337	3,337	
14.8%	0	3,336	3,336	
16.0%	0	3,323	3,323	
17.3%	0	3,304	3,304	
18.5%	0	3,303	3,303	
19.8%	0	3,295	3,295	
21.0%	0	3,292	3,292	
22.2%	0	3,273	3,273	
23.5%	0	3,207	3,207	
24.7%	0	3,176	3,176	
25.9%	0	3,078	3,078	
27.2%	0	3,005	3,005	
28.4%	0	2,968	2,968	
29.6%	0	2,909	2,909	
30.9%	0	2,793	2,793	
32.1%	0	2,720	2,720	
33.3%	0	2,707	2,707	
34.6%	0	2,706	2,706	
35.8%	0	2,542	2,542	
37.0%	0	2,522	2,522	
38.3%	0	2,500	2,500	
39.5%	0	2,296	2,296	
40.7%	0	2,244	2,244	
42.0%	0	2,208	2,208	
43.2%	0	2,064	2,064	
44.4%	0	2,011	2,011	
45.7%	0	2,008	2,008	
46.9%	0	1,644	1,644	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,500	1,500	
54.3%	0	1,406	1,406	
55.6%	0	1,402	1,402	
56.8%	0	1,356	1,356	
58.0%	0	1,318	1,318	
59.3%	0	1,249	1,249	
60.5%	0	1,042	1,042	
61.7%	0	708	708	
63.0%	0	662	662	
64.2%	0	645	645	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	295	295	
70.4%	0	131	131	
71.6%	0	52	52	
72.8%	0	2	2	
74.1%	0	2	2	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,093	3,093	
1.2%	0	2,943	2,943	
2.5%	0	2,926	2,926	
3.7%	0	2,748	2,748	
4.9%	0	2,473	2,473	
6.2%	0	2,246	2,246	
7.4%	0	2,042	2,042	
8.6%	0	1,993	1,993	
9.9%	0	1,913	1,913	
11.1%	0	1,693	1,693	
12.3%	0	1,678	1,678	
13.6%	0	1,657	1,657	
14.8%	0	1,503	1,503	
16.0%	0	1,503	1,503	
17.3%	0	1,503	1,503	
18.5%	0	1,503	1,503	
19.8%	0	1,503	1,503	
21.0%	0	1,503	1,503	
22.2%	0	1,503	1,503	
23.5%	0	1,503	1,503	
24.7%	0	1,503	1,503	
25.9%	0	1,503	1,503	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,381	1,381	
39.5%	0	1,356	1,356	
40.7%	0	1,330	1,330	
42.0%	0	1,330	1,330	
43.2%	0	1,317	1,317	
44.4%	0	1,305	1,305	
45.7%	0	1,291	1,291	
46.9%	0	1,261	1,261	
48.1%	0	1,223	1,223	
49.4%	0	1,199	1,199	
50.6%	0	1,168	1,168	
51.9%	0	1,158	1,158	
53.1%	0	1,115	1,115	
54.3%	0	1,059	1,059	
55.6%	0	972	972	
56.8%	0	869	869	
58.0%	0	762	762	
59.3%	0	695	695	
60.5%	0	638	638	
61.7%	0	566	566	
63.0%	0	537	537	
64.2%	0	523	523	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	523	523	
81.5%	0	523	523	
82.7%	0	523	523	
84.0%	0	523	523	
85.2%	0	523	523	
86.4%	0	298	298	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative A Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,035	2,035	
1.2%	0	2,029	2,029	
2.5%	0	2,022	2,022	
3.7%	0	2,010	2,010	
4.9%	0	2,006	2,006	
6.2%	0	2,006	2,006	
7.4%	0	1,984	1,984	
8.6%	0	1,969	1,969	
9.9%	0	1,965	1,965	
11.1%	0	1,940	1,940	
12.3%	0	1,939	1,939	
13.6%	0	1,935	1,935	
14.8%	0	1,931	1,931	
16.0%	0	1,923	1,923	
17.3%	0	1,915	1,915	
18.5%	0	1,908	1,908	
19.8%	0	1,845	1,845	
21.0%	0	1,769	1,769	
22.2%	0	1,555	1,555	
23.5%	0	1,505	1,505	
24.7%	0	1,505	1,505	
25.9%	0	1,505	1,505	
27.2%	0	1,505	1,505	
28.4%	0	1,505	1,505	
29.6%	0	1,505	1,505	
30.9%	0	1,505	1,505	
32.1%	0	1,505	1,505	
33.3%	0	1,505	1,505	
34.6%	0	1,505	1,505	
35.8%	0	1,505	1,505	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,378	1,378	
49.4%	0	1,351	1,351	
50.6%	0	1,341	1,341	
51.9%	0	1,312	1,312	
53.1%	0	1,295	1,295	
54.3%	0	1,182	1,182	
55.6%	0	1,149	1,149	
56.8%	0	1,118	1,118	
58.0%	0	1,107	1,107	
59.3%	0	1,075	1,075	
60.5%	0	1,020	1,020	
61.7%	0	1,011	1,011	
63.0%	0	1,006	1,006	
64.2%	0	1,004	1,004	
65.4%	0	970	970	
66.7%	0	890	890	
67.9%	0	780	780	
69.1%	0	768	768	
70.4%	0	747	747	
71.6%	0	623	623	
72.8%	0	581	581	
74.1%	0	540	540	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	540	540	
81.5%	0	540	540	
82.7%	0	540	540	
84.0%	0	540	540	
85.2%	0	540	540	
86.4%	0	540	540	
87.7%	0	540	540	
88.9%	0	540	540	
90.1%	0	151	151	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-3a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	56	66	686	463	0	0
Difference	0	0	0	0	0	0	56	66	686	463	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	702	321	0	0
Difference	0	0	0	0	0	0	0	0	702	321	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	670	428	0	0
Difference	0	0	0	0	0	0	0	0	670	428	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	0	0	474	240	0	0
Difference	0	0	0	0	0	0	0	0	474	240	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	11	72	727	669	0	0
Difference	0	0	0	0	0	0	11	72	727	669	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	0	0	0	0	0	0	365	342	854	756	0	0
Difference	0	0	0	0	0	0	365	342	854	756	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

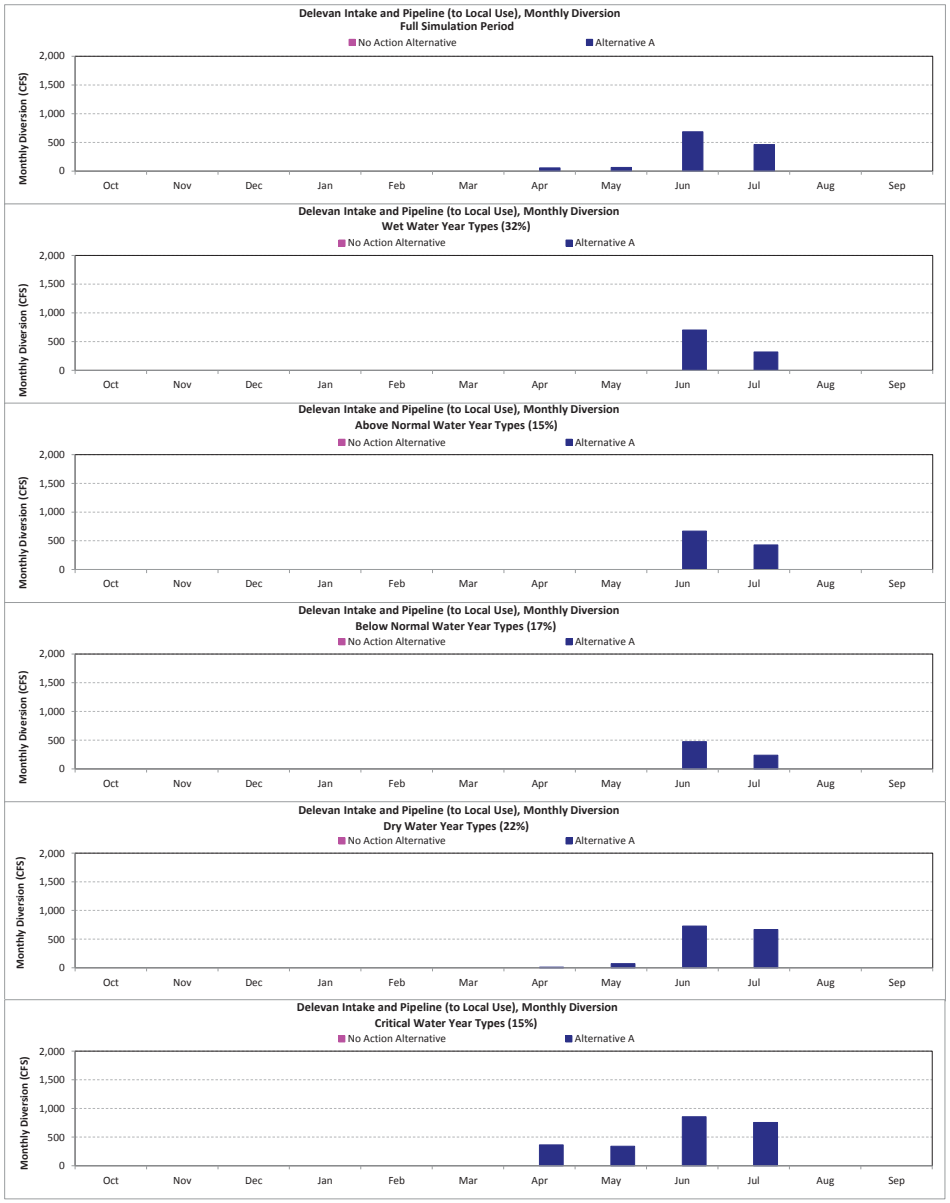

Figure OP-08-3b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

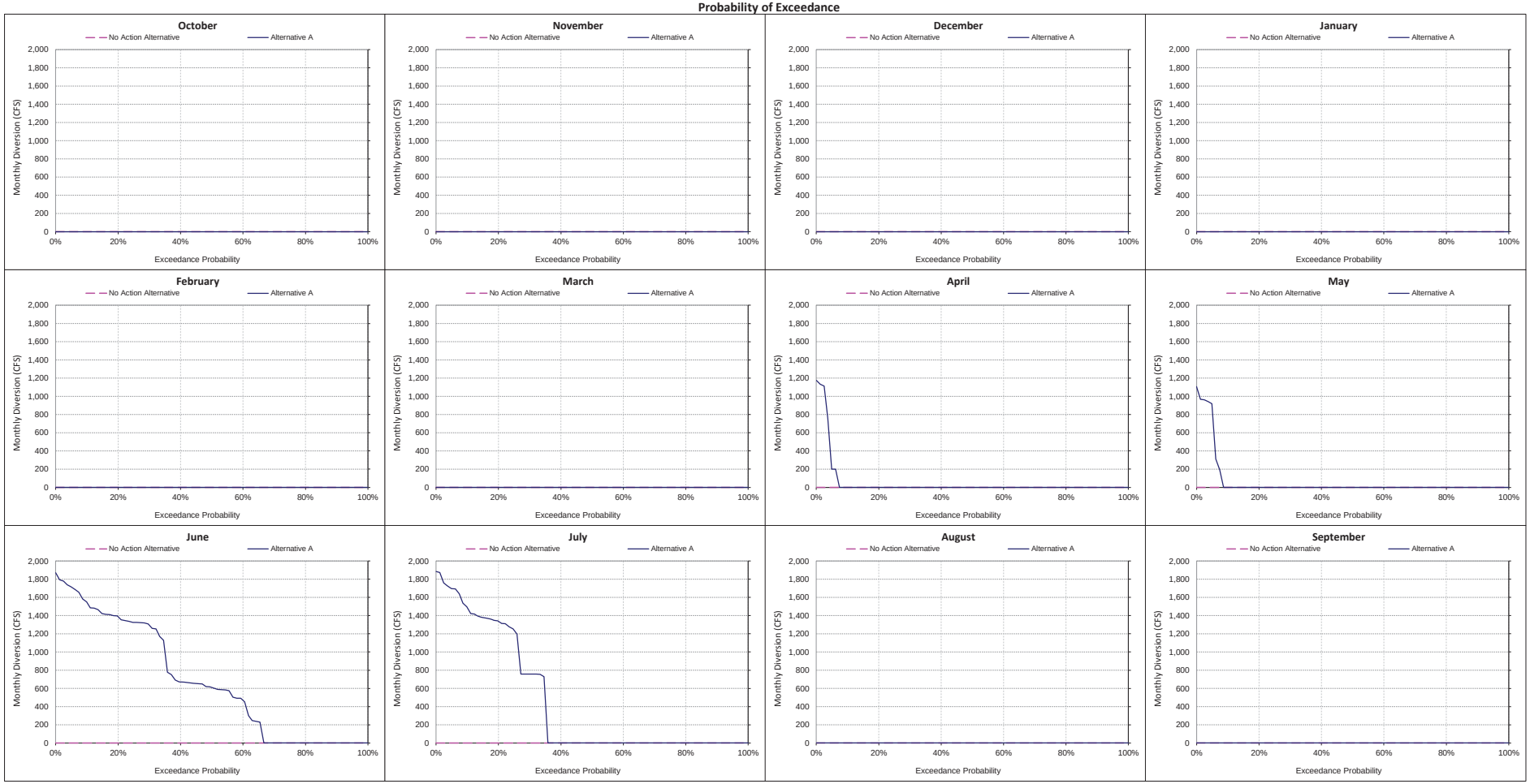

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,176	1,176	
1.2%	0	1,131	1,131	
2.5%	0	1,113	1,113	
3.7%	0	760	760	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,108	1,108	
1.2%	0	967	967	
2.5%	0	963	963	
3.7%	0	942	942	
4.9%	0	920	920	
6.2%	0	310	310	
7.4%	0	194	194	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-3b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,870	1,870	
1.2%	0	1,793	1,793	
2.5%	0	1,778	1,778	
3.7%	0	1,739	1,739	
4.9%	0	1,716	1,716	
6.2%	0	1,688	1,688	
7.4%	0	1,656	1,656	
8.6%	0	1,583	1,583	
9.9%	0	1,549	1,549	
11.1%	0	1,484	1,484	
12.3%	0	1,481	1,481	
13.6%	0	1,466	1,466	
14.8%	0	1,423	1,423	
16.0%	0	1,413	1,413	
17.3%	0	1,411	1,411	
18.5%	0	1,399	1,399	
19.8%	0	1,397	1,397	
21.0%	0	1,354	1,354	
22.2%	0	1,345	1,345	
23.5%	0	1,337	1,337	
24.7%	0	1,326	1,326	
25.9%	0	1,326	1,326	
27.2%	0	1,322	1,322	
28.4%	0	1,320	1,320	
29.6%	0	1,309	1,309	
30.9%	0	1,261	1,261	
32.1%	0	1,254	1,254	
33.3%	0	1,172	1,172	
34.6%	0	1,128	1,128	
35.8%	0	779	779	
37.0%	0	751	751	
38.3%	0	692	692	
39.5%	0	671	671	
40.7%	0	669	669	
42.0%	0	666	666	
43.2%	0	661	661	
44.4%	0	656	656	
45.7%	0	651	651	
46.9%	0	648	648	
48.1%	0	620	620	
49.4%	0	617	617	
50.6%	0	603	603	
51.9%	0	590	590	
53.1%	0	586	586	
54.3%	0	582	582	
55.6%	0	576	576	
56.8%	0	505	505	
58.0%	0	492	492	
59.3%	0	492	492	
60.5%	0	452	452	
61.7%	0	300	300	
63.0%	0	246	246	
64.2%	0	237	237	
65.4%	0	230	230	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,884	1,884	
1.2%	0	1,872	1,872	
2.5%	0	1,759	1,759	
3.7%	0	1,725	1,725	
4.9%	0	1,696	1,696	
6.2%	0	1,694	1,694	
7.4%	0	1,638	1,638	
8.6%	0	1,537	1,537	
9.9%	0	1,496	1,496	
11.1%	0	1,423	1,423	
12.3%	0	1,415	1,415	
13.6%	0	1,391	1,391	
14.8%	0	1,379	1,379	
16.0%	0	1,375	1,375	
17.3%	0	1,362	1,362	
18.5%	0	1,347	1,347	
19.8%	0	1,342	1,342	
21.0%	0	1,315	1,315	
22.2%	0	1,310	1,310	
23.5%	0	1,277	1,277	
24.7%	0	1,254	1,254	
25.9%	0	1,197	1,197	
27.2%	0	756	756	
28.4%	0	756	756	
29.6%	0	756	756	
30.9%	0	756	756	
32.1%	0	756	756	
33.3%	0	754	754	
34.6%	0	729	729	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-09-3a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	633	596	679	812	926	1,017	1,012	985	934	826	759	687
Difference	633	596	679	812	926	1,017	1,012	985	934	826	759	687
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	868	802	915	1,067	1,162	1,201	1,207	1,202	1,176	1,068	1,030	939
Difference	868	802	915	1,067	1,162	1,201	1,207	1,202	1,176	1,068	1,030	939
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	783	743	860	849	1,009	1,141	1,174	1,180	1,128	981	909	826
Difference	783	743	860	849	1,009	1,141	1,174	1,180	1,128	981	909	826
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	643	620	696	770	896	1,027	1,069	1,062	993	831	741	690
Difference	643	620	696	770	896	1,027	1,069	1,062	993	831	741	690
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	460	441	490	694	828	961	918	839	765	679	582	515
Difference	460	441	490	694	828	961	918	839	765	679	582	515
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	221	207	250	446	516	566	499	447	402	360	306	259
Difference	221	207	250	446	516	566	499	447	402	360	306	259
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

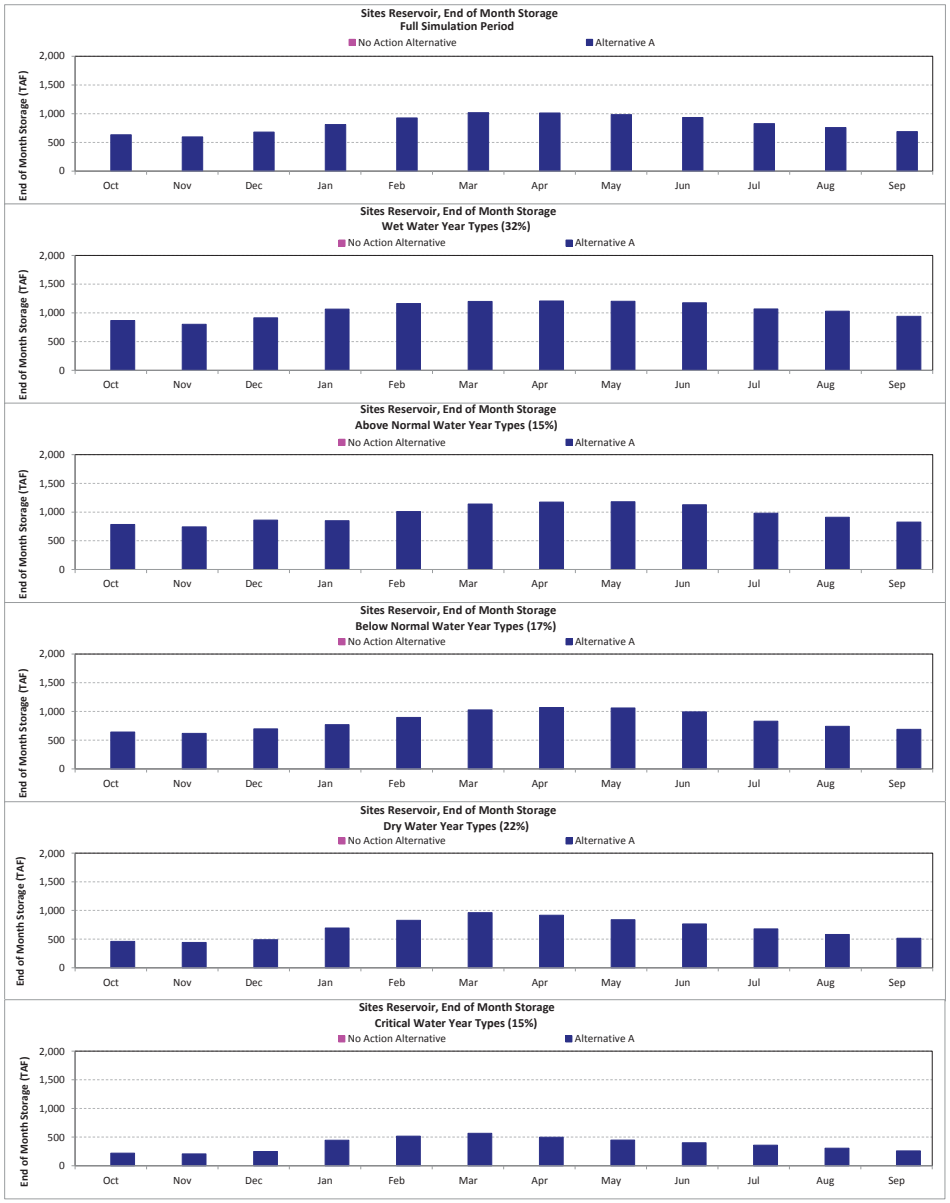

Figure OP-09-3b
Sites Reservoir, End of Month Storage
Probability of Exceedance

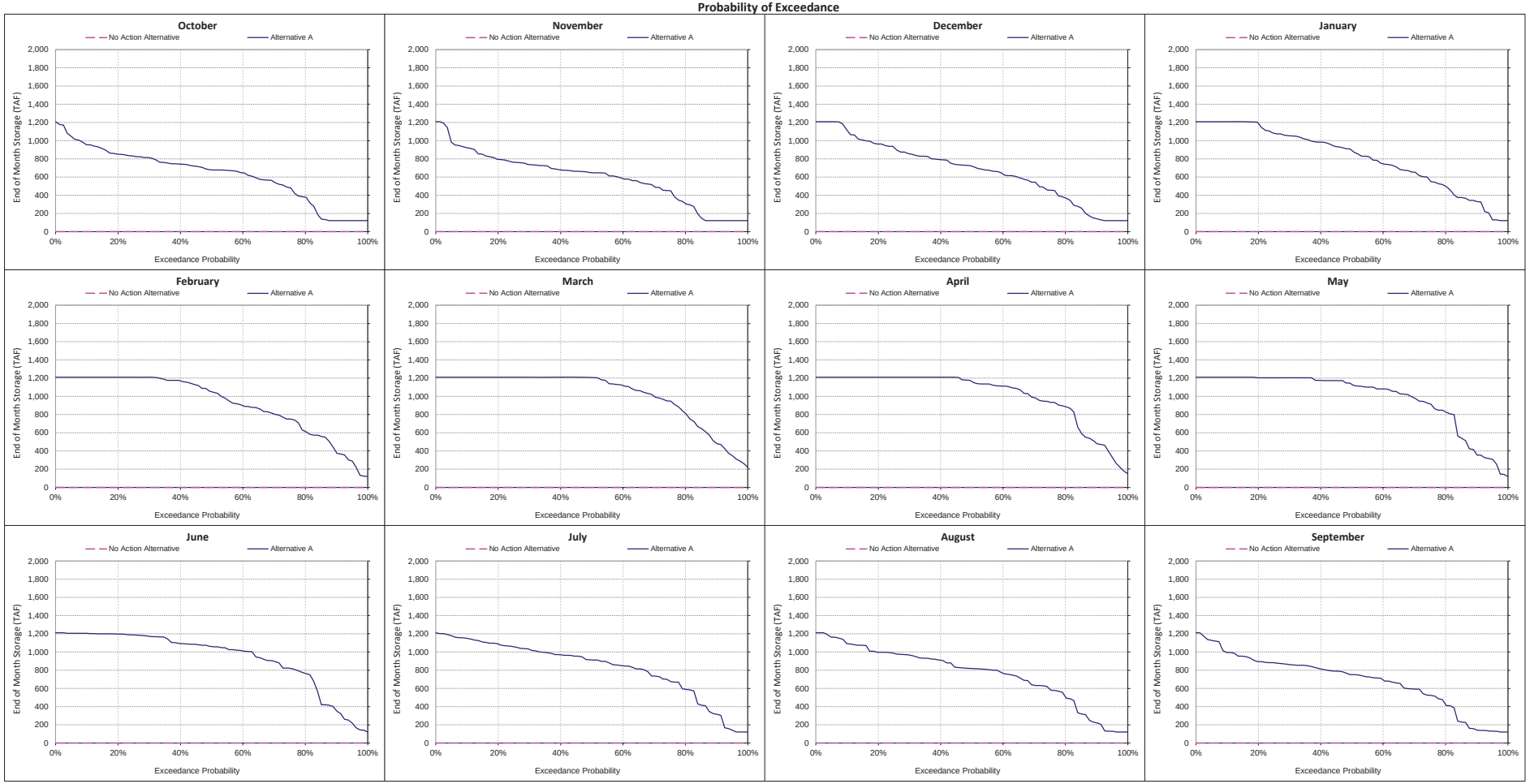

Table OP-09-3b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,177	1,177	
2.5%	0	1,172	1,172	
3.7%	0	1,083	1,083	
4.9%	0	1,048	1,048	
6.2%	0	1,014	1,014	
7.4%	0	1,005	1,005	
8.6%	0	982	982	
9.9%	0	954	954	
11.1%	0	954	954	
12.3%	0	940	940	
13.6%	0	932	932	
14.8%	0	914	914	
16.0%	0	894	894	
17.3%	0	864	864	
18.5%	0	860	860	
19.8%	0	853	853	
21.0%	0	849	849	
22.2%	0	844	844	
23.5%	0	836	836	
24.7%	0	833	833	
25.9%	0	823	823	
27.2%	0	823	823	
28.4%	0	816	816	
29.6%	0	815	815	
30.9%	0	807	807	
32.1%	0	789	789	
33.3%	0	763	763	
34.6%	0	760	760	
35.8%	0	756	756	
37.0%	0	746	746	
38.3%	0	746	746	
39.5%	0	744	744	
40.7%	0	741	741	
42.0%	0	737	737	
43.2%	0	725	725	
44.4%	0	719	719	
45.7%	0	714	714	
46.9%	0	705	705	
48.1%	0	691	691	
49.4%	0	680	680	
50.6%	0	679	679	
51.9%	0	679	679	
53.1%	0	677	677	
54.3%	0	674	674	
55.6%	0	674	674	
56.8%	0	669	669	
58.0%	0	665	665	
59.3%	0	648	648	
60.5%	0	643	643	
61.7%	0	617	617	
63.0%	0	611	611	
64.2%	0	592	592	
65.4%	0	575	575	
66.7%	0	571	571	
67.9%	0	568	568	
69.1%	0	565	565	
70.4%	0	537	537	
71.6%	0	521	521	
72.8%	0	512	512	
74.1%	0	489	489	
75.3%	0	482	482	
76.5%	0	421	421	
77.8%	0	393	393	
79.0%	0	384	384	
80.2%	0	379	379	
81.5%	0	316	316	
82.7%	0	278	278	
84.0%	0	187	187	
85.2%	0	137	137	
86.4%	0	134	134	
87.7%	0	120	120	
88.9%	0	120	120	
90.1%	0	120	120	
91.4%	0	120	120	
92.6%	0	120	120	
93.8%	0	120	120	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,195	1,195	
3.7%	0	1,144	1,144	
4.9%	0	982	982	
6.2%	0	952	952	
7.4%	0	947	947	
8.6%	0	934	934	
9.9%	0	922	922	
11.1%	0	915	915	
12.3%	0	903	903	
13.6%	0	854	854	
14.8%	0	852	852	
16.0%	0	833	833	
17.3%	0	823	823	
18.5%	0	814	814	
19.8%	0	796	796	
21.0%	0	793	793	
22.2%	0	786	786	
23.5%	0	776	776	
24.7%	0	765	765	
25.9%	0	762	762	
27.2%	0	756	756	
28.4%	0	753	753	
29.6%	0	737	737	
30.9%	0	735	735	
32.1%	0	732	732	
33.3%	0	728	728	
34.6%	0	727	727	
35.8%	0	721	721	
37.0%	0	694	694	
38.3%	0	690	690	
39.5%	0	682	682	
40.7%	0	676	676	
42.0%	0	675	675	
43.2%	0	671	671	
44.4%	0	665	665	
45.7%	0	665	665	
46.9%	0	660	660	
48.1%	0	659	659	
49.4%	0	649	649	
50.6%	0	647	647	
51.9%	0	646	646	
53.1%	0	646	646	
54.3%	0	642	642	
55.6%	0	613	613	
56.8%	0	612	612	
58.0%	0	603	603	
59.3%	0	592	592	
60.5%	0	578	578	
61.7%	0	578	578	
63.0%	0	562	562	
64.2%	0	560	560	
65.4%	0	540	540	
66.7%	0	530	530	
67.9%	0	523	523	
69.1%	0	518	518	
70.4%	0	488	488	
71.6%	0	487	487	
72.8%	0	455	455	
74.1%	0	452	452	
75.3%	0	450	450	
76.5%	0	381	381	
77.8%	0	346	346	
79.0%	0	333	333	
80.2%	0	305	305	
81.5%	0	296	296	
82.7%	0	276	276	
84.0%	0	196	196	
85.2%	0	148	148	
86.4%	0	121	121	
87.7%	0	121	121	
88.9%	0	121	121	
90.1%	0	121	121	
91.4%	0	121	121	
92.6%	0	121	121	
93.8%	0	120	120	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,209	1,209	
7.4%	0	1,206	1,206	
8.6%	0	1,179	1,179	
9.9%	0	1,117	1,117	
11.1%	0	1,065	1,065	
12.3%	0	1,063	1,063	
13.6%	0	1,018	1,018	
14.8%	0	1,008	1,008	
16.0%	0	997	997	
17.3%	0	993	993	
18.5%	0	972	972	
19.8%	0	964	964	
21.0%	0	963	963	
22.2%	0	945	945	
23.5%	0	938	938	
24.7%	0	936	936	
25.9%	0	899	899	
27.2%	0	875	875	
28.4%	0	875	875	
29.6%	0	859	859	
30.9%	0	848	848	
32.1%	0	838	838	
33.3%	0	830	830	
34.6%	0	828	828	
35.8%	0	826	826	
37.0%	0	799	799	
38.3%	0	797	797	
39.5%	0	792	792	
40.7%	0	790	790	
42.0%	0	785	785	
43.2%	0	751	751	
44.4%	0	741	741	
45.7%	0	733	733	
46.9%	0	731	731	
48.1%	0	728	728	
49.4%	0	725	725	
50.6%	0	713	713	
51.9%	0	694	694	
53.1%	0	686	686	
54.3%	0	678	678	
55.6%	0	674	674	
56.8%	0	664	664	
58.0%	0	661	661	
59.3%	0	650	650	
60.5%	0	621	621	
61.7%	0	616	616	
63.0%	0	615	615	
64.2%	0	603	603	
65.4%	0	593	593	
66.7%	0	575	575	
67.9%	0	565	565	
69.1%	0	545	545	
70.4%	0	544	544	
71.6%	0	494	494	
72.8%	0	491	491	
74.1%	0	458	458	
75.3%	0	455	455	
76.5%	0	453	453	
77.8%	0	393	393	
79.0%	0	383	383	
80.2%	0	366	366	
81.5%	0	343	343	
82.7%	0	289	289	
84.0%	0	278	278	
85.2%	0	258	258	
86.4%	0	201	201	
87.7%	0	173	173	
88.9%	0	150	150	
90.1%	0	140	140	
91.4%	0	131	131	
92.6%	0	122	122	
93.8%	0	122	122	
95.1%	0	122	122	
96.3%	0	122	122	
97.5%	0	122	122	
98.8%	0	120	120	
100.0%	0	120	120	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,210	1,210	
7.4%	0	1,210	1,210	
8.6%	0	1,210	1,210	
9.9%	0	1,210	1,210	
11.1%	0	1,210	1,210	
12.3%	0	1,210	1,210	
13.6%	0	1,210	1,210	
14.8%	0	1,209	1,209	
16.0%	0	1,209	1,209	
17.3%	0	1,208	1,208	
18.5%	0	1,207	1,207	
19.8%	0	1,203	1,203	
21.0%	0	1,146	1,146	
22.2%	0	1,113	1,113	
23.5%	0	1,106	1,106	
24.7%	0	1,084	1,084	
25.9%	0	1,074	1,074	
27.2%	0	1,073	1,073	
28.4%	0	1,061	1,061	
29.6%	0	1,055	1,055	
30.9%	0	1,053	1,053	
32.1%	0	1,049	1,049	
33.3%	0	1,037	1,037	
34.6%	0	1,021	1,021	
35.8%	0	1,012	1,012	
37.0%	0	994	994	
38.3%	0	985	985	
39.5%	0	983	983	
40.7%	0	982	982	
42.0%	0	973	973	
43.2%	0	957	957	
44.4%	0	938	938	
45.7%	0	932	932	
46.9%	0	925	925	
48.1%	0	911	911	
49.4%	0	908	908	
50.6%	0	874	874	
51.9%	0	854	854	
53.1%	0	830	830	
54.3%	0	829	829	
55.6%	0	823	823	
56.8%	0	785	785	
58.0%	0	782	782	
59.3%	0	751	751	
60.5%	0	742	742	
61.7%	0	738	738	
63.0%	0	728	728	
64.2%	0	713	713	
65.4%	0	684	684	
66.7%	0	674	674	
67.9%	0	671	671	
69.1%	0	654	654	
70.4%	0	653	653	
71.6%	0	616	616	
72.8%	0	605	605	
74.1%	0	601	601	
75.3%	0	549	549	
76.5%	0	544	544	
77.8%	0	527	527	
79.0%	0	518	518	
80.2%	0	494	494	
81.5%	0	458	458	
82.7%	0	405	405	
84.0%	0	376	376	
85.2%	0	375	375	
86.4%	0	366	366	
87.7%	0	344	344	
88.9%	0	343	343	
90.1%	0	329	329	
91.4%	0	325	325	
92.6%	0	221	221	
93.8%	0	206	206	
95.1%	0	131	131	
96.3%	0	131	131	
97.5%	0	122	122	
98.8%	0	122	122	
100.0%	0	120	120	

Table OP-09-3b

Sites Reservoir, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,210	1,210	
7.4%	0	1,210	1,210	
8.6%	0	1,210	1,210	
9.9%	0	1,210	1,210	
11.1%	0	1,210	1,210	
12.3%	0	1,210	1,210	
13.6%	0	1,210	1,210	
14.8%	0	1,210	1,210	
16.0%	0	1,210	1,210	
17.3%	0	1,210	1,210	
18.5%	0	1,210	1,210	
19.8%	0	1,210	1,210	
21.0%	0	1,210	1,210	
22.2%	0	1,210	1,210	
23.5%	0	1,210	1,210	
24.7%	0	1,210	1,210	
25.9%	0	1,210	1,210	
27.2%	0	1,210	1,210	
28.4%	0	1,210	1,210	
29.6%	0	1,209	1,209	
30.9%	0	1,209	1,209	
32.1%	0	1,207	1,207	
33.3%	0	1,199	1,199	
34.6%	0	1,190	1,190	
35.8%	0	1,176	1,176	
37.0%	0	1,176	1,176	
38.3%	0	1,176	1,176	
39.5%	0	1,174	1,174	
40.7%	0	1,160	1,160	
42.0%	0	1,156	1,156	
43.2%	0	1,145	1,145	
44.4%	0	1,130	1,130	
45.7%	0	1,119	1,119	
46.9%	0	1,088	1,088	
48.1%	0	1,088	1,088	
49.4%	0	1,057	1,057	
50.6%	0	1,046	1,046	
51.9%	0	1,033	1,033	
53.1%	0	999	999	
54.3%	0	980	980	
55.6%	0	951	951	
56.8%	0	924	924	
58.0%	0	919	919	
59.3%	0	906	906	
60.5%	0	891	891	
61.7%	0	888	888	
63.0%	0	879	879	
64.2%	0	877	877	
65.4%	0	861	861	
66.7%	0	833	833	
67.9%	0	830	830	
69.1%	0	817	817	
70.4%	0	801	801	
71.6%	0	793	793	
72.8%	0	770	770	
74.1%	0	751	751	
75.3%	0	750	750	
76.5%	0	738	738	
77.8%	0	711	711	
79.0%	0	630	630	
80.2%	0	612	612	
81.5%	0	582	582	
82.7%	0	574	574	
84.0%	0	573	573	
85.2%	0	559	559	
86.4%	0	550	550	
87.7%	0	504	504	
88.9%	0	441	441	
90.1%	0	373	373	
91.4%	0	366	366	
92.6%	0	357	357	
93.8%	0	302	302	
95.1%	0	288	288	
96.3%	0	221	221	
97.5%	0	131	131	
98.8%	0	122	122	
100.0%	0	120	120	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,210	1,210	
7.4%	0	1,210	1,210	
8.6%	0	1,210	1,210	
9.9%	0	1,210	1,210	
11.1%	0	1,210	1,210	
12.3%	0	1,210	1,210	
13.6%	0	1,210	1,210	
14.8%	0	1,210	1,210	
16.0%	0	1,210	1,210	
17.3%	0	1,210	1,210	
18.5%	0	1,210	1,210	
19.8%	0	1,210	1,210	
21.0%	0	1,210	1,210	
22.2%	0	1,210	1,210	
23.5%	0	1,210	1,210	
24.7%	0	1,210	1,210	
25.9%	0	1,210	1,210	
27.2%	0	1,210	1,210	
28.4%	0	1,210	1,210	
29.6%	0	1,210	1,210	
30.9%	0	1,210	1,210	
32.1%	0	1,210	1,210	
33.3%	0	1,210	1,210	
34.6%	0	1,210	1,210	
35.8%	0	1,210	1,210	
37.0%	0	1,210	1,210	
38.3%	0	1,210	1,210	
39.5%	0	1,210	1,210	
40.7%	0	1,210	1,210	
42.0%	0	1,210	1,210	
43.2%	0	1,210	1,210	
44.4%	0	1,210	1,210	
45.7%	0	1,210	1,210	
46.9%	0	1,209	1,209	
48.1%	0	1,209	1,209	
49.4%	0	1,209	1,209	
50.6%	0	1,207	1,207	
51.9%	0	1,204	1,204	
53.1%	0	1,181	1,181	
54.3%	0	1,176	1,176	
55.6%	0	1,137	1,137	
56.8%	0	1,135	1,135	
58.0%	0	1,130	1,130	
59.3%	0	1,126	1,126	
60.5%	0	1,114	1,114	
61.7%	0	1,107	1,107	
63.0%	0	1,081	1,081	
64.2%	0	1,064	1,064	
65.4%	0	1,061	1,061	
66.7%	0	1,044	1,044	
67.9%	0	1,033	1,033	
69.1%	0	1,022	1,022	
70.4%	0	989	989	
71.6%	0	983	983	
72.8%	0	966	966	
74.1%	0	951	951	
75.3%	0	948	948	
76.5%	0	910	910	
77.8%	0	884	884	
79.0%	0	841	841	
80.2%	0	809	809	
81.5%	0	751	751	
82.7%	0	725	725	
84.0%	0	666	666	
85.2%	0	646	646	
86.4%	0	612	612	
87.7%	0	578	578	
88.9%	0	514	514	
90.1%	0	480	480	
91.4%	0	472	472	
92.6%	0	424	424	
93.8%	0	374	374	
95.1%	0	349	349	
96.3%	0	311	311	
97.5%	0	288	288	
98.8%	0	259	259	
100.0%	0	221	221	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,210	1,210	
7.4%	0	1,210	1,210	
8.6%	0	1,210	1,210	
9.9%	0	1,210	1,210	
11.1%	0	1,210	1,210	
12.3%	0	1,210	1,210	
13.6%	0	1,210	1,210	
14.8%	0	1,210	1,210	
16.0%	0	1,210	1,210	
17.3%	0	1,210	1,210	
18.5%	0	1,210	1,210	
19.8%	0	1,210	1,210	
21.0%	0	1,210	1,210	
22.2%	0	1,210	1,210	
23.5%	0	1,210	1,210	
24.7%	0	1,210	1,210	
25.9%	0	1,210	1,210	
27.2%	0	1,210	1,210	
28.4%	0	1,210	1,210	
29.6%	0	1,210	1,210	
30.9%	0	1,210	1,210	
32.1%	0	1,210	1,210	
33.3%	0	1,210	1,210	
34.6%	0	1,210	1,210	
35.8%	0	1,210	1,210	
37.0%	0	1,210	1,210	
38.3%	0	1,210	1,210	
39.5%	0	1,210	1,210	
40.7%	0	1,210	1,210	
42.0%	0	1,210	1,210	
43.2%	0	1,210	1,210	
44.4%	0	1,210	1,210	
45.7%	0	1,207	1,207	
46.9%	0	1,181	1,181	
48.1%	0	1,178	1,178	
49.4%	0	1,177	1,177	
50.6%	0	1,150	1,150	
51.9%	0	1,137	1,137	
53.1%	0	1,136	1,136	
54.3%	0	1,135	1,135	
55.6%	0	1,135	1,135	
56.8%	0	1,121	1,121	
58.0%	0	1,114	1,114	
59.3%	0	1,114	1,114	
60.5%	0	1,112	1,112	
61.7%	0	1,106	1,106	
63.0%	0	1,092	1,092	
64.2%	0	1,087	1,087	
65.4%	0	1,074	1,074	
66.7%	0	1,032	1,032	
67.9%	0	1,031	1,031	
69.1%	0	993	993	
70.4%	0	983	983	
71.6%	0	956	956	
72.8%	0	948	948	
74.1%	0	943	943	
75.3%	0	934	934	
76.5%	0	932	932	
77.8%	0	905	905	
79.0%	0	895	895	
80.2%	0	884	884	
81.5%	0	866	866	
82.7%	0	828	828	
84.0%	0	662	662	
85.2%	0	592	592	
86.4%	0	551	551	
87.7%	0	541	541	
88.9%	0	514	514	
90.1%	0	480	480	
91.4%	0	470	470	
92.6%	0	464	464	
93.8%	0	393	393	
95.1%	0	327	327	
96.3%	0	259	259	
97.5%	0	221	221	
98.8%	0	177	177	
100.0%	0	151	151	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,210	1,210	
4.9%	0	1,210	1,210	
6.2%	0	1,210	1,210	
7.4%	0	1,210	1,210	
8.6%	0	1,210	1,210	
9.9%	0	1,210	1,210	
11.1%	0	1,210	1,210	
12.3%	0	1,210	1,210	
13.6%	0	1,210	1,210	
14.8%	0	1,210	1,210	
16.0%	0	1,210	1,210	
17.3%	0	1,210	1,210	
18.5%	0	1,210	1,210	
19.8%	0	1,205	1,205	
21.0%	0	1,205	1,205	
22.2%	0	1,205	1,205	
23.5%	0	1,205	1,205	
24.7%	0	1,205	1,205	
25.9%	0	1,205	1,205	
27.2%	0	1,205	1,205	
28.4%	0	1,205	1,205	
29.6%	0	1,205	1,205	
30.9%	0	1,205	1,205	
32.1%	0	1,205	1,205	
33.3%	0	1,205	1,205	
34.6%	0	1,205	1,205	
35.8%	0	1,205	1,205	
37.0%	0	1,205	1,205	
38.3%	0	1,176	1,176	
39.5%	0	1,174	1,174	
40.7%	0	1,173	1,173	
42.0%	0	1,173	1,173	
43.2%	0	1,173	1,173	
44.4%	0	1,173	1,173	
45.7%	0	1,173	1,173	
46.9%	0	1,173	1,173	
48.1%	0	1,147	1,147	
49.4%	0	1,144	1,144	
50.6%	0	1,118	1,118	
51.9%	0	1,113	1,113	
53.1%	0	1,109	1,109	
54.3%	0	1,102	1,102	
55.6%	0	1,101	1,101	
56.8%	0	1,100	1,100	
58.0%	0	1,082	1,082	
59.3%	0	1,081	1,081	
60.5%	0	1,081	1,081	
61.7%	0	1,076	1,076	
63.0%	0	1,055	1,055	
64.2%	0	1,053	1,053	
65.4%	0	1,026	1,026	
66.7%	0	1,024	1,024	
67.9%	0	1,018	1,018	
69.1%	0	996	996	
70.4%	0	975	975	
71.6%	0	946	946	
72.8%	0	944	944	
74.1%	0	928	928	
75.3%	0	913	913	
76.5%	0	862	862	
77.8%	0	847	847	
79.0%	0	847	847	
80.2%	0	824	824	
81.5%	0	809	809	
82.7%	0	799	799	
84.0%	0	566	566	
85.2%	0	539	539	
86.4%	0	515	515	
87.7%	0	423	423	
88.9%	0	417	417	
90.1%	0	354	354	
91.4%	0	353	353	
92.6%	0	324	324	
93.8%	0	316	316	
95.1%	0	309	309	
96.3%	0	256	256	
97.5%	0	146	146	
98.8%	0	143	143	
100.0%	0	120	120	

Table OP-09-3b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,204	1,204	
4.9%	0	1,204	1,204	
6.2%	0	1,204	1,204	
7.4%	0	1,204	1,204	
8.6%	0	1,204	1,204	
9.9%	0	1,204	1,204	
11.1%	0	1,202	1,202	
12.3%	0	1,202	1,202	
13.6%	0	1,199	1,199	
14.8%	0	1,199	1,199	
16.0%	0	1,199	1,199	
17.3%	0	1,199	1,199	
18.5%	0	1,199	1,199	
19.8%	0	1,198	1,198	
21.0%	0	1,197	1,197	
22.2%	0	1,193	1,193	
23.5%	0	1,188	1,188	
24.7%	0	1,187	1,187	
25.9%	0	1,187	1,187	
27.2%	0	1,183	1,183	
28.4%	0	1,180	1,180	
29.6%	0	1,175	1,175	
30.9%	0	1,168	1,168	
32.1%	0	1,167	1,167	
33.3%	0	1,165	1,165	
34.6%	0	1,165	1,165	
35.8%	0	1,144	1,144	
37.0%	0	1,105	1,105	
38.3%	0	1,104	1,104	
39.5%	0	1,094	1,094	
40.7%	0	1,092	1,092	
42.0%	0	1,087	1,087	
43.2%	0	1,086	1,086	
44.4%	0	1,085	1,085	
45.7%	0	1,081	1,081	
46.9%	0	1,074	1,074	
48.1%	0	1,073	1,073	
49.4%	0	1,063	1,063	
50.6%	0	1,058	1,058	
51.9%	0	1,058	1,058	
53.1%	0	1,047	1,047	
54.3%	0	1,045	1,045	
55.6%	0	1,026	1,026	
56.8%	0	1,024	1,024	
58.0%	0	1,019	1,019	
59.3%	0	1,018	1,018	
60.5%	0	1,010	1,010	
61.7%	0	1,006	1,006	
63.0%	0	1,002	1,002	
64.2%	0	946	946	
65.4%	0	938	938	
66.7%	0	920	920	
67.9%	0	906	906	
69.1%	0	905	905	
70.4%	0	894	894	
71.6%	0	881	881	
72.8%	0	824	824	
74.1%	0	823	823	
75.3%	0	819	819	
76.5%	0	810	810	
77.8%	0	792	792	
79.0%	0	779	779	
80.2%	0	764	764	
81.5%	0	750	750	
82.7%	0	675	675	
84.0%	0	559	559	
85.2%	0	422	422	
86.4%	0	420	420	
87.7%	0	414	414	
88.9%	0	401	401	
90.1%	0	350	350	
91.4%	0	321	321	
92.6%	0	261	261	
93.8%	0	253	253	
95.1%	0	217	217	
96.3%	0	167	167	
97.5%	0	144	144	
98.8%	0	141	141	
100.0%	0	120	120	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,202	1,202	
2.5%	0	1,202	1,202	
3.7%	0	1,191	1,191	
4.9%	0	1,180	1,180	
6.2%	0	1,164	1,164	
7.4%	0	1,158	1,158	
8.6%	0	1,156	1,156	
9.9%	0	1,151	1,151	
11.1%	0	1,144	1,144	
12.3%	0	1,132	1,132	
13.6%	0	1,127	1,127	
14.8%	0	1,112	1,112	
16.0%	0	1,104	1,104	
17.3%	0	1,097	1,097	
18.5%	0	1,097	1,097	
19.8%	0	1,092	1,092	
21.0%	0	1,075	1,075	
22.2%	0	1,068	1,068	
23.5%	0	1,066	1,066	
24.7%	0	1,060	1,060	
25.9%	0	1,050	1,050	
27.2%	0	1,040	1,040	
28.4%	0	1,037	1,037	
29.6%	0	1,035	1,035	
30.9%	0	1,017	1,017	
32.1%	0	1,011	1,011	
33.3%	0	999	999	
34.6%	0	998	998	
35.8%	0	991	991	
37.0%	0	987	987	
38.3%	0	972	972	
39.5%	0	971	971	
40.7%	0	967	967	
42.0%	0	963	963	
43.2%	0	962	962	
44.4%	0	955	955	
45.7%	0	954	954	
46.9%	0	946	946	
48.1%	0	917	917	
49.4%	0	914	914	
50.6%	0	913	913	
51.9%	0	911	911	
53.1%	0	898	898	
54.3%	0	898	898	
55.6%	0	879	879	
56.8%	0	859	859	
58.0%	0	858	858	
59.3%	0	853	853	
60.5%	0	847	847	
61.7%	0	847	847	
63.0%	0	833	833	
64.2%	0	816	816	
65.4%	0	815	815	
66.7%	0	807	807	
67.9%	0	785	785	
69.1%	0	737	737	
70.4%	0	735	735	
71.6%	0	728	728	
72.8%	0	704	704	
74.1%	0	700	700	
75.3%	0	676	676	
76.5%	0	670	670	
77.8%	0	668	668	
79.0%	0	595	595	
80.2%	0	590	590	
81.5%	0	583	583	
82.7%	0	573	573	
84.0%	0	430	430	
85.2%	0	415	415	
86.4%	0	409	409	
87.7%	0	345	345	
88.9%	0	325	325	
90.1%	0	316	316	
91.4%	0	304	304	
92.6%	0	165	165	
93.8%	0	157	157	
95.1%	0	141	141	
96.3%	0	121	121	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,210	1,210	
3.7%	0	1,190	1,190	
4.9%	0	1,163	1,163	
6.2%	0	1,162	1,162	
7.4%	0	1,152	1,152	
8.6%	0	1,139	1,139	
9.9%	0	1,092	1,092	
11.1%	0	1,088	1,088	
12.3%	0	1,081	1,081	
13.6%	0	1,075	1,075	
14.8%	0	1,073	1,073	
16.0%	0	1,072	1,072	
17.3%	0	1,009	1,009	
18.5%	0	1,007	1,007	
19.8%	0	997	997	
21.0%	0	997	997	
22.2%	0	997	997	
23.5%	0	995	995	
24.7%	0	988	988	
25.9%	0	977	977	
27.2%	0	973	973	
28.4%	0	972	972	
29.6%	0	970	970	
30.9%	0	960	960	
32.1%	0	948	948	
33.3%	0	934	934	
34.6%	0	932	932	
35.8%	0	930	930	
37.0%	0	924	924	
38.3%	0	920	920	
39.5%	0	912	912	
40.7%	0	907	907	
42.0%	0	879	879	
43.2%	0	879	879	
44.4%	0	833	833	
45.7%	0	827	827	
46.9%	0	826	826	
48.1%	0	821	821	
49.4%	0	821	821	
50.6%	0	820	820	
51.9%	0	816	816	
53.1%	0	814	814	
54.3%	0	810	810	
55.6%	0	805	805	
56.8%	0	799	799	
58.0%	0	799	799	
59.3%	0	778	778	
60.5%	0	762	762	
61.7%	0	754	754	
63.0%	0	746	746	
64.2%	0	737	737	
65.4%	0	716	716	
66.7%	0	690	690	
67.9%	0	686	686	
69.1%	0	639	639	
70.4%	0	632	632	
71.6%	0	631	631	
72.8%	0	630	630	
74.1%	0	620	620	
75.3%	0	581	581	
76.5%	0	578	578	
77.8%	0	569	569	
79.0%	0	558	558	
80.2%	0	492	492	
81.5%	0	485	485	
82.7%	0	466	466	
84.0%	0	333	333	
85.2%	0	318	318	
86.4%	0	312	312	
87.7%	0	249	249	
88.9%	0	229	229	
90.1%	0	220	220	
91.4%	0	208	208	
92.6%	0	132	132	
93.8%	0	131	131	
95.1%	0	129	129	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,210	1,210	
1.2%	0	1,210	1,210	
2.5%	0	1,173	1,173	
3.7%	0	1,137	1,137	
4.9%	0	1,128	1,128	
6.2%	0	1,120	1,120	
7.4%	0	1,115	1,115	
8.6%	0	1,013	1,013	
9.9%	0	995	995	
11.1%	0	994	994	
12.3%	0	987	987	
13.6%	0	955	955	
14.8%	0	954	954	
16.0%	0	948	948	
17.3%	0	933	933	
18.5%	0	909	909	
19.8%	0	896	896	
21.0%	0	894	894	
22.2%	0	886	886	
23.5%	0	883	883	
24.7%	0	882	882	
25.9%	0	877	877	
27.2%	0	871	871	
28.4%	0	870	870	
29.6%	0	865	865	
30.9%	0	856	856	
32.1%	0	856	856	
33.3%	0	855	855	
34.6%	0	854	854	
35.8%	0	848	848	
37.0%	0	840	840	
38.3%	0	828	828	
39.5%	0	818	818	
40.7%	0	808	808	
42.0%	0	800	800	
43.2%	0	792	792	
44.4%	0	791	791	
45.7%	0	790	790	
46.9%	0	784	784	
48.1%	0	770	770	
49.4%	0	752	752	
50.6%	0	752	752	
51.9%	0	749	749	
53.1%	0	742	742	
54.3%	0	728	728	
55.6%	0	727	727	
56.8%	0	716	716	
58.0%	0	713	713	
59.3%	0	711	711	
60.5%	0	681	681	
61.7%	0	680	680	
63.0%	0	668	668	
64.2%	0	661	661	
65.4%	0	654	654	
66.7%	0	604	604	
67.9%	0	598	598	
69.1%	0	594	594	
70.4%	0	593	593	
71.6%	0	592	592	
72.8%	0	539	539	
74.1%	0	527	527	
75.3%	0	522	522	
76.5%	0	514	514	
77.8%	0	486	486	
79.0%	0	477	477	
80.2%	0	412	412	
81.5%	0	409	409	
82.7%	0	385	385	
84.0%	0	242	242	
85.2%	0	230	230	
86.4%	0	227	227	
87.7%	0	162	162	
88.9%	0	158	158	
90.1%	0	142	142	
91.4%	0	139	139	
92.6%	0	137	137	
93.8%	0	132	132	
95.1%	0	130	130	
96.3%	0	129	129	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

Table OP-10-3a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	415	411	420	434	446	455	455	452	447	436	429	421
Difference	415	411	420	434	446	455	455	452	447	436	429	421
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	443	437	448	461	470	474	474	474	471	462	459	450
Difference	443	437	448	461	470	474	474	474	471	462	459	450
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	435	431	442	439	456	468	471	472	467	454	448	440
Difference	435	431	442	439	456	468	471	472	467	454	448	440
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	420	417	424	432	445	458	462	461	455	440	431	425
Difference	420	417	424	432	445	458	462	461	455	440	431	425
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	394	392	398	422	437	450	447	439	431	421	410	402
Difference	394	392	398	422	437	450	447	439	431	421	410	402
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	358	356	365	392	400	408	399	391	386	379	372	364
Difference	358	356	365	392	400	408	399	391	386	379	372	364
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-10-3b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

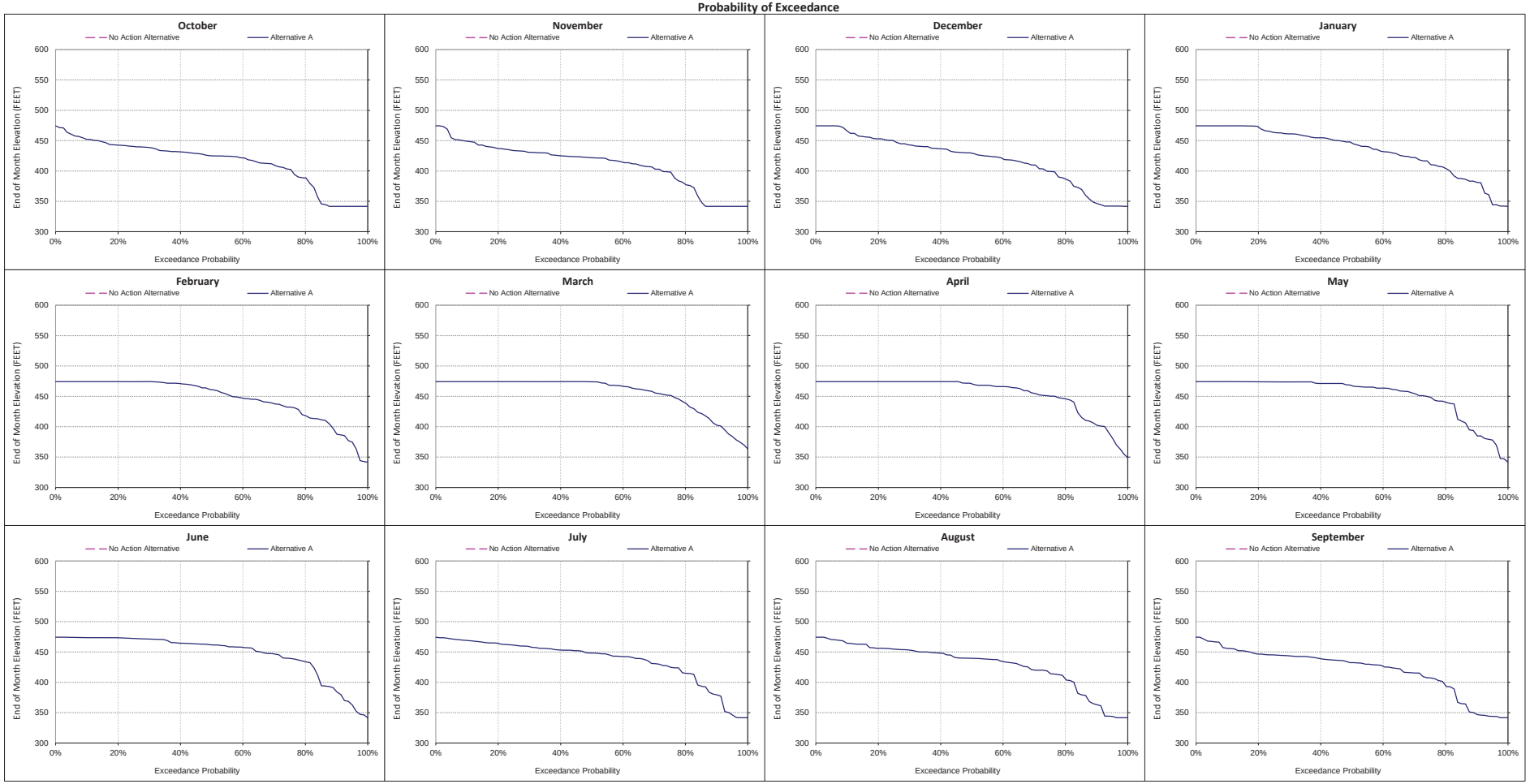

Table OP-10-3b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	472	472	
2.5%	0	471	471	
3.7%	0	464	464	
4.9%	0	461	461	
6.2%	0	458	458	
7.4%	0	457	457	
8.6%	0	455	455	
9.9%	0	452	452	
11.1%	0	452	452	
12.3%	0	451	451	
13.6%	0	450	450	
14.8%	0	448	448	
16.0%	0	447	447	
17.3%	0	444	444	
18.5%	0	443	443	
19.8%	0	443	443	
21.0%	0	442	442	
22.2%	0	442	442	
23.5%	0	441	441	
24.7%	0	441	441	
25.9%	0	440	440	
27.2%	0	440	440	
28.4%	0	439	439	
29.6%	0	439	439	
30.9%	0	438	438	
32.1%	0	436	436	
33.3%	0	434	434	
34.6%	0	433	433	
35.8%	0	433	433	
37.0%	0	432	432	
38.3%	0	432	432	
39.5%	0	432	432	
40.7%	0	431	431	
42.0%	0	431	431	
43.2%	0	430	430	
44.4%	0	429	429	
45.7%	0	429	429	
46.9%	0	428	428	
48.1%	0	426	426	
49.4%	0	425	425	
50.6%	0	425	425	
51.9%	0	425	425	
53.1%	0	425	425	
54.3%	0	424	424	
55.6%	0	424	424	
56.8%	0	424	424	
58.0%	0	423	423	
59.3%	0	422	422	
60.5%	0	421	421	
61.7%	0	418	418	
63.0%	0	418	418	
64.2%	0	415	415	
65.4%	0	413	413	
66.7%	0	413	413	
67.9%	0	412	412	
69.1%	0	412	412	
70.4%	0	409	409	
71.6%	0	407	407	
72.8%	0	406	406	
74.1%	0	403	403	
75.3%	0	402	402	
76.5%	0	394	394	
77.8%	0	390	390	
79.0%	0	389	389	
80.2%	0	388	388	
81.5%	0	379	379	
82.7%	0	373	373	
84.0%	0	357	357	
85.2%	0	346	346	
86.4%	0	345	345	
87.7%	0	342	342	
88.9%	0	342	342	
90.1%	0	342	342	
91.4%	0	342	342	
92.6%	0	342	342	
93.8%	0	342	342	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	473	473	
3.7%	0	469	469	
4.9%	0	455	455	
6.2%	0	452	452	
7.4%	0	451	451	
8.6%	0	450	450	
9.9%	0	449	449	
11.1%	0	448	448	
12.3%	0	447	447	
13.6%	0	443	443	
14.8%	0	443	443	
16.0%	0	441	441	
17.3%	0	440	440	
18.5%	0	439	439	
19.8%	0	437	437	
21.0%	0	437	437	
22.2%	0	436	436	
23.5%	0	435	435	
24.7%	0	434	434	
25.9%	0	434	434	
27.2%	0	433	433	
28.4%	0	433	433	
29.6%	0	431	431	
30.9%	0	431	431	
32.1%	0	430	430	
33.3%	0	430	430	
34.6%	0	430	430	
35.8%	0	429	429	
37.0%	0	427	427	
38.3%	0	426	426	
39.5%	0	425	425	
40.7%	0	425	425	
42.0%	0	425	425	
43.2%	0	424	424	
44.4%	0	423	423	
45.7%	0	423	423	
46.9%	0	423	423	
48.1%	0	423	423	
49.4%	0	422	422	
50.6%	0	422	422	
51.9%	0	422	422	
53.1%	0	421	421	
54.3%	0	421	421	
55.6%	0	418	418	
56.8%	0	418	418	
58.0%	0	417	417	
59.3%	0	415	415	
60.5%	0	414	414	
61.7%	0	414	414	
63.0%	0	412	412	
64.2%	0	412	412	
65.4%	0	409	409	
66.7%	0	408	408	
67.9%	0	407	407	
69.1%	0	407	407	
70.4%	0	403	403	
71.6%	0	403	403	
72.8%	0	399	399	
74.1%	0	399	399	
75.3%	0	398	398	
76.5%	0	388	388	
77.8%	0	384	384	
79.0%	0	382	382	
80.2%	0	377	377	
81.5%	0	376	376	
82.7%	0	372	372	
84.0%	0	359	359	
85.2%	0	348	348	
86.4%	0	342	342	
87.7%	0	342	342	
88.9%	0	342	342	
90.1%	0	342	342	
91.4%	0	342	342	
92.6%	0	342	342	
93.8%	0	342	342	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	472	472	
9.9%	0	466	466	
11.1%	0	462	462	
12.3%	0	462	462	
13.6%	0	458	458	
14.8%	0	457	457	
16.0%	0	456	456	
17.3%	0	456	456	
18.5%	0	454	454	
19.8%	0	453	453	
21.0%	0	453	453	
22.2%	0	451	451	
23.5%	0	451	451	
24.7%	0	450	450	
25.9%	0	447	447	
27.2%	0	445	445	
28.4%	0	445	445	
29.6%	0	443	443	
30.9%	0	442	442	
32.1%	0	441	441	
33.3%	0	441	441	
34.6%	0	440	440	
35.8%	0	440	440	
37.0%	0	437	437	
38.3%	0	437	437	
39.5%	0	437	437	
40.7%	0	436	436	
42.0%	0	436	436	
43.2%	0	432	432	
44.4%	0	431	431	
45.7%	0	431	431	
46.9%	0	430	430	
48.1%	0	430	430	
49.4%	0	430	430	
50.6%	0	428	428	
51.9%	0	426	426	
53.1%	0	426	426	
54.3%	0	425	425	
55.6%	0	424	424	
56.8%	0	423	423	
58.0%	0	423	423	
59.3%	0	422	422	
60.5%	0	419	419	
61.7%	0	418	418	
63.0%	0	418	418	
64.2%	0	417	417	
65.4%	0	415	415	
66.7%	0	413	413	
67.9%	0	412	412	
69.1%	0	410	410	
70.4%	0	410	410	
71.6%	0	404	404	
72.8%	0	403	403	
74.1%	0	399	399	
75.3%	0	399	399	
76.5%	0	399	399	
77.8%	0	390	390	
79.0%	0	389	389	
80.2%	0	386	386	
81.5%	0	383	383	
82.7%	0	375	375	
84.0%	0	373	373	
85.2%	0	370	370	
86.4%	0	360	360	
87.7%	0	354	354	
88.9%	0	349	349	
90.1%	0	346	346	
91.4%	0	344	344	
92.6%	0	342	342	
93.8%	0	342	342	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	474	474	
14.8%	0	474	474	
16.0%	0	474	474	
17.3%	0	474	474	
18.5%	0	474	474	
19.8%	0	474	474	
21.0%	0	469	469	
22.2%	0	466	466	
23.5%	0	466	466	
24.7%	0	464	464	
25.9%	0	463	463	
27.2%	0	463	463	
28.4%	0	462	462	
29.6%	0	461	461	
30.9%	0	461	461	
32.1%	0	461	461	
33.3%	0	460	460	
34.6%	0	458	458	
35.8%	0	457	457	
37.0%	0	456	456	
38.3%	0	455	455	
39.5%	0	455	455	
40.7%	0	455	455	
42.0%	0	454	454	
43.2%	0	452	452	
44.4%	0	451	451	
45.7%	0	450	450	
46.9%	0	449	449	
48.1%	0	448	448	
49.4%	0	448	448	
50.6%	0	445	445	
51.9%	0	443	443	
53.1%	0	441	441	
54.3%	0	440	440	
55.6%	0	440	440	
56.8%	0	436	436	
58.0%	0	436	436	
59.3%	0	432	432	
60.5%	0	431	431	
61.7%	0	431	431	
63.0%	0	430	430	
64.2%	0	428	428	
65.4%	0	425	425	
66.7%	0	424	424	
67.9%	0	424	424	
69.1%	0	422	422	
70.4%	0	422	422	
71.6%	0	418	418	
72.8%	0	417	417	
74.1%	0	416	416	
75.3%	0	410	410	
76.5%	0	410	410	
77.8%	0	408	408	
79.0%	0	407	407	
80.2%	0	404	404	
81.5%	0	399	399	
82.7%	0	392	392	
84.0%	0	388	388	
85.2%	0	388	388	
86.4%	0	386	386	
87.7%	0	383	383	
88.9%	0	383	383	
90.1%	0	381	381	
91.4%	0	381	381	
92.6%	0	363	363	
93.8%	0	361	361	
95.1%	0	344	344	
96.3%	0	344	344	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

Table OP-10-3b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	474	474	
14.8%	0	474	474	
16.0%	0	474	474	
17.3%	0	474	474	
18.5%	0	474	474	
19.8%	0	474	474	
21.0%	0	474	474	
22.2%	0	474	474	
23.5%	0	474	474	
24.7%	0	474	474	
25.9%	0	474	474	
27.2%	0	474	474	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	474	474	
32.1%	0	474	474	
33.3%	0	473	473	
34.6%	0	473	473	
35.8%	0	472	472	
37.0%	0	471	471	
38.3%	0	471	471	
39.5%	0	471	471	
40.7%	0	470	470	
42.0%	0	470	470	
43.2%	0	469	469	
44.4%	0	468	468	
45.7%	0	467	467	
46.9%	0	464	464	
48.1%	0	464	464	
49.4%	0	461	461	
50.6%	0	460	460	
51.9%	0	459	459	
53.1%	0	456	456	
54.3%	0	454	454	
55.6%	0	452	452	
56.8%	0	449	449	
58.0%	0	449	449	
59.3%	0	448	448	
60.5%	0	446	446	
61.7%	0	446	446	
63.0%	0	445	445	
64.2%	0	445	445	
65.4%	0	443	443	
66.7%	0	441	441	
67.9%	0	441	441	
69.1%	0	439	439	
70.4%	0	438	438	
71.6%	0	437	437	
72.8%	0	434	434	
74.1%	0	432	432	
75.3%	0	432	432	
76.5%	0	431	431	
77.8%	0	428	428	
79.0%	0	420	420	
80.2%	0	418	418	
81.5%	0	414	414	
82.7%	0	413	413	
84.0%	0	413	413	
85.2%	0	411	411	
86.4%	0	410	410	
87.7%	0	405	405	
88.9%	0	397	397	
90.1%	0	387	387	
91.4%	0	386	386	
92.6%	0	385	385	
93.8%	0	377	377	
95.1%	0	374	374	
96.3%	0	363	363	
97.5%	0	344	344	
98.8%	0	342	342	
100.0%	0	342	342	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	474	474	
14.8%	0	474	474	
16.0%	0	474	474	
17.3%	0	474	474	
18.5%	0	474	474	
19.8%	0	474	474	
21.0%	0	474	474	
22.2%	0	474	474	
23.5%	0	474	474	
24.7%	0	474	474	
25.9%	0	474	474	
27.2%	0	474	474	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	474	474	
32.1%	0	474	474	
33.3%	0	474	474	
34.6%	0	474	474	
35.8%	0	474	474	
37.0%	0	474	474	
38.3%	0	474	474	
39.5%	0	474	474	
40.7%	0	474	474	
42.0%	0	474	474	
43.2%	0	474	474	
44.4%	0	474	474	
45.7%	0	474	474	
46.9%	0	474	474	
48.1%	0	474	474	
49.4%	0	474	474	
50.6%	0	474	474	
51.9%	0	474	474	
53.1%	0	472	472	
54.3%	0	471	471	
55.6%	0	468	468	
56.8%	0	468	468	
58.0%	0	468	468	
59.3%	0	467	467	
60.5%	0	466	466	
61.7%	0	466	466	
63.0%	0	463	463	
64.2%	0	462	462	
65.4%	0	462	462	
66.7%	0	460	460	
67.9%	0	459	459	
69.1%	0	458	458	
70.4%	0	455	455	
71.6%	0	455	455	
72.8%	0	453	453	
74.1%	0	452	452	
75.3%	0	451	451	
76.5%	0	448	448	
77.8%	0	446	446	
79.0%	0	442	442	
80.2%	0	438	438	
81.5%	0	432	432	
82.7%	0	430	430	
84.0%	0	424	424	
85.2%	0	421	421	
86.4%	0	418	418	
87.7%	0	414	414	
88.9%	0	406	406	
90.1%	0	402	402	
91.4%	0	401	401	
92.6%	0	395	395	
93.8%	0	388	388	
95.1%	0	384	384	
96.3%	0	378	378	
97.5%	0	374	374	
98.8%	0	370	370	
100.0%	0	363	363	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	474	474	
14.8%	0	474	474	
16.0%	0	474	474	
17.3%	0	474	474	
18.5%	0	474	474	
19.8%	0	474	474	
21.0%	0	474	474	
22.2%	0	474	474	
23.5%	0	474	474	
24.7%	0	474	474	
25.9%	0	474	474	
27.2%	0	474	474	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	474	474	
32.1%	0	474	474	
33.3%	0	474	474	
34.6%	0	474	474	
35.8%	0	474	474	
37.0%	0	474	474	
38.3%	0	474	474	
39.5%	0	474	474	
40.7%	0	474	474	
42.0%	0	474	474	
43.2%	0	474	474	
44.4%	0	474	474	
45.7%	0	474	474	
46.9%	0	472	472	
48.1%	0	472	472	
49.4%	0	472	472	
50.6%	0	469	469	
51.9%	0	468	468	
53.1%	0	468	468	
54.3%	0	468	468	
55.6%	0	468	468	
56.8%	0	467	467	
58.0%	0	466	466	
59.3%	0	466	466	
60.5%	0	466	466	
61.7%	0	466	466	
63.0%	0	464	464	
64.2%	0	464	464	
65.4%	0	463	463	
66.7%	0	459	459	
67.9%	0	459	459	
69.1%	0	456	456	
70.4%	0	455	455	
71.6%	0	452	452	
72.8%	0	451	451	
74.1%	0	451	451	
75.3%	0	450	450	
76.5%	0	450	450	
77.8%	0	447	447	
79.0%	0	447	447	
80.2%	0	446	446	
81.5%	0	444	444	
82.7%	0	440	440	
84.0%	0	423	423	
85.2%	0	415	415	
86.4%	0	411	411	
87.7%	0	409	409	
88.9%	0	406	406	
90.1%	0	402	402	
91.4%	0	401	401	
92.6%	0	400	400	
93.8%	0	390	390	
95.1%	0	381	381	
96.3%	0	370	370	
97.5%	0	363	363	
98.8%	0	355	355	
100.0%	0	349	349	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	474	474	
14.8%	0	474	474	
16.0%	0	474	474	
17.3%	0	474	474	
18.5%	0	474	474	
19.8%	0	474	474	
21.0%	0	474	474	
22.2%	0	474	474	
23.5%	0	474	474	
24.7%	0	474	474	
25.9%	0	474	474	
27.2%	0	474	474	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	474	474	
32.1%	0	474	474	
33.3%	0	474	474	
34.6%	0	474	474	
35.8%	0	474	474	
37.0%	0	474	474	
38.3%	0	471	471	
39.5%	0	471	471	
40.7%	0	471	471	
42.0%	0	471	471	
43.2%	0	471	471	
44.4%	0	471	471	
45.7%	0	471	471	
46.9%	0	471	471	
48.1%	0	469	469	
49.4%	0	469	469	
50.6%	0	467	467	
51.9%	0	466	466	
53.1%	0	466	466	
54.3%	0	465	465	
55.6%	0	465	465	
56.8%	0	465	465	
58.0%	0	464	464	
59.3%	0	463	463	
60.5%	0	463	463	
61.7%	0	463	463	
63.0%	0	461	461	
64.2%	0	461	461	
65.4%	0	459	459	
66.7%	0	458	458	
67.9%	0	458	458	
69.1%	0	456	456	
70.4%	0	454	454	
71.6%	0	451	451	
72.8%	0	451	451	
74.1%	0	450	450	
75.3%	0	448	448	
76.5%	0	444	444	
77.8%	0	442	442	
79.0%	0	442	442	
80.2%	0	440	440	
81.5%	0	438	438	
82.7%	0	437	437	
84.0%	0	412	412	
85.2%	0	409	409	
86.4%	0	406	406	
87.7%	0	395	395	
88.9%	0	394	394	
90.1%	0	385	385	
91.4%	0	385	385	
92.6%	0	380	380	
93.8%	0	379	379	
95.1%	0	378	378	
96.3%	0	369	369	
97.5%	0	348	348	
98.8%	0	347	347	
100.0%	0	342	342	

Table OP-10-3b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	474	474	
4.9%	0	474	474	
6.2%	0	474	474	
7.4%	0	474	474	
8.6%	0	474	474	
9.9%	0	474	474	
11.1%	0	474	474	
12.3%	0	474	474	
13.6%	0	473	473	
14.8%	0	473	473	
16.0%	0	473	473	
17.3%	0	473	473	
18.5%	0	473	473	
19.8%	0	473	473	
21.0%	0	473	473	
22.2%	0	473	473	
23.5%	0	472	472	
24.7%	0	472	472	
25.9%	0	472	472	
27.2%	0	472	472	
28.4%	0	472	472	
29.6%	0	471	471	
30.9%	0	471	471	
32.1%	0	471	471	
33.3%	0	471	471	
34.6%	0	471	471	
35.8%	0	469	469	
37.0%	0	465	465	
38.3%	0	465	465	
39.5%	0	464	464	
40.7%	0	464	464	
42.0%	0	464	464	
43.2%	0	464	464	
44.4%	0	464	464	
45.7%	0	463	463	
46.9%	0	463	463	
48.1%	0	463	463	
49.4%	0	462	462	
50.6%	0	462	462	
51.9%	0	461	461	
53.1%	0	461	461	
54.3%	0	460	460	
55.6%	0	459	459	
56.8%	0	459	459	
58.0%	0	458	458	
59.3%	0	458	458	
60.5%	0	457	457	
61.7%	0	457	457	
63.0%	0	456	456	
64.2%	0	451	451	
65.4%	0	451	451	
66.7%	0	449	449	
67.9%	0	448	448	
69.1%	0	447	447	
70.4%	0	446	446	
71.6%	0	445	445	
72.8%	0	440	440	
74.1%	0	440	440	
75.3%	0	439	439	
76.5%	0	439	439	
77.8%	0	437	437	
79.0%	0	435	435	
80.2%	0	434	434	
81.5%	0	432	432	
82.7%	0	425	425	
84.0%	0	411	411	
85.2%	0	394	394	
86.4%	0	394	394	
87.7%	0	393	393	
88.9%	0	391	391	
90.1%	0	384	384	
91.4%	0	380	380	
92.6%	0	370	370	
93.8%	0	369	369	
95.1%	0	363	363	
96.3%	0	352	352	
97.5%	0	347	347	
98.8%	0	346	346	
100.0%	0	342	342	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	473	473	
4.9%	0	472	472	
6.2%	0	470	470	
7.4%	0	470	470	
8.6%	0	470	470	
9.9%	0	469	469	
11.1%	0	469	469	
12.3%	0	468	468	
13.6%	0	467	467	
14.8%	0	466	466	
16.0%	0	465	465	
17.3%	0	465	465	
18.5%	0	465	465	
19.8%	0	464	464	
21.0%	0	463	463	
22.2%	0	462	462	
23.5%	0	462	462	
24.7%	0	462	462	
25.9%	0	461	461	
27.2%	0	460	460	
28.4%	0	460	460	
29.6%	0	460	460	
30.9%	0	458	458	
32.1%	0	457	457	
33.3%	0	456	456	
34.6%	0	456	456	
35.8%	0	455	455	
37.0%	0	455	455	
38.3%	0	454	454	
39.5%	0	454	454	
40.7%	0	453	453	
42.0%	0	453	453	
43.2%	0	453	453	
44.4%	0	452	452	
45.7%	0	452	452	
46.9%	0	451	451	
48.1%	0	449	449	
49.4%	0	448	448	
50.6%	0	448	448	
51.9%	0	448	448	
53.1%	0	447	447	
54.3%	0	447	447	
55.6%	0	445	445	
56.8%	0	443	443	
58.0%	0	443	443	
59.3%	0	443	443	
60.5%	0	442	442	
61.7%	0	442	442	
63.0%	0	441	441	
64.2%	0	439	439	
65.4%	0	439	439	
66.7%	0	438	438	
67.9%	0	436	436	
69.1%	0	431	431	
70.4%	0	431	431	
71.6%	0	430	430	
72.8%	0	428	428	
74.1%	0	427	427	
75.3%	0	425	425	
76.5%	0	424	424	
77.8%	0	424	424	
79.0%	0	416	416	
80.2%	0	415	415	
81.5%	0	414	414	
82.7%	0	413	413	
84.0%	0	395	395	
85.2%	0	393	393	
86.4%	0	392	392	
87.7%	0	383	383	
88.9%	0	381	381	
90.1%	0	379	379	
91.4%	0	377	377	
92.6%	0	352	352	
93.8%	0	350	350	
95.1%	0	346	346	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	474	474	
3.7%	0	473	473	
4.9%	0	470	470	
6.2%	0	470	470	
7.4%	0	469	469	
8.6%	0	468	468	
9.9%	0	464	464	
11.1%	0	464	464	
12.3%	0	463	463	
13.6%	0	463	463	
14.8%	0	463	463	
16.0%	0	463	463	
17.3%	0	457	457	
18.5%	0	457	457	
19.8%	0	456	456	
21.0%	0	456	456	
22.2%	0	456	456	
23.5%	0	456	456	
24.7%	0	455	455	
25.9%	0	454	454	
27.2%	0	454	454	
28.4%	0	454	454	
29.6%	0	453	453	
30.9%	0	453	453	
32.1%	0	451	451	
33.3%	0	450	450	
34.6%	0	450	450	
35.8%	0	450	450	
37.0%	0	449	449	
38.3%	0	449	449	
39.5%	0	448	448	
40.7%	0	448	448	
42.0%	0	445	445	
43.2%	0	445	445	
44.4%	0	441	441	
45.7%	0	440	440	
46.9%	0	440	440	
48.1%	0	440	440	
49.4%	0	440	440	
50.6%	0	440	440	
51.9%	0	439	439	
53.1%	0	439	439	
54.3%	0	439	439	
55.6%	0	438	438	
56.8%	0	437	437	
58.0%	0	437	437	
59.3%	0	435	435	
60.5%	0	434	434	
61.7%	0	433	433	
63.0%	0	432	432	
64.2%	0	431	431	
65.4%	0	429	429	
66.7%	0	426	426	
67.9%	0	426	426	
69.1%	0	421	421	
70.4%	0	420	420	
71.6%	0	420	420	
72.8%	0	420	420	
74.1%	0	419	419	
75.3%	0	414	414	
76.5%	0	414	414	
77.8%	0	413	413	
79.0%	0	411	411	
80.2%	0	404	404	
81.5%	0	403	403	
82.7%	0	400	400	
84.0%	0	382	382	
85.2%	0	380	380	
86.4%	0	379	379	
87.7%	0	368	368	
88.9%	0	365	365	
90.1%	0	363	363	
91.4%	0	361	361	
92.6%	0	344	344	
93.8%	0	344	344	
95.1%	0	344	344	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	474	474	
1.2%	0	474	474	
2.5%	0	471	471	
3.7%	0	468	468	
4.9%	0	467	467	
6.2%	0	467	467	
7.4%	0	466	466	
8.6%	0	457	457	
9.9%	0	456	456	
11.1%	0	456	456	
12.3%	0	455	455	
13.6%	0	452	452	
14.8%	0	452	452	
16.0%	0	451	451	
17.3%	0	450	450	
18.5%	0	448	448	
19.8%	0	447	447	
21.0%	0	446	446	
22.2%	0	446	446	
23.5%	0	445	445	
24.7%	0	445	445	
25.9%	0	445	445	
27.2%	0	444	444	
28.4%	0	444	444	
29.6%	0	444	444	
30.9%	0	443	443	
32.1%	0	443	443	
33.3%	0	443	443	
34.6%	0	443	443	
35.8%	0	442	442	
37.0%	0	441	441	
38.3%	0	440	440	
39.5%	0	439	439	
40.7%	0	438	438	
42.0%	0	438	438	
43.2%	0	437	437	
44.4%	0	437	437	
45.7%	0	436	436	
46.9%	0	436	436	
48.1%	0	434	434	
49.4%	0	433	433	
50.6%	0	433	433	
51.9%	0	432	432	
53.1%	0	431	431	
54.3%	0	430	430	
55.6%	0	430	430	
56.8%	0	429	429	
58.0%	0	428	428	
59.3%	0	428	428	
60.5%	0	425	425	
61.7%	0	425	425	
63.0%	0	424	424	
64.2%	0	423	423	
65.4%	0	422	422	
66.7%	0	417	417	
67.9%	0	416	416	
69.1%	0	416	416	
70.4%	0	415	415	
71.6%	0	415	415	
72.8%	0	409	409	
74.1%	0	408	408	
75.3%	0	407	407	
76.5%	0	406	406	
77.8%	0	403	403	
79.0%	0	402	402	
80.2%	0	393	393	
81.5%	0	392	392	
82.7%	0	389	389	
84.0%	0	367	367	
85.2%	0	365	365	
86.4%	0	364	364	
87.7%	0	351	351	
88.9%	0	350	350	
90.1%	0	347	347	
91.4%	0	346	346	
92.6%	0	346	346	
93.8%	0	344	344	
95.1%	0	344	344	
96.3%	0	344	344	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

Table OP-11-3a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	8,659	8,421	8,931	9,774	10,457	10,985	10,936	10,754	10,484	9,897	9,486	9,036
Difference	8,659	8,421	8,931	9,774	10,457	10,985	10,936	10,754	10,484	9,897	9,486	9,036
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	10,401	10,031	10,627	11,358	11,823	12,002	12,030	12,005	11,897	11,417	11,230	10,780
Difference	10,401	10,031	10,627	11,358	11,823	12,002	12,030	12,005	11,897	11,417	11,230	10,780
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	9,993	9,695	10,340	10,100	11,030	11,732	11,886	11,911	11,691	11,016	10,673	10,238
Difference	9,993	9,695	10,340	10,100	11,030	11,732	11,886	11,911	11,691	11,016	10,673	10,238
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	9,070	8,885	9,251	9,655	10,414	11,187	11,409	11,379	11,067	10,223	9,711	9,387
Difference	9,070	8,885	9,251	9,655	10,414	11,187	11,409	11,379	11,067	10,223	9,711	9,387
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	7,370	7,225	7,576	9,086	9,970	10,684	10,547	10,084	9,610	9,026	8,374	7,856
Difference	7,370	7,225	7,576	9,086	9,970	10,684	10,547	10,084	9,610	9,026	8,374	7,856
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative A	5,007	4,912	5,505	7,185	7,705	8,249	7,651	7,162	6,846	6,415	5,923	5,417
Difference	5,007	4,912	5,505	7,185	7,705	8,249	7,651	7,162	6,846	6,415	5,923	5,417
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-3b
Sites Reservoir, End of Month Area
Probability of Exceedance

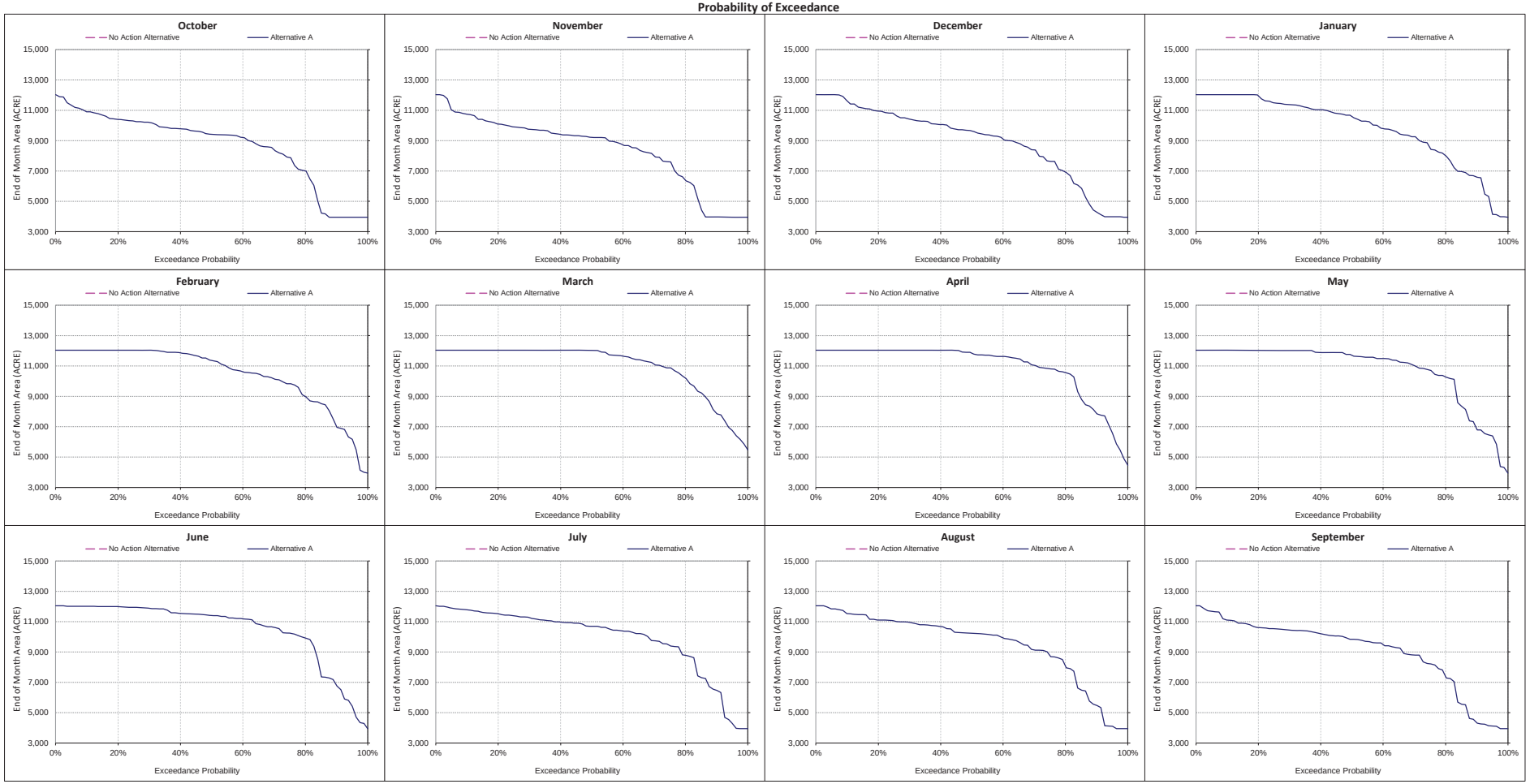

Table OP-11-3b

Sites Reservoir, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	11,899	11,899	
2.5%	0	11,881	11,881	
3.7%	0	11,499	11,499	
4.9%	0	11,352	11,352	
6.2%	0	11,189	11,189	
7.4%	0	11,145	11,145	
8.6%	0	11,032	11,032	
9.9%	0	10,899	10,899	
11.1%	0	10,895	10,895	
12.3%	0	10,826	10,826	
13.6%	0	10,789	10,789	
14.8%	0	10,703	10,703	
16.0%	0	10,606	10,606	
17.3%	0	10,460	10,460	
18.5%	0	10,441	10,441	
19.8%	0	10,405	10,405	
21.0%	0	10,386	10,386	
22.2%	0	10,360	10,360	
23.5%	0	10,320	10,320	
24.7%	0	10,306	10,306	
25.9%	0	10,257	10,257	
27.2%	0	10,254	10,254	
28.4%	0	10,214	10,214	
29.6%	0	10,210	10,210	
30.9%	0	10,160	10,160	
32.1%	0	10,055	10,055	
33.3%	0	9,904	9,904	
34.6%	0	9,886	9,886	
35.8%	0	9,859	9,859	
37.0%	0	9,803	9,803	
38.3%	0	9,801	9,801	
39.5%	0	9,786	9,786	
40.7%	0	9,768	9,768	
42.0%	0	9,747	9,747	
43.2%	0	9,677	9,677	
44.4%	0	9,643	9,643	
45.7%	0	9,612	9,612	
46.9%	0	9,560	9,560	
48.1%	0	9,473	9,473	
49.4%	0	9,411	9,411	
50.6%	0	9,405	9,405	
51.9%	0	9,404	9,404	
53.1%	0	9,390	9,390	
54.3%	0	9,375	9,375	
55.6%	0	9,371	9,371	
56.8%	0	9,343	9,343	
58.0%	0	9,321	9,321	
59.3%	0	9,220	9,220	
60.5%	0	9,190	9,190	
61.7%	0	9,005	9,005	
63.0%	0	8,948	8,948	
64.2%	0	8,792	8,792	
65.4%	0	8,651	8,651	
66.7%	0	8,612	8,612	
67.9%	0	8,586	8,586	
69.1%	0	8,563	8,563	
70.4%	0	8,332	8,332	
71.6%	0	8,198	8,198	
72.8%	0	8,118	8,118	
74.1%	0	7,930	7,930	
75.3%	0	7,869	7,869	
76.5%	0	7,354	7,354	
77.8%	0	7,119	7,119	
79.0%	0	7,042	7,042	
80.2%	0	7,004	7,004	
81.5%	0	6,465	6,465	
82.7%	0	6,062	6,062	
84.0%	0	5,031	5,031	
85.2%	0	4,230	4,230	
86.4%	0	4,174	4,174	
87.7%	0	3,950	3,950	
88.9%	0	3,950	3,950	
90.1%	0	3,950	3,950	
91.4%	0	3,950	3,950	
92.6%	0	3,950	3,950	
93.8%	0	3,950	3,950	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	11,978	11,978	
3.7%	0	11,760	11,760	
4.9%	0	11,034	11,034	
6.2%	0	10,886	10,886	
7.4%	0	10,864	10,864	
8.6%	0	10,799	10,799	
9.9%	0	10,741	10,741	
11.1%	0	10,707	10,707	
12.3%	0	10,649	10,649	
13.6%	0	10,411	10,411	
14.8%	0	10,402	10,402	
16.0%	0	10,306	10,306	
17.3%	0	10,254	10,254	
18.5%	0	10,202	10,202	
19.8%	0	10,096	10,096	
21.0%	0	10,079	10,079	
22.2%	0	10,036	10,036	
23.5%	0	9,976	9,976	
24.7%	0	9,911	9,911	
25.9%	0	9,894	9,894	
27.2%	0	9,862	9,862	
28.4%	0	9,841	9,841	
29.6%	0	9,748	9,748	
30.9%	0	9,738	9,738	
32.1%	0	9,715	9,715	
33.3%	0	9,691	9,691	
34.6%	0	9,686	9,686	
35.8%	0	9,654	9,654	
37.0%	0	9,493	9,493	
38.3%	0	9,468	9,468	
39.5%	0	9,422	9,422	
40.7%	0	9,387	9,387	
42.0%	0	9,382	9,382	
43.2%	0	9,354	9,354	
44.4%	0	9,320	9,320	
45.7%	0	9,319	9,319	
46.9%	0	9,292	9,292	
48.1%	0	9,284	9,284	
49.4%	0	9,227	9,227	
50.6%	0	9,216	9,216	
51.9%	0	9,208	9,208	
53.1%	0	9,207	9,207	
54.3%	0	9,187	9,187	
55.6%	0	8,964	8,964	
56.8%	0	8,957	8,957	
58.0%	0	8,885	8,885	
59.3%	0	8,795	8,795	
60.5%	0	8,672	8,672	
61.7%	0	8,670	8,670	
63.0%	0	8,537	8,537	
64.2%	0	8,527	8,527	
65.4%	0	8,356	8,356	
66.7%	0	8,268	8,268	
67.9%	0	8,214	8,214	
69.1%	0	8,171	8,171	
70.4%	0	7,916	7,916	
71.6%	0	7,908	7,908	
72.8%	0	7,644	7,644	
74.1%	0	7,613	7,613	
75.3%	0	7,601	7,601	
76.5%	0	7,016	7,016	
77.8%	0	6,728	6,728	
79.0%	0	6,616	6,616	
80.2%	0	6,347	6,347	
81.5%	0	6,252	6,252	
82.7%	0	6,041	6,041	
84.0%	0	5,188	5,188	
85.2%	0	4,409	4,409	
86.4%	0	3,965	3,965	
87.7%	0	3,963	3,963	
88.9%	0	3,963	3,963	
90.1%	0	3,963	3,963	
91.4%	0	3,963	3,963	
92.6%	0	3,963	3,963	
93.8%	0	3,950	3,950	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,036	12,036	
7.4%	0	12,022	12,022	
8.6%	0	11,909	11,909	
9.9%	0	11,646	11,646	
11.1%	0	11,423	11,423	
12.3%	0	11,415	11,415	
13.6%	0	11,211	11,211	
14.8%	0	11,161	11,161	
16.0%	0	11,105	11,105	
17.3%	0	11,088	11,088	
18.5%	0	10,982	10,982	
19.8%	0	10,947	10,947	
21.0%	0	10,943	10,943	
22.2%	0	10,852	10,852	
23.5%	0	10,820	10,820	
24.7%	0	10,810	10,810	
25.9%	0	10,626	10,626	
27.2%	0	10,514	10,514	
28.4%	0	10,513	10,513	
29.6%	0	10,433	10,433	
30.9%	0	10,379	10,379	
32.1%	0	10,329	10,329	
33.3%	0	10,291	10,291	
34.6%	0	10,282	10,282	
35.8%	0	10,275	10,275	
37.0%	0	10,117	10,117	
38.3%	0	10,103	10,103	
39.5%	0	10,070	10,070	
40.7%	0	10,060	10,060	
42.0%	0	10,034	10,034	
43.2%	0	9,831	9,831	
44.4%	0	9,771	9,771	
45.7%	0	9,727	9,727	
46.9%	0	9,714	9,714	
48.1%	0	9,695	9,695	
49.4%	0	9,677	9,677	
50.6%	0	9,605	9,605	
51.9%	0	9,491	9,491	
53.1%	0	9,444	9,444	
54.3%	0	9,395	9,395	
55.6%	0	9,377	9,377	
56.8%	0	9,314	9,314	
58.0%	0	9,299	9,299	
59.3%	0	9,230	9,230	
60.5%	0	9,032	9,032	
61.7%	0	8,994	8,994	
63.0%	0	8,987	8,987	
64.2%	0	8,885	8,885	
65.4%	0	8,802	8,802	
66.7%	0	8,645	8,645	
67.9%	0	8,566	8,566	
69.1%	0	8,396	8,396	
70.4%	0	8,385	8,385	
71.6%	0	7,971	7,971	
72.8%	0	7,943	7,943	
74.1%	0	7,665	7,665	
75.3%	0	7,638	7,638	
76.5%	0	7,626	7,626	
77.8%	0	7,123	7,123	
79.0%	0	7,039	7,039	
80.2%	0	6,891	6,891	
81.5%	0	6,697	6,697	
82.7%	0	6,181	6,181	
84.0%	0	6,066	6,066	
85.2%	0	5,859	5,859	
86.4%	0	5,264	5,264	
87.7%	0	4,810	4,810	
88.9%	0	4,438	4,438	
90.1%	0	4,275	4,275	
91.4%	0	4,127	4,127	
92.6%	0	3,990	3,990	
93.8%	0	3,989	3,989	
95.1%	0	3,989	3,989	
96.3%	0	3,989	3,989	
97.5%	0	3,989	3,989	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,041	12,041	
7.4%	0	12,041	12,041	
8.6%	0	12,041	12,041	
9.9%	0	12,041	12,041	
11.1%	0	12,041	12,041	
12.3%	0	12,041	12,041	
13.6%	0	12,041	12,041	
14.8%	0	12,038	12,038	
16.0%	0	12,036	12,036	
17.3%	0	12,034	12,034	
18.5%	0	12,026	12,026	
19.8%	0	12,012	12,012	
21.0%	0	11,766	11,766	
22.2%	0	11,629	11,629	
23.5%	0	11,598	11,598	
24.7%	0	11,503	11,503	
25.9%	0	11,460	11,460	
27.2%	0	11,459	11,459	
28.4%	0	11,405	11,405	
29.6%	0	11,381	11,381	
30.9%	0	11,371	11,371	
32.1%	0	11,356	11,356	
33.3%	0	11,300	11,300	
34.6%	0	11,222	11,222	
35.8%	0	11,178	11,178	
37.0%	0	11,091	11,091	
38.3%	0	11,048	11,048	
39.5%	0	11,039	11,039	
40.7%	0	11,035	11,035	
42.0%	0	10,991	10,991	
43.2%	0	10,909	10,909	
44.4%	0	10,820	10,820	
45.7%	0	10,789	10,789	
46.9%	0	10,753	10,753	
48.1%	0	10,686	10,686	
49.4%	0	10,674	10,674	
50.6%	0	10,506	10,506	
51.9%	0	10,407	10,407	
53.1%	0	10,291	10,291	
54.3%	0	10,288	10,288	
55.6%	0	10,255	10,255	
56.8%	0	10,034	10,034	
58.0%	0	10,015	10,015	
59.3%	0	9,831	9,831	
60.5%	0	9,776	9,776	
61.7%	0	9,753	9,753	
63.0%	0	9,695	9,695	
64.2%	0	9,605	9,605	
65.4%	0	9,433	9,433	
66.7%	0	9,377	9,377	
67.9%	0	9,356	9,356	
69.1%	0	9,256	9,256	
70.4%	0	9,250	9,250	
71.6%	0	8,994	8,994	
72.8%	0	8,899	8,899	
74.1%	0	8,870	8,870	
75.3%	0	8,428	8,428	
76.5%	0	8,385	8,385	
77.8%	0	8,243	8,243	
79.0%	0	8,174	8,174	
80.2%	0	7,971	7,971	
81.5%	0	7,665	7,665	
82.7%	0	7,219	7,219	
84.0%	0	6,977	6,977	
85.2%	0	6,971	6,971	
86.4%	0	6,891	6,891	
87.7%	0	6,710	6,710	
88.9%	0	6,697	6,697	
90.1%	0	6,587	6,587	
91.4%	0	6,553	6,553	
92.6%	0	5,472	5,472	
93.8%	0	5,318	5,318	
95.1%	0	4,132	4,132	
96.3%	0	4,127	4,127	
97.5%	0	3,989	3,989	
98.8%	0	3,989	3,989	
100.0%	0	3,950	3,950	

Table OP-11-3b
Sites Reservoir, End of Month Area
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,041	12,041	
7.4%	0	12,041	12,041	
8.6%	0	12,041	12,041	
9.9%	0	12,041	12,041	
11.1%	0	12,041	12,041	
12.3%	0	12,041	12,041	
13.6%	0	12,041	12,041	
14.8%	0	12,041	12,041	
16.0%	0	12,041	12,041	
17.3%	0	12,041	12,041	
18.5%	0	12,041	12,041	
19.8%	0	12,041	12,041	
21.0%	0	12,041	12,041	
22.2%	0	12,041	12,041	
23.5%	0	12,041	12,041	
24.7%	0	12,041	12,041	
25.9%	0	12,041	12,041	
27.2%	0	12,041	12,041	
28.4%	0	12,041	12,041	
29.6%	0	12,038	12,038	
30.9%	0	12,036	12,036	
32.1%	0	12,026	12,026	
33.3%	0	11,994	11,994	
34.6%	0	11,955	11,955	
35.8%	0	11,898	11,898	
37.0%	0	11,897	11,897	
38.3%	0	11,894	11,894	
39.5%	0	11,889	11,889	
40.7%	0	11,829	11,829	
42.0%	0	11,812	11,812	
43.2%	0	11,766	11,766	
44.4%	0	11,700	11,700	
45.7%	0	11,653	11,653	
46.9%	0	11,522	11,522	
48.1%	0	11,520	11,520	
49.4%	0	11,386	11,386	
50.6%	0	11,340	11,340	
51.9%	0	11,280	11,280	
53.1%	0	11,114	11,114	
54.3%	0	11,024	11,024	
55.6%	0	10,882	10,882	
56.8%	0	10,753	10,753	
58.0%	0	10,724	10,724	
59.3%	0	10,662	10,662	
60.5%	0	10,590	10,590	
61.7%	0	10,573	10,573	
63.0%	0	10,530	10,530	
64.2%	0	10,522	10,522	
65.4%	0	10,446	10,446	
66.7%	0	10,308	10,308	
67.9%	0	10,291	10,291	
69.1%	0	10,223	10,223	
70.4%	0	10,124	10,124	
71.6%	0	10,081	10,081	
72.8%	0	9,945	9,945	
74.1%	0	9,831	9,831	
75.3%	0	9,827	9,827	
76.5%	0	9,753	9,753	
77.8%	0	9,592	9,592	
79.0%	0	9,106	9,106	
80.2%	0	8,955	8,955	
81.5%	0	8,708	8,708	
82.7%	0	8,644	8,644	
84.0%	0	8,630	8,630	
85.2%	0	8,516	8,516	
86.4%	0	8,441	8,441	
87.7%	0	8,054	8,054	
88.9%	0	7,524	7,524	
90.1%	0	6,950	6,950	
91.4%	0	6,891	6,891	
92.6%	0	6,814	6,814	
93.8%	0	6,320	6,320	
95.1%	0	6,166	6,166	
96.3%	0	5,472	5,472	
97.5%	0	4,132	4,132	
98.8%	0	3,989	3,989	
100.0%	0	3,950	3,950	

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,041	12,041	
7.4%	0	12,041	12,041	
8.6%	0	12,041	12,041	
9.9%	0	12,041	12,041	
11.1%	0	12,041	12,041	
12.3%	0	12,041	12,041	
13.6%	0	12,041	12,041	
14.8%	0	12,041	12,041	
16.0%	0	12,041	12,041	
17.3%	0	12,041	12,041	
18.5%	0	12,041	12,041	
19.8%	0	12,041	12,041	
21.0%	0	12,041	12,041	
22.2%	0	12,041	12,041	
23.5%	0	12,041	12,041	
24.7%	0	12,041	12,041	
25.9%	0	12,041	12,041	
27.2%	0	12,041	12,041	
28.4%	0	12,041	12,041	
29.6%	0	12,041	12,041	
30.9%	0	12,041	12,041	
32.1%	0	12,041	12,041	
33.3%	0	12,041	12,041	
34.6%	0	12,041	12,041	
35.8%	0	12,041	12,041	
37.0%	0	12,041	12,041	
38.3%	0	12,041	12,041	
39.5%	0	12,041	12,041	
40.7%	0	12,041	12,041	
42.0%	0	12,041	12,041	
43.2%	0	12,041	12,041	
44.4%	0	12,041	12,041	
45.7%	0	12,041	12,041	
46.9%	0	12,038	12,038	
48.1%	0	12,038	12,038	
49.4%	0	12,036	12,036	
50.6%	0	12,026	12,026	
51.9%	0	12,014	12,014	
53.1%	0	11,917	11,917	
54.3%	0	11,897	11,897	
55.6%	0	11,730	11,730	
56.8%	0	11,722	11,722	
58.0%	0	11,700	11,700	
59.3%	0	11,681	11,681	
60.5%	0	11,632	11,632	
61.7%	0	11,602	11,602	
63.0%	0	11,491	11,491	
64.2%	0	11,419	11,419	
65.4%	0	11,406	11,406	
66.7%	0	11,335	11,335	
67.9%	0	11,280	11,280	
69.1%	0	11,227	11,227	
70.4%	0	11,069	11,069	
71.6%	0	11,038	11,038	
72.8%	0	10,956	10,956	
74.1%	0	10,882	10,882	
75.3%	0	10,867	10,867	
76.5%	0	10,683	10,683	
77.8%	0	10,554	10,554	
79.0%	0	10,348	10,348	
80.2%	0	10,174	10,174	
81.5%	0	9,831	9,831	
82.7%	0	9,676	9,676	
84.0%	0	9,329	9,329	
85.2%	0	9,206	9,206	
86.4%	0	8,955	8,955	
87.7%	0	8,670	8,670	
88.9%	0	8,139	8,139	
90.1%	0	7,850	7,850	
91.4%	0	7,784	7,784	
92.6%	0	7,383	7,383	
93.8%	0	6,964	6,964	
95.1%	0	6,749	6,749	
96.3%	0	6,414	6,414	
97.5%	0	6,166	6,166	
98.8%	0	5,864	5,864	
100.0%	0	5,472	5,472	

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,041	12,041	
7.4%	0	12,041	12,041	
8.6%	0	12,041	12,041	
9.9%	0	12,041	12,041	
11.1%	0	12,041	12,041	
12.3%	0	12,041	12,041	
13.6%	0	12,041	12,041	
14.8%	0	12,041	12,041	
16.0%	0	12,041	12,041	
17.3%	0	12,041	12,041	
18.5%	0	12,041	12,041	
19.8%	0	12,041	12,041	
21.0%	0	12,041	12,041	
22.2%	0	12,041	12,041	
23.5%	0	12,041	12,041	
24.7%	0	12,041	12,041	
25.9%	0	12,041	12,041	
27.2%	0	12,041	12,041	
28.4%	0	12,041	12,041	
29.6%	0	12,041	12,041	
30.9%	0	12,041	12,041	
32.1%	0	12,041	12,041	
33.3%	0	12,041	12,041	
34.6%	0	12,041	12,041	
35.8%	0	12,041	12,041	
37.0%	0	12,041	12,041	
38.3%	0	12,041	12,041	
39.5%	0	12,041	12,041	
40.7%	0	12,041	12,041	
42.0%	0	12,041	12,041	
43.2%	0	12,041	12,041	
44.4%	0	12,041	12,041	
45.7%	0	12,026	12,026	
46.9%	0	11,917	11,917	
48.1%	0	11,904	11,904	
49.4%	0	11,899	11,899	
50.6%	0	11,786	11,786	
51.9%	0	11,730	11,730	
53.1%	0	11,724	11,724	
54.3%	0	11,722	11,722	
55.6%	0	11,721	11,721	
56.8%	0	11,660	11,660	
58.0%	0	11,634	11,634	
59.3%	0	11,632	11,632	
60.5%	0	11,621	11,621	
61.7%	0	11,599	11,599	
63.0%	0	11,537	11,537	
64.2%	0	11,516	11,516	
65.4%	0	11,460	11,460	
66.7%	0	11,276	11,276	
67.9%	0	11,272	11,272	
69.1%	0	11,086	11,086	
70.4%	0	11,037	11,037	
71.6%	0	10,907	10,907	
72.8%	0	10,867	10,867	
74.1%	0	10,845	10,845	
75.3%	0	10,799	10,799	
76.5%	0	10,792	10,792	
77.8%	0	10,658	10,658	
79.0%	0	10,611	10,611	
80.2%	0	10,554	10,554	
81.5%	0	10,470	10,470	
82.7%	0	10,283	10,283	
84.0%	0	9,302	9,302	
85.2%	0	8,788	8,788	
86.4%	0	8,449	8,449	
87.7%	0	8,361	8,361	
88.9%	0	8,140	8,140	
90.1%	0	7,850	7,850	
91.4%	0	7,765	7,765	
92.6%	0	7,714	7,714	
93.8%	0	7,124	7,124	
95.1%	0	6,563	6,563	
96.3%	0	5,864	5,864	
97.5%	0	5,472	5,472	
98.8%	0	4,877	4,877	
100.0%	0	4,451	4,451	

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,041	12,041	
4.9%	0	12,041	12,041	
6.2%	0	12,041	12,041	
7.4%	0	12,041	12,041	
8.6%	0	12,041	12,041	
9.9%	0	12,041	12,041	
11.1%	0	12,041	12,041	
12.3%	0	12,041	12,041	
13.6%	0	12,041	12,041	
14.8%	0	12,041	12,041	
16.0%	0	12,041	12,041	
17.3%	0	12,041	12,041	
18.5%	0	12,041	12,041	
19.8%	0	12,020	12,020	
21.0%	0	12,020	12,020	
22.2%	0	12,020	12,020	
23.5%	0	12,020	12,020	
24.7%	0	12,020	12,020	
25.9%	0	12,020	12,020	
27.2%	0	12,020	12,020	
28.4%	0	12,020	12,020	
29.6%	0	12,020	12,020	
30.9%	0	12,020	12,020	
32.1%	0	12,020	12,020	
33.3%	0	12,020	12,020	
34.6%	0	12,020	12,020	
35.8%	0	12,020	12,020	
37.0%	0	12,020	12,020	
38.3%	0	11,897	11,897	
39.5%	0	11,889	11,889	
40.7%	0	11,883	11,883	
42.0%	0	11,883	11,883	
43.2%	0	11,883	11,883	
44.4%	0	11,883	11,883	
45.7%	0	11,883	11,883	
46.9%	0	11,883	11,883	
48.1%	0	11,773	11,773	
49.4%	0	11,760	11,760	
50.6%	0	11,647	11,647	
51.9%	0	11,627	11,627	
53.1%	0	11,612	11,612	
54.3%	0	11,579	11,579	
55.6%	0	11,575	11,575	
56.8%	0	11,573	11,573	
58.0%	0	11,497	11,497	
59.3%	0	11,493	11,493	
60.5%	0	11,491	11,491	
61.7%	0	11,468	11,468	
63.0%	0	11,381	11,381	
64.2%	0	11,373	11,373	
65.4%	0	11,250	11,250	
66.7%	0	11,237	11,237	
67.9%	0	11,207	11,207	
69.1%	0	11,100	11,100	
70.4%	0	11,000	11,000	
71.6%	0	10,859	10,859	
72.8%	0	10,846	10,846	
74.1%	0	10,771	10,771	
75.3%	0	10,699	10,699	
76.5%	0	10,449	10,449	
77.8%	0	10,377	10,377	
79.0%	0	10,375	10,375	
80.2%	0	10,263	10,263	
81.5%	0	10,172	10,172	
82.7%	0	10,115	10,115	
84.0%	0	8,573	8,573	
85.2%	0	8,344	8,344	
86.4%	0	8,143	8,143	
87.7%	0	7,376	7,376	
88.9%	0	7,325	7,325	
90.1%	0	6,791	6,791	
91.4%	0	6,787	6,787	
92.6%	0	6,541	6,541	
93.8%	0	6,464	6,464	
95.1%	0	6,392	6,392	
96.3%	0	5,839	5,839	
97.5%	0	4,372	4,372	
98.8%	0	4,326	4,326	
100.0%	0	3,950	3,950	

Table OP-11-3b

Sites Reservoir, End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	12,015	12,015	
4.9%	0	12,015	12,015	
6.2%	0	12,015	12,015	
7.4%	0	12,015	12,015	
8.6%	0	12,015	12,015	
9.9%	0	12,015	12,015	
11.1%	0	12,005	12,005	
12.3%	0	12,005	12,005	
13.6%	0	11,995	11,995	
14.8%	0	11,995	11,995	
16.0%	0	11,995	11,995	
17.3%	0	11,995	11,995	
18.5%	0	11,995	11,995	
19.8%	0	11,990	11,990	
21.0%	0	11,985	11,985	
22.2%	0	11,968	11,968	
23.5%	0	11,948	11,948	
24.7%	0	11,942	11,942	
25.9%	0	11,941	11,941	
27.2%	0	11,926	11,926	
28.4%	0	11,911	11,911	
29.6%	0	11,890	11,890	
30.9%	0	11,862	11,862	
32.1%	0	11,858	11,858	
33.3%	0	11,848	11,848	
34.6%	0	11,848	11,848	
35.8%	0	11,760	11,760	
37.0%	0	11,592	11,592	
38.3%	0	11,587	11,587	
39.5%	0	11,544	11,544	
40.7%	0	11,538	11,538	
42.0%	0	11,518	11,518	
43.2%	0	11,514	11,514	
44.4%	0	11,509	11,509	
45.7%	0	11,490	11,490	
46.9%	0	11,462	11,462	
48.1%	0	11,456	11,456	
49.4%	0	11,413	11,413	
50.6%	0	11,394	11,394	
51.9%	0	11,392	11,392	
53.1%	0	11,346	11,346	
54.3%	0	11,339	11,339	
55.6%	0	11,249	11,249	
56.8%	0	11,240	11,240	
58.0%	0	11,212	11,212	
59.3%	0	11,211	11,211	
60.5%	0	11,168	11,168	
61.7%	0	11,152	11,152	
63.0%	0	11,130	11,130	
64.2%	0	10,858	10,858	
65.4%	0	10,821	10,821	
66.7%	0	10,733	10,733	
67.9%	0	10,661	10,661	
69.1%	0	10,656	10,656	
70.4%	0	10,603	10,603	
71.6%	0	10,543	10,543	
72.8%	0	10,263	10,263	
74.1%	0	10,255	10,255	
75.3%	0	10,233	10,233	
76.5%	0	10,181	10,181	
77.8%	0	10,071	10,071	
79.0%	0	9,994	9,994	
80.2%	0	9,908	9,908	
81.5%	0	9,824	9,824	
82.7%	0	9,380	9,380	
84.0%	0	8,517	8,517	
85.2%	0	7,361	7,361	
86.4%	0	7,345	7,345	
87.7%	0	7,294	7,294	
88.9%	0	7,185	7,185	
90.1%	0	6,758	6,758	
91.4%	0	6,513	6,513	
92.6%	0	5,892	5,892	
93.8%	0	5,809	5,809	
95.1%	0	5,429	5,429	
96.3%	0	4,706	4,706	
97.5%	0	4,337	4,337	
98.8%	0	4,291	4,291	
100.0%	0	3,950	3,950	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,009	12,009	
2.5%	0	12,005	12,005	
3.7%	0	11,959	11,959	
4.9%	0	11,915	11,915	
6.2%	0	11,843	11,843	
7.4%	0	11,817	11,817	
8.6%	0	11,813	11,813	
9.9%	0	11,790	11,790	
11.1%	0	11,759	11,759	
12.3%	0	11,707	11,707	
13.6%	0	11,686	11,686	
14.8%	0	11,624	11,624	
16.0%	0	11,591	11,591	
17.3%	0	11,561	11,561	
18.5%	0	11,558	11,558	
19.8%	0	11,539	11,539	
21.0%	0	11,465	11,465	
22.2%	0	11,433	11,433	
23.5%	0	11,428	11,428	
24.7%	0	11,402	11,402	
25.9%	0	11,361	11,361	
27.2%	0	11,314	11,314	
28.4%	0	11,303	11,303	
29.6%	0	11,293	11,293	
30.9%	0	11,202	11,202	
32.1%	0	11,173	11,173	
33.3%	0	11,114	11,114	
34.6%	0	11,112	11,112	
35.8%	0	11,077	11,077	
37.0%	0	11,056	11,056	
38.3%	0	10,986	10,986	
39.5%	0	10,978	10,978	
40.7%	0	10,959	10,959	
42.0%	0	10,940	10,940	
43.2%	0	10,938	10,938	
44.4%	0	10,902	10,902	
45.7%	0	10,898	10,898	
46.9%	0	10,856	10,856	
48.1%	0	10,716	10,716	
49.4%	0	10,702	10,702	
50.6%	0	10,696	10,696	
51.9%	0	10,688	10,688	
53.1%	0	10,624	10,624	
54.3%	0	10,623	10,623	
55.6%	0	10,532	10,532	
56.8%	0	10,433	10,433	
58.0%	0	10,430	10,430	
59.3%	0	10,402	10,402	
60.5%	0	10,375	10,375	
61.7%	0	10,375	10,375	
63.0%	0	10,306	10,306	
64.2%	0	10,214	10,214	
65.4%	0	10,212	10,212	
66.7%	0	10,161	10,161	
67.9%	0	10,029	10,029	
69.1%	0	9,750	9,750	
70.4%	0	9,736	9,736	
71.6%	0	9,695	9,695	
72.8%	0	9,553	9,553	
74.1%	0	9,530	9,530	
75.3%	0	9,386	9,386	
76.5%	0	9,351	9,351	
77.8%	0	9,340	9,340	
79.0%	0	8,815	8,815	
80.2%	0	8,772	8,772	
81.5%	0	8,713	8,713	
82.7%	0	8,631	8,631	
84.0%	0	7,433	7,433	
85.2%	0	7,302	7,302	
86.4%	0	7,251	7,251	
87.7%	0	6,719	6,719	
88.9%	0	6,545	6,545	
90.1%	0	6,466	6,466	
91.4%	0	6,335	6,335	
92.6%	0	4,685	4,685	
93.8%	0	4,556	4,556	
95.1%	0	4,288	4,288	
96.3%	0	3,971	3,971	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	12,041	12,041	
3.7%	0	11,957	11,957	
4.9%	0	11,841	11,841	
6.2%	0	11,837	11,837	
7.4%	0	11,792	11,792	
8.6%	0	11,737	11,737	
9.9%	0	11,540	11,540	
11.1%	0	11,519	11,519	
12.3%	0	11,491	11,491	
13.6%	0	11,467	11,467	
14.8%	0	11,458	11,458	
16.0%	0	11,451	11,451	
17.3%	0	11,164	11,164	
18.5%	0	11,156	11,156	
19.8%	0	11,108	11,108	
21.0%	0	11,105	11,105	
22.2%	0	11,104	11,104	
23.5%	0	11,094	11,094	
24.7%	0	11,063	11,063	
25.9%	0	11,008	11,008	
27.2%	0	10,990	10,990	
28.4%	0	10,984	10,984	
29.6%	0	10,973	10,973	
30.9%	0	10,923	10,923	
32.1%	0	10,868	10,868	
33.3%	0	10,797	10,797	
34.6%	0	10,789	10,789	
35.8%	0	10,780	10,780	
37.0%	0	10,749	10,749	
38.3%	0	10,732	10,732	
39.5%	0	10,691	10,691	
40.7%	0	10,668	10,668	
42.0%	0	10,533	10,533	
43.2%	0	10,529	10,529	
44.4%	0	10,307	10,307	
45.7%	0	10,280	10,280	
46.9%	0	10,273	10,273	
48.1%	0	10,248	10,248	
49.4%	0	10,242	10,242	
50.6%	0	10,239	10,239	
51.9%	0	10,213	10,213	
53.1%	0	10,205	10,205	
54.3%	0	10,178	10,178	
55.6%	0	10,147	10,147	
56.8%	0	10,117	10,117	
58.0%	0	10,116	10,116	
59.3%	0	9,988	9,988	
60.5%	0	9,893	9,893	
61.7%	0	9,848	9,848	
63.0%	0	9,800	9,800	
64.2%	0	9,747	9,747	
65.4%	0	9,623	9,623	
66.7%	0	9,470	9,470	
67.9%	0	9,447	9,447	
69.1%	0	9,169	9,169	
70.4%	0	9,127	9,127	
71.6%	0	9,115	9,115	
72.8%	0	9,110	9,110	
74.1%	0	9,022	9,022	
75.3%	0	8,700	8,700	
76.5%	0	8,676	8,676	
77.8%	0	8,600	8,600	
79.0%	0	8,502	8,502	
80.2%	0	7,956	7,956	
81.5%	0	7,896	7,896	
82.7%	0	7,735	7,735	
84.0%	0	6,620	6,620	
85.2%	0	6,487	6,487	
86.4%	0	6,424	6,424	
87.7%	0	5,765	5,765	
88.9%	0	5,551	5,551	
90.1%	0	5,465	5,465	
91.4%	0	5,335	5,335	
92.6%	0	4,140	4,140	
93.8%	0	4,122	4,122	
95.1%	0	4,101	4,101	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	12,041	12,041	
1.2%	0	12,041	12,041	
2.5%	0	11,883	11,883	
3.7%	0	11,729	11,729	
4.9%	0	11,692	11,692	
6.2%	0	11,656	11,656	
7.4%	0	11,635	11,635	
8.6%	0	11,184	11,184	
9.9%	0	11,099	11,099	
11.1%	0	11,089	11,089	
12.3%	0	11,057	11,057	
13.6%	0	10,904	10,904	
14.8%	0	10,896	10,896	
16.0%	0	10,865	10,865	
17.3%	0	10,794	10,794	
18.5%	0	10,680	10,680	
19.8%	0	10,612	10,612	
21.0%	0	10,602	10,602	
22.2%	0	10,567	10,567	
23.5%	0	10,549	10,549	
24.7%	0	10,547	10,547	
25.9%	0	10,522	10,522	
27.2%	0	10,490	10,490	
28.4%	0	10,486	10,486	
29.6%	0	10,460	10,460	
30.9%	0	10,420	10,420	
32.1%	0	10,417	10,417	
33.3%	0	10,413	10,413	
34.6%	0	10,409	10,409	
35.8%	0	10,381	10,381	
37.0%	0	10,340	10,340	
38.3%	0	10,284	10,284	
39.5%	0	10,230	10,230	
40.7%	0	10,168	10,168	
42.0%	0	10,122	10,122	
43.2%	0	10,073	10,073	
44.4%	0	10,069	10,069	
45.7%	0	10,061	10,061	
46.9%	0	10,025	10,025	
48.1%	0	9,943	9,943	
49.4%	0	9,839	9,839	
50.6%	0	9,835	9,835	
51.9%	0	9,818	9,818	
53.1%	0	9,774	9,774	
54.3%	0	9,694	9,694	
55.6%	0	9,688	9,688	
56.8%	0	9,624	9,624	
58.0%	0	9,607	9,607	
59.3%	0	9,594	9,594	
60.5%	0	9,417	9,417	
61.7%	0	9,410	9,410	
63.0%	0	9,341	9,341	
64.2%	0	9,295	9,295	
65.4%	0	9,257	9,257	
66.7%	0	8,889	8,889	
67.9%	0	8,840	8,840	
69.1%	0	8,811	8,811	
70.4%	0	8,800	8,800	
71.6%	0	8,795	8,795	
72.8%	0	8,349	8,349	
74.1%	0	8,242	8,242	
75.3%	0	8,205	8,205	
76.5%	0	8,135	8,135	
77.8%	0	7,900	7,900	
79.0%	0	7,824	7,824	
80.2%	0	7,280	7,280	
81.5%	0	7,255	7,255	
82.7%	0	7,054	7,054	
84.0%	0	5,688	5,688	
85.2%	0	5,565	5,565	
86.4%	0	5,529	5,529	
87.7%	0	4,624	4,624	
88.9%	0	4,563	4,563	
90.1%	0	4,302	4,302	
91.4%	0	4,263	4,263	
92.6%	0	4,232	4,232	
93.8%	0	4,140	4,140	
95.1%	0	4,114	4,114	
96.3%	0	4,098	4,098	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

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Alternative B Compared to No Action Alternative

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Table OP-01-5a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative B	106	120	755	1,372	1,529	1,477	581	633	685	668	673	97
Difference	-4	113	755	1,372	1,527	1,464	448	221	-64	-143	12	-53
Percent Difference[3]	-3.6%							53.5%	-8.5%	-17.6%	1.9%	-35.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative B	95	136	975	1,715	1,646	1,495	921	958	996	1,084	1,045	97
Difference	-51	128	975	1,715	1,646	1,485	781	353	-86	-127	85	-130
Percent Difference	-34.7%							58.3%	-7.9%	-10.5%	8.8%	-57.2%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative B	226	186	1,080	1,842	2,113	2,122	955	1,129	1,011	767	800	153
Difference	112	183	1,080	1,842	2,113	2,115	786	545	-41	-354	-76	-49
Percent Difference	98.6%							93.2%	-3.9%	-31.6%	-8.6%	-24.2%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative B	98	95	606	1,533	1,542	1,716	465	525	628	515	549	101
Difference	-6	90	606	1,533	1,541	1,693	318	162	-17	-190	-6	-3
Percent Difference	-5.5%							44.9%	-2.7%	-26.9%	-1.2%	-2.5%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative B	83	118	464	998	1,430	1,338	275	271	405	408	394	86
Difference	-12	112	464	998	1,426	1,328	149	19	-89	-67	7	-6
Percent Difference	-12.9%						117.0%	7.7%	-18.1%	-14.1%	1.8%	-6.4%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative B	54	52	566	530	824	720	61	106	172	238	304	48
Difference	-4	40	566	530	818	706	-10	-19	-56	-24	-27	-18
Percent Difference	-7.4%						-14.6%	-15.3%	-24.5%	-9.0%	-8.2%	-27.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-5b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

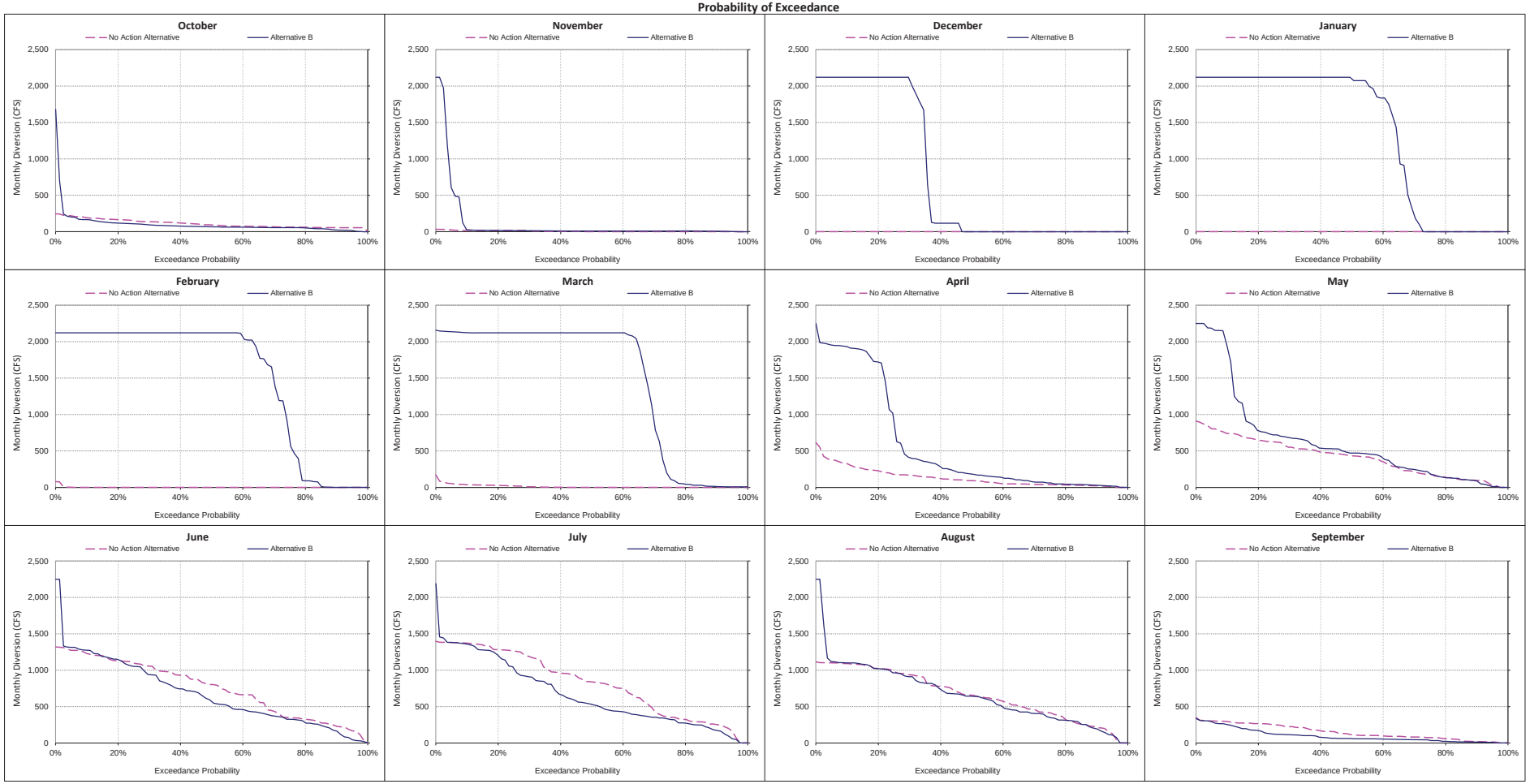

Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	1,680	1,436	588.5%
1.2%	243	696	453	186.3%
2.5%	225	243	18	8.2%
3.7%	220	211	-9	-4.2%
4.9%	218	202	-16	-7.4%
6.2%	208	198	-9	-4.5%
7.4%	207	168	-39	-18.7%
8.6%	202	167	-35	-17.5%
9.9%	192	166	-26	-13.4%
11.1%	187	164	-23	-12.2%
12.3%	185	147	-38	-20.6%
13.6%	184	144	-40	-22.0%
14.8%	176	134	-42	-23.7%
16.0%	174	125	-49	-27.9%
17.3%	172	124	-48	-27.8%
18.5%	169	123	-46	-27.3%
19.8%	165	118	-48	-28.7%
21.0%	163	115	-49	-29.9%
22.2%	161	114	-48	-29.6%
23.5%	159	113	-46	-28.9%
24.7%	154	109	-45	-29.4%
25.9%	144	105	-39	-27.2%
27.2%	140	104	-36	-25.5%
28.4%	138	99	-39	-28.2%
29.6%	136	93	-43	-31.6%
30.9%	136	90	-46	-34.1%
32.1%	134	88	-47	-34.7%
33.3%	130	87	-43	-33.3%
34.6%	129	83	-46	-36.0%
35.8%	129	80	-49	-38.0%
37.0%	126	79	-46	-36.8%
38.3%	124	79	-44	-35.8%
39.5%	122	77	-45	-37.0%
40.7%	117	77	-41	-34.7%
42.0%	114	73	-41	-35.9%
43.2%	111	73	-38	-34.3%
44.4%	108	72	-36	-33.5%
45.7%	104	70	-35	-33.4%
46.9%	97	69	-28	-29.2%
48.1%	94	67	-27	-28.7%
49.4%	94	67	-27	-28.7%
50.6%	91	66	-25	-27.8%
51.9%	88	66	-22	-25.2%
53.1%	86	63	-23	-26.4%
54.3%	79	63	-16	-20.2%
55.6%	78	63	-15	-19.3%
56.8%	76	63	-13	-17.5%
58.0%	75	63	-12	-16.3%
59.3%	75	61	-13	-17.8%
60.5%	74	61	-13	-17.8%
61.7%	74	60	-14	-18.5%
63.0%	74	60	-14	-18.4%
64.2%	72	59	-12	-17.0%
65.4%	71	59	-12	-17.1%
66.7%	71	57	-14	-19.7%
67.9%	69	57	-12	-17.6%
69.1%	67	56	-10	-15.2%
70.4%	65	56	-9	-14.0%
71.6%	64	56	-8	-13.2%
72.8%	63	55	-8	-12.7%
74.1%	63	54	-9	-14.2%
75.3%	62	54	-8	-13.0%
76.5%	62	54	-8	-12.6%
77.8%	62	54	-8	-12.5%
79.0%	61	53	-8	-13.5%
80.2%	59	52	-8	-12.9%
81.5%	59	47	-12	-20.6%
82.7%	57	43	-15	-25.7%
84.0%	57	42	-15	-26.4%
85.2%	56	39	-17	-30.3%
86.4%	56	37	-19	-34.4%
87.7%	56	34	-22	-39.7%
88.9%	56	22	-34	-60.7%
90.1%	55	22	-33	-60.6%
91.4%	54	22	-33	-60.1%
92.6%	54	20	-34	-63.4%
93.8%	54	18	-36	-67.3%
95.1%	54	17	-37	-68.3%
96.3%	54	5	-49	-90.0%
97.5%	54	2	-52	-96.2%
98.8%	54	0	-54	-100.0%
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33	2,121	2,088	
1.2%	32	2,121	2,089	
2.5%	31	1,975	1,943	
3.7%	26	1,184	1,158	
4.9%	25	605	581	
6.2%	19	486	467	
7.4%	18	475	458	
8.6%	18	122	104	583.9%
9.9%	18	26	8	48.0%
11.1%	17	24	7	39.7%
12.3%	17	18	1	4.5%
13.6%	17	18	1	4.9%
14.8%	17	18	1	4.3%
16.0%	17	18	1	3.6%
17.3%	17	17	0	1.0%
18.5%	17	17	0	0.0%
19.8%	17	17	0	0.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	17	0	0.0%
25.9%	17	15	-2	-11.0%
27.2%	17	15	-2	-12.4%
28.4%	17	14	-3	-20.5%
29.6%	17	13	-4	-23.6%
30.9%	9	12	4	45.9%
32.1%	7	12	5	75.8%
33.3%	7	11	5	73.0%
34.6%	4	11	7	197.8%
35.8%	4	11	7	192.1%
37.0%	3	10	7	214.8%
38.3%	3	10	7	264.5%
39.5%	3	10	7	279.8%
40.7%	2	9	7	289.1%
42.0%	2	9	7	351.5%
43.2%	2	8	7	335.9%
44.4%	1	8	7	480.8%
45.7%	1	8	7	615.8%
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	5	5	
92.6%	0	4	4	
93.8%	0	4	4	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	1,994	1,994	
32.1%	0	1,893	1,893	
33.3%	0	1,778	1,778	
34.6%	0	1,672	1,672	
35.8%	0	640	640	
37.0%	0	128	128	
38.3%	0	114	114	
39.5%	0	114	114	
40.7%	0	114	114	
42.0%	0	114	114	
43.2%	0	114	114	
44.4%	0	114	114	
45.7%	0	114	114	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,074	2,074	
51.9%	0	2,074	2,074	
53.1%	0	2,074	2,074	
54.3%	0	2,074	2,074	
55.6%	0	1,994	1,994	
56.8%	0	1,964	1,964	
58.0%	0	1,850	1,850	
59.3%	0	1,835	1,835	
60.5%	0	1,835	1,835	
61.7%	0	1,755	1,755	
63.0%	0	1,603	1,603	
64.2%	0	1,432	1,432	
65.4%	0	928	928	
66.7%	0	912	912	
67.9%	0	506	506	
69.1%	0	331	331	
70.4%	0	182	182	
71.6%	0	99	99	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	2,121	2,121	
56.8%	0	2,121	2,121	
58.0%	0	2,121	2,121	
59.3%	0	2,116	2,116	
60.5%	0	2,030	2,030	
61.7%	0	2,024	2,024	
63.0%	0	2,024	2,024	
64.2%	0	1,932	1,932	
65.4%	0	1,772	1,772	
66.7%	0	1,766	1,766	
67.9%	0	1,682	1,682	
69.1%	0	1,656	1,656	
70.4%	0	1,380	1,380	
71.6%	0	1,190	1,190	
72.8%	0	1,188	1,188	
74.1%	0	932	932	
75.3%	0	560	560	
76.5%	0	459	459	
77.8%	0	395	395	
79.0%	0	92	92	
80.2%	0	89	89	
81.5%	0	88	88	
82.7%	0	79	79	
84.0%	0	75	75	
85.2%	0	11	11	
86.4%	0	3	3	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,159	1,987	
1.2%	85	2,148	2,063	
2.5%	76	2,144	2,068	
3.7%	56	2,141	2,084	
4.9%	52	2,139	2,086	
6.2%	44	2,132	2,089	
7.4%	42	2,129	2,087	
8.6%	41	2,128	2,087	
9.9%	35	2,123	2,088	
11.1%	35	2,123	2,088	
12.3%	34	2,123	2,089	
13.6%	32	2,122	2,090	
14.8%	32	2,122	2,090	
16.0%	30	2,122	2,091	
17.3%	30	2,122	2,092	
18.5%	29	2,122	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,121	2,113	
30.9%	8	2,121	2,113	
32.1%	7	2,121	2,114	
33.3%	4	2,121	2,117	
34.6%	3	2,121	2,118	
35.8%	3	2,121	2,119	
37.0%	2	2,121	2,119	
38.3%	2	2,121	2,119	
39.5%	1	2,121	2,120	
40.7%	1	2,121	2,120	
42.0%	1	2,121	2,120	
43.2%	1	2,121	2,120	
44.4%	1	2,121	2,120	
45.7%	1	2,121	2,120	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	2,121	2,121	
56.8%	0	2,121	2,121	
58.0%	0	2,121	2,121	
59.3%	0	2,121	2,121	
60.5%	0	2,121	2,121	
61.7%	0	2,094	2,094	
63.0%	0	2,081	2,081	
64.2%	0	2,044	2,044	
65.4%	0	1,874	1,874	
66.7%	0	1,643	1,643	
67.9%	0	1,410	1,410	
69.1%	0	1,142	1,142	
70.4%	0	784	784	
71.6%	0	632	632	
72.8%	0	372	372	
74.1%	0	195	195	
75.3%	0	110	110	
76.5%	0	91	91	
77.8%	0	54	54	
79.0%	0	49	49	
80.2%	0	43	43	
81.5%	0	40	40	
82.7%	0	30	30	
84.0%	0	28	28	
85.2%	0	27	27	
86.4%	0	18	18	
87.7%	0	15	15	
88.9%	0	15	15	
90.1%	0	11	11	
91.4%	0	9	9	
92.6%	0	9	9	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,988	1,437	260.9%
2.5%	428	1,981	1,553	363.0%
3.7%	393	1,968	1,576	401.2%
4.9%	376	1,953	1,577	419.4%
6.2%	374	1,947	1,573	421.1%
7.4%	351	1,947	1,596	455.0%
8.6%	335	1,940	1,606	480.0%
9.9%	328	1,935	1,607	490.6%
11.1%	303	1,910	1,607	530.7%
12.3%	280	1,908	1,628	580.6%
13.6%	274	1,901	1,626	592.6%
14.8%	260	1,889	1,629	627.0%
16.0%	246	1,867	1,621	659.0%
17.3%	242	1,804	1,562	644.3%
18.5%	236	1,730	1,494	632.2%
19.8%	230	1,722	1,492	649.2%
21.0%	218	1,710	1,492	685.4%
22.2%	201	1,457	1,256	626.0%
23.5%	200	1,069	869	435.3%
24.7%	181	1,018	837	463.4%
25.9%	174	626	452	259.8%
27.2%	172	607	435	252.9%
28.4%	172	457	285	166.0%
29.6%	169	416	247	146.3%
30.9%	167	395	229	137.4%
32.1%	158	393	234	148.0%
33.3%	150	374	224	149.6%
34.6%	147	356	209	141.6%
35.8%	141	348	207	146.7%
37.0%	141	334	193	136.8%
38.3%	131	325	194	148.3%
39.5%	127	298	171	135.2%
40.7%	115	258	143	125.0%
42.0%	114	258	143	125.4%
43.2%	110	241	131	118.7%
44.4%	103	226	123	119.0%
45.7%	103	205	103	99.8%
46.9%	102	203	101	99.2%
48.1%	93	194	101	108.6%
49.4%	93	187	94	101.2%
50.6%	93	177	84	90.5%
51.9%	85	168	83	98.1%
53.1%	85	167	82	96.7%
54.3%	74	158	84	114.5%
55.6%	71	155	84	118.2%
56.8%	70	145	75	106.7%
58.0%	59	141	82	138.0%
59.3%	54	141	87	162.8%
60.5%	48	126	78	161.8%
61.7%	47	125	78	163.7%
63.0%	47	119	71	151.1%
64.2%	47	104	57	121.2%
65.4%	46	104	58	125.6%
66.7%	46	94	48	105.1%
67.9%	45	93	49	109.0%
69.1%	43	78	35	80.0%
70.4%	40	73	33	81.6%
71.6%	40	71	31	77.9%
72.8%	40	70	30	76.8%
74.1%	37	63	25	67.2%
75.3%	37	62	25	67.8%
76.5%	36	47	11	29.8%
77.8%	36	47	11	30.9%
79.0%	35	46	11	33.0%
80.2%	33	45	12	35.0%
81.5%	32	43	11	32.9%
82.7%	29	39	10	33.2%
84.0%	29	38	9	30.4%
85.2%	29	38	9	32.5%
86.4%	24	37	13	54.0%
87.7%	23	36	13	56.4%
88.9%	23	30	8	33.5%
90.1%	22	29	7	30.2%
91.4%	21	24	3	16.4%
92.6%	16	22	6	39.5%
93.8%	15	21	6	40.1%
95.1%	14	17	4	28.1%
96.3%	0	15	15	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	2,250	1,356	151.6%
2.5%	868	2,250	1,382	159.1%
3.7%	848	2,191	1,343	158.3%
4.9%	805	2,185	1,380	171.4%
6.2%	803	2,153	1,350	168.2%
7.4%	780	2,153	1,374	176.2%
8.6%	763	2,151	1,388	182.0%
9.9%	741	1,956	1,215	164.1%
11.1%	739	1,723	984	133.1%
12.3%	736	1,247	511	69.5%
13.6%	722	1,181	459	63.5%
14.8%	697	1,157	460	66.0%
16.0%	681	911	230	33.8%
17.3%	675	884	209	30.9%
18.5%	665	852	187	28.2%
19.8%	652	780	128	19.6%
21.0%	642	763	120	18.7%
22.2%	635	755	120	18.9%
23.5%	627	733	106	16.9%
24.7%	626	722	96	15.3%
25.9%	621	721	100	16.0%
27.2%	617	704	87	14.1%
28.4%	575	697	122	21.2%
29.6%	552	685	133	24.1%
30.9%	550	674	124	22.5%
32.1%	529	672	143	27.1%
33.3%	529	665	136	25.7%
34.6%	528	654	126	23.9%
35.8%	522	638	116	22.3%
37.0%	519	590	71	13.6%
38.3%	508	575	67	13.1%
39.5%	488	539	50	10.3%
40.7%	477	534	57	12.0%
42.0%	475	533	57	12.1%
43.2%	472	530	58	12.4%
44.4%	464	529	64	13.9%
45.7%	461	529	68	14.7%
46.9%	454	498	44	9.7%
48.1%	445	485	40	9.0%
49.4%	436	473	37	8.5%
50.6%	431	472	42	9.7%
51.9%	428	472	44	10.2%
53.1%	420	467	47	11.1%
54.3%	418	462	44	10.6%
55.6%	416	456	40	9.5%
56.8%	397	454	58	14.6%
58.0%	391	446	55	14.0%
59.3%	362	424	62	17.0%
60.5%	341	383	42	12.3%
61.7%	309	373	64	20.7%
63.0%	290	326	36	12.6%
64.2%	284	287	3	1.0%
65.4%	252	279	27	10.7%
66.7%	231	272	41	18.0%
67.9%	229	254	25	10.9%
69.1%	224	249	25	11.0%
70.4%	207	243	35	17.1%
71.6%	194	233	39	19.9%
72.8%	184	221	37	20.0%
74.1%	180	217	37	20.4%
75.3%	180	180	0	0.0%
76.5%	156	168	13	8.0%
77.8%	151	150	-1	-0.6%
79.0%	148	140	-9	-5.9%
80.2%	135	133	-2	-1.2%
81.5%	132	131	0	-0.3%
82.7%	118	124	6	5.5%
84.0%	113	124	10	9.3%
85.2%	108	109	1	1.0%
86.4%	103	108	5	5.2%
87.7%	100	100	0	0.0%
88.9%	99	95	-4	-4.2%
90.1%	95	86	-9	-9.3%
91.4%	95	48	-47	-49.5%
92.6%	88	43	-44	-50.6%
93.8%	56	24	-32	-57.8%
95.1%	22	10	-11	-53.3%
96.3%	20	10	-10	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-5b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	1,333	22	1.7%
3.7%	1,290	1,319	28	2.2%
4.9%	1,274	1,315	41	3.2%
6.2%	1,272	1,314	41	3.3%
7.4%	1,272	1,290	19	1.5%
8.6%	1,257	1,278	21	1.6%
9.9%	1,230	1,274	44	3.6%
11.1%	1,218	1,271	53	4.4%
12.3%	1,205	1,230	25	2.1%
13.6%	1,202	1,226	24	2.0%
14.8%	1,200	1,189	-11	-0.9%
16.0%	1,182	1,182	0	0.0%
17.3%	1,148	1,168	19	1.7%
18.5%	1,134	1,153	19	1.7%
19.8%	1,127	1,148	22	1.9%
21.0%	1,127	1,130	3	0.3%
22.2%	1,121	1,089	-32	-2.9%
23.5%	1,121	1,067	-54	-4.8%
24.7%	1,100	1,055	-45	-4.1%
25.9%	1,089	1,052	-37	-3.4%
27.2%	1,084	1,048	-37	-3.4%
28.4%	1,060	990	-70	-6.6%
29.6%	1,057	941	-116	-11.0%
30.9%	1,055	938	-117	-11.1%
32.1%	1,006	934	-72	-7.2%
33.3%	989	852	-136	-13.8%
34.6%	983	837	-146	-14.8%
35.8%	979	814	-165	-16.8%
37.0%	975	788	-187	-19.1%
38.3%	938	757	-180	-19.2%
39.5%	932	744	-188	-20.2%
40.7%	931	742	-189	-20.3%
42.0%	926	720	-206	-22.2%
43.2%	877	715	-162	-18.5%
44.4%	874	708	-166	-18.9%
45.7%	869	690	-178	-20.5%
46.9%	833	651	-182	-21.9%
48.1%	815	615	-200	-24.5%
49.4%	803	595	-208	-25.9%
50.6%	801	547	-254	-31.7%
51.9%	791	536	-255	-32.3%
53.1%	747	531	-216	-29.0%
54.3%	731	525	-205	-28.1%
55.6%	693	508	-185	-26.7%
56.8%	692	468	-225	-32.4%
58.0%	673	462	-211	-31.3%
59.3%	663	461	-203	-30.6%
60.5%	663	455	-207	-31.3%
61.7%	662	435	-227	-34.2%
63.0%	661	431	-230	-34.9%
64.2%	599	427	-172	-28.8%
65.4%	556	413	-143	-25.7%
66.7%	553	404	-149	-26.9%
67.9%	453	389	-64	-14.2%
69.1%	446	374	-72	-16.1%
70.4%	430	370	-59	-13.8%
71.6%	399	362	-37	-9.2%
72.8%	355	355	0	0.0%
74.1%	350	326	-25	-7.1%
75.3%	346	324	-21	-6.2%
76.5%	345	322	-22	-6.4%
77.8%	343	316	-27	-8.0%
79.0%	331	309	-22	-6.7%
80.2%	326	274	-52	-16.0%
81.5%	319	273	-46	-14.5%
82.7%	312	260	-52	-16.7%
84.0%	299	258	-42	-14.0%
85.2%	274	240	-35	-12.6%
86.4%	273	223	-49	-18.1%
87.7%	261	209	-52	-20.0%
88.9%	247	178	-69	-27.9%
90.1%	228	161	-67	-29.4%
91.4%	221	114	-107	-48.4%
92.6%	219	85	-134	-61.2%
93.8%	188	76	-113	-59.8%
95.1%	167	45	-122	-73.1%
96.3%	161	34	-127	-78.9%
97.5%	114	28	-85	-75.0%
98.8%	34	19	-15	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	2,186	789	56.5%
1.2%	1,384	1,457	73	5.3%
2.5%	1,383	1,442	60	4.3%
3.7%	1,382	1,382	0	0.0%
4.9%	1,380	1,380	0	0.0%
6.2%	1,379	1,379	0	0.0%
7.4%	1,378	1,375	-2	-0.2%
8.6%	1,375	1,367	-8	-0.6%
9.9%	1,373	1,356	-17	-1.2%
11.1%	1,367	1,350	-17	-1.2%
12.3%	1,361	1,330	-31	-2.3%
13.6%	1,356	1,283	-73	-5.4%
14.8%	1,350	1,278	-72	-5.3%
16.0%	1,331	1,274	-57	-4.3%
17.3%	1,330	1,273	-57	-4.3%
18.5%	1,283	1,249	-33	-2.6%
19.8%	1,282	1,210	-73	-5.7%
21.0%	1,278	1,158	-121	-9.4%
22.2%	1,278	1,139	-139	-10.9%
23.5%	1,273	1,059	-214	-16.8%
24.7%	1,265	1,045	-221	-17.4%
25.9%	1,259	964	-295	-23.5%
27.2%	1,249	927	-322	-25.8%
28.4%	1,210	921	-289	-23.9%
29.6%	1,193	910	-283	-23.7%
30.9%	1,174	904	-270	-23.0%
32.1%	1,158	859	-299	-25.8%
33.3%	1,150	850	-300	-26.1%
34.6%	1,043	848	-195	-18.7%
35.8%	1,012	807	-205	-20.2%
37.0%	976	806	-170	-17.4%
38.3%	973	722	-251	-25.8%
39.5%	968	674	-294	-30.4%
40.7%	956	654	-302	-31.6%
42.0%	955	622	-333	-34.9%
43.2%	945	609	-335	-35.5%
44.4%	940	589	-351	-37.3%
45.7%	897	562	-335	-37.3%
46.9%	875	558	-317	-36.2%
48.1%	844	548	-296	-35.1%
49.4%	843	537	-306	-36.3%
50.6%	836	523	-313	-37.4%
51.9%	831	511	-320	-38.5%
53.1%	822	489	-333	-40.5%
54.3%	815	462	-353	-43.3%
55.6%	796	449	-347	-43.6%
56.8%	776	440	-336	-43.3%
58.0%	756	438	-317	-42.0%
59.3%	752	434	-318	-42.3%
60.5%	749	427	-322	-43.0%
61.7%	688	410	-277	-40.3%
63.0%	666	395	-270	-40.6%
64.2%	627	391	-237	-37.7%
65.4%	618	379	-240	-38.8%
66.7%	569	371	-198	-34.7%
67.9%	534	364	-171	-32.0%
69.1%	492	353	-138	-28.1%
70.4%	422	353	-69	-16.4%
71.6%	395	344	-52	-13.1%
72.8%	372	344	-29	-7.7%
74.1%	360	334	-26	-7.1%
75.3%	353	322	-31	-8.9%
76.5%	353	318	-35	-9.9%
77.8%	333	277	-56	-16.8%
79.0%	324	275	-49	-15.2%
80.2%	323	271	-52	-16.0%
81.5%	299	261	-38	-12.8%
82.7%	299	252	-47	-15.7%
84.0%	291	247	-43	-15.0%
85.2%	290	247	-43	-14.9%
86.4%	285	222	-63	-22.1%
87.7%	261	207	-54	-20.9%
88.9%	260	185	-75	-28.9%
90.1%	252	174	-78	-31.0%
91.4%	249	163	-86	-34.6%
92.6%	222	124	-98	-44.1%
93.8%	201	94	-106	-52.9%
95.1%	158	59	-100	-62.9%
96.3%	69	48	-21	-30.5%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,250	1,136	102.0%
1.2%	1,103	2,250	1,147	103.9%
2.5%	1,103	1,628	525	47.6%
3.7%	1,102	1,168	66	6.0%
4.9%	1,101	1,117	16	1.4%
6.2%	1,100	1,114	14	1.2%
7.4%	1,100	1,103	4	0.3%
8.6%	1,092	1,103	11	1.0%
9.9%	1,091	1,102	10	1.0%
11.1%	1,086	1,101	15	1.3%
12.3%	1,083	1,100	17	1.6%
13.6%	1,080	1,091	11	1.1%
14.8%	1,078	1,083	4	0.4%
16.0%	1,064	1,078	15	1.4%
17.3%	1,062	1,062	0	0.0%
18.5%	1,028	1,024	-4	-0.4%
19.8%	1,024	1,021	-3	-0.3%
21.0%	1,021	1,017	-4	-0.4%
22.2%	1,017	1,012	-6	-0.5%
23.5%	1,012	1,000	-11	-1.1%
24.7%	1,000	963	-38	-3.8%
25.9%	963	959	-3	-0.4%
27.2%	954	954	0	0.0%
28.4%	953	923	-29	-3.1%
29.6%	937	911	-26	-2.8%
30.9%	935	910	-25	-2.7%
32.1%	923	856	-67	-7.3%
33.3%	918	831	-87	-9.5%
34.6%	904	825	-78	-8.7%
35.8%	805	817	12	1.5%
37.0%	788	817	29	3.7%
38.3%	782	798	16	2.0%
39.5%	779	751	-28	-3.6%
40.7%	776	713	-63	-8.1%
42.0%	768	684	-84	-10.9%
43.2%	754	679	-75	-9.9%
44.4%	713	674	-39	-5.5%
45.7%	698	674	-24	-3.4%
46.9%	672	660	-12	-1.8%
48.1%	660	645	-15	-2.2%
49.4%	659	643	-16	-2.4%
50.6%	654	642	-13	-2.0%
51.9%	635	641	6	0.9%
53.1%	635	623	-12	-2.0%
54.3%	622	608	-14	-2.2%
55.6%	619	593	-27	-4.3%
56.8%	603	576	-27	-4.5%
58.0%	599	527	-73	-12.1%
59.3%	581	515	-66	-11.3%
60.5%	567	474	-92	-16.3%
61.7%	548	463	-85	-15.4%
63.0%	523	454	-69	-13.2%
64.2%	522	451	-70	-13.5%
65.4%	494	425	-69	-14.0%
66.7%	494	425	-69	-13.9%
67.9%	467	425	-42	-9.0%
69.1%	467	409	-58	-12.4%
70.4%	455	406	-49	-10.7%
71.6%	426	404	-22	-5.2%
72.8%	424	398	-26	-6.1%
74.1%	423	362	-61	-14.5%
75.3%	412	347	-65	-15.7%
76.5%	390	340	-50	-12.7%
77.8%	386	316	-69	-18.0%
79.0%	362	315	-46	-12.9%
80.2%	316	312	-4	-1.2%
81.5%	298	307	9	3.1%
82.7%	287	303	15	5.3%
84.0%	266	293	27	10.3%
85.2%	258	255	-3	-1.3%
86.4%	257	254	-3	-1.0%
87.7%	232	222	-10	-4.4%
88.9%	230	205	-24	-10.5%
90.1%	209	196	-13	-6.2%
91.4%	208	165	-43	-20.5%
92.6%	198	144	-54	-27.3%
93.8%	156	117	-39	-25.3%
95.1%	126	107	-19	-15.1%
96.3%	51	78	27	53.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	335	-16	-4.7%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	266	-33	-11.0%
8.6%	298	264	-35	-11.6%
9.9%	296	256	-40	-13.6%
11.1%	288	243	-45	-15.5%
12.3%	280	230	-51	-18.1%
13.6%	275	214	-61	-22.0%
14.8%	275	197	-78	-28.3%
16.0%	273	196	-77	-28.3%
17.3%	273	180	-93	-34.1%
18.5%	267	177	-90	-33.7%
19.8%	266	171	-95	-35.7%
21.0%	265	160	-105	-39.5%
22.2%	264	136	-128	-48.4%
23.5%	260	129	-131	-50.5%
24.7%	251	122	-128	-51.2%
25.9%	248	118	-130	-52.2%
27.2%	243	118	-126	-51.7%
28.4%	228	117	-111	-48.9%
29.6%	225	116	-108	-48.2%
30.9%	225	112	-113	-50.1%
32.1%	214	109	-106	-49.3%
33.3%	212	109	-104	-48.9%
34.6%	212	102	-110	-51.8%
35.8%	196	102	-94	-47.9%
37.0%	181	101	-80	-44.0%
38.3%	180	98	-82	-45.5%
39.5%	172	79	-93	-54.3%
40.7%	160	76	-84	-52.7%
42.0%	160	72	-88	-55.0%
43.2%	158	66	-92	-58.2%
44.4%	155	65	-90	-58.3%
45.7%	135	62	-72	-53.7%
46.9%	131	62	-69	-52.7%
48.1%	130	62	-68	-52.3%
49.4%	117	61	-56	-47.6%
50.6%	111	59	-51	-46.4%
51.9%	108	58	-49	-45.8%
53.1%	104	58	-47	-44.7%
54.3%	104	57	-47	-44.8%
55.6%	104	57	-47	-44.9%
56.8%	104	57	-47	-45.2%
58.0%	104	55	-48	-46.6%
59.3%	97	54	-43	-44.8%
60.5%	96	53	-42	-44.2%
61.7%	92	53	-39	-42.5%
63.0%	91	51	-40	-43.9%
64.2%	91	49	-43	-46.8%
65.4%	91	48	-43	-46.8%
66.7%	88	48	-40	-45.3%
67.9%	83	47	-36	-42.8%
69.1%	82	47	-35	-43.0%
70.4%	82	45	-37	-44.7%
71.6%	82	45	-37	-45.5%
72.8%	79	44	-35	-44.7%
74.1%	76	43	-33	-43.5%
75.3%	73	35	-39	-53.0%
76.5%	72	34	-38	-53.3%
77.8%	71	33	-39	-53.9%
79.0%	63	24	-39	-61.6%
80.2%	57	24	-33	-58.0%
81.5%	56	19	-37	-66.4%
82.7%	54	18	-36	-66.8%
84.0%	51	17	-33	-65.6%
85.2%	32	17	-14	-45.8%
86.4%	23	16	-7	-30.2%
87.7%	22	15	-7	-31.4%
88.9%	21	13	-8	-39.2%
90.1%	20	13	-7	-36.5%
91.4%	18	12	-6	-32.1%
92.6%	16	12	-5	-27.4%
93.8%	16	10	-6	-38.5%
95.1%	15	8	-7	-45.0%
96.3%	12	0	-12	-100.0%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-5a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative B	735	419	483	179	245	812	2,477	2,243	2,631	2,372	2,122	494
Difference	-18	-27	272	96	177	771	287	158	-272	-426	55	-54
Percent Difference[3]	-2.4%	-6.0%	129.7%				13.1%	7.6%	-9.4%	-15.2%	2.7%	-9.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative B	677	348	524	230	330	922	2,548	2,513	2,854	2,361	2,350	467
Difference	-116	-113	295	149	263	891	526	391	-115	-509	211	-109
Percent Difference	-14.7%	-24.5%	129.0%				26.0%	18.4%	-3.9%	-17.7%	9.8%	-18.9%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative B	919	497	711	159	362	1,247	2,635	2,525	2,723	2,351	2,048	485
Difference	140	45	504	87	297	1,221	475	447	-260	-538	-98	-87
Percent Difference	18.0%	9.9%					22.0%	21.5%	-8.7%	-18.6%	-4.6%	-15.2%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative B	756	451	521	183	154	810	2,732	2,288	2,603	2,310	2,199	547
Difference	-24	-11	326	94	86	765	430	108	-349	-577	40	-17
Percent Difference	-3.1%	-2.4%					18.7%	5.0%	-11.8%	-20.0%	1.9%	-2.9%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative B	754	451	368	143	189	691	2,390	2,007	2,525	2,612	2,053	525
Difference	-30	24	145	57	120	648	73	-138	-433	-229	-56	-17
Percent Difference	-3.9%	5.5%	64.9%				3.2%	-6.4%	-14.6%	-8.1%	-2.6%	-3.2%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative B	625	409	291	141	132	320	1,999	1,676	2,249	2,129	1,713	454
Difference	59	-4	121	51	64	255	-266	-134	-291	-255	55	-2
Percent Difference	10.4%	-1.0%	71.5%				-11.7%	-7.4%	-11.5%	-10.7%	3.3%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-5b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

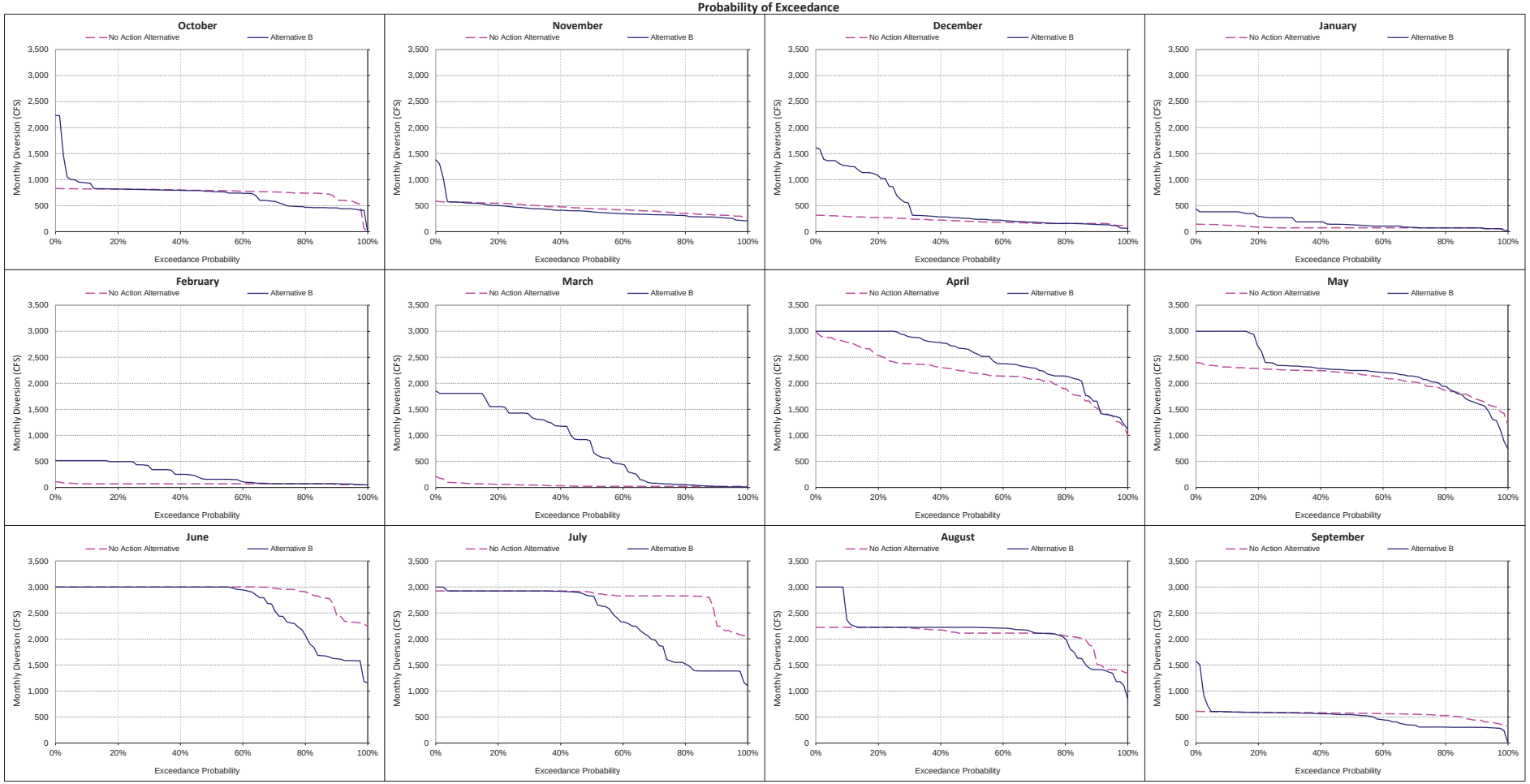

Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	1,461	635	76.9%
3.7%	825	1,049	223	27.1%
4.9%	825	999	174	21.1%
6.2%	823	999	175	21.3%
7.4%	823	950	127	15.4%
8.6%	823	944	121	14.7%
9.9%	822	938	116	14.1%
11.1%	822	931	109	13.3%
12.3%	822	828	6	0.7%
13.6%	821	826	5	0.6%
14.8%	821	825	4	0.5%
16.0%	821	823	3	0.3%
17.3%	820	822	2	0.2%
18.5%	819	821	2	0.2%
19.8%	819	820	1	0.1%
21.0%	819	819	0	0.0%
22.2%	818	818	0	0.0%
23.5%	816	815	0	-0.1%
24.7%	816	815	-1	-0.2%
25.9%	815	812	-3	-0.4%
27.2%	815	811	-4	-0.4%
28.4%	814	809	-5	-0.6%
29.6%	813	807	-5	-0.6%
30.9%	812	805	-7	-0.9%
32.1%	811	803	-8	-1.0%
33.3%	809	802	-8	-0.9%
34.6%	809	799	-10	-1.2%
35.8%	807	796	-11	-1.4%
37.0%	806	796	-10	-1.2%
38.3%	805	795	-10	-1.3%
39.5%	803	794	-8	-1.0%
40.7%	802	793	-9	-1.1%
42.0%	799	792	-7	-0.9%
43.2%	796	791	-5	-0.6%
44.4%	796	791	-5	-0.7%
45.7%	795	790	-5	-0.6%
46.9%	794	784	-10	-1.2%
48.1%	793	779	-14	-1.8%
49.4%	792	777	-14	-1.8%
50.6%	791	768	-24	-3.0%
51.9%	791	767	-23	-2.9%
53.1%	790	765	-25	-3.2%
54.3%	787	761	-26	-3.3%
55.6%	787	743	-44	-5.6%
56.8%	787	742	-45	-5.7%
58.0%	781	741	-40	-5.1%
59.3%	779	741	-38	-4.9%
60.5%	778	739	-39	-5.1%
61.7%	777	738	-39	-5.1%
63.0%	773	734	-40	-5.1%
64.2%	772	693	-78	-10.2%
65.4%	768	602	-166	-21.6%
66.7%	767	601	-166	-21.6%
67.9%	767	596	-171	-22.3%
69.1%	765	587	-178	-23.2%
70.4%	764	584	-180	-23.5%
71.6%	761	553	-208	-27.4%
72.8%	760	532	-229	-30.1%
74.1%	754	497	-257	-34.1%
75.3%	749	492	-258	-34.4%
76.5%	743	487	-256	-34.5%
77.8%	743	481	-262	-35.2%
79.0%	742	481	-261	-35.2%
80.2%	741	466	-275	-37.1%
81.5%	741	465	-276	-37.3%
82.7%	739	462	-277	-37.5%
84.0%	738	461	-277	-37.5%
85.2%	734	460	-273	-37.3%
86.4%	727	460	-267	-36.7%
87.7%	722	459	-263	-36.4%
88.9%	693	458	-235	-34.0%
90.1%	607	455	-152	-25.0%
91.4%	602	442	-159	-26.5%
92.6%	601	440	-161	-26.8%
93.8%	587	440	-147	-25.1%
95.1%	584	435	-149	-25.5%
96.3%	553	425	-128	-23.1%
97.5%	532	414	-117	-22.1%
98.8%	63	411	348	552.6%
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,380	794	135.7%
1.2%	577	1,300	722	125.1%
2.5%	572	1,018	446	78.1%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	562	-7	-1.2%
9.9%	566	554	-13	-2.2%
11.1%	564	547	-17	-3.1%
12.3%	560	546	-14	-2.5%
13.6%	555	541	-14	-2.5%
14.8%	551	537	-13	-2.4%
16.0%	550	524	-25	-4.6%
17.3%	548	514	-34	-6.3%
18.5%	546	501	-46	-8.4%
19.8%	546	500	-46	-8.4%
21.0%	545	495	-50	-9.2%
22.2%	544	494	-50	-9.2%
23.5%	539	489	-50	-9.3%
24.7%	533	473	-60	-11.3%
25.9%	529	466	-63	-12.0%
27.2%	529	465	-64	-12.0%
28.4%	516	456	-59	-11.5%
29.6%	508	450	-58	-11.4%
30.9%	507	444	-63	-12.4%
32.1%	502	442	-60	-11.9%
33.3%	501	437	-64	-12.8%
34.6%	501	435	-66	-13.1%
35.8%	482	428	-54	-11.3%
37.0%	482	426	-56	-11.6%
38.3%	481	412	-69	-14.3%
39.5%	479	412	-67	-14.0%
40.7%	475	412	-63	-13.3%
42.0%	474	405	-69	-14.6%
43.2%	465	402	-63	-13.4%
44.4%	457	401	-57	-12.4%
45.7%	457	400	-57	-12.4%
46.9%	450	400	-51	-11.3%
48.1%	443	390	-54	-12.1%
49.4%	442	387	-55	-12.4%
50.6%	438	378	-61	-13.8%
51.9%	438	370	-67	-15.4%
53.1%	436	368	-69	-15.7%
54.3%	435	361	-74	-17.1%
55.6%	428	357	-71	-16.5%
56.8%	426	356	-70	-16.3%
58.0%	421	348	-73	-17.3%
59.3%	420	344	-76	-18.0%
60.5%	420	342	-78	-18.6%
61.7%	417	342	-75	-18.0%
63.0%	411	339	-72	-17.6%
64.2%	408	338	-71	-17.3%
65.4%	405	336	-69	-17.0%
66.7%	401	331	-70	-17.4%
67.9%	400	331	-69	-17.3%
69.1%	398	326	-72	-18.1%
70.4%	396	325	-71	-17.9%
71.6%	386	324	-62	-16.0%
72.8%	379	323	-56	-14.8%
74.1%	376	322	-54	-14.4%
75.3%	369	320	-49	-13.4%
76.5%	364	317	-48	-13.1%
77.8%	357	313	-44	-12.3%
79.0%	353	313	-40	-11.2%
80.2%	351	306	-45	-12.8%
81.5%	349	289	-59	-17.0%
82.7%	346	288	-58	-16.7%
84.0%	333	285	-48	-14.4%
85.2%	331	283	-48	-14.4%
86.4%	330	282	-49	-14.7%
87.7%	330	280	-50	-15.2%
88.9%	323	280	-43	-13.2%
90.1%	322	277	-45	-14.0%
91.4%	318	268	-51	-16.0%
92.6%	318	266	-52	-16.3%
93.8%	312	259	-53	-16.9%
95.1%	306	256	-51	-16.5%
96.3%	299	222	-77	-25.8%
97.5%	298	217	-81	-27.3%
98.8%	285	215	-70	-24.7%
100.0%	263	210	-53	-20.2%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,614	1,297	408.2%
1.2%	316	1,587	1,271	402.1%
2.5%	314	1,392	1,078	342.7%
3.7%	310	1,366	1,055	340.0%
4.9%	306	1,366	1,060	346.9%
6.2%	304	1,366	1,062	349.9%
7.4%	298	1,309	1,011	339.8%
8.6%	296	1,272	976	329.1%
9.9%	292	1,271	979	334.8%
11.1%	284	1,250	966	339.7%
12.3%	284	1,250	966	340.3%
13.6%	283	1,187	904	319.6%
14.8%	282	1,135	852	301.9%
16.0%	277	1,135	858	310.0%
17.3%	272	1,135	863	316.7%
18.5%	271	1,115	844	311.1%
19.8%	270	1,085	815	301.5%
21.0%	268	1,019	751	279.8%
22.2%	268	1,019	751	280.4%
23.5%	268	871	603	225.0%
24.7%	263	865	602	228.8%
25.9%	259	696	436	168.4%
27.2%	255	624	369	144.5%
28.4%	254	569	314	123.6%
29.6%	253	552	299	118.0%
30.9%	240	318	78	32.4%
32.1%	239	314	76	31.7%
33.3%	237	310	74	31.2%
34.6%	235	306	71	30.0%
35.8%	231	304	72	31.2%
37.0%	225	298	73	32.5%
38.3%	224	292	69	30.6%
39.5%	222	284	62	27.9%
40.7%	222	283	61	27.5%
42.0%	216	282	66	30.6%
43.2%	212	271	59	27.8%
44.4%	212	268	57	26.7%
45.7%	209	268	59	27.9%
46.9%	204	259	55	26.9%
48.1%	201	255	54	26.7%
49.4%	197	254	57	29.1%
50.6%	194	240	46	23.8%
51.9%	193	239	46	23.6%
53.1%	189	239	50	26.3%
54.3%	185	237	52	28.2%
55.6%	184	227	43	23.4%
56.8%	183	225	42	23.1%
58.0%	181	222	42	23.1%
59.3%	180	222	42	23.1%
60.5%	179	212	33	18.3%
61.7%	179	210	31	17.4%
63.0%	175	204	29	16.7%
64.2%	172	197	25	14.8%
65.4%	171	194	22	13.1%
66.7%	171	193	22	12.9%
67.9%	166	185	18	11.0%
69.1%	161	183	21	13.0%
70.4%	161	180	19	12.0%
71.6%	159	172	13	8.3%
72.8%	158	171	14	8.6%
74.1%	158	161	4	2.4%
75.3%	158	161	3	2.0%
76.5%	158	159	1	0.5%
77.8%	158	158	0	0.1%
79.0%	158	158	0	0.0%
80.2%	158	158	0	0.0%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	158	0	0.0%
85.2%	158	152	-6	-3.7%
86.4%	158	149	-8	-5.3%
87.7%	158	146	-11	-7.2%
88.9%	158	141	-17	-10.6%
90.1%	158	140	-18	-11.4%
91.4%	158	133	-25	-15.6%
92.6%	158	131	-26	-16.7%
93.8%	152	131	-20	-13.4%
95.1%	138	119	-19	-13.7%
96.3%	119	119	0	0.0%
97.5%	119	75	-44	-37.0%
98.8%	119	67	-52	-44.0%
100.0%	119	67	-52	-44.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	384	243	173.1%
2.5%	141	384	243	173.1%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	365	257	238.1%
16.0%	105	350	245	234.0%
17.3%	102	350	248	243.9%
18.5%	91	350	258	282.9%
19.8%	87	296	209	239.2%
21.0%	87	286	199	228.8%
22.2%	82	272	190	230.8%
23.5%	80	271	190	236.9%
24.7%	78	269	191	244.9%
25.9%	75	269	194	259.6%
27.2%	75	269	194	259.6%
28.4%	75	269	194	259.6%
29.6%	75	269	194	259.6%
30.9%	75	269	194	259.6%
32.1%	75	188	114	151.9%
33.3%	75	188	114	151.9%
34.6%	75	188	114	151.9%
35.8%	75	188	114	151.9%
37.0%	75	188	114	151.9%
38.3%	75	188	114	151.9%
39.5%	75	188	114	151.9%
40.7%	75	188	114	151.9%
42.0%	75	147	72	95.9%
43.2%	75	144	69	92.7%
44.4%	75	141	66	87.9%
45.7%	75	141	66	87.9%
46.9%	75	139	65	86.2%
48.1%	75	137	63	83.6%
49.4%	75	137	62	82.5%
50.6%	75	133	59	78.2%
51.9%	75	122	47	63.2%
53.1%	75	122	47	63.2%
54.3%	75	120	45	60.0%
55.6%	75	114	39	52.5%
56.8%	75	108	33	44.5%
58.0%	75	108	33	44.3%
59.3%	75	108	33	44.3%
60.5%	75	108	33	44.3%
61.7%	75	108	33	44.3%
63.0%	75	108	33	44.3%
64.2%	75	108	33	44.3%
65.4%	75	108	33	44.3%
66.7%	75	87	12	16.6%
67.9%	75	87	12	16.1%
69.1%	75	82	7	10.0%
70.4%	75	80	6	7.5%
71.6%	75	75	0	0.0%
72.8%	75	75	0	0.0%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	56	-7	-10.5%
93.8%	56	56	0	0.0%
95.1%	56	56	0	0.0%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	26	-31	-54.1%
100.0%	56	23	-33	-58.8%

Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	496	428	625.5%
18.5%	68	496	428	625.5%
19.8%	68	495	427	624.1%
21.0%	68	495	427	624.1%
22.2%	68	495	427	624.1%
23.5%	68	495	427	624.1%
24.7%	68	495	427	624.1%
25.9%	68	435	366	535.1%
27.2%	68	435	366	535.1%
28.4%	68	430	362	529.1%
29.6%	68	420	352	514.0%
30.9%	68	342	273	399.3%
32.1%	68	342	273	399.3%
33.3%	68	342	273	399.3%
34.6%	68	342	273	399.3%
35.8%	68	342	273	399.3%
37.0%	68	331	263	383.7%
38.3%	68	249	180	263.5%
39.5%	68	249	180	263.5%
40.7%	68	249	180	263.5%
42.0%	68	249	180	263.5%
43.2%	68	242	173	253.4%
44.4%	68	232	164	239.1%
45.7%	68	197	129	188.1%
46.9%	68	164	96	139.7%
48.1%	68	156	87	127.8%
49.4%	68	156	87	127.8%
50.6%	68	156	87	127.8%
51.9%	68	156	87	127.8%
53.1%	68	156	87	127.8%
54.3%	68	156	87	127.8%
55.6%	68	156	87	127.8%
56.8%	68	153	84	123.1%
58.0%	68	153	84	123.1%
59.3%	68	118	50	73.1%
60.5%	68	100	32	46.7%
61.7%	68	97	29	41.7%
63.0%	68	97	28	41.3%
64.2%	68	83	14	20.7%
65.4%	68	80	12	16.9%
66.7%	68	80	11	16.5%
67.9%	68	74	6	8.7%
69.1%	68	72	3	4.6%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	68	17	32.4%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	52	0	0.0%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	50	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,851	1,640	774.6%
1.2%	176	1,807	1,631	927.8%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,802	1,733	
16.0%	66	1,691	1,624	
17.3%	66	1,554	1,488	
18.5%	61	1,553	1,492	
19.8%	58	1,553	1,495	
21.0%	58	1,553	1,495	
22.2%	56	1,539	1,483	
23.5%	56	1,426	1,370	
24.7%	50	1,426	1,376	
25.9%	48	1,426	1,379	
27.2%	47	1,426	1,380	
28.4%	46	1,426	1,380	
29.6%	46	1,418	1,372	
30.9%	45	1,337	1,292	
32.1%	44	1,312	1,268	
33.3%	41	1,302	1,261	
34.6%	40	1,300	1,259	
35.8%	33	1,256	1,224	
37.0%	32	1,238	1,206	
38.3%	32	1,185	1,153	
39.5%	30	1,178	1,148	
40.7%	30	1,173	1,143	
42.0%	25	1,173	1,148	
43.2%	25	1,003	978	
44.4%	22	927	905	
45.7%	22	919	897	
46.9%	22	919	897	
48.1%	22	919	898	
49.4%	20	900	881	
50.6%	20	666	646	
51.9%	20	616	596	
53.1%	20	581	562	
54.3%	20	562	543	
55.6%	20	561	541	
56.8%	20	474	455	
58.0%	20	452	433	
59.3%	20	448	429	
60.5%	20	432	412	
61.7%	20	296	276	
63.0%	20	275	256	
64.2%	20	255	236	
65.4%	20	150	130	667.0%
66.7%	20	136	116	596.3%
67.9%	20	94	74	380.3%
69.1%	20	82	62	319.0%
70.4%	20	78	59	301.5%
71.6%	20	74	54	277.9%
72.8%	20	71	52	266.1%
74.1%	20	67	47	242.5%
75.3%	20	64	45	228.7%
76.5%	20	54	35	177.2%
77.8%	20	53	34	171.8%
79.0%	20	53	34	171.8%
80.2%	20	51	31	160.0%
81.5%	20	46	27	136.4%
82.7%	20	46	27	136.4%
84.0%	20	37	18	89.7%
85.2%	20	33	13	66.9%
86.4%	20	32	13	65.7%
87.7%	20	22	3	14.5%
88.9%	20	22	3	13.2%
90.1%	20	16	-3	-16.9%
91.4%	20	14	-6	-28.8%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.7%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	3,000	334	12.5%
17.3%	2,660	3,000	340	12.8%
18.5%	2,585	3,000	415	16.0%
19.8%	2,543	3,000	457	18.0%
21.0%	2,518	3,000	482	19.1%
22.2%	2,484	3,000	516	20.8%
23.5%	2,433	3,000	567	23.3%
24.7%	2,414	3,000	586	24.3%
25.9%	2,395	2,993	597	24.9%
27.2%	2,380	2,945	566	23.8%
28.4%	2,379	2,929	550	23.1%
29.6%	2,377	2,897	520	21.9%
30.9%	2,374	2,885	512	21.6%
32.1%	2,366	2,883	517	21.9%
33.3%	2,364	2,877	514	21.7%
34.6%	2,363	2,832	469	19.8%
35.8%	2,353	2,813	460	19.6%
37.0%	2,347	2,798	452	19.2%
38.3%	2,323	2,789	466	20.1%
39.5%	2,310	2,785	475	20.6%
40.7%	2,299	2,771	472	20.6%
42.0%	2,291	2,768	477	20.8%
43.2%	2,283	2,720	437	19.1%
44.4%	2,267	2,717	450	19.8%
45.7%	2,248	2,674	426	19.0%
46.9%	2,239	2,666	427	19.0%
48.1%	2,235	2,660	426	19.0%
49.4%	2,205	2,643	437	19.8%
50.6%	2,197	2,585	388	17.7%
51.9%	2,189	2,562	372	17.0%
53.1%	2,181	2,518	338	15.5%
54.3%	2,173	2,517	344	15.8%
55.6%	2,151	2,514	363	16.9%
56.8%	2,144	2,433	289	13.5%
58.0%	2,142	2,380	237	11.1%
59.3%	2,141	2,379	238	11.1%
60.5%	2,139	2,377	238	11.1%
61.7%	2,136	2,374	238	11.1%
63.0%	2,135	2,366	231	10.8%
64.2%	2,130	2,363	233	10.9%
65.4%	2,130	2,338	208	9.7%
66.7%	2,116	2,323	207	9.8%
67.9%	2,090	2,310	220	10.5%
69.1%	2,080	2,299	219	10.5%
70.4%	2,077	2,291	214	10.3%
71.6%	2,077	2,248	171	8.2%
72.8%	2,042	2,239	197	9.7%
74.1%	2,042	2,181	139	6.8%
75.3%	2,034	2,161	127	6.2%
76.5%	1,983	2,144	161	8.1%
77.8%	1,967	2,142	176	8.9%
79.0%	1,903	2,141	238	12.5%
80.2%	1,895	2,135	240	12.7%
81.5%	1,809	2,116	307	17.0%
82.7%	1,777	2,092	315	17.7%
84.0%	1,768	2,077	309	17.5%
85.2%	1,747	2,042	295	16.9%
86.4%	1,662	1,768	106	6.4%
87.7%	1,659	1,747	88	5.3%
88.9%	1,555	1,659	105	6.7%
90.1%	1,522	1,659	136	8.9%
91.4%	1,466	1,418	-48	-3.3%
92.6%	1,418	1,402	-16	-1.1%
93.8%	1,402	1,395	-7	-0.5%
95.1%	1,375	1,375	0	0.0%
96.3%	1,271	1,357	86	6.8%
97.5%	1,249	1,331	82	6.6%
98.8%	1,158	1,208	50	4.3%
100.0%	1,002	1,117	115	11.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	3,000	662	28.3%
7.4%	2,331	3,000	669	28.7%
8.6%	2,315	3,000	685	29.6%
9.9%	2,315	3,000	685	29.6%
11.1%	2,310	3,000	690	29.9%
12.3%	2,299	3,000	701	30.5%
13.6%	2,299	3,000	701	30.5%
14.8%	2,299	3,000	701	30.5%
16.0%	2,296	3,000	704	30.6%
17.3%	2,289	2,966	677	29.6%
18.5%	2,289	2,943	654	28.6%
19.8%	2,289	2,725	436	19.1%
21.0%	2,284	2,618	334	14.6%
22.2%	2,274	2,403	129	5.7%
23.5%	2,274	2,397	124	5.4%
24.7%	2,266	2,392	126	5.6%
25.9%	2,266	2,346	80	3.5%
27.2%	2,261	2,340	80	3.5%
28.4%	2,258	2,340	82	3.7%
29.6%	2,255	2,338	83	3.7%
30.9%	2,252	2,331	78	3.5%
32.1%	2,250	2,330	80	3.5%
33.3%	2,250	2,325	75	3.3%
34.6%	2,248	2,315	67	3.0%
35.8%	2,247	2,315	67	3.0%
37.0%	2,245	2,310	65	2.9%
38.3%	2,245	2,296	51	2.3%
39.5%	2,242	2,289	47	2.1%
40.7%	2,242	2,289	47	2.1%
42.0%	2,237	2,274	36	1.6%
43.2%	2,222	2,274	52	2.3%
44.4%	2,219	2,266	47	2.1%
45.7%	2,213	2,266	52	2.4%
46.9%	2,211	2,261	50	2.3%
48.1%	2,206	2,250	45	2.0%
49.4%	2,198	2,248	49	2.2%
50.6%	2,185	2,247	62	2.8%
51.9%	2,185	2,246	61	2.8%
53.1%	2,165	2,245	80	3.7%
54.3%	2,162	2,245	83	3.8%
55.6%	2,147	2,237	91	4.2%
56.8%	2,141	2,226	85	4.0%
58.0%	2,133	2,219	86	4.0%
59.3%	2,118	2,207	89	4.2%
60.5%	2,100	2,206	106	5.0%
61.7%	2,086	2,201	115	5.5%
63.0%	2,086	2,198	112	5.4%
64.2%	2,076	2,187	111	5.4%
65.4%	2,066	2,165	99	4.8%
66.7%	2,045	2,162	117	5.7%
67.9%	2,032	2,141	109	5.4%
69.1%	2,025	2,141	116	5.7%
70.4%	2,024	2,133	109	5.4%
71.6%	2,007	2,118	111	5.6%
72.8%	1,990	2,076	86	4.3%
74.1%	1,944	2,066	122	6.3%
75.3%	1,937	2,033	97	5.0%
76.5%	1,926	2,025	99	5.1%
77.8%	1,921	2,007	86	4.5%
79.0%	1,882	1,944	62	3.3%
80.2%	1,856	1,937	81	4.4%
81.5%	1,843	1,872	29	1.6%
82.7%	1,840	1,843	3	0.1%
84.0%	1,825	1,797	-28	-1.5%
85.2%	1,797	1,790	-7	-0.4%
86.4%	1,790	1,709	-81	-4.5%
87.7%	1,762	1,667	-95	-5.4%
88.9%	1,709	1,642	-67	-3.9%
90.1%	1,692	1,612	-81	-4.8%
91.4%	1,667	1,586	-81	-4.9%
92.6%	1,642	1,562	-79	-4.8%
93.8%	1,586	1,456	-130	-8.2%
95.1%	1,562	1,308	-254	-16.3%
96.3%	1,547	1,281	-266	-17.2%
97.5%	1,456	1,110	-347	-23.8%
98.8%	1,422	887	-535	-37.6%
100.0%	1,202	739	-464	-38.6%

Table OP-02-5b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	3,000	0	0.0%
17.3%	3,000	3,000	0	0.0%
18.5%	3,000	3,000	0	0.0%
19.8%	3,000	3,000	0	0.0%
21.0%	3,000	3,000	0	0.0%
22.2%	3,000	3,000	0	0.0%
23.5%	3,000	3,000	0	0.0%
24.7%	3,000	3,000	0	0.0%
25.9%	3,000	3,000	0	0.0%
27.2%	3,000	3,000	0	0.0%
28.4%	3,000	3,000	0	0.0%
29.6%	3,000	3,000	0	0.0%
30.9%	3,000	3,000	0	0.0%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	3,000	0	0.0%
34.6%	3,000	3,000	0	0.0%
35.8%	3,000	3,000	0	0.0%
37.0%	3,000	3,000	0	0.0%
38.3%	3,000	3,000	0	0.0%
39.5%	3,000	3,000	0	0.0%
40.7%	3,000	3,000	0	0.0%
42.0%	3,000	3,000	0	0.0%
43.2%	3,000	3,000	0	0.0%
44.4%	3,000	3,000	0	0.0%
45.7%	3,000	3,000	0	0.0%
46.9%	3,000	3,000	0	0.0%
48.1%	3,000	3,000	0	0.0%
49.4%	3,000	3,000	0	0.0%
50.6%	3,000	3,000	0	0.0%
51.9%	3,000	3,000	0	0.0%
53.1%	3,000	3,000	0	0.0%
54.3%	3,000	2,998	-2	-0.1%
55.6%	3,000	2,996	-4	-0.1%
56.8%	3,000	2,979	-21	-0.7%
58.0%	3,000	2,953	-47	-1.6%
59.3%	3,000	2,950	-50	-1.7%
60.5%	3,000	2,940	-60	-2.0%
61.7%	3,000	2,918	-82	-2.7%
63.0%	3,000	2,905	-95	-3.2%
64.2%	2,998	2,850	-148	-4.9%
65.4%	2,998	2,792	-206	-6.9%
66.7%	2,996	2,792	-204	-6.8%
67.9%	2,996	2,685	-310	-10.4%
69.1%	2,985	2,672	-314	-10.5%
70.4%	2,969	2,529	-440	-14.8%
71.6%	2,964	2,439	-524	-17.7%
72.8%	2,953	2,434	-519	-17.6%
74.1%	2,953	2,330	-623	-21.1%
75.3%	2,953	2,310	-643	-21.8%
76.5%	2,950	2,296	-654	-22.2%
77.8%	2,918	2,229	-689	-23.6%
79.0%	2,915	2,173	-743	-25.5%
80.2%	2,905	2,044	-861	-29.6%
81.5%	2,865	1,899	-966	-33.7%
82.7%	2,840	1,838	-1,003	-35.3%
84.0%	2,827	1,684	-1,143	-40.4%
85.2%	2,792	1,679	-1,114	-39.9%
86.4%	2,787	1,673	-1,114	-40.0%
87.7%	2,776	1,654	-1,122	-40.4%
88.9%	2,685	1,624	-1,061	-39.5%
90.1%	2,439	1,622	-817	-33.5%
91.4%	2,434	1,609	-825	-33.9%
92.6%	2,338	1,586	-752	-32.2%
93.8%	2,330	1,586	-744	-31.9%
95.1%	2,326	1,585	-741	-31.9%
96.3%	2,315	1,582	-733	-31.6%
97.5%	2,310	1,580	-730	-31.6%
98.8%	2,296	1,180	-1,116	-48.6%
100.0%	2,236	1,161	-1,075	-48.1%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	3,000	77	2.6%
1.2%	2,923	3,000	77	2.6%
2.5%	2,923	3,000	77	2.6%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,923	0	0.0%
9.9%	2,923	2,923	0	0.0%
11.1%	2,923	2,923	0	0.0%
12.3%	2,923	2,923	0	0.0%
13.6%	2,923	2,923	0	0.0%
14.8%	2,923	2,923	0	0.0%
16.0%	2,923	2,923	0	0.0%
17.3%	2,923	2,923	0	0.0%
18.5%	2,923	2,923	0	0.0%
19.8%	2,923	2,923	0	0.0%
21.0%	2,923	2,923	0	0.0%
22.2%	2,923	2,923	0	0.0%
23.5%	2,923	2,923	0	0.0%
24.7%	2,923	2,923	0	0.0%
25.9%	2,923	2,923	0	0.0%
27.2%	2,923	2,923	0	0.0%
28.4%	2,923	2,923	0	0.0%
29.6%	2,923	2,923	0	0.0%
30.9%	2,923	2,923	0	0.0%
32.1%	2,923	2,923	0	0.0%
33.3%	2,923	2,923	0	0.0%
34.6%	2,923	2,923	0	0.0%
35.8%	2,923	2,923	0	0.0%
37.0%	2,923	2,918	-5	-0.2%
38.3%	2,923	2,918	-5	-0.2%
39.5%	2,923	2,918	-5	-0.2%
40.7%	2,923	2,915	-8	-0.3%
42.0%	2,923	2,913	-10	-0.4%
43.2%	2,918	2,905	-13	-0.5%
44.4%	2,915	2,902	-13	-0.4%
45.7%	2,915	2,895	-20	-0.7%
46.9%	2,913	2,879	-34	-1.2%
48.1%	2,912	2,844	-68	-2.3%
49.4%	2,902	2,828	-74	-2.6%
50.6%	2,885	2,822	-62	-2.2%
51.9%	2,868	2,653	-215	-7.5%
53.1%	2,866	2,635	-231	-8.0%
54.3%	2,851	2,625	-225	-7.9%
55.6%	2,845	2,584	-261	-9.2%
56.8%	2,844	2,475	-369	-13.0%
58.0%	2,828	2,409	-419	-14.8%
59.3%	2,828	2,336	-492	-17.4%
60.5%	2,828	2,322	-506	-17.9%
61.7%	2,828	2,295	-533	-18.9%
63.0%	2,828	2,247	-581	-20.5%
64.2%	2,828	2,244	-584	-20.6%
65.4%	2,828	2,162	-666	-23.6%
66.7%	2,828	2,110	-718	-25.4%
67.9%	2,828	2,067	-761	-26.9%
69.1%	2,828	1,996	-832	-29.4%
70.4%	2,828	1,975	-853	-30.2%
71.6%	2,828	1,869	-959	-33.9%
72.8%	2,828	1,859	-969	-34.3%
74.1%	2,828	1,605	-1,223	-43.2%
75.3%	2,828	1,577	-1,251	-44.2%
76.5%	2,828	1,549	-1,279	-45.2%
77.8%	2,828	1,549	-1,279	-45.2%
79.0%	2,828	1,549	-1,279	-45.2%
80.2%	2,828	1,517	-1,310	-46.3%
81.5%	2,823	1,471	-1,352	-47.9%
82.7%	2,823	1,394	-1,429	-50.6%
84.0%	2,823	1,384	-1,439	-51.0%
85.2%	2,820	1,384	-1,436	-50.9%
86.4%	2,810	1,384	-1,426	-50.7%
87.7%	2,799	1,384	-1,415	-50.6%
88.9%	2,610	1,384	-1,226	-47.0%
90.1%	2,247	1,384	-863	-38.4%
91.4%	2,244	1,384	-860	-38.3%
92.6%	2,163	1,384	-779	-36.0%
93.8%	2,162	1,384	-778	-36.0%
95.1%	2,128	1,383	-745	-35.0%
96.3%	2,110	1,383	-727	-34.4%
97.5%	2,082	1,379	-703	-33.8%
98.8%	2,067	1,163	-903	-43.7%
100.0%	2,064	1,095	-969	-46.9%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	3,000	776	34.9%
6.2%	2,224	3,000	776	34.9%
7.4%	2,224	3,000	776	34.9%
8.6%	2,224	3,000	776	34.9%
9.9%	2,224	2,369	145	6.5%
11.1%	2,224	2,279	55	2.5%
12.3%	2,224	2,247	23	1.0%
13.6%	2,224	2,224	0	0.0%
14.8%	2,224	2,224	0	0.0%
16.0%	2,224	2,224	0	0.0%
17.3%	2,224	2,224	0	0.0%
18.5%	2,224	2,224	0	0.0%
19.8%	2,224	2,224	0	0.0%
21.0%	2,224	2,224	0	0.0%
22.2%	2,224	2,224	0	0.0%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,221	2,224	3	0.1%
28.4%	2,219	2,224	5	0.2%
29.6%	2,214	2,224	10	0.5%
30.9%	2,210	2,224	14	0.6%
32.1%	2,203	2,224	21	0.9%
33.3%	2,198	2,224	26	1.2%
34.6%	2,194	2,224	30	1.4%
35.8%	2,186	2,224	38	1.8%
37.0%	2,177	2,224	47	2.1%
38.3%	2,175	2,224	49	2.3%
39.5%	2,173	2,224	51	2.3%
40.7%	2,170	2,224	54	2.5%
42.0%	2,156	2,224	68	3.2%
43.2%	2,134	2,224	89	4.2%
44.4%	2,132	2,224	92	4.3%
45.7%	2,114	2,224	110	5.2%
46.9%	2,114	2,224	110	5.2%
48.1%	2,114	2,224	110	5.2%
49.4%	2,114	2,224	110	5.2%
50.6%	2,114	2,224	110	5.2%
51.9%	2,114	2,224	110	5.2%
53.1%	2,114	2,221	108	5.1%
54.3%	2,114	2,219	105	5.0%
55.6%	2,114	2,214	100	4.8%
56.8%	2,114	2,214	100	4.7%
58.0%	2,114	2,214	100	4.7%
59.3%	2,114	2,211	98	4.6%
60.5%	2,114	2,211	97	4.6%
61.7%	2,114	2,203	90	4.2%
63.0%	2,114	2,195	81	3.8%
64.2%	2,114	2,182	68	3.2%
65.4%	2,114	2,177	64	3.0%
66.7%	2,114	2,175	61	2.9%
67.9%	2,114	2,171	58	2.7%
69.1%	2,111	2,138	27	1.3%
70.4%	2,109	2,114	5	0.2%
71.6%	2,109	2,111	3	0.1%
72.8%	2,109	2,109	1	0.0%
74.1%	2,103	2,109	5	0.2%
75.3%	2,101	2,109	8	0.4%
76.5%	2,101	2,100	-1	-0.1%
77.8%	2,083	2,076	-6	-0.3%
79.0%	2,074	2,048	-26	-1.3%
80.2%	2,053	1,985	-68	-3.3%
81.5%	2,048	1,807	-241	-11.8%
82.7%	2,039	1,751	-288	-14.1%
84.0%	2,030	1,632	-398	-19.6%
85.2%	2,010	1,624	-386	-19.2%
86.4%	1,989	1,511	-478	-24.0%
87.7%	1,883	1,440	-443	-23.5%
88.9%	1,854	1,413	-442	-23.8%
90.1%	1,511	1,411	-100	-6.6%
91.4%	1,496	1,410	-87	-5.8%
92.6%	1,440	1,397	-43	-3.0%
93.8%	1,413	1,364	-48	-3.4%
95.1%	1,411	1,342	-69	-4.9%
96.3%	1,410	1,180	-230	-16.3%
97.5%	1,397	1,180	-218	-15.6%
98.8%	1,364	1,102	-263	-19.3%
100.0%	1,342	835	-507	-37.8%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	1,577	967	158.7%
1.2%	607	1,503	896	147.7%
2.5%	607	923	317	52.2%
3.7%	605	723	117	19.4%
4.9%	604	607	3	0.5%
6.2%	601	606	5	0.9%
7.4%	600	605	5	0.8%
8.6%	599	601	1	0.2%
9.9%	599	600	1	0.2%
11.1%	597	599	3	0.4%
12.3%	597	595	-2	-0.4%
13.6%	595	590	-4	-0.7%
14.8%	592	590	-3	-0.4%
16.0%	591	590	-2	-0.3%
17.3%	591	588	-3	-0.5%
18.5%	590	587	-4	-0.6%
19.8%	590	586	-4	-0.7%
21.0%	590	586	-4	-0.7%
22.2%	590	585	-4	-0.7%
23.5%	590	585	-5	-0.8%
24.7%	589	584	-5	-0.8%
25.9%	588	583	-5	-0.9%
27.2%	588	583	-5	-0.8%
28.4%	588	582	-6	-1.0%
29.6%	587	580	-7	-1.1%
30.9%	586	578	-8	-1.4%
32.1%	586	578	-8	-1.4%
33.3%	585	578	-8	-1.3%
34.6%	585	577	-8	-1.4%
35.8%	585	572	-12	-2.1%
37.0%	584	570	-14	-2.4%
38.3%	583	568	-15	-2.6%
39.5%	583	563	-20	-3.3%
40.7%	580	561	-19	-3.3%
42.0%	578	561	-17	-3.0%
43.2%	578	561	-17	-2.9%
44.4%	578	550	-27	-4.7%
45.7%	577	548	-29	-5.0%
46.9%	577	546	-31	-5.3%
48.1%	576	546	-30	-5.2%
49.4%	575	545	-30	-5.2%
50.6%	575	543	-32	-5.6%
51.9%	572	535	-37	-6.5%
53.1%	572	528	-43	-7.6%
54.3%	571	528	-44	-7.6%
55.6%	571	516	-55	-9.7%
56.8%	570	509	-61	-10.7%
58.0%	568	460	-108	-19.1%
59.3%	564	449	-115	-20.4%
60.5%	563	442	-121	-21.6%
61.7%	563	437	-126	-22.4%
63.0%	561	406	-155	-27.7%
64.2%	561	404	-156	-27.9%
65.4%	560	378	-183	-32.6%
66.7%	559	363	-196	-35.0%
67.9%	554	348	-205	-37.1%
69.1%	553	348	-205	-37.1%
70.4%	551	340	-211	-38.3%
71.6%	550	306	-244	-44.4%
72.8%	546	306	-240	-43.9%
74.1%	545	306	-239	-43.9%
75.3%	543	306	-237	-43.7%
76.5%	535	306	-230	-42.9%
77.8%	535	306	-229	-42.8%
79.0%	528	306	-223	-42.1%
80.2%	528	306	-223	-42.1%
81.5%	528	303	-224	-42.5%
82.7%	514	303	-211	-41.1%
84.0%	509	303	-206	-40.4%
85.2%	498	303	-195	-39.1%
86.4%	461	303	-158	-34.3%
87.7%	460	303	-156	-34.0%
88.9%	442	303	-139	-31.4%
90.1%	441	303	-137	-31.2%
91.4%	437	301	-136	-31.2%
92.6%	406	300	-105	-25.9%
93.8%	404	291	-114	-28.1%
95.1%	396	291	-106	-26.7%
96.3%	378	286	-92	-24.3%
97.5%	363	283	-80	-22.0%
98.8%	336	241	-95	-28.3%
100.0%	325	0	-325	-100.0%

Table OP-03-5a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

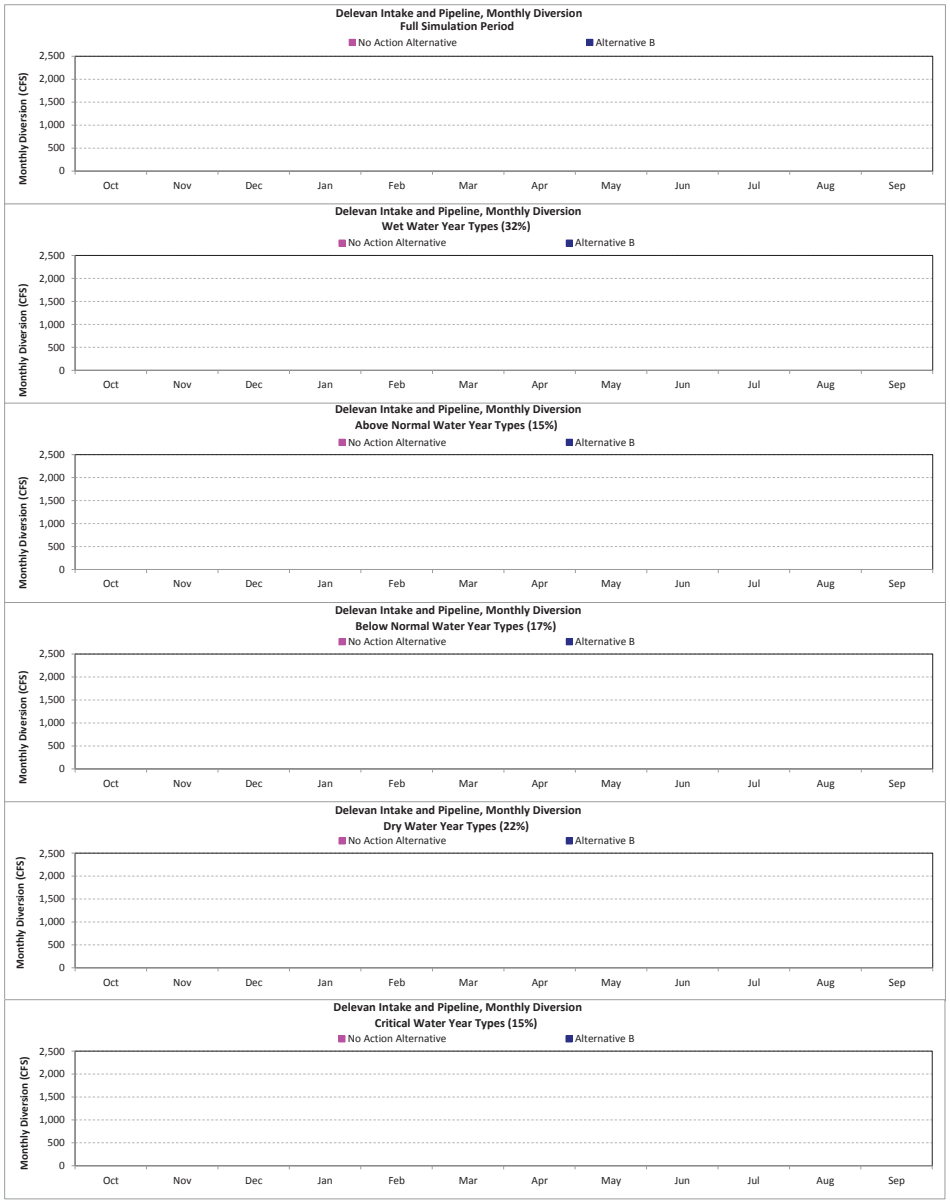

Figure OP-03-5b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

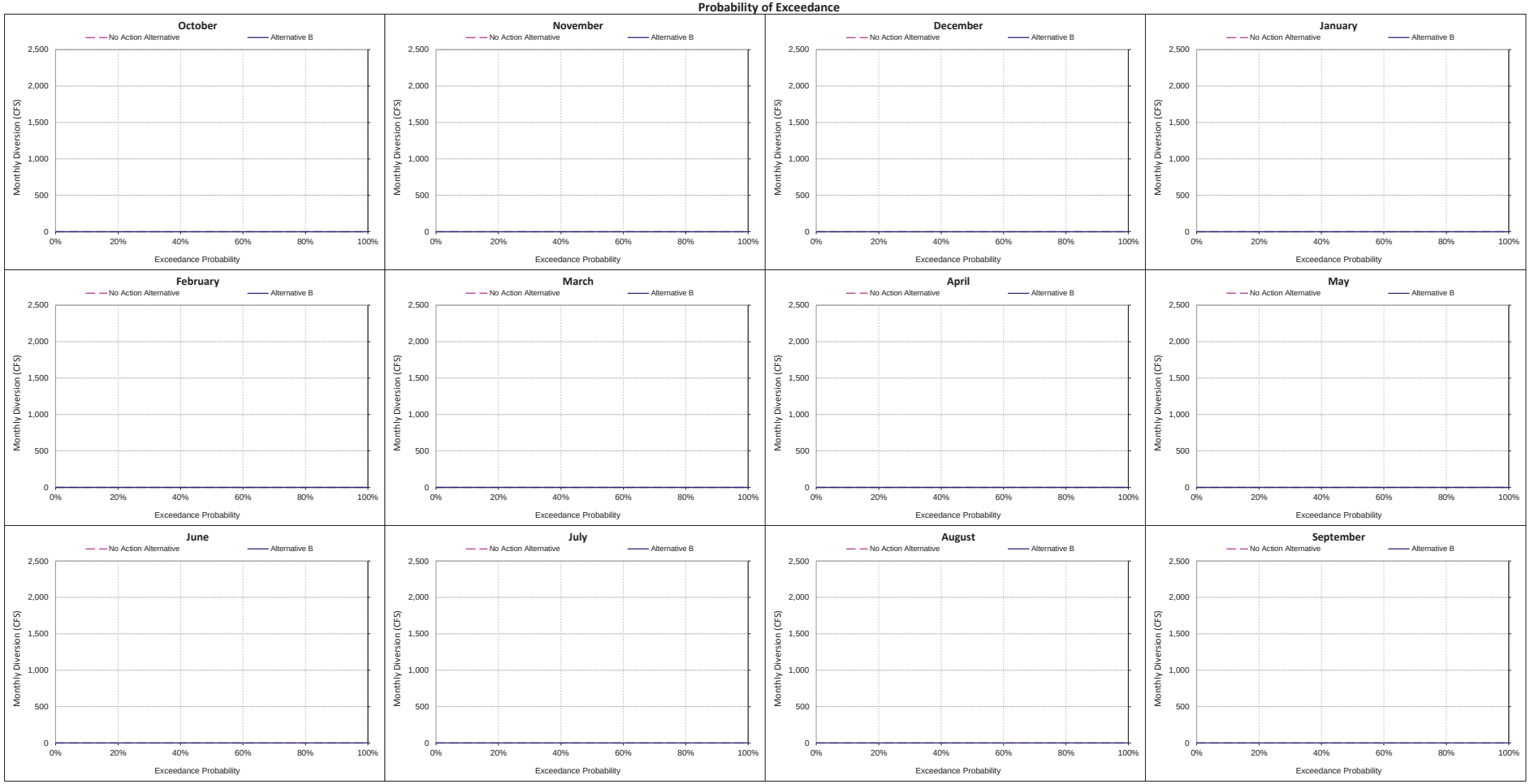

Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-5b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-5a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	78	142	1,031	1,454	1,687	2,210	828	389	53	17	120	33
Difference	78	142	1,031	1,454	1,687	2,210	828	389	53	17	120	33
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	112	153	1,301	1,847	1,887	2,345	1,311	685	14	47	349	77
Difference	112	153	1,301	1,847	1,887	2,345	1,311	685	14	47	349	77
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	273	262	1,563	1,908	2,387	3,294	1,260	914	152	0	21	0
Difference	273	262	1,563	1,908	2,387	3,294	1,260	914	152	0	21	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	83	914	1,609	1,610	2,434	808	222	147	0	0	0
Difference	0	83	914	1,609	1,610	2,434	808	222	147	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	6	162	607	1,047	1,534	1,953	409	0	0	4	14	15
Difference	6	162	607	1,047	1,534	1,953	409	0	0	4	14	15
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	9	39	683	575	876	953	0	0	11	10	24	35
Difference	9	39	683	575	876	953	0	0	11	10	24	35
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

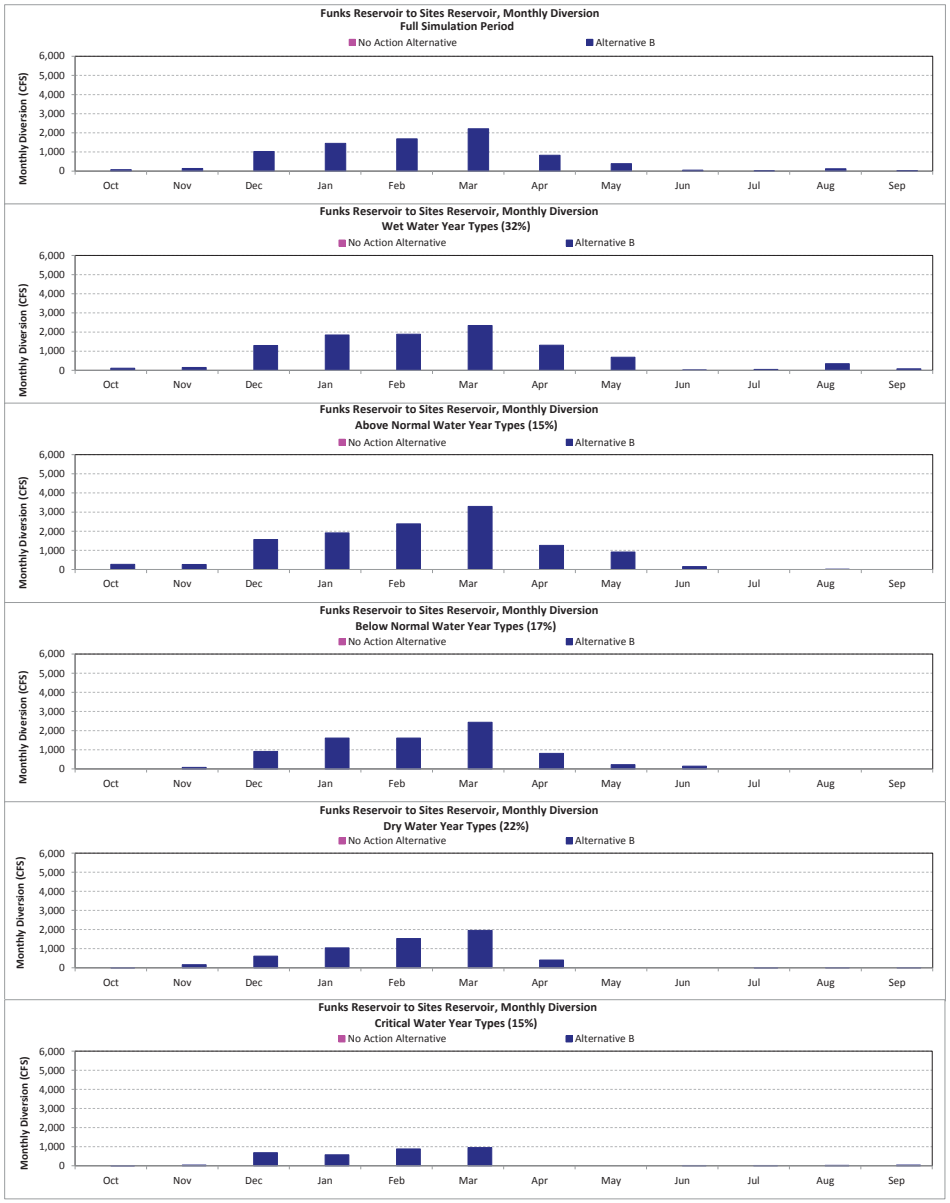

Figure OP-04-5b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

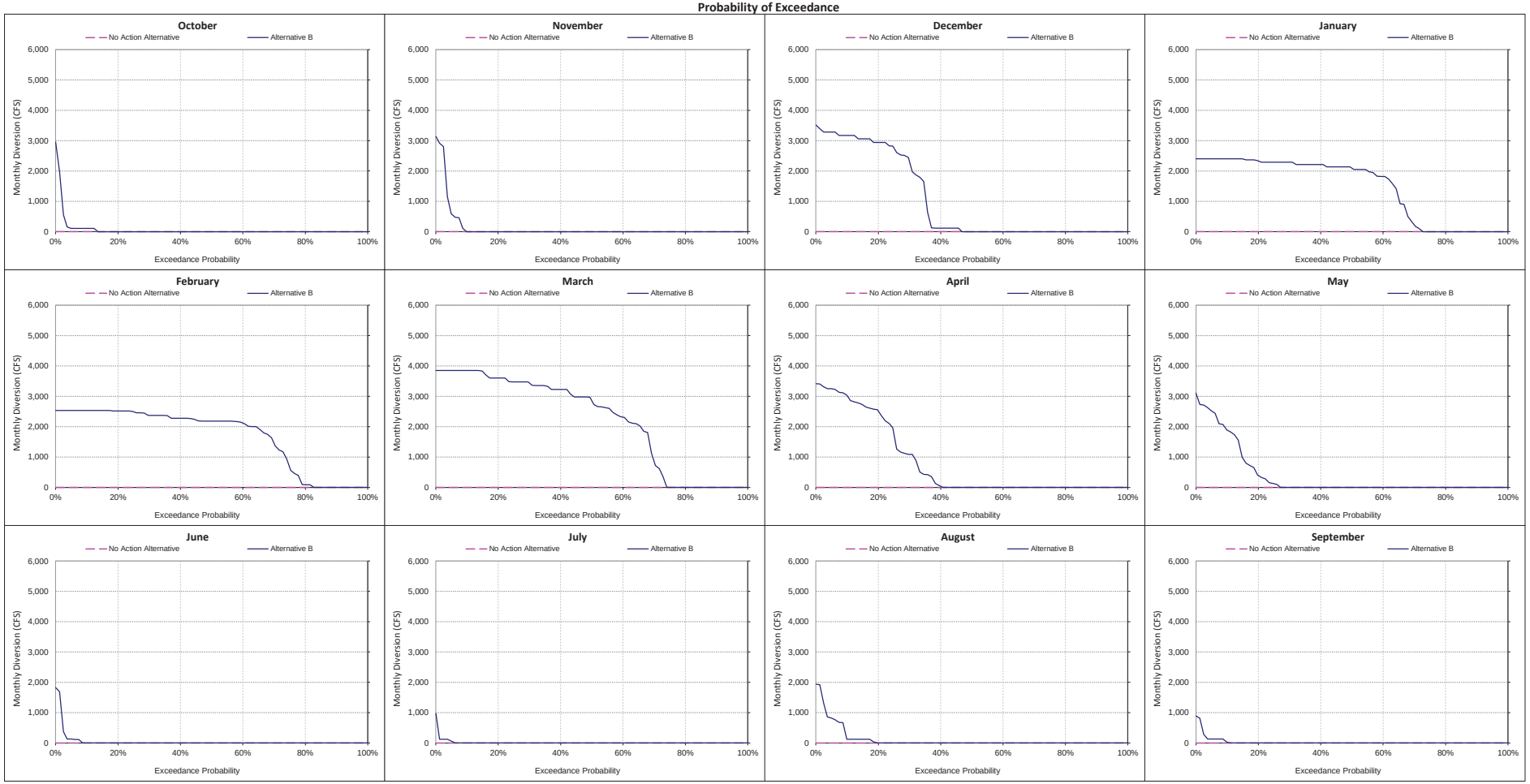

Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,950	2,950	
1.2%	0	1,977	1,977	
2.5%	0	555	555	
3.7%	0	162	162	
4.9%	0	109	109	
6.2%	0	109	109	
7.4%	0	109	109	
8.6%	0	109	109	
9.9%	0	109	109	
11.1%	0	109	109	
12.3%	0	109	109	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,142	3,142	
1.2%	0	2,917	2,917	
2.5%	0	2,805	2,805	
3.7%	0	1,163	1,163	
4.9%	0	591	591	
6.2%	0	473	473	
7.4%	0	462	462	
8.6%	0	112	112	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,511	3,511	
1.2%	0	3,398	3,398	
2.5%	0	3,284	3,284	
3.7%	0	3,284	3,284	
4.9%	0	3,284	3,284	
6.2%	0	3,284	3,284	
7.4%	0	3,171	3,171	
8.6%	0	3,171	3,171	
9.9%	0	3,171	3,171	
11.1%	0	3,171	3,171	
12.3%	0	3,171	3,171	
13.6%	0	3,058	3,058	
14.8%	0	3,058	3,058	
16.0%	0	3,058	3,058	
17.3%	0	3,058	3,058	
18.5%	0	2,945	2,945	
19.8%	0	2,945	2,945	
21.0%	0	2,945	2,945	
22.2%	0	2,945	2,945	
23.5%	0	2,831	2,831	
24.7%	0	2,819	2,819	
25.9%	0	2,605	2,605	
27.2%	0	2,526	2,526	
28.4%	0	2,516	2,516	
29.6%	0	2,444	2,444	
30.9%	0	1,974	1,974	
32.1%	0	1,874	1,874	
33.3%	0	1,790	1,790	
34.6%	0	1,655	1,655	
35.8%	0	634	634	
37.0%	0	127	127	
38.3%	0	113	113	
39.5%	0	113	113	
40.7%	0	113	113	
42.0%	0	113	113	
43.2%	0	113	113	
44.4%	0	113	113	
45.7%	0	113	113	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,403	2,403	
1.2%	0	2,403	2,403	
2.5%	0	2,403	2,403	
3.7%	0	2,403	2,403	
4.9%	0	2,403	2,403	
6.2%	0	2,403	2,403	
7.4%	0	2,403	2,403	
8.6%	0	2,403	2,403	
9.9%	0	2,403	2,403	
11.1%	0	2,403	2,403	
12.3%	0	2,403	2,403	
13.6%	0	2,403	2,403	
14.8%	0	2,403	2,403	
16.0%	0	2,369	2,369	
17.3%	0	2,369	2,369	
18.5%	0	2,369	2,369	
19.8%	0	2,343	2,343	
21.0%	0	2,290	2,290	
22.2%	0	2,290	2,290	
23.5%	0	2,290	2,290	
24.7%	0	2,290	2,290	
25.9%	0	2,290	2,290	
27.2%	0	2,290	2,290	
28.4%	0	2,290	2,290	
29.6%	0	2,290	2,290	
30.9%	0	2,290	2,290	
32.1%	0	2,211	2,211	
33.3%	0	2,211	2,211	
34.6%	0	2,211	2,211	
35.8%	0	2,211	2,211	
37.0%	0	2,211	2,211	
38.3%	0	2,211	2,211	
39.5%	0	2,211	2,211	
40.7%	0	2,211	2,211	
42.0%	0	2,132	2,132	
43.2%	0	2,132	2,132	
44.4%	0	2,132	2,132	
45.7%	0	2,132	2,132	
46.9%	0	2,132	2,132	
48.1%	0	2,132	2,132	
49.4%	0	2,132	2,132	
50.6%	0	2,053	2,053	
51.9%	0	2,053	2,053	
53.1%	0	2,053	2,053	
54.3%	0	2,053	2,053	
55.6%	0	1,975	1,975	
56.8%	0	1,945	1,945	
58.0%	0	1,832	1,832	
59.3%	0	1,817	1,817	
60.5%	0	1,817	1,817	
61.7%	0	1,738	1,738	
63.0%	0	1,587	1,587	
64.2%	0	1,418	1,418	
65.4%	0	919	919	
66.7%	0	903	903	
67.9%	0	501	501	
69.1%	0	328	328	
70.4%	0	180	180	
71.6%	0	98	98	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,536	2,536	
1.2%	0	2,536	2,536	
2.5%	0	2,536	2,536	
3.7%	0	2,536	2,536	
4.9%	0	2,536	2,536	
6.2%	0	2,536	2,536	
7.4%	0	2,536	2,536	
8.6%	0	2,536	2,536	
9.9%	0	2,536	2,536	
11.1%	0	2,536	2,536	
12.3%	0	2,536	2,536	
13.6%	0	2,536	2,536	
14.8%	0	2,536	2,536	
16.0%	0	2,536	2,536	
17.3%	0	2,536	2,536	
18.5%	0	2,521	2,521	
19.8%	0	2,521	2,521	
21.0%	0	2,521	2,521	
22.2%	0	2,521	2,521	
23.5%	0	2,521	2,521	
24.7%	0	2,497	2,497	
25.9%	0	2,459	2,459	
27.2%	0	2,459	2,459	
28.4%	0	2,447	2,447	
29.6%	0	2,368	2,368	
30.9%	0	2,368	2,368	
32.1%	0	2,368	2,368	
33.3%	0	2,368	2,368	
34.6%	0	2,368	2,368	
35.8%	0	2,360	2,360	
37.0%	0	2,277	2,277	
38.3%	0	2,277	2,277	
39.5%	0	2,277	2,277	
40.7%	0	2,277	2,277	
42.0%	0	2,277	2,277	
43.2%	0	2,272	2,272	
44.4%	0	2,243	2,243	
45.7%	0	2,190	2,190	
46.9%	0	2,186	2,186	
48.1%	0	2,186	2,186	
49.4%	0	2,186	2,186	
50.6%	0	2,186	2,186	
51.9%	0	2,186	2,186	
53.1%	0	2,186	2,186	
54.3%	0	2,186	2,186	
55.6%	0	2,185	2,185	
56.8%	0	2,185	2,185	
58.0%	0	2,170	2,170	
59.3%	0	2,150	2,150	
60.5%	0	2,095	2,095	
61.7%	0	2,010	2,010	
63.0%	0	2,004	2,004	
64.2%	0	2,004	2,004	
65.4%	0	1,913	1,913	
66.7%	0	1,801	1,801	
67.9%	0	1,748	1,748	
69.1%	0	1,639	1,639	
70.4%	0	1,366	1,366	
71.6%	0	1,230	1,230	
72.8%	0	1,176	1,176	
74.1%	0	923	923	
75.3%	0	555	555	
76.5%	0	454	454	
77.8%	0	391	391	
79.0%	0	91	91	
80.2%	0	88	88	
81.5%	0	87	87	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,852	3,852	
1.2%	0	3,852	3,852	
2.5%	0	3,852	3,852	
3.7%	0	3,852	3,852	
4.9%	0	3,852	3,852	
6.2%	0	3,852	3,852	
7.4%	0	3,852	3,852	
8.6%	0	3,852	3,852	
9.9%	0	3,852	3,852	
11.1%	0	3,852	3,852	
12.3%	0	3,852	3,852	
13.6%	0	3,852	3,852	
14.8%	0	3,835	3,835	
16.0%	0	3,706	3,706	
17.3%	0	3,604	3,604	
18.5%	0	3,603	3,603	
19.8%	0	3,603	3,603	
21.0%	0	3,603	3,603	
22.2%	0	3,603	3,603	
23.5%	0	3,482	3,482	
24.7%	0	3,479	3,479	
25.9%	0	3,479	3,479	
27.2%	0	3,479	3,479	
28.4%	0	3,479	3,479	
29.6%	0	3,479	3,479	
30.9%	0	3,367	3,367	
32.1%	0	3,355	3,355	
33.3%	0	3,355	3,355	
34.6%	0	3,355	3,355	
35.8%	0	3,328	3,328	
37.0%	0	3,231	3,231	
38.3%	0	3,231	3,231	
39.5%	0	3,231	3,231	
40.7%	0	3,231	3,231	
42.0%	0	3,231	3,231	
43.2%	0	3,066	3,066	
44.4%	0	2,982	2,982	
45.7%	0	2,982	2,982	
46.9%	0	2,982	2,982	
48.1%	0	2,977	2,977	
49.4%	0	2,974	2,974	
50.6%	0	2,734	2,734	
51.9%	0	2,663	2,663	
53.1%	0	2,652	2,652	
54.3%	0	2,631	2,631	
55.6%	0	2,601	2,601	
56.8%	0	2,467	2,467	
58.0%	0	2,385	2,385	
59.3%	0	2,331	2,331	
60.5%	0	2,307	2,307	
61.7%	0	2,161	2,161	
63.0%	0	2,117	2,117	
64.2%	0	2,100	2,100	
65.4%	0	2,022	2,022	
66.7%	0	1,845	1,845	
67.9%	0	1,810	1,810	
69.1%	0	1,121	1,121	
70.4%	0	724	724	
71.6%	0	618	618	
72.8%	0	360	360	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,417	3,417	
1.2%	0	3,410	3,410	
2.5%	0	3,309	3,309	
3.7%	0	3,250	3,250	
4.9%	0	3,250	3,250	
6.2%	0	3,223	3,223	
7.4%	0	3,132	3,132	
8.6%	0	3,120	3,120	
9.9%	0	3,040	3,040	
11.1%	0	2,860	2,860	
12.3%	0	2,814	2,814	
13.6%	0	2,784	2,784	
14.8%	0	2,730	2,730	
16.0%	0	2,649	2,649	
17.3%	0	2,608	2,608	
18.5%	0	2,578	2,578	
19.8%	0	2,563	2,563	
21.0%	0	2,361	2,361	
22.2%	0	2,188	2,188	
23.5%	0	2,106	2,106	
24.7%	0	1,961	1,961	
25.9%	0	1,262	1,262	
27.2%	0	1,168	1,168	
28.4%	0	1,122	1,122	
29.6%	0	1,089	1,089	
30.9%	0	1,088	1,088	
32.1%	0	893	893	
33.3%	0	505	505	
34.6%	0	427	427	
35.8%	0	421	421	
37.0%	0	349	349	
38.3%	0	130	130	
39.5%	0	61	61	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,108	3,108	
1.2%	0	2,729	2,729	
2.5%	0	2,717	2,717	
3.7%	0	2,630	2,630	
4.9%	0	2,522	2,522	
6.2%	0	2,443	2,443	
7.4%	0	2,093	2,093	
8.6%	0	2,075	2,075	
9.9%	0	1,888	1,888	
11.1%	0	1,826	1,826	
12.3%	0	1,740	1,740	
13.6%	0	1,556	1,556	
14.8%	0	990	990	
16.0%	0	801	801	
17.3%	0	720	720	
18.5%	0	654	654	
19.8%	0	412	412	
21.0%	0	330	330	
22.2%	0	282	282	
23.5%	0	156	156	
24.7%	0	126	126	
25.9%	0	92	92	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-5b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,825	1,825	
1.2%	0	1,690	1,690	
2.5%	0	373	373	
3.7%	0	130	130	
4.9%	0	130	130	
6.2%	0	119	119	
7.4%	0	119	119	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	967	967	
1.2%	0	126	126	
2.5%	0	126	126	
3.7%	0	126	126	
4.9%	0	67	67	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,936	1,936	
1.2%	0	1,923	1,923	
2.5%	0	1,302	1,302	
3.7%	0	859	859	
4.9%	0	824	824	
6.2%	0	764	764	
7.4%	0	677	677	
8.6%	0	675	675	
9.9%	0	126	126	
11.1%	0	126	126	
12.3%	0	126	126	
13.6%	0	126	126	
14.8%	0	126	126	
16.0%	0	126	126	
17.3%	0	126	126	
18.5%	0	39	39	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	896	896	
1.2%	0	813	813	
2.5%	0	289	289	
3.7%	0	134	134	
4.9%	0	130	130	
6.2%	0	130	130	
7.4%	0	130	130	
8.6%	0	130	130	
9.9%	0	27	27	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-5a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	119	60	15	0	0	0	73	54	373	567	98	140
Difference	119	60	15	0	0	0	73	54	373	567	98	140
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	299	145	43	0	0	0	0	0	223	652	126	335
Difference	299	145	43	0	0	0	0	0	223	652	126	335
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	47	43	0	0	0	0	0	0	424	857	231	145
Difference	47	43	0	0	0	0	0	0	424	857	231	145
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	32	3	1	0	0	0	0	1	476	714	4	22
Difference	32	3	1	0	0	0	0	1	476	714	4	22
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	54	30	5	0	0	0	154	144	493	320	107	38
Difference	54	30	5	0	0	0	154	144	493	320	107	38
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1	1	1	0	0	0	266	152	343	288	0	1
Difference	1	1	1	0	0	0	266	152	343	288	0	1
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

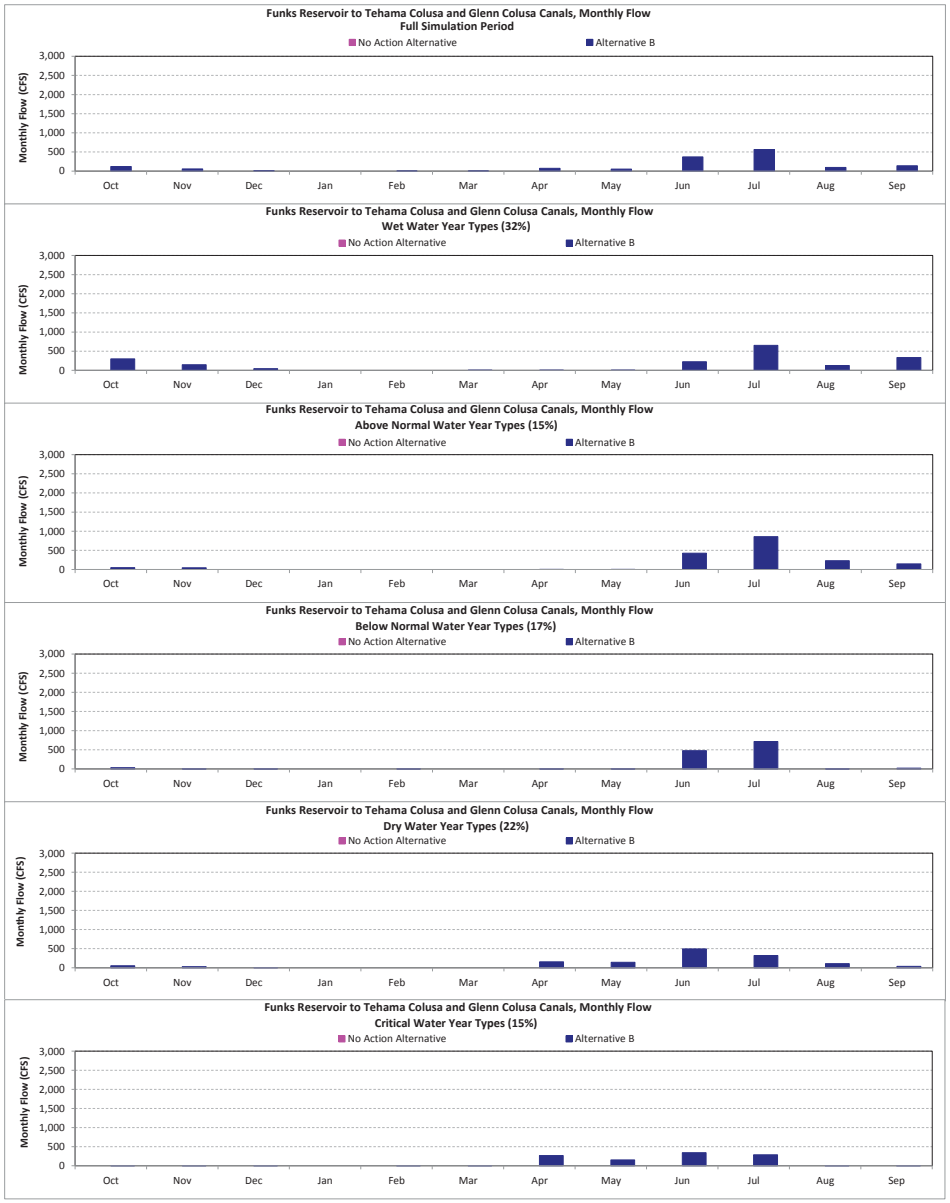

Figure OP-05-5b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

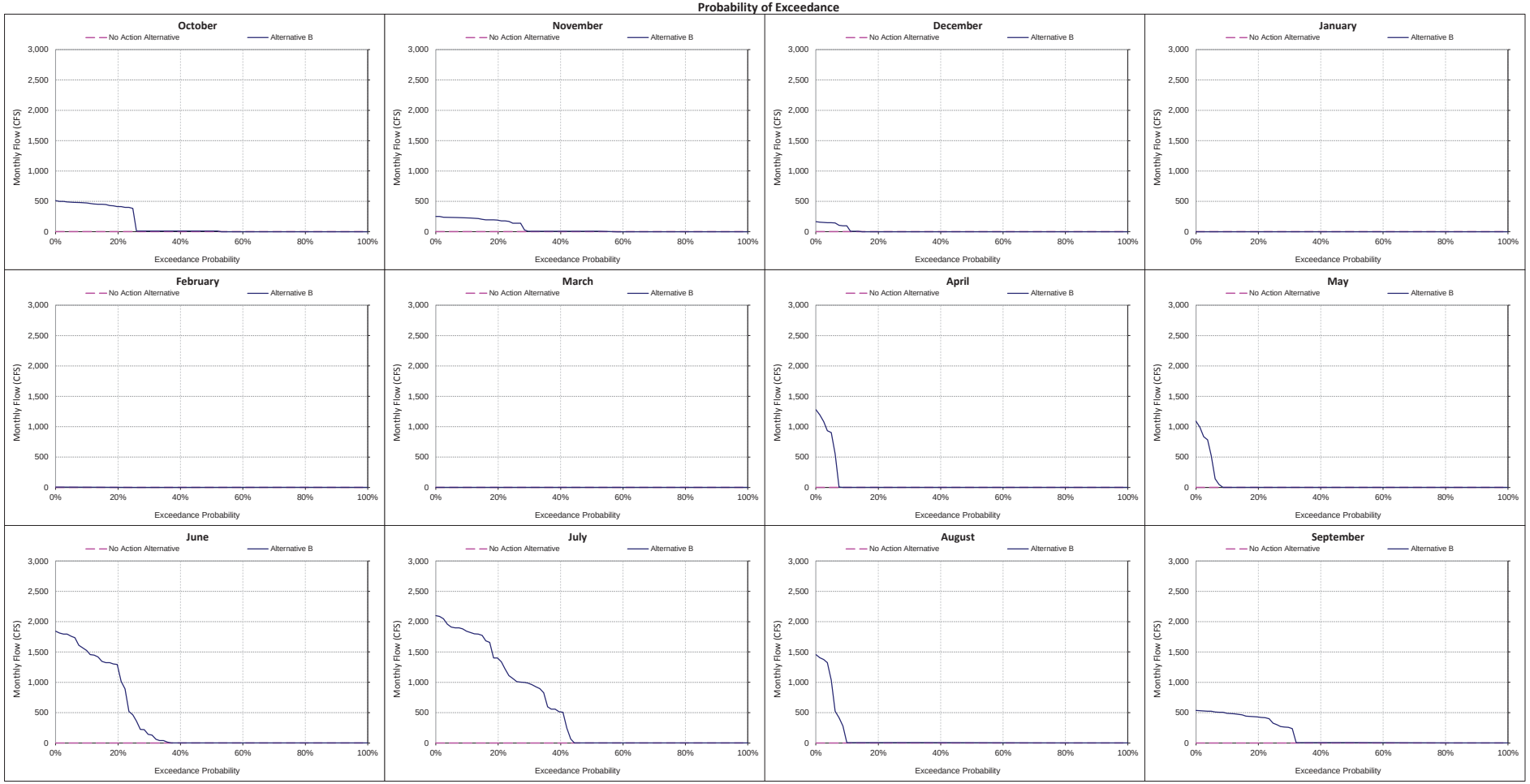

Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	511	511	
1.2%	0	498	498	
2.5%	0	497	497	
3.7%	0	488	488	
4.9%	0	487	487	
6.2%	0	481	481	
7.4%	0	481	481	
8.6%	0	478	478	
9.9%	0	472	472	
11.1%	0	466	466	
12.3%	0	454	454	
13.6%	0	453	453	
14.8%	0	453	453	
16.0%	0	449	449	
17.3%	0	432	432	
18.5%	0	424	424	
19.8%	0	414	414	
21.0%	0	414	414	
22.2%	0	400	400	
23.5%	0	400	400	
24.7%	0	385	385	
25.9%	0	10	10	
27.2%	0	10	10	
28.4%	0	10	10	
29.6%	0	10	10	
30.9%	0	10	10	
32.1%	0	10	10	
33.3%	0	10	10	
34.6%	0	10	10	
35.8%	0	10	10	
37.0%	0	10	10	
38.3%	0	10	10	
39.5%	0	10	10	
40.7%	0	10	10	
42.0%	0	10	10	
43.2%	0	10	10	
44.4%	0	10	10	
45.7%	0	10	10	
46.9%	0	10	10	
48.1%	0	10	10	
49.4%	0	10	10	
50.6%	0	10	10	
51.9%	0	10	10	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	250	250	
1.2%	0	248	248	
2.5%	0	239	239	
3.7%	0	237	237	
4.9%	0	232	232	
6.2%	0	232	232	
7.4%	0	232	232	
8.6%	0	229	229	
9.9%	0	224	224	
11.1%	0	223	223	
12.3%	0	219	219	
13.6%	0	215	215	
14.8%	0	203	203	
16.0%	0	196	196	
17.3%	0	193	193	
18.5%	0	193	193	
19.8%	0	192	192	
21.0%	0	179	179	
22.2%	0	177	177	
23.5%	0	170	170	
24.7%	0	140	140	
25.9%	0	140	140	
27.2%	0	140	140	
28.4%	0	29	29	
29.6%	0	7	7	
30.9%	0	7	7	
32.1%	0	7	7	
33.3%	0	7	7	
34.6%	0	7	7	
35.8%	0	7	7	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	7	7	
40.7%	0	7	7	
42.0%	0	7	7	
43.2%	0	7	7	
44.4%	0	7	7	
45.7%	0	7	7	
46.9%	0	7	7	
48.1%	0	7	7	
49.4%	0	7	7	
50.6%	0	7	7	
51.9%	0	7	7	
53.1%	0	7	7	
54.3%	0	7	7	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	165	165	
1.2%	0	157	157	
2.5%	0	151	151	
3.7%	0	146	146	
4.9%	0	146	146	
6.2%	0	143	143	
7.4%	0	103	103	
8.6%	0	98	98	
9.9%	0	98	98	
11.1%	0	7	7	
12.3%	0	7	7	
13.6%	0	7	7	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4	
1.2%	0	4	4	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1	1	
1.2%	0	1	1	
2.5%	0	1	1	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,280	1,280	
1.2%	0	1,194	1,194	
2.5%	0	1,082	1,082	
3.7%	0	934	934	
4.9%	0	903	903	
6.2%	0	553	553	
7.4%	0	6	6	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,091	1,091	
1.2%	0	993	993	
2.5%	0	836	836	
3.7%	0	785	785	
4.9%	0	521	521	
6.2%	0	141	141	
7.4%	0	46	46	
8.6%	0	1	1	
9.9%	0	1	1	
11.1%	0	1	1	
12.3%	0	1	1	
13.6%	0	1	1	
14.8%	0	1	1	
16.0%	0	1	1	
17.3%	0	1	1	
18.5%	0	1	1	
19.8%	0	1	1	
21.0%	0	1	1	
22.2%	0	1	1	
23.5%	0	1	1	
24.7%	0	1	1	
25.9%	0	1	1	
27.2%	0	1	1	
28.4%	0	1	1	
29.6%	0	1	1	
30.9%	0	1	1	
32.1%	0	1	1	
33.3%	0	1	1	
34.6%	0	1	1	
35.8%	0	1	1	
37.0%	0	1	1	
38.3%	0	1	1	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-5b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,841	1,841	
1.2%	0	1,814	1,814	
2.5%	0	1,795	1,795	
3.7%	0	1,793	1,793	
4.9%	0	1,762	1,762	
6.2%	0	1,737	1,737	
7.4%	0	1,610	1,610	
8.6%	0	1,569	1,569	
9.9%	0	1,526	1,526	
11.1%	0	1,457	1,457	
12.3%	0	1,449	1,449	
13.6%	0	1,418	1,418	
14.8%	0	1,345	1,345	
16.0%	0	1,326	1,326	
17.3%	0	1,324	1,324	
18.5%	0	1,305	1,305	
19.8%	0	1,294	1,294	
21.0%	0	1,017	1,017	
22.2%	0	893	893	
23.5%	0	519	519	
24.7%	0	464	464	
25.9%	0	362	362	
27.2%	0	223	223	
28.4%	0	220	220	
29.6%	0	142	142	
30.9%	0	129	129	
32.1%	0	61	61	
33.3%	0	40	40	
34.6%	0	40	40	
35.8%	0	13	13	
37.0%	0	2	2	
38.3%	0	2	2	
39.5%	0	2	2	
40.7%	0	2	2	
42.0%	0	2	2	
43.2%	0	2	2	
44.4%	0	2	2	
45.7%	0	2	2	
46.9%	0	2	2	
48.1%	0	2	2	
49.4%	0	2	2	
50.6%	0	2	2	
51.9%	0	2	2	
53.1%	0	2	2	
54.3%	0	2	2	
55.6%	0	2	2	
56.8%	0	2	2	
58.0%	0	2	2	
59.3%	0	2	2	
60.5%	0	2	2	
61.7%	0	2	2	
63.0%	0	2	2	
64.2%	0	2	2	
65.4%	0	2	2	
66.7%	0	2	2	
67.9%	0	2	2	
69.1%	0	2	2	
70.4%	0	2	2	
71.6%	0	2	2	
72.8%	0	2	2	
74.1%	0	2	2	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,099	2,099	
1.2%	0	2,086	2,086	
2.5%	0	2,047	2,047	
3.7%	0	1,956	1,956	
4.9%	0	1,912	1,912	
6.2%	0	1,897	1,897	
7.4%	0	1,897	1,897	
8.6%	0	1,882	1,882	
9.9%	0	1,842	1,842	
11.1%	0	1,819	1,819	
12.3%	0	1,801	1,801	
13.6%	0	1,794	1,794	
14.8%	0	1,773	1,773	
16.0%	0	1,684	1,684	
17.3%	0	1,659	1,659	
18.5%	0	1,402	1,402	
19.8%	0	1,400	1,400	
21.0%	0	1,339	1,339	
22.2%	0	1,222	1,222	
23.5%	0	1,111	1,111	
24.7%	0	1,063	1,063	
25.9%	0	1,010	1,010	
27.2%	0	1,004	1,004	
28.4%	0	1,000	1,000	
29.6%	0	988	988	
30.9%	0	963	963	
32.1%	0	926	926	
33.3%	0	896	896	
34.6%	0	828	828	
35.8%	0	597	597	
37.0%	0	559	559	
38.3%	0	557	557	
39.5%	0	515	515	
40.7%	0	508	508	
42.0%	0	244	244	
43.2%	0	67	67	
44.4%	0	4	4	
45.7%	0	4	4	
46.9%	0	4	4	
48.1%	0	4	4	
49.4%	0	4	4	
50.6%	0	4	4	
51.9%	0	4	4	
53.1%	0	4	4	
54.3%	0	4	4	
55.6%	0	4	4	
56.8%	0	4	4	
58.0%	0	4	4	
59.3%	0	4	4	
60.5%	0	4	4	
61.7%	0	4	4	
63.0%	0	4	4	
64.2%	0	4	4	
65.4%	0	4	4	
66.7%	0	4	4	
67.9%	0	4	4	
69.1%	0	4	4	
70.4%	0	4	4	
71.6%	0	4	4	
72.8%	0	4	4	
74.1%	0	4	4	
75.3%	0	4	4	
76.5%	0	4	4	
77.8%	0	4	4	
79.0%	0	4	4	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,458	1,458	
1.2%	0	1,405	1,405	
2.5%	0	1,375	1,375	
3.7%	0	1,323	1,323	
4.9%	0	1,037	1,037	
6.2%	0	523	523	
7.4%	0	419	419	
8.6%	0	278	278	
9.9%	0	5	5	
11.1%	0	5	5	
12.3%	0	5	5	
13.6%	0	5	5	
14.8%	0	5	5	
16.0%	0	5	5	
17.3%	0	5	5	
18.5%	0	5	5	
19.8%	0	5	5	
21.0%	0	5	5	
22.2%	0	5	5	
23.5%	0	5	5	
24.7%	0	5	5	
25.9%	0	5	5	
27.2%	0	5	5	
28.4%	0	5	5	
29.6%	0	5	5	
30.9%	0	5	5	
32.1%	0	5	5	
33.3%	0	5	5	
34.6%	0	5	5	
35.8%	0	5	5	
37.0%	0	5	5	
38.3%	0	5	5	
39.5%	0	5	5	
40.7%	0	5	5	
42.0%	0	5	5	
43.2%	0	5	5	
44.4%	0	5	5	
45.7%	0	5	5	
46.9%	0	5	5	
48.1%	0	5	5	
49.4%	0	5	5	
50.6%	0	5	5	
51.9%	0	5	5	
53.1%	0	5	5	
54.3%	0	5	5	
55.6%	0	5	5	
56.8%	0	5	5	
58.0%	0	5	5	
59.3%	0	5	5	
60.5%	0	5	5	
61.7%	0	5	5	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	537	537	
1.2%	0	531	531	
2.5%	0	528	528	
3.7%	0	524	524	
4.9%	0	524	524	
6.2%	0	512	512	
7.4%	0	508	508	
8.6%	0	508	508	
9.9%	0	491	491	
11.1%	0	486	486	
12.3%	0	480	480	
13.6%	0	471	471	
14.8%	0	466	466	
16.0%	0	441	441	
17.3%	0	437	437	
18.5%	0	432	432	
19.8%	0	430	430	
21.0%	0	420	420	
22.2%	0	417	417	
23.5%	0	401	401	
24.7%	0	326	326	
25.9%	0	302	302	
27.2%	0	272	272	
28.4%	0	263	263	
29.6%	0	260	260	
30.9%	0	239	239	
32.1%	0	7	7	
33.3%	0	7	7	
34.6%	0	7	7	
35.8%	0	7	7	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	7	7	
40.7%	0	7	7	
42.0%	0	7	7	
43.2%	0	7	7	
44.4%	0	7	7	
45.7%	0	7	7	
46.9%	0	7	7	
48.1%	0	7	7	
49.4%	0	7	7	
50.6%	0	7	7	
51.9%	0	7	7	
53.1%	0	7	7	
54.3%	0	7	7	
55.6%	0	7	7	
56.8%	0	7	7	
58.0%	0	7	7	
59.3%	0	7	7	
60.5%	0	7	7	
61.7%	0	7	7	
63.0%	0	7	7	
64.2%	0	7	7	
65.4%	0	7	7	
66.7%	0	7	7	
67.9%	0	7	7	
69.1%	0	7	7	
70.4%	0	7	7	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-5a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	712	784	74	0	35	71	495	551	658	996	801	945
Difference	712	784	74	0	35	71	495	551	658	996	801	945
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	938	1,185	63	0	0	9	235	165	278	649	532	1,220
Difference	938	1,185	63	0	0	9	235	165	278	649	532	1,220
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	794	1,196	44	0	0	0	284	251	421	1,148	742	1,189
Difference	794	1,196	44	0	0	0	284	251	421	1,148	742	1,189
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	441	459	78	0	41	0	480	700	636	1,090	819	585
Difference	441	459	78	0	41	0	480	700	636	1,090	819	585
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	761	573	120	0	0	83	789	959	1,036	1,264	1,333	1,038
Difference	761	573	120	0	0	83	789	959	1,036	1,264	1,333	1,038
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	382	197	58	0	189	343	844	902	1,177	1,082	622	386
Difference	382	197	58	0	189	343	844	902	1,177	1,082	622	386
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

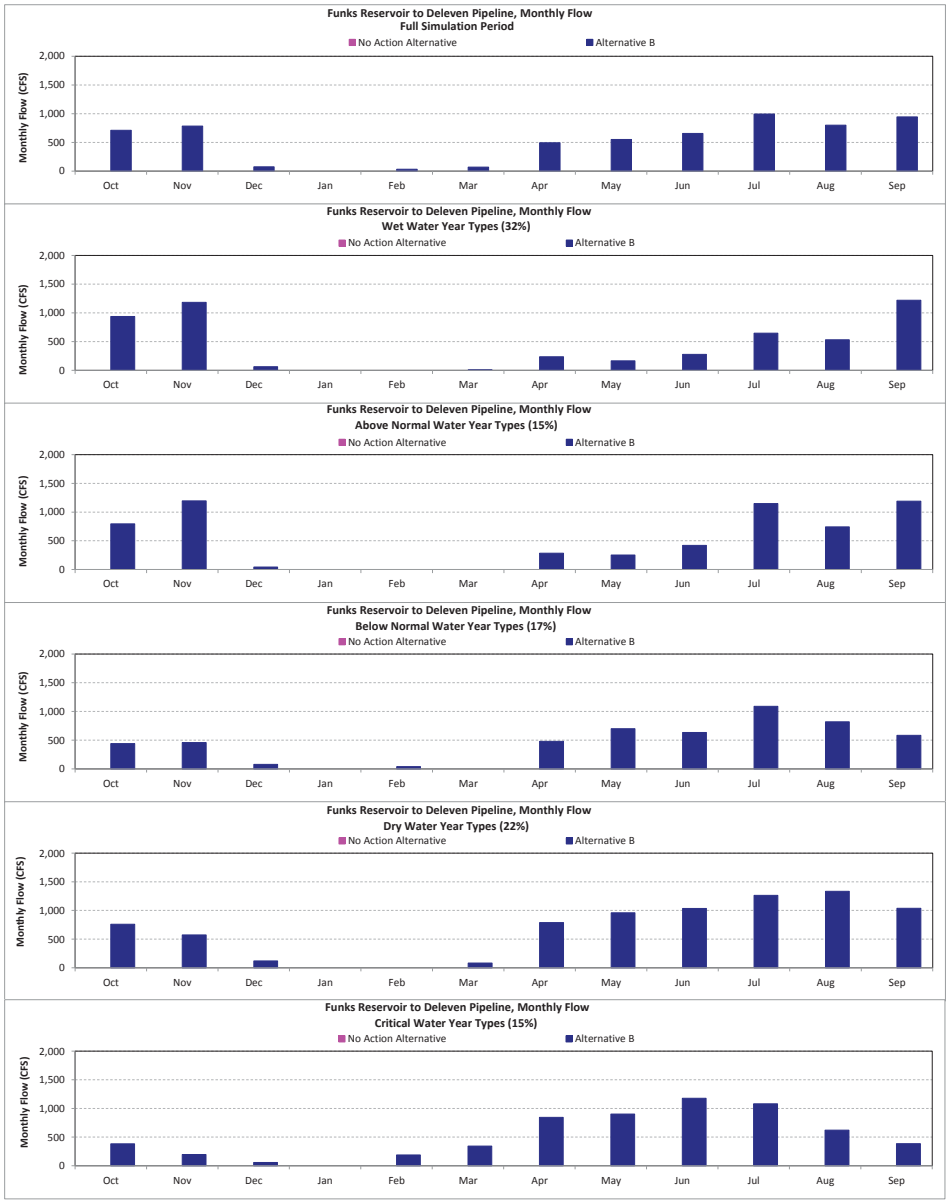

Figure OP-06-5b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

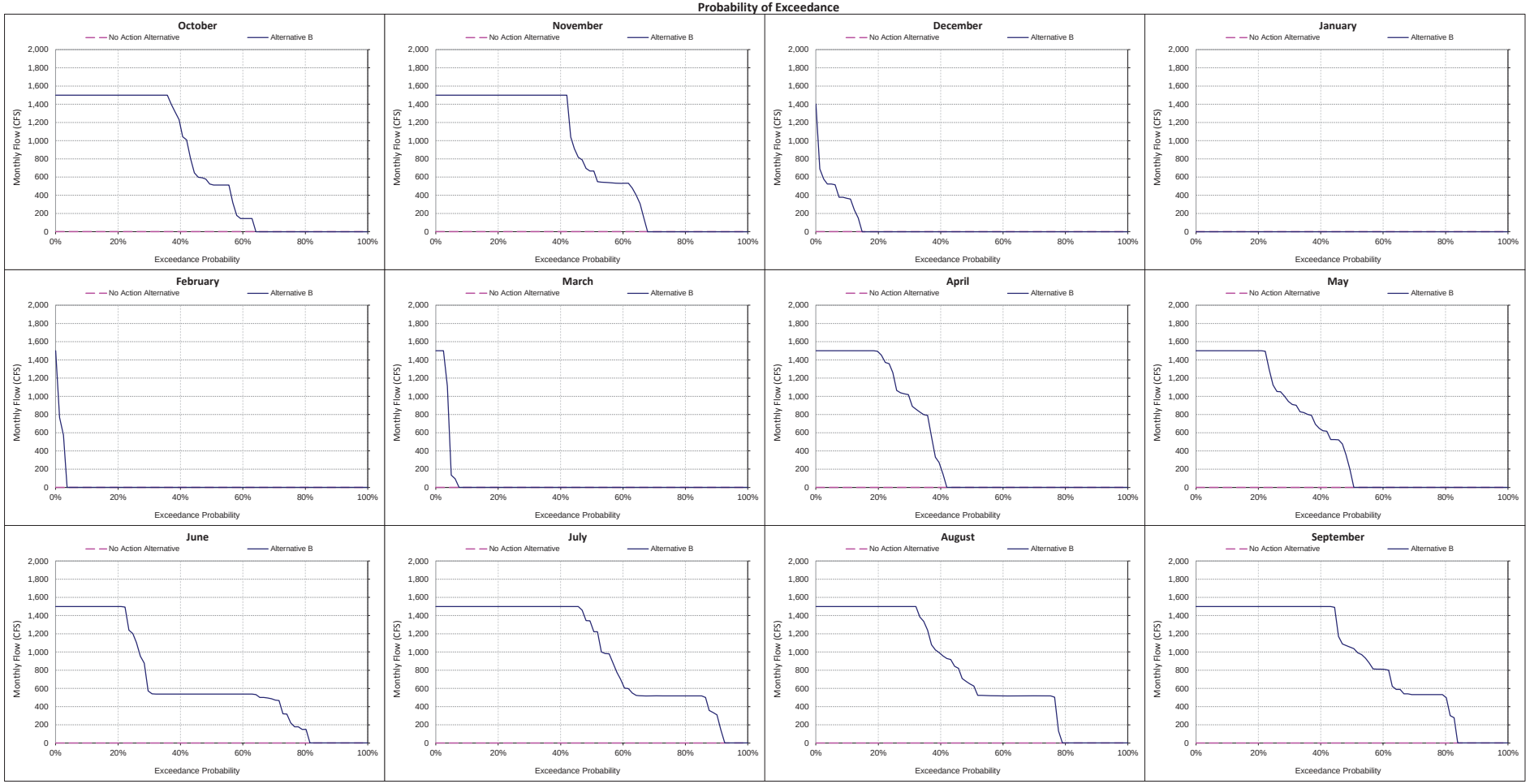

Table OP-06-5b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,399	1,399	
38.3%	0	1,315	1,315	
39.5%	0	1,231	1,231	
40.7%	0	1,044	1,044	
42.0%	0	1,009	1,009	
43.2%	0	807	807	
44.4%	0	645	645	
45.7%	0	598	598	
46.9%	0	593	593	
48.1%	0	578	578	
49.4%	0	523	523	
50.6%	0	512	512	
51.9%	0	512	512	
53.1%	0	512	512	
54.3%	0	512	512	
55.6%	0	512	512	
56.8%	0	317	317	
58.0%	0	179	179	
59.3%	0	145	145	
60.5%	0	145	145	
61.7%	0	145	145	
63.0%	0	145	145	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,041	1,041	
44.4%	0	913	913	
45.7%	0	818	818	
46.9%	0	789	789	
48.1%	0	695	695	
49.4%	0	667	667	
50.6%	0	667	667	
51.9%	0	548	548	
53.1%	0	544	544	
54.3%	0	540	540	
55.6%	0	540	540	
56.8%	0	533	533	
58.0%	0	533	533	
59.3%	0	533	533	
60.5%	0	533	533	
61.7%	0	533	533	
63.0%	0	477	477	
64.2%	0	400	400	
65.4%	0	308	308	
66.7%	0	156	156	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,403	1,403	
1.2%	0	690	690	
2.5%	0	578	578	
3.7%	0	523	523	
4.9%	0	523	523	
6.2%	0	516	516	
7.4%	0	379	379	
8.6%	0	377	377	
9.9%	0	366	366	
11.1%	0	358	358	
12.3%	0	239	239	
13.6%	0	151	151	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-5b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	768	768	
2.5%	0	575	575	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,114	1,114	
4.9%	0	133	133	
6.2%	0	94	94	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,496	1,496	
21.0%	0	1,453	1,453	
22.2%	0	1,373	1,373	
23.5%	0	1,359	1,359	
24.7%	0	1,262	1,262	
25.9%	0	1,064	1,064	
27.2%	0	1,040	1,040	
28.4%	0	1,026	1,026	
29.6%	0	1,019	1,019	
30.9%	0	891	891	
32.1%	0	858	858	
33.3%	0	827	827	
34.6%	0	799	799	
35.8%	0	789	789	
37.0%	0	558	558	
38.3%	0	330	330	
39.5%	0	273	273	
40.7%	0	150	150	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,494	1,494	
23.5%	0	1,297	1,297	
24.7%	0	1,125	1,125	
25.9%	0	1,052	1,052	
27.2%	0	1,049	1,049	
28.4%	0	1,001	1,001	
29.6%	0	945	945	
30.9%	0	910	910	
32.1%	0	903	903	
33.3%	0	830	830	
34.6%	0	821	821	
35.8%	0	800	800	
37.0%	0	789	789	
38.3%	0	694	694	
39.5%	0	647	647	
40.7%	0	622	622	
42.0%	0	616	616	
43.2%	0	526	526	
44.4%	0	525	525	
45.7%	0	523	523	
46.9%	0	476	476	
48.1%	0	357	357	
49.4%	0	198	198	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-5b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,493	1,493	
23.5%	0	1,241	1,241	
24.7%	0	1,203	1,203	
25.9%	0	1,102	1,102	
27.2%	0	955	955	
28.4%	0	878	878	
29.6%	0	573	573	
30.9%	0	540	540	
32.1%	0	538	538	
33.3%	0	538	538	
34.6%	0	538	538	
35.8%	0	538	538	
37.0%	0	538	538	
38.3%	0	538	538	
39.5%	0	538	538	
40.7%	0	538	538	
42.0%	0	538	538	
43.2%	0	538	538	
44.4%	0	538	538	
45.7%	0	538	538	
46.9%	0	538	538	
48.1%	0	538	538	
49.4%	0	538	538	
50.6%	0	538	538	
51.9%	0	538	538	
53.1%	0	538	538	
54.3%	0	538	538	
55.6%	0	538	538	
56.8%	0	538	538	
58.0%	0	538	538	
59.3%	0	538	538	
60.5%	0	538	538	
61.7%	0	538	538	
63.0%	0	538	538	
64.2%	0	533	533	
65.4%	0	500	500	
66.7%	0	500	500	
67.9%	0	494	494	
69.1%	0	486	486	
70.4%	0	471	471	
71.6%	0	467	467	
72.8%	0	320	320	
74.1%	0	317	317	
75.3%	0	220	220	
76.5%	0	179	179	
77.8%	0	178	178	
79.0%	0	150	150	
80.2%	0	150	150	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,459	1,459	
48.1%	0	1,346	1,346	
49.4%	0	1,342	1,342	
50.6%	0	1,223	1,223	
51.9%	0	1,223	1,223	
53.1%	0	1,000	1,000	
54.3%	0	982	982	
55.6%	0	981	981	
56.8%	0	876	876	
58.0%	0	773	773	
59.3%	0	700	700	
60.5%	0	603	603	
61.7%	0	598	598	
63.0%	0	548	548	
64.2%	0	523	523	
65.4%	0	519	519	
66.7%	0	519	519	
67.9%	0	519	519	
69.1%	0	519	519	
70.4%	0	519	519	
71.6%	0	519	519	
72.8%	0	519	519	
74.1%	0	519	519	
75.3%	0	519	519	
76.5%	0	519	519	
77.8%	0	519	519	
79.0%	0	519	519	
80.2%	0	519	519	
81.5%	0	519	519	
82.7%	0	519	519	
84.0%	0	519	519	
85.2%	0	519	519	
86.4%	0	500	500	
87.7%	0	359	359	
88.9%	0	334	334	
90.1%	0	308	308	
91.4%	0	145	145	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,384	1,384	
34.6%	0	1,336	1,336	
35.8%	0	1,239	1,239	
37.0%	0	1,080	1,080	
38.3%	0	1,024	1,024	
39.5%	0	994	994	
40.7%	0	956	956	
42.0%	0	928	928	
43.2%	0	916	916	
44.4%	0	844	844	
45.7%	0	819	819	
46.9%	0	708	708	
48.1%	0	678	678	
49.4%	0	648	648	
50.6%	0	627	627	
51.9%	0	523	523	
53.1%	0	523	523	
54.3%	0	523	523	
55.6%	0	517	517	
56.8%	0	517	517	
58.0%	0	517	517	
59.3%	0	517	517	
60.5%	0	517	517	
61.7%	0	517	517	
63.0%	0	517	517	
64.2%	0	517	517	
65.4%	0	517	517	
66.7%	0	517	517	
67.9%	0	517	517	
69.1%	0	517	517	
70.4%	0	517	517	
71.6%	0	517	517	
72.8%	0	517	517	
74.1%	0	517	517	
75.3%	0	517	517	
76.5%	0	504	504	
77.8%	0	133	133	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,490	1,490	
45.7%	0	1,170	1,170	
46.9%	0	1,089	1,089	
48.1%	0	1,072	1,072	
49.4%	0	1,054	1,054	
50.6%	0	1,036	1,036	
51.9%	0	991	991	
53.1%	0	971	971	
54.3%	0	931	931	
55.6%	0	879	879	
56.8%	0	814	814	
58.0%	0	813	813	
59.3%	0	812	812	
60.5%	0	810	810	
61.7%	0	800	800	
63.0%	0	624	624	
64.2%	0	590	590	
65.4%	0	589	589	
66.7%	0	540	540	
67.9%	0	540	540	
69.1%	0	533	533	
70.4%	0	533	533	
71.6%	0	533	533	
72.8%	0	533	533	
74.1%	0	533	533	
75.3%	0	533	533	
76.5%	0	533	533	
77.8%	0	533	533	
79.0%	0	533	533	
80.2%	0	498	498	
81.5%	0	301	301	
82.7%	0	277	277	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-5a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	831	843	89	0	35	71	567	605	1,030	1,562	899	1,084
Difference	831	843	89	0	35	71	567	605	1,030	1,562	899	1,084
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,237	1,330	105	0	0	9	235	165	501	1,301	658	1,555
Difference	1,237	1,330	105	0	0	9	235	165	501	1,301	658	1,555
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	841	1,239	44	0	0	0	284	252	845	2,006	973	1,334
Difference	841	1,239	44	0	0	0	284	252	845	2,006	973	1,334
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	474	463	79	0	41	0	480	701	1,112	1,804	823	607
Difference	474	463	79	0	41	0	480	701	1,112	1,804	823	607
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	815	603	126	0	0	83	943	1,103	1,529	1,585	1,441	1,076
Difference	815	603	126	0	0	83	943	1,103	1,529	1,585	1,441	1,076
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	382	197	58	0	189	343	1,109	1,054	1,520	1,370	623	386
Difference	382	197	58	0	189	343	1,109	1,054	1,520	1,370	623	386
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

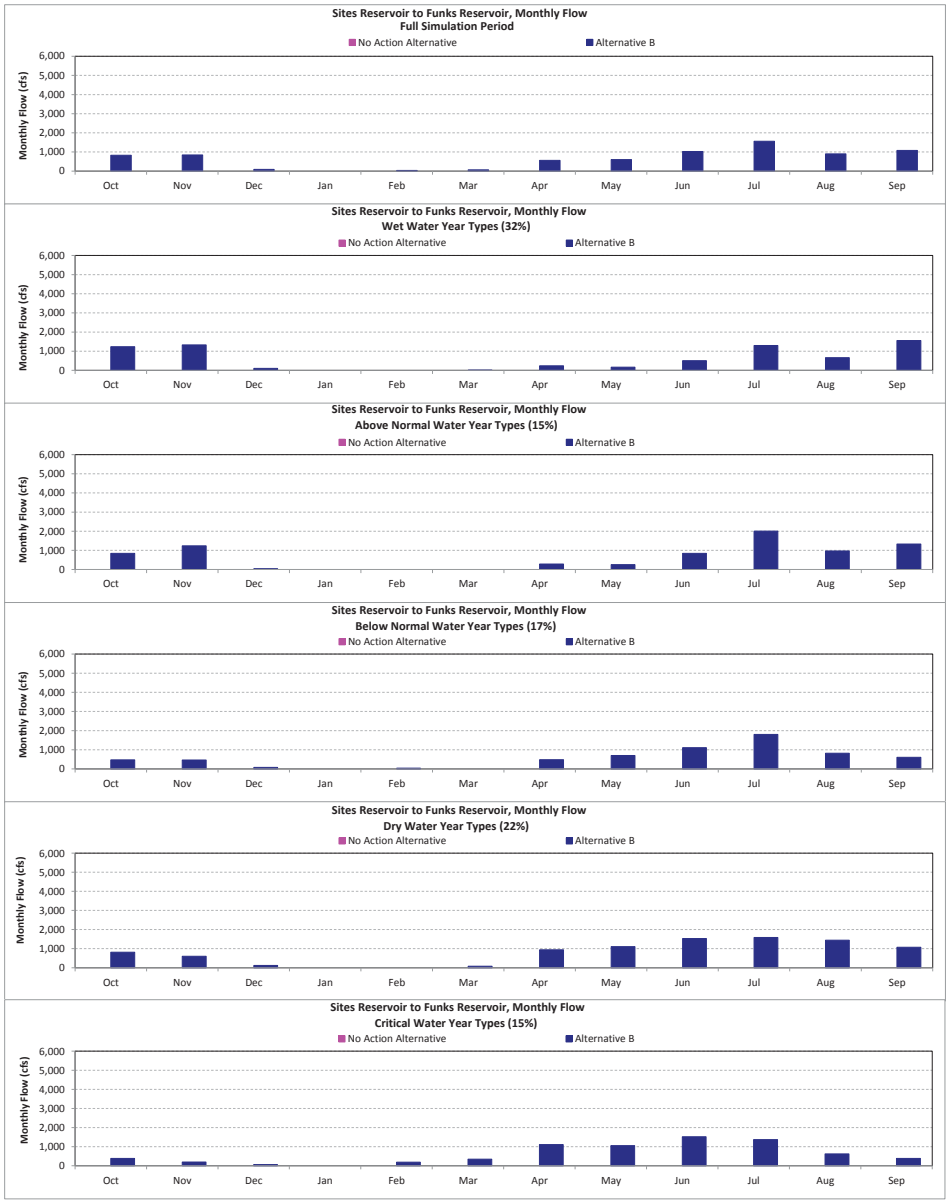

Figure OP-07-5b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

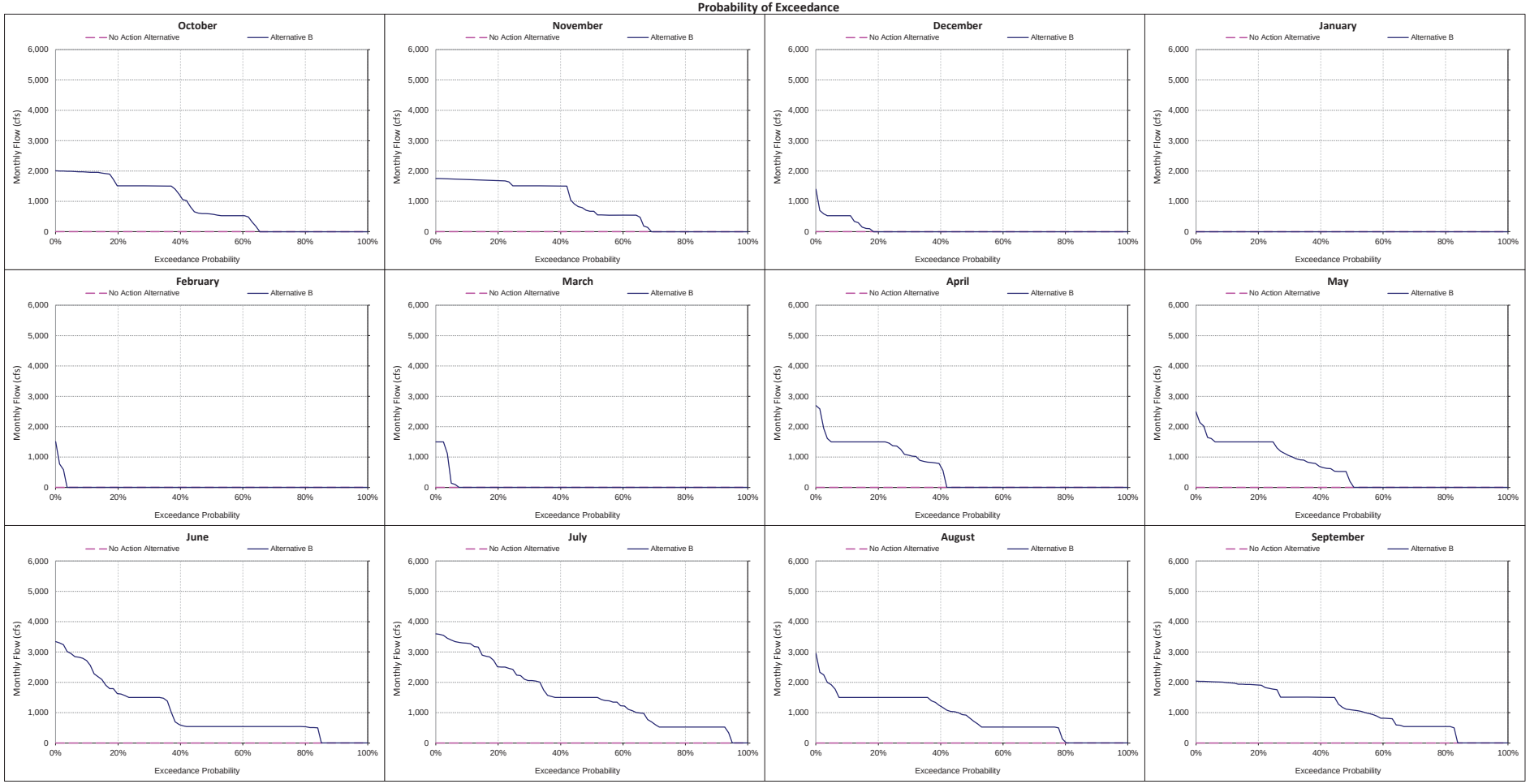

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,011	2,011	
1.2%	0	1,998	1,998	
2.5%	0	1,997	1,997	
3.7%	0	1,988	1,988	
4.9%	0	1,987	1,987	
6.2%	0	1,981	1,981	
7.4%	0	1,978	1,978	
8.6%	0	1,972	1,972	
9.9%	0	1,966	1,966	
11.1%	0	1,954	1,954	
12.3%	0	1,953	1,953	
13.6%	0	1,953	1,953	
14.8%	0	1,932	1,932	
16.0%	0	1,914	1,914	
17.3%	0	1,900	1,900	
18.5%	0	1,729	1,729	
19.8%	0	1,510	1,510	
21.0%	0	1,510	1,510	
22.2%	0	1,510	1,510	
23.5%	0	1,510	1,510	
24.7%	0	1,510	1,510	
25.9%	0	1,510	1,510	
27.2%	0	1,510	1,510	
28.4%	0	1,510	1,510	
29.6%	0	1,510	1,510	
30.9%	0	1,510	1,510	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,399	1,399	
39.5%	0	1,241	1,241	
40.7%	0	1,054	1,054	
42.0%	0	1,019	1,019	
43.2%	0	817	817	
44.4%	0	656	656	
45.7%	0	608	608	
46.9%	0	595	595	
48.1%	0	593	593	
49.4%	0	588	588	
50.6%	0	569	569	
51.9%	0	546	546	
53.1%	0	530	530	
54.3%	0	523	523	
55.6%	0	523	523	
56.8%	0	523	523	
58.0%	0	523	523	
59.3%	0	523	523	
60.5%	0	523	523	
61.7%	0	481	481	
63.0%	0	317	317	
64.2%	0	179	179	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,750	1,750	
1.2%	0	1,748	1,748	
2.5%	0	1,739	1,739	
3.7%	0	1,737	1,737	
4.9%	0	1,732	1,732	
6.2%	0	1,732	1,732	
7.4%	0	1,729	1,729	
8.6%	0	1,724	1,724	
9.9%	0	1,723	1,723	
11.1%	0	1,719	1,719	
12.3%	0	1,715	1,715	
13.6%	0	1,703	1,703	
14.8%	0	1,696	1,696	
16.0%	0	1,693	1,693	
17.3%	0	1,693	1,693	
18.5%	0	1,692	1,692	
19.8%	0	1,679	1,679	
21.0%	0	1,677	1,677	
22.2%	0	1,670	1,670	
23.5%	0	1,640	1,640	
24.7%	0	1,507	1,507	
25.9%	0	1,507	1,507	
27.2%	0	1,507	1,507	
28.4%	0	1,507	1,507	
29.6%	0	1,507	1,507	
30.9%	0	1,507	1,507	
32.1%	0	1,507	1,507	
33.3%	0	1,507	1,507	
34.6%	0	1,507	1,507	
35.8%	0	1,507	1,507	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,041	1,041	
44.4%	0	913	913	
45.7%	0	826	826	
46.9%	0	789	789	
48.1%	0	703	703	
49.4%	0	674	674	
50.6%	0	674	674	
51.9%	0	556	556	
53.1%	0	552	552	
54.3%	0	540	540	
55.6%	0	540	540	
56.8%	0	540	540	
58.0%	0	540	540	
59.3%	0	540	540	
60.5%	0	540	540	
61.7%	0	540	540	
63.0%	0	540	540	
64.2%	0	540	540	
65.4%	0	477	477	
66.7%	0	185	185	
67.9%	0	140	140	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,403	1,403	
1.2%	0	697	697	
2.5%	0	585	585	
3.7%	0	523	523	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	523	523	
8.6%	0	523	523	
9.9%	0	523	523	
11.1%	0	523	523	
12.3%	0	337	337	
13.6%	0	297	297	
14.8%	0	151	151	
16.0%	0	103	103	
17.3%	0	98	98	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,504	1,504	
1.2%	0	768	768	
2.5%	0	579	579	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,501	1,501	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,114	1,114	
4.9%	0	134	134	
6.2%	0	96	96	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,694	2,694	
1.2%	0	2,582	2,582	
2.5%	0	1,943	1,943	
3.7%	0	1,610	1,610	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,496	1,496	
23.5%	0	1,453	1,453	
24.7%	0	1,373	1,373	
25.9%	0	1,360	1,360	
27.2%	0	1,263	1,263	
28.4%	0	1,084	1,084	
29.6%	0	1,064	1,064	
30.9%	0	1,027	1,027	
32.1%	0	1,019	1,019	
33.3%	0	891	891	
34.6%	0	858	858	
35.8%	0	827	827	
37.0%	0	826	826	
38.3%	0	805	805	
39.5%	0	790	790	
40.7%	0	558	558	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,493	2,493	
1.2%	0	2,140	2,140	
2.5%	0	2,021	2,021	
3.7%	0	1,641	1,641	
4.9%	0	1,606	1,606	
6.2%	0	1,501	1,501	
7.4%	0	1,501	1,501	
8.6%	0	1,501	1,501	
9.9%	0	1,501	1,501	
11.1%	0	1,501	1,501	
12.3%	0	1,501	1,501	
13.6%	0	1,501	1,501	
14.8%	0	1,501	1,501	
16.0%	0	1,501	1,501	
17.3%	0	1,501	1,501	
18.5%	0	1,501	1,501	
19.8%	0	1,501	1,501	
21.0%	0	1,501	1,501	
22.2%	0	1,501	1,501	
23.5%	0	1,500	1,500	
24.7%	0	1,495	1,495	
25.9%	0	1,298	1,298	
27.2%	0	1,193	1,193	
28.4%	0	1,125	1,125	
29.6%	0	1,053	1,053	
30.9%	0	1,001	1,001	
32.1%	0	945	945	
33.3%	0	910	910	
34.6%	0	903	903	
35.8%	0	831	831	
37.0%	0	802	802	
38.3%	0	789	789	
39.5%	0	695	695	
40.7%	0	648	648	
42.0%	0	623	623	
43.2%	0	617	617	
44.4%	0	527	527	
45.7%	0	526	526	
46.9%	0	523	523	
48.1%	0	523	523	
49.4%	0	198	198	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-5b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,341	3,341	
1.2%	0	3,295	3,295	
2.5%	0	3,237	3,237	
3.7%	0	3,019	3,019	
4.9%	0	2,949	2,949	
6.2%	0	2,845	2,845	
7.4%	0	2,826	2,826	
8.6%	0	2,794	2,794	
9.9%	0	2,717	2,717	
11.1%	0	2,559	2,559	
12.3%	0	2,284	2,284	
13.6%	0	2,182	2,182	
14.8%	0	2,096	2,096	
16.0%	0	1,903	1,903	
17.3%	0	1,793	1,793	
18.5%	0	1,790	1,790	
19.8%	0	1,629	1,629	
21.0%	0	1,610	1,610	
22.2%	0	1,561	1,561	
23.5%	0	1,502	1,502	
24.7%	0	1,502	1,502	
25.9%	0	1,502	1,502	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,474	1,474	
35.8%	0	1,383	1,383	
37.0%	0	1,017	1,017	
38.3%	0	698	698	
39.5%	0	614	614	
40.7%	0	573	573	
42.0%	0	540	540	
43.2%	0	540	540	
44.4%	0	540	540	
45.7%	0	540	540	
46.9%	0	540	540	
48.1%	0	540	540	
49.4%	0	540	540	
50.6%	0	540	540	
51.9%	0	540	540	
53.1%	0	540	540	
54.3%	0	540	540	
55.6%	0	540	540	
56.8%	0	540	540	
58.0%	0	540	540	
59.3%	0	540	540	
60.5%	0	540	540	
61.7%	0	540	540	
63.0%	0	540	540	
64.2%	0	540	540	
65.4%	0	540	540	
66.7%	0	540	540	
67.9%	0	540	540	
69.1%	0	540	540	
70.4%	0	540	540	
71.6%	0	540	540	
72.8%	0	540	540	
74.1%	0	540	540	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	535	535	
81.5%	0	507	507	
82.7%	0	507	507	
84.0%	0	502	502	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,599	3,599	
1.2%	0	3,586	3,586	
2.5%	0	3,547	3,547	
3.7%	0	3,456	3,456	
4.9%	0	3,397	3,397	
6.2%	0	3,342	3,342	
7.4%	0	3,319	3,319	
8.6%	0	3,301	3,301	
9.9%	0	3,294	3,294	
11.1%	0	3,273	3,273	
12.3%	0	3,184	3,184	
13.6%	0	3,159	3,159	
14.8%	0	2,900	2,900	
16.0%	0	2,862	2,862	
17.3%	0	2,839	2,839	
18.5%	0	2,722	2,722	
19.8%	0	2,510	2,510	
21.0%	0	2,504	2,504	
22.2%	0	2,500	2,500	
23.5%	0	2,463	2,463	
24.7%	0	2,426	2,426	
25.9%	0	2,241	2,241	
27.2%	0	2,221	2,221	
28.4%	0	2,097	2,097	
29.6%	0	2,059	2,059	
30.9%	0	2,057	2,057	
32.1%	0	2,042	2,042	
33.3%	0	2,008	2,008	
34.6%	0	1,744	1,744	
35.8%	0	1,567	1,567	
37.0%	0	1,536	1,536	
38.3%	0	1,504	1,504	
39.5%	0	1,504	1,504	
40.7%	0	1,504	1,504	
42.0%	0	1,504	1,504	
43.2%	0	1,504	1,504	
44.4%	0	1,504	1,504	
45.7%	0	1,504	1,504	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,431	1,431	
54.3%	0	1,396	1,396	
55.6%	0	1,391	1,391	
56.8%	0	1,346	1,346	
58.0%	0	1,346	1,346	
59.3%	0	1,227	1,227	
60.5%	0	1,223	1,223	
61.7%	0	1,111	1,111	
63.0%	0	1,063	1,063	
64.2%	0	1,004	1,004	
65.4%	0	986	986	
66.7%	0	981	981	
67.9%	0	773	773	
69.1%	0	700	700	
70.4%	0	601	601	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	523	523	
81.5%	0	523	523	
82.7%	0	523	523	
84.0%	0	523	523	
85.2%	0	523	523	
86.4%	0	523	523	
87.7%	0	523	523	
88.9%	0	523	523	
90.1%	0	523	523	
91.4%	0	523	523	
92.6%	0	523	523	
93.8%	0	334	334	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,958	2,958	
1.2%	0	2,331	2,331	
2.5%	0	2,249	2,249	
3.7%	0	2,001	2,001	
4.9%	0	1,919	1,919	
6.2%	0	1,778	1,778	
7.4%	0	1,505	1,505	
8.6%	0	1,505	1,505	
9.9%	0	1,505	1,505	
11.1%	0	1,505	1,505	
12.3%	0	1,505	1,505	
13.6%	0	1,505	1,505	
14.8%	0	1,505	1,505	
16.0%	0	1,505	1,505	
17.3%	0	1,505	1,505	
18.5%	0	1,505	1,505	
19.8%	0	1,505	1,505	
21.0%	0	1,505	1,505	
22.2%	0	1,505	1,505	
23.5%	0	1,505	1,505	
24.7%	0	1,505	1,505	
25.9%	0	1,505	1,505	
27.2%	0	1,505	1,505	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,389	1,389	
38.3%	0	1,341	1,341	
39.5%	0	1,244	1,244	
40.7%	0	1,171	1,171	
42.0%	0	1,085	1,085	
43.2%	0	1,037	1,037	
44.4%	0	1,029	1,029	
45.7%	0	994	994	
46.9%	0	933	933	
48.1%	0	921	921	
49.4%	0	819	819	
50.6%	0	713	713	
51.9%	0	632	632	
53.1%	0	523	523	
54.3%	0	523	523	
55.6%	0	523	523	
56.8%	0	523	523	
58.0%	0	523	523	
59.3%	0	523	523	
60.5%	0	523	523	
61.7%	0	523	523	
63.0%	0	523	523	
64.2%	0	523	523	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	504	504	
79.0%	0	133	133	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative B Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,037	2,037	
1.2%	0	2,031	2,031	
2.5%	0	2,028	2,028	
3.7%	0	2,024	2,024	
4.9%	0	2,024	2,024	
6.2%	0	2,012	2,012	
7.4%	0	2,008	2,008	
8.6%	0	2,008	2,008	
9.9%	0	1,986	1,986	
11.1%	0	1,980	1,980	
12.3%	0	1,971	1,971	
13.6%	0	1,941	1,941	
14.8%	0	1,937	1,937	
16.0%	0	1,932	1,932	
17.3%	0	1,930	1,930	
18.5%	0	1,920	1,920	
19.8%	0	1,917	1,917	
21.0%	0	1,901	1,901	
22.2%	0	1,826	1,826	
23.5%	0	1,802	1,802	
24.7%	0	1,772	1,772	
25.9%	0	1,760	1,760	
27.2%	0	1,507	1,507	
28.4%	0	1,507	1,507	
29.6%	0	1,507	1,507	
30.9%	0	1,507	1,507	
32.1%	0	1,507	1,507	
33.3%	0	1,507	1,507	
34.6%	0	1,507	1,507	
35.8%	0	1,507	1,507	
37.0%	0	1,507	1,507	
38.3%	0	1,507	1,507	
39.5%	0	1,507	1,507	
40.7%	0	1,507	1,507	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,498	1,498	
45.7%	0	1,278	1,278	
46.9%	0	1,177	1,177	
48.1%	0	1,115	1,115	
49.4%	0	1,096	1,096	
50.6%	0	1,079	1,079	
51.9%	0	1,061	1,061	
53.1%	0	1,043	1,043	
54.3%	0	999	999	
55.6%	0	971	971	
56.8%	0	938	938	
58.0%	0	887	887	
59.3%	0	820	820	
60.5%	0	814	814	
61.7%	0	810	810	
63.0%	0	800	800	
64.2%	0	598	598	
65.4%	0	589	589	
66.7%	0	540	540	
67.9%	0	540	540	
69.1%	0	540	540	
70.4%	0	540	540	
71.6%	0	540	540	
72.8%	0	540	540	
74.1%	0	540	540	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	540	540	
81.5%	0	540	540	
82.7%	0	498	498	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-5a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

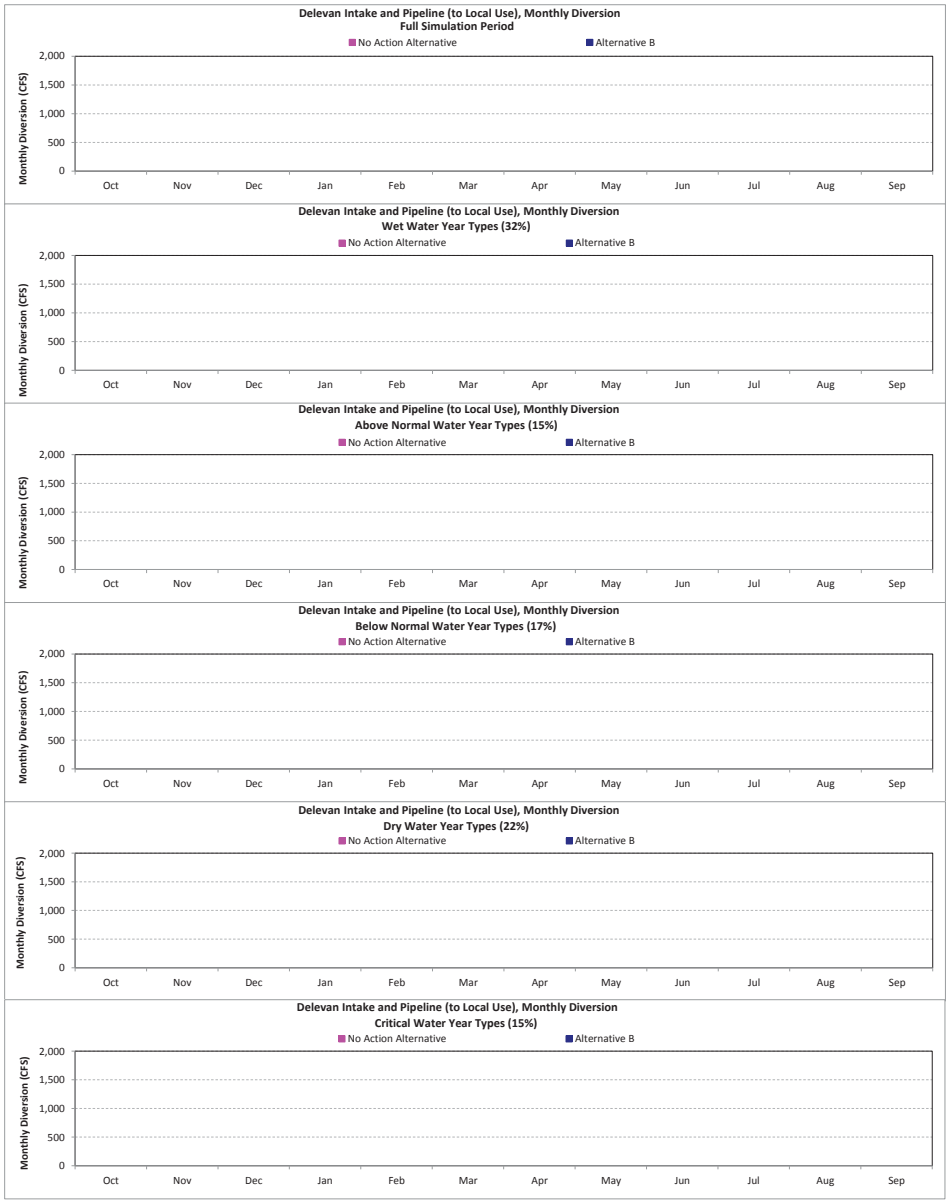

Figure OP-08-5b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

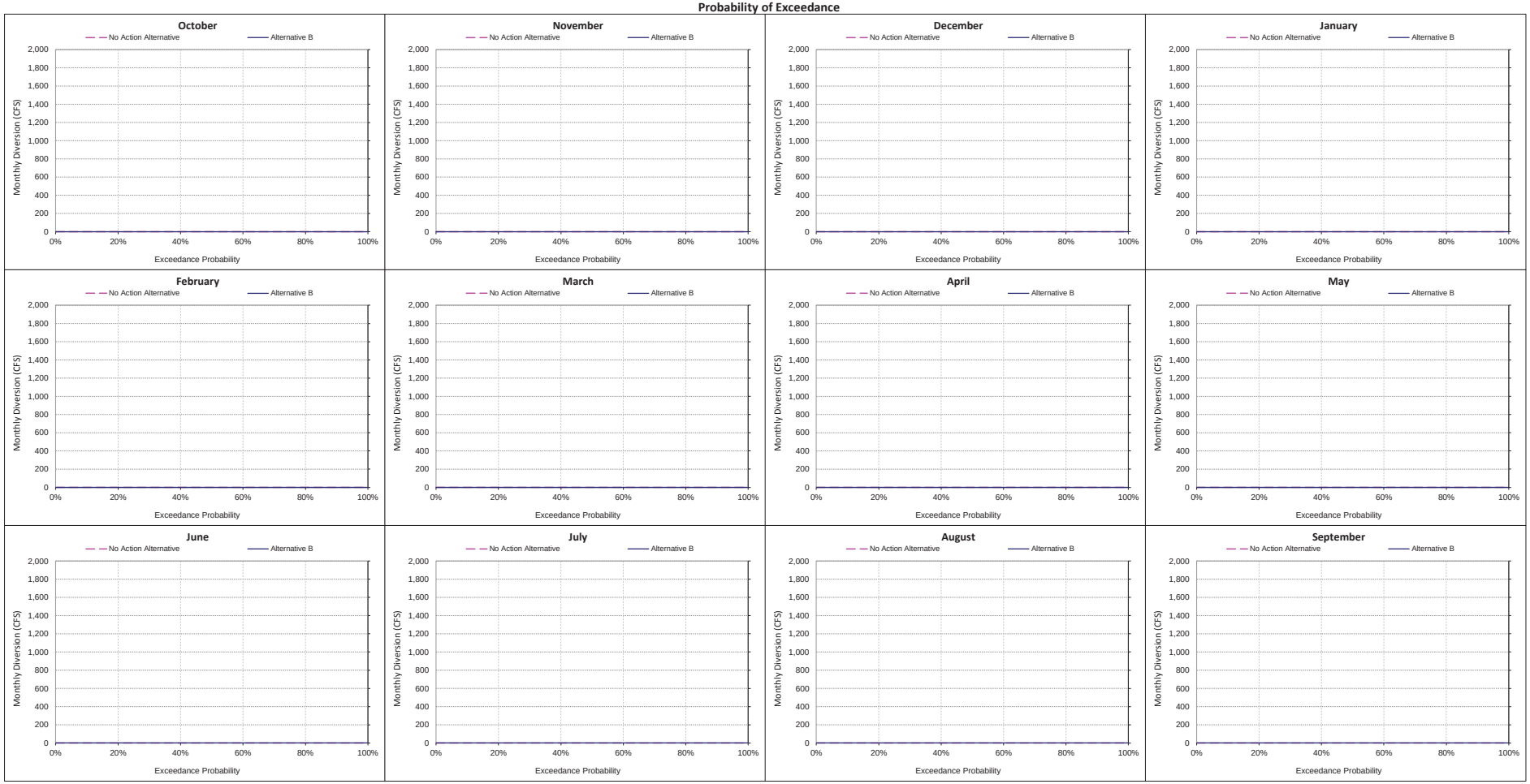

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-5b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-09-5a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	902	862	924	1,013	1,106	1,237	1,253	1,235	1,171	1,068	1,014	947
Difference	902	862	924	1,013	1,106	1,237	1,253	1,235	1,171	1,068	1,014	947
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,360	1,293	1,371	1,334	1,439	1,583	1,647	1,673	1,637	1,551	1,524	1,431
Difference	1,360	1,293	1,371	1,334	1,439	1,583	1,647	1,673	1,637	1,551	1,524	1,431
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	1,090	1,034	1,132	1,012	1,146	1,349	1,407	1,443	1,395	1,263	1,197	1,113
Difference	1,090	1,034	1,132	1,012	1,146	1,349	1,407	1,443	1,395	1,263	1,197	1,113
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	854	834	889	940	1,029	1,178	1,198	1,164	1,100	982	925	884
Difference	854	834	889	940	1,029	1,178	1,198	1,164	1,100	982	925	884
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	594	569	602	908	993	1,108	1,077	1,004	908	804	711	644
Difference	594	569	602	908	993	1,108	1,077	1,004	908	804	711	644
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	239	230	270	564	603	641	574	507	413	325	285	262
Difference	239	230	270	564	603	641	574	507	413	325	285	262
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

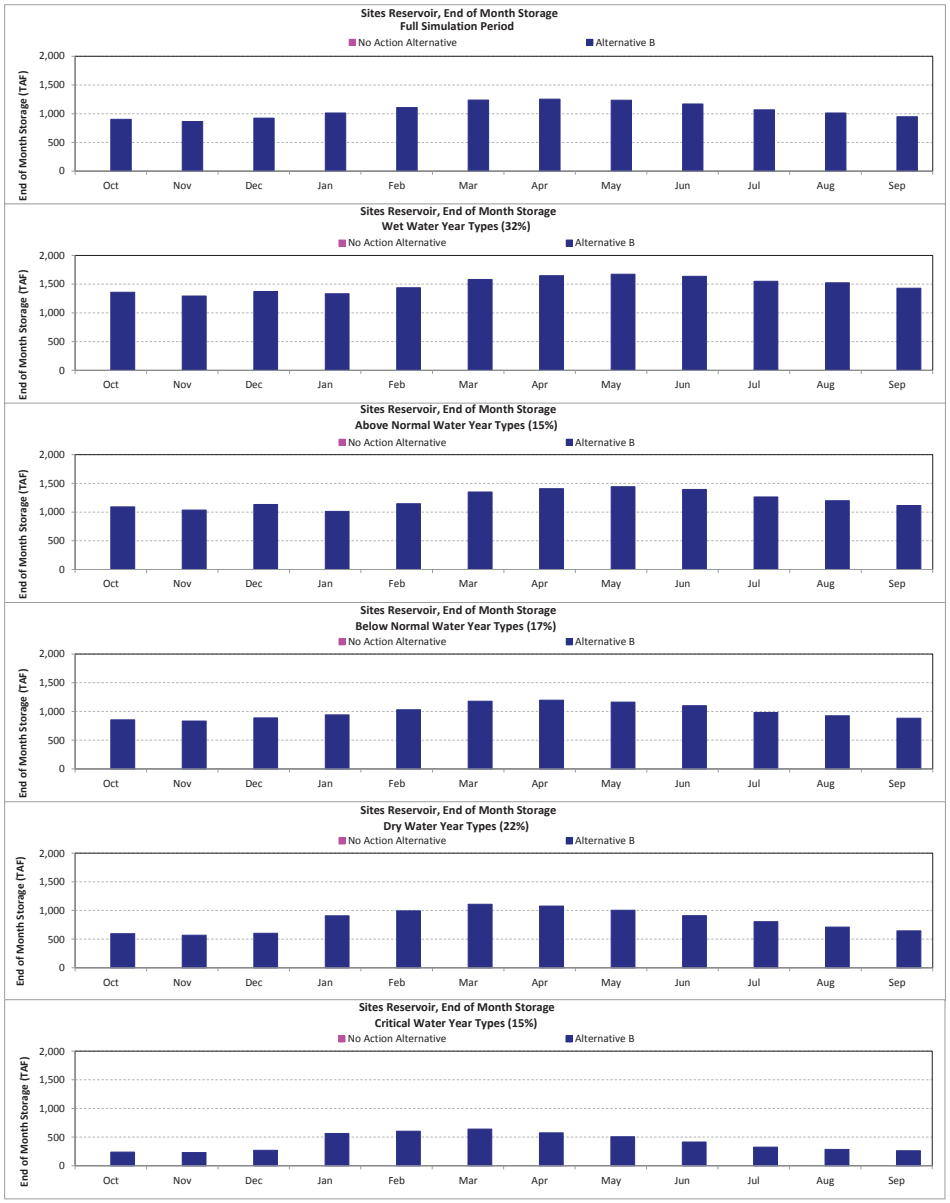

Figure OP-09-5b
Sites Reservoir, End of Month Storage
Probability of Exceedance

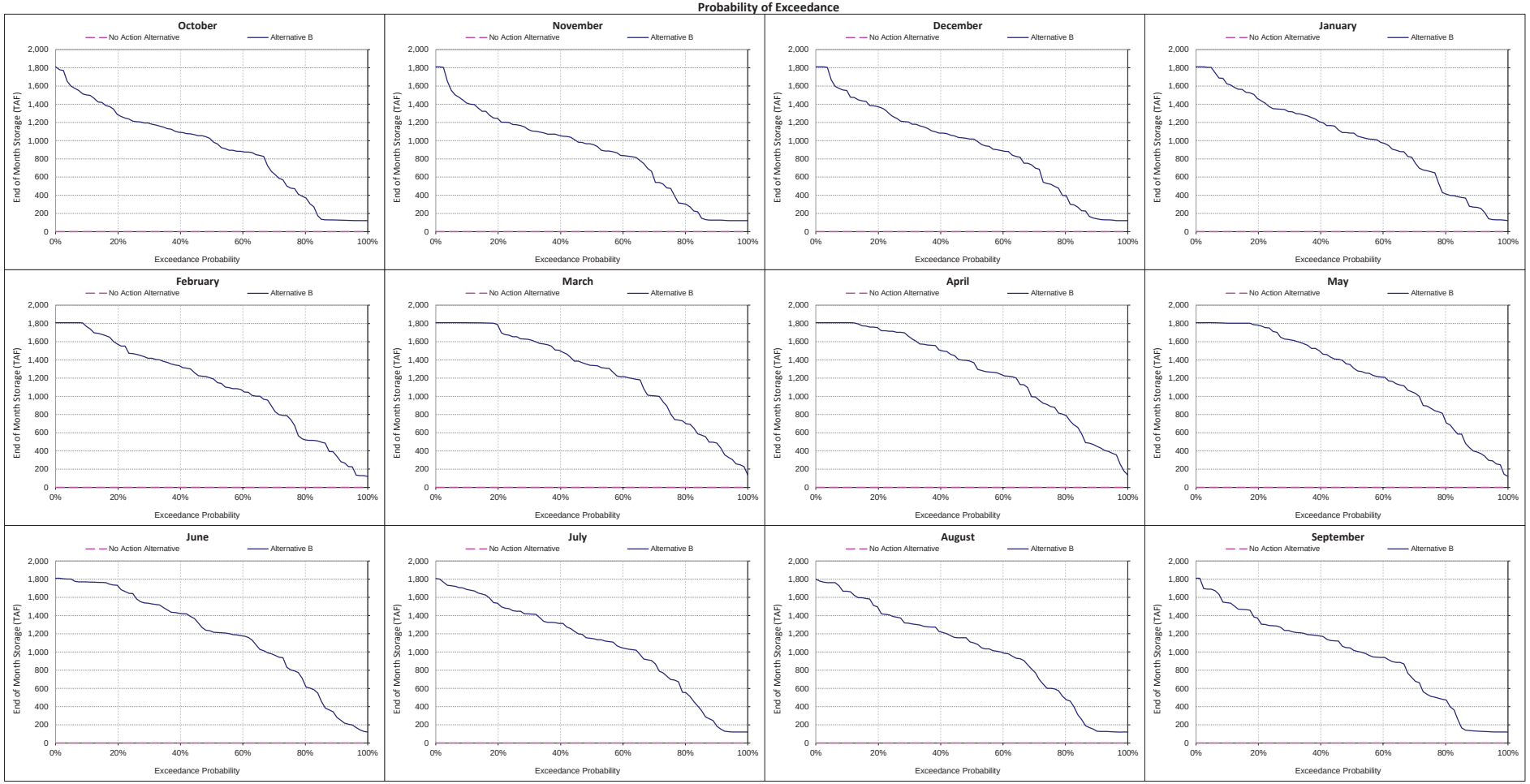

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,779	1,779	
2.5%	0	1,772	1,772	
3.7%	0	1,654	1,654	
4.9%	0	1,601	1,601	
6.2%	0	1,574	1,574	
7.4%	0	1,550	1,550	
8.6%	0	1,513	1,513	
9.9%	0	1,501	1,501	
11.1%	0	1,497	1,497	
12.3%	0	1,465	1,465	
13.6%	0	1,425	1,425	
14.8%	0	1,421	1,421	
16.0%	0	1,387	1,387	
17.3%	0	1,375	1,375	
18.5%	0	1,348	1,348	
19.8%	0	1,290	1,290	
21.0%	0	1,265	1,265	
22.2%	0	1,249	1,249	
23.5%	0	1,237	1,237	
24.7%	0	1,214	1,214	
25.9%	0	1,210	1,210	
27.2%	0	1,205	1,205	
28.4%	0	1,193	1,193	
29.6%	0	1,193	1,193	
30.9%	0	1,180	1,180	
32.1%	0	1,172	1,172	
33.3%	0	1,159	1,159	
34.6%	0	1,149	1,149	
35.8%	0	1,133	1,133	
37.0%	0	1,126	1,126	
38.3%	0	1,103	1,103	
39.5%	0	1,091	1,091	
40.7%	0	1,088	1,088	
42.0%	0	1,077	1,077	
43.2%	0	1,075	1,075	
44.4%	0	1,066	1,066	
45.7%	0	1,055	1,055	
46.9%	0	1,054	1,054	
48.1%	0	1,044	1,044	
49.4%	0	1,027	1,027	
50.6%	0	982	982	
51.9%	0	964	964	
53.1%	0	924	924	
54.3%	0	912	912	
55.6%	0	896	896	
56.8%	0	894	894	
58.0%	0	885	885	
59.3%	0	884	884	
60.5%	0	876	876	
61.7%	0	875	875	
63.0%	0	869	869	
64.2%	0	846	846	
65.4%	0	836	836	
66.7%	0	826	826	
67.9%	0	724	724	
69.1%	0	661	661	
70.4%	0	627	627	
71.6%	0	585	585	
72.8%	0	570	570	
74.1%	0	501	501	
75.3%	0	479	479	
76.5%	0	471	471	
77.8%	0	413	413	
79.0%	0	389	389	
80.2%	0	371	371	
81.5%	0	306	306	
82.7%	0	272	272	
84.0%	0	174	174	
85.2%	0	135	135	
86.4%	0	131	131	
87.7%	0	131	131	
88.9%	0	126	126	
90.1%	0	126	126	
91.4%	0	126	126	
92.6%	0	126	126	
93.8%	0	123	123	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,805	1,805	
3.7%	0	1,654	1,654	
4.9%	0	1,553	1,553	
6.2%	0	1,501	1,501	
7.4%	0	1,476	1,476	
8.6%	0	1,449	1,449	
9.9%	0	1,413	1,413	
11.1%	0	1,401	1,401	
12.3%	0	1,397	1,397	
13.6%	0	1,357	1,357	
14.8%	0	1,324	1,324	
16.0%	0	1,324	1,324	
17.3%	0	1,277	1,277	
18.5%	0	1,249	1,249	
19.8%	0	1,245	1,245	
21.0%	0	1,203	1,203	
22.2%	0	1,202	1,202	
23.5%	0	1,199	1,199	
24.7%	0	1,176	1,176	
25.9%	0	1,175	1,175	
27.2%	0	1,167	1,167	
28.4%	0	1,150	1,150	
29.6%	0	1,123	1,123	
30.9%	0	1,106	1,106	
32.1%	0	1,103	1,103	
33.3%	0	1,093	1,093	
34.6%	0	1,085	1,085	
35.8%	0	1,073	1,073	
37.0%	0	1,072	1,072	
38.3%	0	1,072	1,072	
39.5%	0	1,058	1,058	
40.7%	0	1,049	1,049	
42.0%	0	1,047	1,047	
43.2%	0	1,039	1,039	
44.4%	0	1,013	1,013	
45.7%	0	984	984	
46.9%	0	980	980	
48.1%	0	966	966	
49.4%	0	965	965	
50.6%	0	954	954	
51.9%	0	934	934	
53.1%	0	896	896	
54.3%	0	887	887	
55.6%	0	887	887	
56.8%	0	877	877	
58.0%	0	866	866	
59.3%	0	836	836	
60.5%	0	836	836	
61.7%	0	828	828	
63.0%	0	824	824	
64.2%	0	815	815	
65.4%	0	782	782	
66.7%	0	749	749	
67.9%	0	694	694	
69.1%	0	663	663	
70.4%	0	542	542	
71.6%	0	540	540	
72.8%	0	525	525	
74.1%	0	482	482	
75.3%	0	475	475	
76.5%	0	392	392	
77.8%	0	314	314	
79.0%	0	310	310	
80.2%	0	301	301	
81.5%	0	273	273	
82.7%	0	226	226	
84.0%	0	218	218	
85.2%	0	148	148	
86.4%	0	132	132	
87.7%	0	127	127	
88.9%	0	127	127	
90.1%	0	127	127	
91.4%	0	127	127	
92.6%	0	124	124	
93.8%	0	121	121	
95.1%	0	121	121	
96.3%	0	121	121	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,806	1,806	
4.9%	0	1,669	1,669	
6.2%	0	1,597	1,597	
7.4%	0	1,574	1,574	
8.6%	0	1,557	1,557	
9.9%	0	1,552	1,552	
11.1%	0	1,477	1,477	
12.3%	0	1,474	1,474	
13.6%	0	1,449	1,449	
14.8%	0	1,436	1,436	
16.0%	0	1,431	1,431	
17.3%	0	1,385	1,385	
18.5%	0	1,382	1,382	
19.8%	0	1,374	1,374	
21.0%	0	1,360	1,360	
22.2%	0	1,336	1,336	
23.5%	0	1,297	1,297	
24.7%	0	1,266	1,266	
25.9%	0	1,245	1,245	
27.2%	0	1,214	1,214	
28.4%	0	1,207	1,207	
29.6%	0	1,205	1,205	
30.9%	0	1,181	1,181	
32.1%	0	1,179	1,179	
33.3%	0	1,162	1,162	
34.6%	0	1,150	1,150	
35.8%	0	1,134	1,134	
37.0%	0	1,108	1,108	
38.3%	0	1,098	1,098	
39.5%	0	1,084	1,084	
40.7%	0	1,083	1,083	
42.0%	0	1,078	1,078	
43.2%	0	1,060	1,060	
44.4%	0	1,051	1,051	
45.7%	0	1,034	1,034	
46.9%	0	1,031	1,031	
48.1%	0	1,027	1,027	
49.4%	0	1,018	1,018	
50.6%	0	1,017	1,017	
51.9%	0	988	988	
53.1%	0	958	958	
54.3%	0	942	942	
55.6%	0	938	938	
56.8%	0	906	906	
58.0%	0	900	900	
59.3%	0	891	891	
60.5%	0	883	883	
61.7%	0	881	881	
63.0%	0	840	840	
64.2%	0	827	827	
65.4%	0	819	819	
66.7%	0	753	753	
67.9%	0	753	753	
69.1%	0	734	734	
70.4%	0	698	698	
71.6%	0	687	687	
72.8%	0	543	543	
74.1%	0	528	528	
75.3%	0	522	522	
76.5%	0	498	498	
77.8%	0	478	478	
79.0%	0	397	397	
80.2%	0	395	395	
81.5%	0	302	302	
82.7%	0	294	294	
84.0%	0	271	271	
85.2%	0	230	230	
86.4%	0	228	228	
87.7%	0	167	167	
88.9%	0	149	149	
90.1%	0	141	141	
91.4%	0	134	134	
92.6%	0	129	129	
93.8%	0	129	129	
95.1%	0	126	126	
96.3%	0	122	122	
97.5%	0	122	122	
98.8%	0	122	122	
100.0%	0	120	120	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,806	1,806	
4.9%	0	1,805	1,805	
6.2%	0	1,745	1,745	
7.4%	0	1,688	1,688	
8.6%	0	1,686	1,686	
9.9%	0	1,625	1,625	
11.1%	0	1,610	1,610	
12.3%	0	1,585	1,585	
13.6%	0	1,567	1,567	
14.8%	0	1,563	1,563	
16.0%	0	1,530	1,530	
17.3%	0	1,526	1,526	
18.5%	0	1,507	1,507	
19.8%	0	1,462	1,462	
21.0%	0	1,437	1,437	
22.2%	0	1,412	1,412	
23.5%	0	1,374	1,374	
24.7%	0	1,350	1,350	
25.9%	0	1,348	1,348	
27.2%	0	1,346	1,346	
28.4%	0	1,343	1,343	
29.6%	0	1,320	1,320	
30.9%	0	1,317	1,317	
32.1%	0	1,297	1,297	
33.3%	0	1,293	1,293	
34.6%	0	1,282	1,282	
35.8%	0	1,272	1,272	
37.0%	0	1,255	1,255	
38.3%	0	1,239	1,239	
39.5%	0	1,209	1,209	
40.7%	0	1,197	1,197	
42.0%	0	1,166	1,166	
43.2%	0	1,165	1,165	
44.4%	0	1,161	1,161	
45.7%	0	1,116	1,116	
46.9%	0	1,090	1,090	
48.1%	0	1,089	1,089	
49.4%	0	1,084	1,084	
50.6%	0	1,083	1,083	
51.9%	0	1,048	1,048	
53.1%	0	1,039	1,039	
54.3%	0	1,027	1,027	
55.6%	0	1,018	1,018	
56.8%	0	1,014	1,014	
58.0%	0	1,009	1,009	
59.3%	0	981	981	
60.5%	0	969	969	
61.7%	0	945	945	
63.0%	0	906	906	
64.2%	0	894	894	
65.4%	0	881	881	
66.7%	0	878	878	
67.9%	0	827	827	
69.1%	0	818	818	
70.4%	0	753	753	
71.6%	0	698	698	
72.8%	0	679	679	
74.1%	0	669	669	
75.3%	0	658	658	
76.5%	0	646	646	
77.8%	0	534	534	
79.0%	0	428	428	
80.2%	0	414	414	
81.5%	0	397	397	
82.7%	0	395	395	
84.0%	0	383	383	
85.2%	0	376	376	
86.4%	0	371	371	
87.7%	0	279	279	
88.9%	0	270	270	
90.1%	0	268	268	
91.4%	0	256	256	
92.6%	0	210	210	
93.8%	0	141	141	
95.1%	0	134	134	
96.3%	0	129	129	
97.5%	0	129	129	
98.8%	0	126	126	
100.0%	0	120	120	

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,806	1,806	
9.9%	0	1,766	1,766	
11.1%	0	1,741	1,741	
12.3%	0	1,697	1,697	
13.6%	0	1,693	1,693	
14.8%	0	1,680	1,680	
16.0%	0	1,667	1,667	
17.3%	0	1,648	1,648	
18.5%	0	1,603	1,603	
19.8%	0	1,575	1,575	
21.0%	0	1,552	1,552	
22.2%	0	1,551	1,551	
23.5%	0	1,472	1,472	
24.7%	0	1,469	1,469	
25.9%	0	1,461	1,461	
27.2%	0	1,449	1,449	
28.4%	0	1,434	1,434	
29.6%	0	1,417	1,417	
30.9%	0	1,417	1,417	
32.1%	0	1,403	1,403	
33.3%	0	1,400	1,400	
34.6%	0	1,384	1,384	
35.8%	0	1,374	1,374	
37.0%	0	1,355	1,355	
38.3%	0	1,345	1,345	
39.5%	0	1,338	1,338	
40.7%	0	1,316	1,316	
42.0%	0	1,310	1,310	
43.2%	0	1,301	1,301	
44.4%	0	1,261	1,261	
45.7%	0	1,226	1,226	
46.9%	0	1,221	1,221	
48.1%	0	1,218	1,218	
49.4%	0	1,205	1,205	
50.6%	0	1,189	1,189	
51.9%	0	1,150	1,150	
53.1%	0	1,142	1,142	
54.3%	0	1,102	1,102	
55.6%	0	1,096	1,096	
56.8%	0	1,084	1,084	
58.0%	0	1,084	1,084	
59.3%	0	1,077	1,077	
60.5%	0	1,048	1,048	
61.7%	0	1,044	1,044	
63.0%	0	1,009	1,009	
64.2%	0	1,002	1,002	
65.4%	0	1,000	1,000	
66.7%	0	969	969	
67.9%	0	959	959	
69.1%	0	893	893	
70.4%	0	829	829	
71.6%	0	799	799	
72.8%	0	791	791	
74.1%	0	787	787	
75.3%	0	744	744	
76.5%	0	679	679	
77.8%	0	569	569	
79.0%	0	534	534	
80.2%	0	518	518	
81.5%	0	517	517	
82.7%	0	516	516	
84.0%	0	508	508	
85.2%	0	495	495	
86.4%	0	484	484	
87.7%	0	394	394	
88.9%	0	390	390	
90.1%	0	341	341	
91.4%	0	281	281	
92.6%	0	268	268	
93.8%	0	227	227	
95.1%	0	226	226	
96.3%	0	134	134	
97.5%	0	129	129	
98.8%	0	129	129	
100.0%	0	120	120	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,806	1,806	
16.0%	0	1,804	1,804	
17.3%	0	1,804	1,804	
18.5%	0	1,802	1,802	
19.8%	0	1,789	1,789	
21.0%	0	1,697	1,697	
22.2%	0	1,678	1,678	
23.5%	0	1,671	1,671	
24.7%	0	1,655	1,655	
25.9%	0	1,654	1,654	
27.2%	0	1,632	1,632	
28.4%	0	1,628	1,628	
29.6%	0	1,625	1,625	
30.9%	0	1,616	1,616	
32.1%	0	1,598	1,598	
33.3%	0	1,582	1,582	
34.6%	0	1,574	1,574	
35.8%	0	1,567	1,567	
37.0%	0	1,551	1,551	
38.3%	0	1,508	1,508	
39.5%	0	1,507	1,507	
40.7%	0	1,484	1,484	
42.0%	0	1,463	1,463	
43.2%	0	1,427	1,427	
44.4%	0	1,387	1,387	
45.7%	0	1,385	1,385	
46.9%	0	1,369	1,369	
48.1%	0	1,355	1,355	
49.4%	0	1,341	1,341	
50.6%	0	1,339	1,339	
51.9%	0	1,335	1,335	
53.1%	0	1,316	1,316	
54.3%	0	1,310	1,310	
55.6%	0	1,306	1,306	
56.8%	0	1,265	1,265	
58.0%	0	1,224	1,224	
59.3%	0	1,216	1,216	
60.5%	0	1,215	1,215	
61.7%	0	1,205	1,205	
63.0%	0	1,196	1,196	
64.2%	0	1,186	1,186	
65.4%	0	1,183	1,183	
66.7%	0	1,084	1,084	
67.9%	0	1,012	1,012	
69.1%	0	1,008	1,008	
70.4%	0	1,005	1,005	
71.6%	0	997	997	
72.8%	0	941	941	
74.1%	0	893	893	
75.3%	0	806	806	
76.5%	0	745	745	
77.8%	0	740	740	
79.0%	0	731	731	
80.2%	0	699	699	
81.5%	0	694	694	
82.7%	0	651	651	
84.0%	0	587	587	
85.2%	0	574	574	
86.4%	0	558	558	
87.7%	0	495	495	
88.9%	0	495	495	
90.1%	0	484	484	
91.4%	0	431	431	
92.6%	0	357	357	
93.8%	0	327	327	
95.1%	0	306	306	
96.3%	0	258	258	
97.5%	0	249	249	
98.8%	0	227	227	
100.0%	0	134	134	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,806	1,806	
13.6%	0	1,795	1,795	
14.8%	0	1,775	1,775	
16.0%	0	1,771	1,771	
17.3%	0	1,760	1,760	
18.5%	0	1,759	1,759	
19.8%	0	1,755	1,755	
21.0%	0	1,721	1,721	
22.2%	0	1,721	1,721	
23.5%	0	1,715	1,715	
24.7%	0	1,715	1,715	
25.9%	0	1,703	1,703	
27.2%	0	1,703	1,703	
28.4%	0	1,696	1,696	
29.6%	0	1,662	1,662	
30.9%	0	1,630	1,630	
32.1%	0	1,608	1,608	
33.3%	0	1,575	1,575	
34.6%	0	1,572	1,572	
35.8%	0	1,563	1,563	
37.0%	0	1,562	1,562	
38.3%	0	1,557	1,557	
39.5%	0	1,508	1,508	
40.7%	0	1,498	1,498	
42.0%	0	1,492	1,492	
43.2%	0	1,462	1,462	
44.4%	0	1,445	1,445	
45.7%	0	1,404	1,404	
46.9%	0	1,399	1,399	
48.1%	0	1,395	1,395	
49.4%	0	1,386	1,386	
50.6%	0	1,369	1,369	
51.9%	0	1,296	1,296	
53.1%	0	1,284	1,284	
54.3%	0	1,274	1,274	
55.6%	0	1,266	1,266	
56.8%	0	1,265	1,265	
58.0%	0	1,259	1,259	
59.3%	0	1,242	1,242	
60.5%	0	1,224	1,224	
61.7%	0	1,220	1,220	
63.0%	0	1,216	1,216	
64.2%	0	1,200	1,200	
65.4%	0	1,130	1,130	
66.7%	0	1,128	1,128	
67.9%	0	1,096	1,096	
69.1%	0	994	994	
70.4%	0	992	992	
71.6%	0	955	955	
72.8%	0	926	926	
74.1%	0	911	911	
75.3%	0	888	888	
76.5%	0	880	880	
77.8%	0	816	816	
79.0%	0	804	804	
80.2%	0	787	787	
81.5%	0	729	729	
82.7%	0	689	689	
84.0%	0	659	659	
85.2%	0	588	588	
86.4%	0	491	491	
87.7%	0	487	487	
88.9%	0	471	471	
90.1%	0	451	451	
91.4%	0	431	431	
92.6%	0	406	406	
93.8%	0	394	394	
95.1%	0	374	374	
96.3%	0	357	357	
97.5%	0	258	258	
98.8%	0	180	180	
100.0%	0	134	134	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,804	1,804	
9.9%	0	1,804	1,804	
11.1%	0	1,804	1,804	
12.3%	0	1,804	1,804	
13.6%	0	1,804	1,804	
14.8%	0	1,804	1,804	
16.0%	0	1,804	1,804	
17.3%	0	1,804	1,804	
18.5%	0	1,786	1,786	
19.8%	0	1,784	1,784	
21.0%	0	1,772	1,772	
22.2%	0	1,755	1,755	
23.5%	0	1,752	1,752	
24.7%	0	1,713	1,713	
25.9%	0	1,704	1,704	
27.2%	0	1,650	1,650	
28.4%	0	1,630	1,630	
29.6%	0	1,623	1,623	
30.9%	0	1,617	1,617	
32.1%	0	1,606	1,606	
33.3%	0	1,592	1,592	
34.6%	0	1,577	1,577	
35.8%	0	1,562	1,562	
37.0%	0	1,527	1,527	
38.3%	0	1,527	1,527	
39.5%	0	1,500	1,500	
40.7%	0	1,464	1,464	
42.0%	0	1,457	1,457	
43.2%	0	1,430	1,430	
44.4%	0	1,411	1,411	
45.7%	0	1,407	1,407	
46.9%	0	1,394	1,394	
48.1%	0	1,357	1,357	
49.4%	0	1,348	1,348	
50.6%	0	1,307	1,307	
51.9%	0	1,279	1,279	
53.1%	0	1,272	1,272	
54.3%	0	1,255	1,255	
55.6%	0	1,253	1,253	
56.8%	0	1,230	1,230	
58.0%	0	1,219	1,219	
59.3%	0	1,212	1,212	
60.5%	0	1,209	1,209	
61.7%	0	1,169	1,169	
63.0%	0	1,163	1,163	
64.2%	0	1,137	1,137	
65.4%	0	1,123	1,123	
66.7%	0	1,117	1,117	
67.9%	0	1,066	1,066	
69.1%	0	1,051	1,051	
70.4%	0	1,033	1,033	
71.6%	0	999	999	
72.8%	0	898	898	
74.1%	0	893	893	
75.3%	0	868	868	
76.5%	0	841	841	
77.8%	0	829	829	
79.0%	0	812	812	
80.2%	0	708	708	
81.5%	0	685	685	
82.7%	0	630	630	
84.0%	0	586	586	
85.2%	0	584	584	
86.4%	0	483	483	
87.7%	0	436	436	
88.9%	0	400	400	
90.1%	0	389	389	
91.4%	0	372	372	
92.6%	0	342	342	
93.8%	0	298	298	
95.1%	0	291	291	
96.3%	0	256	256	
97.5%	0	247	247	
98.8%	0	146	146	
100.0%	0	120	120	

Table OP-09-5b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,805	1,805	
3.7%	0	1,803	1,803	
4.9%	0	1,803	1,803	
6.2%	0	1,777	1,777	
7.4%	0	1,771	1,771	
8.6%	0	1,771	1,771	
9.9%	0	1,771	1,771	
11.1%	0	1,767	1,767	
12.3%	0	1,767	1,767	
13.6%	0	1,765	1,765	
14.8%	0	1,765	1,765	
16.0%	0	1,761	1,761	
17.3%	0	1,745	1,745	
18.5%	0	1,737	1,737	
19.8%	0	1,733	1,733	
21.0%	0	1,684	1,684	
22.2%	0	1,664	1,664	
23.5%	0	1,644	1,644	
24.7%	0	1,641	1,641	
25.9%	0	1,584	1,584	
27.2%	0	1,553	1,553	
28.4%	0	1,539	1,539	
29.6%	0	1,537	1,537	
30.9%	0	1,527	1,527	
32.1%	0	1,523	1,523	
33.3%	0	1,518	1,518	
34.6%	0	1,488	1,488	
35.8%	0	1,462	1,462	
37.0%	0	1,437	1,437	
38.3%	0	1,432	1,432	
39.5%	0	1,425	1,425	
40.7%	0	1,418	1,418	
42.0%	0	1,418	1,418	
43.2%	0	1,391	1,391	
44.4%	0	1,369	1,369	
45.7%	0	1,319	1,319	
46.9%	0	1,268	1,268	
48.1%	0	1,241	1,241	
49.4%	0	1,234	1,234	
50.6%	0	1,216	1,216	
51.9%	0	1,215	1,215	
53.1%	0	1,212	1,212	
54.3%	0	1,208	1,208	
55.6%	0	1,203	1,203	
56.8%	0	1,192	1,192	
58.0%	0	1,189	1,189	
59.3%	0	1,181	1,181	
60.5%	0	1,174	1,174	
61.7%	0	1,161	1,161	
63.0%	0	1,131	1,131	
64.2%	0	1,079	1,079	
65.4%	0	1,028	1,028	
66.7%	0	1,016	1,016	
67.9%	0	991	991	
69.1%	0	979	979	
70.4%	0	962	962	
71.6%	0	944	944	
72.8%	0	938	938	
74.1%	0	831	831	
75.3%	0	803	803	
76.5%	0	792	792	
77.8%	0	775	775	
79.0%	0	712	712	
80.2%	0	614	614	
81.5%	0	602	602	
82.7%	0	587	587	
84.0%	0	550	550	
85.2%	0	457	457	
86.4%	0	383	383	
87.7%	0	362	362	
88.9%	0	343	343	
90.1%	0	280	280	
91.4%	0	249	249	
92.6%	0	218	218	
93.8%	0	206	206	
95.1%	0	198	198	
96.3%	0	171	171	
97.5%	0	143	143	
98.8%	0	126	126	
100.0%	0	120	120	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,808	1,808	
1.2%	0	1,803	1,803	
2.5%	0	1,768	1,768	
3.7%	0	1,735	1,735	
4.9%	0	1,728	1,728	
6.2%	0	1,723	1,723	
7.4%	0	1,708	1,708	
8.6%	0	1,704	1,704	
9.9%	0	1,689	1,689	
11.1%	0	1,678	1,678	
12.3%	0	1,669	1,669	
13.6%	0	1,648	1,648	
14.8%	0	1,636	1,636	
16.0%	0	1,625	1,625	
17.3%	0	1,589	1,589	
18.5%	0	1,542	1,542	
19.8%	0	1,538	1,538	
21.0%	0	1,497	1,497	
22.2%	0	1,482	1,482	
23.5%	0	1,477	1,477	
24.7%	0	1,454	1,454	
25.9%	0	1,449	1,449	
27.2%	0	1,447	1,447	
28.4%	0	1,420	1,420	
29.6%	0	1,419	1,419	
30.9%	0	1,418	1,418	
32.1%	0	1,413	1,413	
33.3%	0	1,377	1,377	
34.6%	0	1,338	1,338	
35.8%	0	1,324	1,324	
37.0%	0	1,324	1,324	
38.3%	0	1,322	1,322	
39.5%	0	1,315	1,315	
40.7%	0	1,314	1,314	
42.0%	0	1,275	1,275	
43.2%	0	1,258	1,258	
44.4%	0	1,228	1,228	
45.7%	0	1,200	1,200	
46.9%	0	1,193	1,193	
48.1%	0	1,156	1,156	
49.4%	0	1,151	1,151	
50.6%	0	1,146	1,146	
51.9%	0	1,133	1,133	
53.1%	0	1,133	1,133	
54.3%	0	1,121	1,121	
55.6%	0	1,114	1,114	
56.8%	0	1,108	1,108	
58.0%	0	1,067	1,067	
59.3%	0	1,052	1,052	
60.5%	0	1,039	1,039	
61.7%	0	1,030	1,030	
63.0%	0	1,026	1,026	
64.2%	0	1,019	1,019	
65.4%	0	970	970	
66.7%	0	922	922	
67.9%	0	913	913	
69.1%	0	905	905	
70.4%	0	870	870	
71.6%	0	788	788	
72.8%	0	771	771	
74.1%	0	736	736	
75.3%	0	697	697	
76.5%	0	693	693	
77.8%	0	673	673	
79.0%	0	557	557	
80.2%	0	553	553	
81.5%	0	512	512	
82.7%	0	455	455	
84.0%	0	407	407	
85.2%	0	355	355	
86.4%	0	286	286	
87.7%	0	265	265	
88.9%	0	247	247	
90.1%	0	184	184	
91.4%	0	154	154	
92.6%	0	131	131	
93.8%	0	124	124	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,800	1,800	
1.2%	0	1,779	1,779	
2.5%	0	1,767	1,767	
3.7%	0	1,762	1,762	
4.9%	0	1,762	1,762	
6.2%	0	1,761	1,761	
7.4%	0	1,728	1,728	
8.6%	0	1,667	1,667	
9.9%	0	1,667	1,667	
11.1%	0	1,661	1,661	
12.3%	0	1,623	1,623	
13.6%	0	1,598	1,598	
14.8%	0	1,595	1,595	
16.0%	0	1,588	1,588	
17.3%	0	1,582	1,582	
18.5%	0	1,510	1,510	
19.8%	0	1,497	1,497	
21.0%	0	1,420	1,420	
22.2%	0	1,413	1,413	
23.5%	0	1,407	1,407	
24.7%	0	1,391	1,391	
25.9%	0	1,382	1,382	
27.2%	0	1,373	1,373	
28.4%	0	1,319	1,319	
29.6%	0	1,318	1,318	
30.9%	0	1,308	1,308	
32.1%	0	1,303	1,303	
33.3%	0	1,298	1,298	
34.6%	0	1,282	1,282	
35.8%	0	1,277	1,277	
37.0%	0	1,275	1,275	
38.3%	0	1,273	1,273	
39.5%	0	1,224	1,224	
40.7%	0	1,215	1,215	
42.0%	0	1,201	1,201	
43.2%	0	1,178	1,178	
44.4%	0	1,161	1,161	
45.7%	0	1,158	1,158	
46.9%	0	1,157	1,157	
48.1%	0	1,156	1,156	
49.4%	0	1,112	1,112	
50.6%	0	1,100	1,100	
51.9%	0	1,082	1,082	
53.1%	0	1,047	1,047	
54.3%	0	1,034	1,034	
55.6%	0	1,033	1,033	
56.8%	0	1,015	1,015	
58.0%	0	1,008	1,008	
59.3%	0	1,000	1,000	
60.5%	0	987	987	
61.7%	0	980	980	
63.0%	0	953	953	
64.2%	0	931	931	
65.4%	0	925	925	
66.7%	0	906	906	
67.9%	0	859	859	
69.1%	0	814	814	
70.4%	0	772	772	
71.6%	0	698	698	
72.8%	0	647	647	
74.1%	0	601	601	
75.3%	0	599	599	
76.5%	0	595	595	
77.8%	0	575	575	
79.0%	0	516	516	
80.2%	0	475	475	
81.5%	0	460	460	
82.7%	0	400	400	
84.0%	0	311	311	
85.2%	0	259	259	
86.4%	0	190	190	
87.7%	0	170	170	
88.9%	0	151	151	
90.1%	0	129	129	
91.4%	0	125	125	
92.6%	0	125	125	
93.8%	0	125	125	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,698	1,698	
3.7%	0	1,690	1,690	
4.9%	0	1,690	1,690	
6.2%	0	1,674	1,674	
7.4%	0	1,635	1,635	
8.6%	0	1,547	1,547	
9.9%	0	1,543	1,543	
11.1%	0	1,536	1,536	
12.3%	0	1,504	1,504	
13.6%	0	1,472	1,472	
14.8%	0	1,469	1,469	
16.0%	0	1,464	1,464	
17.3%	0	1,459	1,459	
18.5%	0	1,384	1,384	
19.8%	0	1,373	1,373	
21.0%	0	1,304	1,304	
22.2%	0	1,302	1,302	
23.5%	0	1,292	1,292	
24.7%	0	1,287	1,287	
25.9%	0	1,284	1,284	
27.2%	0	1,272	1,272	
28.4%	0	1,238	1,238	
29.6%	0	1,238	1,238	
30.9%	0	1,223	1,223	
32.1%	0	1,215	1,215	
33.3%	0	1,210	1,210	
34.6%	0	1,207	1,207	
35.8%	0	1,191	1,191	
37.0%	0	1,188	1,188	
38.3%	0	1,183	1,183	
39.5%	0	1,178	1,178	
40.7%	0	1,171	1,171	
42.0%	0	1,140	1,140	
43.2%	0	1,124	1,124	
44.4%	0	1,121	1,121	
45.7%	0	1,121	1,121	
46.9%	0	1,062	1,062	
48.1%	0	1,048	1,048	
49.4%	0	1,045	1,045	
50.6%	0	1,018	1,018	
51.9%	0	1,006	1,006	
53.1%	0	997	997	
54.3%	0	983	983	
55.6%	0	963	963	
56.8%	0	947	947	
58.0%	0	944	944	
59.3%	0	941	941	
60.5%	0	940	940	
61.7%	0	914	914	
63.0%	0	895	895	
64.2%	0	886	886	
65.4%	0	885	885	
66.7%	0	869	869	
67.9%	0	765	765	
69.1%	0	721	721	
70.4%	0	678	678	
71.6%	0	662	662	
72.8%	0	564	564	
74.1%	0	535	535	
75.3%	0	512	512	
76.5%	0	502	502	
77.8%	0	492	492	
79.0%	0	482	482	
80.2%	0	472	472	
81.5%	0	399	399	
82.7%	0	365	365	
84.0%	0	261	261	
85.2%	0	168	168	
86.4%	0	140	140	
87.7%	0	136	136	
88.9%	0	131	131	
90.1%	0	131	131	
91.4%	0	126	126	
92.6%	0	126	126	
93.8%	0	124	124	
95.1%	0	120	120	
96.3%	0	120	120	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

Table OP-10-5a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	439	435	442	451	460	472	473	471	465	455	450	444
Difference	439	435	442	451	460	472	473	471	465	455	450	444
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	486	480	487	482	491	503	508	510	507	501	499	492
Difference	486	480	487	482	491	503	508	510	507	501	499	492
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	463	458	466	453	465	483	489	492	488	478	472	465
Difference	463	458	466	453	465	483	489	492	488	478	472	465
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	440	437	442	445	453	468	471	468	463	452	447	443
Difference	440	437	442	445	453	468	471	468	463	452	447	443
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	409	406	410	441	450	461	460	453	443	432	422	414
Difference	409	406	410	441	450	461	460	453	443	432	422	414
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	360	359	367	402	407	414	407	399	386	373	366	363
Difference	360	359	367	402	407	414	407	399	386	373	366	363
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-10-5b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

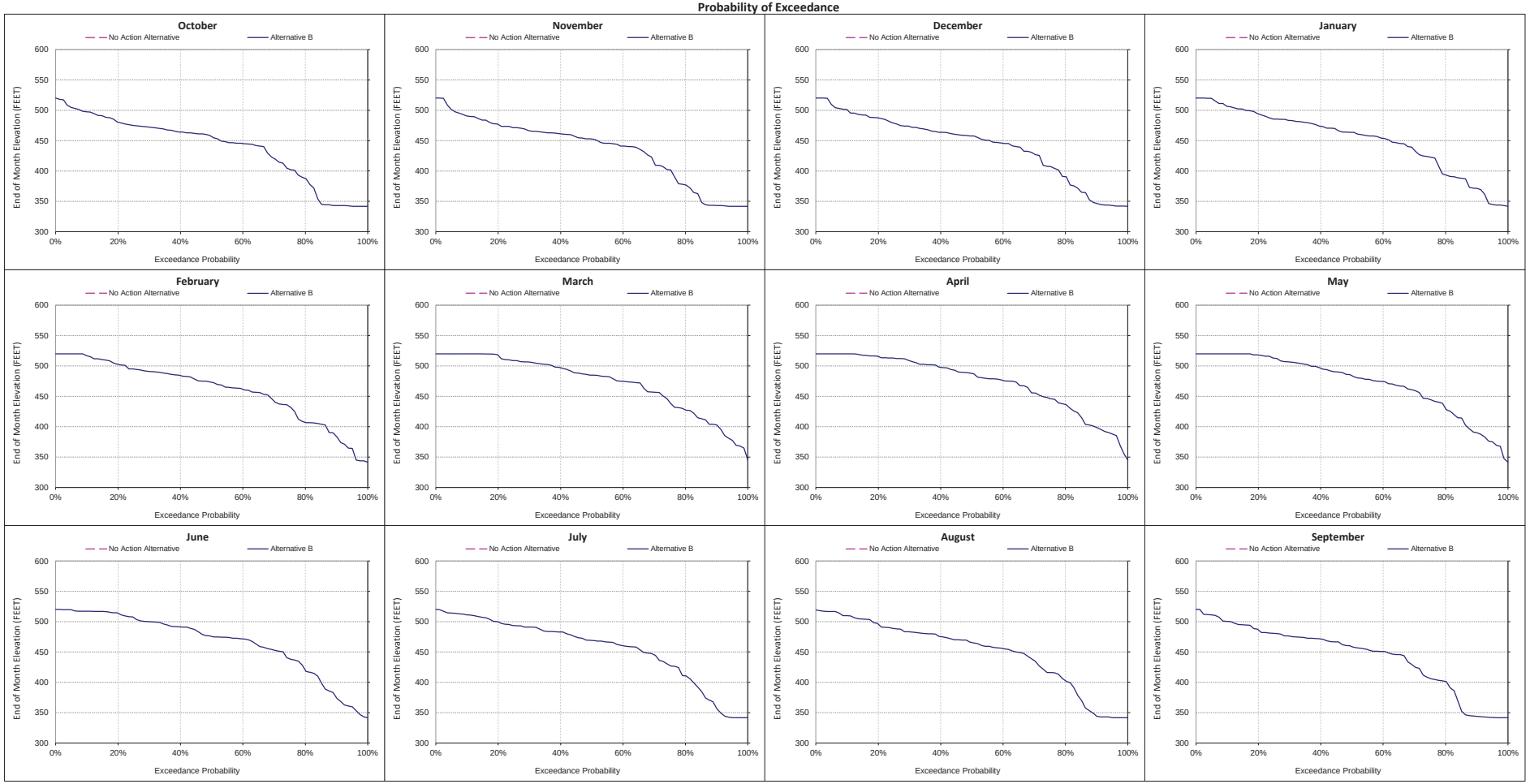

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	518	518	
2.5%	0	517	517	
3.7%	0	509	509	
4.9%	0	505	505	
6.2%	0	503	503	
7.4%	0	501	501	
8.6%	0	498	498	
9.9%	0	497	497	
11.1%	0	497	497	
12.3%	0	495	495	
13.6%	0	492	492	
14.8%	0	491	491	
16.0%	0	489	489	
17.3%	0	488	488	
18.5%	0	486	486	
19.8%	0	481	481	
21.0%	0	479	479	
22.2%	0	478	478	
23.5%	0	477	477	
24.7%	0	475	475	
25.9%	0	474	474	
27.2%	0	474	474	
28.4%	0	473	473	
29.6%	0	473	473	
30.9%	0	472	472	
32.1%	0	471	471	
33.3%	0	470	470	
34.6%	0	469	469	
35.8%	0	468	468	
37.0%	0	467	467	
38.3%	0	465	465	
39.5%	0	464	464	
40.7%	0	464	464	
42.0%	0	463	463	
43.2%	0	463	463	
44.4%	0	462	462	
45.7%	0	461	461	
46.9%	0	461	461	
48.1%	0	460	460	
49.4%	0	459	459	
50.6%	0	455	455	
51.9%	0	453	453	
53.1%	0	449	449	
54.3%	0	448	448	
55.6%	0	447	447	
56.8%	0	446	446	
58.0%	0	446	446	
59.3%	0	446	446	
60.5%	0	445	445	
61.7%	0	445	445	
63.0%	0	444	444	
64.2%	0	442	442	
65.4%	0	441	441	
66.7%	0	440	440	
67.9%	0	430	430	
69.1%	0	423	423	
70.4%	0	420	420	
71.6%	0	415	415	
72.8%	0	413	413	
74.1%	0	405	405	
75.3%	0	402	402	
76.5%	0	401	401	
77.8%	0	393	393	
79.0%	0	390	390	
80.2%	0	387	387	
81.5%	0	378	378	
82.7%	0	372	372	
84.0%	0	354	354	
85.2%	0	345	345	
86.4%	0	344	344	
87.7%	0	344	344	
88.9%	0	343	343	
90.1%	0	343	343	
91.4%	0	343	343	
92.6%	0	343	343	
93.8%	0	342	342	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	509	509	
4.9%	0	501	501	
6.2%	0	497	497	
7.4%	0	495	495	
8.6%	0	493	493	
9.9%	0	491	491	
11.1%	0	490	490	
12.3%	0	489	489	
13.6%	0	486	486	
14.8%	0	484	484	
16.0%	0	484	484	
17.3%	0	480	480	
18.5%	0	478	478	
19.8%	0	477	477	
21.0%	0	474	474	
22.2%	0	474	474	
23.5%	0	473	473	
24.7%	0	471	471	
25.9%	0	471	471	
27.2%	0	471	471	
28.4%	0	469	469	
29.6%	0	467	467	
30.9%	0	466	466	
32.1%	0	465	465	
33.3%	0	464	464	
34.6%	0	464	464	
35.8%	0	463	463	
37.0%	0	463	463	
38.3%	0	463	463	
39.5%	0	462	462	
40.7%	0	461	461	
42.0%	0	461	461	
43.2%	0	460	460	
44.4%	0	457	457	
45.7%	0	455	455	
46.9%	0	454	454	
48.1%	0	453	453	
49.4%	0	453	453	
50.6%	0	452	452	
51.9%	0	450	450	
53.1%	0	447	447	
54.3%	0	446	446	
55.6%	0	446	446	
56.8%	0	445	445	
58.0%	0	444	444	
59.3%	0	441	441	
60.5%	0	441	441	
61.7%	0	440	440	
63.0%	0	440	440	
64.2%	0	439	439	
65.4%	0	436	436	
66.7%	0	432	432	
67.9%	0	426	426	
69.1%	0	423	423	
70.4%	0	409	409	
71.6%	0	409	409	
72.8%	0	407	407	
74.1%	0	402	402	
75.3%	0	401	401	
76.5%	0	390	390	
77.8%	0	379	379	
79.0%	0	378	378	
80.2%	0	377	377	
81.5%	0	372	372	
82.7%	0	364	364	
84.0%	0	363	363	
85.2%	0	348	348	
86.4%	0	344	344	
87.7%	0	343	343	
88.9%	0	343	343	
90.1%	0	343	343	
91.4%	0	343	343	
92.6%	0	343	343	
93.8%	0	342	342	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	510	510	
6.2%	0	505	505	
7.4%	0	503	503	
8.6%	0	502	502	
9.9%	0	501	501	
11.1%	0	496	496	
12.3%	0	495	495	
13.6%	0	493	493	
14.8%	0	492	492	
16.0%	0	492	492	
17.3%	0	488	488	
18.5%	0	488	488	
19.8%	0	488	488	
21.0%	0	486	486	
22.2%	0	485	485	
23.5%	0	482	482	
24.7%	0	479	479	
25.9%	0	477	477	
27.2%	0	475	475	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	472	472	
32.1%	0	472	472	
33.3%	0	470	470	
34.6%	0	469	469	
35.8%	0	468	468	
37.0%	0	466	466	
38.3%	0	465	465	
39.5%	0	464	464	
40.7%	0	464	464	
42.0%	0	463	463	
43.2%	0	462	462	
44.4%	0	461	461	
45.7%	0	459	459	
46.9%	0	459	459	
48.1%	0	459	459	
49.4%	0	458	458	
50.6%	0	458	458	
51.9%	0	455	455	
53.1%	0	452	452	
54.3%	0	451	451	
55.6%	0	451	451	
56.8%	0	448	448	
58.0%	0	447	447	
59.3%	0	446	446	
60.5%	0	445	445	
61.7%	0	445	445	
63.0%	0	441	441	
64.2%	0	440	440	
65.4%	0	439	439	
66.7%	0	433	433	
67.9%	0	433	433	
69.1%	0	431	431	
70.4%	0	427	427	
71.6%	0	426	426	
72.8%	0	410	410	
74.1%	0	408	408	
75.3%	0	407	407	
76.5%	0	404	404	
77.8%	0	402	402	
79.0%	0	391	391	
80.2%	0	390	390	
81.5%	0	377	377	
82.7%	0	376	376	
84.0%	0	372	372	
85.2%	0	365	365	
86.4%	0	365	365	
87.7%	0	352	352	
88.9%	0	348	348	
90.1%	0	347	347	
91.4%	0	345	345	
92.6%	0	344	344	
93.8%	0	344	344	
95.1%	0	343	343	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	515	515	
7.4%	0	511	511	
8.6%	0	511	511	
9.9%	0	507	507	
11.1%	0	506	506	
12.3%	0	504	504	
13.6%	0	502	502	
14.8%	0	502	502	
16.0%	0	500	500	
17.3%	0	499	499	
18.5%	0	498	498	
19.8%	0	494	494	
21.0%	0	492	492	
22.2%	0	490	490	
23.5%	0	488	488	
24.7%	0	486	486	
25.9%	0	486	486	
27.2%	0	485	485	
28.4%	0	485	485	
29.6%	0	483	483	
30.9%	0	483	483	
32.1%	0	482	482	
33.3%	0	481	481	
34.6%	0	480	480	
35.8%	0	480	480	
37.0%	0	478	478	
38.3%	0	477	477	
39.5%	0	474	474	
40.7%	0	473	473	
42.0%	0	471	471	
43.2%	0	470	470	
44.4%	0	470	470	
45.7%	0	466	466	
46.9%	0	464	464	
48.1%	0	464	464	
49.4%	0	464	464	
50.6%	0	464	464	
51.9%	0	461	461	
53.1%	0	460	460	
54.3%	0	459	459	
55.6%	0	458	458	
56.8%	0	458	458	
58.0%	0	457	457	
59.3%	0	455	455	
60.5%	0	453	453	
61.7%	0	451	451	
63.0%	0	448	448	
64.2%	0	446	446	
65.4%	0	445	445	
66.7%	0	445	445	
67.9%	0	440	440	
69.1%	0	439	439	
70.4%	0	433	433	
71.6%	0	427	427	
72.8%	0	425	425	
74.1%	0	424	424	
75.3%	0	423	423	
76.5%	0	422	422	
77.8%	0	409	409	
79.0%	0	395	395	
80.2%	0	393	393	
81.5%	0	391	391	
82.7%	0	390	390	
84.0%	0	389	389	
85.2%	0	388	388	
86.4%	0	387	387	
87.7%	0	373	373	
88.9%	0	372	372	
90.1%	0	371	371	
91.4%	0	369	369	
92.6%	0	361	361	
93.8%	0	347	347	
95.1%	0	345	345	
96.3%	0	344	344	
97.5%	0	344	344	
98.8%	0	343	343	
100.0%	0	342	342	

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	517	517	
11.1%	0	515	515	
12.3%	0	512	512	
13.6%	0	512	512	
14.8%	0	511	511	
16.0%	0	510	510	
17.3%	0	508	508	
18.5%	0	505	505	
19.8%	0	503	503	
21.0%	0	501	501	
22.2%	0	501	501	
23.5%	0	495	495	
24.7%	0	495	495	
25.9%	0	494	494	
27.2%	0	493	493	
28.4%	0	492	492	
29.6%	0	491	491	
30.9%	0	491	491	
32.1%	0	490	490	
33.3%	0	490	490	
34.6%	0	488	488	
35.8%	0	488	488	
37.0%	0	486	486	
38.3%	0	485	485	
39.5%	0	485	485	
40.7%	0	483	483	
42.0%	0	483	483	
43.2%	0	482	482	
44.4%	0	479	479	
45.7%	0	476	476	
46.9%	0	475	475	
48.1%	0	475	475	
49.4%	0	474	474	
50.6%	0	473	473	
51.9%	0	469	469	
53.1%	0	469	469	
54.3%	0	465	465	
55.6%	0	465	465	
56.8%	0	464	464	
58.0%	0	464	464	
59.3%	0	463	463	
60.5%	0	461	461	
61.7%	0	460	460	
63.0%	0	457	457	
64.2%	0	456	456	
65.4%	0	456	456	
66.7%	0	453	453	
67.9%	0	453	453	
69.1%	0	446	446	
70.4%	0	440	440	
71.6%	0	437	437	
72.8%	0	437	437	
74.1%	0	436	436	
75.3%	0	432	432	
76.5%	0	425	425	
77.8%	0	413	413	
79.0%	0	409	409	
80.2%	0	407	407	
81.5%	0	406	406	
82.7%	0	406	406	
84.0%	0	405	405	
85.2%	0	404	404	
86.4%	0	403	403	
87.7%	0	390	390	
88.9%	0	390	390	
90.1%	0	383	383	
91.4%	0	373	373	
92.6%	0	371	371	
93.8%	0	364	364	
95.1%	0	364	364	
96.3%	0	345	345	
97.5%	0	344	344	
98.8%	0	344	344	
100.0%	0	342	342	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	519	519	
21.0%	0	512	512	
22.2%	0	511	511	
23.5%	0	510	510	
24.7%	0	509	509	
25.9%	0	509	509	
27.2%	0	507	507	
28.4%	0	507	507	
29.6%	0	507	507	
30.9%	0	506	506	
32.1%	0	505	505	
33.3%	0	504	504	
34.6%	0	503	503	
35.8%	0	502	502	
37.0%	0	501	501	
38.3%	0	498	498	
39.5%	0	498	498	
40.7%	0	496	496	
42.0%	0	494	494	
43.2%	0	492	492	
44.4%	0	489	489	
45.7%	0	488	488	
46.9%	0	487	487	
48.1%	0	486	486	
49.4%	0	485	485	
50.6%	0	485	485	
51.9%	0	485	485	
53.1%	0	483	483	
54.3%	0	483	483	
55.6%	0	482	482	
56.8%	0	479	479	
58.0%	0	476	476	
59.3%	0	475	475	
60.5%	0	475	475	
61.7%	0	474	474	
63.0%	0	473	473	
64.2%	0	472	472	
65.4%	0	472	472	
66.7%	0	464	464	
67.9%	0	457	457	
69.1%	0	457	457	
70.4%	0	457	457	
71.6%	0	456	456	
72.8%	0	451	451	
74.1%	0	446	446	
75.3%	0	438	438	
76.5%	0	432	432	
77.8%	0	431	431	
79.0%	0	430	430	
80.2%	0	427	427	
81.5%	0	427	427	
82.7%	0	422	422	
84.0%	0	415	415	
85.2%	0	413	413	
86.4%	0	411	411	
87.7%	0	404	404	
88.9%	0	404	404	
90.1%	0	403	403	
91.4%	0	396	396	
92.6%	0	385	385	
93.8%	0	381	381	
95.1%	0	377	377	
96.3%	0	370	370	
97.5%	0	368	368	
98.8%	0	364	364	
100.0%	0	345	345	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	519	519	
14.8%	0	518	518	
16.0%	0	517	517	
17.3%	0	517	517	
18.5%	0	516	516	
19.8%	0	516	516	
21.0%	0	514	514	
22.2%	0	514	514	
23.5%	0	513	513	
24.7%	0	513	513	
25.9%	0	512	512	
27.2%	0	512	512	
28.4%	0	512	512	
29.6%	0	509	509	
30.9%	0	507	507	
32.1%	0	505	505	
33.3%	0	503	503	
34.6%	0	503	503	
35.8%	0	502	502	
37.0%	0	502	502	
38.3%	0	502	502	
39.5%	0	498	498	
40.7%	0	497	497	
42.0%	0	497	497	
43.2%	0	494	494	
44.4%	0	493	493	
45.7%	0	490	490	
46.9%	0	490	490	
48.1%	0	489	489	
49.4%	0	488	488	
50.6%	0	487	487	
51.9%	0	482	482	
53.1%	0	481	481	
54.3%	0	480	480	
55.6%	0	479	479	
56.8%	0	479	479	
58.0%	0	479	479	
59.3%	0	477	477	
60.5%	0	476	476	
61.7%	0	475	475	
63.0%	0	475	475	
64.2%	0	474	474	
65.4%	0	468	468	
66.7%	0	467	467	
67.9%	0	465	465	
69.1%	0	456	456	
70.4%	0	456	456	
71.6%	0	452	452	
72.8%	0	449	449	
74.1%	0	448	448	
75.3%	0	446	446	
76.5%	0	445	445	
77.8%	0	439	439	
79.0%	0	438	438	
80.2%	0	436	436	
81.5%	0	430	430	
82.7%	0	426	426	
84.0%	0	423	423	
85.2%	0	415	415	
86.4%	0	403	403	
87.7%	0	403	403	
88.9%	0	401	401	
90.1%	0	398	398	
91.4%	0	396	396	
92.6%	0	392	392	
93.8%	0	390	390	
95.1%	0	388	388	
96.3%	0	385	385	
97.5%	0	370	370	
98.8%	0	355	355	
100.0%	0	345	345	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	518	518	
19.8%	0	518	518	
21.0%	0	517	517	
22.2%	0	516	516	
23.5%	0	516	516	
24.7%	0	513	513	
25.9%	0	512	512	
27.2%	0	509	509	
28.4%	0	507	507	
29.6%	0	507	507	
30.9%	0	506	506	
32.1%	0	505	505	
33.3%	0	504	504	
34.6%	0	503	503	
35.8%	0	502	502	
37.0%	0	499	499	
38.3%	0	499	499	
39.5%	0	497	497	
40.7%	0	495	495	
42.0%	0	494	494	
43.2%	0	492	492	
44.4%	0	490	490	
45.7%	0	490	490	
46.9%	0	489	489	
48.1%	0	486	486	
49.4%	0	486	486	
50.6%	0	482	482	
51.9%	0	480	480	
53.1%	0	480	480	
54.3%	0	478	478	
55.6%	0	478	478	
56.8%	0	476	476	
58.0%	0	475	475	
59.3%	0	474	474	
60.5%	0	474	474	
61.7%	0	471	471	
63.0%	0	470	470	
64.2%	0	468	468	
65.4%	0	467	467	
66.7%	0	466	466	
67.9%	0	462	462	
69.1%	0	461	461	
70.4%	0	459	459	
71.6%	0	456	456	
72.8%	0	447	447	
74.1%	0	446	446	
75.3%	0	444	444	
76.5%	0	442	442	
77.8%	0	440	440	
79.0%	0	439	439	
80.2%	0	428	428	
81.5%	0	426	426	
82.7%	0	420	420	
84.0%	0	415	415	
85.2%	0	414	414	
86.4%	0	403	403	
87.7%	0	396	396	
88.9%	0	391	391	
90.1%	0	390	390	
91.4%	0	387	387	
92.6%	0	383	383	
93.8%	0	376	376	
95.1%	0	375	375	
96.3%	0	369	369	
97.5%	0	368	368	
98.8%	0	348	348	
100.0%	0	342	342	

Table OP-10-5b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	518	518	
7.4%	0	517	517	
8.6%	0	517	517	
9.9%	0	517	517	
11.1%	0	517	517	
12.3%	0	517	517	
13.6%	0	517	517	
14.8%	0	517	517	
16.0%	0	517	517	
17.3%	0	515	515	
18.5%	0	515	515	
19.8%	0	515	515	
21.0%	0	511	511	
22.2%	0	510	510	
23.5%	0	508	508	
24.7%	0	508	508	
25.9%	0	504	504	
27.2%	0	501	501	
28.4%	0	500	500	
29.6%	0	500	500	
30.9%	0	499	499	
32.1%	0	499	499	
33.3%	0	499	499	
34.6%	0	496	496	
35.8%	0	494	494	
37.0%	0	493	493	
38.3%	0	492	492	
39.5%	0	492	492	
40.7%	0	491	491	
42.0%	0	491	491	
43.2%	0	489	489	
44.4%	0	487	487	
45.7%	0	483	483	
46.9%	0	479	479	
48.1%	0	477	477	
49.4%	0	476	476	
50.6%	0	475	475	
51.9%	0	475	475	
53.1%	0	475	475	
54.3%	0	474	474	
55.6%	0	474	474	
56.8%	0	473	473	
58.0%	0	473	473	
59.3%	0	472	472	
60.5%	0	471	471	
61.7%	0	470	470	
63.0%	0	468	468	
64.2%	0	463	463	
65.4%	0	459	459	
66.7%	0	458	458	
67.9%	0	455	455	
69.1%	0	454	454	
70.4%	0	453	453	
71.6%	0	451	451	
72.8%	0	451	451	
74.1%	0	441	441	
75.3%	0	438	438	
76.5%	0	437	437	
77.8%	0	435	435	
79.0%	0	428	428	
80.2%	0	418	418	
81.5%	0	417	417	
82.7%	0	415	415	
84.0%	0	410	410	
85.2%	0	399	399	
86.4%	0	389	389	
87.7%	0	386	386	
88.9%	0	383	383	
90.1%	0	373	373	
91.4%	0	368	368	
92.6%	0	363	363	
93.8%	0	361	361	
95.1%	0	360	360	
96.3%	0	353	353	
97.5%	0	347	347	
98.8%	0	343	343	
100.0%	0	342	342	

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	517	517	
3.7%	0	515	515	
4.9%	0	514	514	
6.2%	0	514	514	
7.4%	0	513	513	
8.6%	0	512	512	
9.9%	0	511	511	
11.1%	0	511	511	
12.3%	0	510	510	
13.6%	0	508	508	
14.8%	0	507	507	
16.0%	0	507	507	
17.3%	0	504	504	
18.5%	0	501	501	
19.8%	0	500	500	
21.0%	0	497	497	
22.2%	0	496	496	
23.5%	0	496	496	
24.7%	0	494	494	
25.9%	0	493	493	
27.2%	0	493	493	
28.4%	0	491	491	
29.6%	0	491	491	
30.9%	0	491	491	
32.1%	0	491	491	
33.3%	0	488	488	
34.6%	0	485	485	
35.8%	0	484	484	
37.0%	0	484	484	
38.3%	0	484	484	
39.5%	0	483	483	
40.7%	0	483	483	
42.0%	0	480	480	
43.2%	0	478	478	
44.4%	0	476	476	
45.7%	0	474	474	
46.9%	0	473	473	
48.1%	0	470	470	
49.4%	0	469	469	
50.6%	0	469	469	
51.9%	0	468	468	
53.1%	0	468	468	
54.3%	0	467	467	
55.6%	0	466	466	
56.8%	0	466	466	
58.0%	0	462	462	
59.3%	0	461	461	
60.5%	0	460	460	
61.7%	0	459	459	
63.0%	0	459	459	
64.2%	0	458	458	
65.4%	0	454	454	
66.7%	0	449	449	
67.9%	0	448	448	
69.1%	0	447	447	
70.4%	0	444	444	
71.6%	0	436	436	
72.8%	0	434	434	
74.1%	0	431	431	
75.3%	0	427	427	
76.5%	0	426	426	
77.8%	0	424	424	
79.0%	0	411	411	
80.2%	0	411	411	
81.5%	0	406	406	
82.7%	0	399	399	
84.0%	0	392	392	
85.2%	0	385	385	
86.4%	0	374	374	
87.7%	0	371	371	
88.9%	0	368	368	
90.1%	0	356	356	
91.4%	0	349	349	
92.6%	0	344	344	
93.8%	0	343	343	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	519	519	
1.2%	0	518	518	
2.5%	0	517	517	
3.7%	0	517	517	
4.9%	0	517	517	
6.2%	0	517	517	
7.4%	0	514	514	
8.6%	0	510	510	
9.9%	0	510	510	
11.1%	0	509	509	
12.3%	0	507	507	
13.6%	0	505	505	
14.8%	0	505	505	
16.0%	0	504	504	
17.3%	0	504	504	
18.5%	0	498	498	
19.8%	0	497	497	
21.0%	0	491	491	
22.2%	0	491	491	
23.5%	0	490	490	
24.7%	0	489	489	
25.9%	0	488	488	
27.2%	0	488	488	
28.4%	0	483	483	
29.6%	0	483	483	
30.9%	0	482	482	
32.1%	0	482	482	
33.3%	0	482	482	
34.6%	0	480	480	
35.8%	0	480	480	
37.0%	0	480	480	
38.3%	0	480	480	
39.5%	0	476	476	
40.7%	0	475	475	
42.0%	0	474	474	
43.2%	0	472	472	
44.4%	0	470	470	
45.7%	0	470	470	
46.9%	0	470	470	
48.1%	0	470	470	
49.4%	0	466	466	
50.6%	0	465	465	
51.9%	0	463	463	
53.1%	0	461	461	
54.3%	0	459	459	
55.6%	0	459	459	
56.8%	0	458	458	
58.0%	0	457	457	
59.3%	0	456	456	
60.5%	0	455	455	
61.7%	0	454	454	
63.0%	0	452	452	
64.2%	0	450	450	
65.4%	0	449	449	
66.7%	0	448	448	
67.9%	0	443	443	
69.1%	0	439	439	
70.4%	0	435	435	
71.6%	0	427	427	
72.8%	0	422	422	
74.1%	0	416	416	
75.3%	0	416	416	
76.5%	0	416	416	
77.8%	0	413	413	
79.0%	0	406	406	
80.2%	0	402	402	
81.5%	0	400	400	
82.7%	0	391	391	
84.0%	0	378	378	
85.2%	0	370	370	
86.4%	0	358	358	
87.7%	0	353	353	
88.9%	0	349	349	
90.1%	0	344	344	
91.4%	0	343	343	
92.6%	0	343	343	
93.8%	0	343	343	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	512	512	
3.7%	0	511	511	
4.9%	0	511	511	
6.2%	0	510	510	
7.4%	0	507	507	
8.6%	0	501	501	
9.9%	0	501	501	
11.1%	0	500	500	
12.3%	0	498	498	
13.6%	0	495	495	
14.8%	0	495	495	
16.0%	0	495	495	
17.3%	0	494	494	
18.5%	0	488	488	
19.8%	0	487	487	
21.0%	0	482	482	
22.2%	0	482	482	
23.5%	0	481	481	
24.7%	0	481	481	
25.9%	0	481	481	
27.2%	0	480	480	
28.4%	0	477	477	
29.6%	0	477	477	
30.9%	0	475	475	
32.1%	0	475	475	
33.3%	0	474	474	
34.6%	0	474	474	
35.8%	0	473	473	
37.0%	0	472	472	
38.3%	0	472	472	
39.5%	0	472	472	
40.7%	0	471	471	
42.0%	0	468	468	
43.2%	0	467	467	
44.4%	0	467	467	
45.7%	0	467	467	
46.9%	0	462	462	
48.1%	0	461	461	
49.4%	0	460	460	
50.6%	0	458	458	
51.9%	0	457	457	
53.1%	0	456	456	
54.3%	0	455	455	
55.6%	0	453	453	
56.8%	0	451	451	
58.0%	0	451	451	
59.3%	0	451	451	
60.5%	0	451	451	
61.7%	0	448	448	
63.0%	0	447	447	
64.2%	0	446	446	
65.4%	0	446	446	
66.7%	0	444	444	
67.9%	0	434	434	
69.1%	0	429	429	
70.4%	0	425	425	
71.6%	0	423	423	
72.8%	0	412	412	
74.1%	0	409	409	
75.3%	0	406	406	
76.5%	0	405	405	
77.8%	0	404	404	
79.0%	0	402	402	
80.2%	0	401	401	
81.5%	0	391	391	
82.7%	0	386	386	
84.0%	0	370	370	
85.2%	0	353	353	
86.4%	0	346	346	
87.7%	0	345	345	
88.9%	0	344	344	
90.1%	0	344	344	
91.4%	0	343	343	
92.6%	0	343	343	
93.8%	0	343	343	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

Table OP-11-5a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	9,933	9,735	10,082	10,591	11,063	11,714	11,793	11,671	11,331	10,807	10,501	10,175
Difference	9,933	9,735	10,082	10,591	11,063	11,714	11,793	11,671	11,331	10,807	10,501	10,175
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	12,563	12,296	12,605	12,329	12,767	13,331	13,573	13,674	13,554	13,267	13,170	12,837
Difference	12,563	12,296	12,605	12,329	12,767	13,331	13,573	13,674	13,554	13,267	13,170	12,837
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	11,428	11,120	11,572	10,735	11,413	12,352	12,661	12,816	12,662	12,160	11,890	11,541
Difference	11,428	11,120	11,572	10,735	11,413	12,352	12,661	12,816	12,662	12,160	11,890	11,541
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	10,098	9,954	10,256	10,247	10,731	11,587	11,761	11,630	11,374	10,813	10,511	10,298
Difference	10,098	9,954	10,256	10,247	10,731	11,587	11,761	11,630	11,374	10,813	10,511	10,298
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	8,216	8,053	8,270	10,116	10,619	11,170	11,140	10,759	10,202	9,591	9,028	8,557
Difference	8,216	8,053	8,270	10,116	10,619	11,170	11,140	10,759	10,202	9,591	9,028	8,557
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative B	5,118	5,067	5,643	7,795	8,076	8,533	8,082	7,599	6,830	5,943	5,528	5,326
Difference	5,118	5,067	5,643	7,795	8,076	8,533	8,082	7,599	6,830	5,943	5,528	5,326
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

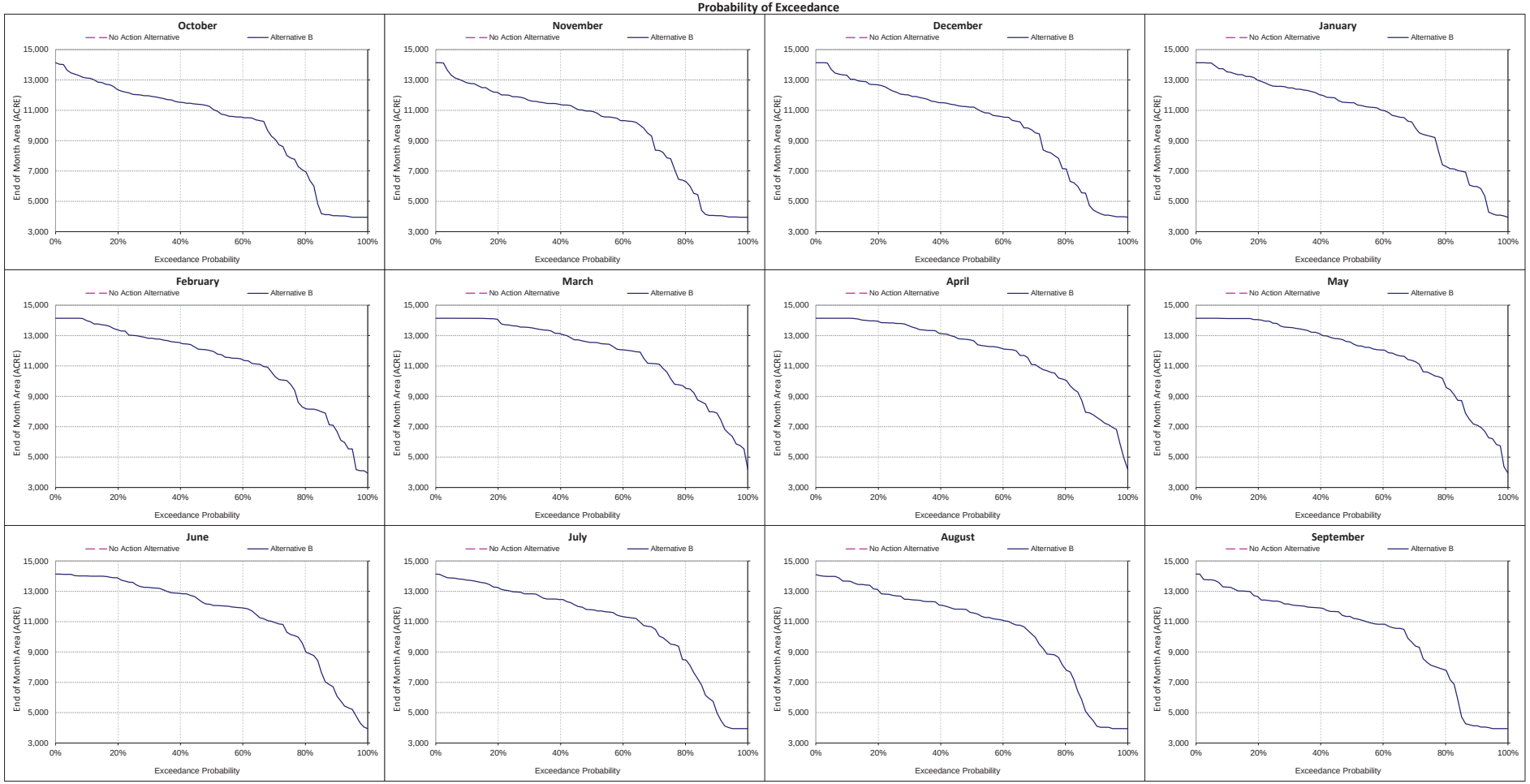

Table OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,039	14,039	
2.5%	0	14,016	14,016	
3.7%	0	13,636	13,636	
4.9%	0	13,467	13,467	
6.2%	0	13,382	13,382	
7.4%	0	13,304	13,304	
8.6%	0	13,175	13,175	
9.9%	0	13,135	13,135	
11.1%	0	13,120	13,120	
12.3%	0	13,002	13,002	
13.6%	0	12,861	12,861	
14.8%	0	12,846	12,846	
16.0%	0	12,722	12,722	
17.3%	0	12,680	12,680	
18.5%	0	12,581	12,581	
19.8%	0	12,373	12,373	
21.0%	0	12,275	12,275	
22.2%	0	12,206	12,206	
23.5%	0	12,154	12,154	
24.7%	0	12,058	12,058	
25.9%	0	12,041	12,041	
27.2%	0	12,019	12,019	
28.4%	0	11,970	11,970	
29.6%	0	11,970	11,970	
30.9%	0	11,913	11,913	
32.1%	0	11,880	11,880	
33.3%	0	11,824	11,824	
34.6%	0	11,781	11,781	
35.8%	0	11,712	11,712	
37.0%	0	11,682	11,682	
38.3%	0	11,584	11,584	
39.5%	0	11,533	11,533	
40.7%	0	11,521	11,521	
42.0%	0	11,472	11,472	
43.2%	0	11,467	11,467	
44.4%	0	11,427	11,427	
45.7%	0	11,378	11,378	
46.9%	0	11,374	11,374	
48.1%	0	11,333	11,333	
49.4%	0	11,251	11,251	
50.6%	0	11,032	11,032	
51.9%	0	10,943	10,943	
53.1%	0	10,749	10,749	
54.3%	0	10,692	10,692	
55.6%	0	10,613	10,613	
56.8%	0	10,603	10,603	
58.0%	0	10,558	10,558	
59.3%	0	10,557	10,557	
60.5%	0	10,515	10,515	
61.7%	0	10,510	10,510	
63.0%	0	10,483	10,483	
64.2%	0	10,368	10,368	
65.4%	0	10,323	10,323	
66.7%	0	10,272	10,272	
67.9%	0	9,671	9,671	
69.1%	0	9,297	9,297	
70.4%	0	9,088	9,088	
71.6%	0	8,735	8,735	
72.8%	0	8,603	8,603	
74.1%	0	8,030	8,030	
75.3%	0	7,847	7,847	
76.5%	0	7,776	7,776	
77.8%	0	7,287	7,287	
79.0%	0	7,087	7,087	
80.2%	0	6,935	6,935	
81.5%	0	6,360	6,360	
82.7%	0	6,003	6,003	
84.0%	0	4,831	4,831	
85.2%	0	4,198	4,198	
86.4%	0	4,129	4,129	
87.7%	0	4,126	4,126	
88.9%	0	4,053	4,053	
90.1%	0	4,053	4,053	
91.4%	0	4,043	4,043	
92.6%	0	4,043	4,043	
93.8%	0	4,004	4,004	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,120	14,120	
3.7%	0	13,638	13,638	
4.9%	0	13,315	13,315	
6.2%	0	13,134	13,134	
7.4%	0	13,043	13,043	
8.6%	0	12,945	12,945	
9.9%	0	12,817	12,817	
11.1%	0	12,772	12,772	
12.3%	0	12,758	12,758	
13.6%	0	12,615	12,615	
14.8%	0	12,496	12,496	
16.0%	0	12,495	12,495	
17.3%	0	12,326	12,326	
18.5%	0	12,208	12,208	
19.8%	0	12,188	12,188	
21.0%	0	12,009	12,009	
22.2%	0	12,009	12,009	
23.5%	0	11,994	11,994	
24.7%	0	11,897	11,897	
25.9%	0	11,892	11,892	
27.2%	0	11,856	11,856	
28.4%	0	11,787	11,787	
29.6%	0	11,668	11,668	
30.9%	0	11,599	11,599	
32.1%	0	11,585	11,585	
33.3%	0	11,543	11,543	
34.6%	0	11,507	11,507	
35.8%	0	11,456	11,456	
37.0%	0	11,453	11,453	
38.3%	0	11,451	11,451	
39.5%	0	11,394	11,394	
40.7%	0	11,354	11,354	
42.0%	0	11,345	11,345	
43.2%	0	11,309	11,309	
44.4%	0	11,185	11,185	
45.7%	0	11,043	11,043	
46.9%	0	11,022	11,022	
48.1%	0	10,956	10,956	
49.4%	0	10,949	10,949	
50.6%	0	10,895	10,895	
51.9%	0	10,797	10,797	
53.1%	0	10,613	10,613	
54.3%	0	10,569	10,569	
55.6%	0	10,568	10,568	
56.8%	0	10,520	10,520	
58.0%	0	10,466	10,466	
59.3%	0	10,322	10,322	
60.5%	0	10,322	10,322	
61.7%	0	10,282	10,282	
63.0%	0	10,265	10,265	
64.2%	0	10,209	10,209	
65.4%	0	10,011	10,011	
66.7%	0	9,816	9,816	
67.9%	0	9,492	9,492	
69.1%	0	9,308	9,308	
70.4%	0	8,371	8,371	
71.6%	0	8,354	8,354	
72.8%	0	8,230	8,230	
74.1%	0	7,868	7,868	
75.3%	0	7,806	7,806	
76.5%	0	7,110	7,110	
77.8%	0	6,445	6,445	
79.0%	0	6,401	6,401	
80.2%	0	6,303	6,303	
81.5%	0	6,013	6,013	
82.7%	0	5,524	5,524	
84.0%	0	5,440	5,440	
85.2%	0	4,396	4,396	
86.4%	0	4,139	4,139	
87.7%	0	4,066	4,066	
88.9%	0	4,066	4,066	
90.1%	0	4,056	4,056	
91.4%	0	4,056	4,056	
92.6%	0	4,017	4,017	
93.8%	0	3,964	3,964	
95.1%	0	3,963	3,963	
96.3%	0	3,963	3,963	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,136	14,136	
3.7%	0	14,126	14,126	
4.9%	0	13,686	13,686	
6.2%	0	13,454	13,454	
7.4%	0	13,380	13,380	
8.6%	0	13,327	13,327	
9.9%	0	13,311	13,311	
11.1%	0	13,047	13,047	
12.3%	0	13,038	13,038	
13.6%	0	12,947	12,947	
14.8%	0	12,898	12,898	
16.0%	0	12,880	12,880	
17.3%	0	12,715	12,715	
18.5%	0	12,705	12,705	
19.8%	0	12,675	12,675	
21.0%	0	12,624	12,624	
22.2%	0	12,538	12,538	
23.5%	0	12,398	12,398	
24.7%	0	12,279	12,279	
25.9%	0	12,191	12,191	
27.2%	0	12,059	12,059	
28.4%	0	12,030	12,030	
29.6%	0	12,019	12,019	
30.9%	0	11,917	11,917	
32.1%	0	11,910	11,910	
33.3%	0	11,837	11,837	
34.6%	0	11,786	11,786	
35.8%	0	11,718	11,718	
37.0%	0	11,604	11,604	
38.3%	0	11,562	11,562	
39.5%	0	11,503	11,503	
40.7%	0	11,501	11,501	
42.0%	0	11,476	11,476	
43.2%	0	11,403	11,403	
44.4%	0	11,363	11,363	
45.7%	0	11,288	11,288	
46.9%	0	11,270	11,270	
48.1%	0	11,252	11,252	
49.4%	0	11,206	11,206	
50.6%	0	11,203	11,203	
51.9%	0	11,064	11,064	
53.1%	0	10,916	10,916	
54.3%	0	10,839	10,839	
55.6%	0	10,820	10,820	
56.8%	0	10,662	10,662	
58.0%	0	10,634	10,634	
59.3%	0	10,589	10,589	
60.5%	0	10,549	10,549	
61.7%	0	10,540	10,540	
63.0%	0	10,342	10,342	
64.2%	0	10,278	10,278	
65.4%	0	10,233	10,233	
66.7%	0	9,844	9,844	
67.9%	0	9,840	9,840	
69.1%	0	9,727	9,727	
70.4%	0	9,514	9,514	
71.6%	0	9,453	9,453	
72.8%	0	8,382	8,382	
74.1%	0	8,258	8,258	
75.3%	0	8,203	8,203	
76.5%	0	8,005	8,005	
77.8%	0	7,832	7,832	
79.0%	0	7,154	7,154	
80.2%	0	7,134	7,134	
81.5%	0	6,318	6,318	
82.7%	0	6,235	6,235	
84.0%	0	5,993	5,993	
85.2%	0	5,566	5,566	
86.4%	0	5,547	5,547	
87.7%	0	4,717	4,717	
88.9%	0	4,425	4,425	
90.1%	0	4,293	4,293	
91.4%	0	4,173	4,173	
92.6%	0	4,092	4,092	
93.8%	0	4,092	4,092	
95.1%	0	4,043	4,043	
96.3%	0	3,990	3,990	
97.5%	0	3,989	3,989	
98.8%	0	3,989	3,989	
100.0%	0	3,950	3,950	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,136	14,136	
3.7%	0	14,126	14,126	
4.9%	0	14,122	14,122	
6.2%	0	13,928	13,928	
7.4%	0	13,748	13,748	
8.6%	0	13,741	13,741	
9.9%	0	13,543	13,543	
11.1%	0	13,497	13,497	
12.3%	0	13,417	13,417	
13.6%	0	13,357	13,357	
14.8%	0	13,347	13,347	
16.0%	0	13,237	13,237	
17.3%	0	13,223	13,223	
18.5%	0	13,157	13,157	
19.8%	0	12,993	12,993	
21.0%	0	12,902	12,902	
22.2%	0	12,811	12,811	
23.5%	0	12,675	12,675	
24.7%	0	12,590	12,590	
25.9%	0	12,583	12,583	
27.2%	0	12,574	12,574	
28.4%	0	12,563	12,563	
29.6%	0	12,482	12,482	
30.9%	0	12,471	12,471	
32.1%	0	12,398	12,398	
33.3%	0	12,385	12,385	
34.6%	0	12,344	12,344	
35.8%	0	12,304	12,304	
37.0%	0	12,234	12,234	
38.3%	0	12,163	12,163	
39.5%	0	12,035	12,035	
40.7%	0	11,984	11,984	
42.0%	0	11,855	11,855	
43.2%	0	11,847	11,847	
44.4%	0	11,830	11,830	
45.7%	0	11,640	11,640	
46.9%	0	11,529	11,529	
48.1%	0	11,526	11,526	
49.4%	0	11,503	11,503	
50.6%	0	11,501	11,501	
51.9%	0	11,349	11,349	
53.1%	0	11,309	11,309	
54.3%	0	11,252	11,252	
55.6%	0	11,206	11,206	
56.8%	0	11,188	11,188	
58.0%	0	11,163	11,163	
59.3%	0	11,028	11,028	
60.5%	0	10,970	10,970	
61.7%	0	10,854	10,854	
63.0%	0	10,662	10,662	
64.2%	0	10,605	10,605	
65.4%	0	10,540	10,540	
66.7%	0	10,524	10,524	
67.9%	0	10,278	10,278	
69.1%	0	10,230	10,230	
70.4%	0	9,840	9,840	
71.6%	0	9,514	9,514	
72.8%	0	9,405	9,405	
74.1%	0	9,346	9,346	
75.3%	0	9,279	9,279	
76.5%	0	9,208	9,208	
77.8%	0	8,306	8,306	
79.0%	0	7,417	7,417	
80.2%	0	7,294	7,294	
81.5%	0	7,154	7,154	
82.7%	0	7,134	7,134	
84.0%	0	7,034	7,034	
85.2%	0	6,978	6,978	
86.4%	0	6,935	6,935	
87.7%	0	6,077	6,077	
88.9%	0	5,985	5,985	
90.1%	0	5,964	5,964	
91.4%	0	5,838	5,838	
92.6%	0	5,351	5,351	
93.8%	0	4,293	4,293	
95.1%	0	4,173	4,173	
96.3%	0	4,092	4,092	
97.5%	0	4,092	4,092	
98.8%	0	4,043	4,043	
100.0%	0	3,950	3,950	

Table OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,136	14,136	
8.6%	0	14,126	14,126	
9.9%	0	13,995	13,995	
11.1%	0	13,917	13,917	
12.3%	0	13,774	13,774	
13.6%	0	13,763	13,763	
14.8%	0	13,720	13,720	
16.0%	0	13,678	13,678	
17.3%	0	13,619	13,619	
18.5%	0	13,474	13,474	
19.8%	0	13,385	13,385	
21.0%	0	13,311	13,311	
22.2%	0	13,308	13,308	
23.5%	0	13,029	13,029	
24.7%	0	13,019	13,019	
25.9%	0	12,990	12,990	
27.2%	0	12,944	12,944	
28.4%	0	12,892	12,892	
29.6%	0	12,832	12,832	
30.9%	0	12,830	12,830	
32.1%	0	12,782	12,782	
33.3%	0	12,771	12,771	
34.6%	0	12,710	12,710	
35.8%	0	12,675	12,675	
37.0%	0	12,608	12,608	
38.3%	0	12,572	12,572	
39.5%	0	12,545	12,545	
40.7%	0	12,467	12,467	
42.0%	0	12,444	12,444	
43.2%	0	12,414	12,414	
44.4%	0	12,258	12,258	
45.7%	0	12,108	12,108	
46.9%	0	12,086	12,086	
48.1%	0	12,074	12,074	
49.4%	0	12,018	12,018	
50.6%	0	11,950	11,950	
51.9%	0	11,787	11,787	
53.1%	0	11,753	11,753	
54.3%	0	11,582	11,582	
55.6%	0	11,553	11,553	
56.8%	0	11,505	11,505	
58.0%	0	11,503	11,503	
59.3%	0	11,473	11,473	
60.5%	0	11,352	11,352	
61.7%	0	11,332	11,332	
63.0%	0	11,167	11,167	
64.2%	0	11,132	11,132	
65.4%	0	11,123	11,123	
66.7%	0	10,968	10,968	
67.9%	0	10,923	10,923	
69.1%	0	10,601	10,601	
70.4%	0	10,288	10,288	
71.6%	0	10,113	10,113	
72.8%	0	10,065	10,065	
74.1%	0	10,043	10,043	
75.3%	0	9,786	9,786	
76.5%	0	9,405	9,405	
77.8%	0	8,599	8,599	
79.0%	0	8,306	8,306	
80.2%	0	8,173	8,173	
81.5%	0	8,161	8,161	
82.7%	0	8,153	8,153	
84.0%	0	8,089	8,089	
85.2%	0	7,981	7,981	
86.4%	0	7,889	7,889	
87.7%	0	7,128	7,128	
88.9%	0	7,097	7,097	
90.1%	0	6,684	6,684	
91.4%	0	6,102	6,102	
92.6%	0	5,958	5,958	
93.8%	0	5,539	5,539	
95.1%	0	5,526	5,526	
96.3%	0	4,173	4,173	
97.5%	0	4,092	4,092	
98.8%	0	4,092	4,092	
100.0%	0	3,950	3,950	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,136	14,136	
14.8%	0	14,126	14,126	
16.0%	0	14,120	14,120	
17.3%	0	14,119	14,119	
18.5%	0	14,112	14,112	
19.8%	0	14,071	14,071	
21.0%	0	13,775	13,775	
22.2%	0	13,716	13,716	
23.5%	0	13,692	13,692	
24.7%	0	13,640	13,640	
25.9%	0	13,636	13,636	
27.2%	0	13,568	13,568	
28.4%	0	13,555	13,555	
29.6%	0	13,544	13,544	
30.9%	0	13,515	13,515	
32.1%	0	13,456	13,456	
33.3%	0	13,406	13,406	
34.6%	0	13,382	13,382	
35.8%	0	13,358	13,358	
37.0%	0	13,308	13,308	
38.3%	0	13,160	13,160	
39.5%	0	13,153	13,153	
40.7%	0	13,073	13,073	
42.0%	0	12,995	12,995	
43.2%	0	12,867	12,867	
44.4%	0	12,723	12,723	
45.7%	0	12,716	12,716	
46.9%	0	12,659	12,659	
48.1%	0	12,608	12,608	
49.4%	0	12,557	12,557	
50.6%	0	12,551	12,551	
51.9%	0	12,536	12,536	
53.1%	0	12,467	12,467	
54.3%	0	12,443	12,443	
55.6%	0	12,431	12,431	
56.8%	0	12,276	12,276	
58.0%	0	12,100	12,100	
59.3%	0	12,068	12,068	
60.5%	0	12,060	12,060	
61.7%	0	12,018	12,018	
63.0%	0	11,982	11,982	
64.2%	0	11,937	11,937	
65.4%	0	11,924	11,924	
66.7%	0	11,503	11,503	
67.9%	0	11,180	11,180	
69.1%	0	11,162	11,162	
70.4%	0	11,143	11,143	
71.6%	0	11,108	11,108	
72.8%	0	10,833	10,833	
74.1%	0	10,601	10,601	
75.3%	0	10,156	10,156	
76.5%	0	9,796	9,796	
77.8%	0	9,765	9,765	
79.0%	0	9,711	9,711	
80.2%	0	9,524	9,524	
81.5%	0	9,493	9,493	
82.7%	0	9,240	9,240	
84.0%	0	8,749	8,749	
85.2%	0	8,637	8,637	
86.4%	0	8,502	8,502	
87.7%	0	7,981	7,981	
88.9%	0	7,980	7,980	
90.1%	0	7,889	7,889	
91.4%	0	7,439	7,439	
92.6%	0	6,817	6,817	
93.8%	0	6,569	6,569	
95.1%	0	6,355	6,355	
96.3%	0	5,857	5,857	
97.5%	0	5,762	5,762	
98.8%	0	5,539	5,539	
100.0%	0	4,173	4,173	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,125	14,125	
13.6%	0	14,091	14,091	
14.8%	0	14,027	14,027	
16.0%	0	14,014	14,014	
17.3%	0	13,979	13,979	
18.5%	0	13,974	13,974	
19.8%	0	13,961	13,961	
21.0%	0	13,852	13,852	
22.2%	0	13,852	13,852	
23.5%	0	13,834	13,834	
24.7%	0	13,833	13,833	
25.9%	0	13,796	13,796	
27.2%	0	13,796	13,796	
28.4%	0	13,773	13,773	
29.6%	0	13,662	13,662	
30.9%	0	13,560	13,560	
32.1%	0	13,489	13,489	
33.3%	0	13,383	13,383	
34.6%	0	13,373	13,373	
35.8%	0	13,345	13,345	
37.0%	0	13,341	13,341	
38.3%	0	13,327	13,327	
39.5%	0	13,160	13,160	
40.7%	0	13,122	13,122	
42.0%	0	13,100	13,100	
43.2%	0	12,993	12,993	
44.4%	0	12,933	12,933	
45.7%	0	12,784	12,784	
46.9%	0	12,766	12,766	
48.1%	0	12,752	12,752	
49.4%	0	12,719	12,719	
50.6%	0	12,659	12,659	
51.9%	0	12,395	12,395	
53.1%	0	12,352	12,352	
54.3%	0	12,312	12,312	
55.6%	0	12,280	12,280	
56.8%	0	12,276	12,276	
58.0%	0	12,251	12,251	
59.3%	0	12,175	12,175	
60.5%	0	12,100	12,100	
61.7%	0	12,084	12,084	
63.0%	0	12,068	12,068	
64.2%	0	11,999	11,999	
65.4%	0	11,698	11,698	
66.7%	0	11,690	11,690	
67.9%	0	11,556	11,556	
69.1%	0	11,094	11,094	
70.4%	0	11,084	11,084	
71.6%	0	10,904	10,904	
72.8%	0	10,759	10,759	
74.1%	0	10,686	10,686	
75.3%	0	10,577	10,577	
76.5%	0	10,534	10,534	
77.8%	0	10,215	10,215	
79.0%	0	10,145	10,145	
80.2%	0	10,045	10,045	
81.5%	0	9,699	9,699	
82.7%	0	9,461	9,461	
84.0%	0	9,285	9,285	
85.2%	0	8,754	8,754	
86.4%	0	7,944	7,944	
87.7%	0	7,906	7,906	
88.9%	0	7,779	7,779	
90.1%	0	7,610	7,610	
91.4%	0	7,439	7,439	
92.6%	0	7,231	7,231	
93.8%	0	7,130	7,130	
95.1%	0	6,962	6,962	
96.3%	0	6,817	6,817	
97.5%	0	5,857	5,857	
98.8%	0	4,917	4,917	
100.0%	0	4,173	4,173	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,120	14,120	
9.9%	0	14,120	14,120	
11.1%	0	14,120	14,120	
12.3%	0	14,120	14,120	
13.6%	0	14,120	14,120	
14.8%	0	14,120	14,120	
16.0%	0	14,120	14,120	
17.3%	0	14,120	14,120	
18.5%	0	14,062	14,062	
19.8%	0	14,054	14,054	
21.0%	0	14,016	14,016	
22.2%	0	13,961	13,961	
23.5%	0	13,953	13,953	
24.7%	0	13,825	13,825	
25.9%	0	13,798	13,798	
27.2%	0	13,626	13,626	
28.4%	0	13,559	13,559	
29.6%	0	13,538	13,538	
30.9%	0	13,520	13,520	
32.1%	0	13,482	13,482	
33.3%	0	13,439	13,439	
34.6%	0	13,391	13,391	
35.8%	0	13,341	13,341	
37.0%	0	13,226	13,226	
38.3%	0	13,225	13,225	
39.5%	0	13,131	13,131	
40.7%	0	13,000	13,000	
42.0%	0	12,975	12,975	
43.2%	0	12,878	12,878	
44.4%	0	12,808	12,808	
45.7%	0	12,796	12,796	
46.9%	0	12,749	12,749	
48.1%	0	12,615	12,615	
49.4%	0	12,584	12,584	
50.6%	0	12,434	12,434	
51.9%	0	12,334	12,334	
53.1%	0	12,305	12,305	
54.3%	0	12,231	12,231	
55.6%	0	12,226	12,226	
56.8%	0	12,125	12,125	
58.0%	0	12,079	12,079	
59.3%	0	12,048	12,048	
60.5%	0	12,038	12,038	
61.7%	0	11,865	11,865	
63.0%	0	11,842	11,842	
64.2%	0	11,731	11,731	
65.4%	0	11,671	11,671	
66.7%	0	11,642	11,642	
67.9%	0	11,429	11,429	
69.1%	0	11,363	11,363	
70.4%	0	11,280	11,280	
71.6%	0	11,118	11,118	
72.8%	0	10,623	10,623	
74.1%	0	10,599	10,599	
75.3%	0	10,479	10,479	
76.5%	0	10,345	10,345	
77.8%	0	10,288	10,288	
79.0%	0	10,191	10,191	
80.2%	0	9,575	9,575	
81.5%	0	9,439	9,439	
82.7%	0	9,111	9,111	
84.0%	0	8,742	8,742	
85.2%	0	8,725	8,725	
86.4%	0	7,880	7,880	
87.7%	0	7,483	7,483	
88.9%	0	7,177	7,177	
90.1%	0	7,089	7,089	
91.4%	0	6,948	6,948	
92.6%	0	6,691	6,691	
93.8%	0	6,278	6,278	
95.1%	0	6,198	6,198	
96.3%	0	5,832	5,832	
97.5%	0	5,745	5,745	
98.8%	0	4,366	4,366	
100.0%	0	3,950	3,950	

Table OP-11-5b
Sites Reservoir, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,122	14,122	
3.7%	0	14,115	14,115	
4.9%	0	14,115	14,115	
6.2%	0	14,031	14,031	
7.4%	0	14,013	14,013	
8.6%	0	14,012	14,012	
9.9%	0	14,012	14,012	
11.1%	0	14,000	14,000	
12.3%	0	14,000	14,000	
13.6%	0	13,994	13,994	
14.8%	0	13,994	13,994	
16.0%	0	13,980	13,980	
17.3%	0	13,931	13,931	
18.5%	0	13,903	13,903	
19.8%	0	13,890	13,890	
21.0%	0	13,734	13,734	
22.2%	0	13,670	13,670	
23.5%	0	13,604	13,604	
24.7%	0	13,596	13,596	
25.9%	0	13,413	13,413	
27.2%	0	13,315	13,315	
28.4%	0	13,267	13,267	
29.6%	0	13,263	13,263	
30.9%	0	13,227	13,227	
32.1%	0	13,212	13,212	
33.3%	0	13,194	13,194	
34.6%	0	13,086	13,086	
35.8%	0	12,991	12,991	
37.0%	0	12,904	12,904	
38.3%	0	12,886	12,886	
39.5%	0	12,861	12,861	
40.7%	0	12,836	12,836	
42.0%	0	12,835	12,835	
43.2%	0	12,739	12,739	
44.4%	0	12,657	12,657	
45.7%	0	12,476	12,476	
46.9%	0	12,290	12,290	
48.1%	0	12,172	12,172	
49.4%	0	12,142	12,142	
50.6%	0	12,068	12,068	
51.9%	0	12,063	12,063	
53.1%	0	12,051	12,051	
54.3%	0	12,034	12,034	
55.6%	0	12,012	12,012	
56.8%	0	11,963	11,963	
58.0%	0	11,952	11,952	
59.3%	0	11,917	11,917	
60.5%	0	11,885	11,885	
61.7%	0	11,833	11,833	
63.0%	0	11,703	11,703	
64.2%	0	11,481	11,481	
65.4%	0	11,258	11,258	
66.7%	0	11,197	11,197	
67.9%	0	11,079	11,079	
69.1%	0	11,020	11,020	
70.4%	0	10,935	10,935	
71.6%	0	10,849	10,849	
72.8%	0	10,817	10,817	
74.1%	0	10,297	10,297	
75.3%	0	10,140	10,140	
76.5%	0	10,073	10,073	
77.8%	0	9,971	9,971	
79.0%	0	9,602	9,602	
80.2%	0	8,976	8,976	
81.5%	0	8,874	8,874	
82.7%	0	8,753	8,753	
84.0%	0	8,437	8,437	
85.2%	0	7,655	7,655	
86.4%	0	7,034	7,034	
87.7%	0	6,862	6,862	
88.9%	0	6,703	6,703	
90.1%	0	6,087	6,087	
91.4%	0	5,768	5,768	
92.6%	0	5,438	5,438	
93.8%	0	5,315	5,315	
95.1%	0	5,223	5,223	
96.3%	0	4,771	4,771	
97.5%	0	4,330	4,330	
98.8%	0	4,043	4,043	
100.0%	0	3,950	3,950	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,131	14,131	
1.2%	0	14,115	14,115	
2.5%	0	14,003	14,003	
3.7%	0	13,897	13,897	
4.9%	0	13,874	13,874	
6.2%	0	13,860	13,860	
7.4%	0	13,809	13,809	
8.6%	0	13,796	13,796	
9.9%	0	13,750	13,750	
11.1%	0	13,716	13,716	
12.3%	0	13,687	13,687	
13.6%	0	13,617	13,617	
14.8%	0	13,578	13,578	
16.0%	0	13,544	13,544	
17.3%	0	13,430	13,430	
18.5%	0	13,279	13,279	
19.8%	0	13,264	13,264	
21.0%	0	13,120	13,120	
22.2%	0	13,066	13,066	
23.5%	0	13,046	13,046	
24.7%	0	12,965	12,965	
25.9%	0	12,947	12,947	
27.2%	0	12,937	12,937	
28.4%	0	12,843	12,843	
29.6%	0	12,840	12,840	
30.9%	0	12,834	12,834	
32.1%	0	12,816	12,816	
33.3%	0	12,688	12,688	
34.6%	0	12,545	12,545	
35.8%	0	12,496	12,496	
37.0%	0	12,496	12,496	
38.3%	0	12,489	12,489	
39.5%	0	12,464	12,464	
40.7%	0	12,461	12,461	
42.0%	0	12,316	12,316	
43.2%	0	12,245	12,245	
44.4%	0	12,117	12,117	
45.7%	0	11,999	11,999	
46.9%	0	11,967	11,967	
48.1%	0	11,809	11,809	
49.4%	0	11,790	11,790	
50.6%	0	11,769	11,769	
51.9%	0	11,713	11,713	
53.1%	0	11,712	11,712	
54.3%	0	11,661	11,661	
55.6%	0	11,633	11,633	
56.8%	0	11,605	11,605	
58.0%	0	11,432	11,432	
59.3%	0	11,368	11,368	
60.5%	0	11,309	11,309	
61.7%	0	11,269	11,269	
63.0%	0	11,247	11,247	
64.2%	0	11,214	11,214	
65.4%	0	10,976	10,976	
66.7%	0	10,741	10,741	
67.9%	0	10,697	10,697	
69.1%	0	10,655	10,655	
70.4%	0	10,487	10,487	
71.6%	0	10,051	10,051	
72.8%	0	9,947	9,947	
74.1%	0	9,740	9,740	
75.3%	0	9,513	9,513	
76.5%	0	9,485	9,485	
77.8%	0	9,368	9,368	
79.0%	0	8,496	8,496	
80.2%	0	8,462	8,462	
81.5%	0	8,119	8,119	
82.7%	0	7,638	7,638	
84.0%	0	7,240	7,240	
85.2%	0	6,803	6,803	
86.4%	0	6,148	6,148	
87.7%	0	5,935	5,935	
88.9%	0	5,740	5,740	
90.1%	0	4,986	4,986	
91.4%	0	4,494	4,494	
92.6%	0	4,122	4,122	
93.8%	0	4,017	4,017	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,105	14,105	
1.2%	0	14,039	14,039	
2.5%	0	14,001	14,001	
3.7%	0	13,985	13,985	
4.9%	0	13,984	13,984	
6.2%	0	13,981	13,981	
7.4%	0	13,873	13,873	
8.6%	0	13,680	13,680	
9.9%	0	13,680	13,680	
11.1%	0	13,661	13,661	
12.3%	0	13,539	13,539	
13.6%	0	13,456	13,456	
14.8%	0	13,449	13,449	
16.0%	0	13,425	13,425	
17.3%	0	13,407	13,407	
18.5%	0	13,167	13,167	
19.8%	0	13,121	13,121	
21.0%	0	12,843	12,843	
22.2%	0	12,816	12,816	
23.5%	0	12,794	12,794	
24.7%	0	12,738	12,738	
25.9%	0	12,705	12,705	
27.2%	0	12,673	12,673	
28.4%	0	12,477	12,477	
29.6%	0	12,473	12,473	
30.9%	0	12,439	12,439	
32.1%	0	12,418	12,418	
33.3%	0	12,402	12,402	
34.6%	0	12,346	12,346	
35.8%	0	12,327	12,327	
37.0%	0	12,318	12,318	
38.3%	0	12,309	12,309	
39.5%	0	12,101	12,101	
40.7%	0	12,063	12,063	
42.0%	0	12,001	12,001	
43.2%	0	11,906	11,906	
44.4%	0	11,832	11,832	
45.7%	0	11,820	11,820	
46.9%	0	11,816	11,816	
48.1%	0	11,812	11,812	
49.4%	0	11,623	11,623	
50.6%	0	11,573	11,573	
51.9%	0	11,494	11,494	
53.1%	0	11,345	11,345	
54.3%	0	11,285	11,285	
55.6%	0	11,284	11,284	
56.8%	0	11,194	11,194	
58.0%	0	11,161	11,161	
59.3%	0	11,119	11,119	
60.5%	0	11,058	11,058	
61.7%	0	11,025	11,025	
63.0%	0	10,891	10,891	
64.2%	0	10,785	10,785	
65.4%	0	10,755	10,755	
66.7%	0	10,662	10,662	
67.9%	0	10,434	10,434	
69.1%	0	10,205	10,205	
70.4%	0	9,952	9,952	
71.6%	0	9,515	9,515	
72.8%	0	9,214	9,214	
74.1%	0	8,863	8,863	
75.3%	0	8,852	8,852	
76.5%	0	8,813	8,813	
77.8%	0	8,648	8,648	
79.0%	0	8,151	8,151	
80.2%	0	7,809	7,809	
81.5%	0	7,682	7,682	
82.7%	0	7,177	7,177	
84.0%	0	6,411	6,411	
85.2%	0	5,869	5,869	
86.4%	0	5,089	5,089	
87.7%	0	4,760	4,760	
88.9%	0	4,459	4,459	
90.1%	0	4,103	4,103	
91.4%	0	4,037	4,037	
92.6%	0	4,037	4,037	
93.8%	0	4,037	4,037	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	13,777	13,777	
3.7%	0	13,753	13,753	
4.9%	0	13,752	13,752	
6.2%	0	13,701	13,701	
7.4%	0	13,576	13,576	
8.6%	0	13,294	13,294	
9.9%	0	13,280	13,280	
11.1%	0	13,260	13,260	
12.3%	0	13,144	13,144	
13.6%	0	13,028	13,028	
14.8%	0	13,019	13,019	
16.0%	0	13,001	13,001	
17.3%	0	12,983	12,983	
18.5%	0	12,712	12,712	
19.8%	0	12,672	12,672	
21.0%	0	12,424	12,424	
22.2%	0	12,417	12,417	
23.5%	0	12,382	12,382	
24.7%	0	12,364	12,364	
25.9%	0	12,353	12,353	
27.2%	0	12,305	12,305	
28.4%	0	12,161	12,161	
29.6%	0	12,160	12,160	
30.9%	0	12,096	12,096	
32.1%	0	12,063	12,063	
33.3%	0	12,042	12,042	
34.6%	0	12,026	12,026	
35.8%	0	11,959	11,959	
37.0%	0	11,947	11,947	
38.3%	0	11,925	11,925	
39.5%	0	11,904	11,904	
40.7%	0	11,873	11,873	
42.0%	0	11,743	11,743	
43.2%	0	11,675	11,675	
44.4%	0	11,663	11,663	
45.7%	0	11,660	11,660	
46.9%	0	11,410	11,410	
48.1%	0	11,350	11,350	
49.4%	0	11,337	11,337	
50.6%	0	11,208	11,208	
51.9%	0	11,150	11,150	
53.1%	0	11,105	11,105	
54.3%	0	11,037	11,037	
55.6%	0	10,941	10,941	
56.8%	0	10,863	10,863	
58.0%	0	10,847	10,847	
59.3%	0	10,831	10,831	
60.5%	0	10,826	10,826	
61.7%	0	10,703	10,703	
63.0%	0	10,608	10,608	
64.2%	0	10,563	10,563	
65.4%	0	10,563	10,563	
66.7%	0	10,485	10,485	
67.9%	0	9,915	9,915	
69.1%	0	9,650	9,650	
70.4%	0	9,401	9,401	
71.6%	0	9,302	9,302	
72.8%	0	8,553	8,553	
74.1%	0	8,311	8,311	
75.3%	0	8,123	8,123	
76.5%	0	8,037	8,037	
77.8%	0	7,951	7,951	
79.0%	0	7,868	7,868	
80.2%	0	7,783	7,783	
81.5%	0	7,171	7,171	
82.7%	0	6,883	6,883	
84.0%	0	5,887	5,887	
85.2%	0	4,724	4,724	
86.4%	0	4,273	4,273	
87.7%	0	4,205	4,205	
88.9%	0	4,136	4,136	
90.1%	0	4,136	4,136	
91.4%	0	4,050	4,050	
92.6%	0	4,050	4,050	
93.8%	0	4,011	4,011	
95.1%	0	3,950	3,950	
96.3%	0	3,950	3,950	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

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Alternative C Compared to No Action Alternative

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Table OP-01-7a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative C	114	112	703	1,276	1,376	1,038	361	436	394	459	600	101
Difference	4	105	703	1,276	1,374	1,025	228	24	-355	-352	-61	-49
Percent Difference[3]	3.4%							5.8%	-47.4%	-43.4%	-9.2%	-32.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative C	95	118	948	1,455	1,234	649	324	634	480	743	936	92
Difference	-51	111	948	1,455	1,234	639	183	29	-602	-468	-24	-136
Percent Difference	-34.8%						130.5%	4.8%	-55.6%	-38.7%	-2.5%	-59.8%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative C	281	186	1,044	1,886	2,015	1,390	758	787	635	576	753	163
Difference	167	183	1,044	1,886	2,015	1,383	589	203	-417	-546	-122	-39
Percent Difference	146.9%							34.8%	-39.7%	-48.7%	-13.9%	-19.2%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative C	92	82	606	1,484	1,493	1,387	470	360	480	327	396	100
Difference	-12	78	606	1,484	1,492	1,364	324	-2	-165	-378	-159	-3
Percent Difference	-11.5%							-0.4%	-25.6%	-53.6%	-28.7%	-3.1%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative C	80	119	383	947	1,414	1,315	286	232	259	268	347	95
Difference	-16	113	383	947	1,409	1,305	159	-20	-235	-207	-40	3
Percent Difference	-16.4%						125.2%	-7.9%	-47.6%	-43.6%	-10.4%	3.3%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative C	65	46	422	530	854	704	29	53	69	170	336	68
Difference	6	34	422	530	847	690	-43	-72	-159	-92	4	2
Percent Difference	9.8%						-59.9%	-57.6%	-69.7%	-35.1%	1.2%	2.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-7b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

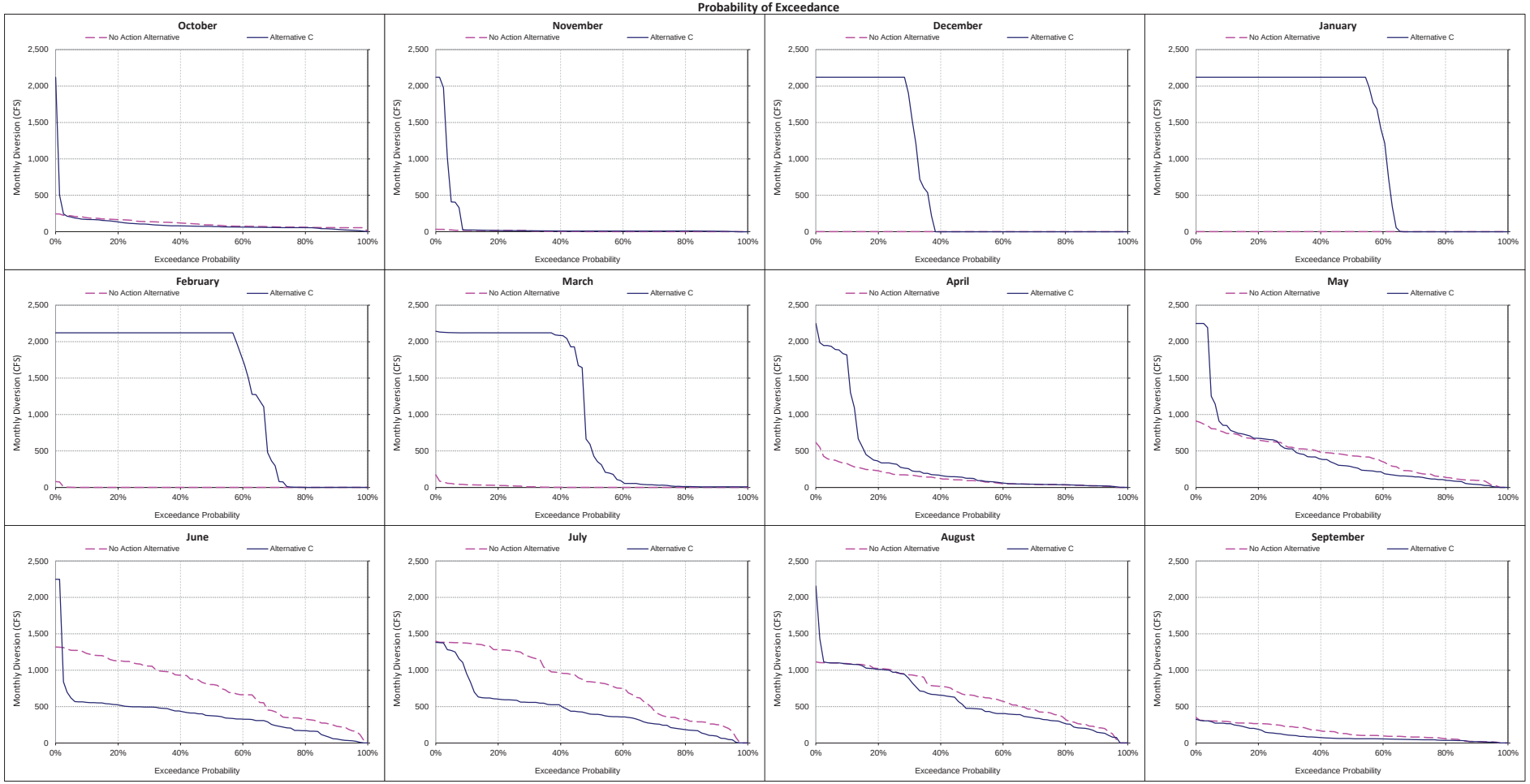

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	2,121	1,877	769.4%
1.2%	243	501	258	105.9%
2.5%	225	243	18	8.2%
3.7%	220	211	-9	-4.2%
4.9%	218	203	-15	-6.9%
6.2%	208	187	-20	-9.8%
7.4%	207	182	-25	-12.3%
8.6%	202	169	-33	-16.4%
9.9%	192	168	-23	-12.1%
11.1%	187	165	-21	-11.3%
12.3%	185	164	-21	-11.4%
13.6%	184	164	-20	-11.0%
14.8%	176	156	-19	-11.0%
16.0%	174	150	-24	-13.7%
17.3%	172	147	-25	-14.4%
18.5%	169	142	-27	-16.1%
19.8%	165	137	-28	-17.1%
21.0%	163	127	-37	-22.5%
22.2%	161	118	-43	-26.8%
23.5%	159	116	-43	-27.1%
24.7%	154	113	-41	-26.7%
25.9%	144	109	-34	-23.9%
27.2%	140	106	-34	-24.6%
28.4%	138	104	-34	-24.4%
29.6%	136	102	-34	-25.3%
30.9%	136	94	-42	-31.2%
32.1%	134	90	-45	-33.2%
33.3%	130	89	-41	-31.3%
34.6%	129	86	-43	-33.5%
35.8%	129	80	-49	-37.7%
37.0%	126	79	-46	-36.8%
38.3%	124	79	-44	-35.8%
39.5%	122	79	-42	-34.7%
40.7%	117	79	-38	-32.3%
42.0%	114	76	-38	-33.0%
43.2%	111	76	-35	-31.9%
44.4%	108	75	-33	-30.1%
45.7%	104	73	-31	-29.7%
46.9%	97	73	-24	-24.5%
48.1%	94	73	-21	-22.6%
49.4%	94	72	-22	-23.4%
50.6%	91	71	-20	-21.5%
51.9%	88	69	-19	-21.6%
53.1%	86	67	-19	-22.3%
54.3%	79	67	-13	-15.9%
55.6%	78	66	-12	-15.4%
56.8%	76	63	-13	-17.1%
58.0%	75	63	-12	-16.1%
59.3%	75	63	-12	-15.7%
60.5%	74	62	-12	-16.7%
61.7%	74	62	-12	-16.8%
63.0%	74	61	-12	-16.7%
64.2%	72	61	-10	-14.6%
65.4%	71	60	-11	-15.7%
66.7%	71	59	-12	-17.0%
67.9%	69	57	-11	-16.5%
69.1%	67	57	-10	-14.9%
70.4%	65	57	-9	-13.5%
71.6%	64	56	-8	-12.2%
72.8%	63	56	-8	-12.1%
74.1%	63	55	-8	-12.3%
75.3%	62	55	-8	-12.1%
76.5%	62	54	-8	-12.6%
77.8%	62	54	-8	-12.5%
79.0%	61	54	-7	-10.9%
80.2%	59	54	-5	-8.9%
81.5%	59	54	-5	-8.1%
82.7%	57	53	-5	-8.3%
84.0%	57	47	-10	-18.2%
85.2%	56	43	-14	-24.5%
86.4%	56	41	-16	-27.7%
87.7%	56	37	-19	-34.7%
88.9%	56	34	-22	-39.0%
90.1%	55	34	-21	-38.9%
91.4%	54	32	-22	-41.5%
92.6%	54	22	-32	-59.7%
93.8%	54	20	-34	-63.4%
95.1%	54	20	-35	-63.7%
96.3%	54	15	-39	-72.1%
97.5%	54	12	-42	-77.0%
98.8%	54	5	-49	-90.0%
100.0%	0	2	2	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33	2,121	2,088	
1.2%	32	2,121	2,089	
2.5%	31	1,977	1,946	
3.7%	26	1,017	991	
4.9%	25	410	385	
6.2%	19	403	384	
7.4%	18	329	311	
8.6%	18	26	8	46.2%
9.9%	18	24	7	38.4%
11.1%	17	24	7	37.5%
12.3%	17	23	6	36.2%
13.6%	17	18	1	7.3%
14.8%	17	18	1	5.8%
16.0%	17	18	1	5.1%
17.3%	17	18	1	3.6%
18.5%	17	17	0	0.0%
19.8%	17	17	0	0.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	17	0	0.0%
25.9%	17	15	-2	-8.9%
27.2%	17	14	-3	-16.7%
28.4%	17	12	-5	-26.8%
29.6%	17	12	-5	-28.2%
30.9%	9	11	3	33.5%
32.1%	7	11	4	61.1%
33.3%	7	11	4	60.1%
34.6%	4	10	7	178.8%
35.8%	4	10	6	178.4%
37.0%	3	10	6	191.8%
38.3%	3	9	6	226.8%
39.5%	3	9	6	252.5%
40.7%	2	9	6	277.2%
42.0%	2	9	7	334.1%
43.2%	2	8	7	336.0%
44.4%	1	8	7	480.8%
45.7%	1	8	7	615.7%
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	4	4	
92.6%	0	4	4	
93.8%	0	3	3	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	1,904	1,904	
30.9%	0	1,521	1,521	
32.1%	0	1,209	1,209	
33.3%	0	718	718	
34.6%	0	604	604	
35.8%	0	536	536	
37.0%	0	215	215	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	1,983	1,983	
56.8%	0	1,772	1,772	
58.0%	0	1,685	1,685	
59.3%	0	1,415	1,415	
60.5%	0	1,215	1,215	
61.7%	0	728	728	
63.0%	0	345	345	
64.2%	0	54	54	
65.4%	0	2	2	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,123	2,044	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	2,121	2,121	
56.8%	0	2,121	2,121	
58.0%	0	1,982	1,982	
59.3%	0	1,832	1,832	
60.5%	0	1,682	1,682	
61.7%	0	1,499	1,499	
63.0%	0	1,275	1,275	
64.2%	0	1,272	1,272	
65.4%	0	1,189	1,189	
66.7%	0	1,105	1,105	
67.9%	0	478	478	
69.1%	0	364	364	
70.4%	0	295	295	
71.6%	0	79	79	
72.8%	0	75	75	
74.1%	0	12	12	
75.3%	0	3	3	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,144	1,972	
1.2%	85	2,133	2,048	
2.5%	76	2,130	2,054	
3.7%	56	2,129	2,073	
4.9%	52	2,123	2,071	
6.2%	44	2,123	2,079	
7.4%	42	2,122	2,080	
8.6%	41	2,122	2,081	
9.9%	35	2,122	2,087	
11.1%	35	2,122	2,087	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,121	2,113	
30.9%	8	2,121	2,113	
32.1%	7	2,121	2,114	
33.3%	4	2,121	2,117	
34.6%	3	2,121	2,118	
35.8%	3	2,121	2,119	
37.0%	2	2,121	2,119	
38.3%	2	2,094	2,092	
39.5%	1	2,086	2,085	
40.7%	1	2,081	2,080	
42.0%	1	2,044	2,043	
43.2%	1	1,931	1,930	
44.4%	1	1,929	1,928	
45.7%	1	1,672	1,671	
46.9%	0	1,643	1,643	
48.1%	0	663	663	
49.4%	0	592	592	
50.6%	0	427	427	
51.9%	0	352	352	
53.1%	0	309	309	
54.3%	0	208	208	
55.6%	0	196	196	
56.8%	0	179	179	
58.0%	0	108	108	
59.3%	0	95	95	
60.5%	0	55	55	
61.7%	0	54	54	
63.0%	0	53	53	
64.2%	0	53	53	
65.4%	0	43	43	
66.7%	0	39	39	
67.9%	0	35	35	
69.1%	0	35	35	
70.4%	0	32	32	
71.6%	0	29	29	
72.8%	0	29	29	
74.1%	0	29	29	
75.3%	0	18	18	
76.5%	0	15	15	
77.8%	0	15	15	
79.0%	0	11	11	
80.2%	0	10	10	
81.5%	0	9	9	
82.7%	0	9	9	
84.0%	0	9	9	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,988	1,437	260.9%
2.5%	428	1,947	1,519	355.1%
3.7%	393	1,947	1,554	395.8%
4.9%	376	1,936	1,560	414.9%
6.2%	374	1,895	1,521	407.2%
7.4%	351	1,886	1,535	437.6%
8.6%	335	1,837	1,503	449.2%
9.9%	328	1,818	1,491	455.0%
11.1%	303	1,302	999	330.0%
12.3%	280	1,094	814	290.2%
13.6%	274	668	394	143.4%
14.8%	260	559	299	115.0%
16.0%	246	451	205	83.3%
17.3%	242	413	171	70.4%
18.5%	236	374	137	58.1%
19.8%	230	364	134	58.2%
21.0%	218	337	119	54.7%
22.2%	201	335	134	66.7%
23.5%	200	334	134	67.1%
24.7%	181	325	144	79.7%
25.9%	174	317	142	81.8%
27.2%	172	274	102	59.5%
28.4%	172	263	92	53.3%
29.6%	169	258	90	53.1%
30.9%	167	226	59	35.6%
32.1%	158	219	60	38.2%
33.3%	150	217	67	44.8%
34.6%	147	194	47	31.9%
35.8%	141	192	51	36.2%
37.0%	141	176	35	25.0%
38.3%	131	172	41	31.4%
39.5%	127	169	43	33.7%
40.7%	115	157	42	36.8%
42.0%	114	149	35	30.5%
43.2%	110	148	38	34.0%
44.4%	103	146	43	41.3%
45.7%	103	142	39	38.4%
46.9%	102	141	39	38.3%
48.1%	93	126	33	35.3%
49.4%	93	123	30	32.6%
50.6%	93	121	29	30.7%
51.9%	85	94	9	11.0%
53.1%	85	93	8	9.9%
54.3%	74	83	10	13.1%
55.6%	71	80	9	12.5%
56.8%	70	74	4	5.3%
58.0%	59	71	12	19.5%
59.3%	54	66	13	23.4%
60.5%	48	55	7	14.3%
61.7%	47	55	7	15.6%
63.0%	47	49	2	3.4%
64.2%	47	47	0	0.7%
65.4%	46	47	0	1.1%
66.7%	46	46	0	0.0%
67.9%	45	45	0	0.0%
69.1%	43	42	-1	-1.8%
70.4%	40	42	2	5.1%
71.6%	40	41	1	3.7%
72.8%	40	40	1	1.5%
74.1%	37	40	2	6.4%
75.3%	37	40	2	6.4%
76.5%	36	38	2	4.3%
77.8%	36	37	2	4.2%
79.0%	35	37	2	6.5%
80.2%	33	36	3	10.0%
81.5%	32	35	3	9.9%
82.7%	29	33	4	13.0%
84.0%	29	29	0	-1.7%
85.2%	29	29	0	0.0%
86.4%	24	24	0	0.2%
87.7%	23	23	0	0.0%
88.9%	23	22	-1	-2.3%
90.1%	22	22	0	0.0%
91.4%	21	21	0	0.0%
92.6%	16	20	4	25.2%
93.8%	15	17	2	10.6%
95.1%	14	16	2	16.1%
96.3%	0	6	6	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	2,250	1,356	151.6%
2.5%	868	2,250	1,382	159.1%
3.7%	848	2,194	1,345	158.6%
4.9%	805	1,253	448	55.7%
6.2%	803	1,145	342	42.6%
7.4%	780	911	131	16.8%
8.6%	763	852	89	11.7%
9.9%	741	848	108	14.5%
11.1%	739	780	41	5.5%
12.3%	736	763	27	3.7%
13.6%	722	741	18	2.6%
14.8%	697	736	39	5.6%
16.0%	681	722	42	6.1%
17.3%	675	705	30	4.5%
18.5%	665	675	10	1.5%
19.8%	652	674	23	3.5%
21.0%	642	672	30	4.6%
22.2%	635	665	30	4.7%
23.5%	627	658	30	4.8%
24.7%	626	652	25	4.0%
25.9%	621	635	13	2.1%
27.2%	617	575	-42	-6.8%
28.4%	575	538	-37	-6.4%
29.6%	552	529	-23	-4.2%
30.9%	550	529	-21	-3.9%
32.1%	529	477	-52	-9.8%
33.3%	529	459	-69	-13.1%
34.6%	528	454	-74	-13.9%
35.8%	522	421	-101	-19.3%
37.0%	519	417	-103	-19.7%
38.3%	508	416	-92	-18.1%
39.5%	488	391	-97	-19.9%
40.7%	477	383	-94	-19.6%
42.0%	475	380	-95	-20.0%
43.2%	472	351	-121	-25.7%
44.4%	464	328	-137	-29.5%
45.7%	461	303	-158	-34.4%
46.9%	454	299	-156	-34.3%
48.1%	445	298	-147	-33.1%
49.4%	436	289	-146	-33.6%
50.6%	431	274	-157	-36.4%
51.9%	428	265	-163	-38.1%
53.1%	420	235	-185	-44.0%
54.3%	418	234	-185	-44.1%
55.6%	416	229	-187	-45.0%
56.8%	397	226	-170	-42.9%
58.0%	391	216	-176	-44.9%
59.3%	362	215	-147	-40.5%
60.5%	341	187	-154	-45.2%
61.7%	309	177	-131	-42.5%
63.0%	290	170	-120	-41.3%
64.2%	284	165	-119	-41.8%
65.4%	252	158	-93	-37.1%
66.7%	231	157	-74	-32.0%
67.9%	229	155	-73	-32.1%
69.1%	224	151	-73	-32.5%
70.4%	207	145	-63	-30.3%
71.6%	194	143	-51	-26.4%
72.8%	184	137	-47	-25.7%
74.1%	180	122	-59	-32.6%
75.3%	180	117	-63	-35.0%
76.5%	156	113	-42	-27.2%
77.8%	151	109	-42	-28.1%
79.0%	148	106	-43	-28.8%
80.2%	135	95	-39	-29.3%
81.5%	132	93	-38	-29.2%
82.7%	118	86	-31	-26.7%
84.0%	113	81	-32	-28.1%
85.2%	108	80	-28	-26.0%
86.4%	103	53	-50	-48.4%
87.7%	100	45	-54	-54.4%
88.9%	99	41	-58	-58.3%
90.1%	95	41	-54	-56.9%
91.4%	95	34	-61	-63.7%
92.6%	88	27	-61	-69.4%
93.8%	56	24	-32	-57.9%
95.1%	22	11	-10	-47.0%
96.3%	20	6	-15	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-7b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	838	-473	-36.1%
3.7%	1,290	698	-592	-45.9%
4.9%	1,274	618	-656	-51.5%
6.2%	1,272	569	-703	-55.3%
7.4%	1,272	566	-706	-55.5%
8.6%	1,257	565	-692	-55.0%
9.9%	1,230	559	-671	-54.6%
11.1%	1,218	555	-663	-54.4%
12.3%	1,205	554	-652	-54.1%
13.6%	1,202	551	-651	-54.1%
14.8%	1,200	550	-650	-54.2%
16.0%	1,182	540	-643	-54.4%
17.3%	1,148	536	-613	-53.4%
18.5%	1,134	531	-603	-53.2%
19.8%	1,127	527	-599	-53.2%
21.0%	1,127	517	-610	-54.1%
22.2%	1,121	503	-618	-55.1%
23.5%	1,121	500	-621	-55.4%
24.7%	1,100	499	-601	-54.6%
25.9%	1,089	496	-592	-54.4%
27.2%	1,084	496	-588	-54.3%
28.4%	1,060	495	-565	-53.3%
29.6%	1,057	494	-563	-53.2%
30.9%	1,055	494	-561	-53.2%
32.1%	1,006	490	-515	-51.2%
33.3%	989	479	-510	-51.6%
34.6%	983	478	-506	-51.4%
35.8%	979	472	-507	-51.8%
37.0%	975	455	-519	-53.3%
38.3%	938	441	-497	-53.0%
39.5%	932	441	-491	-52.7%
40.7%	931	429	-502	-53.9%
42.0%	926	420	-506	-54.6%
43.2%	877	411	-466	-53.1%
44.4%	874	410	-463	-53.0%
45.7%	869	402	-466	-53.7%
46.9%	833	402	-431	-51.7%
48.1%	815	381	-434	-53.3%
49.4%	803	374	-429	-53.4%
50.6%	801	374	-428	-53.4%
51.9%	791	370	-421	-53.2%
53.1%	747	360	-386	-51.7%
54.3%	731	344	-387	-52.9%
55.6%	693	339	-354	-51.1%
56.8%	692	338	-355	-51.2%
58.0%	673	330	-343	-51.0%
59.3%	663	329	-335	-50.5%
60.5%	663	326	-337	-50.8%
61.7%	662	324	-337	-51.0%
63.0%	661	324	-337	-51.0%
64.2%	599	310	-289	-48.3%
65.4%	556	309	-248	-44.5%
66.7%	553	308	-245	-44.2%
67.9%	453	290	-163	-36.0%
69.1%	446	254	-192	-43.0%
70.4%	430	241	-188	-43.8%
71.6%	399	230	-169	-42.3%
72.8%	355	219	-136	-38.4%
74.1%	350	210	-140	-40.1%
75.3%	346	204	-142	-41.0%
76.5%	345	172	-172	-50.0%
77.8%	343	172	-171	-50.0%
79.0%	331	169	-162	-49.0%
80.2%	326	168	-158	-48.4%
81.5%	319	160	-158	-49.7%
82.7%	312	160	-152	-48.6%
84.0%	299	160	-140	-46.6%
85.2%	274	117	-158	-57.4%
86.4%	273	99	-174	-63.7%
87.7%	261	81	-180	-68.9%
88.9%	247	60	-187	-75.7%
90.1%	228	56	-172	-75.4%
91.4%	221	45	-176	-79.6%
92.6%	219	38	-181	-82.7%
93.8%	188	33	-155	-82.4%
95.1%	167	29	-139	-82.9%
96.3%	161	21	-140	-86.7%
97.5%	114	7	-107	-93.7%
98.8%	34	0	-34	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	1,380	-17	-1.2%
1.2%	1,384	1,379	-5	-0.4%
2.5%	1,383	1,375	-7	-0.5%
3.7%	1,382	1,283	-99	-7.2%
4.9%	1,380	1,273	-107	-7.8%
6.2%	1,379	1,249	-129	-9.4%
7.4%	1,378	1,158	-220	-16.0%
8.6%	1,375	1,106	-270	-19.6%
9.9%	1,373	952	-421	-30.6%
11.1%	1,367	838	-529	-38.7%
12.3%	1,361	698	-663	-48.7%
13.6%	1,356	633	-723	-53.3%
14.8%	1,350	622	-728	-53.9%
16.0%	1,331	619	-712	-53.5%
17.3%	1,330	618	-712	-53.5%
18.5%	1,283	609	-673	-52.5%
19.8%	1,282	605	-677	-52.8%
21.0%	1,278	597	-682	-53.3%
22.2%	1,278	594	-684	-53.5%
23.5%	1,273	592	-680	-53.5%
24.7%	1,265	589	-676	-53.4%
25.9%	1,259	586	-673	-53.4%
27.2%	1,249	562	-687	-55.0%
28.4%	1,210	561	-648	-53.6%
29.6%	1,193	558	-635	-53.2%
30.9%	1,174	557	-616	-52.5%
32.1%	1,158	557	-601	-51.9%
33.3%	1,150	548	-602	-52.4%
34.6%	1,043	548	-495	-47.5%
35.8%	1,012	530	-482	-47.6%
37.0%	976	527	-449	-46.0%
38.3%	973	527	-446	-45.8%
39.5%	968	526	-442	-45.7%
40.7%	956	489	-467	-48.8%
42.0%	955	464	-491	-51.4%
43.2%	945	438	-506	-53.6%
44.4%	940	438	-502	-53.4%
45.7%	897	428	-469	-52.3%
46.9%	875	426	-448	-51.3%
48.1%	844	410	-433	-51.4%
49.4%	843	396	-447	-53.0%
50.6%	836	394	-442	-52.8%
51.9%	831	394	-437	-52.6%
53.1%	822	387	-435	-52.9%
54.3%	815	372	-442	-54.3%
55.6%	796	364	-432	-54.2%
56.8%	776	363	-413	-53.2%
58.0%	756	362	-393	-52.0%
59.3%	752	358	-394	-52.4%
60.5%	749	357	-393	-52.4%
61.7%	688	350	-338	-49.1%
63.0%	666	344	-322	-48.4%
64.2%	627	329	-299	-47.6%
65.4%	618	311	-308	-49.8%
66.7%	569	290	-278	-48.9%
67.9%	534	275	-260	-48.6%
69.1%	492	270	-222	-45.1%
70.4%	422	263	-160	-37.8%
71.6%	395	258	-138	-34.8%
72.8%	372	246	-127	-34.0%
74.1%	360	243	-117	-32.5%
75.3%	353	214	-140	-39.6%
76.5%	353	201	-152	-43.0%
77.8%	333	198	-135	-40.6%
79.0%	324	191	-133	-41.2%
80.2%	323	180	-143	-44.2%
81.5%	299	177	-122	-40.8%
82.7%	299	173	-125	-42.0%
84.0%	291	169	-122	-41.8%
85.2%	290	137	-153	-52.9%
86.4%	285	123	-162	-56.7%
87.7%	261	105	-157	-59.9%
88.9%	260	100	-161	-61.7%
90.1%	252	95	-156	-62.2%
91.4%	249	66	-182	-73.4%
92.6%	222	63	-159	-71.5%
93.8%	201	48	-153	-76.1%
95.1%	158	46	-113	-71.2%
96.3%	69	8	-61	-88.9%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,157	1,043	93.6%
1.2%	1,103	1,430	327	29.6%
2.5%	1,103	1,114	11	1.0%
3.7%	1,102	1,103	1	0.1%
4.9%	1,101	1,102	1	0.1%
6.2%	1,100	1,101	1	0.1%
7.4%	1,100	1,100	0	0.0%
8.6%	1,092	1,091	0	0.0%
9.9%	1,091	1,086	-5	-0.4%
11.1%	1,086	1,083	-4	-0.3%
12.3%	1,083	1,080	-3	-0.3%
13.6%	1,080	1,078	-2	-0.1%
14.8%	1,078	1,062	-16	-1.5%
16.0%	1,064	1,028	-36	-3.3%
17.3%	1,062	1,024	-38	-3.6%
18.5%	1,028	1,021	-7	-0.7%
19.8%	1,024	1,012	-12	-1.2%
21.0%	1,021	1,012	-10	-0.9%
22.2%	1,017	1,004	-13	-1.3%
23.5%	1,012	1,000	-11	-1.1%
24.7%	1,000	971	-29	-2.9%
25.9%	963	971	8	0.8%
27.2%	954	954	0	0.0%
28.4%	953	945	-8	-0.8%
29.6%	937	894	-43	-4.6%
30.9%	935	825	-109	-11.7%
32.1%	923	771	-153	-16.5%
33.3%	918	713	-205	-22.3%
34.6%	904	708	-196	-21.7%
35.8%	805	682	-122	-15.2%
37.0%	788	669	-119	-15.1%
38.3%	782	664	-118	-15.1%
39.5%	779	659	-120	-15.5%
40.7%	776	655	-121	-15.6%
42.0%	768	645	-123	-16.0%
43.2%	754	638	-116	-15.4%
44.4%	713	631	-82	-11.5%
45.7%	698	570	-127	-18.3%
46.9%	672	533	-139	-20.6%
48.1%	660	477	-182	-27.6%
49.4%	659	474	-185	-28.0%
50.6%	654	471	-183	-28.0%
51.9%	635	469	-166	-26.2%
53.1%	635	467	-169	-26.6%
54.3%	622	434	-188	-30.2%
55.6%	619	431	-188	-30.3%
56.8%	603	416	-187	-30.9%
58.0%	599	406	-193	-32.3%
59.3%	581	404	-177	-30.5%
60.5%	567	403	-163	-28.8%
61.7%	548	398	-150	-27.5%
63.0%	523	394	-129	-24.6%
64.2%	522	392	-130	-24.9%
65.4%	494	391	-104	-21.0%
66.7%	494	364	-130	-26.4%
67.9%	467	357	-109	-23.4%
69.1%	467	352	-115	-24.6%
70.4%	455	340	-114	-25.2%
71.6%	426	337	-89	-20.9%
72.8%	424	321	-102	-24.2%
74.1%	423	320	-103	-24.3%
75.3%	412	310	-102	-24.8%
76.5%	390	304	-86	-22.1%
77.8%	386	299	-86	-22.4%
79.0%	362	281	-81	-22.4%
80.2%	316	260	-56	-17.6%
81.5%	298	257	-40	-13.6%
82.7%	287	221	-67	-23.3%
84.0%	266	210	-56	-21.1%
85.2%	258	204	-54	-20.8%
86.4%	257	202	-54	-21.1%
87.7%	232	190	-42	-18.3%
88.9%	230	174	-56	-24.3%
90.1%	209	147	-62	-29.7%
91.4%	208	140	-67	-32.4%
92.6%	198	133	-65	-32.7%
93.8%	156	105	-51	-32.5%
95.1%	126	81	-46	-36.2%
96.3%	51	78	27	53.7%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	327	-25	-7.0%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	272	-27	-9.2%
8.6%	298	271	-27	-9.1%
9.9%	296	266	-30	-10.1%
11.1%	288	264	-24	-8.5%
12.3%	280	249	-32	-11.2%
13.6%	275	240	-35	-12.9%
14.8%	275	230	-45	-16.5%
16.0%	273	214	-59	-21.5%
17.3%	273	201	-72	-26.4%
18.5%	267	201	-66	-24.6%
19.8%	266	189	-77	-28.9%
21.0%	265	176	-90	-33.8%
22.2%	264	147	-117	-44.3%
23.5%	260	140	-120	-46.3%
24.7%	251	136	-114	-45.7%
25.9%	248	131	-117	-47.3%
27.2%	243	127	-116	-47.7%
28.4%	228	115	-113	-49.6%
29.6%	225	109	-115	-51.4%
30.9%	225	104	-121	-53.7%
32.1%	214	101	-113	-52.7%
33.3%	212	91	-121	-57.2%
34.6%	212	89	-123	-57.9%
35.8%	196	85	-111	-56.7%
37.0%	181	84	-96	-53.4%
38.3%	180	79	-101	-56.4%
39.5%	172	78	-94	-54.9%
40.7%	160	73	-88	-54.6%
42.0%	160	68	-92	-57.3%
43.2%	158	67	-91	-57.4%
44.4%	155	67	-88	-57.0%
45.7%	135	62	-72	-53.7%
46.9%	131	62	-69	-52.7%
48.1%	130	62	-68	-52.3%
49.4%	117	61	-56	-48.0%
50.6%	111	60	-51	-45.9%
51.9%	108	59	-48	-44.8%
53.1%	104	58	-46	-44.2%
54.3%	104	58	-46	-44.4%
55.6%	104	58	-46	-44.5%
56.8%	104	57	-46	-44.6%
58.0%	104	57	-46	-44.8%
59.3%	97	57	-40	-41.4%
60.5%	96	55	-40	-42.3%
61.7%	92	54	-39	-41.9%
63.0%	91	53	-38	-41.6%
64.2%	91	52	-39	-42.6%
65.4%	91	51	-40	-43.6%
66.7%	88	49	-38	-43.6%
67.9%	83	49	-35	-41.6%
69.1%	82	48	-34	-41.2%
70.4%	82	47	-35	-42.4%
71.6%	82	47	-35	-42.5%
72.8%	79	45	-34	-42.7%
74.1%	76	45	-31	-40.9%
75.3%	73	44	-30	-40.3%
76.5%	72	43	-28	-39.6%
77.8%	71	38	-34	-46.9%
79.0%	63	37	-27	-42.4%
80.2%	57	37	-21	-36.4%
81.5%	56	36	-19	-34.7%
82.7%	54	35	-19	-34.9%
84.0%	51	34	-17	-33.5%
85.2%	32	33	1	4.5%
86.4%	23	30	7	29.0%
87.7%	22	21	-1	-4.3%
88.9%	21	19	-3	-12.1%
90.1%	20	18	-2	-8.7%
91.4%	18	18	0	1.3%
92.6%	16	17	1	4.3%
93.8%	16	13	-2	-15.3%
95.1%	15	13	-1	-10.1%
96.3%	12	8	-4	-34.6%
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-02-7a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative C	682	420	570	243	304	571	2,237	2,015	2,045	1,745	1,840	466
Difference	-72	-26	360	159	236	531	47	-70	-858	-1,053	-226	-82
Percent Difference[3]	-9.5%	-5.8%					2.1%	-3.3%	-29.6%	-37.6%	-10.9%	-14.9%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative C	601	365	639	268	302	300	2,128	2,238	2,542	1,935	2,188	445
Difference	-192	-95	410	188	235	269	106	116	-427	-936	49	-131
Percent Difference	-24.2%	-20.7%					5.2%	5.4%	-14.4%	-32.6%	2.3%	-22.8%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative C	875	516	773	322	386	813	2,531	2,266	1,891	1,735	1,850	464
Difference	96	64	566	249	321	787	372	188	-1,092	-1,153	-296	-108
Percent Difference	12.3%	14.1%					17.2%	9.0%	-36.6%	-39.9%	-13.8%	-18.9%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative C	685	418	612	281	315	763	2,719	2,194	2,124	1,476	1,586	488
Difference	-94	-44	416	191	248	717	417	15	-828	-1,410	-572	-75
Percent Difference	-12.1%	-9.6%					18.1%	0.7%	-28.1%	-48.9%	-26.5%	-13.4%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative C	705	451	463	179	315	818	2,330	1,852	1,798	1,740	1,670	490
Difference	-79	24	240	92	246	775	13	-294	-1,160	-1,101	-438	-53
Percent Difference	-10.1%	5.6%	107.5%				0.6%	-13.7%	-39.2%	-38.8%	-20.8%	-9.8%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative C	624	396	329	160	193	319	1,477	1,319	1,400	1,668	1,628	455
Difference	57	-16	159	71	125	255	-787	-491	-1,141	-716	-29	0
Percent Difference	10.1%	-4.0%	93.8%				-34.8%	-27.1%	-44.9%	-30.0%	-1.8%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-7b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

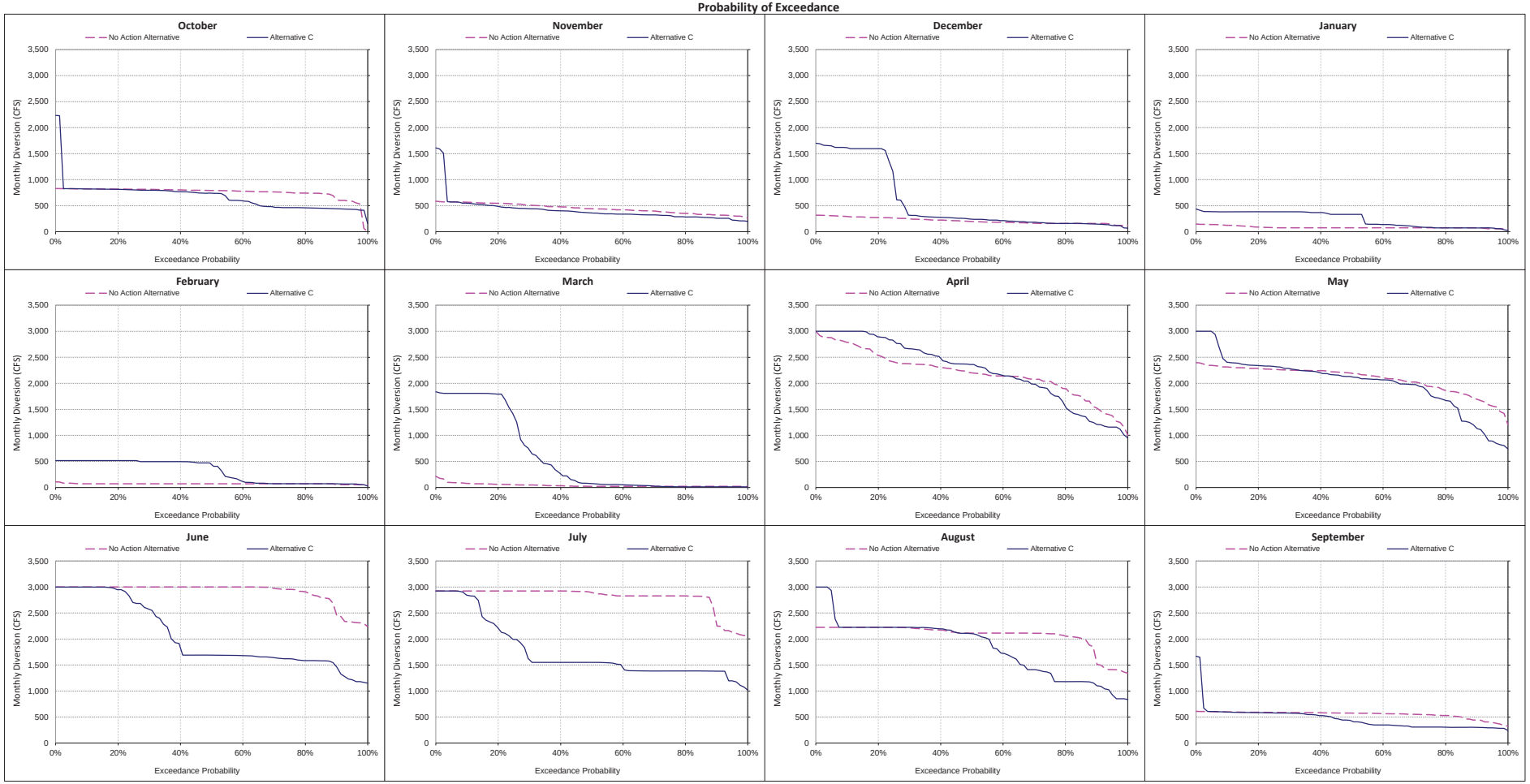

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	828	1	0.2%
3.7%	825	826	1	0.1%
4.9%	825	825	0	0.0%
6.2%	823	825	2	0.2%
7.4%	823	823	0	0.0%
8.6%	823	822	-1	-0.1%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	821	-1	-0.1%
13.6%	821	820	-1	-0.2%
14.8%	821	819	-2	-0.3%
16.0%	821	818	-3	-0.4%
17.3%	820	815	-4	-0.5%
18.5%	819	815	-5	-0.6%
19.8%	819	813	-7	-0.8%
21.0%	819	812	-7	-0.8%
22.2%	818	811	-7	-0.8%
23.5%	816	807	-8	-1.0%
24.7%	816	803	-13	-1.6%
25.9%	815	802	-14	-1.7%
27.2%	815	799	-16	-2.0%
28.4%	814	796	-18	-2.2%
29.6%	813	796	-17	-2.0%
30.9%	812	795	-17	-2.1%
32.1%	811	794	-17	-2.1%
33.3%	809	793	-16	-2.0%
34.6%	809	791	-17	-2.1%
35.8%	807	790	-17	-2.1%
37.0%	806	779	-27	-3.3%
38.3%	805	773	-32	-3.9%
39.5%	803	768	-35	-4.3%
40.7%	802	767	-35	-4.3%
42.0%	799	765	-34	-4.2%
43.2%	796	760	-36	-4.5%
44.4%	796	754	-42	-5.3%
45.7%	795	743	-52	-6.5%
46.9%	794	742	-52	-6.6%
48.1%	793	741	-52	-6.6%
49.4%	792	741	-50	-6.4%
50.6%	791	739	-53	-6.7%
51.9%	791	738	-53	-6.7%
53.1%	790	734	-57	-7.2%
54.3%	787	693	-94	-11.9%
55.6%	787	607	-180	-22.8%
56.8%	787	602	-185	-23.5%
58.0%	781	601	-180	-23.0%
59.3%	779	596	-183	-23.5%
60.5%	778	587	-191	-24.5%
61.7%	777	584	-193	-24.9%
63.0%	773	553	-221	-28.5%
64.2%	772	532	-240	-31.1%
65.4%	768	497	-271	-35.3%
66.7%	767	487	-280	-36.5%
67.9%	767	481	-286	-37.3%
69.1%	765	481	-284	-37.2%
70.4%	764	466	-298	-39.0%
71.6%	761	465	-296	-38.9%
72.8%	760	463	-298	-39.1%
74.1%	754	462	-292	-38.7%
75.3%	749	461	-288	-38.4%
76.5%	743	460	-283	-38.1%
77.8%	743	460	-283	-38.1%
79.0%	742	459	-283	-38.1%
80.2%	741	458	-283	-38.2%
81.5%	741	455	-286	-38.6%
82.7%	739	453	-286	-38.7%
84.0%	738	452	-286	-38.7%
85.2%	734	452	-281	-38.4%
86.4%	727	449	-278	-38.2%
87.7%	722	444	-278	-38.5%
88.9%	693	442	-251	-36.2%
90.1%	607	440	-167	-27.5%
91.4%	602	440	-162	-26.9%
92.6%	601	435	-166	-27.6%
93.8%	587	430	-157	-26.8%
95.1%	584	427	-157	-26.9%
96.3%	553	425	-128	-23.1%
97.5%	532	414	-117	-22.1%
98.8%	63	411	348	552.6%
100.0%	0	156	156	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	546	-23	-4.0%
9.9%	566	545	-21	-3.7%
11.1%	564	541	-23	-4.1%
12.3%	560	537	-23	-4.1%
13.6%	555	524	-31	-5.6%
14.8%	551	524	-26	-4.8%
16.0%	550	514	-36	-6.5%
17.3%	548	501	-48	-8.7%
18.5%	546	500	-47	-8.5%
19.8%	546	489	-57	-10.4%
21.0%	545	473	-73	-13.3%
22.2%	544	466	-78	-14.4%
23.5%	539	465	-73	-13.6%
24.7%	533	456	-76	-14.3%
25.9%	529	450	-79	-14.9%
27.2%	529	450	-80	-15.0%
28.4%	516	446	-70	-13.5%
29.6%	508	444	-64	-12.6%
30.9%	507	442	-64	-12.7%
32.1%	502	437	-66	-13.1%
33.3%	501	435	-66	-13.1%
34.6%	501	428	-73	-14.5%
35.8%	482	412	-70	-14.6%
37.0%	482	405	-77	-15.9%
38.3%	481	402	-79	-16.3%
39.5%	479	401	-78	-16.3%
40.7%	475	400	-75	-15.7%
42.0%	474	400	-75	-15.7%
43.2%	465	390	-75	-16.2%
44.4%	457	387	-70	-15.3%
45.7%	457	378	-79	-17.4%
46.9%	450	370	-80	-17.8%
48.1%	443	368	-76	-17.1%
49.4%	442	361	-81	-18.4%
50.6%	438	357	-81	-18.4%
51.9%	438	356	-82	-18.7%
53.1%	436	348	-88	-20.3%
54.3%	435	344	-91	-20.9%
55.6%	428	342	-86	-20.1%
56.8%	426	342	-84	-19.6%
58.0%	421	339	-82	-19.5%
59.3%	420	338	-83	-19.7%
60.5%	420	336	-84	-19.9%
61.7%	417	336	-81	-19.4%
63.0%	411	331	-80	-19.4%
64.2%	408	331	-77	-18.9%
65.4%	405	326	-79	-19.5%
66.7%	401	324	-77	-19.1%
67.9%	400	323	-78	-19.4%
69.1%	398	322	-76	-19.1%
70.4%	396	320	-76	-19.1%
71.6%	386	317	-69	-18.0%
72.8%	379	313	-65	-17.3%
74.1%	376	313	-63	-16.7%
75.3%	369	306	-64	-17.2%
76.5%	364	289	-75	-20.6%
77.8%	357	288	-69	-19.3%
79.0%	353	285	-68	-19.2%
80.2%	351	283	-67	-19.2%
81.5%	349	282	-67	-19.2%
82.7%	346	280	-66	-19.1%
84.0%	333	280	-53	-15.9%
85.2%	331	279	-52	-15.8%
86.4%	330	277	-54	-16.2%
87.7%	330	268	-63	-19.0%
88.9%	323	266	-57	-17.6%
90.1%	322	259	-62	-19.4%
91.4%	318	258	-61	-19.1%
92.6%	318	258	-60	-18.9%
93.8%	312	256	-56	-18.1%
95.1%	306	222	-85	-27.7%
96.3%	299	217	-82	-27.5%
97.5%	298	210	-88	-29.6%
98.8%	285	206	-79	-27.7%
100.0%	263	199	-63	-24.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,692	1,376	435.5%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,597	1,329	495.1%
22.2%	268	1,558	1,290	481.5%
23.5%	268	1,345	1,077	402.1%
24.7%	263	1,163	900	341.9%
25.9%	259	611	352	135.8%
27.2%	255	606	351	137.7%
28.4%	254	489	235	92.4%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	298	61	25.7%
34.6%	235	292	57	24.4%
35.8%	231	284	53	22.9%
37.0%	225	283	58	25.9%
38.3%	224	282	59	26.1%
39.5%	222	277	55	24.5%
40.7%	222	271	49	22.2%
42.0%	216	268	52	24.1%
43.2%	212	268	56	26.2%
44.4%	212	268	56	26.5%
45.7%	209	259	50	23.7%
46.9%	204	255	51	24.9%
48.1%	201	254	53	26.3%
49.4%	197	240	43	21.8%
50.6%	194	239	45	23.4%
51.9%	193	239	45	23.4%
53.1%	189	237	48	25.2%
54.3%	185	231	47	25.4%
55.6%	184	225	41	22.2%
56.8%	183	222	40	21.8%
58.0%	181	222	41	22.9%
59.3%	180	212	32	17.8%
60.5%	179	212	32	18.1%
61.7%	179	204	26	14.4%
63.0%	175	201	26	15.1%
64.2%	172	197	25	14.8%
65.4%	171	194	22	13.1%
66.7%	171	193	22	12.9%
67.9%	166	185	18	11.0%
69.1%	161	183	21	13.0%
70.4%	161	180	19	12.0%
71.6%	159	172	13	8.3%
72.8%	158	171	14	8.6%
74.1%	158	161	4	2.4%
75.3%	158	161	3	2.0%
76.5%	158	159	1	0.5%
77.8%	158	158	0	0.1%
79.0%	158	158	0	0.0%
80.2%	158	158	0	0.0%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	158	0	0.0%
85.2%	158	158	0	0.0%
86.4%	158	153	-5	-3.0%
87.7%	158	152	-6	-3.7%
88.9%	158	151	-6	-4.1%
90.1%	158	146	-11	-7.2%
91.4%	158	140	-18	-11.4%
92.6%	158	133	-25	-15.6%
93.8%	152	131	-20	-13.4%
95.1%	138	119	-19	-13.7%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	75	-44	-37.0%
100.0%	119	67	-52	-44.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	373	298	398.8%
37.0%	75	365	291	388.4%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	350	276	368.5%
43.2%	75	335	260	347.1%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	332	258	344.2%
53.1%	75	332	258	344.2%
54.3%	75	147	72	95.9%
55.6%	75	144	69	92.7%
56.8%	75	141	66	87.9%
58.0%	75	141	66	87.9%
59.3%	75	139	65	86.2%
60.5%	75	137	63	83.6%
61.7%	75	137	62	82.5%
63.0%	75	133	59	78.2%
64.2%	75	122	47	63.2%
65.4%	75	122	47	63.2%
66.7%	75	120	45	60.0%
67.9%	75	114	39	52.5%
69.1%	75	108	33	44.5%
70.4%	75	100	25	33.1%
71.6%	75	87	12	16.6%
72.8%	75	87	12	16.1%
74.1%	75	82	7	10.0%
75.3%	75	80	6	7.5%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	38	-19	-33.0%
100.0%	56	23	-33	-58.8%

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	496	428	625.5%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	495	427	624.1%
42.0%	68	494	426	622.1%
43.2%	68	491	422	617.0%
44.4%	68	479	411	600.5%
45.7%	68	471	402	587.8%
46.9%	68	471	402	587.8%
48.1%	68	471	402	587.8%
49.4%	68	471	402	587.8%
50.6%	68	407	339	495.1%
51.9%	68	403	334	488.4%
53.1%	68	321	253	369.5%
54.3%	68	208	139	203.5%
55.6%	68	194	126	183.7%
56.8%	68	179	110	161.3%
58.0%	68	164	96	139.7%
59.3%	68	132	64	93.5%
60.5%	68	100	32	46.7%
61.7%	68	97	29	41.7%
63.0%	68	93	24	35.7%
64.2%	68	83	14	20.7%
65.4%	68	80	12	16.9%
66.7%	68	80	11	16.5%
67.9%	68	74	6	8.7%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	68	2	3.6%
88.9%	66	68	2	3.6%
90.1%	52	68	17	32.4%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	66	14	27.8%
96.3%	52	66	14	27.8%
97.5%	52	52	0	0.0%
98.8%	50	52	2	3.6%
100.0%	50	26	-24	-48.5%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,819	1,643	935.0%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,807	1,738	
16.0%	66	1,807	1,740	
17.3%	66	1,802	1,736	
18.5%	61	1,797	1,736	
19.8%	58	1,793	1,734	
21.0%	58	1,793	1,735	
22.2%	56	1,689	1,633	
23.5%	56	1,539	1,483	
24.7%	50	1,418	1,368	
25.9%	48	1,255	1,208	
27.2%	47	921	874	
28.4%	46	812	766	
29.6%	46	752	706	
30.9%	45	645	600	
32.1%	44	616	572	
33.3%	41	534	494	
34.6%	40	460	419	
35.8%	33	448	416	
37.0%	32	432	399	
38.3%	32	342	310	961.0%
39.5%	30	283	252	828.3%
40.7%	30	222	191	633.3%
42.0%	25	221	196	790.7%
43.2%	25	150	125	506.1%
44.4%	22	136	114	515.0%
45.7%	22	94	72	325.5%
46.9%	22	82	60	272.0%
48.1%	22	78	57	260.2%
49.4%	20	74	54	277.9%
50.6%	20	71	52	266.1%
51.9%	20	67	47	242.5%
53.1%	20	55	36	183.6%
54.3%	20	55	35	180.4%
55.6%	20	54	35	177.2%
56.8%	20	53	34	171.8%
58.0%	20	53	34	171.8%
59.3%	20	51	31	160.0%
60.5%	20	46	27	136.4%
61.7%	20	46	27	136.4%
63.0%	20	44	24	124.6%
64.2%	20	39	20	101.0%
65.4%	20	37	17	89.2%
66.7%	20	35	15	77.4%
67.9%	20	33	13	66.9%
69.1%	20	32	13	65.7%
70.4%	20	22	3	14.5%
71.6%	20	22	3	13.2%
72.8%	20	16	-3	-16.9%
74.1%	20	14	-6	-28.8%
75.3%	20	11	-8	-41.7%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.7%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	2,993	327	12.3%
17.3%	2,660	2,945	285	10.7%
18.5%	2,585	2,943	357	13.8%
19.8%	2,543	2,897	355	13.9%
21.0%	2,518	2,885	367	14.6%
22.2%	2,484	2,883	399	16.1%
23.5%	2,433	2,838	405	16.6%
24.7%	2,414	2,832	417	17.3%
25.9%	2,395	2,768	373	15.6%
27.2%	2,380	2,762	383	16.1%
28.4%	2,379	2,674	295	12.4%
29.6%	2,377	2,666	289	12.2%
30.9%	2,374	2,660	287	12.1%
32.1%	2,366	2,649	283	12.0%
33.3%	2,364	2,643	279	11.8%
34.6%	2,363	2,585	222	9.4%
35.8%	2,353	2,562	209	8.9%
37.0%	2,347	2,556	209	8.9%
38.3%	2,323	2,527	204	8.8%
39.5%	2,310	2,518	209	9.0%
40.7%	2,299	2,433	134	5.8%
42.0%	2,291	2,414	124	5.4%
43.2%	2,283	2,380	96	4.2%
44.4%	2,267	2,379	112	4.9%
45.7%	2,248	2,377	129	5.8%
46.9%	2,239	2,374	135	6.0%
48.1%	2,235	2,366	131	5.9%
49.4%	2,205	2,364	158	7.2%
50.6%	2,197	2,363	166	7.6%
51.9%	2,189	2,323	134	6.1%
53.1%	2,181	2,310	129	5.9%
54.3%	2,173	2,291	117	5.4%
55.6%	2,151	2,216	65	3.0%
56.8%	2,144	2,189	46	2.1%
58.0%	2,142	2,181	39	1.8%
59.3%	2,141	2,161	20	0.9%
60.5%	2,139	2,144	5	0.2%
61.7%	2,136	2,141	5	0.2%
63.0%	2,135	2,130	-5	-0.2%
64.2%	2,130	2,088	-42	-2.0%
65.4%	2,130	2,077	-54	-2.5%
66.7%	2,116	2,042	-74	-3.5%
67.9%	2,090	2,042	-48	-2.3%
69.1%	2,080	1,986	-94	-4.5%
70.4%	2,077	1,983	-94	-4.5%
71.6%	2,077	1,929	-148	-7.1%
72.8%	2,042	1,916	-126	-6.2%
74.1%	2,042	1,903	-139	-6.8%
75.3%	2,034	1,809	-225	-11.0%
76.5%	1,983	1,759	-225	-11.3%
77.8%	1,967	1,747	-219	-11.1%
79.0%	1,903	1,659	-244	-12.8%
80.2%	1,895	1,522	-372	-19.7%
81.5%	1,809	1,463	-346	-19.1%
82.7%	1,777	1,418	-359	-20.2%
84.0%	1,768	1,402	-366	-20.7%
85.2%	1,747	1,375	-372	-21.3%
86.4%	1,662	1,357	-305	-18.3%
87.7%	1,659	1,271	-389	-23.4%
88.9%	1,555	1,249	-305	-19.6%
90.1%	1,522	1,208	-314	-20.6%
91.4%	1,466	1,201	-265	-18.1%
92.6%	1,418	1,172	-246	-17.4%
93.8%	1,402	1,161	-241	-17.2%
95.1%	1,375	1,158	-217	-15.8%
96.3%	1,271	1,158	-113	-8.9%
97.5%	1,249	1,117	-132	-10.6%
98.8%	1,158	1,007	-151	-13.0%
100.0%	1,002	947	-55	-5.5%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	2,943	604	25.8%
7.4%	2,331	2,696	366	15.7%
8.6%	2,315	2,477	162	7.0%
9.9%	2,315	2,405	90	3.9%
11.1%	2,310	2,397	88	3.8%
12.3%	2,299	2,392	93	4.0%
13.6%	2,299	2,385	86	3.7%
14.8%	2,299	2,368	69	3.0%
16.0%	2,296	2,358	62	2.7%
17.3%	2,289	2,346	57	2.5%
18.5%	2,289	2,346	57	2.5%
19.8%	2,289	2,340	52	2.3%
21.0%	2,284	2,337	53	2.3%
22.2%	2,274	2,331	57	2.5%
23.5%	2,274	2,330	57	2.5%
24.7%	2,266	2,325	59	2.6%
25.9%	2,266	2,315	49	2.2%
27.2%	2,261	2,310	49	2.2%
28.4%	2,258	2,289	31	1.4%
29.6%	2,255	2,289	34	1.5%
30.9%	2,252	2,274	21	0.9%
32.1%	2,250	2,261	10	0.5%
33.3%	2,250	2,247	-3	-0.1%
34.6%	2,248	2,242	-6	-0.3%
35.8%	2,247	2,237	-10	-0.4%
37.0%	2,245	2,230	-15	-0.7%
38.3%	2,245	2,226	-19	-0.8%
39.5%	2,242	2,206	-36	-1.6%
40.7%	2,242	2,187	-54	-2.4%
42.0%	2,237	2,185	-52	-2.3%
43.2%	2,222	2,165	-57	-2.6%
44.4%	2,219	2,162	-57	-2.6%
45.7%	2,213	2,155	-59	-2.7%
46.9%	2,211	2,138	-72	-3.3%
48.1%	2,206	2,133	-73	-3.3%
49.4%	2,198	2,130	-69	-3.1%
50.6%	2,185	2,118	-67	-3.1%
51.9%	2,185	2,113	-72	-3.3%
53.1%	2,165	2,087	-78	-3.6%
54.3%	2,162	2,086	-76	-3.5%
55.6%	2,147	2,083	-63	-3.0%
56.8%	2,141	2,078	-64	-3.0%
58.0%	2,133	2,076	-57	-2.7%
59.3%	2,118	2,068	-50	-2.4%
60.5%	2,100	2,066	-34	-1.6%
61.7%	2,086	2,064	-22	-1.1%
63.0%	2,086	2,054	-33	-1.6%
64.2%	2,076	2,025	-51	-2.5%
65.4%	2,066	1,987	-79	-3.8%
66.7%	2,045	1,986	-59	-2.9%
67.9%	2,032	1,982	-50	-2.5%
69.1%	2,025	1,980	-45	-2.2%
70.4%	2,024	1,976	-48	-2.4%
71.6%	2,007	1,944	-63	-3.1%
72.8%	1,990	1,926	-65	-3.3%
74.1%	1,944	1,856	-88	-4.5%
75.3%	1,937	1,757	-179	-9.3%
76.5%	1,926	1,728	-198	-10.3%
77.8%	1,921	1,716	-205	-10.7%
79.0%	1,882	1,692	-189	-10.1%
80.2%	1,856	1,667	-189	-10.2%
81.5%	1,843	1,658	-185	-10.0%
82.7%	1,840	1,562	-278	-15.1%
84.0%	1,825	1,525	-300	-16.4%
85.2%	1,797	1,273	-524	-29.1%
86.4%	1,790	1,268	-521	-29.1%
87.7%	1,762	1,247	-515	-29.2%
88.9%	1,709	1,202	-506	-29.6%
90.1%	1,692	1,128	-565	-33.4%
91.4%	1,667	1,110	-557	-33.4%
92.6%	1,642	1,016	-625	-38.1%
93.8%	1,586	893	-693	-43.7%
95.1%	1,562	887	-676	-43.2%
96.3%	1,547	844	-703	-45.4%
97.5%	1,456	819	-638	-43.8%
98.8%	1,422	806	-616	-43.3%
100.0%	1,202	739	-464	-38.6%

Table OP-02-7b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	2,998	-2	-0.1%
16.0%	3,000	2,996	-4	-0.1%
17.3%	3,000	2,995	-5	-0.2%
18.5%	3,000	2,978	-22	-0.7%
19.8%	3,000	2,950	-50	-1.7%
21.0%	3,000	2,949	-51	-1.7%
22.2%	3,000	2,915	-85	-2.8%
23.5%	3,000	2,836	-164	-5.5%
24.7%	3,000	2,702	-298	-9.9%
25.9%	3,000	2,685	-315	-10.5%
27.2%	3,000	2,682	-318	-10.6%
28.4%	3,000	2,611	-389	-13.0%
29.6%	3,000	2,577	-423	-14.1%
30.9%	3,000	2,549	-451	-15.0%
32.1%	3,000	2,437	-563	-18.8%
33.3%	3,000	2,401	-599	-20.0%
34.6%	3,000	2,283	-717	-23.9%
35.8%	3,000	2,229	-771	-25.7%
37.0%	3,000	2,005	-995	-33.2%
38.3%	3,000	1,930	-1,070	-35.7%
39.5%	3,000	1,917	-1,083	-36.1%
40.7%	3,000	1,692	-1,308	-43.6%
42.0%	3,000	1,692	-1,308	-43.6%
43.2%	3,000	1,692	-1,308	-43.6%
44.4%	3,000	1,692	-1,308	-43.6%
45.7%	3,000	1,692	-1,308	-43.6%
46.9%	3,000	1,692	-1,308	-43.6%
48.1%	3,000	1,692	-1,308	-43.6%
49.4%	3,000	1,689	-1,311	-43.7%
50.6%	3,000	1,689	-1,311	-43.7%
51.9%	3,000	1,689	-1,311	-43.7%
53.1%	3,000	1,689	-1,311	-43.7%
54.3%	3,000	1,689	-1,311	-43.7%
55.6%	3,000	1,687	-1,313	-43.8%
56.8%	3,000	1,684	-1,316	-43.9%
58.0%	3,000	1,684	-1,316	-43.9%
59.3%	3,000	1,679	-1,321	-44.0%
60.5%	3,000	1,679	-1,321	-44.0%
61.7%	3,000	1,676	-1,324	-44.1%
63.0%	3,000	1,673	-1,327	-44.2%
64.2%	2,998	1,665	-1,333	-44.5%
65.4%	2,998	1,657	-1,341	-44.7%
66.7%	2,996	1,657	-1,339	-44.7%
67.9%	2,996	1,654	-1,341	-44.8%
69.1%	2,985	1,644	-1,341	-44.9%
70.4%	2,969	1,641	-1,328	-44.7%
71.6%	2,964	1,625	-1,339	-45.2%
72.8%	2,953	1,624	-1,329	-45.0%
74.1%	2,953	1,622	-1,331	-45.1%
75.3%	2,953	1,620	-1,333	-45.2%
76.5%	2,950	1,609	-1,341	-45.5%
77.8%	2,918	1,596	-1,323	-45.3%
79.0%	2,915	1,586	-1,330	-45.6%
80.2%	2,905	1,586	-1,319	-45.4%
81.5%	2,865	1,586	-1,279	-44.6%
82.7%	2,840	1,585	-1,255	-44.2%
84.0%	2,827	1,582	-1,245	-44.0%
85.2%	2,792	1,582	-1,210	-43.3%
86.4%	2,787	1,580	-1,207	-43.3%
87.7%	2,776	1,577	-1,199	-43.2%
88.9%	2,685	1,545	-1,140	-42.5%
90.1%	2,439	1,453	-986	-40.4%
91.4%	2,434	1,325	-1,109	-45.6%
92.6%	2,338	1,281	-1,057	-45.2%
93.8%	2,330	1,231	-1,099	-47.2%
95.1%	2,326	1,214	-1,112	-47.8%
96.3%	2,315	1,180	-1,134	-49.0%
97.5%	2,310	1,180	-1,130	-48.9%
98.8%	2,296	1,167	-1,130	-49.2%
100.0%	2,236	1,152	-1,084	-48.5%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	2,923	0	0.0%
1.2%	2,923	2,923	0	0.0%
2.5%	2,923	2,923	0	0.0%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,918	-5	-0.2%
8.6%	2,923	2,902	-21	-0.7%
9.9%	2,923	2,842	-81	-2.8%
11.1%	2,923	2,828	-95	-3.3%
12.3%	2,923	2,826	-97	-3.3%
13.6%	2,923	2,745	-178	-6.1%
14.8%	2,923	2,428	-495	-16.9%
16.0%	2,923	2,362	-561	-19.2%
17.3%	2,923	2,327	-596	-20.4%
18.5%	2,923	2,298	-625	-21.4%
19.8%	2,923	2,222	-701	-24.0%
21.0%	2,923	2,128	-795	-27.2%
22.2%	2,923	2,110	-814	-27.8%
23.5%	2,923	2,064	-860	-29.4%
24.7%	2,923	1,995	-928	-31.8%
25.9%	2,923	1,990	-933	-31.9%
27.2%	2,923	1,927	-996	-34.1%
28.4%	2,923	1,835	-1,088	-37.2%
29.6%	2,923	1,627	-1,296	-44.3%
30.9%	2,923	1,549	-1,375	-47.0%
32.1%	2,923	1,549	-1,375	-47.0%
33.3%	2,923	1,549	-1,375	-47.0%
34.6%	2,923	1,549	-1,375	-47.0%
35.8%	2,923	1,549	-1,375	-47.0%
37.0%	2,923	1,549	-1,375	-47.0%
38.3%	2,923	1,549	-1,375	-47.0%
39.5%	2,923	1,549	-1,375	-47.0%
40.7%	2,923	1,549	-1,375	-47.0%
42.0%	2,923	1,549	-1,375	-47.0%
43.2%	2,918	1,549	-1,369	-46.9%
44.4%	2,915	1,549	-1,367	-46.9%
45.7%	2,915	1,549	-1,366	-46.9%
46.9%	2,913	1,549	-1,364	-46.8%
48.1%	2,912	1,549	-1,364	-46.8%
49.4%	2,902	1,549	-1,354	-46.6%
50.6%	2,885	1,549	-1,336	-46.3%
51.9%	2,868	1,549	-1,319	-46.0%
53.1%	2,866	1,549	-1,318	-46.0%
54.3%	2,851	1,543	-1,307	-45.9%
55.6%	2,845	1,538	-1,307	-45.9%
56.8%	2,844	1,533	-1,311	-46.1%
58.0%	2,828	1,517	-1,310	-46.3%
59.3%	2,828	1,510	-1,318	-46.6%
60.5%	2,828	1,407	-1,421	-50.2%
61.7%	2,828	1,391	-1,437	-50.8%
63.0%	2,828	1,384	-1,444	-51.1%
64.2%	2,828	1,384	-1,444	-51.1%
65.4%	2,828	1,384	-1,444	-51.1%
66.7%	2,828	1,384	-1,444	-51.1%
67.9%	2,828	1,384	-1,444	-51.1%
69.1%	2,828	1,384	-1,444	-51.1%
70.4%	2,828	1,384	-1,444	-51.1%
71.6%	2,828	1,384	-1,444	-51.1%
72.8%	2,828	1,384	-1,444	-51.1%
74.1%	2,828	1,384	-1,444	-51.1%
75.3%	2,828	1,384	-1,444	-51.1%
76.5%	2,828	1,384	-1,444	-51.1%
77.8%	2,828	1,384	-1,444	-51.1%
79.0%	2,828	1,384	-1,444	-51.1%
80.2%	2,828	1,384	-1,444	-51.1%
81.5%	2,823	1,384	-1,439	-51.0%
82.7%	2,823	1,383	-1,440	-51.0%
84.0%	2,823	1,383	-1,440	-51.0%
85.2%	2,820	1,383	-1,437	-51.0%
86.4%	2,810	1,383	-1,427	-50.8%
87.7%	2,799	1,381	-1,418	-50.7%
88.9%	2,610	1,381	-1,228	-47.1%
90.1%	2,247	1,379	-868	-38.6%
91.4%	2,244	1,379	-865	-38.6%
92.6%	2,163	1,379	-784	-36.3%
93.8%	2,162	1,197	-965	-44.7%
95.1%	2,128	1,195	-934	-43.9%
96.3%	2,110	1,174	-936	-44.3%
97.5%	2,082	1,110	-973	-46.7%
98.8%	2,067	1,076	-991	-47.9%
100.0%	2,064	1,014	-1,049	-50.9%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	2,932	708	31.8%
6.2%	2,224	2,383	159	7.1%
7.4%	2,224	2,224	0	0.0%
8.6%	2,224	2,224	0	0.0%
9.9%	2,224	2,224	0	0.0%
11.1%	2,224	2,224	0	0.0%
12.3%	2,224	2,224	0	0.0%
13.6%	2,224	2,224	0	0.0%
14.8%	2,224	2,224	0	0.0%
16.0%	2,224	2,224	0	0.0%
17.3%	2,224	2,224	0	0.0%
18.5%	2,224	2,224	0	0.0%
19.8%	2,224	2,224	0	0.0%
21.0%	2,224	2,224	0	0.0%
22.2%	2,224	2,224	0	0.0%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,221	2,224	3	0.1%
28.4%	2,219	2,224	5	0.2%
29.6%	2,214	2,224	10	0.5%
30.9%	2,210	2,224	14	0.6%
32.1%	2,203	2,221	18	0.8%
33.3%	2,198	2,221	23	1.1%
34.6%	2,194	2,219	25	1.1%
35.8%	2,186	2,219	33	1.5%
37.0%	2,177	2,211	34	1.5%
38.3%	2,175	2,203	29	1.3%
39.5%	2,173	2,196	23	1.1%
40.7%	2,170	2,193	23	1.1%
42.0%	2,156	2,175	19	0.9%
43.2%	2,134	2,167	33	1.5%
44.4%	2,132	2,134	3	0.1%
45.7%	2,114	2,114	0	0.0%
46.9%	2,114	2,111	-3	-0.1%
48.1%	2,114	2,109	-5	-0.2%
49.4%	2,114	2,103	-10	-0.5%
50.6%	2,114	2,101	-13	-0.6%
51.9%	2,114	2,076	-37	-1.8%
53.1%	2,114	2,037	-77	-3.6%
54.3%	2,114	2,026	-88	-4.2%
55.6%	2,114	1,993	-120	-5.7%
56.8%	2,114	1,824	-290	-13.7%
58.0%	2,114	1,810	-304	-14.4%
59.3%	2,114	1,728	-386	-18.3%
60.5%	2,114	1,720	-394	-18.6%
61.7%	2,114	1,692	-421	-19.9%
63.0%	2,114	1,652	-462	-21.9%
64.2%	2,114	1,617	-497	-23.5%
65.4%	2,114	1,511	-602	-28.5%
66.7%	2,114	1,496	-617	-29.2%
67.9%	2,114	1,413	-701	-33.2%
69.1%	2,111	1,411	-700	-33.2%
70.4%	2,109	1,410	-699	-33.1%
71.6%	2,109	1,397	-711	-33.7%
72.8%	2,109	1,374	-735	-34.8%
74.1%	2,103	1,364	-739	-35.1%
75.3%	2,101	1,342	-759	-36.1%
76.5%	2,101	1,180	-921	-43.9%
77.8%	2,083	1,180	-903	-43.4%
79.0%	2,074	1,180	-894	-43.1%
80.2%	2,053	1,180	-873	-42.5%
81.5%	2,048	1,180	-868	-42.4%
82.7%	2,039	1,180	-859	-42.1%
84.0%	2,030	1,180	-851	-41.9%
85.2%	2,010	1,180	-830	-41.3%
86.4%	1,989	1,180	-810	-40.7%
87.7%	1,883	1,174	-709	-37.6%
88.9%	1,854	1,156	-698	-37.7%
90.1%	1,511	1,102	-410	-27.1%
91.4%	1,496	1,089	-408	-27.2%
92.6%	1,440	1,043	-397	-27.6%
93.8%	1,413	1,024	-388	-27.5%
95.1%	1,411	921	-490	-34.7%
96.3%	1,410	852	-557	-39.5%
97.5%	1,397	852	-545	-39.0%
98.8%	1,364	852	-512	-37.5%
100.0%	1,342	835	-507	-37.8%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	1,669	1,059	173.8%
1.2%	607	1,648	1,041	171.6%
2.5%	607	670	63	10.4%
3.7%	605	607	2	0.3%
4.9%	604	606	2	0.4%
6.2%	601	605	5	0.8%
7.4%	600	600	0	0.0%
8.6%	599	599	0	0.0%
9.9%	599	597	-2	-0.3%
11.1%	597	595	-2	-0.4%
12.3%	597	590	-7	-1.1%
13.6%	595	588	-7	-1.2%
14.8%	592	587	-6	-1.0%
16.0%	591	586	-5	-0.8%
17.3%	591	585	-5	-0.9%
18.5%	590	585	-6	-1.0%
19.8%	590	584	-6	-1.1%
21.0%	590	583	-7	-1.1%
22.2%	590	583	-7	-1.2%
23.5%	590	582	-8	-1.4%
24.7%	589	580	-9	-1.5%
25.9%	588	578	-10	-1.8%
27.2%	588	578	-10	-1.7%
28.4%	588	578	-10	-1.7%
29.6%	587	576	-11	-1.9%
30.9%	586	572	-14	-2.4%
32.1%	586	570	-16	-2.7%
33.3%	585	568	-17	-2.9%
34.6%	585	561	-24	-4.1%
35.8%	585	546	-39	-6.7%
37.0%	584	545	-39	-6.6%
38.3%	583	543	-41	-7.0%
39.5%	583	528	-54	-9.3%
40.7%	580	528	-52	-9.0%
42.0%	578	516	-62	-10.7%
43.2%	578	509	-69	-11.9%
44.4%	578	469	-108	-18.8%
45.7%	577	460	-117	-20.3%
46.9%	577	442	-135	-23.4%
48.1%	576	439	-137	-23.7%
49.4%	575	437	-139	-24.1%
50.6%	575	406	-169	-29.4%
51.9%	572	404	-168	-29.3%
53.1%	572	396	-176	-30.7%
54.3%	571	378	-194	-33.9%
55.6%	571	363	-208	-36.4%
56.8%	570	348	-221	-38.9%
58.0%	568	348	-220	-38.7%
59.3%	564	348	-216	-38.2%
60.5%	563	348	-215	-38.1%
61.7%	563	346	-217	-38.6%
63.0%	561	340	-221	-39.3%
64.2%	561	336	-225	-40.2%
65.4%	560	331	-230	-41.0%
66.7%	559	327	-232	-41.5%
67.9%	554	325	-229	-41.3%
69.1%	553	306	-248	-44.7%
70.4%	551	306	-245	-44.5%
71.6%	550	306	-244	-44.4%
72.8%	546	306	-240	-43.9%
74.1%	545	306	-239	-43.9%
75.3%	543	306	-237	-43.7%
76.5%	535	306	-230	-42.9%
77.8%	535	306	-229	-42.8%
79.0%	528	306	-223	-42.1%
80.2%	528	303	-225	-42.6%
81.5%	528	303	-225	-42.6%
82.7%	514	303	-211	-41.1%
84.0%	509	303	-206	-40.4%
85.2%	498	303	-195	-39.1%
86.4%	461	303	-158	-34.3%
87.7%	460	303	-156	-34.0%
88.9%	442	301	-141	-32.0%
90.1%	441	301	-140	-31.8%
91.4%	437	300	-136	-31.2%
92.6%	406	291	-115	-28.3%
93.8%	404	291	-114	-28.2%
95.1%	396	291	-106	-26.7%
96.3%	378	286	-92	-24.3%
97.5%	363	283	-80	-22.0%
98.8%	336	281	-55	-16.4%
100.0%	325	241	-84	-25.9%

Table OP-03-7a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	16	55	335	806	776	406	71	78	690	485	16	2
Difference	16	55	335	806	776	406	71	78	690	485	16	2
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	58	428	977	796	244	0	0	734	171	37	0
Difference	14	58	428	977	796	244	0	0	734	171	37	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	65	167	482	1,211	1,297	687	0	0	954	636	0	0
Difference	65	167	482	1,211	1,297	687	0	0	954	636	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	14	368	1,029	650	349	0	0	527	780	0	0
Difference	0	14	368	1,029	650	349	0	0	527	780	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	33	206	477	789	564	79	148	542	573	0	0
Difference	0	33	206	477	789	564	79	148	542	573	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	17	141	262	342	305	365	311	742	541	32	16
Difference	14	17	141	262	342	305	365	311	742	541	32	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

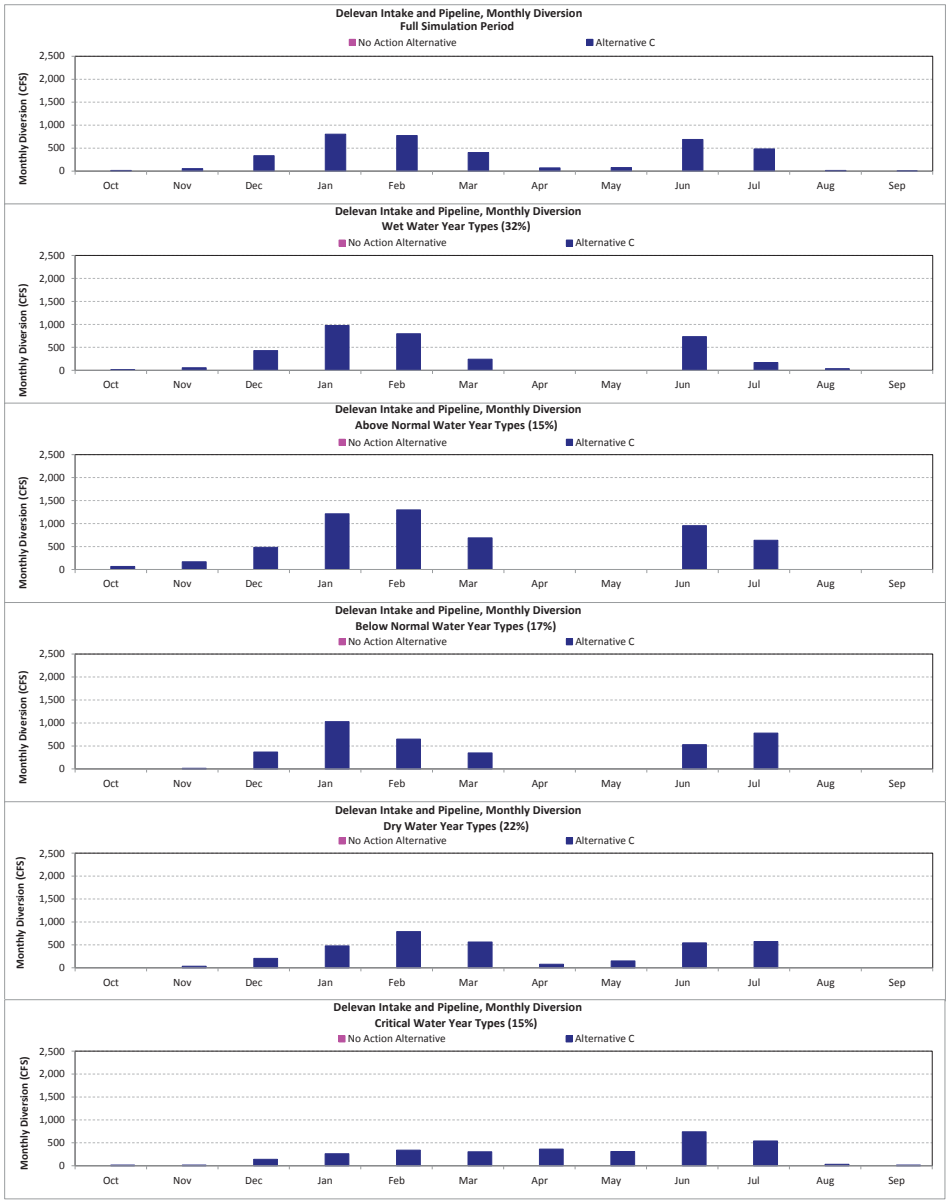

Figure OP-03-7b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

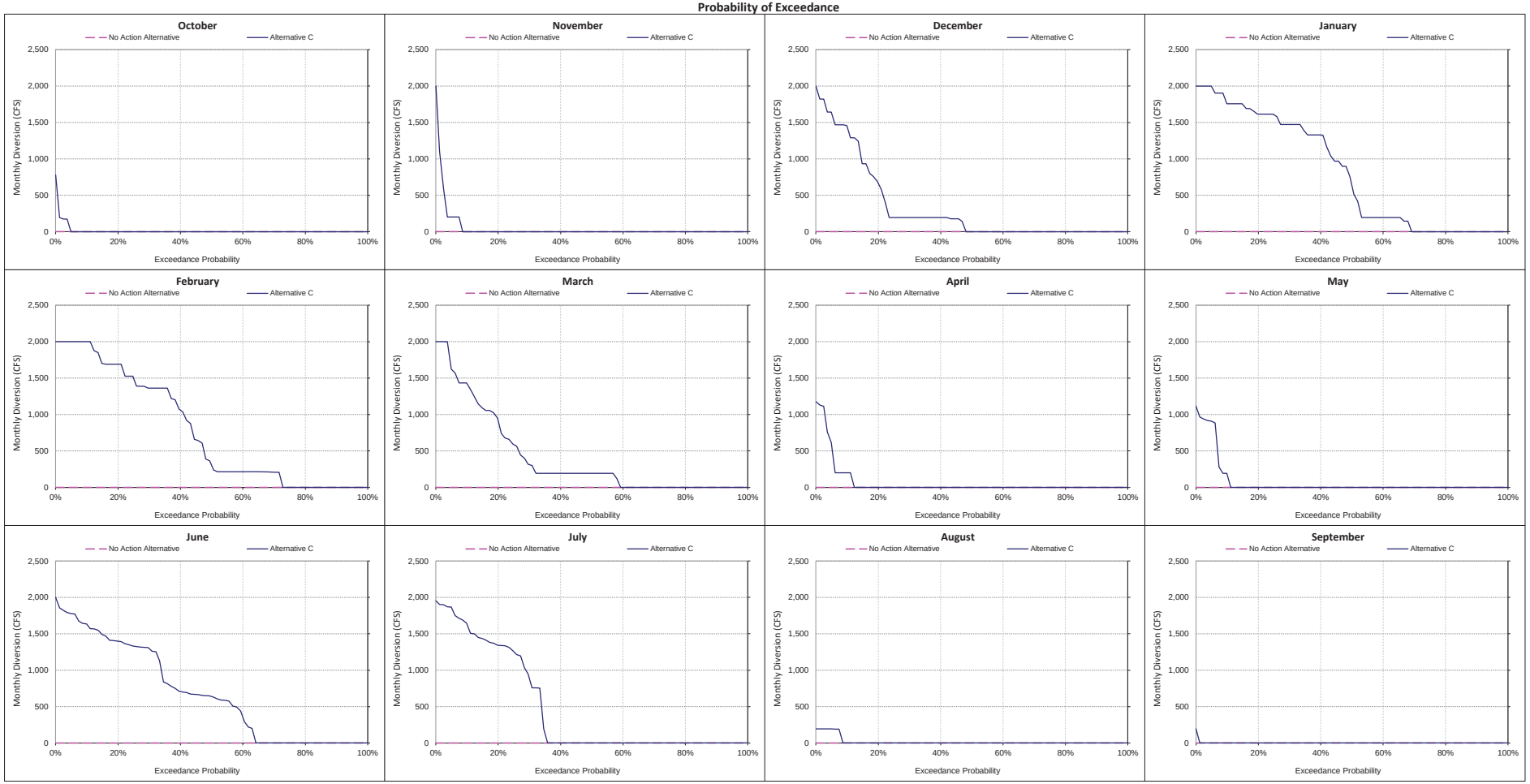

Table OP-03-7b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	781	781	
1.2%	0	194	194	
2.5%	0	174	174	
3.7%	0	174	174	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,106	1,106	
2.5%	0	602	602	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,822	1,822	
2.5%	0	1,822	1,822	
3.7%	0	1,644	1,644	
4.9%	0	1,644	1,644	
6.2%	0	1,467	1,467	
7.4%	0	1,467	1,467	
8.6%	0	1,467	1,467	
9.9%	0	1,457	1,457	
11.1%	0	1,289	1,289	
12.3%	0	1,289	1,289	
13.6%	0	1,242	1,242	
14.8%	0	933	933	
16.0%	0	933	933	
17.3%	0	800	800	
18.5%	0	756	756	
19.8%	0	687	687	
21.0%	0	578	578	
22.2%	0	400	400	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	178	178	
44.4%	0	178	178	
45.7%	0	178	178	
46.9%	0	143	143	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	1,902	1,902	
7.4%	0	1,902	1,902	
8.6%	0	1,902	1,902	
9.9%	0	1,758	1,758	
11.1%	0	1,758	1,758	
12.3%	0	1,758	1,758	
13.6%	0	1,758	1,758	
14.8%	0	1,758	1,758	
16.0%	0	1,693	1,693	
17.3%	0	1,689	1,689	
18.5%	0	1,652	1,652	
19.8%	0	1,615	1,615	
21.0%	0	1,615	1,615	
22.2%	0	1,615	1,615	
23.5%	0	1,615	1,615	
24.7%	0	1,615	1,615	
25.9%	0	1,577	1,577	
27.2%	0	1,471	1,471	
28.4%	0	1,471	1,471	
29.6%	0	1,471	1,471	
30.9%	0	1,471	1,471	
32.1%	0	1,471	1,471	
33.3%	0	1,471	1,471	
34.6%	0	1,392	1,392	
35.8%	0	1,328	1,328	
37.0%	0	1,328	1,328	
38.3%	0	1,328	1,328	
39.5%	0	1,328	1,328	
40.7%	0	1,327	1,327	
42.0%	0	1,162	1,162	
43.2%	0	1,041	1,041	
44.4%	0	970	970	
45.7%	0	969	969	
46.9%	0	898	898	
48.1%	0	898	898	
49.4%	0	754	754	
50.6%	0	517	517	
51.9%	0	417	417	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	194	194	
64.2%	0	194	194	
65.4%	0	194	194	
66.7%	0	143	143	
67.9%	0	143	143	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-7b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	2,000	2,000	
9.9%	0	2,000	2,000	
11.1%	0	2,000	2,000	
12.3%	0	1,877	1,877	
13.6%	0	1,852	1,852	
14.8%	0	1,701	1,701	
16.0%	0	1,689	1,689	
17.3%	0	1,689	1,689	
18.5%	0	1,689	1,689	
19.8%	0	1,689	1,689	
21.0%	0	1,689	1,689	
22.2%	0	1,527	1,527	
23.5%	0	1,527	1,527	
24.7%	0	1,527	1,527	
25.9%	0	1,389	1,389	
27.2%	0	1,388	1,388	
28.4%	0	1,388	1,388	
29.6%	0	1,364	1,364	
30.9%	0	1,364	1,364	
32.1%	0	1,364	1,364	
33.3%	0	1,364	1,364	
34.6%	0	1,364	1,364	
35.8%	0	1,364	1,364	
37.0%	0	1,218	1,218	
38.3%	0	1,202	1,202	
39.5%	0	1,075	1,075	
40.7%	0	1,039	1,039	
42.0%	0	919	919	
43.2%	0	877	877	
44.4%	0	658	658	
45.7%	0	641	641	
46.9%	0	606	606	
48.1%	0	389	389	
49.4%	0	362	362	
50.6%	0	239	239	
51.9%	0	214	214	
53.1%	0	214	214	
54.3%	0	214	214	
55.6%	0	214	214	
56.8%	0	214	214	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	214	214	
61.7%	0	214	214	
63.0%	0	214	214	
64.2%	0	214	214	
65.4%	0	214	214	
66.7%	0	214	214	
67.9%	0	214	214	
69.1%	0	207	207	
70.4%	0	207	207	
71.6%	0	207	207	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	1,623	1,623	
6.2%	0	1,569	1,569	
7.4%	0	1,434	1,434	
8.6%	0	1,434	1,434	
9.9%	0	1,434	1,434	
11.1%	0	1,346	1,346	
12.3%	0	1,245	1,245	
13.6%	0	1,147	1,147	
14.8%	0	1,090	1,090	
16.0%	0	1,056	1,056	
17.3%	0	1,056	1,056	
18.5%	0	1,023	1,023	
19.8%	0	953	953	
21.0%	0	737	737	
22.2%	0	679	679	
23.5%	0	661	661	
24.7%	0	596	596	
25.9%	0	562	562	
27.2%	0	444	444	
28.4%	0	401	401	
29.6%	0	319	319	
30.9%	0	301	301	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	117	117	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,178	1,178	
1.2%	0	1,129	1,129	
2.5%	0	1,112	1,112	
3.7%	0	759	759	
4.9%	0	618	618	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	200	200	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,117	1,117	
1.2%	0	965	965	
2.5%	0	937	937	
3.7%	0	918	918	
4.9%	0	911	911	
6.2%	0	883	883	
7.4%	0	277	277	
8.6%	0	194	194	
9.9%	0	194	194	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-7b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,855	1,855	
2.5%	0	1,821	1,821	
3.7%	0	1,793	1,793	
4.9%	0	1,779	1,779	
6.2%	0	1,772	1,772	
7.4%	0	1,673	1,673	
8.6%	0	1,643	1,643	
9.9%	0	1,634	1,634	
11.1%	0	1,571	1,571	
12.3%	0	1,566	1,566	
13.6%	0	1,551	1,551	
14.8%	0	1,492	1,492	
16.0%	0	1,467	1,467	
17.3%	0	1,411	1,411	
18.5%	0	1,408	1,408	
19.8%	0	1,399	1,399	
21.0%	0	1,393	1,393	
22.2%	0	1,364	1,364	
23.5%	0	1,350	1,350	
24.7%	0	1,333	1,333	
25.9%	0	1,323	1,323	
27.2%	0	1,317	1,317	
28.4%	0	1,316	1,316	
29.6%	0	1,310	1,310	
30.9%	0	1,259	1,259	
32.1%	0	1,254	1,254	
33.3%	0	1,127	1,127	
34.6%	0	841	841	
35.8%	0	814	814	
37.0%	0	778	778	
38.3%	0	751	751	
39.5%	0	710	710	
40.7%	0	701	701	
42.0%	0	693	693	
43.2%	0	671	671	
44.4%	0	670	670	
45.7%	0	666	666	
46.9%	0	656	656	
48.1%	0	651	651	
49.4%	0	648	648	
50.6%	0	628	628	
51.9%	0	603	603	
53.1%	0	591	591	
54.3%	0	586	586	
55.6%	0	576	576	
56.8%	0	508	508	
58.0%	0	492	492	
59.3%	0	439	439	
60.5%	0	289	289	
61.7%	0	220	220	
63.0%	0	200	200	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,952	1,952	
1.2%	0	1,904	1,904	
2.5%	0	1,899	1,899	
3.7%	0	1,872	1,872	
4.9%	0	1,867	1,867	
6.2%	0	1,748	1,748	
7.4%	0	1,713	1,713	
8.6%	0	1,689	1,689	
9.9%	0	1,644	1,644	
11.1%	0	1,507	1,507	
12.3%	0	1,498	1,498	
13.6%	0	1,451	1,451	
14.8%	0	1,434	1,434	
16.0%	0	1,415	1,415	
17.3%	0	1,380	1,380	
18.5%	0	1,371	1,371	
19.8%	0	1,342	1,342	
21.0%	0	1,339	1,339	
22.2%	0	1,337	1,337	
23.5%	0	1,313	1,313	
24.7%	0	1,267	1,267	
25.9%	0	1,213	1,213	
27.2%	0	1,196	1,196	
28.4%	0	1,032	1,032	
29.6%	0	946	946	
30.9%	0	756	756	
32.1%	0	756	756	
33.3%	0	754	754	
34.6%	0	194	194	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	197	197	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-7a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	79	202	1,398	2,233	2,372	1,945	463	178	82	6	80	28
Difference	79	202	1,398	2,233	2,372	1,945	463	178	82	6	80	28
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	83	215	1,812	2,606	2,249	1,142	340	197	12	18	239	74
Difference	83	215	1,812	2,606	2,249	1,142	340	197	12	18	239	74
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	347	447	2,083	3,330	3,614	2,831	924	533	293	0	0	0
Difference	347	447	2,083	3,330	3,614	2,831	924	533	293	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	86	1,371	2,693	2,370	2,411	767	221	205	0	0	0
Difference	0	86	1,371	2,693	2,370	2,411	767	221	205	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	213	820	1,516	2,430	2,619	406	0	0	0	0	11
Difference	0	213	820	1,516	2,430	2,619	406	0	0	0	0	11
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	14	50	715	863	1,310	1,241	0	0	0	0	32	16
Difference	14	50	715	863	1,310	1,241	0	0	0	0	32	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

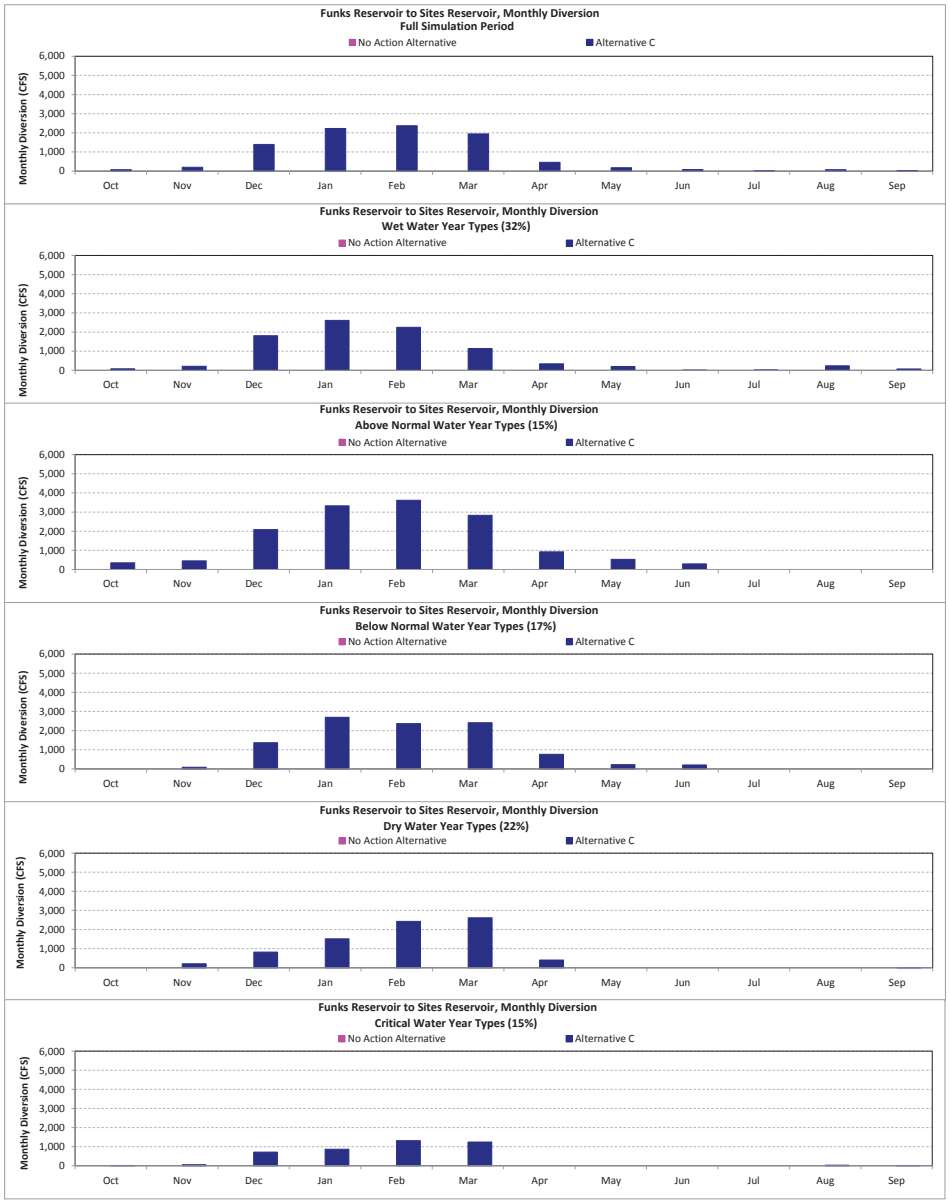

Figure OP-04-7b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

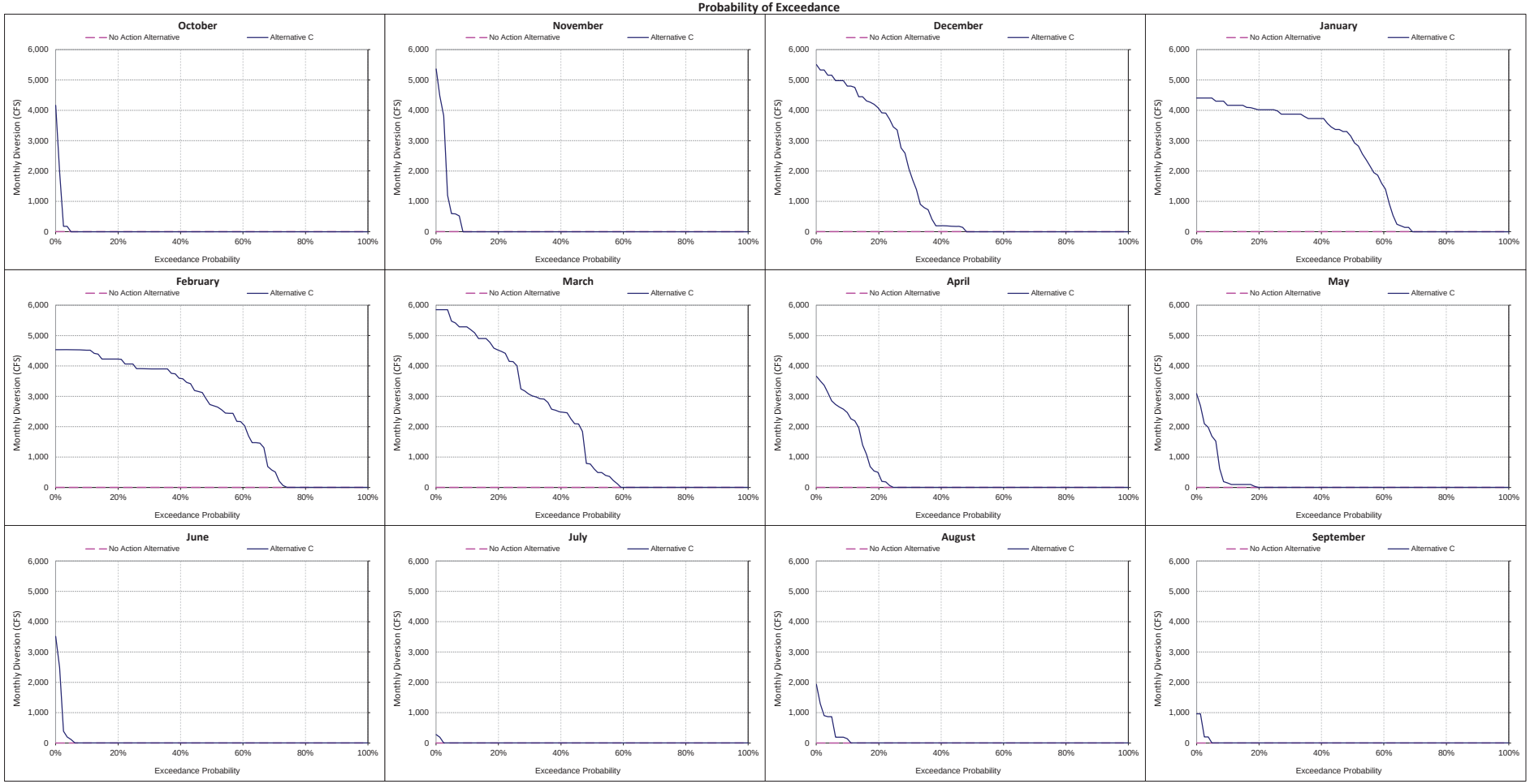

Table OP-04-7b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,168	4,168	
1.2%	0	1,977	1,977	
2.5%	0	174	174	
3.7%	0	174	174	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,366	5,366	
1.2%	0	4,472	4,472	
2.5%	0	3,826	3,826	
3.7%	0	1,198	1,198	
4.9%	0	597	597	
6.2%	0	591	591	
7.4%	0	518	518	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,333	5,333	
2.5%	0	5,333	5,333	
3.7%	0	5,155	5,155	
4.9%	0	5,155	5,155	
6.2%	0	4,978	4,978	
7.4%	0	4,978	4,978	
8.6%	0	4,978	4,978	
9.9%	0	4,800	4,800	
11.1%	0	4,800	4,800	
12.3%	0	4,753	4,753	
13.6%	0	4,444	4,444	
14.8%	0	4,444	4,444	
16.0%	0	4,311	4,311	
17.3%	0	4,267	4,267	
18.5%	0	4,198	4,198	
19.8%	0	4,089	4,089	
21.0%	0	3,921	3,921	
22.2%	0	3,911	3,911	
23.5%	0	3,705	3,705	
24.7%	0	3,458	3,458	
25.9%	0	3,349	3,349	
27.2%	0	2,757	2,757	
28.4%	0	2,588	2,588	
29.6%	0	2,078	2,078	
30.9%	0	1,700	1,700	
32.1%	0	1,390	1,390	
33.3%	0	905	905	
34.6%	0	791	791	
35.8%	0	724	724	
37.0%	0	406	406	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	178	178	
44.4%	0	178	178	
45.7%	0	178	178	
46.9%	0	143	143	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,403	4,403	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,403	4,403	
6.2%	0	4,305	4,305	
7.4%	0	4,305	4,305	
8.6%	0	4,305	4,305	
9.9%	0	4,161	4,161	
11.1%	0	4,161	4,161	
12.3%	0	4,161	4,161	
13.6%	0	4,161	4,161	
14.8%	0	4,161	4,161	
16.0%	0	4,095	4,095	
17.3%	0	4,092	4,092	
18.5%	0	4,055	4,055	
19.8%	0	4,018	4,018	
21.0%	0	4,018	4,018	
22.2%	0	4,018	4,018	
23.5%	0	4,018	4,018	
24.7%	0	4,018	4,018	
25.9%	0	3,980	3,980	
27.2%	0	3,874	3,874	
28.4%	0	3,874	3,874	
29.6%	0	3,874	3,874	
30.9%	0	3,874	3,874	
32.1%	0	3,874	3,874	
33.3%	0	3,874	3,874	
34.6%	0	3,795	3,795	
35.8%	0	3,731	3,731	
37.0%	0	3,731	3,731	
38.3%	0	3,731	3,731	
39.5%	0	3,731	3,731	
40.7%	0	3,729	3,729	
42.0%	0	3,565	3,565	
43.2%	0	3,444	3,444	
44.4%	0	3,373	3,373	
45.7%	0	3,372	3,372	
46.9%	0	3,300	3,300	
48.1%	0	3,300	3,300	
49.4%	0	3,157	3,157	
50.6%	0	2,920	2,920	
51.9%	0	2,820	2,820	
53.1%	0	2,564	2,564	
54.3%	0	2,368	2,368	
55.6%	0	2,168	2,168	
56.8%	0	1,948	1,948	
58.0%	0	1,862	1,862	
59.3%	0	1,594	1,594	
60.5%	0	1,396	1,396	
61.7%	0	914	914	
63.0%	0	535	535	
64.2%	0	247	247	
65.4%	0	195	195	
66.7%	0	143	143	
67.9%	0	143	143	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-7b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,536	4,536	
7.4%	0	4,536	4,536	
8.6%	0	4,521	4,521	
9.9%	0	4,521	4,521	
11.1%	0	4,521	4,521	
12.3%	0	4,413	4,413	
13.6%	0	4,388	4,388	
14.8%	0	4,225	4,225	
16.0%	0	4,225	4,225	
17.3%	0	4,225	4,225	
18.5%	0	4,225	4,225	
19.8%	0	4,225	4,225	
21.0%	0	4,222	4,222	
22.2%	0	4,063	4,063	
23.5%	0	4,063	4,063	
24.7%	0	4,063	4,063	
25.9%	0	3,910	3,910	
27.2%	0	3,909	3,909	
28.4%	0	3,909	3,909	
29.6%	0	3,900	3,900	
30.9%	0	3,900	3,900	
32.1%	0	3,900	3,900	
33.3%	0	3,900	3,900	
34.6%	0	3,900	3,900	
35.8%	0	3,900	3,900	
37.0%	0	3,754	3,754	
38.3%	0	3,738	3,738	
39.5%	0	3,596	3,596	
40.7%	0	3,575	3,575	
42.0%	0	3,455	3,455	
43.2%	0	3,413	3,413	
44.4%	0	3,194	3,194	
45.7%	0	3,162	3,162	
46.9%	0	3,127	3,127	
48.1%	0	2,925	2,925	
49.4%	0	2,728	2,728	
50.6%	0	2,688	2,688	
51.9%	0	2,642	2,642	
53.1%	0	2,562	2,562	
54.3%	0	2,444	2,444	
55.6%	0	2,439	2,439	
56.8%	0	2,438	2,438	
58.0%	0	2,176	2,176	
59.3%	0	2,164	2,164	
60.5%	0	2,028	2,028	
61.7%	0	1,691	1,691	
63.0%	0	1,477	1,477	
64.2%	0	1,473	1,473	
65.4%	0	1,458	1,458	
66.7%	0	1,309	1,309	
67.9%	0	687	687	
69.1%	0	574	574	
70.4%	0	506	506	
71.6%	0	207	207	
72.8%	0	63	63	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,852	5,852	
4.9%	0	5,474	5,474	
6.2%	0	5,421	5,421	
7.4%	0	5,286	5,286	
8.6%	0	5,286	5,286	
9.9%	0	5,286	5,286	
11.1%	0	5,198	5,198	
12.3%	0	5,097	5,097	
13.6%	0	4,908	4,908	
14.8%	0	4,908	4,908	
16.0%	0	4,908	4,908	
17.3%	0	4,774	4,774	
18.5%	0	4,589	4,589	
19.8%	0	4,531	4,531	
21.0%	0	4,473	4,473	
22.2%	0	4,414	4,414	
23.5%	0	4,153	4,153	
24.7%	0	4,144	4,144	
25.9%	0	4,004	4,004	
27.2%	0	3,248	3,248	
28.4%	0	3,179	3,179	
29.6%	0	3,084	3,084	
30.9%	0	3,009	3,009	
32.1%	0	2,975	2,975	
33.3%	0	2,919	2,919	
34.6%	0	2,910	2,910	
35.8%	0	2,798	2,798	
37.0%	0	2,573	2,573	
38.3%	0	2,546	2,546	
39.5%	0	2,491	2,491	
40.7%	0	2,472	2,472	
42.0%	0	2,460	2,460	
43.2%	0	2,251	2,251	
44.4%	0	2,097	2,097	
45.7%	0	2,093	2,093	
46.9%	0	1,840	1,840	
48.1%	0	790	790	
49.4%	0	769	769	
50.6%	0	608	608	
51.9%	0	491	491	
53.1%	0	490	490	
54.3%	0	391	391	
55.6%	0	363	363	
56.8%	0	224	224	
58.0%	0	117	117	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,660	3,660	
1.2%	0	3,513	3,513	
2.5%	0	3,362	3,362	
3.7%	0	3,122	3,122	
4.9%	0	2,848	2,848	
6.2%	0	2,734	2,734	
7.4%	0	2,649	2,649	
8.6%	0	2,573	2,573	
9.9%	0	2,468	2,468	
11.1%	0	2,258	2,258	
12.3%	0	2,188	2,188	
13.6%	0	1,966	1,966	
14.8%	0	1,399	1,399	
16.0%	0	1,085	1,085	
17.3%	0	681	681	
18.5%	0	539	539	
19.8%	0	499	499	
21.0%	0	197	197	
22.2%	0	184	184	
23.5%	0	61	61	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,087	3,087	
1.2%	0	2,685	2,685	
2.5%	0	2,093	2,093	
3.7%	0	1,975	1,975	
4.9%	0	1,685	1,685	
6.2%	0	1,522	1,522	
7.4%	0	614	614	
8.6%	0	190	190	
9.9%	0	150	150	
11.1%	0	92	92	
12.3%	0	92	92	
13.6%	0	92	92	
14.8%	0	92	92	
16.0%	0	92	92	
17.3%	0	92	92	
18.5%	0	35	35	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-7b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,515	3,515	
1.2%	0	2,486	2,486	
2.5%	0	391	391	
3.7%	0	197	197	
4.9%	0	119	119	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	276	276	
1.2%	0	190	190	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,941	1,941	
1.2%	0	1,300	1,300	
2.5%	0	905	905	
3.7%	0	871	871	
4.9%	0	869	869	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	138	138	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	959	959	
1.2%	0	959	959	
2.5%	0	197	197	
3.7%	0	197	197	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-7a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	153	70	16	0	0	0	170	256	1,192	1,335	383	173
Difference	153	70	16	0	0	0	170	256	1,192	1,335	383	173
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	328	150	43	0	0	0	42	77	999	1,321	237	361
Difference	328	150	43	0	0	0	42	77	999	1,321	237	361
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	49	44	14	0	0	0	0	215	1,550	1,646	480	180
Difference	49	44	14	0	0	0	0	215	1,550	1,646	480	180
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	115	27	2	0	1	0	0	259	1,059	1,673	727	96
Difference	115	27	2	0	1	0	0	259	1,059	1,673	727	96
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	102	42	1	0	0	0	175	340	1,299	1,244	492	72
Difference	102	42	1	0	0	0	175	340	1,299	1,244	492	72
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1	14	1	0	0	0	812	555	1,248	797	34	1
Difference	1	14	1	0	0	0	812	555	1,248	797	34	1
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

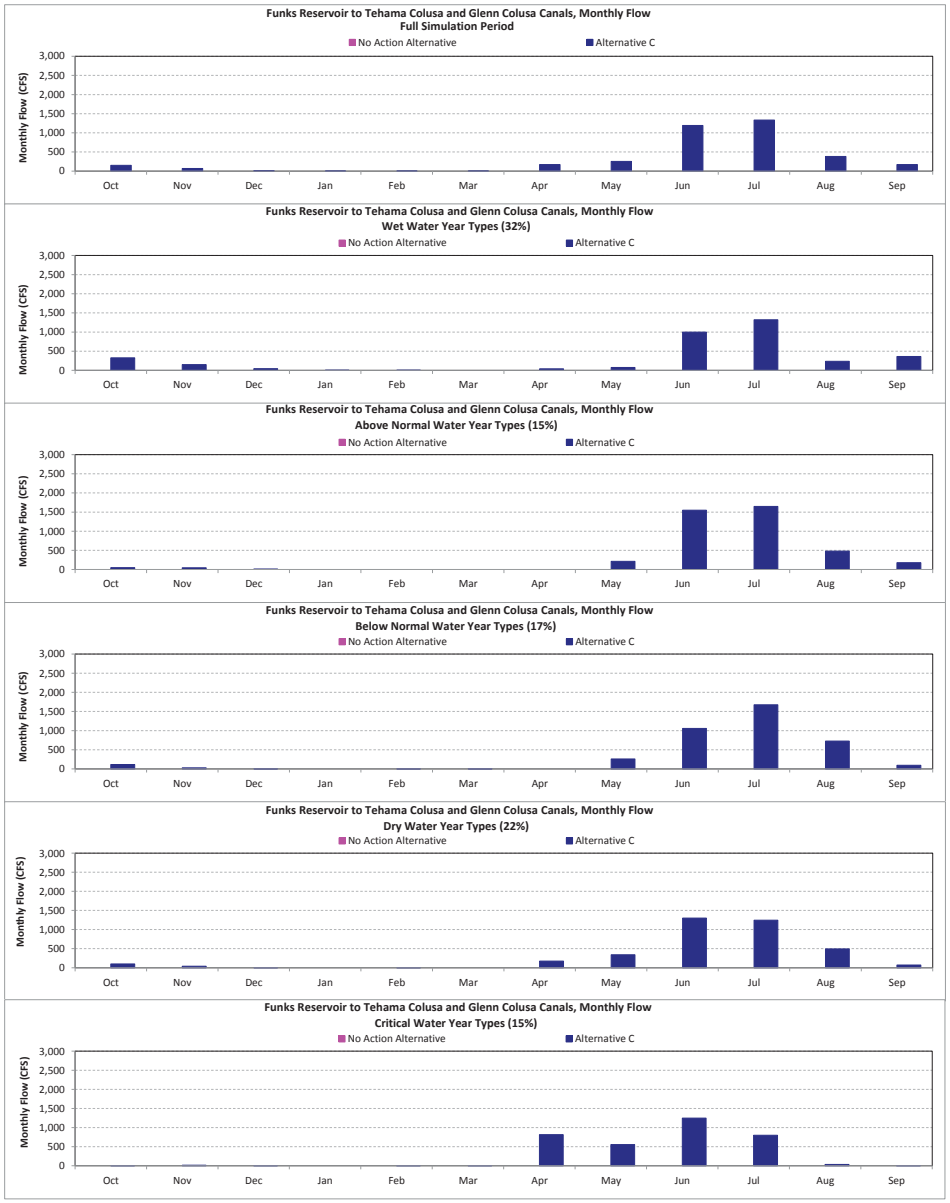

Figure OP-05-7b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

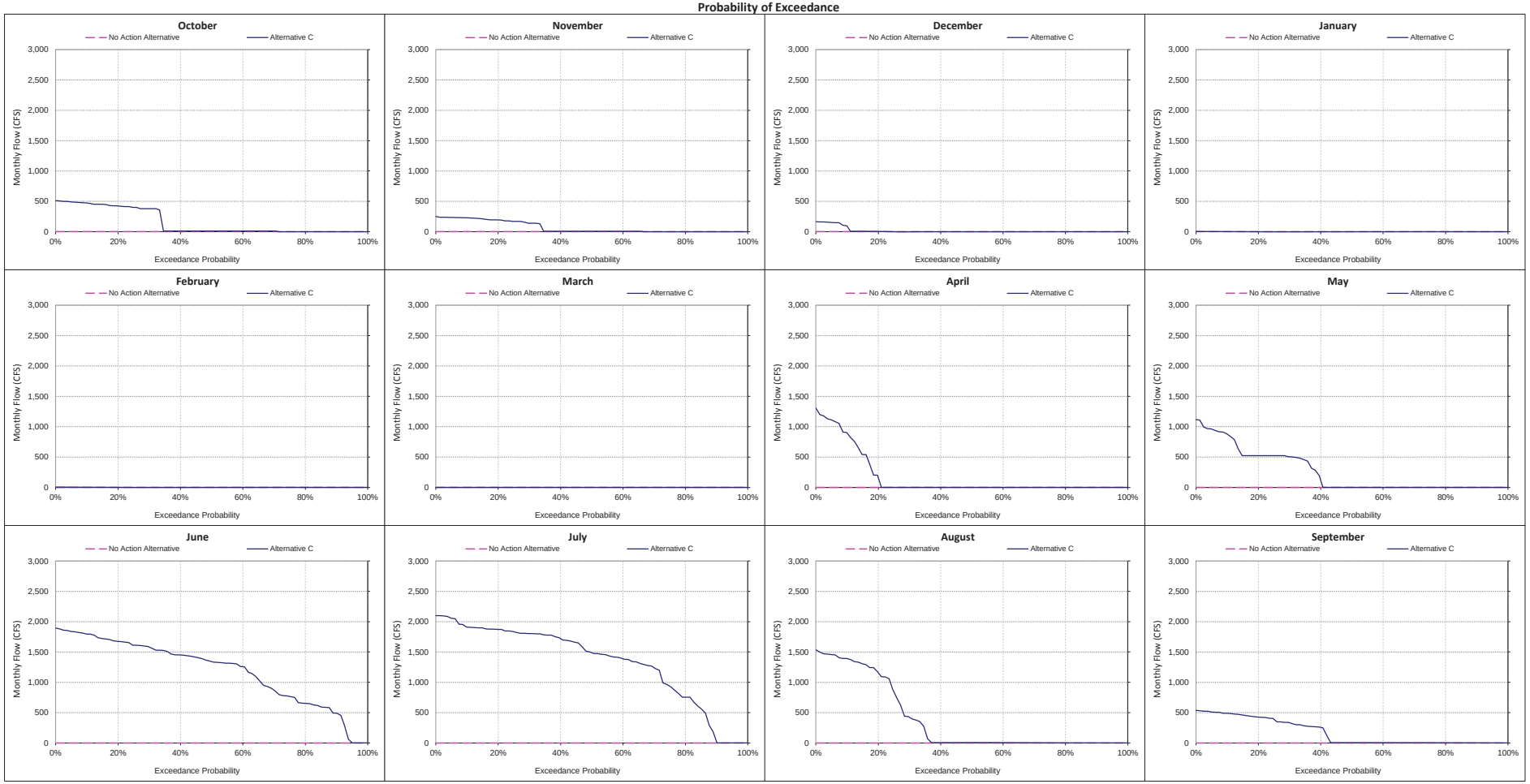

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	511	511	
1.2%	0	506	506	
2.5%	0	498	498	
3.7%	0	497	497	
4.9%	0	491	491	
6.2%	0	487	487	
7.4%	0	481	481	
8.6%	0	478	478	
9.9%	0	475	475	
11.1%	0	465	465	
12.3%	0	454	454	
13.6%	0	453	453	
14.8%	0	453	453	
16.0%	0	449	449	
17.3%	0	432	432	
18.5%	0	426	426	
19.8%	0	424	424	
21.0%	0	418	418	
22.2%	0	414	414	
23.5%	0	414	414	
24.7%	0	401	401	
25.9%	0	400	400	
27.2%	0	379	379	
28.4%	0	377	377	
29.6%	0	377	377	
30.9%	0	377	377	
32.1%	0	377	377	
33.3%	0	357	357	
34.6%	0	10	10	
35.8%	0	10	10	
37.0%	0	10	10	
38.3%	0	10	10	
39.5%	0	10	10	
40.7%	0	10	10	
42.0%	0	10	10	
43.2%	0	10	10	
44.4%	0	10	10	
45.7%	0	10	10	
46.9%	0	10	10	
48.1%	0	10	10	
49.4%	0	10	10	
50.6%	0	10	10	
51.9%	0	10	10	
53.1%	0	10	10	
54.3%	0	10	10	
55.6%	0	10	10	
56.8%	0	10	10	
58.0%	0	10	10	
59.3%	0	10	10	
60.5%	0	10	10	
61.7%	0	10	10	
63.0%	0	10	10	
64.2%	0	10	10	
65.4%	0	10	10	
66.7%	0	10	10	
67.9%	0	10	10	
69.1%	0	10	10	
70.4%	0	10	10	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	250	250	
1.2%	0	239	239	
2.5%	0	238	238	
3.7%	0	237	237	
4.9%	0	232	232	
6.2%	0	232	232	
7.4%	0	232	232	
8.6%	0	230	230	
9.9%	0	229	229	
11.1%	0	224	224	
12.3%	0	223	223	
13.6%	0	215	215	
14.8%	0	211	211	
16.0%	0	203	203	
17.3%	0	196	196	
18.5%	0	193	193	
19.8%	0	193	193	
21.0%	0	192	192	
22.2%	0	179	179	
23.5%	0	177	177	
24.7%	0	170	170	
25.9%	0	170	170	
27.2%	0	170	170	
28.4%	0	155	155	
29.6%	0	140	140	
30.9%	0	140	140	
32.1%	0	140	140	
33.3%	0	133	133	
34.6%	0	7	7	
35.8%	0	7	7	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	7	7	
40.7%	0	7	7	
42.0%	0	7	7	
43.2%	0	7	7	
44.4%	0	7	7	
45.7%	0	7	7	
46.9%	0	7	7	
48.1%	0	7	7	
49.4%	0	7	7	
50.6%	0	7	7	
51.9%	0	7	7	
53.1%	0	7	7	
54.3%	0	7	7	
55.6%	0	7	7	
56.8%	0	7	7	
58.0%	0	7	7	
59.3%	0	7	7	
60.5%	0	7	7	
61.7%	0	7	7	
63.0%	0	7	7	
64.2%	0	7	7	
65.4%	0	7	7	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	165	165	
1.2%	0	159	159	
2.5%	0	159	159	
3.7%	0	157	157	
4.9%	0	151	151	
6.2%	0	146	146	
7.4%	0	146	146	
8.6%	0	103	103	
9.9%	0	98	98	
11.1%	0	7	7	
12.3%	0	7	7	
13.6%	0	7	7	
14.8%	0	7	7	
16.0%	0	7	7	
17.3%	0	7	7	
18.5%	0	7	7	
19.8%	0	7	7	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4	
1.2%	0	4	4	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4	
1.2%	0	4	4	
2.5%	0	4	4	
3.7%	0	4	4	
4.9%	0	4	4	
6.2%	0	3	3	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1	1	
1.2%	0	1	1	
2.5%	0	1	1	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,308	1,308	
1.2%	0	1,197	1,197	
2.5%	0	1,178	1,178	
3.7%	0	1,129	1,129	
4.9%	0	1,112	1,112	
6.2%	0	1,082	1,082	
7.4%	0	1,052	1,052	
8.6%	0	911	911	
9.9%	0	903	903	
11.1%	0	820	820	
12.3%	0	759	759	
13.6%	0	654	654	
14.8%	0	540	540	
16.0%	0	540	540	
17.3%	0	380	380	
18.5%	0	200	200	
19.8%	0	200	200	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,117	1,117	
1.2%	0	1,107	1,107	
2.5%	0	993	993	
3.7%	0	966	966	
4.9%	0	965	965	
6.2%	0	937	937	
7.4%	0	918	918	
8.6%	0	911	911	
9.9%	0	883	883	
11.1%	0	834	834	
12.3%	0	787	787	
13.6%	0	632	632	
14.8%	0	523	523	
16.0%	0	523	523	
17.3%	0	523	523	
18.5%	0	523	523	
19.8%	0	523	523	
21.0%	0	523	523	
22.2%	0	523	523	
23.5%	0	523	523	
24.7%	0	523	523	
25.9%	0	523	523	
27.2%	0	523	523	
28.4%	0	523	523	
29.6%	0	507	507	
30.9%	0	501	501	
32.1%	0	493	493	
33.3%	0	481	481	
34.6%	0	457	457	
35.8%	0	431	431	
37.0%	0	318	318	
38.3%	0	277	277	
39.5%	0	194	194	
40.7%	0	1	1	
42.0%	0	1	1	
43.2%	0	1	1	
44.4%	0	1	1	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	1	1	
49.4%	0	1	1	
50.6%	0	1	1	
51.9%	0	1	1	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-7b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,895	1,895	
1.2%	0	1,881	1,881	
2.5%	0	1,861	1,861	
3.7%	0	1,855	1,855	
4.9%	0	1,839	1,839	
6.2%	0	1,833	1,833	
7.4%	0	1,819	1,819	
8.6%	0	1,812	1,812	
9.9%	0	1,795	1,795	
11.1%	0	1,793	1,793	
12.3%	0	1,779	1,779	
13.6%	0	1,737	1,737	
14.8%	0	1,721	1,721	
16.0%	0	1,713	1,713	
17.3%	0	1,705	1,705	
18.5%	0	1,683	1,683	
19.8%	0	1,674	1,674	
21.0%	0	1,671	1,671	
22.2%	0	1,663	1,663	
23.5%	0	1,655	1,655	
24.7%	0	1,611	1,611	
25.9%	0	1,611	1,611	
27.2%	0	1,606	1,606	
28.4%	0	1,597	1,597	
29.6%	0	1,591	1,591	
30.9%	0	1,561	1,561	
32.1%	0	1,532	1,532	
33.3%	0	1,528	1,528	
34.6%	0	1,527	1,527	
35.8%	0	1,507	1,507	
37.0%	0	1,466	1,466	
38.3%	0	1,452	1,452	
39.5%	0	1,451	1,451	
40.7%	0	1,448	1,448	
42.0%	0	1,439	1,439	
43.2%	0	1,433	1,433	
44.4%	0	1,418	1,418	
45.7%	0	1,404	1,404	
46.9%	0	1,390	1,390	
48.1%	0	1,366	1,366	
49.4%	0	1,349	1,349	
50.6%	0	1,333	1,333	
51.9%	0	1,329	1,329	
53.1%	0	1,323	1,323	
54.3%	0	1,317	1,317	
55.6%	0	1,316	1,316	
56.8%	0	1,310	1,310	
58.0%	0	1,305	1,305	
59.3%	0	1,259	1,259	
60.5%	0	1,254	1,254	
61.7%	0	1,167	1,167	
63.0%	0	1,144	1,144	
64.2%	0	1,095	1,095	
65.4%	0	1,022	1,022	
66.7%	0	948	948	
67.9%	0	929	929	
69.1%	0	900	900	
70.4%	0	860	860	
71.6%	0	799	799	
72.8%	0	781	781	
74.1%	0	778	778	
75.3%	0	766	766	
76.5%	0	751	751	
77.8%	0	666	666	
79.0%	0	656	656	
80.2%	0	651	651	
81.5%	0	648	648	
82.7%	0	628	628	
84.0%	0	617	617	
85.2%	0	591	591	
86.4%	0	586	586	
87.7%	0	582	582	
88.9%	0	492	492	
90.1%	0	489	489	
91.4%	0	453	453	
92.6%	0	289	289	
93.8%	0	61	61	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,099	2,099	
1.2%	0	2,099	2,099	
2.5%	0	2,095	2,095	
3.7%	0	2,086	2,086	
4.9%	0	2,057	2,057	
6.2%	0	2,049	2,049	
7.4%	0	1,956	1,956	
8.6%	0	1,956	1,956	
9.9%	0	1,912	1,912	
11.1%	0	1,908	1,908	
12.3%	0	1,902	1,902	
13.6%	0	1,899	1,899	
14.8%	0	1,897	1,897	
16.0%	0	1,882	1,882	
17.3%	0	1,877	1,877	
18.5%	0	1,875	1,875	
19.8%	0	1,873	1,873	
21.0%	0	1,870	1,870	
22.2%	0	1,847	1,847	
23.5%	0	1,847	1,847	
24.7%	0	1,838	1,838	
25.9%	0	1,822	1,822	
27.2%	0	1,808	1,808	
28.4%	0	1,806	1,806	
29.6%	0	1,803	1,803	
30.9%	0	1,802	1,802	
32.1%	0	1,798	1,798	
33.3%	0	1,797	1,797	
34.6%	0	1,780	1,780	
35.8%	0	1,779	1,779	
37.0%	0	1,779	1,779	
38.3%	0	1,752	1,752	
39.5%	0	1,735	1,735	
40.7%	0	1,696	1,696	
42.0%	0	1,692	1,692	
43.2%	0	1,682	1,682	
44.4%	0	1,662	1,662	
45.7%	0	1,648	1,648	
46.9%	0	1,585	1,585	
48.1%	0	1,511	1,511	
49.4%	0	1,502	1,502	
50.6%	0	1,475	1,475	
51.9%	0	1,473	1,473	
53.1%	0	1,461	1,461	
54.3%	0	1,455	1,455	
55.6%	0	1,438	1,438	
56.8%	0	1,419	1,419	
58.0%	0	1,415	1,415	
59.3%	0	1,400	1,400	
60.5%	0	1,380	1,380	
61.7%	0	1,375	1,375	
63.0%	0	1,342	1,342	
64.2%	0	1,339	1,339	
65.4%	0	1,313	1,313	
66.7%	0	1,295	1,295	
67.9%	0	1,279	1,279	
69.1%	0	1,267	1,267	
70.4%	0	1,227	1,227	
71.6%	0	1,200	1,200	
72.8%	0	989	989	
74.1%	0	963	963	
75.3%	0	926	926	
76.5%	0	870	870	
77.8%	0	815	815	
79.0%	0	756	756	
80.2%	0	756	756	
81.5%	0	756	756	
82.7%	0	675	675	
84.0%	0	609	609	
85.2%	0	558	558	
86.4%	0	492	492	
87.7%	0	292	292	
88.9%	0	184	184	
90.1%	0	4	4	
91.4%	0	4	4	
92.6%	0	4	4	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,534	1,534	
1.2%	0	1,501	1,501	
2.5%	0	1,468	1,468	
3.7%	0	1,464	1,464	
4.9%	0	1,456	1,456	
6.2%	0	1,454	1,454	
7.4%	0	1,405	1,405	
8.6%	0	1,394	1,394	
9.9%	0	1,392	1,392	
11.1%	0	1,375	1,375	
12.3%	0	1,342	1,342	
13.6%	0	1,333	1,333	
14.8%	0	1,307	1,307	
16.0%	0	1,290	1,290	
17.3%	0	1,244	1,244	
18.5%	0	1,241	1,241	
19.8%	0	1,175	1,175	
21.0%	0	1,094	1,094	
22.2%	0	1,091	1,091	
23.5%	0	1,057	1,057	
24.7%	0	878	878	
25.9%	0	745	745	
27.2%	0	623	623	
28.4%	0	444	444	
29.6%	0	432	432	
30.9%	0	397	397	
32.1%	0	377	377	
33.3%	0	353	353	
34.6%	0	275	275	
35.8%	0	69	69	
37.0%	0	5	5	
38.3%	0	5	5	
39.5%	0	5	5	
40.7%	0	5	5	
42.0%	0	5	5	
43.2%	0	5	5	
44.4%	0	5	5	
45.7%	0	5	5	
46.9%	0	5	5	
48.1%	0	5	5	
49.4%	0	5	5	
50.6%	0	5	5	
51.9%	0	5	5	
53.1%	0	5	5	
54.3%	0	5	5	
55.6%	0	5	5	
56.8%	0	5	5	
58.0%	0	5	5	
59.3%	0	5	5	
60.5%	0	5	5	
61.7%	0	5	5	
63.0%	0	5	5	
64.2%	0	5	5	
65.4%	0	5	5	
66.7%	0	5	5	
67.9%	0	5	5	
69.1%	0	5	5	
70.4%	0	5	5	
71.6%	0	5	5	
72.8%	0	5	5	
74.1%	0	5	5	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	537	537	
1.2%	0	531	531	
2.5%	0	524	524	
3.7%	0	524	524	
4.9%	0	512	512	
6.2%	0	508	508	
7.4%	0	508	508	
8.6%	0	491	491	
9.9%	0	491	491	
11.1%	0	486	486	
12.3%	0	475	475	
13.6%	0	471	471	
14.8%	0	466	466	
16.0%	0	452	452	
17.3%	0	441	441	
18.5%	0	432	432	
19.8%	0	430	430	
21.0%	0	422	422	
22.2%	0	420	420	
23.5%	0	409	409	
24.7%	0	403	403	
25.9%	0	350	350	
27.2%	0	349	349	
28.4%	0	340	340	
29.6%	0	339	339	
30.9%	0	318	318	
32.1%	0	301	301	
33.3%	0	299	299	
34.6%	0	284	284	
35.8%	0	274	274	
37.0%	0	272	272	
38.3%	0	265	265	
39.5%	0	263	263	
40.7%	0	249	249	
42.0%	0	120	120	
43.2%	0	7	7	
44.4%	0	7	7	
45.7%	0	7	7	
46.9%	0	7	7	
48.1%	0	7	7	
49.4%	0	7	7	
50.6%	0	7	7	
51.9%	0	7	7	
53.1%	0	7	7	
54.3%	0	7	7	
55.6%	0	7	7	
56.8%	0	7	7	
58.0%	0	7	7	
59.3%	0	7	7	
60.5%	0	7	7	
61.7%	0	7	7	
63.0%	0	7	7	
64.2%	0	7	7	
65.4%	0	7	7	
66.7%	0	7	7	
67.9%	0	7	7	
69.1%	0	7	7	
70.4%	0	7	7	
71.6%	0	7	7	
72.8%	0	7	7	
74.1%	0	7	7	
75.3%	0	7	7	
76.5%	0	7	7	
77.8%	0	7	7	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-7a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	913	927	159	9	80	92	303	309	368	795	959	1,091
Difference	913	927	159	9	80	92	303	309	368	795	959	1,091
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	977	1,211	68	4	23	0	0	0	39	753	518	1,218
Difference	977	1,211	68	4	23	0	0	0	39	753	518	1,218
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,004	1,230	73	0	0	0	0	0	135	917	922	1,300
Difference	1,004	1,230	73	0	0	0	0	0	135	917	922	1,300
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	565	635	283	0	122	37	0	0	513	749	1,066	701
Difference	565	635	283	0	122	37	0	0	513	749	1,066	701
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,031	818	219	0	111	83	897	913	747	917	1,396	1,210
Difference	1,031	818	219	0	111	83	897	913	747	917	1,396	1,210
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	912	516	207	54	188	460	728	739	574	633	1,168	884
Difference	912	516	207	54	188	460	728	739	574	633	1,168	884
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

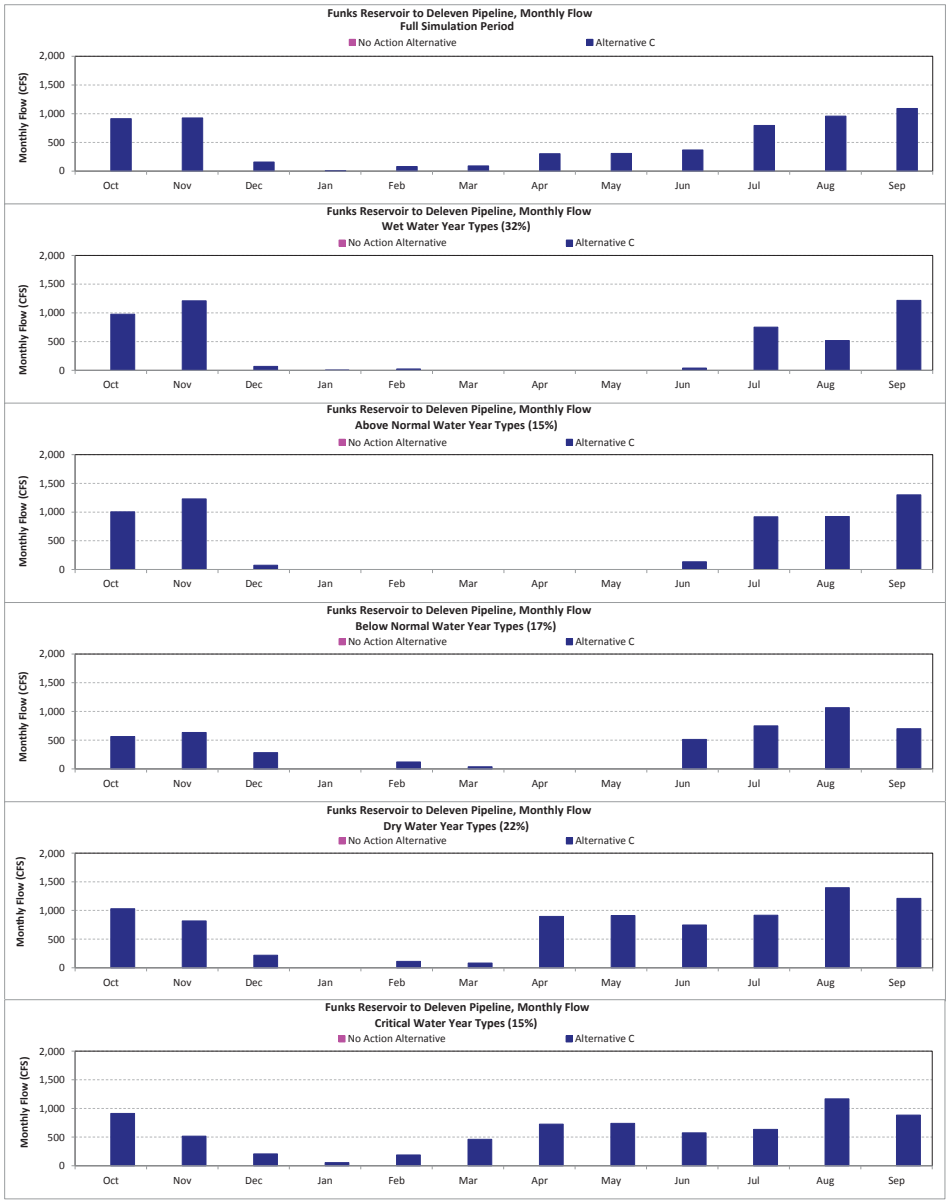

Figure OP-06-7b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

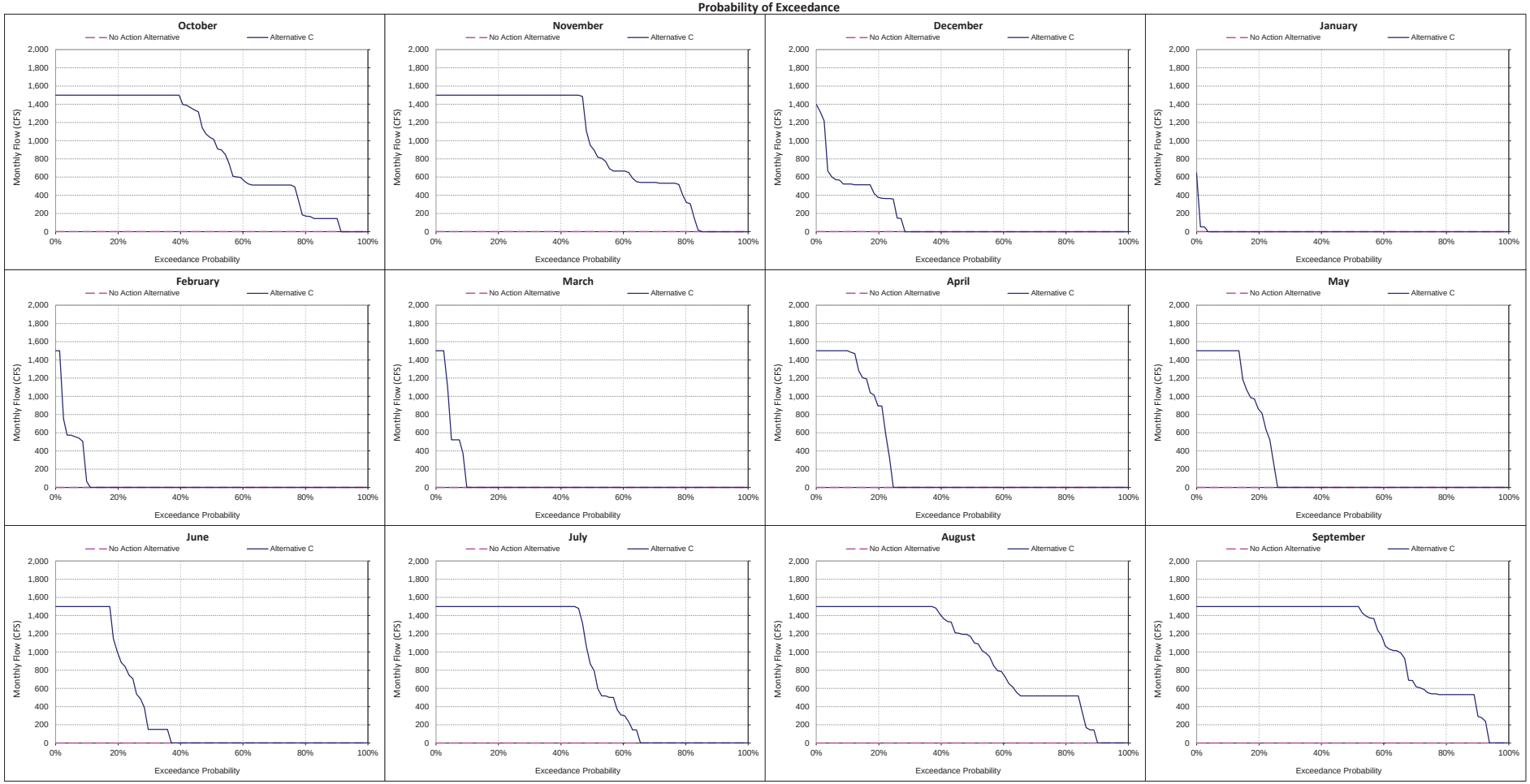

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,396	1,396	
42.0%	0	1,389	1,389	
43.2%	0	1,362	1,362	
44.4%	0	1,338	1,338	
45.7%	0	1,316	1,316	
46.9%	0	1,141	1,141	
48.1%	0	1,075	1,075	
49.4%	0	1,037	1,037	
50.6%	0	1,013	1,013	
51.9%	0	910	910	
53.1%	0	896	896	
54.3%	0	845	845	
55.6%	0	748	748	
56.8%	0	609	609	
58.0%	0	600	600	
59.3%	0	595	595	
60.5%	0	553	553	
61.7%	0	523	523	
63.0%	0	512	512	
64.2%	0	512	512	
65.4%	0	512	512	
66.7%	0	512	512	
67.9%	0	512	512	
69.1%	0	512	512	
70.4%	0	512	512	
71.6%	0	512	512	
72.8%	0	512	512	
74.1%	0	512	512	
75.3%	0	512	512	
76.5%	0	492	492	
77.8%	0	346	346	
79.0%	0	184	184	
80.2%	0	170	170	
81.5%	0	166	166	
82.7%	0	145	145	
84.0%	0	145	145	
85.2%	0	145	145	
86.4%	0	145	145	
87.7%	0	145	145	
88.9%	0	145	145	
90.1%	0	145	145	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,485	1,485	
48.1%	0	1,105	1,105	
49.4%	0	949	949	
50.6%	0	894	894	
51.9%	0	818	818	
53.1%	0	806	806	
54.3%	0	772	772	
55.6%	0	693	693	
56.8%	0	667	667	
58.0%	0	667	667	
59.3%	0	667	667	
60.5%	0	667	667	
61.7%	0	649	649	
63.0%	0	586	586	
64.2%	0	548	548	
65.4%	0	540	540	
66.7%	0	540	540	
67.9%	0	540	540	
69.1%	0	540	540	
70.4%	0	540	540	
71.6%	0	533	533	
72.8%	0	533	533	
74.1%	0	533	533	
75.3%	0	533	533	
76.5%	0	533	533	
77.8%	0	518	518	
79.0%	0	400	400	
80.2%	0	322	322	
81.5%	0	308	308	
82.7%	0	150	150	
84.0%	0	17	17	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,396	1,396	
1.2%	0	1,317	1,317	
2.5%	0	1,219	1,219	
3.7%	0	667	667	
4.9%	0	602	602	
6.2%	0	572	572	
7.4%	0	566	566	
8.6%	0	523	523	
9.9%	0	523	523	
11.1%	0	523	523	
12.3%	0	516	516	
13.6%	0	516	516	
14.8%	0	516	516	
16.0%	0	516	516	
17.3%	0	516	516	
18.5%	0	420	420	
19.8%	0	377	377	
21.0%	0	366	366	
22.2%	0	363	363	
23.5%	0	363	363	
24.7%	0	358	358	
25.9%	0	151	151	
27.2%	0	145	145	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	647	647	
1.2%	0	54	54	
2.5%	0	53	53	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	754	754	
3.7%	0	575	575	
4.9%	0	575	575	
6.2%	0	555	555	
7.4%	0	542	542	
8.6%	0	506	506	
9.9%	0	66	66	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,103	1,103	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	521	521	
8.6%	0	377	377	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,485	1,485	
12.3%	0	1,470	1,470	
13.6%	0	1,282	1,282	
14.8%	0	1,203	1,203	
16.0%	0	1,192	1,192	
17.3%	0	1,041	1,041	
18.5%	0	1,013	1,013	
19.8%	0	895	895	
21.0%	0	894	894	
22.2%	0	582	582	
23.5%	0	317	317	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,185	1,185	
16.0%	0	1,069	1,069	
17.3%	0	988	988	
18.5%	0	969	969	
19.8%	0	865	865	
21.0%	0	813	813	
22.2%	0	637	637	
23.5%	0	523	523	
24.7%	0	259	259	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-7b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,145	1,145	
19.8%	0	1,001	1,001	
21.0%	0	886	886	
22.2%	0	839	839	
23.5%	0	745	745	
24.7%	0	707	707	
25.9%	0	538	538	
27.2%	0	486	486	
28.4%	0	393	393	
29.6%	0	150	150	
30.9%	0	150	150	
32.1%	0	150	150	
33.3%	0	150	150	
34.6%	0	150	150	
35.8%	0	150	150	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,480	1,480	
46.9%	0	1,319	1,319	
48.1%	0	1,061	1,061	
49.4%	0	869	869	
50.6%	0	793	793	
51.9%	0	599	599	
53.1%	0	519	519	
54.3%	0	519	519	
55.6%	0	500	500	
56.8%	0	500	500	
58.0%	0	365	365	
59.3%	0	309	309	
60.5%	0	298	298	
61.7%	0	232	232	
63.0%	0	145	145	
64.2%	0	145	145	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,483	1,483	
39.5%	0	1,422	1,422	
40.7%	0	1,369	1,369	
42.0%	0	1,336	1,336	
43.2%	0	1,328	1,328	
44.4%	0	1,212	1,212	
45.7%	0	1,206	1,206	
46.9%	0	1,195	1,195	
48.1%	0	1,193	1,193	
49.4%	0	1,172	1,172	
50.6%	0	1,101	1,101	
51.9%	0	1,088	1,088	
53.1%	0	1,014	1,014	
54.3%	0	989	989	
55.6%	0	945	945	
56.8%	0	853	853	
58.0%	0	795	795	
59.3%	0	785	785	
60.5%	0	730	730	
61.7%	0	653	653	
63.0%	0	615	615	
64.2%	0	556	556	
65.4%	0	517	517	
66.7%	0	517	517	
67.9%	0	517	517	
69.1%	0	517	517	
70.4%	0	517	517	
71.6%	0	517	517	
72.8%	0	517	517	
74.1%	0	517	517	
75.3%	0	517	517	
76.5%	0	517	517	
77.8%	0	517	517	
79.0%	0	517	517	
80.2%	0	517	517	
81.5%	0	517	517	
82.7%	0	517	517	
84.0%	0	517	517	
85.2%	0	341	341	
86.4%	0	169	169	
87.7%	0	145	145	
88.9%	0	145	145	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,428	1,428	
54.3%	0	1,394	1,394	
55.6%	0	1,373	1,373	
56.8%	0	1,368	1,368	
58.0%	0	1,240	1,240	
59.3%	0	1,177	1,177	
60.5%	0	1,062	1,062	
61.7%	0	1,033	1,033	
63.0%	0	1,016	1,016	
64.2%	0	1,015	1,015	
65.4%	0	988	988	
66.7%	0	927	927	
67.9%	0	690	690	
69.1%	0	686	686	
70.4%	0	618	618	
71.6%	0	606	606	
72.8%	0	589	589	
74.1%	0	552	552	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	533	533	
79.0%	0	533	533	
80.2%	0	533	533	
81.5%	0	533	533	
82.7%	0	533	533	
84.0%	0	533	533	
85.2%	0	533	533	
86.4%	0	533	533	
87.7%	0	533	533	
88.9%	0	533	533	
90.1%	0	291	291	
91.4%	0	277	277	
92.6%	0	239	239	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-7a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,066	997	175	9	80	92	415	487	911	1,650	1,341	1,264
Difference	1,066	997	175	9	80	92	415	487	911	1,650	1,341	1,264
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,305	1,361	111	4	24	0	42	77	316	1,921	756	1,579
Difference	1,305	1,361	111	4	24	0	42	77	316	1,921	756	1,579
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,054	1,274	87	0	0	0	0	215	897	1,927	1,402	1,480
Difference	1,054	1,274	87	0	0	0	0	215	897	1,927	1,402	1,480
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	680	663	284	0	123	37	0	259	1,119	1,642	1,793	797
Difference	680	663	284	0	123	37	0	259	1,119	1,642	1,793	797
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,133	860	220	0	112	83	1,049	1,105	1,505	1,588	1,888	1,282
Difference	1,133	860	220	0	112	83	1,049	1,105	1,505	1,588	1,888	1,282
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	913	530	208	54	188	461	1,175	984	1,080	889	1,202	885
Difference	913	530	208	54	188	461	1,175	984	1,080	889	1,202	885
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

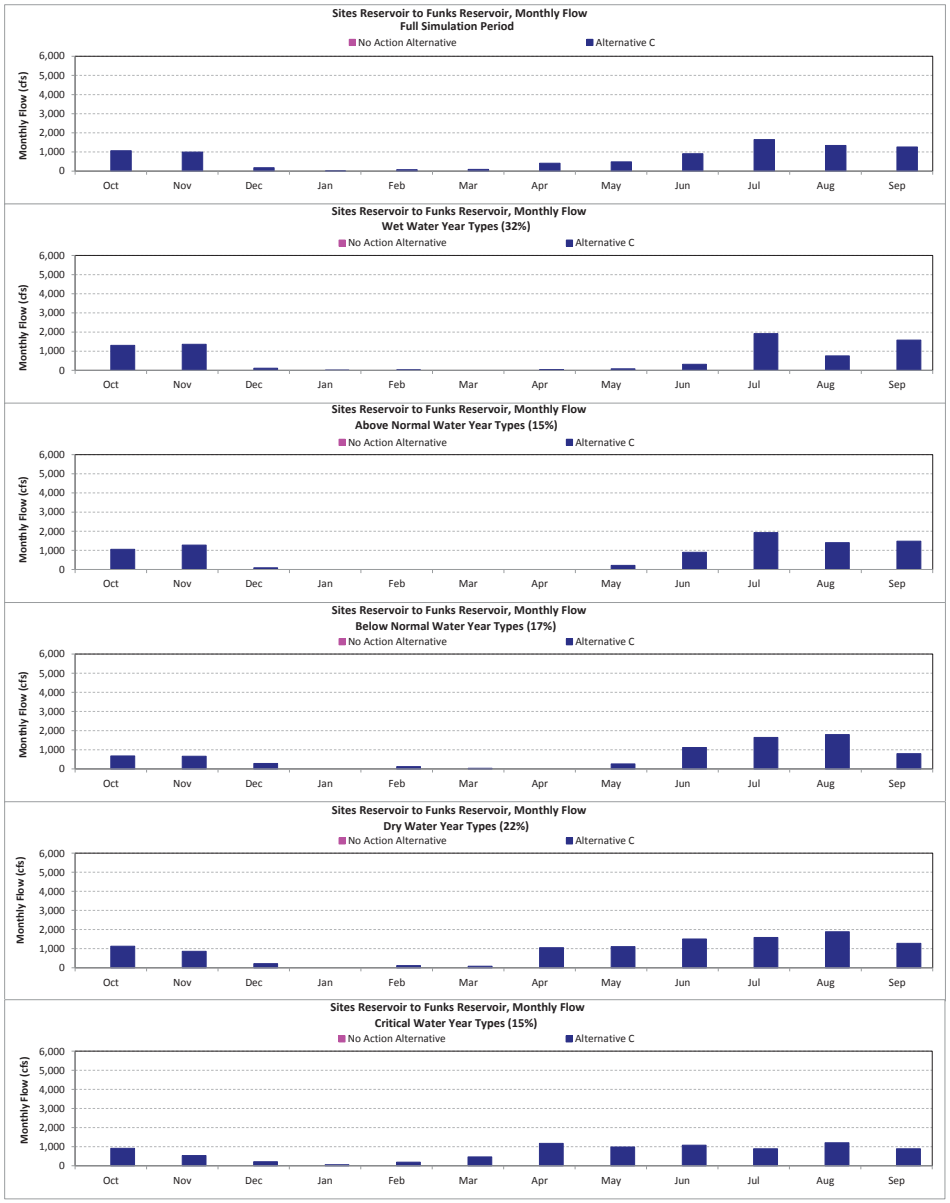

Figure OP-07-7b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

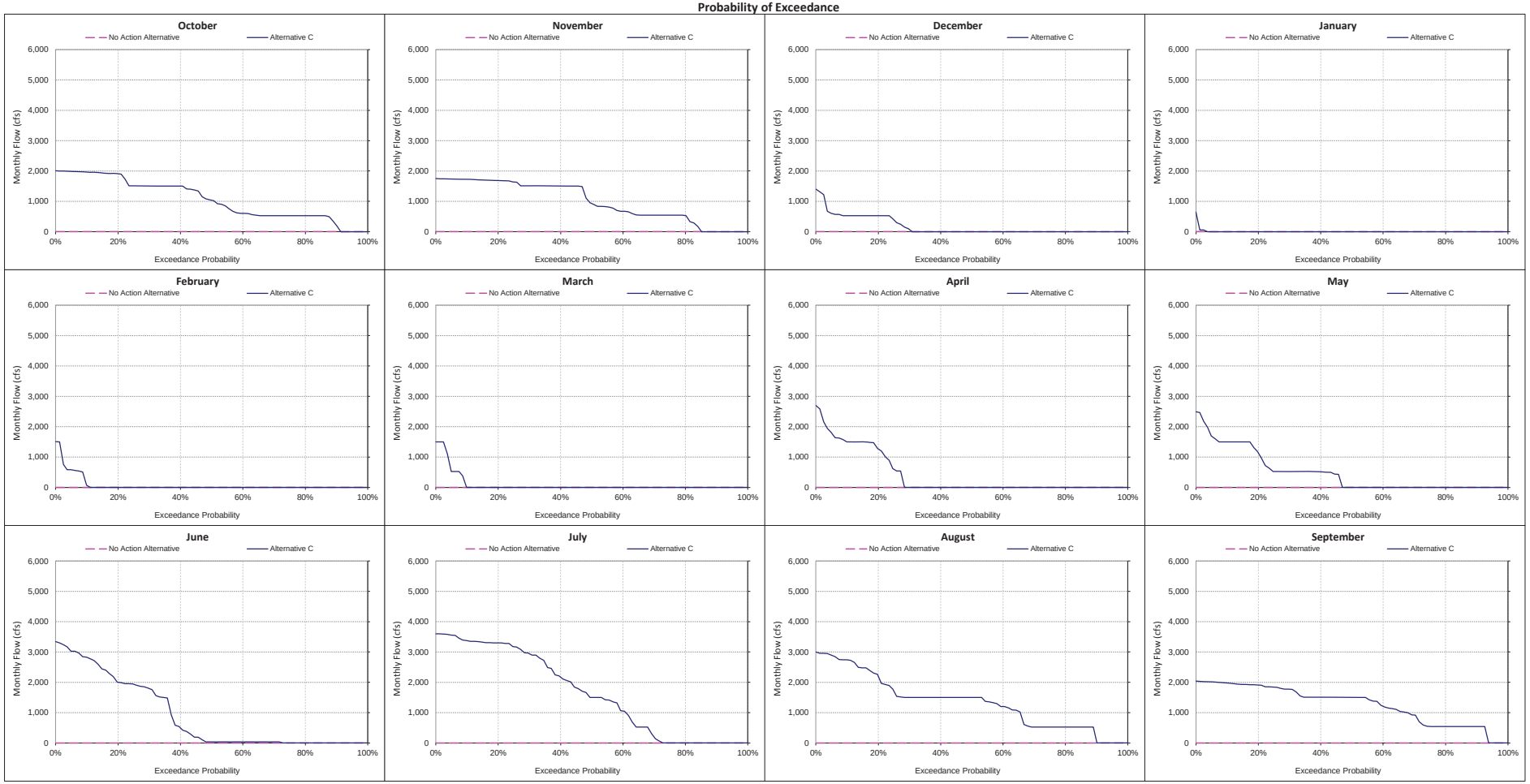

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,011	2,011	
1.2%	0	1,998	1,998	
2.5%	0	1,997	1,997	
3.7%	0	1,991	1,991	
4.9%	0	1,987	1,987	
6.2%	0	1,981	1,981	
7.4%	0	1,978	1,978	
8.6%	0	1,975	1,975	
9.9%	0	1,965	1,965	
11.1%	0	1,954	1,954	
12.3%	0	1,953	1,953	
13.6%	0	1,953	1,953	
14.8%	0	1,932	1,932	
16.0%	0	1,926	1,926	
17.3%	0	1,924	1,924	
18.5%	0	1,918	1,918	
19.8%	0	1,914	1,914	
21.0%	0	1,901	1,901	
22.2%	0	1,730	1,730	
23.5%	0	1,510	1,510	
24.7%	0	1,510	1,510	
25.9%	0	1,510	1,510	
27.2%	0	1,510	1,510	
28.4%	0	1,510	1,510	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,406	1,406	
43.2%	0	1,399	1,399	
44.4%	0	1,372	1,372	
45.7%	0	1,338	1,338	
46.9%	0	1,152	1,152	
48.1%	0	1,085	1,085	
49.4%	0	1,048	1,048	
50.6%	0	1,024	1,024	
51.9%	0	920	920	
53.1%	0	907	907	
54.3%	0	855	855	
55.6%	0	759	759	
56.8%	0	676	676	
58.0%	0	619	619	
59.3%	0	605	605	
60.5%	0	600	600	
61.7%	0	595	595	
63.0%	0	563	563	
64.2%	0	546	546	
65.4%	0	524	524	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	523	523	
81.5%	0	523	523	
82.7%	0	523	523	
84.0%	0	523	523	
85.2%	0	523	523	
86.4%	0	523	523	
87.7%	0	492	492	
88.9%	0	346	346	
90.1%	0	184	184	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,750	1,750	
1.2%	0	1,739	1,739	
2.5%	0	1,738	1,738	
3.7%	0	1,737	1,737	
4.9%	0	1,732	1,732	
6.2%	0	1,732	1,732	
7.4%	0	1,730	1,730	
8.6%	0	1,729	1,729	
9.9%	0	1,724	1,724	
11.1%	0	1,723	1,723	
12.3%	0	1,715	1,715	
13.6%	0	1,711	1,711	
14.8%	0	1,703	1,703	
16.0%	0	1,696	1,696	
17.3%	0	1,693	1,693	
18.5%	0	1,693	1,693	
19.8%	0	1,692	1,692	
21.0%	0	1,679	1,679	
22.2%	0	1,677	1,677	
23.5%	0	1,670	1,670	
24.7%	0	1,640	1,640	
25.9%	0	1,633	1,633	
27.2%	0	1,507	1,507	
28.4%	0	1,507	1,507	
29.6%	0	1,507	1,507	
30.9%	0	1,507	1,507	
32.1%	0	1,507	1,507	
33.3%	0	1,507	1,507	
34.6%	0	1,507	1,507	
35.8%	0	1,507	1,507	
37.0%	0	1,507	1,507	
38.3%	0	1,507	1,507	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,485	1,485	
48.1%	0	1,112	1,112	
49.4%	0	956	956	
50.6%	0	894	894	
51.9%	0	837	837	
53.1%	0	837	837	
54.3%	0	826	826	
55.6%	0	806	806	
56.8%	0	772	772	
58.0%	0	700	700	
59.3%	0	674	674	
60.5%	0	674	674	
61.7%	0	657	657	
63.0%	0	593	593	
64.2%	0	556	556	
65.4%	0	540	540	
66.7%	0	540	540	
67.9%	0	540	540	
69.1%	0	540	540	
70.4%	0	540	540	
71.6%	0	540	540	
72.8%	0	540	540	
74.1%	0	540	540	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	525	525	
81.5%	0	330	330	
82.7%	0	290	290	
84.0%	0	173	173	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,403	1,403	
1.2%	0	1,317	1,317	
2.5%	0	1,219	1,219	
3.7%	0	674	674	
4.9%	0	602	602	
6.2%	0	572	572	
7.4%	0	566	566	
8.6%	0	523	523	
9.9%	0	523	523	
11.1%	0	523	523	
12.3%	0	523	523	
13.6%	0	523	523	
14.8%	0	523	523	
16.0%	0	523	523	
17.3%	0	523	523	
18.5%	0	523	523	
19.8%	0	523	523	
21.0%	0	523	523	
22.2%	0	523	523	
23.5%	0	523	523	
24.7%	0	427	427	
25.9%	0	297	297	
27.2%	0	248	248	
28.4%	0	151	151	
29.6%	0	98	98	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	647	647	
1.2%	0	58	58	
2.5%	0	57	57	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,504	1,504	
1.2%	0	1,500	1,500	
2.5%	0	754	754	
3.7%	0	579	579	
4.9%	0	579	579	
6.2%	0	559	559	
7.4%	0	542	542	
8.6%	0	509	509	
9.9%	0	70	70	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,501	1,501	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,103	1,103	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	523	523	
8.6%	0	378	378	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,697	2,697	
1.2%	0	2,582	2,582	
2.5%	0	2,154	2,154	
3.7%	0	1,944	1,944	
4.9%	0	1,806	1,806	
6.2%	0	1,634	1,634	
7.4%	0	1,624	1,624	
8.6%	0	1,571	1,571	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,485	1,485	
18.5%	0	1,470	1,470	
19.8%	0	1,282	1,282	
21.0%	0	1,203	1,203	
22.2%	0	1,013	1,013	
23.5%	0	894	894	
24.7%	0	620	620	
25.9%	0	540	540	
27.2%	0	540	540	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,493	2,493	
1.2%	0	2,466	2,466	
2.5%	0	2,177	2,177	
3.7%	0	1,981	1,981	
4.9%	0	1,699	1,699	
6.2%	0	1,600	1,600	
7.4%	0	1,501	1,501	
8.6%	0	1,501	1,501	
9.9%	0	1,501	1,501	
11.1%	0	1,501	1,501	
12.3%	0	1,501	1,501	
13.6%	0	1,501	1,501	
14.8%	0	1,501	1,501	
16.0%	0	1,501	1,501	
17.3%	0	1,501	1,501	
18.5%	0	1,306	1,306	
19.8%	0	1,185	1,185	
21.0%	0	969	969	
22.2%	0	716	716	
23.5%	0	638	638	
24.7%	0	523	523	
25.9%	0	523	523	
27.2%	0	523	523	
28.4%	0	523	523	
29.6%	0	523	523	
30.9%	0	523	523	
32.1%	0	523	523	
33.3%	0	523	523	
34.6%	0	523	523	
35.8%	0	523	523	
37.0%	0	523	523	
38.3%	0	523	523	
39.5%	0	523	523	
40.7%	0	507	507	
42.0%	0	501	501	
43.2%	0	493	493	
44.4%	0	438	438	
45.7%	0	431	431	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-7b

Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,339	3,339	
1.2%	0	3,295	3,295	
2.5%	0	3,237	3,237	
3.7%	0	3,171	3,171	
4.9%	0	3,028	3,028	
6.2%	0	3,027	3,027	
7.4%	0	2,966	2,966	
8.6%	0	2,849	2,849	
9.9%	0	2,829	2,829	
11.1%	0	2,781	2,781	
12.3%	0	2,720	2,720	
13.6%	0	2,597	2,597	
14.8%	0	2,448	2,448	
16.0%	0	2,400	2,400	
17.3%	0	2,281	2,281	
18.5%	0	2,190	2,190	
19.8%	0	2,005	2,005	
21.0%	0	1,989	1,989	
22.2%	0	1,953	1,953	
23.5%	0	1,953	1,953	
24.7%	0	1,943	1,943	
25.9%	0	1,903	1,903	
27.2%	0	1,871	1,871	
28.4%	0	1,851	1,851	
29.6%	0	1,813	1,813	
30.9%	0	1,761	1,761	
32.1%	0	1,561	1,561	
33.3%	0	1,516	1,516	
34.6%	0	1,500	1,500	
35.8%	0	1,485	1,485	
37.0%	0	928	928	
38.3%	0	583	583	
39.5%	0	540	540	
40.7%	0	421	421	
42.0%	0	384	384	
43.2%	0	297	297	
44.4%	0	190	190	
45.7%	0	188	188	
46.9%	0	106	106	
48.1%	0	40	40	
49.4%	0	40	40	
50.6%	0	40	40	
51.9%	0	40	40	
53.1%	0	40	40	
54.3%	0	40	40	
55.6%	0	40	40	
56.8%	0	40	40	
58.0%	0	40	40	
59.3%	0	40	40	
60.5%	0	40	40	
61.7%	0	40	40	
63.0%	0	40	40	
64.2%	0	40	40	
65.4%	0	40	40	
66.7%	0	40	40	
67.9%	0	40	40	
69.1%	0	40	40	
70.4%	0	40	40	
71.6%	0	40	40	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,599	3,599	
1.2%	0	3,599	3,599	
2.5%	0	3,595	3,595	
3.7%	0	3,586	3,586	
4.9%	0	3,557	3,557	
6.2%	0	3,549	3,549	
7.4%	0	3,456	3,456	
8.6%	0	3,397	3,397	
9.9%	0	3,377	3,377	
11.1%	0	3,347	3,347	
12.3%	0	3,347	3,347	
13.6%	0	3,338	3,338	
14.8%	0	3,322	3,322	
16.0%	0	3,308	3,308	
17.3%	0	3,306	3,306	
18.5%	0	3,303	3,303	
19.8%	0	3,302	3,302	
21.0%	0	3,297	3,297	
22.2%	0	3,279	3,279	
23.5%	0	3,279	3,279	
24.7%	0	3,182	3,182	
25.9%	0	3,162	3,162	
27.2%	0	3,085	3,085	
28.4%	0	2,975	2,975	
29.6%	0	2,961	2,961	
30.9%	0	2,900	2,900	
32.1%	0	2,895	2,895	
33.3%	0	2,795	2,795	
34.6%	0	2,727	2,727	
35.8%	0	2,489	2,489	
37.0%	0	2,463	2,463	
38.3%	0	2,246	2,246	
39.5%	0	2,210	2,210	
40.7%	0	2,109	2,109	
42.0%	0	2,058	2,058	
43.2%	0	2,018	2,018	
44.4%	0	1,841	1,841	
45.7%	0	1,792	1,792	
46.9%	0	1,706	1,706	
48.1%	0	1,664	1,664	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,500	1,500	
54.3%	0	1,426	1,426	
55.6%	0	1,414	1,414	
56.8%	0	1,360	1,360	
58.0%	0	1,323	1,323	
59.3%	0	1,061	1,061	
60.5%	0	1,044	1,044	
61.7%	0	907	907	
63.0%	0	684	684	
64.2%	0	523	523	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	309	309	
70.4%	0	136	136	
71.6%	0	67	67	
72.8%	0	4	4	
74.1%	0	4	4	
75.3%	0	4	4	
76.5%	0	4	4	
77.8%	0	4	4	
79.0%	0	4	4	
80.2%	0	4	4	
81.5%	0	4	4	
82.7%	0	4	4	
84.0%	0	4	4	
85.2%	0	4	4	
86.4%	0	4	4	
87.7%	0	4	4	
88.9%	0	4	4	
90.1%	0	4	4	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,001	3,001	
1.2%	0	2,956	2,956	
2.5%	0	2,954	2,954	
3.7%	0	2,951	2,951	
4.9%	0	2,894	2,894	
6.2%	0	2,842	2,842	
7.4%	0	2,754	2,754	
8.6%	0	2,744	2,744	
9.9%	0	2,741	2,741	
11.1%	0	2,728	2,728	
12.3%	0	2,657	2,657	
13.6%	0	2,496	2,496	
14.8%	0	2,479	2,479	
16.0%	0	2,475	2,475	
17.3%	0	2,394	2,394	
18.5%	0	2,307	2,307	
19.8%	0	2,263	2,263	
21.0%	0	1,960	1,960	
22.2%	0	1,932	1,932	
23.5%	0	1,897	1,897	
24.7%	0	1,775	1,775	
25.9%	0	1,539	1,539	
27.2%	0	1,516	1,516	
28.4%	0	1,505	1,505	
29.6%	0	1,505	1,505	
30.9%	0	1,505	1,505	
32.1%	0	1,505	1,505	
33.3%	0	1,505	1,505	
34.6%	0	1,505	1,505	
35.8%	0	1,505	1,505	
37.0%	0	1,505	1,505	
38.3%	0	1,505	1,505	
39.5%	0	1,505	1,505	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,500	1,500	
54.3%	0	1,374	1,374	
55.6%	0	1,353	1,353	
56.8%	0	1,333	1,333	
58.0%	0	1,296	1,296	
59.3%	0	1,202	1,202	
60.5%	0	1,200	1,200	
61.7%	0	1,162	1,162	
63.0%	0	1,093	1,093	
64.2%	0	1,084	1,084	
65.4%	0	1,023	1,023	
66.7%	0	615	615	
67.9%	0	561	561	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	523	523	
81.5%	0	523	523	
82.7%	0	523	523	
84.0%	0	523	523	
85.2%	0	523	523	
86.4%	0	523	523	
87.7%	0	523	523	
88.9%	0	523	523	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative C Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,037	2,037	
1.2%	0	2,031	2,031	
2.5%	0	2,024	2,024	
3.7%	0	2,024	2,024	
4.9%	0	2,012	2,012	
6.2%	0	2,008	2,008	
7.4%	0	2,008	2,008	
8.6%	0	1,986	1,986	
9.9%	0	1,975	1,975	
11.1%	0	1,971	1,971	
12.3%	0	1,952	1,952	
13.6%	0	1,941	1,941	
14.8%	0	1,932	1,932	
16.0%	0	1,930	1,930	
17.3%	0	1,922	1,922	
18.5%	0	1,920	1,920	
19.8%	0	1,909	1,909	
21.0%	0	1,903	1,903	
22.2%	0	1,850	1,850	
23.5%	0	1,849	1,849	
24.7%	0	1,840	1,840	
25.9%	0	1,839	1,839	
27.2%	0	1,799	1,799	
28.4%	0	1,774	1,774	
29.6%	0	1,772	1,772	
30.9%	0	1,765	1,765	
32.1%	0	1,678	1,678	
33.3%	0	1,554	1,554	
34.6%	0	1,507	1,507	
35.8%	0	1,507	1,507	
37.0%	0	1,507	1,507	
38.3%	0	1,507	1,507	
39.5%	0	1,507	1,507	
40.7%	0	1,507	1,507	
42.0%	0	1,507	1,507	
43.2%	0	1,507	1,507	
44.4%	0	1,507	1,507	
45.7%	0	1,507	1,507	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,500	1,500	
54.3%	0	1,500	1,500	
55.6%	0	1,428	1,428	
56.8%	0	1,380	1,380	
58.0%	0	1,375	1,375	
59.3%	0	1,248	1,248	
60.5%	0	1,184	1,184	
61.7%	0	1,151	1,151	
63.0%	0	1,136	1,136	
64.2%	0	1,109	1,109	
65.4%	0	1,040	1,040	
66.7%	0	1,022	1,022	
67.9%	0	995	995	
69.1%	0	927	927	
70.4%	0	923	923	
71.6%	0	697	697	
72.8%	0	597	597	
74.1%	0	552	552	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	540	540	
81.5%	0	540	540	
82.7%	0	540	540	
84.0%	0	540	540	
85.2%	0	540	540	
86.4%	0	540	540	
87.7%	0	540	540	
88.9%	0	540	540	
90.1%	0	540	540	
91.4%	0	540	540	
92.6%	0	540	540	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-7a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	58	78	649	480	0	0
Difference	0	0	0	0	0	0	58	78	649	480	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	721	153	0	0
Difference	0	0	0	0	0	0	0	0	721	153	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	788	636	0	0
Difference	0	0	0	0	0	0	0	0	788	636	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	0	0	453	780	0	0
Difference	0	0	0	0	0	0	0	0	453	780	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	22	148	542	573	0	0
Difference	0	0	0	0	0	0	22	148	542	573	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	0	0	0	0	0	0	365	311	742	541	0	0
Difference	0	0	0	0	0	0	365	311	742	541	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

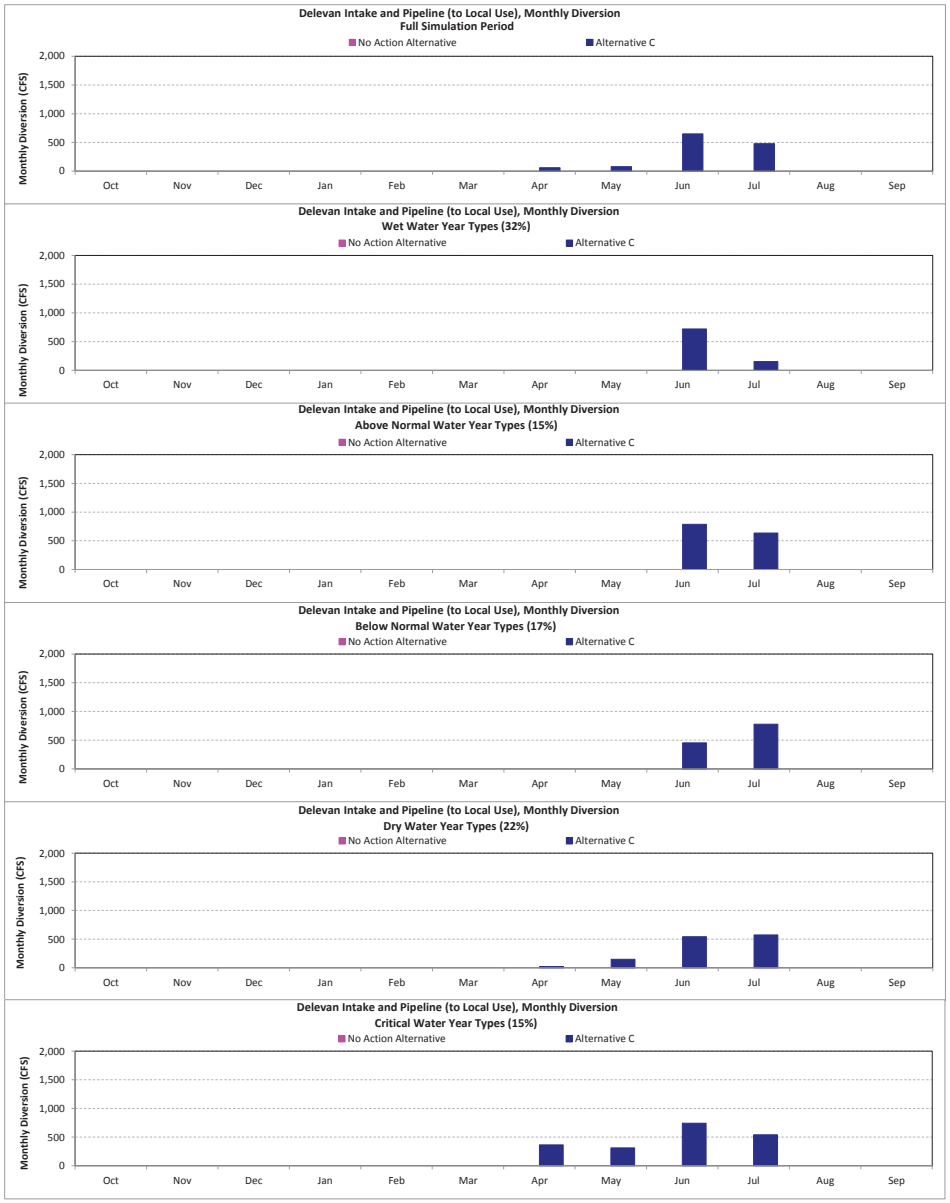

Figure OP-08-7b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

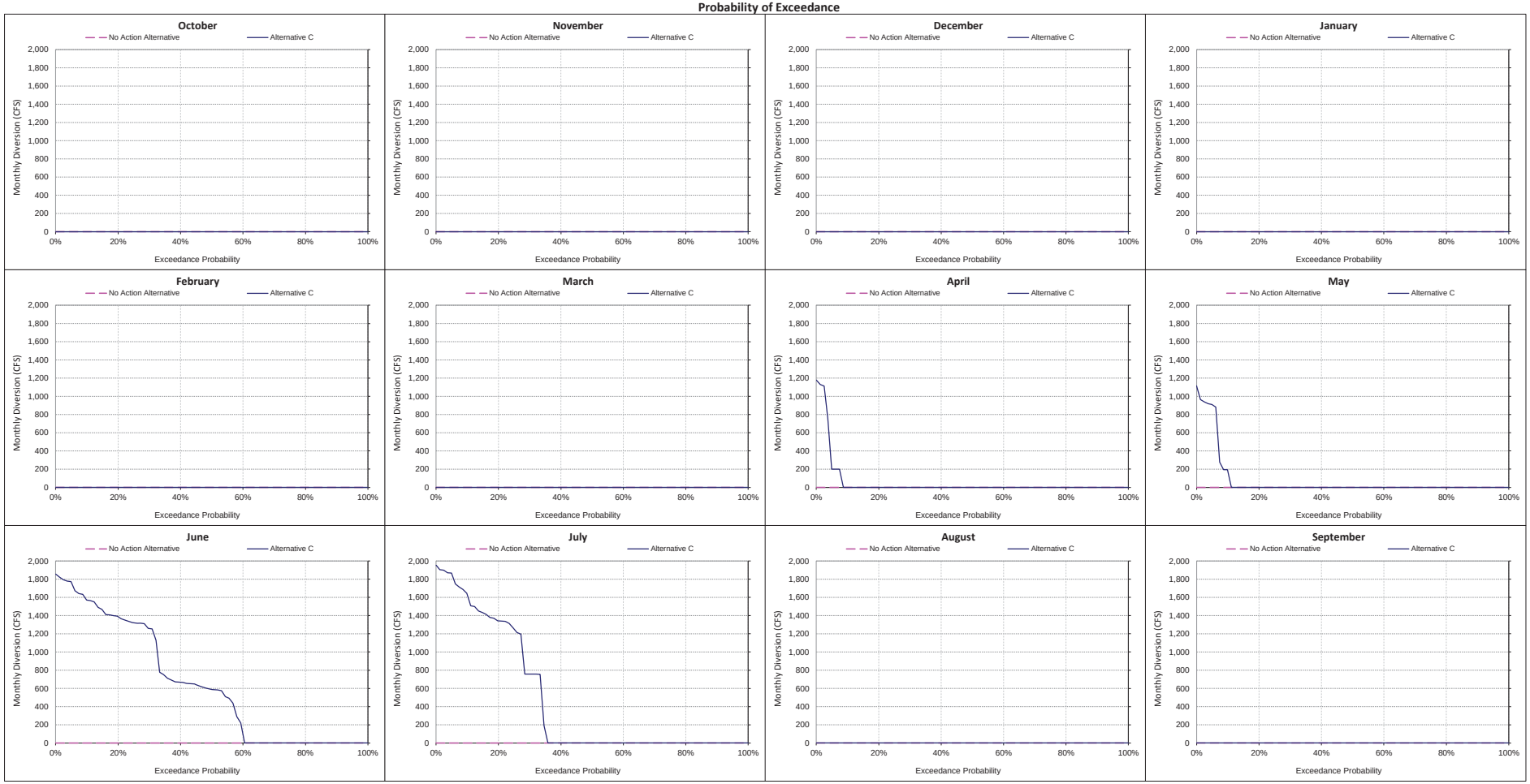

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,178	1,178	
1.2%	0	1,129	1,129	
2.5%	0	1,112	1,112	
3.7%	0	759	759	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,117	1,117	
1.2%	0	965	965	
2.5%	0	937	937	
3.7%	0	918	918	
4.9%	0	911	911	
6.2%	0	883	883	
7.4%	0	277	277	
8.6%	0	194	194	
9.9%	0	194	194	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-7b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,855	1,855	
1.2%	0	1,821	1,821	
2.5%	0	1,793	1,793	
3.7%	0	1,779	1,779	
4.9%	0	1,772	1,772	
6.2%	0	1,673	1,673	
7.4%	0	1,643	1,643	
8.6%	0	1,634	1,634	
9.9%	0	1,571	1,571	
11.1%	0	1,566	1,566	
12.3%	0	1,551	1,551	
13.6%	0	1,492	1,492	
14.8%	0	1,467	1,467	
16.0%	0	1,411	1,411	
17.3%	0	1,408	1,408	
18.5%	0	1,399	1,399	
19.8%	0	1,393	1,393	
21.0%	0	1,364	1,364	
22.2%	0	1,350	1,350	
23.5%	0	1,333	1,333	
24.7%	0	1,323	1,323	
25.9%	0	1,317	1,317	
27.2%	0	1,316	1,316	
28.4%	0	1,310	1,310	
29.6%	0	1,259	1,259	
30.9%	0	1,254	1,254	
32.1%	0	1,127	1,127	
33.3%	0	778	778	
34.6%	0	751	751	
35.8%	0	710	710	
37.0%	0	693	693	
38.3%	0	671	671	
39.5%	0	670	670	
40.7%	0	666	666	
42.0%	0	656	656	
43.2%	0	651	651	
44.4%	0	648	648	
45.7%	0	628	628	
46.9%	0	617	617	
48.1%	0	603	603	
49.4%	0	591	591	
50.6%	0	586	586	
51.9%	0	582	582	
53.1%	0	576	576	
54.3%	0	508	508	
55.6%	0	492	492	
56.8%	0	439	439	
58.0%	0	289	289	
59.3%	0	220	220	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,952	1,952	
1.2%	0	1,904	1,904	
2.5%	0	1,899	1,899	
3.7%	0	1,872	1,872	
4.9%	0	1,867	1,867	
6.2%	0	1,748	1,748	
7.4%	0	1,713	1,713	
8.6%	0	1,689	1,689	
9.9%	0	1,644	1,644	
11.1%	0	1,507	1,507	
12.3%	0	1,498	1,498	
13.6%	0	1,451	1,451	
14.8%	0	1,434	1,434	
16.0%	0	1,415	1,415	
17.3%	0	1,380	1,380	
18.5%	0	1,371	1,371	
19.8%	0	1,342	1,342	
21.0%	0	1,339	1,339	
22.2%	0	1,337	1,337	
23.5%	0	1,313	1,313	
24.7%	0	1,267	1,267	
25.9%	0	1,213	1,213	
27.2%	0	1,196	1,196	
28.4%	0	756	756	
29.6%	0	756	756	
30.9%	0	756	756	
32.1%	0	756	756	
33.3%	0	754	754	
34.6%	0	194	194	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-09-7a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,049	1,004	1,084	1,220	1,349	1,463	1,465	1,441	1,386	1,276	1,192	1,114
Difference	1,049	1,004	1,084	1,220	1,349	1,463	1,465	1,441	1,386	1,276	1,192	1,114
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,432	1,366	1,476	1,581	1,705	1,775	1,793	1,795	1,769	1,643	1,603	1,508
Difference	1,432	1,366	1,476	1,581	1,705	1,775	1,793	1,795	1,769	1,643	1,603	1,508
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,255	1,208	1,336	1,228	1,431	1,605	1,660	1,674	1,632	1,504	1,410	1,317
Difference	1,255	1,208	1,336	1,228	1,431	1,605	1,660	1,674	1,632	1,504	1,410	1,317
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	1,076	1,044	1,115	1,149	1,275	1,421	1,466	1,459	1,398	1,288	1,171	1,119
Difference	1,076	1,044	1,115	1,149	1,275	1,421	1,466	1,459	1,398	1,288	1,171	1,119
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	794	757	798	1,093	1,223	1,379	1,341	1,268	1,172	1,067	944	865
Difference	794	757	798	1,093	1,223	1,379	1,341	1,268	1,172	1,067	944	865
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	368	340	374	706	769	817	747	683	615	554	478	423
Difference	368	340	374	706	769	817	747	683	615	554	478	423
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

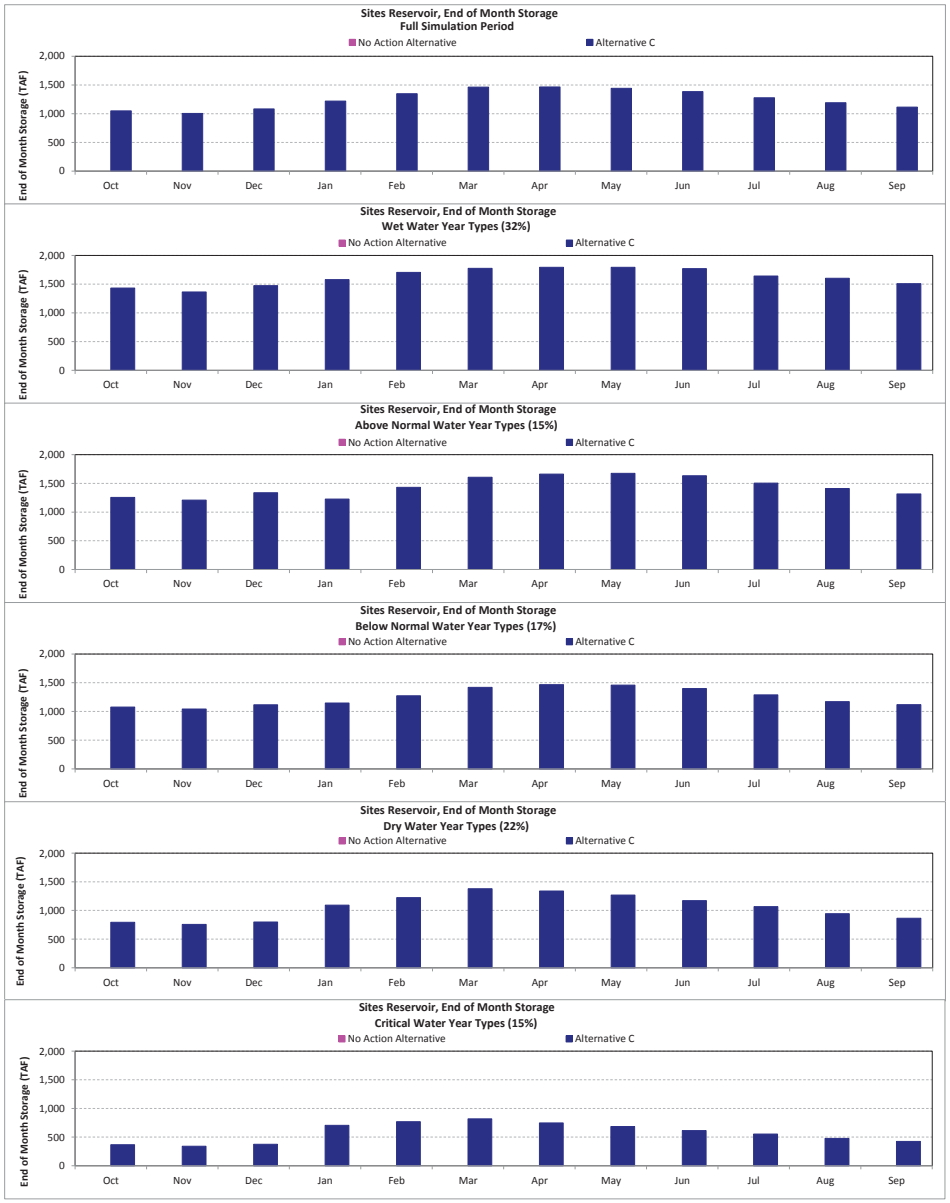

Figure OP-09-7b
Sites Reservoir, End of Month Storage
Probability of Exceedance

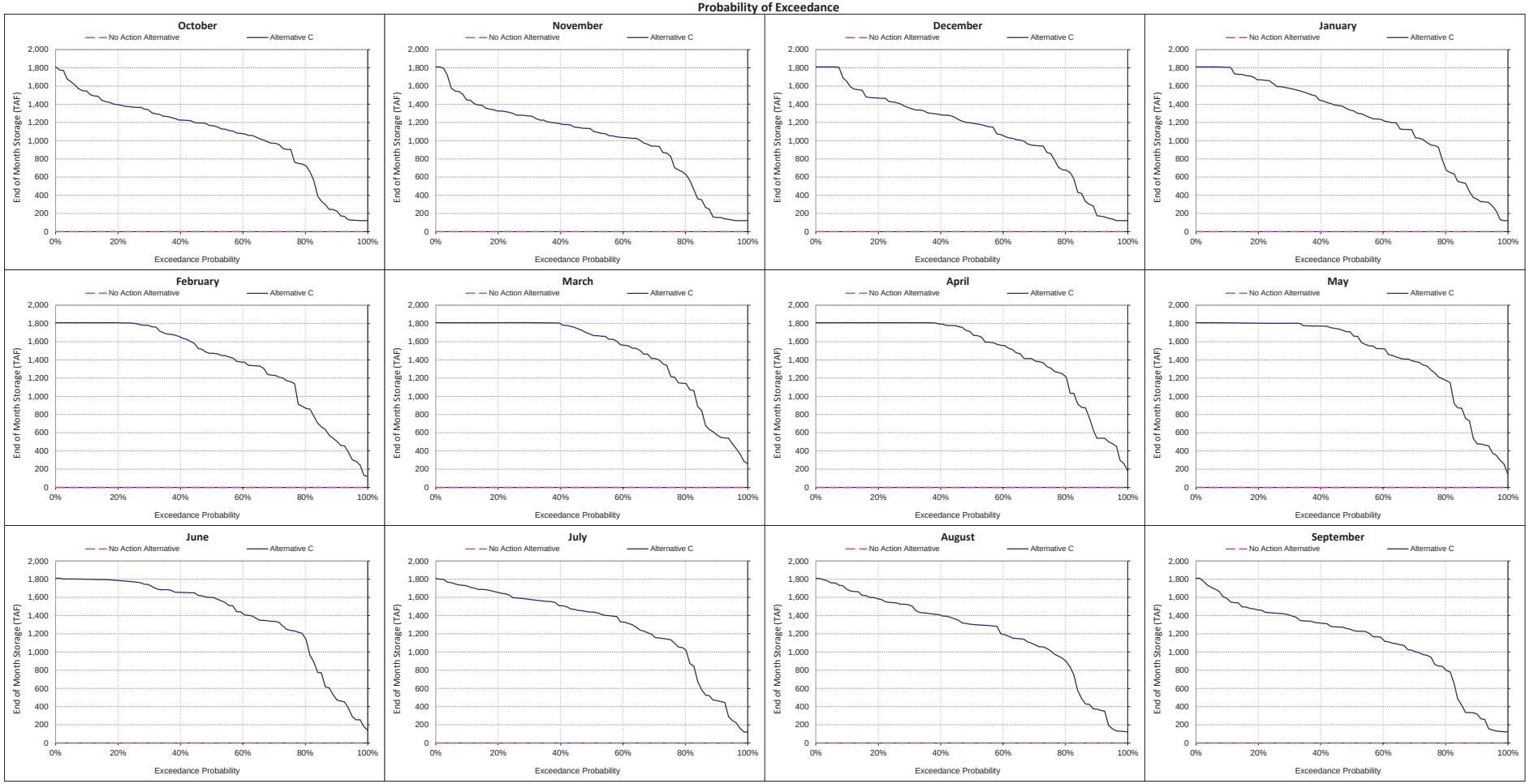

Table OP-09-7b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,776	1,776	
2.5%	0	1,772	1,772	
3.7%	0	1,676	1,676	
4.9%	0	1,647	1,647	
6.2%	0	1,611	1,611	
7.4%	0	1,569	1,569	
8.6%	0	1,548	1,548	
9.9%	0	1,544	1,544	
11.1%	0	1,506	1,506	
12.3%	0	1,490	1,490	
13.6%	0	1,488	1,488	
14.8%	0	1,442	1,442	
16.0%	0	1,427	1,427	
17.3%	0	1,420	1,420	
18.5%	0	1,404	1,404	
19.8%	0	1,397	1,397	
21.0%	0	1,388	1,388	
22.2%	0	1,378	1,378	
23.5%	0	1,375	1,375	
24.7%	0	1,369	1,369	
25.9%	0	1,367	1,367	
27.2%	0	1,365	1,365	
28.4%	0	1,348	1,348	
29.6%	0	1,340	1,340	
30.9%	0	1,306	1,306	
32.1%	0	1,295	1,295	
33.3%	0	1,288	1,288	
34.6%	0	1,269	1,269	
35.8%	0	1,266	1,266	
37.0%	0	1,256	1,256	
38.3%	0	1,242	1,242	
39.5%	0	1,225	1,225	
40.7%	0	1,225	1,225	
42.0%	0	1,223	1,223	
43.2%	0	1,220	1,220	
44.4%	0	1,199	1,199	
45.7%	0	1,195	1,195	
46.9%	0	1,195	1,195	
48.1%	0	1,188	1,188	
49.4%	0	1,165	1,165	
50.6%	0	1,164	1,164	
51.9%	0	1,152	1,152	
53.1%	0	1,129	1,129	
54.3%	0	1,126	1,126	
55.6%	0	1,113	1,113	
56.8%	0	1,105	1,105	
58.0%	0	1,084	1,084	
59.3%	0	1,079	1,079	
60.5%	0	1,074	1,074	
61.7%	0	1,057	1,057	
63.0%	0	1,057	1,057	
64.2%	0	1,039	1,039	
65.4%	0	1,019	1,019	
66.7%	0	1,005	1,005	
67.9%	0	986	986	
69.1%	0	971	971	
70.4%	0	971	971	
71.6%	0	957	957	
72.8%	0	914	914	
74.1%	0	903	903	
75.3%	0	903	903	
76.5%	0	764	764	
77.8%	0	749	749	
79.0%	0	745	745	
80.2%	0	724	724	
81.5%	0	658	658	
82.7%	0	562	562	
84.0%	0	390	390	
85.2%	0	336	336	
86.4%	0	298	298	
87.7%	0	243	243	
88.9%	0	243	243	
90.1%	0	225	225	
91.4%	0	174	174	
92.6%	0	166	166	
93.8%	0	130	130	
95.1%	0	127	127	
96.3%	0	124	124	
97.5%	0	120	120	
98.8%	0	120	120	
100.0%	0	120	120	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,796	1,796	
3.7%	0	1,719	1,719	
4.9%	0	1,576	1,576	
6.2%	0	1,546	1,546	
7.4%	0	1,539	1,539	
8.6%	0	1,512	1,512	
9.9%	0	1,449	1,449	
11.1%	0	1,443	1,443	
12.3%	0	1,406	1,406	
13.6%	0	1,391	1,391	
14.8%	0	1,390	1,390	
16.0%	0	1,356	1,356	
17.3%	0	1,347	1,347	
18.5%	0	1,341	1,341	
19.8%	0	1,326	1,326	
21.0%	0	1,326	1,326	
22.2%	0	1,320	1,320	
23.5%	0	1,311	1,311	
24.7%	0	1,301	1,301	
25.9%	0	1,280	1,280	
27.2%	0	1,280	1,280	
28.4%	0	1,276	1,276	
29.6%	0	1,270	1,270	
30.9%	0	1,270	1,270	
32.1%	0	1,243	1,243	
33.3%	0	1,227	1,227	
34.6%	0	1,226	1,226	
35.8%	0	1,205	1,205	
37.0%	0	1,201	1,201	
38.3%	0	1,194	1,194	
39.5%	0	1,190	1,190	
40.7%	0	1,178	1,178	
42.0%	0	1,178	1,178	
43.2%	0	1,171	1,171	
44.4%	0	1,147	1,147	
45.7%	0	1,145	1,145	
46.9%	0	1,138	1,138	
48.1%	0	1,136	1,136	
49.4%	0	1,135	1,135	
50.6%	0	1,101	1,101	
51.9%	0	1,092	1,092	
53.1%	0	1,081	1,081	
54.3%	0	1,077	1,077	
55.6%	0	1,054	1,054	
56.8%	0	1,051	1,051	
58.0%	0	1,041	1,041	
59.3%	0	1,039	1,039	
60.5%	0	1,034	1,034	
61.7%	0	1,028	1,028	
63.0%	0	1,027	1,027	
64.2%	0	1,026	1,026	
65.4%	0	1,002	1,002	
66.7%	0	975	975	
67.9%	0	959	959	
69.1%	0	941	941	
70.4%	0	940	940	
71.6%	0	935	935	
72.8%	0	870	870	
74.1%	0	864	864	
75.3%	0	826	826	
76.5%	0	703	703	
77.8%	0	678	678	
79.0%	0	657	657	
80.2%	0	627	627	
81.5%	0	560	560	
82.7%	0	460	460	
84.0%	0	360	360	
85.2%	0	349	349	
86.4%	0	267	267	
87.7%	0	248	248	
88.9%	0	160	160	
90.1%	0	155	155	
91.4%	0	155	155	
92.6%	0	143	143	
93.8%	0	136	136	
95.1%	0	128	128	
96.3%	0	121	121	
97.5%	0	121	121	
98.8%	0	120	120	
100.0%	0	120	120	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,806	1,806	
8.6%	0	1,690	1,690	
9.9%	0	1,652	1,652	
11.1%	0	1,591	1,591	
12.3%	0	1,566	1,566	
13.6%	0	1,559	1,559	
14.8%	0	1,555	1,555	
16.0%	0	1,481	1,481	
17.3%	0	1,473	1,473	
18.5%	0	1,472	1,472	
19.8%	0	1,468	1,468	
21.0%	0	1,467	1,467	
22.2%	0	1,466	1,466	
23.5%	0	1,429	1,429	
24.7%	0	1,425	1,425	
25.9%	0	1,416	1,416	
27.2%	0	1,403	1,403	
28.4%	0	1,379	1,379	
29.6%	0	1,363	1,363	
30.9%	0	1,349	1,349	
32.1%	0	1,338	1,338	
33.3%	0	1,337	1,337	
34.6%	0	1,329	1,329	
35.8%	0	1,306	1,306	
37.0%	0	1,299	1,299	
38.3%	0	1,296	1,296	
39.5%	0	1,288	1,288	
40.7%	0	1,281	1,281	
42.0%	0	1,280	1,280	
43.2%	0	1,274	1,274	
44.4%	0	1,256	1,256	
45.7%	0	1,231	1,231	
46.9%	0	1,216	1,216	
48.1%	0	1,199	1,199	
49.4%	0	1,196	1,196	
50.6%	0	1,188	1,188	
51.9%	0	1,183	1,183	
53.1%	0	1,174	1,174	
54.3%	0	1,163	1,163	
55.6%	0	1,152	1,152	
56.8%	0	1,148	1,148	
58.0%	0	1,073	1,073	
59.3%	0	1,067	1,067	
60.5%	0	1,049	1,049	
61.7%	0	1,031	1,031	
63.0%	0	1,027	1,027	
64.2%	0	1,013	1,013	
65.4%	0	1,007	1,007	
66.7%	0	993	993	
67.9%	0	964	964	
69.1%	0	953	953	
70.4%	0	946	946	
71.6%	0	944	944	
72.8%	0	939	939	
74.1%	0	868	868	
75.3%	0	859	859	
76.5%	0	788	788	
77.8%	0	707	707	
79.0%	0	680	680	
80.2%	0	675	675	
81.5%	0	649	649	
82.7%	0	580	580	
84.0%	0	431	431	
85.2%	0	419	419	
86.4%	0	330	330	
87.7%	0	300	300	
88.9%	0	281	281	
90.1%	0	175	175	
91.4%	0	171	171	
92.6%	0	162	162	
93.8%	0	147	147	
95.1%	0	138	138	
96.3%	0	122	122	
97.5%	0	122	122	
98.8%	0	120	120	
100.0%	0	120	120	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,807	1,807	
9.9%	0	1,806	1,806	
11.1%	0	1,806	1,806	
12.3%	0	1,737	1,737	
13.6%	0	1,728	1,728	
14.8%	0	1,728	1,728	
16.0%	0	1,713	1,713	
17.3%	0	1,711	1,711	
18.5%	0	1,697	1,697	
19.8%	0	1,669	1,669	
21.0%	0	1,668	1,668	
22.2%	0	1,663	1,663	
23.5%	0	1,658	1,658	
24.7%	0	1,628	1,628	
25.9%	0	1,594	1,594	
27.2%	0	1,593	1,593	
28.4%	0	1,585	1,585	
29.6%	0	1,578	1,578	
30.9%	0	1,567	1,567	
32.1%	0	1,558	1,558	
33.3%	0	1,544	1,544	
34.6%	0	1,537	1,537	
35.8%	0	1,519	1,519	
37.0%	0	1,501	1,501	
38.3%	0	1,494	1,494	
39.5%	0	1,445	1,445	
40.7%	0	1,437	1,437	
42.0%	0	1,421	1,421	
43.2%	0	1,410	1,410	
44.4%	0	1,390	1,390	
45.7%	0	1,386	1,386	
46.9%	0	1,379	1,379	
48.1%	0	1,354	1,354	
49.4%	0	1,337	1,337	
50.6%	0	1,325	1,325	
51.9%	0	1,299	1,299	
53.1%	0	1,296	1,296	
54.3%	0	1,274	1,274	
55.6%	0	1,257	1,257	
56.8%	0	1,240	1,240	
58.0%	0	1,236	1,236	
59.3%	0	1,234	1,234	
60.5%	0	1,215	1,215	
61.7%	0	1,206	1,206	
63.0%	0	1,198	1,198	
64.2%	0	1,196	1,196	
65.4%	0	1,130	1,130	
66.7%	0	1,124	1,124	
67.9%	0	1,123	1,123	
69.1%	0	1,119	1,119	
70.4%	0	1,031	1,031	
71.6%	0	1,027	1,027	
72.8%	0	1,013	1,013	
74.1%	0	977	977	
75.3%	0	953	953	
76.5%	0	946	946	
77.8%	0	927	927	
79.0%	0	788	788	
80.2%	0	675	675	
81.5%	0	649	649	
82.7%	0	634	634	
84.0%	0	552	552	
85.2%	0	540	540	
86.4%	0	529	529	
87.7%	0	440	440	
88.9%	0	374	374	
90.1%	0	356	356	
91.4%	0	330	330	
92.6%	0	327	327	
93.8%	0	321	321	
95.1%	0	281	281	
96.3%	0	224	224	
97.5%	0	131	131	
98.8%	0	122	122	
100.0%	0	120	120	

Table OP-09-7b

Sites Reservoir, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,806	1,806	
22.2%	0	1,806	1,806	
23.5%	0	1,806	1,806	
24.7%	0	1,803	1,803	
25.9%	0	1,796	1,796	
27.2%	0	1,786	1,786	
28.4%	0	1,780	1,780	
29.6%	0	1,780	1,780	
30.9%	0	1,763	1,763	
32.1%	0	1,761	1,761	
33.3%	0	1,717	1,717	
34.6%	0	1,697	1,697	
35.8%	0	1,683	1,683	
37.0%	0	1,681	1,681	
38.3%	0	1,672	1,672	
39.5%	0	1,657	1,657	
40.7%	0	1,638	1,638	
42.0%	0	1,625	1,625	
43.2%	0	1,605	1,605	
44.4%	0	1,580	1,580	
45.7%	0	1,526	1,526	
46.9%	0	1,515	1,515	
48.1%	0	1,488	1,488	
49.4%	0	1,473	1,473	
50.6%	0	1,471	1,471	
51.9%	0	1,467	1,467	
53.1%	0	1,448	1,448	
54.3%	0	1,448	1,448	
55.6%	0	1,432	1,432	
56.8%	0	1,420	1,420	
58.0%	0	1,383	1,383	
59.3%	0	1,379	1,379	
60.5%	0	1,375	1,375	
61.7%	0	1,340	1,340	
63.0%	0	1,337	1,337	
64.2%	0	1,336	1,336	
65.4%	0	1,333	1,333	
66.7%	0	1,306	1,306	
67.9%	0	1,240	1,240	
69.1%	0	1,234	1,234	
70.4%	0	1,229	1,229	
71.6%	0	1,209	1,209	
72.8%	0	1,202	1,202	
74.1%	0	1,170	1,170	
75.3%	0	1,162	1,162	
76.5%	0	1,137	1,137	
77.8%	0	914	914	
79.0%	0	891	891	
80.2%	0	866	866	
81.5%	0	859	859	
82.7%	0	781	781	
84.0%	0	704	704	
85.2%	0	665	665	
86.4%	0	636	636	
87.7%	0	573	573	
88.9%	0	540	540	
90.1%	0	506	506	
91.4%	0	458	458	
92.6%	0	456	456	
93.8%	0	384	384	
95.1%	0	302	302	
96.3%	0	285	285	
97.5%	0	247	247	
98.8%	0	131	131	
100.0%	0	120	120	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,810	1,810	
37.0%	0	1,806	1,806	
38.3%	0	1,806	1,806	
39.5%	0	1,806	1,806	
40.7%	0	1,779	1,779	
42.0%	0	1,778	1,778	
43.2%	0	1,769	1,769	
44.4%	0	1,757	1,757	
45.7%	0	1,739	1,739	
46.9%	0	1,722	1,722	
48.1%	0	1,700	1,700	
49.4%	0	1,683	1,683	
50.6%	0	1,667	1,667	
51.9%	0	1,666	1,666	
53.1%	0	1,661	1,661	
54.3%	0	1,657	1,657	
55.6%	0	1,627	1,627	
56.8%	0	1,625	1,625	
58.0%	0	1,605	1,605	
59.3%	0	1,566	1,566	
60.5%	0	1,562	1,562	
61.7%	0	1,554	1,554	
63.0%	0	1,531	1,531	
64.2%	0	1,526	1,526	
65.4%	0	1,505	1,505	
66.7%	0	1,464	1,464	
67.9%	0	1,463	1,463	
69.1%	0	1,416	1,416	
70.4%	0	1,416	1,416	
71.6%	0	1,398	1,398	
72.8%	0	1,359	1,359	
74.1%	0	1,337	1,337	
75.3%	0	1,219	1,219	
76.5%	0	1,211	1,211	
77.8%	0	1,148	1,148	
79.0%	0	1,145	1,145	
80.2%	0	1,141	1,141	
81.5%	0	1,070	1,070	
82.7%	0	1,065	1,065	
84.0%	0	886	886	
85.2%	0	844	844	
86.4%	0	678	678	
87.7%	0	636	636	
88.9%	0	612	612	
90.1%	0	577	577	
91.4%	0	549	549	
92.6%	0	544	544	
93.8%	0	540	540	
95.1%	0	480	480	
96.3%	0	424	424	
97.5%	0	366	366	
98.8%	0	285	285	
100.0%	0	259	259	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,810	1,810	
37.0%	0	1,806	1,806	
38.3%	0	1,806	1,806	
39.5%	0	1,795	1,795	
40.7%	0	1,791	1,791	
42.0%	0	1,778	1,778	
43.2%	0	1,778	1,778	
44.4%	0	1,778	1,778	
45.7%	0	1,765	1,765	
46.9%	0	1,757	1,757	
48.1%	0	1,722	1,722	
49.4%	0	1,712	1,712	
50.6%	0	1,668	1,668	
51.9%	0	1,666	1,666	
53.1%	0	1,650	1,650	
54.3%	0	1,594	1,594	
55.6%	0	1,594	1,594	
56.8%	0	1,589	1,589	
58.0%	0	1,573	1,573	
59.3%	0	1,562	1,562	
60.5%	0	1,558	1,558	
61.7%	0	1,530	1,530	
63.0%	0	1,515	1,515	
64.2%	0	1,478	1,478	
65.4%	0	1,470	1,470	
66.7%	0	1,416	1,416	
67.9%	0	1,416	1,416	
69.1%	0	1,416	1,416	
70.4%	0	1,388	1,388	
71.6%	0	1,382	1,382	
72.8%	0	1,370	1,370	
74.1%	0	1,327	1,327	
75.3%	0	1,311	1,311	
76.5%	0	1,274	1,274	
77.8%	0	1,262	1,262	
79.0%	0	1,248	1,248	
80.2%	0	1,211	1,211	
81.5%	0	1,033	1,033	
82.7%	0	1,032	1,032	
84.0%	0	916	916	
85.2%	0	878	878	
86.4%	0	874	874	
87.7%	0	761	761	
88.9%	0	632	632	
90.1%	0	540	540	
91.4%	0	540	540	
92.6%	0	539	539	
93.8%	0	501	501	
95.1%	0	480	480	
96.3%	0	451	451	
97.5%	0	296	296	
98.8%	0	259	259	
100.0%	0	178	178	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,807	1,807	
13.6%	0	1,804	1,804	
14.8%	0	1,804	1,804	
16.0%	0	1,804	1,804	
17.3%	0	1,804	1,804	
18.5%	0	1,804	1,804	
19.8%	0	1,804	1,804	
21.0%	0	1,804	1,804	
22.2%	0	1,804	1,804	
23.5%	0	1,804	1,804	
24.7%	0	1,804	1,804	
25.9%	0	1,804	1,804	
27.2%	0	1,804	1,804	
28.4%	0	1,804	1,804	
29.6%	0	1,804	1,804	
30.9%	0	1,804	1,804	
32.1%	0	1,804	1,804	
33.3%	0	1,801	1,801	
34.6%	0	1,774	1,774	
35.8%	0	1,773	1,773	
37.0%	0	1,772	1,772	
38.3%	0	1,772	1,772	
39.5%	0	1,772	1,772	
40.7%	0	1,772	1,772	
42.0%	0	1,768	1,768	
43.2%	0	1,753	1,753	
44.4%	0	1,745	1,745	
45.7%	0	1,740	1,740	
46.9%	0	1,727	1,727	
48.1%	0	1,712	1,712	
49.4%	0	1,710	1,710	
50.6%	0	1,661	1,661	
51.9%	0	1,659	1,659	
53.1%	0	1,589	1,589	
54.3%	0	1,570	1,570	
55.6%	0	1,556	1,556	
56.8%	0	1,552	1,552	
58.0%	0	1,524	1,524	
59.3%	0	1,524	1,524	
60.5%	0	1,520	1,520	
61.7%	0	1,459	1,459	
63.0%	0	1,450	1,450	
64.2%	0	1,433	1,433	
65.4%	0	1,418	1,418	
66.7%	0	1,411	1,411	
67.9%	0	1,411	1,411	
69.1%	0	1,391	1,391	
70.4%	0	1,380	1,380	
71.6%	0	1,373	1,373	
72.8%	0	1,344	1,344	
74.1%	0	1,333	1,333	
75.3%	0	1,291	1,291	
76.5%	0	1,257	1,257	
77.8%	0	1,214	1,214	
79.0%	0	1,193	1,193	
80.2%	0	1,174	1,174	
81.5%	0	1,151	1,151	
82.7%	0	923	923	
84.0%	0	874	874	
85.2%	0	870	870	
86.4%	0	759	759	
87.7%	0	730	730	
88.9%	0	535	535	
90.1%	0	477	477	
91.4%	0	477	477	
92.6%	0	464	464	
93.8%	0	456	456	
95.1%	0	376	376	
96.3%	0	350	350	
97.5%	0	294	294	
98.8%	0	257	257	
100.0%	0	144	144	

Table OP-09-7b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,809	1,809	
2.5%	0	1,803	1,803	
3.7%	0	1,803	1,803	
4.9%	0	1,803	1,803	
6.2%	0	1,803	1,803	
7.4%	0	1,803	1,803	
8.6%	0	1,803	1,803	
9.9%	0	1,801	1,801	
11.1%	0	1,797	1,797	
12.3%	0	1,797	1,797	
13.6%	0	1,797	1,797	
14.8%	0	1,797	1,797	
16.0%	0	1,795	1,795	
17.3%	0	1,791	1,791	
18.5%	0	1,791	1,791	
19.8%	0	1,788	1,788	
21.0%	0	1,786	1,786	
22.2%	0	1,780	1,780	
23.5%	0	1,774	1,774	
24.7%	0	1,772	1,772	
25.9%	0	1,768	1,768	
27.2%	0	1,763	1,763	
28.4%	0	1,744	1,744	
29.6%	0	1,742	1,742	
30.9%	0	1,718	1,718	
32.1%	0	1,700	1,700	
33.3%	0	1,686	1,686	
34.6%	0	1,684	1,684	
35.8%	0	1,684	1,684	
37.0%	0	1,677	1,677	
38.3%	0	1,657	1,657	
39.5%	0	1,655	1,655	
40.7%	0	1,655	1,655	
42.0%	0	1,654	1,654	
43.2%	0	1,650	1,650	
44.4%	0	1,650	1,650	
45.7%	0	1,623	1,623	
46.9%	0	1,617	1,617	
48.1%	0	1,605	1,605	
49.4%	0	1,600	1,600	
50.6%	0	1,600	1,600	
51.9%	0	1,579	1,579	
53.1%	0	1,561	1,561	
54.3%	0	1,541	1,541	
55.6%	0	1,511	1,511	
56.8%	0	1,507	1,507	
58.0%	0	1,442	1,442	
59.3%	0	1,441	1,441	
60.5%	0	1,409	1,409	
61.7%	0	1,402	1,402	
63.0%	0	1,396	1,396	
64.2%	0	1,371	1,371	
65.4%	0	1,350	1,350	
66.7%	0	1,348	1,348	
67.9%	0	1,341	1,341	
69.1%	0	1,337	1,337	
70.4%	0	1,336	1,336	
71.6%	0	1,324	1,324	
72.8%	0	1,282	1,282	
74.1%	0	1,248	1,248	
75.3%	0	1,236	1,236	
76.5%	0	1,230	1,230	
77.8%	0	1,216	1,216	
79.0%	0	1,205	1,205	
80.2%	0	1,136	1,136	
81.5%	0	965	965	
82.7%	0	888	888	
84.0%	0	776	776	
85.2%	0	773	773	
86.4%	0	618	618	
87.7%	0	607	607	
88.9%	0	531	531	
90.1%	0	473	473	
91.4%	0	460	460	
92.6%	0	452	452	
93.8%	0	384	384	
95.1%	0	290	290	
96.3%	0	256	256	
97.5%	0	254	254	
98.8%	0	179	179	
100.0%	0	142	142	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,799	1,799	
2.5%	0	1,799	1,799	
3.7%	0	1,768	1,768	
4.9%	0	1,761	1,761	
6.2%	0	1,749	1,749	
7.4%	0	1,736	1,736	
8.6%	0	1,734	1,734	
9.9%	0	1,729	1,729	
11.1%	0	1,710	1,710	
12.3%	0	1,701	1,701	
13.6%	0	1,689	1,689	
14.8%	0	1,688	1,688	
16.0%	0	1,683	1,683	
17.3%	0	1,680	1,680	
18.5%	0	1,663	1,663	
19.8%	0	1,657	1,657	
21.0%	0	1,645	1,645	
22.2%	0	1,640	1,640	
23.5%	0	1,627	1,627	
24.7%	0	1,596	1,596	
25.9%	0	1,594	1,594	
27.2%	0	1,590	1,590	
28.4%	0	1,586	1,586	
29.6%	0	1,580	1,580	
30.9%	0	1,574	1,574	
32.1%	0	1,570	1,570	
33.3%	0	1,564	1,564	
34.6%	0	1,558	1,558	
35.8%	0	1,554	1,554	
37.0%	0	1,554	1,554	
38.3%	0	1,544	1,544	
39.5%	0	1,507	1,507	
40.7%	0	1,507	1,507	
42.0%	0	1,497	1,497	
43.2%	0	1,472	1,472	
44.4%	0	1,467	1,467	
45.7%	0	1,455	1,455	
46.9%	0	1,454	1,454	
48.1%	0	1,444	1,444	
49.4%	0	1,440	1,440	
50.6%	0	1,437	1,437	
51.9%	0	1,432	1,432	
53.1%	0	1,414	1,414	
54.3%	0	1,401	1,401	
55.6%	0	1,400	1,400	
56.8%	0	1,393	1,393	
58.0%	0	1,387	1,387	
59.3%	0	1,330	1,330	
60.5%	0	1,328	1,328	
61.7%	0	1,315	1,315	
63.0%	0	1,299	1,299	
64.2%	0	1,273	1,273	
65.4%	0	1,240	1,240	
66.7%	0	1,230	1,230	
67.9%	0	1,211	1,211	
69.1%	0	1,197	1,197	
70.4%	0	1,158	1,158	
71.6%	0	1,155	1,155	
72.8%	0	1,150	1,150	
74.1%	0	1,143	1,143	
75.3%	0	1,135	1,135	
76.5%	0	1,096	1,096	
77.8%	0	1,055	1,055	
79.0%	0	1,050	1,050	
80.2%	0	1,019	1,019	
81.5%	0	872	872	
82.7%	0	847	847	
84.0%	0	674	674	
85.2%	0	587	587	
86.4%	0	525	525	
87.7%	0	520	520	
88.9%	0	472	472	
90.1%	0	467	467	
91.4%	0	455	455	
92.6%	0	447	447	
93.8%	0	287	287	
95.1%	0	250	250	
96.3%	0	221	221	
97.5%	0	160	160	
98.8%	0	120	120	
100.0%	0	120	120	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,808	1,808	
2.5%	0	1,794	1,794	
3.7%	0	1,782	1,782	
4.9%	0	1,759	1,759	
6.2%	0	1,759	1,759	
7.4%	0	1,734	1,734	
8.6%	0	1,728	1,728	
9.9%	0	1,689	1,689	
11.1%	0	1,669	1,669	
12.3%	0	1,666	1,666	
13.6%	0	1,661	1,661	
14.8%	0	1,623	1,623	
16.0%	0	1,618	1,618	
17.3%	0	1,600	1,600	
18.5%	0	1,598	1,598	
19.8%	0	1,586	1,586	
21.0%	0	1,578	1,578	
22.2%	0	1,553	1,553	
23.5%	0	1,544	1,544	
24.7%	0	1,542	1,542	
25.9%	0	1,540	1,540	
27.2%	0	1,526	1,526	
28.4%	0	1,524	1,524	
29.6%	0	1,518	1,518	
30.9%	0	1,504	1,504	
32.1%	0	1,454	1,454	
33.3%	0	1,432	1,432	
34.6%	0	1,432	1,432	
35.8%	0	1,426	1,426	
37.0%	0	1,419	1,419	
38.3%	0	1,414	1,414	
39.5%	0	1,411	1,411	
40.7%	0	1,394	1,394	
42.0%	0	1,392	1,392	
43.2%	0	1,380	1,380	
44.4%	0	1,366	1,366	
45.7%	0	1,347	1,347	
46.9%	0	1,320	1,320	
48.1%	0	1,313	1,313	
49.4%	0	1,305	1,305	
50.6%	0	1,300	1,300	
51.9%	0	1,299	1,299	
53.1%	0	1,295	1,295	
54.3%	0	1,293	1,293	
55.6%	0	1,288	1,288	
56.8%	0	1,284	1,284	
58.0%	0	1,283	1,283	
59.3%	0	1,199	1,199	
60.5%	0	1,191	1,191	
61.7%	0	1,173	1,173	
63.0%	0	1,154	1,154	
64.2%	0	1,149	1,149	
65.4%	0	1,146	1,146	
66.7%	0	1,138	1,138	
67.9%	0	1,111	1,111	
69.1%	0	1,097	1,097	
70.4%	0	1,077	1,077	
71.6%	0	1,057	1,057	
72.8%	0	1,056	1,056	
74.1%	0	1,036	1,036	
75.3%	0	1,011	1,011	
76.5%	0	974	974	
77.8%	0	955	955	
79.0%	0	931	931	
80.2%	0	894	894	
81.5%	0	834	834	
82.7%	0	748	748	
84.0%	0	576	576	
85.2%	0	490	490	
86.4%	0	428	428	
87.7%	0	423	423	
88.9%	0	375	375	
90.1%	0	371	371	
91.4%	0	358	358	
92.6%	0	351	351	
93.8%	0	191	191	
95.1%	0	155	155	
96.3%	0	132	132	
97.5%	0	129	129	
98.8%	0	126	126	
100.0%	0	120	120	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,772	1,772	
3.7%	0	1,734	1,734	
4.9%	0	1,710	1,710	
6.2%	0	1,690	1,690	
7.4%	0	1,668	1,668	
8.6%	0	1,607	1,607	
9.9%	0	1,591	1,591	
11.1%	0	1,549	1,549	
12.3%	0	1,541	1,541	
13.6%	0	1,540	1,540	
14.8%	0	1,497	1,497	
16.0%	0	1,493	1,493	
17.3%	0	1,481	1,481	
18.5%	0	1,475	1,475	
19.8%	0	1,462	1,462	
21.0%	0	1,459	1,459	
22.2%	0	1,437	1,437	
23.5%	0	1,431	1,431	
24.7%	0	1,430	1,430	
25.9%	0	1,429	1,429	
27.2%	0	1,422	1,422	
28.4%	0	1,418	1,418	
29.6%	0	1,409	1,409	
30.9%	0	1,393	1,393	
32.1%	0	1,382	1,382	
33.3%	0	1,345	1,345	
34.6%	0	1,343	1,343	
35.8%	0	1,339	1,339	
37.0%	0	1,338	1,338	
38.3%	0	1,322	1,322	
39.5%	0	1,320	1,320	
40.7%	0	1,314	1,314	
42.0%	0	1,310	1,310	
43.2%	0	1,283	1,283	
44.4%	0	1,276	1,276	
45.7%	0	1,274	1,274	
46.9%	0	1,274	1,274	
48.1%	0	1,258	1,258	
49.4%	0	1,251	1,251	
50.6%	0	1,233	1,233	
51.9%	0	1,228	1,228	
53.1%	0	1,228	1,228	
54.3%	0	1,226	1,226	
55.6%	0	1,206	1,206	
56.8%	0	1,168	1,168	
58.0%	0	1,165	1,165	
59.3%	0	1,162	1,162	
60.5%	0	1,117	1,117	
61.7%	0	1,112	1,112	
63.0%	0	1,096	1,096	
64.2%	0	1,092	1,092	
65.4%	0	1,079	1,079	
66.7%	0	1,071	1,071	
67.9%	0	1,024	1,024	
69.1%	0	1,020	1,020	
70.4%	0	1,003	1,003	
71.6%	0	990	990	
72.8%	0	971	971	
74.1%	0	962	962	
75.3%	0	942	942	
76.5%	0	864	864	
77.8%	0	845	845	
79.0%	0	842	842	
80.2%	0	797	797	
81.5%	0	780	780	
82.7%	0	655	655	
84.0%	0	483	483	
85.2%	0	419	419	
86.4%	0	336	336	
87.7%	0	336	336	
88.9%	0	331	331	
90.1%	0	317	317	
91.4%	0	267	267	
92.6%	0	259	259	
93.8%	0	157	157	
95.1%	0	142	142	
96.3%	0	132	132	
97.5%	0	128	128	
98.8%	0	124	124	
100.0%	0	120	120	

Table OP-10-7a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	454	450	457	470	481	491	491	489	484	475	468	461
Difference	454	450	457	470	481	491	491	489	484	475	468	461
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	492	486	495	503	512	518	519	519	517	508	505	498
Difference	492	486	495	503	512	518	519	519	517	508	505	498
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	478	474	484	472	490	504	509	510	507	497	490	483
Difference	478	474	484	472	490	504	509	510	507	497	490	483
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	461	458	463	465	476	490	494	493	488	480	470	465
Difference	461	458	463	465	476	490	494	493	488	480	470	465
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	431	427	431	460	472	484	482	476	467	457	446	438
Difference	431	427	431	460	472	484	482	476	467	457	446	438
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	379	375	381	418	425	433	425	418	411	404	394	387
Difference	379	375	381	418	425	433	425	418	411	404	394	387
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-10-7b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

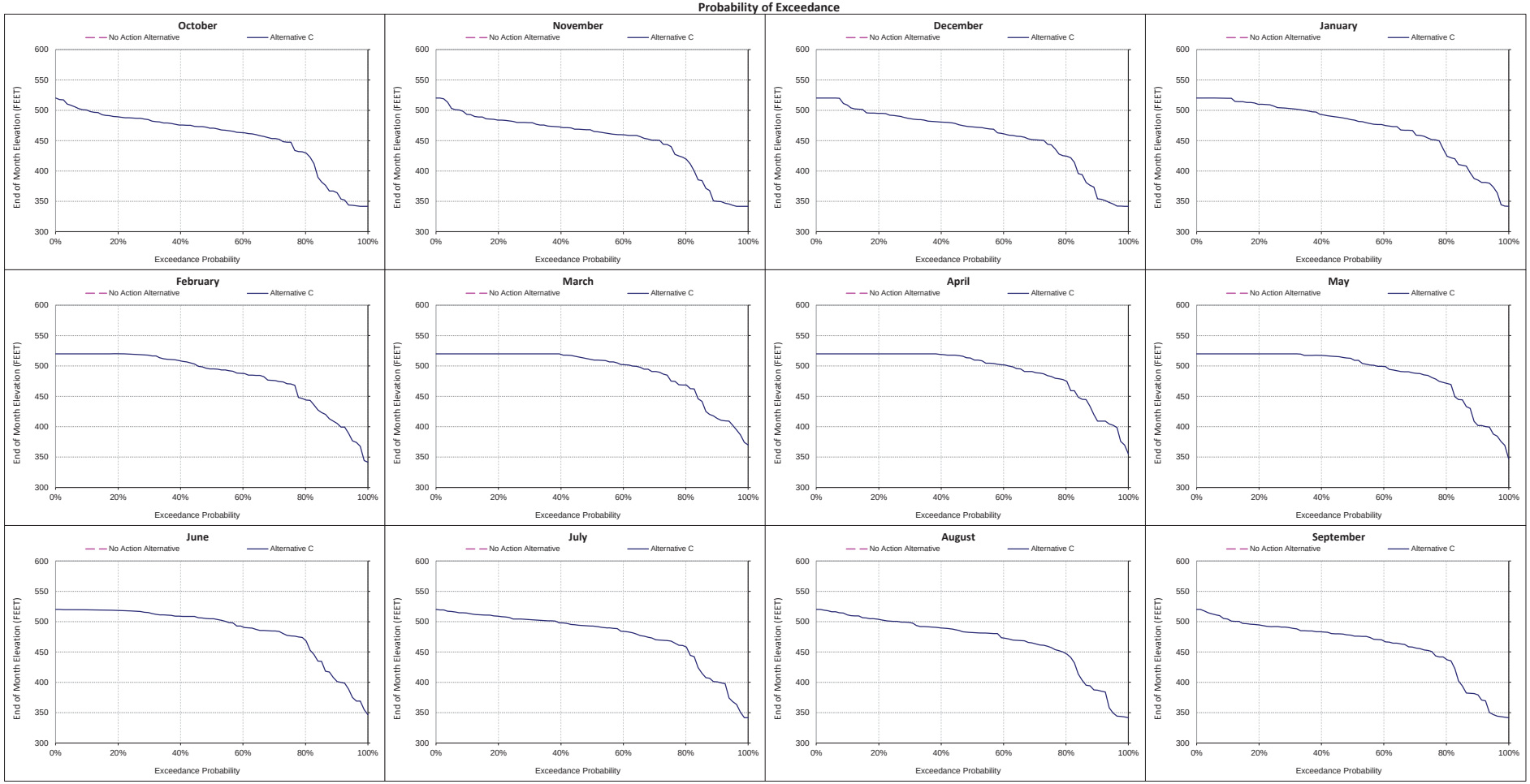

Table OP-10-7b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	518	518	
2.5%	0	517	517	
3.7%	0	510	510	
4.9%	0	508	508	
6.2%	0	506	506	
7.4%	0	503	503	
8.6%	0	501	501	
9.9%	0	501	501	
11.1%	0	498	498	
12.3%	0	497	497	
13.6%	0	496	496	
14.8%	0	493	493	
16.0%	0	492	492	
17.3%	0	491	491	
18.5%	0	490	490	
19.8%	0	489	489	
21.0%	0	489	489	
22.2%	0	488	488	
23.5%	0	488	488	
24.7%	0	487	487	
25.9%	0	487	487	
27.2%	0	487	487	
28.4%	0	486	486	
29.6%	0	485	485	
30.9%	0	482	482	
32.1%	0	481	481	
33.3%	0	481	481	
34.6%	0	479	479	
35.8%	0	479	479	
37.0%	0	478	478	
38.3%	0	477	477	
39.5%	0	476	476	
40.7%	0	476	476	
42.0%	0	475	475	
43.2%	0	475	475	
44.4%	0	473	473	
45.7%	0	473	473	
46.9%	0	473	473	
48.1%	0	472	472	
49.4%	0	471	471	
50.6%	0	470	470	
51.9%	0	469	469	
53.1%	0	467	467	
54.3%	0	467	467	
55.6%	0	466	466	
56.8%	0	465	465	
58.0%	0	464	464	
59.3%	0	463	463	
60.5%	0	463	463	
61.7%	0	461	461	
63.0%	0	461	461	
64.2%	0	460	460	
65.4%	0	458	458	
66.7%	0	457	457	
67.9%	0	455	455	
69.1%	0	454	454	
70.4%	0	454	454	
71.6%	0	452	452	
72.8%	0	448	448	
74.1%	0	447	447	
75.3%	0	447	447	
76.5%	0	434	434	
77.8%	0	432	432	
79.0%	0	432	432	
80.2%	0	430	430	
81.5%	0	423	423	
82.7%	0	412	412	
84.0%	0	390	390	
85.2%	0	382	382	
86.4%	0	376	376	
87.7%	0	367	367	
88.9%	0	367	367	
90.1%	0	364	364	
91.4%	0	354	354	
92.6%	0	352	352	
93.8%	0	344	344	
95.1%	0	343	343	
96.3%	0	343	343	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	519	519	
3.7%	0	514	514	
4.9%	0	503	503	
6.2%	0	501	501	
7.4%	0	500	500	
8.6%	0	498	498	
9.9%	0	493	493	
11.1%	0	493	493	
12.3%	0	490	490	
13.6%	0	489	489	
14.8%	0	489	489	
16.0%	0	486	486	
17.3%	0	485	485	
18.5%	0	485	485	
19.8%	0	484	484	
21.0%	0	484	484	
22.2%	0	483	483	
23.5%	0	483	483	
24.7%	0	482	482	
25.9%	0	480	480	
27.2%	0	480	480	
28.4%	0	480	480	
29.6%	0	479	479	
30.9%	0	479	479	
32.1%	0	477	477	
33.3%	0	476	476	
34.6%	0	476	476	
35.8%	0	474	474	
37.0%	0	474	474	
38.3%	0	473	473	
39.5%	0	473	473	
40.7%	0	472	472	
42.0%	0	472	472	
43.2%	0	471	471	
44.4%	0	469	469	
45.7%	0	469	469	
46.9%	0	468	468	
48.1%	0	468	468	
49.4%	0	468	468	
50.6%	0	465	465	
51.9%	0	464	464	
53.1%	0	463	463	
54.3%	0	463	463	
55.6%	0	461	461	
56.8%	0	461	461	
58.0%	0	460	460	
59.3%	0	460	460	
60.5%	0	459	459	
61.7%	0	459	459	
63.0%	0	459	459	
64.2%	0	459	459	
65.4%	0	456	456	
66.7%	0	454	454	
67.9%	0	453	453	
69.1%	0	451	451	
70.4%	0	451	451	
71.6%	0	450	450	
72.8%	0	444	444	
74.1%	0	444	444	
75.3%	0	440	440	
76.5%	0	427	427	
77.8%	0	425	425	
79.0%	0	423	423	
80.2%	0	419	419	
81.5%	0	412	412	
82.7%	0	400	400	
84.0%	0	385	385	
85.2%	0	384	384	
86.4%	0	371	371	
87.7%	0	368	368	
88.9%	0	351	351	
90.1%	0	350	350	
91.4%	0	350	350	
92.6%	0	347	347	
93.8%	0	345	345	
95.1%	0	344	344	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	511	511	
9.9%	0	509	509	
11.1%	0	504	504	
12.3%	0	502	502	
13.6%	0	502	502	
14.8%	0	502	502	
16.0%	0	496	496	
17.3%	0	495	495	
18.5%	0	495	495	
19.8%	0	495	495	
21.0%	0	495	495	
22.2%	0	495	495	
23.5%	0	492	492	
24.7%	0	492	492	
25.9%	0	491	491	
27.2%	0	490	490	
28.4%	0	488	488	
29.6%	0	487	487	
30.9%	0	486	486	
32.1%	0	485	485	
33.3%	0	485	485	
34.6%	0	484	484	
35.8%	0	482	482	
37.0%	0	482	482	
38.3%	0	481	481	
39.5%	0	481	481	
40.7%	0	480	480	
42.0%	0	480	480	
43.2%	0	480	480	
44.4%	0	478	478	
45.7%	0	476	476	
46.9%	0	475	475	
48.1%	0	473	473	
49.4%	0	473	473	
50.6%	0	472	472	
51.9%	0	472	472	
53.1%	0	471	471	
54.3%	0	470	470	
55.6%	0	469	469	
56.8%	0	469	469	
58.0%	0	463	463	
59.3%	0	462	462	
60.5%	0	461	461	
61.7%	0	459	459	
63.0%	0	459	459	
64.2%	0	457	457	
65.4%	0	457	457	
66.7%	0	456	456	
67.9%	0	453	453	
69.1%	0	452	452	
70.4%	0	451	451	
71.6%	0	451	451	
72.8%	0	451	451	
74.1%	0	444	444	
75.3%	0	443	443	
76.5%	0	436	436	
77.8%	0	428	428	
79.0%	0	425	425	
80.2%	0	424	424	
81.5%	0	422	422	
82.7%	0	414	414	
84.0%	0	396	396	
85.2%	0	394	394	
86.4%	0	381	381	
87.7%	0	376	376	
88.9%	0	373	373	
90.1%	0	354	354	
91.4%	0	353	353	
92.6%	0	351	351	
93.8%	0	348	348	
95.1%	0	346	346	
96.3%	0	342	342	
97.5%	0	342	342	
98.8%	0	342	342	
100.0%	0	342	342	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	515	515	
13.6%	0	514	514	
14.8%	0	514	514	
16.0%	0	513	513	
17.3%	0	513	513	
18.5%	0	512	512	
19.8%	0	510	510	
21.0%	0	510	510	
22.2%	0	509	509	
23.5%	0	509	509	
24.7%	0	507	507	
25.9%	0	504	504	
27.2%	0	504	504	
28.4%	0	504	504	
29.6%	0	503	503	
30.9%	0	502	502	
32.1%	0	502	502	
33.3%	0	501	501	
34.6%	0	500	500	
35.8%	0	499	499	
37.0%	0	497	497	
38.3%	0	497	497	
39.5%	0	493	493	
40.7%	0	492	492	
42.0%	0	491	491	
43.2%	0	490	490	
44.4%	0	489	489	
45.7%	0	489	489	
46.9%	0	488	488	
48.1%	0	486	486	
49.4%	0	485	485	
50.6%	0	484	484	
51.9%	0	482	482	
53.1%	0	481	481	
54.3%	0	480	480	
55.6%	0	478	478	
56.8%	0	477	477	
58.0%	0	477	477	
59.3%	0	476	476	
60.5%	0	475	475	
61.7%	0	474	474	
63.0%	0	473	473	
64.2%	0	473	473	
65.4%	0	468	468	
66.7%	0	467	467	
67.9%	0	467	467	
69.1%	0	467	467	
70.4%	0	459	459	
71.6%	0	459	459	
72.8%	0	457	457	
74.1%	0	454	454	
75.3%	0	452	452	
76.5%	0	451	451	
77.8%	0	450	450	
79.0%	0	436	436	
80.2%	0	424	424	
81.5%	0	422	422	
82.7%	0	420	420	
84.0%	0	411	411	
85.2%	0	409	409	
86.4%	0	408	408	
87.7%	0	397	397	
88.9%	0	388	388	
90.1%	0	385	385	
91.4%	0	381	381	
92.6%	0	381	381	
93.8%	0	380	380	
95.1%	0	373	373	
96.3%	0	364	364	
97.5%	0	344	344	
98.8%	0	342	342	
100.0%	0	342	342	

Table OP-10-7b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	519	519	
27.2%	0	518	518	
28.4%	0	518	518	
29.6%	0	518	518	
30.9%	0	517	517	
32.1%	0	517	517	
33.3%	0	513	513	
34.6%	0	512	512	
35.8%	0	511	511	
37.0%	0	511	511	
38.3%	0	510	510	
39.5%	0	509	509	
40.7%	0	508	508	
42.0%	0	507	507	
43.2%	0	505	505	
44.4%	0	503	503	
45.7%	0	499	499	
46.9%	0	499	499	
48.1%	0	496	496	
49.4%	0	495	495	
50.6%	0	495	495	
51.9%	0	495	495	
53.1%	0	493	493	
54.3%	0	493	493	
55.6%	0	492	492	
56.8%	0	491	491	
58.0%	0	488	488	
59.3%	0	488	488	
60.5%	0	488	488	
61.7%	0	485	485	
63.0%	0	485	485	
64.2%	0	485	485	
65.4%	0	484	484	
66.7%	0	482	482	
67.9%	0	477	477	
69.1%	0	476	476	
70.4%	0	476	476	
71.6%	0	474	474	
72.8%	0	474	474	
74.1%	0	471	471	
75.3%	0	470	470	
76.5%	0	468	468	
77.8%	0	448	448	
79.0%	0	446	446	
80.2%	0	444	444	
81.5%	0	443	443	
82.7%	0	436	436	
84.0%	0	428	428	
85.2%	0	423	423	
86.4%	0	420	420	
87.7%	0	413	413	
88.9%	0	409	409	
90.1%	0	405	405	
91.4%	0	399	399	
92.6%	0	399	399	
93.8%	0	389	389	
95.1%	0	377	377	
96.3%	0	374	374	
97.5%	0	368	368	
98.8%	0	344	344	
100.0%	0	342	342	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	520	520	
40.7%	0	518	518	
42.0%	0	518	518	
43.2%	0	517	517	
44.4%	0	516	516	
45.7%	0	515	515	
46.9%	0	514	514	
48.1%	0	512	512	
49.4%	0	511	511	
50.6%	0	510	510	
51.9%	0	510	510	
53.1%	0	509	509	
54.3%	0	509	509	
55.6%	0	507	507	
56.8%	0	507	507	
58.0%	0	505	505	
59.3%	0	502	502	
60.5%	0	502	502	
61.7%	0	502	502	
63.0%	0	500	500	
64.2%	0	499	499	
65.4%	0	498	498	
66.7%	0	495	495	
67.9%	0	495	495	
69.1%	0	491	491	
70.4%	0	491	491	
71.6%	0	489	489	
72.8%	0	486	486	
74.1%	0	485	485	
75.3%	0	475	475	
76.5%	0	474	474	
77.8%	0	469	469	
79.0%	0	469	469	
80.2%	0	468	468	
81.5%	0	462	462	
82.7%	0	462	462	
84.0%	0	446	446	
85.2%	0	442	442	
86.4%	0	425	425	
87.7%	0	420	420	
88.9%	0	418	418	
90.1%	0	414	414	
91.4%	0	410	410	
92.6%	0	410	410	
93.8%	0	409	409	
95.1%	0	402	402	
96.3%	0	395	395	
97.5%	0	386	386	
98.8%	0	374	374	
100.0%	0	370	370	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	519	519	
40.7%	0	519	519	
42.0%	0	518	518	
43.2%	0	518	518	
44.4%	0	518	518	
45.7%	0	517	517	
46.9%	0	516	516	
48.1%	0	514	514	
49.4%	0	513	513	
50.6%	0	510	510	
51.9%	0	510	510	
53.1%	0	508	508	
54.3%	0	504	504	
55.6%	0	504	504	
56.8%	0	504	504	
58.0%	0	503	503	
59.3%	0	502	502	
60.5%	0	502	502	
61.7%	0	500	500	
63.0%	0	499	499	
64.2%	0	496	496	
65.4%	0	495	495	
66.7%	0	491	491	
67.9%	0	491	491	
69.1%	0	491	491	
70.4%	0	489	489	
71.6%	0	488	488	
72.8%	0	487	487	
74.1%	0	484	484	
75.3%	0	483	483	
76.5%	0	480	480	
77.8%	0	479	479	
79.0%	0	478	478	
80.2%	0	474	474	
81.5%	0	459	459	
82.7%	0	459	459	
84.0%	0	448	448	
85.2%	0	445	445	
86.4%	0	445	445	
87.7%	0	433	433	
88.9%	0	420	420	
90.1%	0	409	409	
91.4%	0	409	409	
92.6%	0	409	409	
93.8%	0	405	405	
95.1%	0	402	402	
96.3%	0	398	398	
97.5%	0	376	376	
98.8%	0	370	370	
100.0%	0	355	355	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	519	519	
34.6%	0	518	518	
35.8%	0	517	517	
37.0%	0	517	517	
38.3%	0	517	517	
39.5%	0	517	517	
40.7%	0	517	517	
42.0%	0	517	517	
43.2%	0	516	516	
44.4%	0	515	515	
45.7%	0	515	515	
46.9%	0	514	514	
48.1%	0	513	513	
49.4%	0	513	513	
50.6%	0	509	509	
51.9%	0	509	509	
53.1%	0	504	504	
54.3%	0	503	503	
55.6%	0	502	502	
56.8%	0	501	501	
58.0%	0	499	499	
59.3%	0	499	499	
60.5%	0	499	499	
61.7%	0	494	494	
63.0%	0	494	494	
64.2%	0	492	492	
65.4%	0	491	491	
66.7%	0	490	490	
67.9%	0	490	490	
69.1%	0	489	489	
70.4%	0	488	488	
71.6%	0	487	487	
72.8%	0	485	485	
74.1%	0	484	484	
75.3%	0	481	481	
76.5%	0	478	478	
77.8%	0	475	475	
79.0%	0	473	473	
80.2%	0	471	471	
81.5%	0	469	469	
82.7%	0	449	449	
84.0%	0	445	445	
85.2%	0	444	444	
86.4%	0	433	433	
87.7%	0	430	430	
88.9%	0	409	409	
90.1%	0	402	402	
91.4%	0	402	402	
92.6%	0	400	400	
93.8%	0	399	399	
95.1%	0	388	388	
96.3%	0	384	384	
97.5%	0	375	375	
98.8%	0	369	369	
100.0%	0	347	347	

Table OP-10-7b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	519	519	
11.1%	0	519	519	
12.3%	0	519	519	
13.6%	0	519	519	
14.8%	0	519	519	
16.0%	0	519	519	
17.3%	0	519	519	
18.5%	0	519	519	
19.8%	0	519	519	
21.0%	0	518	518	
22.2%	0	518	518	
23.5%	0	518	518	
24.7%	0	517	517	
25.9%	0	517	517	
27.2%	0	517	517	
28.4%	0	515	515	
29.6%	0	515	515	
30.9%	0	513	513	
32.1%	0	512	512	
33.3%	0	511	511	
34.6%	0	511	511	
35.8%	0	511	511	
37.0%	0	510	510	
38.3%	0	509	509	
39.5%	0	509	509	
40.7%	0	509	509	
42.0%	0	509	509	
43.2%	0	509	509	
44.4%	0	508	508	
45.7%	0	507	507	
46.9%	0	506	506	
48.1%	0	505	505	
49.4%	0	505	505	
50.6%	0	505	505	
51.9%	0	503	503	
53.1%	0	502	502	
54.3%	0	501	501	
55.6%	0	498	498	
56.8%	0	498	498	
58.0%	0	493	493	
59.3%	0	493	493	
60.5%	0	490	490	
61.7%	0	490	490	
63.0%	0	489	489	
64.2%	0	487	487	
65.4%	0	486	486	
66.7%	0	486	486	
67.9%	0	485	485	
69.1%	0	485	485	
70.4%	0	485	485	
71.6%	0	484	484	
72.8%	0	480	480	
74.1%	0	478	478	
75.3%	0	477	477	
76.5%	0	476	476	
77.8%	0	475	475	
79.0%	0	474	474	
80.2%	0	468	468	
81.5%	0	453	453	
82.7%	0	446	446	
84.0%	0	435	435	
85.2%	0	435	435	
86.4%	0	418	418	
87.7%	0	417	417	
88.9%	0	408	408	
90.1%	0	401	401	
91.4%	0	400	400	
92.6%	0	399	399	
93.8%	0	389	389	
95.1%	0	375	375	
96.3%	0	369	369	
97.5%	0	369	369	
98.8%	0	355	355	
100.0%	0	347	347	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	519	519	
2.5%	0	519	519	
3.7%	0	517	517	
4.9%	0	517	517	
6.2%	0	516	516	
7.4%	0	515	515	
8.6%	0	515	515	
9.9%	0	514	514	
11.1%	0	513	513	
12.3%	0	512	512	
13.6%	0	511	511	
14.8%	0	511	511	
16.0%	0	511	511	
17.3%	0	511	511	
18.5%	0	509	509	
19.8%	0	509	509	
21.0%	0	508	508	
22.2%	0	508	508	
23.5%	0	507	507	
24.7%	0	505	505	
25.9%	0	504	504	
27.2%	0	504	504	
28.4%	0	504	504	
29.6%	0	503	503	
30.9%	0	503	503	
32.1%	0	503	503	
33.3%	0	502	502	
34.6%	0	502	502	
35.8%	0	502	502	
37.0%	0	501	501	
38.3%	0	501	501	
39.5%	0	498	498	
40.7%	0	498	498	
42.0%	0	497	497	
43.2%	0	495	495	
44.4%	0	495	495	
45.7%	0	494	494	
46.9%	0	494	494	
48.1%	0	493	493	
49.4%	0	493	493	
50.6%	0	493	493	
51.9%	0	492	492	
53.1%	0	491	491	
54.3%	0	490	490	
55.6%	0	490	490	
56.8%	0	489	489	
58.0%	0	489	489	
59.3%	0	484	484	
60.5%	0	484	484	
61.7%	0	483	483	
63.0%	0	482	482	
64.2%	0	480	480	
65.4%	0	477	477	
66.7%	0	476	476	
67.9%	0	474	474	
69.1%	0	473	473	
70.4%	0	470	470	
71.6%	0	470	470	
72.8%	0	469	469	
74.1%	0	469	469	
75.3%	0	468	468	
76.5%	0	465	465	
77.8%	0	461	461	
79.0%	0	461	461	
80.2%	0	458	458	
81.5%	0	444	444	
82.7%	0	442	442	
84.0%	0	424	424	
85.2%	0	415	415	
86.4%	0	407	407	
87.7%	0	407	407	
88.9%	0	401	401	
90.1%	0	401	401	
91.4%	0	399	399	
92.6%	0	398	398	
93.8%	0	374	374	
95.1%	0	368	368	
96.3%	0	363	363	
97.5%	0	351	351	
98.8%	0	342	342	
100.0%	0	342	342	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	519	519	
3.7%	0	518	518	
4.9%	0	516	516	
6.2%	0	516	516	
7.4%	0	515	515	
8.6%	0	514	514	
9.9%	0	511	511	
11.1%	0	510	510	
12.3%	0	510	510	
13.6%	0	509	509	
14.8%	0	507	507	
16.0%	0	506	506	
17.3%	0	505	505	
18.5%	0	505	505	
19.8%	0	504	504	
21.0%	0	503	503	
22.2%	0	501	501	
23.5%	0	501	501	
24.7%	0	501	501	
25.9%	0	500	500	
27.2%	0	499	499	
28.4%	0	499	499	
29.6%	0	499	499	
30.9%	0	498	498	
32.1%	0	494	494	
33.3%	0	492	492	
34.6%	0	492	492	
35.8%	0	492	492	
37.0%	0	491	491	
38.3%	0	491	491	
39.5%	0	490	490	
40.7%	0	489	489	
42.0%	0	489	489	
43.2%	0	488	488	
44.4%	0	487	487	
45.7%	0	485	485	
46.9%	0	483	483	
48.1%	0	483	483	
49.4%	0	482	482	
50.6%	0	482	482	
51.9%	0	482	482	
53.1%	0	481	481	
54.3%	0	481	481	
55.6%	0	481	481	
56.8%	0	481	481	
58.0%	0	480	480	
59.3%	0	473	473	
60.5%	0	473	473	
61.7%	0	471	471	
63.0%	0	470	470	
64.2%	0	469	469	
65.4%	0	469	469	
66.7%	0	468	468	
67.9%	0	466	466	
69.1%	0	465	465	
70.4%	0	463	463	
71.6%	0	461	461	
72.8%	0	461	461	
74.1%	0	460	460	
75.3%	0	457	457	
76.5%	0	454	454	
77.8%	0	452	452	
79.0%	0	450	450	
80.2%	0	446	446	
81.5%	0	441	441	
82.7%	0	432	432	
84.0%	0	413	413	
85.2%	0	403	403	
86.4%	0	395	395	
87.7%	0	394	394	
88.9%	0	388	388	
90.1%	0	387	387	
91.4%	0	385	385	
92.6%	0	384	384	
93.8%	0	358	358	
95.1%	0	350	350	
96.3%	0	344	344	
97.5%	0	344	344	
98.8%	0	343	343	
100.0%	0	342	342	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	517	517	
3.7%	0	515	515	
4.9%	0	513	513	
6.2%	0	511	511	
7.4%	0	510	510	
8.6%	0	505	505	
9.9%	0	504	504	
11.1%	0	501	501	
12.3%	0	501	501	
13.6%	0	500	500	
14.8%	0	497	497	
16.0%	0	497	497	
17.3%	0	496	496	
18.5%	0	495	495	
19.8%	0	494	494	
21.0%	0	494	494	
22.2%	0	492	492	
23.5%	0	492	492	
24.7%	0	492	492	
25.9%	0	492	492	
27.2%	0	491	491	
28.4%	0	491	491	
29.6%	0	490	490	
30.9%	0	489	489	
32.1%	0	488	488	
33.3%	0	485	485	
34.6%	0	485	485	
35.8%	0	485	485	
37.0%	0	485	485	
38.3%	0	483	483	
39.5%	0	483	483	
40.7%	0	483	483	
42.0%	0	483	483	
43.2%	0	480	480	
44.4%	0	480	480	
45.7%	0	480	480	
46.9%	0	480	480	
48.1%	0	478	478	
49.4%	0	478	478	
50.6%	0	476	476	
51.9%	0	476	476	
53.1%	0	476	476	
54.3%	0	476	476	
55.6%	0	474	474	
56.8%	0	471	471	
58.0%	0	471	471	
59.3%	0	470	470	
60.5%	0	467	467	
61.7%	0	466	466	
63.0%	0	465	465	
64.2%	0	464	464	
65.4%	0	463	463	
66.7%	0	463	463	
67.9%	0	459	459	
69.1%	0	458	458	
70.4%	0	457	457	
71.6%	0	455	455	
72.8%	0	454	454	
74.1%	0	453	453	
75.3%	0	451	451	
76.5%	0	444	444	
77.8%	0	442	442	
79.0%	0	442	442	
80.2%	0	437	437	
81.5%	0	435	435	
82.7%	0	422	422	
84.0%	0	403	403	
85.2%	0	394	394	
86.4%	0	382	382	
87.7%	0	382	382	
88.9%	0	381	381	
90.1%	0	379	379	
91.4%	0	371	371	
92.6%	0	370	370	
93.8%	0	350	350	
95.1%	0	347	347	
96.3%	0	344	344	
97.5%	0	343	343	
98.8%	0	343	343	
100.0%	0	342	342	

Table OP-11-7a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	10,811	10,585	10,942	11,605	12,172	12,694	12,699	12,572	12,336	11,889	11,489	11,141
Difference	10,811	10,585	10,942	11,605	12,172	12,694	12,699	12,572	12,336	11,889	11,489	11,141
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	12,848	12,606	13,003	13,341	13,782	14,024	14,082	14,088	14,008	13,595	13,457	13,128
Difference	12,848	12,606	13,003	13,341	13,782	14,024	14,082	14,088	14,008	13,595	13,457	13,128
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	12,189	11,974	12,478	11,765	12,662	13,396	13,615	13,678	13,552	13,122	12,792	12,445
Difference	12,189	11,974	12,478	11,765	12,662	13,396	13,615	13,678	13,552	13,122	12,792	12,445
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	11,317	11,139	11,370	11,404	11,999	12,699	12,909	12,884	12,674	12,240	11,760	11,525
Difference	11,317	11,139	11,370	11,404	11,999	12,699	12,909	12,884	12,674	12,240	11,760	11,525
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	9,527	9,310	9,543	11,107	11,731	12,347	12,296	11,960	11,526	10,994	10,380	9,972
Difference	9,527	9,310	9,543	11,107	11,731	12,347	12,296	11,960	11,526	10,994	10,380	9,972
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative C	6,355	6,085	6,541	8,663	9,059	9,626	9,146	8,737	8,321	7,893	7,266	6,841
Difference	6,355	6,085	6,541	8,663	9,059	9,626	9,146	8,737	8,321	7,893	7,266	6,841
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-7b
Sites Reservoir, End of Month Area
Probability of Exceedance

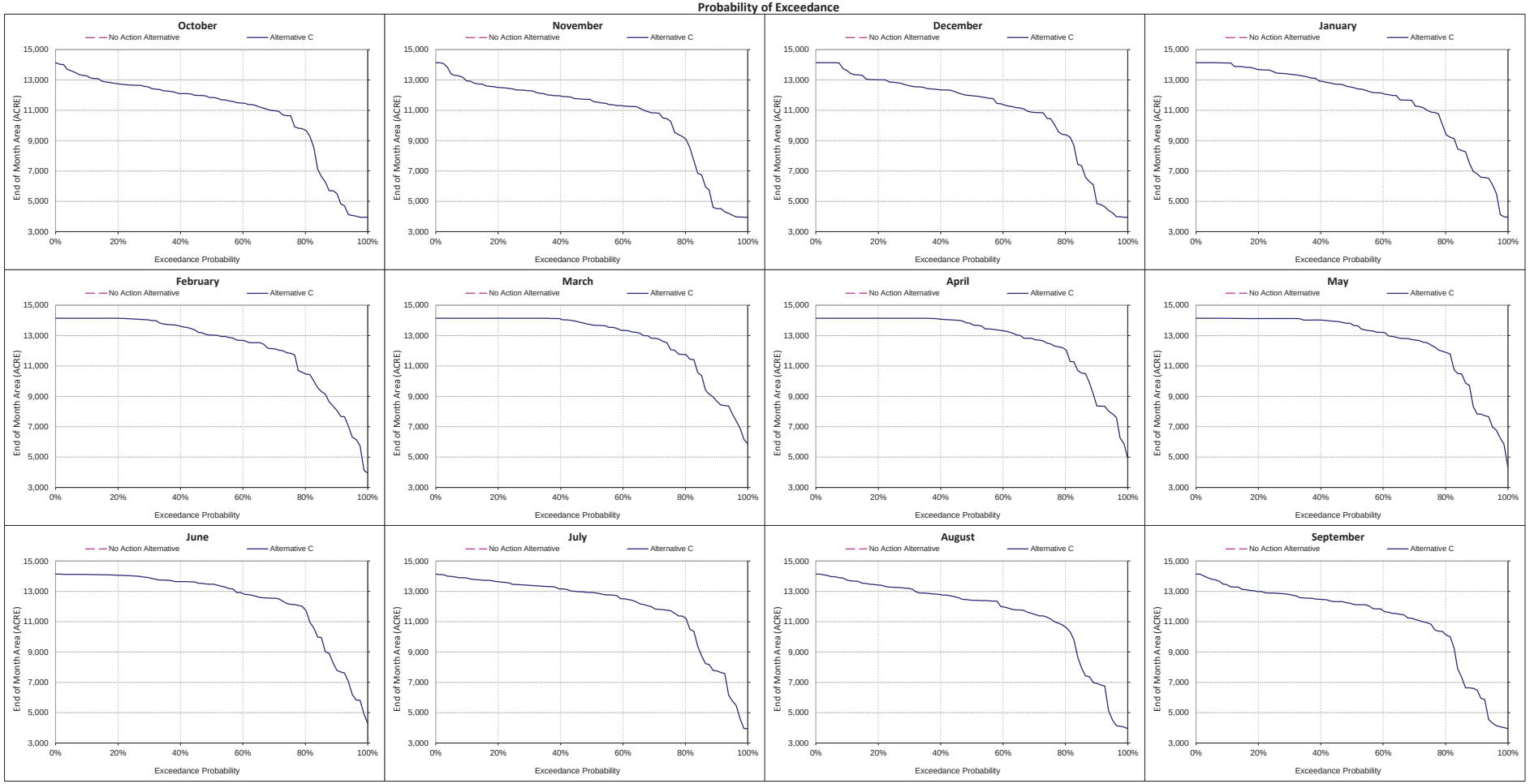

Table OP-11-7b

Sites Reservoir, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,030	14,030	
2.5%	0	14,016	14,016	
3.7%	0	13,710	13,710	
4.9%	0	13,615	13,615	
6.2%	0	13,499	13,499	
7.4%	0	13,364	13,364	
8.6%	0	13,296	13,296	
9.9%	0	13,285	13,285	
11.1%	0	13,153	13,153	
12.3%	0	13,094	13,094	
13.6%	0	13,086	13,086	
14.8%	0	12,919	12,919	
16.0%	0	12,868	12,868	
17.3%	0	12,842	12,842	
18.5%	0	12,782	12,782	
19.8%	0	12,759	12,759	
21.0%	0	12,728	12,728	
22.2%	0	12,690	12,690	
23.5%	0	12,680	12,680	
24.7%	0	12,656	12,656	
25.9%	0	12,651	12,651	
27.2%	0	12,643	12,643	
28.4%	0	12,584	12,584	
29.6%	0	12,554	12,554	
30.9%	0	12,429	12,429	
32.1%	0	12,390	12,390	
33.3%	0	12,367	12,367	
34.6%	0	12,294	12,294	
35.8%	0	12,278	12,278	
37.0%	0	12,235	12,235	
38.3%	0	12,179	12,179	
39.5%	0	12,107	12,107	
40.7%	0	12,103	12,103	
42.0%	0	12,097	12,097	
43.2%	0	12,082	12,082	
44.4%	0	11,995	11,995	
45.7%	0	11,977	11,977	
46.9%	0	11,976	11,976	
48.1%	0	11,948	11,948	
49.4%	0	11,848	11,848	
50.6%	0	11,846	11,846	
51.9%	0	11,792	11,792	
53.1%	0	11,694	11,694	
54.3%	0	11,682	11,682	
55.6%	0	11,626	11,626	
56.8%	0	11,591	11,591	
58.0%	0	11,504	11,504	
59.3%	0	11,482	11,482	
60.5%	0	11,463	11,463	
61.7%	0	11,389	11,389	
63.0%	0	11,387	11,387	
64.2%	0	11,312	11,312	
65.4%	0	11,213	11,213	
66.7%	0	11,145	11,145	
67.9%	0	11,053	11,053	
69.1%	0	10,981	10,981	
70.4%	0	10,978	10,978	
71.6%	0	10,912	10,912	
72.8%	0	10,701	10,701	
74.1%	0	10,649	10,649	
75.3%	0	10,648	10,648	
76.5%	0	9,909	9,909	
77.8%	0	9,818	9,818	
79.0%	0	9,794	9,794	
80.2%	0	9,671	9,671	
81.5%	0	9,280	9,280	
82.7%	0	8,537	8,537	
84.0%	0	7,099	7,099	
85.2%	0	6,642	6,642	
86.4%	0	6,277	6,277	
87.7%	0	5,705	5,705	
88.9%	0	5,701	5,701	
90.1%	0	5,508	5,508	
91.4%	0	4,824	4,824	
92.6%	0	4,696	4,696	
93.8%	0	4,117	4,117	
95.1%	0	4,068	4,068	
96.3%	0	4,013	4,013	
97.5%	0	3,950	3,950	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,092	14,092	
3.7%	0	13,846	13,846	
4.9%	0	13,388	13,388	
6.2%	0	13,292	13,292	
7.4%	0	13,270	13,270	
8.6%	0	13,174	13,174	
9.9%	0	12,945	12,945	
11.1%	0	12,923	12,923	
12.3%	0	12,790	12,790	
13.6%	0	12,736	12,736	
14.8%	0	12,733	12,733	
16.0%	0	12,612	12,612	
17.3%	0	12,577	12,577	
18.5%	0	12,557	12,557	
19.8%	0	12,505	12,505	
21.0%	0	12,502	12,502	
22.2%	0	12,481	12,481	
23.5%	0	12,448	12,448	
24.7%	0	12,413	12,413	
25.9%	0	12,336	12,336	
27.2%	0	12,335	12,335	
28.4%	0	12,322	12,322	
29.6%	0	12,297	12,297	
30.9%	0	12,296	12,296	
32.1%	0	12,181	12,181	
33.3%	0	12,114	12,114	
34.6%	0	12,108	12,108	
35.8%	0	12,018	12,018	
37.0%	0	12,002	12,002	
38.3%	0	11,972	11,972	
39.5%	0	11,956	11,956	
40.7%	0	11,905	11,905	
42.0%	0	11,904	11,904	
43.2%	0	11,875	11,875	
44.4%	0	11,774	11,774	
45.7%	0	11,763	11,763	
46.9%	0	11,735	11,735	
48.1%	0	11,724	11,724	
49.4%	0	11,721	11,721	
50.6%	0	11,576	11,576	
51.9%	0	11,540	11,540	
53.1%	0	11,492	11,492	
54.3%	0	11,473	11,473	
55.6%	0	11,377	11,377	
56.8%	0	11,365	11,365	
58.0%	0	11,319	11,319	
59.3%	0	11,309	11,309	
60.5%	0	11,286	11,286	
61.7%	0	11,255	11,255	
63.0%	0	11,251	11,251	
64.2%	0	11,247	11,247	
65.4%	0	11,133	11,133	
66.7%	0	10,999	10,999	
67.9%	0	10,923	10,923	
69.1%	0	10,835	10,835	
70.4%	0	10,827	10,827	
71.6%	0	10,804	10,804	
72.8%	0	10,486	10,486	
74.1%	0	10,456	10,456	
75.3%	0	10,274	10,274	
76.5%	0	9,545	9,545	
77.8%	0	9,397	9,397	
79.0%	0	9,276	9,276	
80.2%	0	9,081	9,081	
81.5%	0	8,522	8,522	
82.7%	0	7,687	7,687	
84.0%	0	6,840	6,840	
85.2%	0	6,749	6,749	
86.4%	0	5,954	5,954	
87.7%	0	5,754	5,754	
88.9%	0	4,603	4,603	
90.1%	0	4,521	4,521	
91.4%	0	4,515	4,515	
92.6%	0	4,317	4,317	
93.8%	0	4,215	4,215	
95.1%	0	4,081	4,081	
96.3%	0	3,964	3,964	
97.5%	0	3,963	3,963	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,136	14,136	
7.4%	0	14,126	14,126	
8.6%	0	13,754	13,754	
9.9%	0	13,632	13,632	
11.1%	0	13,434	13,434	
12.3%	0	13,356	13,356	
13.6%	0	13,331	13,331	
14.8%	0	13,319	13,319	
16.0%	0	13,062	13,062	
17.3%	0	13,031	13,031	
18.5%	0	13,029	13,029	
19.8%	0	13,014	13,014	
21.0%	0	13,010	13,010	
22.2%	0	13,006	13,006	
23.5%	0	12,876	12,876	
24.7%	0	12,860	12,860	
25.9%	0	12,829	12,829	
27.2%	0	12,779	12,779	
28.4%	0	12,692	12,692	
29.6%	0	12,638	12,638	
30.9%	0	12,585	12,585	
32.1%	0	12,548	12,548	
33.3%	0	12,542	12,542	
34.6%	0	12,514	12,514	
35.8%	0	12,431	12,431	
37.0%	0	12,407	12,407	
38.3%	0	12,394	12,394	
39.5%	0	12,365	12,365	
40.7%	0	12,340	12,340	
42.0%	0	12,336	12,336	
43.2%	0	12,315	12,315	
44.4%	0	12,236	12,236	
45.7%	0	12,129	12,129	
46.9%	0	12,064	12,064	
48.1%	0	11,993	11,993	
49.4%	0	11,982	11,982	
50.6%	0	11,946	11,946	
51.9%	0	11,924	11,924	
53.1%	0	11,885	11,885	
54.3%	0	11,839	11,839	
55.6%	0	11,794	11,794	
56.8%	0	11,776	11,776	
58.0%	0	11,458	11,458	
59.3%	0	11,431	11,431	
60.5%	0	11,356	11,356	
61.7%	0	11,273	11,273	
63.0%	0	11,251	11,251	
64.2%	0	11,184	11,184	
65.4%	0	11,155	11,155	
66.7%	0	11,088	11,088	
67.9%	0	10,944	10,944	
69.1%	0	10,893	10,893	
70.4%	0	10,856	10,856	
71.6%	0	10,849	10,849	
72.8%	0	10,826	10,826	
74.1%	0	10,477	10,477	
75.3%	0	10,433	10,433	
76.5%	0	10,048	10,048	
77.8%	0	9,568	9,568	
79.0%	0	9,410	9,410	
80.2%	0	9,379	9,379	
81.5%	0	9,229	9,229	
82.7%	0	8,692	8,692	
84.0%	0	7,442	7,442	
85.2%	0	7,335	7,335	
86.4%	0	6,593	6,593	
87.7%	0	6,294	6,294	
88.9%	0	6,093	6,093	
90.1%	0	4,848	4,848	
91.4%	0	4,782	4,782	
92.6%	0	4,633	4,633	
93.8%	0	4,395	4,395	
95.1%	0	4,242	4,242	
96.3%	0	3,978	3,978	
97.5%	0	3,978	3,978	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,136	14,136	
8.6%	0	14,127	14,127	
9.9%	0	14,127	14,127	
11.1%	0	14,126	14,126	
12.3%	0	13,905	13,905	
13.6%	0	13,875	13,875	
14.8%	0	13,875	13,875	
16.0%	0	13,826	13,826	
17.3%	0	13,822	13,822	
18.5%	0	13,777	13,777	
19.8%	0	13,687	13,687	
21.0%	0	13,681	13,681	
22.2%	0	13,667	13,667	
23.5%	0	13,652	13,652	
24.7%	0	13,554	13,554	
25.9%	0	13,446	13,446	
27.2%	0	13,441	13,441	
28.4%	0	13,416	13,416	
29.6%	0	13,395	13,395	
30.9%	0	13,360	13,360	
32.1%	0	13,328	13,328	
33.3%	0	13,285	13,285	
34.6%	0	13,262	13,262	
35.8%	0	13,198	13,198	
37.0%	0	13,135	13,135	
38.3%	0	13,110	13,110	
39.5%	0	12,931	12,931	
40.7%	0	12,903	12,903	
42.0%	0	12,845	12,845	
43.2%	0	12,804	12,804	
44.4%	0	12,735	12,735	
45.7%	0	12,719	12,719	
46.9%	0	12,692	12,692	
48.1%	0	12,604	12,604	
49.4%	0	12,542	12,542	
50.6%	0	12,500	12,500	
51.9%	0	12,407	12,407	
53.1%	0	12,394	12,394	
54.3%	0	12,315	12,315	
55.6%	0	12,240	12,240	
56.8%	0	12,170	12,170	
58.0%	0	12,153	12,153	
59.3%	0	12,145	12,145	
60.5%	0	12,062	12,062	
61.7%	0	12,026	12,026	
63.0%	0	11,989	11,989	
64.2%	0	11,982	11,982	
65.4%	0	11,698	11,698	
66.7%	0	11,673	11,673	
67.9%	0	11,670	11,670	
69.1%	0	11,653	11,653	
70.4%	0	11,273	11,273	
71.6%	0	11,251	11,251	
72.8%	0	11,184	11,184	
74.1%	0	11,011	11,011	
75.3%	0	10,893	10,893	
76.5%	0	10,856	10,856	
77.8%	0	10,765	10,765	
79.0%	0	10,048	10,048	
80.2%	0	9,379	9,379	
81.5%	0	9,229	9,229	
82.7%	0	9,138	9,138	
84.0%	0	8,454	8,454	
85.2%	0	8,358	8,358	
86.4%	0	8,264	8,264	
87.7%	0	7,516	7,516	
88.9%	0	6,962	6,962	
90.1%	0	6,811	6,811	
91.4%	0	6,593	6,593	
92.6%	0	6,569	6,569	
93.8%	0	6,514	6,514	
95.1%	0	6,093	6,093	
96.3%	0	5,501	5,501	
97.5%	0	4,121	4,121	
98.8%	0	3,978	3,978	
100.0%	0	3,950	3,950	

Table OP-11-7b
Sites Reservoir, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,136	14,136	
21.0%	0	14,127	14,127	
22.2%	0	14,126	14,126	
23.5%	0	14,126	14,126	
24.7%	0	14,115	14,115	
25.9%	0	14,094	14,094	
27.2%	0	14,061	14,061	
28.4%	0	14,041	14,041	
29.6%	0	14,041	14,041	
30.9%	0	13,986	13,986	
32.1%	0	13,982	13,982	
33.3%	0	13,839	13,839	
34.6%	0	13,775	13,775	
35.8%	0	13,731	13,731	
37.0%	0	13,724	13,724	
38.3%	0	13,694	13,694	
39.5%	0	13,646	13,646	
40.7%	0	13,586	13,586	
42.0%	0	13,544	13,544	
43.2%	0	13,479	13,479	
44.4%	0	13,398	13,398	
45.7%	0	13,222	13,222	
46.9%	0	13,183	13,183	
48.1%	0	13,085	13,085	
49.4%	0	13,033	13,033	
50.6%	0	13,025	13,025	
51.9%	0	13,010	13,010	
53.1%	0	12,943	12,943	
54.3%	0	12,942	12,942	
55.6%	0	12,885	12,885	
56.8%	0	12,842	12,842	
58.0%	0	12,709	12,709	
59.3%	0	12,692	12,692	
60.5%	0	12,679	12,679	
61.7%	0	12,555	12,555	
63.0%	0	12,542	12,542	
64.2%	0	12,537	12,537	
65.4%	0	12,529	12,529	
66.7%	0	12,432	12,432	
67.9%	0	12,170	12,170	
69.1%	0	12,141	12,141	
70.4%	0	12,123	12,123	
71.6%	0	12,035	12,035	
72.8%	0	12,008	12,008	
74.1%	0	11,869	11,869	
75.3%	0	11,835	11,835	
76.5%	0	11,732	11,732	
77.8%	0	10,699	10,699	
79.0%	0	10,591	10,591	
80.2%	0	10,468	10,468	
81.5%	0	10,434	10,434	
82.7%	0	10,009	10,009	
84.0%	0	9,553	9,553	
85.2%	0	9,320	9,320	
86.4%	0	9,147	9,147	
87.7%	0	8,629	8,629	
88.9%	0	8,358	8,358	
90.1%	0	8,071	8,071	
91.4%	0	7,671	7,671	
92.6%	0	7,653	7,653	
93.8%	0	7,048	7,048	
95.1%	0	6,313	6,313	
96.3%	0	6,145	6,145	
97.5%	0	5,742	5,742	
98.8%	0	4,121	4,121	
100.0%	0	3,950	3,950	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,137	14,137	
35.8%	0	14,136	14,136	
37.0%	0	14,127	14,127	
38.3%	0	14,126	14,126	
39.5%	0	14,126	14,126	
40.7%	0	14,039	14,039	
42.0%	0	14,035	14,035	
43.2%	0	14,008	14,008	
44.4%	0	13,968	13,968	
45.7%	0	13,910	13,910	
46.9%	0	13,856	13,856	
48.1%	0	13,786	13,786	
49.4%	0	13,731	13,731	
50.6%	0	13,678	13,678	
51.9%	0	13,677	13,677	
53.1%	0	13,658	13,658	
54.3%	0	13,647	13,647	
55.6%	0	13,550	13,550	
56.8%	0	13,544	13,544	
58.0%	0	13,479	13,479	
59.3%	0	13,355	13,355	
60.5%	0	13,341	13,341	
61.7%	0	13,318	13,318	
63.0%	0	13,240	13,240	
64.2%	0	13,222	13,222	
65.4%	0	13,148	13,148	
66.7%	0	13,001	13,001	
67.9%	0	12,998	12,998	
69.1%	0	12,827	12,827	
70.4%	0	12,827	12,827	
71.6%	0	12,763	12,763	
72.8%	0	12,621	12,621	
74.1%	0	12,542	12,542	
75.3%	0	12,079	12,079	
76.5%	0	12,045	12,045	
77.8%	0	11,777	11,777	
79.0%	0	11,762	11,762	
80.2%	0	11,746	11,746	
81.5%	0	11,443	11,443	
82.7%	0	11,422	11,422	
84.0%	0	10,566	10,566	
85.2%	0	10,362	10,362	
86.4%	0	9,397	9,397	
87.7%	0	9,147	9,147	
88.9%	0	8,958	8,958	
90.1%	0	8,662	8,662	
91.4%	0	8,428	8,428	
92.6%	0	8,385	8,385	
93.8%	0	8,358	8,358	
95.1%	0	7,850	7,850	
96.3%	0	7,383	7,383	
97.5%	0	6,896	6,896	
98.8%	0	6,145	6,145	
100.0%	0	5,870	5,870	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,137	14,137	
35.8%	0	14,137	14,137	
37.0%	0	14,127	14,127	
38.3%	0	14,126	14,126	
39.5%	0	14,088	14,088	
40.7%	0	14,077	14,077	
42.0%	0	14,035	14,035	
43.2%	0	14,035	14,035	
44.4%	0	14,034	14,034	
45.7%	0	13,993	13,993	
46.9%	0	13,967	13,967	
48.1%	0	13,856	13,856	
49.4%	0	13,823	13,823	
50.6%	0	13,682	13,682	
51.9%	0	13,677	13,677	
53.1%	0	13,624	13,624	
54.3%	0	13,445	13,445	
55.6%	0	13,444	13,444	
56.8%	0	13,429	13,429	
58.0%	0	13,377	13,377	
59.3%	0	13,341	13,341	
60.5%	0	13,328	13,328	
61.7%	0	13,238	13,238	
63.0%	0	13,185	13,185	
64.2%	0	13,050	13,050	
65.4%	0	13,023	13,023	
66.7%	0	12,827	12,827	
67.9%	0	12,827	12,827	
69.1%	0	12,826	12,826	
70.4%	0	12,726	12,726	
71.6%	0	12,703	12,703	
72.8%	0	12,661	12,661	
74.1%	0	12,506	12,506	
75.3%	0	12,448	12,448	
76.5%	0	12,313	12,313	
77.8%	0	12,261	12,261	
79.0%	0	12,201	12,201	
80.2%	0	12,045	12,045	
81.5%	0	11,282	11,282	
82.7%	0	11,278	11,278	
84.0%	0	10,711	10,711	
85.2%	0	10,526	10,526	
86.4%	0	10,507	10,507	
87.7%	0	9,891	9,891	
88.9%	0	9,125	9,125	
90.1%	0	8,358	8,358	
91.4%	0	8,352	8,352	
92.6%	0	8,342	8,342	
93.8%	0	8,025	8,025	
95.1%	0	7,850	7,850	
96.3%	0	7,612	7,612	
97.5%	0	6,255	6,255	
98.8%	0	5,870	5,870	
100.0%	0	4,892	4,892	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,127	14,127	
13.6%	0	14,120	14,120	
14.8%	0	14,120	14,120	
16.0%	0	14,120	14,120	
17.3%	0	14,120	14,120	
18.5%	0	14,120	14,120	
19.8%	0	14,120	14,120	
21.0%	0	14,120	14,120	
22.2%	0	14,120	14,120	
23.5%	0	14,120	14,120	
24.7%	0	14,120	14,120	
25.9%	0	14,120	14,120	
27.2%	0	14,120	14,120	
28.4%	0	14,120	14,120	
29.6%	0	14,120	14,120	
30.9%	0	14,120	14,120	
32.1%	0	14,120	14,120	
33.3%	0	14,108	14,108	
34.6%	0	14,023	14,023	
35.8%	0	14,020	14,020	
37.0%	0	14,017	14,017	
38.3%	0	14,017	14,017	
39.5%	0	14,017	14,017	
40.7%	0	14,017	14,017	
42.0%	0	14,004	14,004	
43.2%	0	13,956	13,956	
44.4%	0	13,931	13,931	
45.7%	0	13,914	13,914	
46.9%	0	13,872	13,872	
48.1%	0	13,824	13,824	
49.4%	0	13,816	13,816	
50.6%	0	13,660	13,660	
51.9%	0	13,653	13,653	
53.1%	0	13,427	13,427	
54.3%	0	13,368	13,368	
55.6%	0	13,324	13,324	
56.8%	0	13,310	13,310	
58.0%	0	13,216	13,216	
59.3%	0	13,215	13,215	
60.5%	0	13,203	13,203	
61.7%	0	12,981	12,981	
63.0%	0	12,951	12,951	
64.2%	0	12,889	12,889	
65.4%	0	12,834	12,834	
66.7%	0	12,809	12,809	
67.9%	0	12,808	12,808	
69.1%	0	12,737	12,737	
70.4%	0	12,698	12,698	
71.6%	0	12,671	12,671	
72.8%	0	12,569	12,569	
74.1%	0	12,527	12,527	
75.3%	0	12,375	12,375	
76.5%	0	12,240	12,240	
77.8%	0	12,056	12,056	
79.0%	0	11,970	11,970	
80.2%	0	11,888	11,888	
81.5%	0	11,787	11,787	
82.7%	0	10,748	10,748	
84.0%	0	10,505	10,505	
85.2%	0	10,486	10,486	
86.4%	0	9,875	9,875	
87.7%	0	9,709	9,709	
88.9%	0	8,314	8,314	
90.1%	0	7,825	7,825	
91.4%	0	7,824	7,824	
92.6%	0	7,720	7,720	
93.8%	0	7,652	7,652	
95.1%	0	6,976	6,976	
96.3%	0	6,761	6,761	
97.5%	0	6,229	6,229	
98.8%	0	5,846	5,846	
100.0%	0	4,340	4,340	

Table OP-11-7b
Sites Reservoir, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,134	14,134	
2.5%	0	14,115	14,115	
3.7%	0	14,115	14,115	
4.9%	0	14,115	14,115	
6.2%	0	14,115	14,115	
7.4%	0	14,115	14,115	
8.6%	0	14,115	14,115	
9.9%	0	14,108	14,108	
11.1%	0	14,097	14,097	
12.3%	0	14,097	14,097	
13.6%	0	14,097	14,097	
14.8%	0	14,097	14,097	
16.0%	0	14,090	14,090	
17.3%	0	14,078	14,078	
18.5%	0	14,077	14,077	
19.8%	0	14,068	14,068	
21.0%	0	14,061	14,061	
22.2%	0	14,041	14,041	
23.5%	0	14,024	14,024	
24.7%	0	14,017	14,017	
25.9%	0	14,004	14,004	
27.2%	0	13,987	13,987	
28.4%	0	13,926	13,926	
29.6%	0	13,920	13,920	
30.9%	0	13,842	13,842	
32.1%	0	13,786	13,786	
33.3%	0	13,740	13,740	
34.6%	0	13,734	13,734	
35.8%	0	13,733	13,733	
37.0%	0	13,711	13,711	
38.3%	0	13,646	13,646	
39.5%	0	13,641	13,641	
40.7%	0	13,639	13,639	
42.0%	0	13,638	13,638	
43.2%	0	13,625	13,625	
44.4%	0	13,623	13,623	
45.7%	0	13,537	13,537	
46.9%	0	13,520	13,520	
48.1%	0	13,481	13,481	
49.4%	0	13,464	13,464	
50.6%	0	13,464	13,464	
51.9%	0	13,398	13,398	
53.1%	0	13,339	13,339	
54.3%	0	13,274	13,274	
55.6%	0	13,171	13,171	
56.8%	0	13,154	13,154	
58.0%	0	12,920	12,920	
59.3%	0	12,919	12,919	
60.5%	0	12,802	12,802	
61.7%	0	12,776	12,776	
63.0%	0	12,756	12,756	
64.2%	0	12,666	12,666	
65.4%	0	12,588	12,588	
66.7%	0	12,581	12,581	
67.9%	0	12,557	12,557	
69.1%	0	12,541	12,541	
70.4%	0	12,538	12,538	
71.6%	0	12,496	12,496	
72.8%	0	12,345	12,345	
74.1%	0	12,204	12,204	
75.3%	0	12,153	12,153	
76.5%	0	12,128	12,128	
77.8%	0	12,066	12,066	
79.0%	0	12,020	12,020	
80.2%	0	11,725	11,725	
81.5%	0	10,949	10,949	
82.7%	0	10,574	10,574	
84.0%	0	9,977	9,977	
85.2%	0	9,958	9,958	
86.4%	0	9,010	9,010	
87.7%	0	8,921	8,921	
88.9%	0	8,280	8,280	
90.1%	0	7,791	7,791	
91.4%	0	7,687	7,687	
92.6%	0	7,620	7,620	
93.8%	0	7,044	7,044	
95.1%	0	6,196	6,196	
96.3%	0	5,840	5,840	
97.5%	0	5,815	5,815	
98.8%	0	4,905	4,905	
100.0%	0	4,305	4,305	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,103	14,103	
2.5%	0	14,103	14,103	
3.7%	0	14,003	14,003	
4.9%	0	13,981	13,981	
6.2%	0	13,942	13,942	
7.4%	0	13,902	13,902	
8.6%	0	13,894	13,894	
9.9%	0	13,878	13,878	
11.1%	0	13,816	13,816	
12.3%	0	13,787	13,787	
13.6%	0	13,748	13,748	
14.8%	0	13,748	13,748	
16.0%	0	13,729	13,729	
17.3%	0	13,721	13,721	
18.5%	0	13,668	13,668	
19.8%	0	13,648	13,648	
21.0%	0	13,608	13,608	
22.2%	0	13,592	13,592	
23.5%	0	13,550	13,550	
24.7%	0	13,450	13,450	
25.9%	0	13,446	13,446	
27.2%	0	13,433	13,433	
28.4%	0	13,420	13,420	
29.6%	0	13,399	13,399	
30.9%	0	13,380	13,380	
32.1%	0	13,367	13,367	
33.3%	0	13,349	13,349	
34.6%	0	13,330	13,330	
35.8%	0	13,318	13,318	
37.0%	0	13,316	13,316	
38.3%	0	13,283	13,283	
39.5%	0	13,154	13,154	
40.7%	0	13,154	13,154	
42.0%	0	13,120	13,120	
43.2%	0	13,030	13,030	
44.4%	0	13,010	13,010	
45.7%	0	12,969	12,969	
46.9%	0	12,965	12,965	
48.1%	0	12,929	12,929	
49.4%	0	12,914	12,914	
50.6%	0	12,904	12,904	
51.9%	0	12,886	12,886	
53.1%	0	12,819	12,819	
54.3%	0	12,774	12,774	
55.6%	0	12,771	12,771	
56.8%	0	12,743	12,743	
58.0%	0	12,723	12,723	
59.3%	0	12,518	12,518	
60.5%	0	12,509	12,509	
61.7%	0	12,464	12,464	
63.0%	0	12,406	12,406	
64.2%	0	12,310	12,310	
65.4%	0	12,167	12,167	
66.7%	0	12,126	12,126	
67.9%	0	12,044	12,044	
69.1%	0	11,983	11,983	
70.4%	0	11,817	11,817	
71.6%	0	11,808	11,808	
72.8%	0	11,783	11,783	
74.1%	0	11,757	11,757	
75.3%	0	11,722	11,722	
76.5%	0	11,554	11,554	
77.8%	0	11,379	11,379	
79.0%	0	11,357	11,357	
80.2%	0	11,215	11,215	
81.5%	0	10,497	10,497	
82.7%	0	10,375	10,375	
84.0%	0	9,372	9,372	
85.2%	0	8,749	8,749	
86.4%	0	8,231	8,231	
87.7%	0	8,186	8,186	
88.9%	0	7,784	7,784	
90.1%	0	7,745	7,745	
91.4%	0	7,642	7,642	
92.6%	0	7,575	7,575	
93.8%	0	6,161	6,161	
95.1%	0	5,773	5,773	
96.3%	0	5,472	5,472	
97.5%	0	4,605	4,605	
98.8%	0	3,950	3,950	
100.0%	0	3,950	3,950	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,132	14,132	
2.5%	0	14,086	14,086	
3.7%	0	14,047	14,047	
4.9%	0	13,973	13,973	
6.2%	0	13,973	13,973	
7.4%	0	13,893	13,893	
8.6%	0	13,873	13,873	
9.9%	0	13,748	13,748	
11.1%	0	13,686	13,686	
12.3%	0	13,677	13,677	
13.6%	0	13,660	13,660	
14.8%	0	13,538	13,538	
16.0%	0	13,523	13,523	
17.3%	0	13,465	13,465	
18.5%	0	13,459	13,459	
19.8%	0	13,420	13,420	
21.0%	0	13,392	13,392	
22.2%	0	13,314	13,314	
23.5%	0	13,285	13,285	
24.7%	0	13,278	13,278	
25.9%	0	13,270	13,270	
27.2%	0	13,224	13,224	
28.4%	0	13,217	13,217	
29.6%	0	13,195	13,195	
30.9%	0	13,143	13,143	
32.1%	0	12,964	12,964	
33.3%	0	12,886	12,886	
34.6%	0	12,884	12,884	
35.8%	0	12,864	12,864	
37.0%	0	12,838	12,838	
38.3%	0	12,821	12,821	
39.5%	0	12,808	12,808	
40.7%	0	12,747	12,747	
42.0%	0	12,742	12,742	
43.2%	0	12,699	12,699	
44.4%	0	12,646	12,646	
45.7%	0	12,580	12,580	
46.9%	0	12,481	12,481	
48.1%	0	12,456	12,456	
49.4%	0	12,427	12,427	
50.6%	0	12,411	12,411	
51.9%	0	12,407	12,407	
53.1%	0	12,393	12,393	
54.3%	0	12,382	12,382	
55.6%	0	12,366	12,366	
56.8%	0	12,353	12,353	
58.0%	0	12,349	12,349	
59.3%	0	11,995	11,995	
60.5%	0	11,958	11,958	
61.7%	0	11,885	11,885	
63.0%	0	11,803	11,803	
64.2%	0	11,781	11,781	
65.4%	0	11,766	11,766	
66.7%	0	11,736	11,736	
67.9%	0	11,619	11,619	
69.1%	0	11,559	11,559	
70.4%	0	11,473	11,473	
71.6%	0	11,387	11,387	
72.8%	0	11,384	11,384	
74.1%	0	11,295	11,295	
75.3%	0	11,173	11,173	
76.5%	0	10,994	10,994	
77.8%	0	10,901	10,901	
79.0%	0	10,786	10,786	
80.2%	0	10,604	10,604	
81.5%	0	10,310	10,310	
82.7%	0	9,815	9,815	
84.0%	0	8,656	8,656	
85.2%	0	7,933	7,933	
86.4%	0	7,418	7,418	
87.7%	0	7,372	7,372	
88.9%	0	6,971	6,971	
90.1%	0	6,933	6,933	
91.4%	0	6,830	6,830	
92.6%	0	6,764	6,764	
93.8%	0	5,109	5,109	
95.1%	0	4,510	4,510	
96.3%	0	4,140	4,140	
97.5%	0	4,101	4,101	
98.8%	0	4,046	4,046	
100.0%	0	3,950	3,950	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,017	14,017	
3.7%	0	13,894	13,894	
4.9%	0	13,817	13,817	
6.2%	0	13,752	13,752	
7.4%	0	13,681	13,681	
8.6%	0	13,486	13,486	
9.9%	0	13,434	13,434	
11.1%	0	13,300	13,300	
12.3%	0	13,275	13,275	
13.6%	0	13,272	13,272	
14.8%	0	13,119	13,119	
16.0%	0	13,104	13,104	
17.3%	0	13,060	13,060	
18.5%	0	13,040	13,040	
19.8%	0	12,991	12,991	
21.0%	0	12,982	12,982	
22.2%	0	12,903	12,903	
23.5%	0	12,882	12,882	
24.7%	0	12,879	12,879	
25.9%	0	12,875	12,875	
27.2%	0	12,848	12,848	
28.4%	0	12,835	12,835	
29.6%	0	12,801	12,801	
30.9%	0	12,746	12,746	
32.1%	0	12,704	12,704	
33.3%	0	12,571	12,571	
34.6%	0	12,565	12,565	
35.8%	0	12,551	12,551	
37.0%	0	12,545	12,545	
38.3%	0	12,487	12,487	
39.5%	0	12,480	12,480	
40.7%	0	12,459	12,459	
42.0%	0	12,447	12,447	
43.2%	0	12,348	12,348	
44.4%	0	12,321	12,321	
45.7%	0	12,316	12,316	
46.9%	0	12,313	12,313	
48.1%	0	12,247	12,247	
49.4%	0	12,214	12,214	
50.6%	0	12,137	12,137	
51.9%	0	12,119	12,119	
53.1%	0	12,118	12,118	
54.3%	0	12,109	12,109	
55.6%	0	12,025	12,025	
56.8%	0	11,864	11,864	
58.0%	0	11,848	11,848	
59.3%	0	11,837	11,837	
60.5%	0	11,646	11,646	
61.7%	0	11,624	11,624	
63.0%	0	11,556	11,556	
64.2%	0	11,539	11,539	
65.4%	0	11,484	11,484	
66.7%	0	11,446	11,446	
67.9%	0	11,240	11,240	
69.1%	0	11,219	11,219	
70.4%	0	11,134	11,134	
71.6%	0	11,074	11,074	
72.8%	0	10,979	10,979	
74.1%	0	10,934	10,934	
75.3%	0	10,836	10,836	
76.5%	0	10,459	10,459	
77.8%	0	10,366	10,366	
79.0%	0	10,351	10,351	
80.2%	0	10,106	10,106	
81.5%	0	10,005	10,005	
82.7%	0	9,261	9,261	
84.0%	0	7,880	7,880	
85.2%	0	7,340	7,340	
86.4%	0	6,644	6,644	
87.7%	0	6,640	6,640	
88.9%	0	6,599	6,599	
90.1%	0	6,478	6,478	
91.4%	0	5,948	5,948	
92.6%	0	5,865	5,865	
93.8%	0	4,556	4,556	
95.1%	0	4,302	4,302	
96.3%	0	4,140	4,140	
97.5%	0	4,074	4,074	
98.8%	0	4,020	4,020	
100.0%	0	3,950	3,950	

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Alternative D Compared to No Action Alternative

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Table OP-01-9a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	110	7	0	0	2	13	133	413	749	811	661	149
Alternative D	125	112	745	1,268	1,316	1,019	376	478	675	687	655	102
Difference	15	105	745	1,268	1,313	1,006	243	65	-74	-124	-6	-47
Percent Difference[3]	13.4%							15.7%	-9.9%	-15.3%	-0.9%	-31.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	146	7	0	0	0	10	140	605	1,082	1,211	960	228
Alternative D	119	118	1,021	1,412	1,154	713	325	686	972	1,023	1,001	98
Difference	-28	111	1,021	1,412	1,154	703	185	81	-110	-188	41	-130
Percent Difference	-18.9%						131.8%	13.4%	-10.2%	-15.5%	4.3%	-57.1%
Above Normal (15%)												
No Action Alternative	114	4	0	0	0	8	169	584	1,052	1,122	875	202
Alternative D	282	186	1,014	1,887	2,022	1,244	786	757	887	802	781	176
Difference	168	183	1,014	1,887	2,022	1,236	617	173	-165	-320	-94	-26
Percent Difference	147.7%							29.6%	-15.6%	-28.5%	-10.8%	-12.8%
Below Normal (17%)												
No Action Alternative	104	4	0	0	1	23	147	362	646	705	556	104
Alternative D	98	85	606	1,519	1,355	1,388	472	439	642	595	503	89
Difference	-6	81	606	1,519	1,354	1,365	325	77	-4	-109	-52	-14
Percent Difference	-5.9%							21.2%	-0.6%	-15.5%	-9.4%	-13.7%
Dry (22%)												
No Action Alternative	95	6	0	0	4	11	127	252	494	475	387	92
Alternative D	92	119	471	946	1,356	1,310	298	243	425	420	369	87
Difference	-4	113	471	946	1,351	1,299	171	-9	-69	-55	-19	-6
Percent Difference	-4.1%						134.3%	-3.5%	-14.0%	-11.6%	-4.8%	-6.1%
Critical (15%)												
No Action Alternative	59	11	0	0	6	14	71	125	228	262	332	67
Alternative D	64	45	448	530	853	591	81	144	234	353	383	76
Difference	5	33	448	530	846	577	10	19	5	92	51	10
Percent Difference	9.3%						14.5%	14.8%	2.3%	35.0%	15.4%	14.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-01-9b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

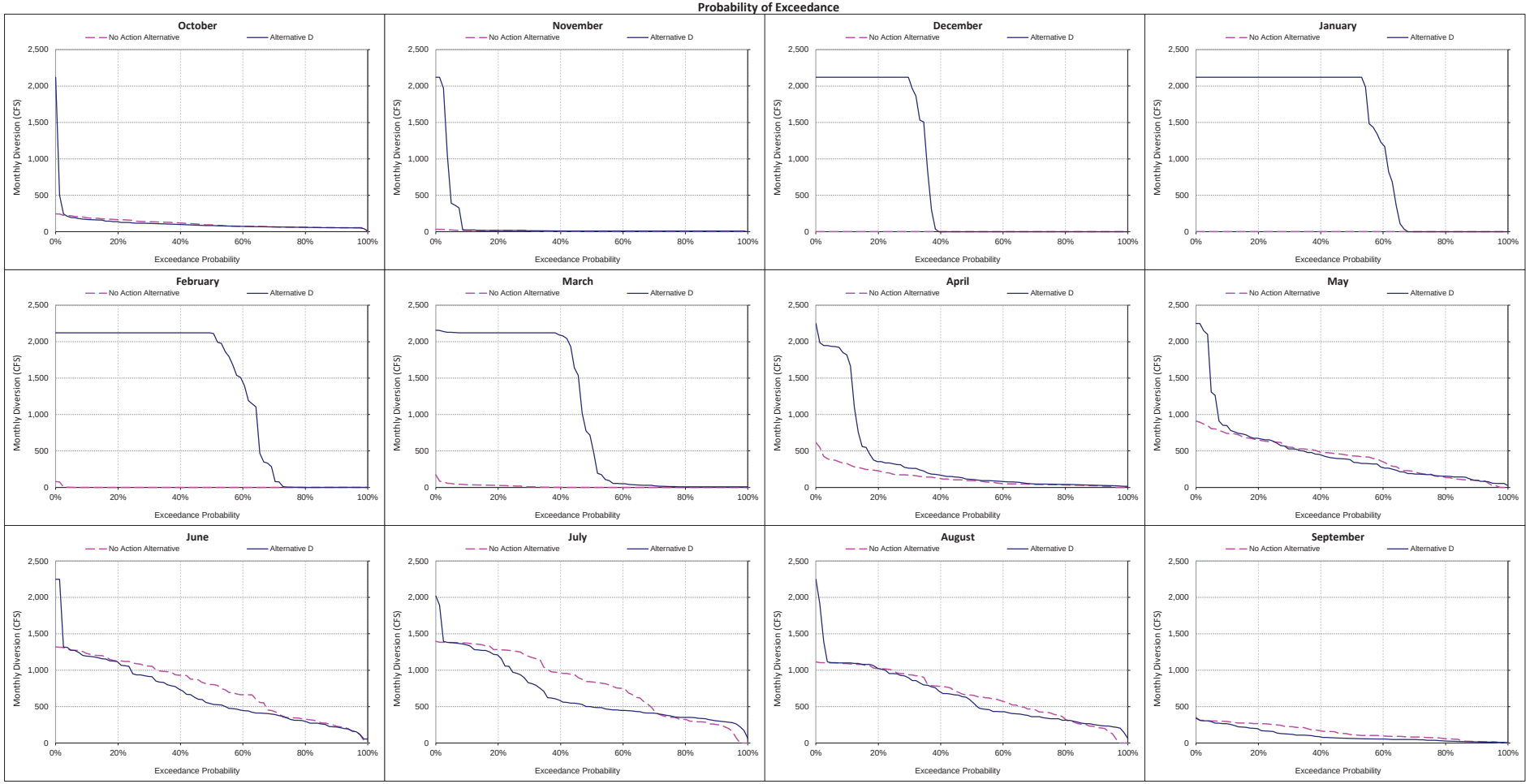

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244	2,121	1,877	769.4%
1.2%	243	501	258	105.9%
2.5%	225	243	18	8.2%
3.7%	220	211	-9	-4.2%
4.9%	218	194	-24	-10.8%
6.2%	208	193	-15	-7.2%
7.4%	207	180	-27	-12.8%
8.6%	202	169	-33	-16.2%
9.9%	192	168	-24	-12.3%
11.1%	187	167	-19	-10.4%
12.3%	185	164	-21	-11.5%
13.6%	184	160	-24	-12.8%
14.8%	176	159	-16	-9.2%
16.0%	174	144	-30	-17.2%
17.3%	172	144	-28	-16.4%
18.5%	169	138	-32	-18.7%
19.8%	165	136	-29	-17.8%
21.0%	163	127	-36	-22.0%
22.2%	161	127	-34	-21.1%
23.5%	159	126	-33	-20.9%
24.7%	154	119	-36	-23.0%
25.9%	144	116	-28	-19.6%
27.2%	140	116	-24	-17.5%
28.4%	138	116	-22	-16.3%
29.6%	136	115	-21	-15.3%
30.9%	136	113	-23	-16.9%
32.1%	134	109	-25	-18.6%
33.3%	130	109	-21	-16.2%
34.6%	129	107	-22	-17.0%
35.8%	129	104	-24	-18.8%
37.0%	126	102	-24	-19.3%
38.3%	124	101	-23	-18.7%
39.5%	122	98	-24	-19.4%
40.7%	117	97	-20	-16.8%
42.0%	114	95	-20	-17.1%
43.2%	111	94	-17	-15.7%
44.4%	108	87	-21	-19.2%
45.7%	104	87	-18	-16.9%
46.9%	97	86	-11	-10.9%
48.1%	94	86	-9	-9.0%
49.4%	94	84	-10	-10.5%
50.6%	91	83	-8	-8.8%
51.9%	88	81	-7	-7.7%
53.1%	86	79	-7	-8.0%
54.3%	79	79	0	-0.5%
55.6%	78	78	-1	-0.7%
56.8%	76	76	0	-0.6%
58.0%	75	75	0	0.5%
59.3%	75	75	0	0.4%
60.5%	74	72	-3	-3.8%
61.7%	74	71	-3	-3.7%
63.0%	74	71	-3	-3.7%
64.2%	72	70	-2	-3.0%
65.4%	71	69	-2	-3.2%
66.7%	71	66	-5	-7.4%
67.9%	69	66	-3	-3.9%
69.1%	67	65	-1	-1.8%
70.4%	65	63	-2	-3.3%
71.6%	64	63	-1	-1.4%
72.8%	63	62	-2	-2.6%
74.1%	63	62	-2	-2.4%
75.3%	62	61	-1	-1.8%
76.5%	62	61	-1	-2.2%
77.8%	62	60	-1	-2.3%
79.0%	61	59	-2	-2.7%
80.2%	59	59	-1	-1.6%
81.5%	59	57	-2	-3.2%
82.7%	57	57	-1	-1.4%
84.0%	57	57	-1	-1.3%
85.2%	56	56	0	-0.6%
86.4%	56	56	0	-0.6%
87.7%	56	56	0	-0.6%
88.9%	56	56	0	0.0%
90.1%	55	55	0	0.4%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	54	54	0	0.0%
96.3%	54	54	0	0.0%
97.5%	54	51	-4	-6.6%
98.8%	54	41	-14	-25.1%
100.0%	0	9	9	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33	2,121	2,088	
1.2%	32	2,121	2,089	
2.5%	31	1,971	1,940	
3.7%	26	1,051	1,025	
4.9%	25	390	365	
6.2%	19	363	344	
7.4%	18	328	310	
8.6%	18	26	8	46.3%
9.9%	18	24	7	38.4%
11.1%	17	23	6	33.9%
12.3%	17	23	6	33.7%
13.6%	17	18	1	5.1%
14.8%	17	18	1	5.0%
16.0%	17	18	1	4.9%
17.3%	17	18	1	3.6%
18.5%	17	17	0	1.0%
19.8%	17	17	0	0.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	17	0	0.0%
25.9%	17	17	0	-0.1%
27.2%	17	17	0	-0.2%
28.4%	17	16	-1	-7.1%
29.6%	17	14	-3	-17.0%
30.9%	9	12	4	43.7%
32.1%	7	12	5	77.1%
33.3%	7	12	6	84.0%
34.6%	4	12	8	214.6%
35.8%	4	12	8	226.7%
37.0%	3	12	8	250.9%
38.3%	3	11	8	283.5%
39.5%	3	10	8	311.8%
40.7%	2	10	8	353.5%
42.0%	2	10	8	432.9%
43.2%	2	10	8	418.0%
44.4%	1	10	8	561.2%
45.7%	1	9	8	647.3%
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	1,962	1,962	
32.1%	0	1,864	1,864	
33.3%	0	1,532	1,532	
34.6%	0	1,508	1,508	
35.8%	0	836	836	
37.0%	0	298	298	
38.3%	0	35	35	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	1,984	1,984	
55.6%	0	1,482	1,482	
56.8%	0	1,435	1,435	
58.0%	0	1,346	1,346	
59.3%	0	1,231	1,231	
60.5%	0	1,169	1,169	
61.7%	0	824	824	
63.0%	0	684	684	
64.2%	0	361	361	
65.4%	0	109	109	
66.7%	0	36	36	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79	2,121	2,042	
1.2%	75	2,121	2,046	
2.5%	10	2,121	2,111	
3.7%	3	2,121	2,118	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,111	2,111	
51.9%	0	1,993	1,993	
53.1%	0	1,976	1,976	
54.3%	0	1,862	1,862	
55.6%	0	1,799	1,799	
56.8%	0	1,682	1,682	
58.0%	0	1,539	1,539	
59.3%	0	1,510	1,510	
60.5%	0	1,394	1,394	
61.7%	0	1,190	1,190	
63.0%	0	1,147	1,147	
64.2%	0	1,105	1,105	
65.4%	0	468	468	
66.7%	0	349	349	
67.9%	0	330	330	
69.1%	0	283	283	
70.4%	0	79	79	
71.6%	0	75	75	
72.8%	0	12	12	
74.1%	0	3	3	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172	2,159	1,987	
1.2%	85	2,153	2,069	
2.5%	76	2,140	2,064	
3.7%	56	2,130	2,074	
4.9%	52	2,129	2,076	
6.2%	44	2,124	2,080	
7.4%	42	2,123	2,081	
8.6%	41	2,122	2,081	
9.9%	35	2,122	2,087	
11.1%	35	2,122	2,087	
12.3%	34	2,121	2,088	
13.6%	32	2,121	2,089	
14.8%	32	2,121	2,089	
16.0%	30	2,121	2,091	
17.3%	30	2,121	2,091	
18.5%	29	2,121	2,092	
19.8%	28	2,121	2,093	
21.0%	25	2,121	2,096	
22.2%	25	2,121	2,096	
23.5%	21	2,121	2,101	
24.7%	20	2,121	2,101	
25.9%	18	2,121	2,103	
27.2%	17	2,121	2,104	
28.4%	9	2,121	2,112	
29.6%	8	2,121	2,113	
30.9%	8	2,121	2,113	
32.1%	7	2,121	2,114	
33.3%	4	2,121	2,117	
34.6%	3	2,121	2,118	
35.8%	3	2,121	2,119	
37.0%	2	2,121	2,119	
38.3%	2	2,121	2,119	
39.5%	1	2,094	2,093	
40.7%	1	2,081	2,080	
42.0%	1	2,044	2,043	
43.2%	1	1,932	1,931	
44.4%	1	1,642	1,641	
45.7%	1	1,538	1,537	
46.9%	0	1,021	1,021	
48.1%	0	773	773	
49.4%	0	717	717	
50.6%	0	468	468	
51.9%	0	192	192	
53.1%	0	175	175	
54.3%	0	107	107	
55.6%	0	93	93	
56.8%	0	54	54	
58.0%	0	53	53	
59.3%	0	51	51	
60.5%	0	50	50	
61.7%	0	43	43	
63.0%	0	35	35	
64.2%	0	34	34	
65.4%	0	34	34	
66.7%	0	29	29	
67.9%	0	29	29	
69.1%	0	28	28	
70.4%	0	18	18	
71.6%	0	17	17	
72.8%	0	15	15	
74.1%	0	11	11	
75.3%	0	10	10	
76.5%	0	9	9	
77.8%	0	9	9	
79.0%	0	9	9	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	616	2,250	1,634	265.0%
1.2%	551	1,988	1,437	260.9%
2.5%	428	1,947	1,519	355.1%
3.7%	393	1,947	1,554	395.8%
4.9%	376	1,935	1,559	414.7%
6.2%	374	1,933	1,560	417.5%
7.4%	351	1,924	1,573	448.3%
8.6%	335	1,850	1,515	453.0%
9.9%	328	1,818	1,491	455.0%
11.1%	303	1,664	1,362	449.6%
12.3%	280	1,099	819	291.9%
13.6%	274	756	482	175.5%
14.8%	260	560	300	115.6%
16.0%	246	549	303	123.2%
17.3%	242	456	213	88.0%
18.5%	236	374	137	58.1%
19.8%	230	354	124	54.1%
21.0%	218	353	135	62.0%
22.2%	201	336	135	67.3%
23.5%	200	335	135	67.5%
24.7%	181	327	146	80.8%
25.9%	174	313	139	80.0%
27.2%	172	311	139	80.8%
28.4%	172	274	103	59.8%
29.6%	169	263	94	56.0%
30.9%	167	261	95	56.8%
32.1%	158	259	101	63.6%
33.3%	150	239	90	59.8%
34.6%	147	224	77	52.2%
35.8%	141	196	54	38.6%
37.0%	141	183	42	29.6%
38.3%	131	178	47	36.0%
39.5%	127	172	45	35.7%
40.7%	115	160	46	39.8%
42.0%	114	151	36	31.6%
43.2%	110	150	40	36.3%
44.4%	103	143	40	38.8%
45.7%	103	141	38	37.3%
46.9%	102	131	29	28.5%
48.1%	93	116	23	24.4%
49.4%	93	112	19	20.3%
50.6%	93	106	13	14.5%
51.9%	85	100	15	18.0%
53.1%	85	94	9	11.2%
54.3%	74	93	19	26.4%
55.6%	71	93	22	31.0%
56.8%	70	90	20	28.5%
58.0%	59	84	25	42.2%
59.3%	54	84	30	55.6%
60.5%	48	80	32	66.9%
61.7%	47	75	28	58.1%
63.0%	47	74	27	57.0%
64.2%	47	70	23	48.5%
65.4%	46	67	21	45.1%
66.7%	46	58	12	26.3%
67.9%	45	55	10	23.4%
69.1%	43	48	5	11.4%
70.4%	40	47	7	18.1%
71.6%	40	47	7	18.3%
72.8%	40	46	6	16.1%
74.1%	37	45	7	19.4%
75.3%	37	44	7	17.6%
76.5%	36	41	5	13.9%
77.8%	36	41	5	14.6%
79.0%	35	40	6	16.2%
80.2%	33	40	7	20.4%
81.5%	32	38	6	18.2%
82.7%	29	37	8	28.6%
84.0%	29	36	7	25.1%
85.2%	29	36	7	25.0%
86.4%	24	33	9	35.3%
87.7%	23	29	6	24.7%
88.9%	23	29	6	26.6%
90.1%	22	27	5	23.6%
91.4%	21	27	6	29.1%
92.6%	16	27	11	72.3%
93.8%	15	23	8	55.7%
95.1%	14	22	8	62.0%
96.3%	0	21	21	
97.5%	0	19	19	
98.8%	0	16	16	
100.0%	0	16	16	

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	911	2,250	1,339	147.0%
1.2%	894	2,250	1,356	151.6%
2.5%	868	2,151	1,283	147.7%
3.7%	848	2,099	1,251	147.4%
4.9%	805	1,310	505	62.8%
6.2%	803	1,262	459	57.2%
7.4%	780	911	131	16.8%
8.6%	763	852	90	11.8%
9.9%	741	848	108	14.5%
11.1%	739	780	41	5.5%
12.3%	736	763	27	3.7%
13.6%	722	741	18	2.6%
14.8%	697	736	39	5.6%
16.0%	681	722	42	6.1%
17.3%	675	693	18	2.7%
18.5%	665	676	11	1.7%
19.8%	652	675	23	3.6%
21.0%	642	665	22	3.5%
22.2%	635	652	17	2.7%
23.5%	627	652	24	3.8%
24.7%	626	635	9	1.4%
25.9%	621	606	-16	-2.5%
27.2%	617	575	-42	-6.8%
28.4%	575	566	-9	-1.6%
29.6%	552	529	-23	-4.2%
30.9%	550	529	-21	-3.9%
32.1%	529	524	-4	-0.8%
33.3%	529	504	-25	-4.7%
34.6%	528	498	-30	-5.6%
35.8%	522	478	-44	-8.5%
37.0%	519	477	-43	-8.2%
38.3%	508	458	-50	-9.8%
39.5%	488	454	-34	-7.0%
40.7%	477	434	-43	-9.0%
42.0%	475	416	-59	-12.5%
43.2%	472	407	-64	-13.7%
44.4%	464	404	-61	-13.0%
45.7%	461	394	-68	-14.6%
46.9%	454	391	-63	-13.9%
48.1%	445	388	-57	-12.9%
49.4%	436	380	-55	-12.7%
50.6%	431	342	-88	-20.5%
51.9%	428	341	-88	-20.5%
53.1%	420	328	-92	-22.0%
54.3%	418	327	-91	-21.8%
55.6%	416	326	-90	-21.7%
56.8%	397	323	-74	-18.6%
58.0%	391	321	-70	-17.9%
59.3%	362	280	-82	-22.7%
60.5%	341	264	-78	-22.8%
61.7%	309	263	-46	-14.9%
63.0%	290	251	-39	-13.4%
64.2%	284	235	-49	-17.1%
65.4%	252	213	-39	-15.4%
66.7%	231	210	-21	-9.1%
67.9%	229	189	-40	-17.4%
69.1%	224	188	-36	-16.2%
70.4%	207	182	-26	-12.3%
71.6%	194	181	-13	-6.5%
72.8%	184	180	-4	-2.2%
74.1%	180	177	-4	-2.0%
75.3%	180	176	-4	-2.5%
76.5%	156	162	6	3.8%
77.8%	151	156	4	2.9%
79.0%	148	152	4	2.7%
80.2%	135	152	18	13.1%
81.5%	132	150	18	13.3%
82.7%	118	143	25	21.5%
84.0%	113	142	29	25.5%
85.2%	108	141	34	31.5%
86.4%	103	141	38	37.4%
87.7%	100	119	19	19.1%
88.9%	99	100	0	0.2%
90.1%	95	95	0	0.0%
91.4%	95	84	-11	-11.9%
92.6%	88	81	-6	-7.2%
93.8%	56	76	20	35.3%
95.1%	22	58	36	168.1%
96.3%	20	53	32	
97.5%	0	52	52	
98.8%	0	52	52	
100.0%	0	25	25	

Table OP-01-9b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,319	2,250	931	70.6%
1.2%	1,315	2,250	935	71.1%
2.5%	1,311	1,319	8	0.6%
3.7%	1,290	1,314	23	1.8%
4.9%	1,274	1,274	0	0.0%
6.2%	1,272	1,271	-1	-0.1%
7.4%	1,272	1,242	-30	-2.4%
8.6%	1,257	1,202	-55	-4.4%
9.9%	1,230	1,193	-37	-3.0%
11.1%	1,218	1,188	-30	-2.4%
12.3%	1,205	1,182	-23	-1.9%
13.6%	1,202	1,172	-30	-2.5%
14.8%	1,200	1,158	-42	-3.5%
16.0%	1,182	1,153	-29	-2.5%
17.3%	1,148	1,130	-19	-1.6%
18.5%	1,134	1,127	-7	-0.7%
19.8%	1,127	1,116	-10	-0.9%
21.0%	1,127	1,068	-59	-5.2%
22.2%	1,121	1,062	-59	-5.3%
23.5%	1,121	1,055	-66	-5.9%
24.7%	1,100	950	-150	-13.6%
25.9%	1,089	938	-151	-13.9%
27.2%	1,084	935	-149	-13.7%
28.4%	1,060	925	-135	-12.7%
29.6%	1,057	915	-142	-13.4%
30.9%	1,055	912	-143	-13.5%
32.1%	1,006	852	-154	-15.3%
33.3%	989	835	-153	-15.5%
34.6%	983	831	-152	-15.4%
35.8%	979	799	-180	-18.4%
37.0%	975	785	-190	-19.5%
38.3%	938	774	-164	-17.5%
39.5%	932	738	-193	-20.8%
40.7%	931	715	-216	-23.2%
42.0%	926	668	-258	-27.8%
43.2%	877	666	-212	-24.1%
44.4%	874	629	-244	-28.0%
45.7%	869	600	-269	-30.9%
46.9%	833	597	-236	-28.4%
48.1%	815	556	-259	-31.7%
49.4%	803	545	-258	-32.1%
50.6%	801	531	-271	-33.8%
51.9%	791	525	-266	-33.6%
53.1%	747	523	-224	-30.0%
54.3%	731	501	-230	-31.5%
55.6%	693	475	-218	-31.5%
56.8%	692	471	-222	-32.0%
58.0%	673	467	-206	-30.6%
59.3%	663	451	-212	-32.0%
60.5%	663	443	-220	-33.2%
61.7%	662	439	-223	-33.7%
63.0%	661	424	-237	-35.9%
64.2%	599	411	-188	-31.4%
65.4%	556	410	-146	-26.3%
66.7%	553	407	-146	-26.4%
67.9%	453	403	-50	-11.1%
69.1%	446	399	-47	-10.6%
70.4%	430	391	-39	-9.0%
71.6%	399	377	-21	-5.3%
72.8%	355	370	15	4.2%
74.1%	350	345	-5	-1.6%
75.3%	346	323	-23	-6.6%
76.5%	345	312	-33	-9.4%
77.8%	343	310	-33	-9.6%
79.0%	331	310	-22	-6.6%
80.2%	326	295	-31	-9.4%
81.5%	319	273	-45	-14.2%
82.7%	312	272	-40	-12.7%
84.0%	299	271	-28	-9.3%
85.2%	274	263	-12	-4.2%
86.4%	273	253	-19	-7.1%
87.7%	261	226	-35	-13.5%
88.9%	247	221	-26	-10.5%
90.1%	228	218	-11	-4.7%
91.4%	221	209	-12	-5.6%
92.6%	219	198	-22	-9.9%
93.8%	188	195	7	3.6%
95.1%	167	161	-6	-3.7%
96.3%	161	154	-8	-4.8%
97.5%	114	114	0	-0.1%
98.8%	34	54	20	
100.0%	0	54	54	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	2,015	618	44.3%
1.2%	1,384	1,891	507	36.6%
2.5%	1,383	1,397	14	1.0%
3.7%	1,382	1,380	-2	-0.1%
4.9%	1,380	1,379	-2	-0.1%
6.2%	1,379	1,375	-3	-0.2%
7.4%	1,378	1,367	-11	-0.8%
8.6%	1,375	1,356	-19	-1.4%
9.9%	1,373	1,350	-23	-1.7%
11.1%	1,367	1,330	-37	-2.7%
12.3%	1,361	1,283	-78	-5.7%
13.6%	1,356	1,278	-78	-5.7%
14.8%	1,350	1,273	-77	-5.7%
16.0%	1,331	1,271	-60	-4.5%
17.3%	1,330	1,249	-81	-6.1%
18.5%	1,283	1,216	-66	-5.2%
19.8%	1,282	1,210	-73	-5.7%
21.0%	1,278	1,158	-121	-9.4%
22.2%	1,278	1,059	-219	-17.1%
23.5%	1,273	1,053	-220	-17.2%
24.7%	1,265	973	-293	-23.1%
25.9%	1,259	958	-302	-24.0%
27.2%	1,249	938	-311	-24.9%
28.4%	1,210	893	-316	-26.1%
29.6%	1,193	828	-365	-30.6%
30.9%	1,174	816	-358	-30.5%
32.1%	1,158	795	-363	-31.4%
33.3%	1,150	752	-398	-34.6%
34.6%	1,043	712	-331	-31.7%
35.8%	1,012	622	-390	-38.5%
37.0%	976	618	-358	-36.7%
38.3%	973	609	-364	-37.4%
39.5%	968	589	-378	-39.1%
40.7%	956	562	-394	-41.2%
42.0%	955	558	-397	-41.6%
43.2%	945	548	-397	-42.0%
44.4%	940	548	-392	-41.7%
45.7%	897	540	-357	-39.8%
46.9%	875	531	-344	-39.3%
48.1%	844	501	-342	-40.6%
49.4%	843	501	-342	-40.6%
50.6%	836	491	-345	-41.2%
51.9%	831	487	-344	-41.4%
53.1%	822	486	-337	-41.0%
54.3%	815	468	-346	-42.5%
55.6%	796	462	-334	-41.9%
56.8%	776	453	-323	-41.7%
58.0%	756	453	-303	-40.1%
59.3%	752	449	-304	-40.4%
60.5%	749	447	-302	-40.4%
61.7%	688	444	-243	-35.4%
63.0%	666	441	-225	-33.8%
64.2%	627	433	-194	-30.9%
65.4%	618	430	-189	-30.5%
66.7%	569	414	-154	-27.2%
67.9%	534	412	-122	-22.8%
69.1%	492	411	-81	-16.4%
70.4%	422	409	-14	-3.3%
71.6%	395	399	3	0.9%
72.8%	372	392	19	5.2%
74.1%	360	380	20	5.7%
75.3%	353	372	18	5.2%
76.5%	353	359	6	1.7%
77.8%	333	356	22	6.8%
79.0%	324	353	29	8.8%
80.2%	323	352	29	8.9%
81.5%	299	351	52	17.4%
82.7%	299	351	53	17.7%
84.0%	291	339	48	16.6%
85.2%	290	337	46	16.0%
86.4%	285	334	49	17.3%
87.7%	261	318	56	21.6%
88.9%	260	313	53	20.3%
90.1%	252	304	53	21.0%
91.4%	249	296	48	19.2%
92.6%	222	291	69	31.1%
93.8%	201	287	87	43.2%
95.1%	158	278	120	75.8%
96.3%	69	262	193	278.7%
97.5%	0	222	222	
98.8%	0	172	172	
100.0%	0	62	62	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	2,250	1,136	102.0%
1.2%	1,103	1,909	806	73.0%
2.5%	1,103	1,392	289	26.2%
3.7%	1,102	1,114	12	1.1%
4.9%	1,101	1,103	2	0.2%
6.2%	1,100	1,103	3	0.2%
7.4%	1,100	1,102	2	0.2%
8.6%	1,092	1,101	9	0.9%
9.9%	1,091	1,100	9	0.8%
11.1%	1,086	1,100	13	1.2%
12.3%	1,083	1,092	9	0.8%
13.6%	1,080	1,091	11	1.1%
14.8%	1,078	1,083	4	0.4%
16.0%	1,064	1,080	16	1.5%
17.3%	1,062	1,078	16	1.5%
18.5%	1,028	1,062	34	3.3%
19.8%	1,024	1,024	0	0.0%
21.0%	1,021	1,015	-6	-0.6%
22.2%	1,017	1,000	-17	-1.7%
23.5%	1,012	955	-57	-5.6%
24.7%	1,000	954	-47	-4.7%
25.9%	963	949	-14	-1.4%
27.2%	954	928	-25	-2.6%
28.4%	953	923	-29	-3.1%
29.6%	937	897	-41	-4.3%
30.9%	935	856	-79	-8.4%
32.1%	923	856	-67	-7.3%
33.3%	918	825	-93	-10.1%
34.6%	904	796	-108	-12.0%
35.8%	805	795	-10	-1.3%
37.0%	788	774	-15	-1.8%
38.3%	782	759	-23	-2.9%
39.5%	779	712	-68	-8.7%
40.7%	776	681	-95	-12.3%
42.0%	768	680	-87	-11.4%
43.2%	754	671	-83	-11.0%
44.4%	713	660	-54	-7.5%
45.7%	698	658	-40	-5.7%
46.9%	672	638	-34	-5.0%
48.1%	660	630	-30	-4.5%
49.4%	659	593	-66	-10.0%
50.6%	654	542	-112	-17.2%
51.9%	635	494	-141	-22.2%
53.1%	635	469	-167	-26.3%
54.3%	622	464	-158	-25.4%
55.6%	619	457	-162	-26.1%
56.8%	603	434	-169	-28.0%
58.0%	599	432	-167	-27.9%
59.3%	581	431	-150	-25.9%
60.5%	567	429	-137	-24.2%
61.7%	548	417	-131	-23.9%
63.0%	523	403	-120	-22.9%
64.2%	522	403	-119	-22.8%
65.4%	494	398	-97	-19.6%
66.7%	494	388	-106	-21.4%
67.9%	467	378	-89	-19.0%
69.1%	467	362	-105	-22.5%
70.4%	455	362	-93	-20.4%
71.6%	426	361	-65	-15.3%
72.8%	424	349	-75	-17.6%
74.1%	423	341	-82	-19.4%
75.3%	412	334	-78	-18.9%
76.5%	390	333	-56	-14.5%
77.8%	386	331	-54	-14.1%
79.0%	362	313	-48	-13.4%
80.2%	316	313	-3	-0.9%
81.5%	298	310	13	4.2%
82.7%	287	296	9	3.1%
84.0%	266	288	22	8.4%
85.2%	258	272	15	5.6%
86.4%	257	267	10	4.0%
87.7%	232	267	34	14.8%
88.9%	230	257	27	11.8%
90.1%	209	245	36	17.3%
91.4%	208	238	30	14.7%
92.6%	198	237	39	19.6%
93.8%	156	233	77	49.4%
95.1%	126	223	97	76.5%
96.3%	51	216	165	326.2%
97.5%	0	204	204	
98.8%	0	142	142	
100.0%	0	62	62	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	352	339	-13	-3.6%
1.2%	312	312	0	0.0%
2.5%	309	304	-5	-1.8%
3.7%	304	304	0	-0.1%
4.9%	304	292	-11	-3.7%
6.2%	301	273	-28	-9.2%
7.4%	299	273	-26	-8.7%
8.6%	298	266	-32	-10.8%
9.9%	296	264	-33	-11.0%
11.1%	288	256	-33	-11.3%
12.3%	280	241	-39	-13.9%
13.6%	275	221	-54	-19.7%
14.8%	275	221	-54	-19.7%
16.0%	273	214	-59	-21.5%
17.3%	273	205	-68	-24.8%
18.5%	267	201	-66	-24.6%
19.8%	266	196	-70	-26.4%
21.0%	265	169	-96	-36.3%
22.2%	264	167	-96	-36.6%
23.5%	260	162	-98	-37.6%
24.7%	251	159	-92	-36.5%
25.9%	248	137	-112	-45.0%
27.2%	243	130	-113	-46.4%
28.4%	228	127	-101	-44.2%
29.6%	225	121	-104	-46.2%
30.9%	225	119	-106	-47.0%
32.1%	214	109	-105	-49.1%
33.3%	212	109	-103	-48.7%
34.6%	212	108	-104	-48.9%
35.8%	196	106	-90	-45.8%
37.0%	181	101	-79	-43.8%
38.3%	180	91	-89	-49.6%
39.5%	172	88	-84	-49.0%
40.7%	160	78	-82	-51.3%
42.0%	160	78	-82	-51.2%
43.2%	158	73	-85	-54.0%
44.4%	155	72	-83	-53.5%
45.7%	135	70	-65	-48.1%
46.9%	131	68	-63	-47.9%
48.1%	130	62	-68	-52.3%
49.4%	117	62	-55	-46.9%
50.6%	111	59	-51	-46.4%
51.9%	108	58	-49	-45.8%
53.1%	104	58	-47	-44.7%
54.3%	104	57	-47	-44.8%
55.6%	104	57	-47	-44.9%
56.8%	104	57	-47	-45.2%
58.0%	104	55	-48	-46.6%
59.3%	97	54	-43	-44.6%
60.5%	96	53	-42	-44.2%
61.7%	92	51	-41	-44.2%
63.0%	91	49	-43	-46.6%
64.2%	91	48	-43	-46.9%
65.4%	91	48	-43	-46.8%
66.7%	88	48	-40	-45.5%
67.9%	83	47	-36	-43.4%
69.1%	82	47	-36	-43.3%
70.4%	82	46	-36	-43.6%
71.6%	82	44	-38	-46.4%
72.8%	79	44	-36	-45.1%
74.1%	76	39	-37	-49.1%
75.3%	73	37	-36	-49.2%
76.5%	72	37	-35	-48.2%
77.8%	71	33	-39	-53.9%
79.0%	63	30	-34	-53.0%
80.2%	57	26	-31	-54.6%
81.5%	56	24	-31	-56.2%
82.7%	54	22	-32	-59.4%
84.0%	51	21	-29	-57.9%
85.2%	32	20	-11	-36.4%
86.4%	23	20	-4	-15.5%
87.7%	22	18	-3	-15.9%
88.9%	21	16	-6	-26.8%
90.1%	20	15	-6	-27.8%
91.4%	18	14	-4	-20.3%
92.6%	16	14	-3	-16.6%
93.8%	16	12	-4	-24.0%
95.1%	15	12	-3	-19.4%
96.3%	12	12	0	-2.2%
97.5%	0	9	9	
98.8%	0	7	7	
100.0%	0	6	6	

Table OP-02-9a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	753	445	210	83	68	40	2,190	2,085	2,903	2,798	2,066	548
Alternative D	714	425	586	240	277	573	2,310	2,088	2,451	2,253	1,956	472
Difference	-39	-20	376	157	209	533	120	3	-453	-545	-110	-76
Percent Difference[3]	-5.2%	-4.5%					5.5%	0.1%	-15.6%	-19.5%	-5.3%	-13.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	793	461	229	80	67	31	2,022	2,122	2,969	2,871	2,139	576
Alternative D	675	369	684	258	267	317	2,116	2,253	2,826	2,297	2,287	462
Difference	-118	-91	455	177	200	286	94	131	-143	-574	148	-114
Percent Difference	-14.9%	-19.8%					4.6%	6.2%	-4.8%	-20.0%	6.9%	-19.8%
Above Normal (15%)												
No Action Alternative	779	453	207	73	65	26	2,160	2,078	2,983	2,888	2,146	573
Alternative D	875	516	797	326	352	859	2,542	2,341	2,495	2,293	1,948	508
Difference	96	64	590	253	288	833	382	264	-488	-595	-198	-65
Percent Difference	12.3%	14.1%					17.7%	12.7%	-16.3%	-20.6%	-9.2%	-11.3%
Below Normal (17%)												
No Action Alternative	780	462	195	89	68	45	2,302	2,179	2,952	2,886	2,159	564
Alternative D	709	432	612	281	289	748	2,724	2,241	2,517	2,288	1,839	477
Difference	-71	-30	416	191	221	703	422	62	-435	-598	-319	-87
Percent Difference	-9.1%	-6.5%					18.3%	2.9%	-14.7%	-20.7%	-14.8%	-15.4%
Dry (22%)												
No Action Alternative	784	427	223	86	69	43	2,317	2,145	2,958	2,841	2,108	543
Alternative D	733	464	463	179	294	791	2,316	1,878	1,987	2,256	1,841	493
Difference	-51	36	240	92	225	748	-1	-268	-971	-585	-268	-50
Percent Difference	-6.5%	8.5%	107.5%				0.0%	-12.5%	-32.8%	-20.6%	-12.7%	-9.2%
Critical (15%)												
No Action Alternative	566	413	170	89	68	64	2,264	1,811	2,541	2,384	1,657	456
Alternative D	618	390	316	160	182	310	2,007	1,613	2,210	2,071	1,554	421
Difference	52	-22	146	71	114	245	-258	-198	-331	-313	-103	-35
Percent Difference	9.1%	-5.4%	85.9%				-11.4%	-10.9%	-13.0%	-13.1%	-6.2%	-7.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-02-9b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

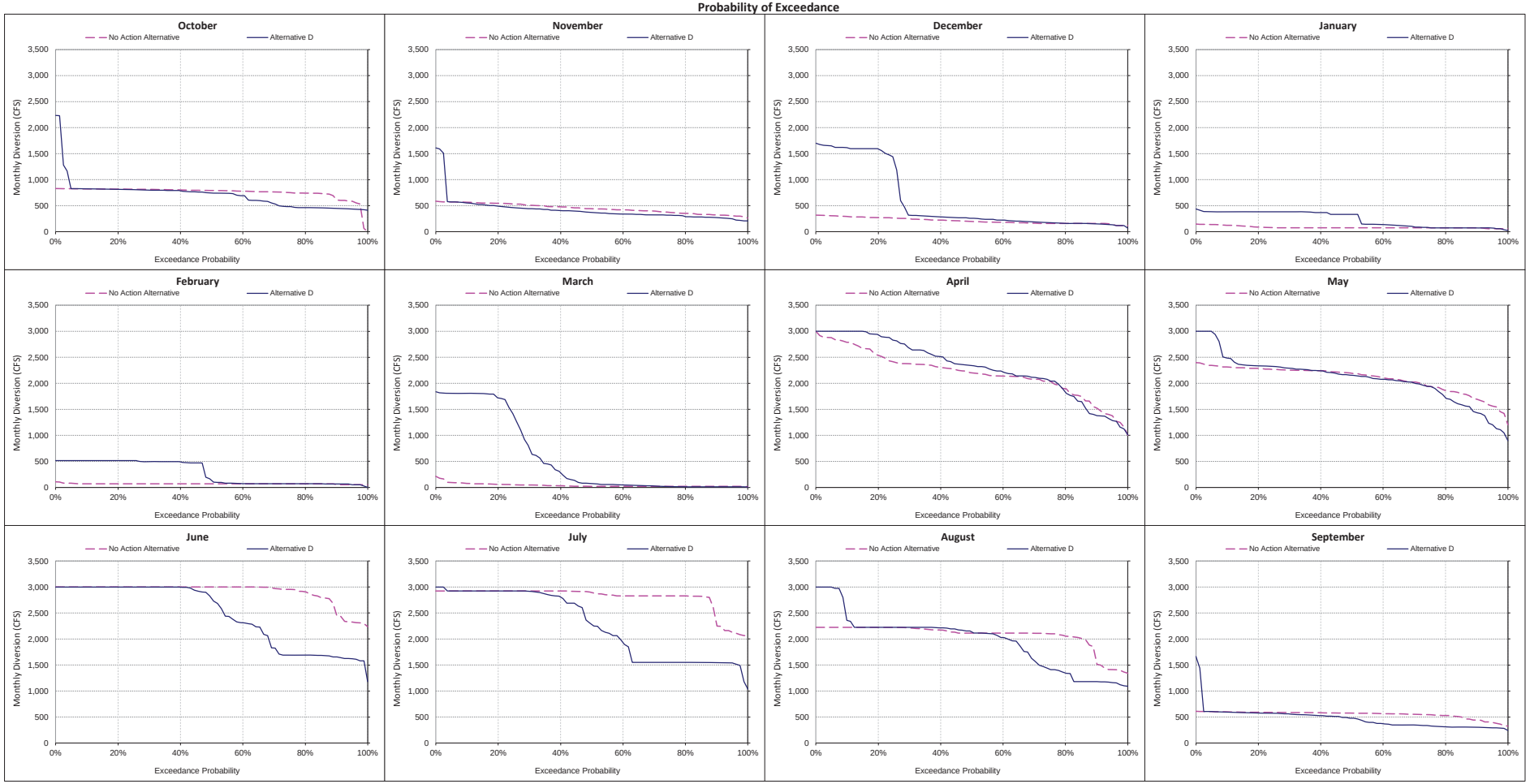

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,235	1,406	169.6%
1.2%	828	2,230	1,402	169.4%
2.5%	826	1,280	454	54.9%
3.7%	825	1,167	341	41.4%
4.9%	825	828	2	0.3%
6.2%	823	825	2	0.2%
7.4%	823	825	2	0.2%
8.6%	823	823	0	0.0%
9.9%	822	822	0	0.0%
11.1%	822	822	0	0.0%
12.3%	822	822	0	0.0%
13.6%	821	821	-1	-0.1%
14.8%	821	820	-1	-0.2%
16.0%	821	819	-2	-0.2%
17.3%	820	818	-2	-0.3%
18.5%	819	815	-4	-0.5%
19.8%	819	815	-5	-0.6%
21.0%	819	813	-6	-0.8%
22.2%	818	812	-6	-0.7%
23.5%	816	809	-6	-0.8%
24.7%	816	807	-8	-1.0%
25.9%	815	805	-10	-1.3%
27.2%	815	803	-12	-1.5%
28.4%	814	802	-13	-1.6%
29.6%	813	799	-14	-1.7%
30.9%	812	796	-16	-1.9%
32.1%	811	796	-15	-1.9%
33.3%	809	795	-15	-1.8%
34.6%	809	794	-14	-1.8%
35.8%	807	793	-14	-1.7%
37.0%	806	791	-15	-1.8%
38.3%	805	791	-14	-1.8%
39.5%	803	790	-12	-1.5%
40.7%	802	779	-23	-2.8%
42.0%	799	773	-25	-3.2%
43.2%	796	767	-29	-3.7%
44.4%	796	765	-31	-3.9%
45.7%	795	761	-34	-4.2%
46.9%	794	760	-34	-4.3%
48.1%	793	754	-39	-5.0%
49.4%	792	743	-49	-6.1%
50.6%	791	742	-49	-6.2%
51.9%	791	741	-49	-6.2%
53.1%	790	741	-49	-6.2%
54.3%	787	739	-49	-6.2%
55.6%	787	738	-49	-6.2%
56.8%	787	734	-53	-6.8%
58.0%	781	702	-79	-10.2%
59.3%	779	693	-86	-11.0%
60.5%	778	691	-86	-11.1%
61.7%	777	607	-170	-21.9%
63.0%	773	602	-172	-22.2%
64.2%	772	601	-170	-22.1%
65.4%	768	596	-172	-22.4%
66.7%	767	587	-180	-23.5%
67.9%	767	584	-183	-23.9%
69.1%	765	553	-212	-27.7%
70.4%	764	532	-232	-30.4%
71.6%	761	496	-265	-34.8%
72.8%	760	486	-274	-36.1%
74.1%	754	480	-274	-36.3%
75.3%	749	480	-270	-36.0%
76.5%	743	465	-278	-37.4%
77.8%	743	464	-279	-37.6%
79.0%	742	462	-280	-37.8%
80.2%	741	462	-280	-37.7%
81.5%	741	460	-281	-37.9%
82.7%	739	459	-279	-37.8%
84.0%	738	459	-279	-37.8%
85.2%	734	458	-275	-37.5%
86.4%	727	458	-269	-37.0%
87.7%	722	456	-267	-36.9%
88.9%	693	454	-239	-34.5%
90.1%	607	448	-159	-26.2%
91.4%	602	441	-160	-26.6%
92.6%	601	441	-160	-26.6%
93.8%	587	439	-148	-25.2%
95.1%	584	439	-145	-24.8%
96.3%	553	434	-119	-21.4%
97.5%	532	426	-106	-19.9%
98.8%	63	424	361	573.9%
100.0%	0	413	413	

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,609	1,023	174.8%
1.2%	577	1,590	1,013	175.4%
2.5%	572	1,511	940	164.4%
3.7%	571	577	6	1.0%
4.9%	571	571	0	0.0%
6.2%	571	571	0	0.0%
7.4%	571	569	-2	-0.3%
8.6%	569	562	-7	-1.2%
9.9%	566	552	-14	-2.5%
11.1%	564	546	-18	-3.2%
12.3%	560	537	-23	-4.1%
13.6%	555	524	-31	-5.6%
14.8%	551	524	-26	-4.8%
16.0%	550	514	-36	-6.5%
17.3%	548	501	-48	-8.7%
18.5%	546	500	-47	-8.5%
19.8%	546	494	-51	-9.4%
21.0%	545	489	-56	-10.4%
22.2%	544	473	-72	-13.1%
23.5%	539	466	-73	-13.5%
24.7%	533	465	-67	-12.6%
25.9%	529	456	-73	-13.7%
27.2%	529	450	-79	-14.9%
28.4%	516	450	-66	-12.8%
29.6%	508	444	-64	-12.6%
30.9%	507	442	-64	-12.7%
32.1%	502	437	-66	-13.1%
33.3%	501	435	-66	-13.1%
34.6%	501	428	-73	-14.5%
35.8%	482	426	-56	-11.7%
37.0%	482	412	-69	-14.4%
38.3%	481	412	-69	-14.4%
39.5%	479	405	-74	-15.4%
40.7%	475	402	-72	-15.3%
42.0%	474	401	-73	-15.5%
43.2%	465	400	-65	-13.9%
44.4%	457	400	-58	-12.6%
45.7%	457	390	-67	-14.7%
46.9%	450	387	-63	-14.0%
48.1%	443	378	-66	-14.8%
49.4%	442	370	-72	-16.2%
50.6%	438	368	-71	-16.1%
51.9%	438	361	-77	-17.6%
53.1%	436	357	-79	-18.1%
54.3%	435	356	-79	-18.2%
55.6%	428	347	-81	-19.0%
56.8%	426	344	-81	-19.1%
58.0%	421	341	-80	-18.9%
59.3%	420	341	-79	-18.8%
60.5%	420	338	-82	-19.6%
61.7%	417	338	-80	-19.1%
63.0%	411	335	-75	-18.4%
64.2%	408	331	-77	-18.9%
65.4%	405	330	-75	-18.4%
66.7%	401	325	-76	-18.9%
67.9%	400	325	-75	-18.9%
69.1%	398	323	-75	-18.8%
70.4%	396	323	-72	-18.3%
71.6%	386	323	-63	-16.4%
72.8%	379	322	-57	-15.0%
74.1%	376	319	-57	-15.1%
75.3%	369	316	-53	-14.5%
76.5%	364	313	-51	-14.0%
77.8%	357	312	-45	-12.6%
79.0%	353	305	-48	-13.6%
80.2%	351	289	-61	-17.5%
81.5%	349	288	-61	-17.3%
82.7%	346	284	-62	-17.8%
84.0%	333	283	-50	-15.1%
85.2%	331	281	-50	-15.1%
86.4%	330	279	-51	-15.5%
87.7%	330	279	-51	-15.4%
88.9%	323	277	-46	-14.2%
90.1%	322	268	-54	-16.8%
91.4%	318	266	-53	-16.5%
92.6%	318	259	-59	-18.6%
93.8%	312	256	-56	-18.1%
95.1%	306	248	-58	-18.9%
96.3%	299	222	-77	-25.8%
97.5%	298	216	-82	-27.6%
98.8%	285	209	-76	-26.7%
100.0%	263	205	-57	-21.8%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,674	1,358	429.8%
2.5%	314	1,663	1,349	428.9%
3.7%	310	1,655	1,345	433.3%
4.9%	306	1,649	1,343	439.4%
6.2%	304	1,623	1,319	434.5%
7.4%	298	1,620	1,322	444.3%
8.6%	296	1,619	1,322	446.1%
9.9%	292	1,614	1,322	452.0%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	283	1,597	1,314	464.7%
14.8%	282	1,597	1,315	465.5%
16.0%	277	1,597	1,320	477.0%
17.3%	272	1,597	1,325	486.3%
18.5%	271	1,597	1,326	488.9%
19.8%	270	1,597	1,327	490.7%
21.0%	268	1,558	1,290	480.7%
22.2%	268	1,505	1,237	461.5%
23.5%	268	1,476	1,208	451.0%
24.7%	263	1,439	1,176	447.0%
25.9%	259	1,187	928	358.0%
27.2%	255	596	341	133.5%
28.4%	254	473	219	86.0%
29.6%	253	318	65	25.5%
30.9%	240	314	75	31.1%
32.1%	239	310	72	30.1%
33.3%	237	306	69	29.1%
34.6%	235	304	69	29.1%
35.8%	231	298	66	28.6%
37.0%	225	296	72	31.9%
38.3%	224	292	69	30.6%
39.5%	222	284	62	27.9%
40.7%	222	282	61	27.3%
42.0%	216	277	61	28.0%
43.2%	212	272	60	28.3%
44.4%	212	271	59	28.0%
45.7%	209	268	59	28.1%
46.9%	204	268	64	31.2%
48.1%	201	268	67	33.0%
49.4%	197	259	62	31.5%
50.6%	194	255	61	31.6%
51.9%	193	254	61	31.5%
53.1%	189	240	51	26.9%
54.3%	185	239	55	29.5%
55.6%	184	239	55	29.9%
56.8%	183	237	54	29.7%
58.0%	181	225	44	24.4%
59.3%	180	222	42	23.4%
60.5%	179	222	42	23.7%
61.7%	179	212	34	18.8%
63.0%	175	210	35	19.8%
64.2%	172	204	33	19.0%
65.4%	171	201	30	17.5%
66.7%	171	197	26	15.0%
67.9%	166	194	27	16.5%
69.1%	161	193	32	19.8%
70.4%	161	185	24	14.7%
71.6%	159	183	24	15.1%
72.8%	158	180	22	14.2%
74.1%	158	172	14	8.8%
75.3%	158	171	14	8.6%
76.5%	158	171	14	8.6%
77.8%	158	161	4	2.4%
79.0%	158	161	3	2.0%
80.2%	158	159	1	0.5%
81.5%	158	158	0	0.0%
82.7%	158	158	0	0.0%
84.0%	158	158	0	0.0%
85.2%	158	158	0	0.0%
86.4%	158	158	0	0.0%
87.7%	158	158	0	0.0%
88.9%	158	157	0	-0.3%
90.1%	158	152	-6	-3.7%
91.4%	158	141	-17	-10.6%
92.6%	158	139	-19	-11.9%
93.8%	152	139	-13	-8.4%
95.1%	138	131	-7	-5.3%
96.3%	119	119	0	0.0%
97.5%	119	119	0	0.0%
98.8%	119	119	0	0.0%
100.0%	119	66	-53	-44.6%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	141	411	270	192.2%
2.5%	141	387	246	175.4%
3.7%	139	384	244	175.4%
4.9%	137	384	246	179.5%
6.2%	137	384	247	181.1%
7.4%	133	384	250	187.9%
8.6%	127	384	256	201.4%
9.9%	122	384	262	214.3%
11.1%	122	384	262	214.3%
12.3%	120	384	264	220.6%
13.6%	114	384	270	236.4%
14.8%	108	384	276	255.1%
16.0%	105	384	279	266.6%
17.3%	102	384	282	277.5%
18.5%	91	384	292	320.3%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	384	309	413.0%
37.0%	75	373	298	398.8%
38.3%	75	365	291	388.4%
39.5%	75	365	291	388.4%
40.7%	75	365	291	388.4%
42.0%	75	365	291	388.4%
43.2%	75	332	258	344.2%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	332	258	344.2%
53.1%	75	147	72	95.9%
54.3%	75	144	69	92.7%
55.6%	75	141	66	87.9%
56.8%	75	141	66	87.9%
58.0%	75	139	65	86.2%
59.3%	75	137	63	83.6%
60.5%	75	137	62	82.5%
61.7%	75	133	59	78.2%
63.0%	75	122	47	63.2%
64.2%	75	122	47	63.2%
65.4%	75	120	45	60.0%
66.7%	75	114	39	52.5%
67.9%	75	108	33	44.5%
69.1%	75	101	26	34.5%
70.4%	75	87	12	16.6%
71.6%	75	87	12	16.1%
72.8%	75	82	7	10.0%
74.1%	75	80	6	7.5%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	63	75	12	18.6%
93.8%	56	75	18	32.5%
95.1%	56	75	18	32.5%
96.3%	56	56	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	37	-19	-33.8%
100.0%	56	23	-33	-58.8%

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	83	513	430	520.3%
3.7%	81	513	432	534.2%
4.9%	80	513	433	541.7%
6.2%	74	513	439	590.2%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	496	428	625.5%
28.4%	68	496	428	625.5%
29.6%	68	496	428	625.5%
30.9%	68	496	428	625.5%
32.1%	68	495	427	624.1%
33.3%	68	495	427	624.1%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	479	411	600.5%
42.0%	68	474	405	592.2%
43.2%	68	471	402	587.8%
44.4%	68	471	402	587.8%
45.7%	68	471	402	587.8%
46.9%	68	471	402	587.8%
48.1%	68	194	126	183.7%
49.4%	68	164	96	139.7%
50.6%	68	100	32	46.7%
51.9%	68	97	29	41.7%
53.1%	68	93	25	35.9%
54.3%	68	83	14	20.7%
55.6%	68	80	12	16.9%
56.8%	68	80	11	16.5%
58.0%	68	77	9	13.2%
59.3%	68	74	6	8.7%
60.5%	68	68	0	0.0%
61.7%	68	68	0	0.0%
63.0%	68	68	0	0.0%
64.2%	68	68	0	0.0%
65.4%	68	68	0	0.0%
66.7%	68	68	0	0.0%
67.9%	68	68	0	0.0%
69.1%	68	68	0	0.0%
70.4%	66	68	2	3.6%
71.6%	66	68	2	3.6%
72.8%	66	68	2	3.6%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	66	0	0.0%
87.7%	66	66	0	0.0%
88.9%	66	66	0	0.0%
90.1%	52	66	14	27.8%
91.4%	52	66	14	27.8%
92.6%	52	66	14	27.8%
93.8%	52	66	14	27.8%
95.1%	52	52	0	0.0%
96.3%	52	52	0	0.0%
97.5%	52	52	0	0.0%
98.8%	50	26	-24	-48.5%
100.0%	50	0	-50	-100.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212	1,838	1,626	768.1%
1.2%	176	1,819	1,643	935.0%
2.5%	162	1,807	1,644	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	77	1,807	1,730	
11.1%	74	1,807	1,733	
12.3%	69	1,807	1,737	
13.6%	69	1,807	1,738	
14.8%	68	1,802	1,733	
16.0%	66	1,797	1,731	
17.3%	66	1,793	1,727	
18.5%	61	1,793	1,731	
19.8%	58	1,724	1,665	
21.0%	58	1,709	1,651	
22.2%	56	1,689	1,633	
23.5%	56	1,540	1,484	
24.7%	50	1,418	1,368	
25.9%	48	1,257	1,209	
27.2%	47	1,104	1,058	
28.4%	46	920	874	
29.6%	46	812	766	
30.9%	45	633	588	
32.1%	44	616	572	
33.3%	41	565	524	
34.6%	40	460	419	
35.8%	33	448	416	
37.0%	32	432	399	
38.3%	32	342	310	961.3%
39.5%	30	310	279	916.5%
40.7%	30	235	204	676.2%
42.0%	25	171	146	589.9%
43.2%	25	150	125	506.1%
44.4%	22	136	114	515.0%
45.7%	22	94	72	325.5%
46.9%	22	82	60	272.0%
48.1%	22	78	57	260.2%
49.4%	20	74	54	277.9%
50.6%	20	71	52	266.1%
51.9%	20	67	47	242.5%
53.1%	20	55	36	183.6%
54.3%	20	54	35	177.2%
55.6%	20	53	34	171.8%
56.8%	20	53	34	171.8%
58.0%	20	51	31	160.0%
59.3%	20	47	27	138.8%
60.5%	20	46	27	136.4%
61.7%	20	45	25	128.9%
63.0%	20	39	20	101.0%
64.2%	20	37	17	89.2%
65.4%	20	35	15	77.4%
66.7%	20	33	14	70.3%
67.9%	20	33	13	66.9%
69.1%	20	32	13	65.7%
70.4%	20	28	8	42.3%
71.6%	20	22	3	14.5%
72.8%	20	22	3	13.2%
74.1%	20	16	-3	-16.9%
75.3%	20	14	-6	-28.8%
76.5%	20	11	-8	-41.7%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	11	-8	-41.7%
98.8%	15	11	-3	-22.8%
100.0%	15	5	-10	-66.2%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,918	3,000	82	2.8%
2.5%	2,885	3,000	115	4.0%
3.7%	2,883	3,000	117	4.1%
4.9%	2,877	3,000	123	4.3%
6.2%	2,838	3,000	162	5.7%
7.4%	2,832	3,000	168	5.9%
8.6%	2,813	3,000	187	6.6%
9.9%	2,789	3,000	211	7.6%
11.1%	2,786	3,000	214	7.7%
12.3%	2,749	3,000	251	9.1%
13.6%	2,717	3,000	283	10.4%
14.8%	2,674	3,000	326	12.2%
16.0%	2,666	2,993	327	12.3%
17.3%	2,660	2,953	292	11.0%
18.5%	2,585	2,945	360	13.9%
19.8%	2,543	2,943	400	15.7%
21.0%	2,518	2,897	379	15.0%
22.2%	2,484	2,885	401	16.2%
23.5%	2,433	2,883	450	18.5%
24.7%	2,414	2,832	417	17.3%
25.9%	2,395	2,818	423	17.7%
27.2%	2,380	2,768	388	16.3%
28.4%	2,379	2,755	376	15.8%
29.6%	2,377	2,688	311	13.1%
30.9%	2,374	2,643	269	11.3%
32.1%	2,366	2,643	277	11.7%
33.3%	2,364	2,641	278	11.8%
34.6%	2,363	2,630	266	11.3%
35.8%	2,353	2,585	233	9.9%
37.0%	2,347	2,555	208	8.9%
38.3%	2,323	2,521	198	8.5%
39.5%	2,310	2,518	209	9.0%
40.7%	2,299	2,506	207	9.0%
42.0%	2,291	2,429	138	6.0%
43.2%	2,283	2,414	131	5.7%
44.4%	2,267	2,379	112	4.9%
45.7%	2,248	2,366	118	5.3%
46.9%	2,239	2,364	124	5.5%
48.1%	2,235	2,352	117	5.2%
49.4%	2,205	2,346	141	6.4%
50.6%	2,197	2,339	142	6.5%
51.9%	2,189	2,323	134	6.1%
53.1%	2,181	2,323	142	6.5%
54.3%	2,173	2,311	137	6.3%
55.6%	2,151	2,277	126	5.9%
56.8%	2,144	2,250	106	5.0%
58.0%	2,142	2,239	97	4.5%
59.3%	2,141	2,238	98	4.6%
60.5%	2,139	2,207	68	3.2%
61.7%	2,136	2,189	54	2.5%
63.0%	2,135	2,181	46	2.1%
64.2%	2,130	2,144	13	0.6%
65.4%	2,130	2,142	12	0.5%
66.7%	2,116	2,141	24	1.2%
67.9%	2,090	2,135	45	2.1%
69.1%	2,080	2,116	37	1.8%
70.4%	2,077	2,112	35	1.7%
71.6%	2,077	2,099	22	1.1%
72.8%	2,042	2,090	48	2.4%
74.1%	2,042	2,077	35	1.7%
75.3%	2,034	2,042	8	0.4%
76.5%	1,983	2,042	59	3.0%
77.8%	1,967	1,983	16	0.8%
79.0%	1,903	1,903	0	0.0%
80.2%	1,895	1,809	-86	-4.5%
81.5%	1,809	1,768	-41	-2.3%
82.7%	1,777	1,747	-29	-1.7%
84.0%	1,768	1,659	-109	-6.1%
85.2%	1,747	1,649	-98	-5.6%
86.4%	1,662	1,522	-139	-8.4%
87.7%	1,659	1,418	-241	-14.5%
88.9%	1,555	1,402	-153	-9.8%
90.1%	1,522	1,376	-146	-9.6%
91.4%	1,466	1,375	-91	-6.2%
92.6%	1,418	1,367	-51	-3.6%
93.8%	1,402	1,325	-77	-5.5%
95.1%	1,375	1,285	-90	-6.5%
96.3%	1,271	1,271	0	0.0%
97.5%	1,249	1,158	-91	-7.3%
98.8%	1,158	1,126	-33	-2.8%
100.0%	1,002	1,009	6	0.6%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,397	3,000	603	25.1%
1.2%	2,392	3,000	608	25.4%
2.5%	2,369	3,000	631	26.6%
3.7%	2,346	3,000	654	27.9%
4.9%	2,346	3,000	654	27.9%
6.2%	2,338	2,943	604	25.8%
7.4%	2,331	2,806	475	20.4%
8.6%	2,315	2,507	192	8.3%
9.9%	2,315	2,485	170	7.3%
11.1%	2,310	2,477	167	7.2%
12.3%	2,299	2,405	105	4.6%
13.6%	2,299	2,368	69	3.0%
14.8%	2,299	2,358	59	2.6%
16.0%	2,296	2,346	49	2.1%
17.3%	2,289	2,343	54	2.3%
18.5%	2,289	2,339	51	2.2%
19.8%	2,289	2,338	49	2.1%
21.0%	2,284	2,332	49	2.1%
22.2%	2,274	2,331	57	2.5%
23.5%	2,274	2,330	57	2.5%
24.7%	2,266	2,325	59	2.6%
25.9%	2,266	2,315	49	2.2%
27.2%	2,261	2,310	49	2.2%
28.4%	2,258	2,296	38	1.7%
29.6%	2,255	2,291	36	1.6%
30.9%	2,252	2,289	36	1.6%
32.1%	2,250	2,274	23	1.0%
33.3%	2,250	2,274	24	1.1%
34.6%	2,248	2,266	18	0.8%
35.8%	2,247	2,261	13	0.6%
37.0%	2,245	2,247	2	0.1%
38.3%	2,245	2,245	0	0.0%
39.5%	2,242	2,242	0	0.0%
40.7%	2,242	2,237	-5	-0.2%
42.0%	2,237	2,213	-24	-1.1%
43.2%	2,222	2,206	-16	-0.7%
44.4%	2,219	2,198	-21	-0.9%
45.7%	2,213	2,178	-36	-1.6%
46.9%	2,211	2,167	-44	-2.0%
48.1%	2,206	2,165	-41	-1.9%
49.4%	2,198	2,155	-43	-2.0%
50.6%	2,185	2,154	-31	-1.4%
51.9%	2,185	2,141	-44	-2.0%
53.1%	2,165	2,133	-32	-1.5%
54.3%	2,162	2,130	-32	-1.5%
55.6%	2,147	2,118	-29	-1.3%
56.8%	2,141	2,093	-49	-2.3%
58.0%	2,133	2,086	-47	-2.2%
59.3%	2,118	2,078	-40	-1.9%
60.5%	2,100	2,076	-24	-1.1%
61.7%	2,086	2,068	-18	-0.9%
63.0%	2,086	2,066	-20	-1.0%
64.2%	2,076	2,054	-22	-1.1%
65.4%	2,066	2,047	-19	-0.9%
66.7%	2,045	2,031	-14	-0.7%
67.9%	2,032	2,028	-4	-0.2%
69.1%	2,025	2,025	0	0.0%
70.4%	2,024	1,999	-25	-1.2%
71.6%	2,007	1,987	-19	-1.0%
72.8%	1,990	1,961	-29	-1.5%
74.1%	1,944	1,944	0	0.0%
75.3%	1,937	1,938	2	0.1%
76.5%	1,926	1,901	-24	-1.3%
77.8%	1,921	1,843	-78	-4.1%
79.0%	1,882	1,790	-92	-4.9%
80.2%	1,856	1,709	-147	-7.9%
81.5%	1,843	1,692	-150	-8.2%
82.7%	1,840	1,642	-199	-10.8%
84.0%	1,825	1,607	-217	-11.9%
85.2%	1,797	1,586	-211	-11.7%
86.4%	1,790	1,562	-227	-12.7%
87.7%	1,762	1,552	-209	-11.9%
88.9%	1,709	1,456	-253	-14.8%
90.1%	1,692	1,433	-259	-15.3%
91.4%	1,667	1,418	-249	-14.9%
92.6%	1,642	1,377	-265	-16.1%
93.8%	1,586	1,231	-355	-22.4%
95.1%	1,562	1,202	-360	-23.0%
96.3%	1,547	1,128	-419	-27.1%
97.5%	1,456	1,110	-347	-23.8%
98.8%	1,422	1,049	-373	-26.2%
100.0%	1,202	901	-301	-25.0%

Table OP-02-9b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	3,000	0	0.0%
17.3%	3,000	3,000	0	0.0%
18.5%	3,000	3,000	0	0.0%
19.8%	3,000	3,000	0	0.0%
21.0%	3,000	3,000	0	0.0%
22.2%	3,000	3,000	0	0.0%
23.5%	3,000	3,000	0	0.0%
24.7%	3,000	3,000	0	0.0%
25.9%	3,000	3,000	0	0.0%
27.2%	3,000	3,000	0	0.0%
28.4%	3,000	3,000	0	0.0%
29.6%	3,000	3,000	0	0.0%
30.9%	3,000	3,000	0	0.0%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	3,000	0	0.0%
34.6%	3,000	3,000	0	0.0%
35.8%	3,000	3,000	0	0.0%
37.0%	3,000	3,000	0	0.0%
38.3%	3,000	2,998	-2	-0.1%
39.5%	3,000	2,997	-3	-0.1%
40.7%	3,000	2,996	-4	-0.1%
42.0%	3,000	2,992	-8	-0.3%
43.2%	3,000	2,978	-22	-0.7%
44.4%	3,000	2,940	-60	-2.0%
45.7%	3,000	2,918	-82	-2.7%
46.9%	3,000	2,905	-95	-3.2%
48.1%	3,000	2,900	-100	-3.3%
49.4%	3,000	2,829	-171	-5.7%
50.6%	3,000	2,730	-270	-9.0%
51.9%	3,000	2,685	-315	-10.5%
53.1%	3,000	2,584	-416	-13.9%
54.3%	3,000	2,439	-561	-18.7%
55.6%	3,000	2,434	-566	-18.9%
56.8%	3,000	2,377	-623	-20.8%
58.0%	3,000	2,330	-670	-22.3%
59.3%	3,000	2,315	-685	-22.8%
60.5%	3,000	2,310	-690	-23.0%
61.7%	3,000	2,296	-704	-23.5%
63.0%	3,000	2,283	-717	-23.9%
64.2%	2,998	2,236	-762	-25.4%
65.4%	2,998	2,228	-770	-25.7%
66.7%	2,996	2,091	-905	-30.2%
67.9%	2,996	2,066	-929	-31.0%
69.1%	2,985	1,831	-1,154	-38.7%
70.4%	2,969	1,823	-1,146	-38.6%
71.6%	2,964	1,711	-1,252	-42.3%
72.8%	2,953	1,692	-1,261	-42.7%
74.1%	2,953	1,692	-1,261	-42.7%
75.3%	2,953	1,692	-1,261	-42.7%
76.5%	2,950	1,692	-1,259	-42.7%
77.8%	2,918	1,692	-1,226	-42.0%
79.0%	2,915	1,692	-1,224	-42.0%
80.2%	2,905	1,692	-1,213	-41.8%
81.5%	2,865	1,691	-1,173	-41.0%
82.7%	2,840	1,689	-1,151	-40.5%
84.0%	2,827	1,686	-1,141	-40.4%
85.2%	2,792	1,684	-1,109	-39.7%
86.4%	2,787	1,678	-1,109	-39.8%
87.7%	2,776	1,673	-1,103	-39.7%
88.9%	2,685	1,657	-1,028	-38.3%
90.1%	2,439	1,654	-785	-32.2%
91.4%	2,434	1,641	-793	-32.6%
92.6%	2,338	1,625	-713	-30.5%
93.8%	2,330	1,624	-706	-30.3%
95.1%	2,326	1,622	-704	-30.3%
96.3%	2,315	1,609	-706	-30.5%
97.5%	2,310	1,582	-729	-31.5%
98.8%	2,296	1,582	-714	-31.1%
100.0%	2,236	1,180	-1,056	-47.2%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	3,000	77	2.6%
1.2%	2,923	3,000	77	2.6%
2.5%	2,923	3,000	77	2.6%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,923	0	0.0%
9.9%	2,923	2,923	0	0.0%
11.1%	2,923	2,923	0	0.0%
12.3%	2,923	2,923	0	0.0%
13.6%	2,923	2,923	0	0.0%
14.8%	2,923	2,923	0	0.0%
16.0%	2,923	2,923	0	0.0%
17.3%	2,923	2,923	0	0.0%
18.5%	2,923	2,923	0	0.0%
19.8%	2,923	2,923	0	0.0%
21.0%	2,923	2,923	0	0.0%
22.2%	2,923	2,923	0	0.0%
23.5%	2,923	2,923	0	0.0%
24.7%	2,923	2,923	0	0.0%
25.9%	2,923	2,923	0	0.0%
27.2%	2,923	2,923	0	0.0%
28.4%	2,923	2,923	0	0.0%
29.6%	2,923	2,918	-5	-0.2%
30.9%	2,923	2,915	-8	-0.3%
32.1%	2,923	2,902	-21	-0.7%
33.3%	2,923	2,895	-29	-1.0%
34.6%	2,923	2,874	-49	-1.7%
35.8%	2,923	2,852	-71	-2.4%
37.0%	2,923	2,838	-85	-2.9%
38.3%	2,923	2,828	-95	-3.3%
39.5%	2,923	2,823	-100	-3.4%
40.7%	2,923	2,781	-143	-4.9%
42.0%	2,923	2,688	-236	-8.1%
43.2%	2,918	2,688	-230	-7.9%
44.4%	2,915	2,687	-228	-7.8%
45.7%	2,915	2,635	-279	-9.6%
46.9%	2,913	2,606	-307	-10.5%
48.1%	2,912	2,364	-549	-18.8%
49.4%	2,902	2,303	-599	-20.7%
50.6%	2,885	2,247	-637	-22.1%
51.9%	2,868	2,244	-623	-21.7%
53.1%	2,866	2,162	-704	-24.6%
54.3%	2,851	2,128	-722	-25.3%
55.6%	2,845	2,110	-735	-25.8%
56.8%	2,844	2,067	-778	-27.3%
58.0%	2,828	2,064	-764	-27.0%
59.3%	2,828	1,990	-838	-29.6%
60.5%	2,828	1,893	-935	-33.1%
61.7%	2,828	1,848	-980	-34.6%
63.0%	2,828	1,548	-1,280	-45.3%
64.2%	2,828	1,548	-1,280	-45.3%
65.4%	2,828	1,548	-1,280	-45.3%
66.7%	2,828	1,548	-1,280	-45.3%
67.9%	2,828	1,548	-1,280	-45.3%
69.1%	2,828	1,548	-1,280	-45.3%
70.4%	2,828	1,548	-1,280	-45.3%
71.6%	2,828	1,548	-1,280	-45.3%
72.8%	2,828	1,548	-1,280	-45.3%
74.1%	2,828	1,548	-1,280	-45.3%
75.3%	2,828	1,548	-1,280	-45.3%
76.5%	2,828	1,548	-1,280	-45.3%
77.8%	2,828	1,548	-1,280	-45.3%
79.0%	2,828	1,548	-1,280	-45.3%
80.2%	2,828	1,548	-1,280	-45.3%
81.5%	2,823	1,548	-1,275	-45.2%
82.7%	2,823	1,548	-1,275	-45.2%
84.0%	2,823	1,548	-1,275	-45.2%
85.2%	2,820	1,548	-1,272	-45.1%
86.4%	2,810	1,547	-1,262	-44.9%
87.7%	2,799	1,547	-1,252	-44.7%
88.9%	2,610	1,546	-1,064	-40.8%
90.1%	2,247	1,546	-702	-31.2%
91.4%	2,244	1,543	-701	-31.3%
92.6%	2,163	1,543	-620	-28.7%
93.8%	2,162	1,543	-619	-28.6%
95.1%	2,128	1,538	-590	-27.7%
96.3%	2,110	1,517	-592	-28.1%
97.5%	2,082	1,493	-590	-28.3%
98.8%	2,067	1,183	-884	-42.8%
100.0%	2,064	1,035	-1,029	-49.9%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	3,000	776	34.9%
6.2%	2,224	2,974	750	33.7%
7.4%	2,224	2,971	747	33.6%
8.6%	2,224	2,799	575	25.9%
9.9%	2,224	2,358	134	6.0%
11.1%	2,224	2,339	115	5.2%
12.3%	2,224	2,224	0	0.0%
13.6%	2,224	2,224	0	0.0%
14.8%	2,224	2,224	0	0.0%
16.0%	2,224	2,224	0	0.0%
17.3%	2,224	2,224	0	0.0%
18.5%	2,224	2,224	0	0.0%
19.8%	2,224	2,224	0	0.0%
21.0%	2,224	2,224	0	0.0%
22.2%	2,224	2,224	0	0.0%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,221	2,224	3	0.1%
28.4%	2,219	2,224	5	0.2%
29.6%	2,214	2,224	10	0.5%
30.9%	2,210	2,224	14	0.6%
32.1%	2,203	2,224	21	0.9%
33.3%	2,198	2,224	26	1.2%
34.6%	2,194	2,224	30	1.4%
35.8%	2,186	2,224	38	1.8%
37.0%	2,177	2,224	47	2.1%
38.3%	2,175	2,221	47	2.1%
39.5%	2,173	2,214	41	1.9%
40.7%	2,170	2,214	44	2.0%
42.0%	2,156	2,211	55	2.6%
43.2%	2,134	2,196	61	2.9%
44.4%	2,132	2,195	64	3.0%
45.7%	2,114	2,175	61	2.9%
46.9%	2,114	2,167	54	2.5%
48.1%	2,114	2,153	39	1.9%
49.4%	2,114	2,153	39	1.9%
50.6%	2,114	2,114	0	0.0%
51.9%	2,114	2,114	0	0.0%
53.1%	2,114	2,112	-2	-0.1%
54.3%	2,114	2,109	-5	-0.2%
55.6%	2,114	2,103	-10	-0.5%
56.8%	2,114	2,100	-14	-0.7%
58.0%	2,114	2,072	-42	-2.0%
59.3%	2,114	2,030	-84	-4.0%
60.5%	2,114	2,024	-90	-4.2%
61.7%	2,114	1,993	-120	-5.7%
63.0%	2,114	1,965	-149	-7.0%
64.2%	2,114	1,958	-155	-7.3%
65.4%	2,114	1,863	-251	-11.9%
66.7%	2,114	1,758	-356	-16.8%
67.9%	2,114	1,752	-362	-17.1%
69.1%	2,111	1,632	-479	-22.7%
70.4%	2,109	1,567	-541	-25.7%
71.6%	2,109	1,496	-612	-29.0%
72.8%	2,109	1,471	-637	-30.2%
74.1%	2,103	1,440	-663	-31.5%
75.3%	2,101	1,413	-688	-32.8%
76.5%	2,101	1,411	-690	-32.8%
77.8%	2,083	1,397	-685	-32.9%
79.0%	2,074	1,364	-709	-34.2%
80.2%	2,053	1,342	-711	-34.6%
81.5%	2,048	1,336	-712	-34.8%
82.7%	2,039	1,179	-860	-42.2%
84.0%	2,030	1,179	-851	-41.9%
85.2%	2,010	1,179	-831	-41.3%
86.4%	1,989	1,179	-810	-40.7%
87.7%	1,883	1,179	-704	-37.4%
88.9%	1,854	1,179	-676	-36.4%
90.1%	1,511	1,179	-332	-22.0%
91.4%	1,496	1,176	-320	-21.4%
92.6%	1,440	1,176	-264	-18.3%
93.8%	1,413	1,169	-244	-17.3%
95.1%	1,411	1,162	-249	-17.6%
96.3%	1,410	1,156	-254	-18.0%
97.5%	1,397	1,119	-278	-19.9%
98.8%	1,364	1,101	-263	-19.3%
100.0%	1,342	1,088	-254	-18.9%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	1,665	1,055	173.2%
1.2%	607	1,442	835	137.6%
2.5%	607	607	0	0.0%
3.7%	605	606	1	0.1%
4.9%	604	605	1	0.2%
6.2%	601	600	0	-0.1%
7.4%	600	599	-1	-0.1%
8.6%	599	596	-3	-0.5%
9.9%	599	595	-4	-0.7%
11.1%	597	590	-7	-1.1%
12.3%	597	588	-9	-1.6%
13.6%	595	587	-8	-1.3%
14.8%	592	586	-6	-1.0%
16.0%	591	583	-8	-1.3%
17.3%	591	582	-9	-1.5%
18.5%	590	578	-12	-2.1%
19.8%	590	578	-13	-2.1%
21.0%	590	577	-13	-2.3%
22.2%	590	576	-14	-2.3%
23.5%	590	572	-17	-2.9%
24.7%	589	571	-17	-2.9%
25.9%	588	570	-19	-3.2%
27.2%	588	568	-20	-3.3%
28.4%	588	561	-27	-4.5%
29.6%	587	561	-26	-4.4%
30.9%	586	550	-36	-6.2%
32.1%	586	546	-40	-6.8%
33.3%	585	546	-40	-6.8%
34.6%	585	543	-42	-7.2%
35.8%	585	541	-44	-7.5%
37.0%	584	535	-49	-8.4%
38.3%	583	533	-50	-8.6%
39.5%	583	528	-55	-9.4%
40.7%	580	527	-53	-9.2%
42.0%	578	516	-62	-10.7%
43.2%	578	516	-62	-10.7%
44.4%	578	512	-66	-11.4%
45.7%	577	510	-67	-11.6%
46.9%	577	489	-87	-15.1%
48.1%	576	489	-86	-15.0%
49.4%	575	479	-97	-16.8%
50.6%	575	476	-98	-17.1%
51.9%	572	460	-113	-19.7%
53.1%	572	436	-135	-23.7%
54.3%	571	405	-167	-29.2%
55.6%	571	398	-174	-30.4%
56.8%	570	396	-173	-30.4%
58.0%	568	378	-190	-33.5%
59.3%	564	378	-186	-33.0%
60.5%	563	367	-197	-34.9%
61.7%	563	363	-199	-35.4%
63.0%	561	348	-213	-38.1%
64.2%	561	348	-213	-38.0%
65.4%	560	348	-213	-38.0%
66.7%	559	348	-212	-37.9%
67.9%	554	346	-208	-37.5%
69.1%	553	345	-209	-37.7%
70.4%	551	345	-206	-37.4%
71.6%	550	339	-211	-38.3%
72.8%	546	337	-208	-38.2%
74.1%	545	335	-210	-38.6%
75.3%	543	327	-216	-39.8%
76.5%	535	324	-211	-39.5%
77.8%	535	319	-216	-40.4%
79.0%	528	317	-212	-40.1%
80.2%	528	308	-220	-41.7%
81.5%	528	308	-220	-41.6%
82.7%	514	305	-209	-40.7%
84.0%	509	305	-204	-40.1%
85.2%	498	305	-193	-38.7%
86.4%	461	305	-156	-33.9%
87.7%	460	305	-155	-33.6%
88.9%	442	302	-139	-31.6%
90.1%	441	302	-138	-31.4%
91.4%	437	302	-134	-30.7%
92.6%	406	300	-106	-26.1%
93.8%	404	292	-112	-27.7%
95.1%	396	291	-105	-26.6%
96.3%	378	290	-88	-23.3%
97.5%	363	285	-78	-21.5%
98.8%	336	282	-53	-15.9%
100.0%	325	240	-85	-26.2%

Table OP-03-9a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	16	57	369	793	735	384	0	0	36	15	23	9
Difference	16	57	369	793	735	384	0	0	36	15	23	9
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	29	65	511	955	745	232	0	0	8	22	58	0
Difference	29	65	511	955	745	232	0	0	8	22	58	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	47	167	504	1,186	987	671	0	0	160	0	0	0
Difference	47	167	504	1,186	987	671	0	0	160	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	14	368	1,012	755	391	0	0	60	0	0	0
Difference	0	14	368	1,012	755	391	0	0	60	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	33	226	480	797	468	0	0	0	0	0	29
Difference	0	33	226	480	797	468	0	0	0	0	0	29
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	17	141	261	342	295	0	0	0	53	35	16
Difference	0	17	141	261	342	295	0	0	0	53	35	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

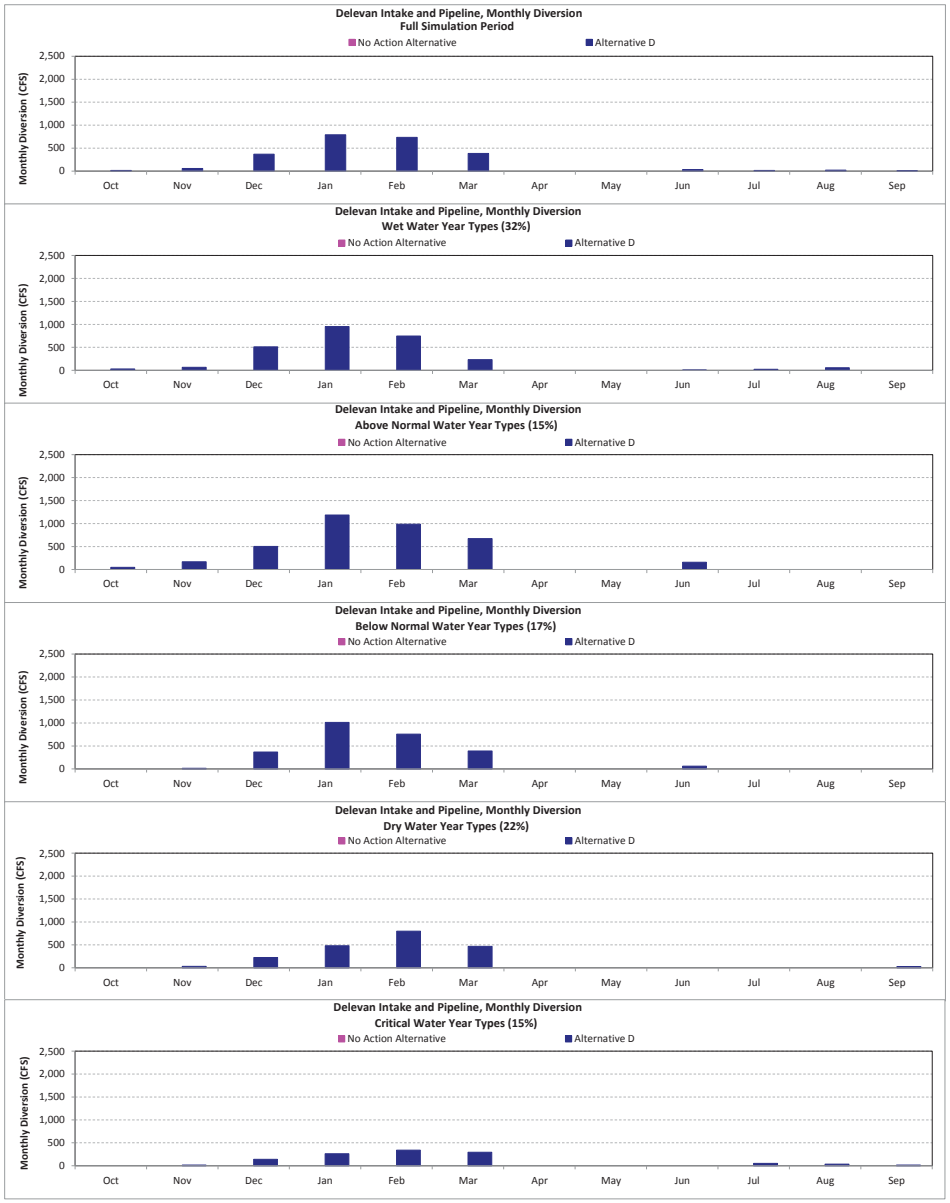

Figure OP-03-9b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

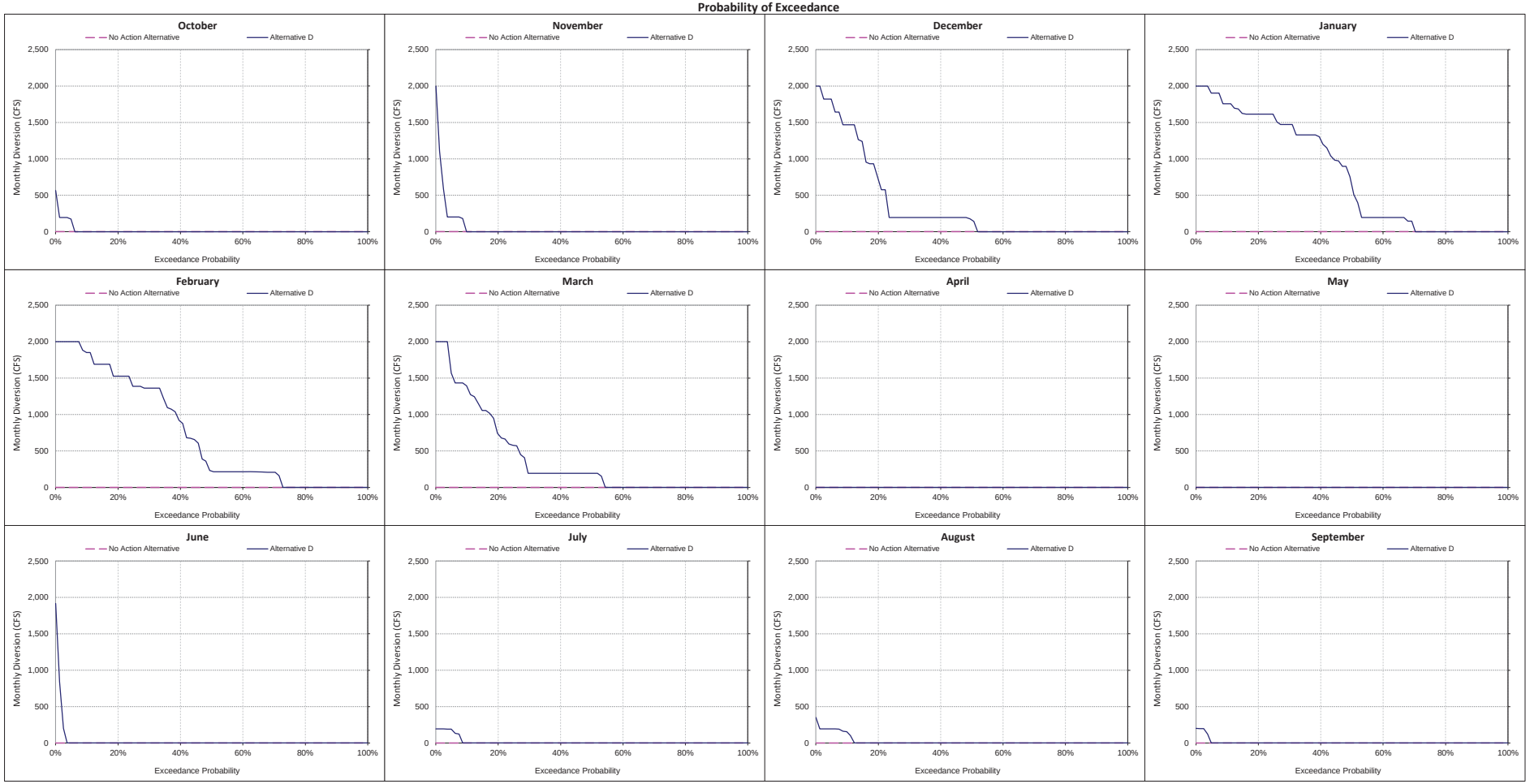

Table OP-03-9b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	566	566	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	174	174	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	1,106	1,106	
2.5%	0	587	587	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	179	179	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	1,822	1,822	
3.7%	0	1,822	1,822	
4.9%	0	1,822	1,822	
6.2%	0	1,644	1,644	
7.4%	0	1,644	1,644	
8.6%	0	1,467	1,467	
9.9%	0	1,467	1,467	
11.1%	0	1,467	1,467	
12.3%	0	1,467	1,467	
13.6%	0	1,263	1,263	
14.8%	0	1,241	1,241	
16.0%	0	955	955	
17.3%	0	933	933	
18.5%	0	933	933	
19.8%	0	756	756	
21.0%	0	578	578	
22.2%	0	578	578	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	178	178	
50.6%	0	141	141	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	1,902	1,902	
6.2%	0	1,902	1,902	
7.4%	0	1,902	1,902	
8.6%	0	1,758	1,758	
9.9%	0	1,758	1,758	
11.1%	0	1,758	1,758	
12.3%	0	1,697	1,697	
13.6%	0	1,685	1,685	
14.8%	0	1,625	1,625	
16.0%	0	1,615	1,615	
17.3%	0	1,615	1,615	
18.5%	0	1,615	1,615	
19.8%	0	1,615	1,615	
21.0%	0	1,615	1,615	
22.2%	0	1,615	1,615	
23.5%	0	1,615	1,615	
24.7%	0	1,615	1,615	
25.9%	0	1,507	1,507	
27.2%	0	1,471	1,471	
28.4%	0	1,471	1,471	
29.6%	0	1,471	1,471	
30.9%	0	1,471	1,471	
32.1%	0	1,328	1,328	
33.3%	0	1,328	1,328	
34.6%	0	1,328	1,328	
35.8%	0	1,328	1,328	
37.0%	0	1,328	1,328	
38.3%	0	1,328	1,328	
39.5%	0	1,303	1,303	
40.7%	0	1,201	1,201	
42.0%	0	1,151	1,151	
43.2%	0	1,041	1,041	
44.4%	0	982	982	
45.7%	0	972	972	
46.9%	0	898	898	
48.1%	0	898	898	
49.4%	0	754	754	
50.6%	0	510	510	
51.9%	0	398	398	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	194	194	
64.2%	0	194	194	
65.4%	0	194	194	
66.7%	0	194	194	
67.9%	0	143	143	
69.1%	0	143	143	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-9b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	1,882	1,882	
9.9%	0	1,852	1,852	
11.1%	0	1,852	1,852	
12.3%	0	1,689	1,689	
13.6%	0	1,689	1,689	
14.8%	0	1,689	1,689	
16.0%	0	1,689	1,689	
17.3%	0	1,689	1,689	
18.5%	0	1,527	1,527	
19.8%	0	1,527	1,527	
21.0%	0	1,527	1,527	
22.2%	0	1,527	1,527	
23.5%	0	1,527	1,527	
24.7%	0	1,388	1,388	
25.9%	0	1,388	1,388	
27.2%	0	1,388	1,388	
28.4%	0	1,364	1,364	
29.6%	0	1,364	1,364	
30.9%	0	1,364	1,364	
32.1%	0	1,364	1,364	
33.3%	0	1,364	1,364	
34.6%	0	1,225	1,225	
35.8%	0	1,096	1,096	
37.0%	0	1,075	1,075	
38.3%	0	1,039	1,039	
39.5%	0	922	922	
40.7%	0	877	877	
42.0%	0	680	680	
43.2%	0	675	675	
44.4%	0	657	657	
45.7%	0	606	606	
46.9%	0	389	389	
48.1%	0	359	359	
49.4%	0	233	233	
50.6%	0	214	214	
51.9%	0	214	214	
53.1%	0	214	214	
54.3%	0	214	214	
55.6%	0	214	214	
56.8%	0	214	214	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	214	214	
61.7%	0	214	214	
63.0%	0	214	214	
64.2%	0	214	214	
65.4%	0	214	214	
66.7%	0	207	207	
67.9%	0	207	207	
69.1%	0	207	207	
70.4%	0	207	207	
71.6%	0	163	163	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	1,568	1,568	
6.2%	0	1,434	1,434	
7.4%	0	1,434	1,434	
8.6%	0	1,434	1,434	
9.9%	0	1,394	1,394	
11.1%	0	1,274	1,274	
12.3%	0	1,245	1,245	
13.6%	0	1,153	1,153	
14.8%	0	1,056	1,056	
16.0%	0	1,056	1,056	
17.3%	0	1,018	1,018	
18.5%	0	949	949	
19.8%	0	741	741	
21.0%	0	679	679	
22.2%	0	665	665	
23.5%	0	596	596	
24.7%	0	576	576	
25.9%	0	570	570	
27.2%	0	449	449	
28.4%	0	406	406	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	153	153	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-9b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,918	1,918	
1.2%	0	838	838	
2.5%	0	200	200	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	190	190	
4.9%	0	190	190	
6.2%	0	133	133	
7.4%	0	124	124	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	350	350	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	194	194	
7.4%	0	190	190	
8.6%	0	163	163	
9.9%	0	155	155	
11.1%	0	100	100	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	200	200	
1.2%	0	197	197	
2.5%	0	197	197	
3.7%	0	122	122	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-9a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	88	204	1,486	2,208	2,245	1,906	476	189	96	41	128	32
Difference	88	204	1,486	2,208	2,245	1,906	476	189	96	41	128	32
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	125	220	1,999	2,530	2,088	1,209	347	239	25	80	371	67
Difference	125	220	1,999	2,530	2,088	1,209	347	239	25	80	371	67
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	329	447	2,094	3,306	3,277	2,714	975	500	304	0	10	0
Difference	329	447	2,094	3,306	3,277	2,714	975	500	304	0	10	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	88	1,371	2,710	2,313	2,440	824	234	207	3	0	0
Difference	0	88	1,371	2,710	2,313	2,440	824	234	207	3	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	211	927	1,518	2,361	2,491	375	0	36	4	1	36
Difference	0	211	927	1,518	2,361	2,491	375	0	36	4	1	36
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	48	740	861	1,299	1,109	0	0	0	96	56	16
Difference	0	48	740	861	1,299	1,109	0	0	0	96	56	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

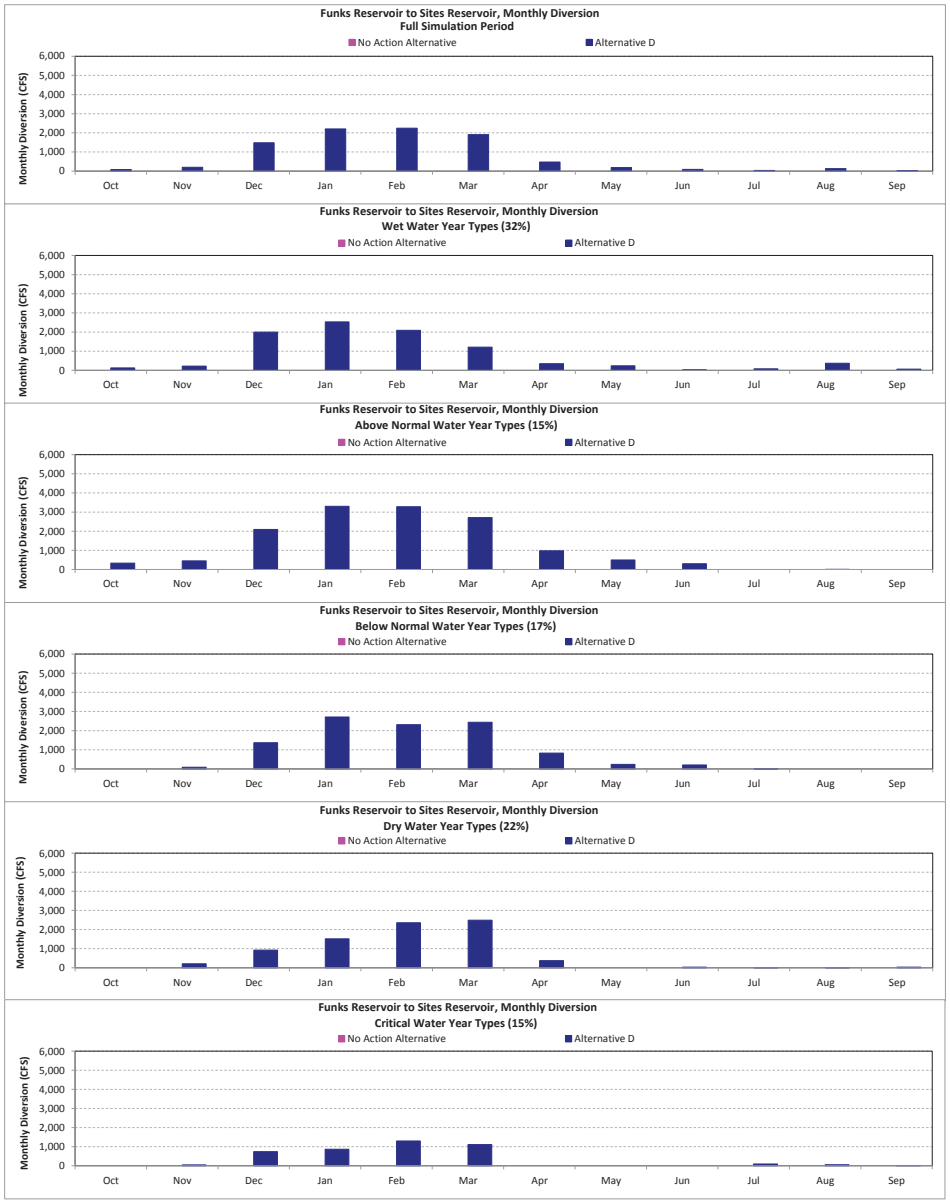

Figure OP-04-9b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

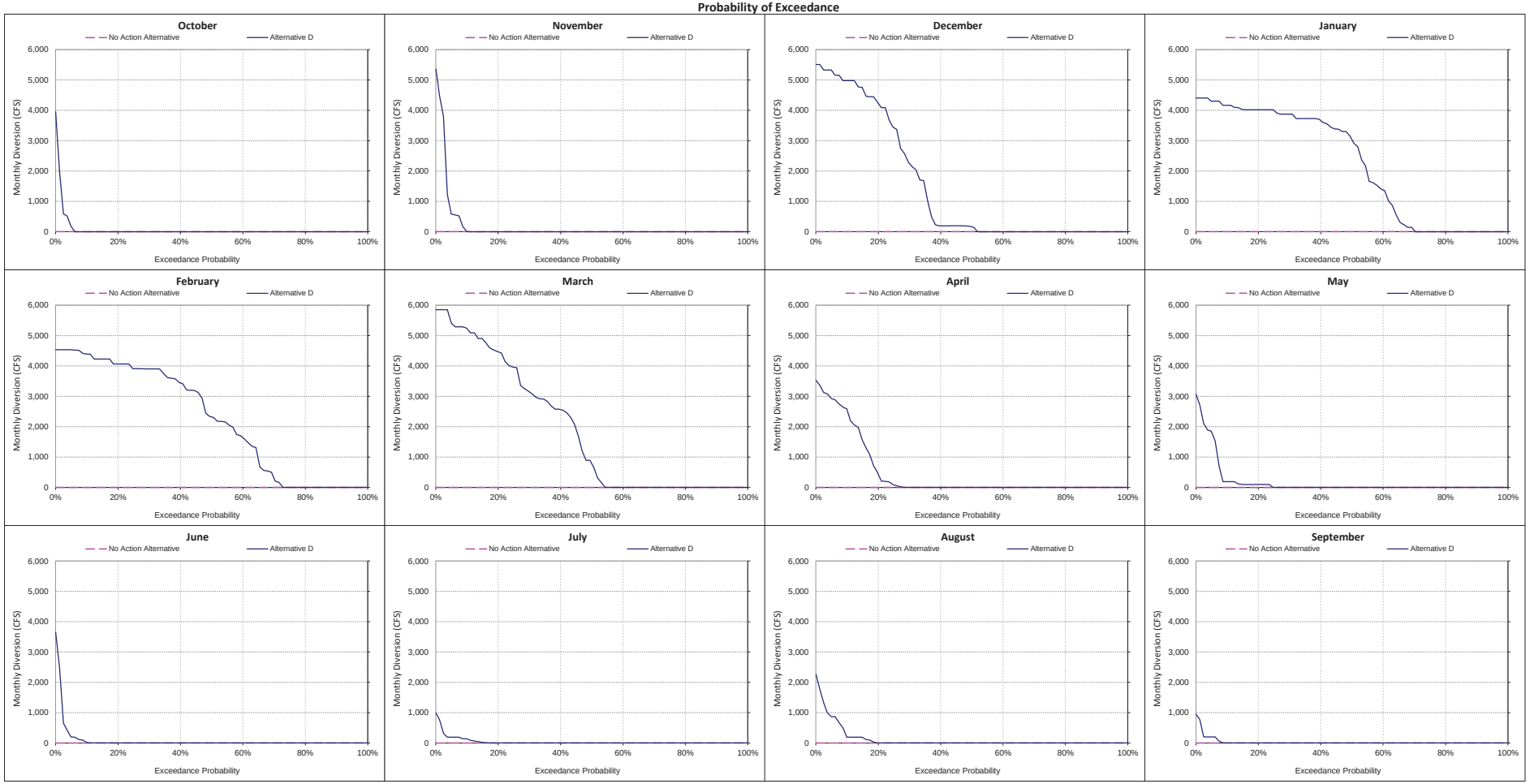

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,953	3,953	
1.2%	0	1,977	1,977	
2.5%	0	588	588	
3.7%	0	521	521	
4.9%	0	174	174	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,366	5,366	
1.2%	0	4,472	4,472	
2.5%	0	3,805	3,805	
3.7%	0	1,232	1,232	
4.9%	0	578	578	
6.2%	0	551	551	
7.4%	0	516	516	
8.6%	0	179	179	
9.9%	0	1	1	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,511	5,511	
2.5%	0	5,333	5,333	
3.7%	0	5,333	5,333	
4.9%	0	5,333	5,333	
6.2%	0	5,155	5,155	
7.4%	0	5,155	5,155	
8.6%	0	4,978	4,978	
9.9%	0	4,978	4,978	
11.1%	0	4,978	4,978	
12.3%	0	4,978	4,978	
13.6%	0	4,774	4,774	
14.8%	0	4,752	4,752	
16.0%	0	4,466	4,466	
17.3%	0	4,444	4,444	
18.5%	0	4,444	4,444	
19.8%	0	4,267	4,267	
21.0%	0	4,089	4,089	
22.2%	0	4,089	4,089	
23.5%	0	3,677	3,677	
24.7%	0	3,457	3,457	
25.9%	0	3,372	3,372	
27.2%	0	2,742	2,742	
28.4%	0	2,572	2,572	
29.6%	0	2,294	2,294	
30.9%	0	2,136	2,136	
32.1%	0	2,038	2,038	
33.3%	0	1,710	1,710	
34.6%	0	1,687	1,687	
35.8%	0	1,021	1,021	
37.0%	0	489	489	
38.3%	0	228	228	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	178	178	
50.6%	0	141	141	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,403	4,403	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,305	4,305	
6.2%	0	4,305	4,305	
7.4%	0	4,305	4,305	
8.6%	0	4,161	4,161	
9.9%	0	4,161	4,161	
11.1%	0	4,161	4,161	
12.3%	0	4,100	4,100	
13.6%	0	4,088	4,088	
14.8%	0	4,028	4,028	
16.0%	0	4,018	4,018	
17.3%	0	4,018	4,018	
18.5%	0	4,018	4,018	
19.8%	0	4,018	4,018	
21.0%	0	4,018	4,018	
22.2%	0	4,018	4,018	
23.5%	0	4,018	4,018	
24.7%	0	4,018	4,018	
25.9%	0	3,910	3,910	
27.2%	0	3,874	3,874	
28.4%	0	3,874	3,874	
29.6%	0	3,874	3,874	
30.9%	0	3,874	3,874	
32.1%	0	3,731	3,731	
33.3%	0	3,731	3,731	
34.6%	0	3,731	3,731	
35.8%	0	3,731	3,731	
37.0%	0	3,731	3,731	
38.3%	0	3,730	3,730	
39.5%	0	3,705	3,705	
40.7%	0	3,604	3,604	
42.0%	0	3,554	3,554	
43.2%	0	3,444	3,444	
44.4%	0	3,385	3,385	
45.7%	0	3,375	3,375	
46.9%	0	3,300	3,300	
48.1%	0	3,300	3,300	
49.4%	0	3,157	3,157	
50.6%	0	2,913	2,913	
51.9%	0	2,801	2,801	
53.1%	0	2,369	2,369	
54.3%	0	2,169	2,169	
55.6%	0	1,661	1,661	
56.8%	0	1,614	1,614	
58.0%	0	1,526	1,526	
59.3%	0	1,412	1,412	
60.5%	0	1,351	1,351	
61.7%	0	1,009	1,009	
63.0%	0	871	871	
64.2%	0	551	551	
65.4%	0	301	301	
66.7%	0	229	229	
67.9%	0	143	143	
69.1%	0	143	143	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,521	4,521	
7.4%	0	4,521	4,521	
8.6%	0	4,418	4,418	
9.9%	0	4,388	4,388	
11.1%	0	4,388	4,388	
12.3%	0	4,225	4,225	
13.6%	0	4,225	4,225	
14.8%	0	4,225	4,225	
16.0%	0	4,225	4,225	
17.3%	0	4,225	4,225	
18.5%	0	4,063	4,063	
19.8%	0	4,063	4,063	
21.0%	0	4,063	4,063	
22.2%	0	4,063	4,063	
23.5%	0	4,063	4,063	
24.7%	0	3,909	3,909	
25.9%	0	3,909	3,909	
27.2%	0	3,909	3,909	
28.4%	0	3,900	3,900	
29.6%	0	3,900	3,900	
30.9%	0	3,900	3,900	
32.1%	0	3,900	3,900	
33.3%	0	3,900	3,900	
34.6%	0	3,761	3,761	
35.8%	0	3,617	3,617	
37.0%	0	3,596	3,596	
38.3%	0	3,575	3,575	
39.5%	0	3,458	3,458	
40.7%	0	3,413	3,413	
42.0%	0	3,211	3,211	
43.2%	0	3,201	3,201	
44.4%	0	3,193	3,193	
45.7%	0	3,127	3,127	
46.9%	0	2,925	2,925	
48.1%	0	2,438	2,438	
49.4%	0	2,338	2,338	
50.6%	0	2,304	2,304	
51.9%	0	2,177	2,177	
53.1%	0	2,171	2,171	
54.3%	0	2,161	2,161	
55.6%	0	2,058	2,058	
56.8%	0	1,988	1,988	
58.0%	0	1,738	1,738	
59.3%	0	1,702	1,702	
60.5%	0	1,594	1,594	
61.7%	0	1,468	1,468	
63.0%	0	1,350	1,350	
64.2%	0	1,308	1,308	
65.4%	0	678	678	
66.7%	0	560	560	
67.9%	0	541	541	
69.1%	0	494	494	
70.4%	0	207	207	
71.6%	0	163	163	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,852	5,852	
4.9%	0	5,420	5,420	
6.2%	0	5,286	5,286	
7.4%	0	5,286	5,286	
8.6%	0	5,286	5,286	
9.9%	0	5,246	5,246	
11.1%	0	5,097	5,097	
12.3%	0	5,097	5,097	
13.6%	0	4,908	4,908	
14.8%	0	4,908	4,908	
16.0%	0	4,768	4,768	
17.3%	0	4,593	4,593	
18.5%	0	4,531	4,531	
19.8%	0	4,480	4,480	
21.0%	0	4,422	4,422	
22.2%	0	4,148	4,148	
23.5%	0	4,010	4,010	
24.7%	0	3,964	3,964	
25.9%	0	3,950	3,950	
27.2%	0	3,357	3,357	
28.4%	0	3,249	3,249	
29.6%	0	3,179	3,179	
30.9%	0	3,084	3,084	
32.1%	0	2,970	2,970	
33.3%	0	2,916	2,916	
34.6%	0	2,906	2,906	
35.8%	0	2,828	2,828	
37.0%	0	2,676	2,676	
38.3%	0	2,578	2,578	
39.5%	0	2,573	2,573	
40.7%	0	2,546	2,546	
42.0%	0	2,458	2,458	
43.2%	0	2,299	2,299	
44.4%	0	2,088	2,088	
45.7%	0	1,706	1,706	
46.9%	0	1,196	1,196	
48.1%	0	895	895	
49.4%	0	890	890	
50.6%	0	649	649	
51.9%	0	315	315	
53.1%	0	153	153	
54.3%	0	1	1	
55.6%	0	1	1	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,527	3,527	
1.2%	0	3,362	3,362	
2.5%	0	3,128	3,128	
3.7%	0	3,078	3,078	
4.9%	0	2,931	2,931	
6.2%	0	2,883	2,883	
7.4%	0	2,748	2,748	
8.6%	0	2,649	2,649	
9.9%	0	2,582	2,582	
11.1%	0	2,188	2,188	
12.3%	0	2,052	2,052	
13.6%	0	1,973	1,973	
14.8%	0	1,569	1,569	
16.0%	0	1,300	1,300	
17.3%	0	1,084	1,084	
18.5%	0	711	711	
19.8%	0	485	485	
21.0%	0	210	210	
22.2%	0	197	197	
23.5%	0	184	184	
24.7%	0	94	94	
25.9%	0	51	51	
27.2%	0	19	19	
28.4%	0	1	1	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,083	3,083	
1.2%	0	2,717	2,717	
2.5%	0	2,093	2,093	
3.7%	0	1,893	1,893	
4.9%	0	1,846	1,846	
6.2%	0	1,530	1,530	
7.4%	0	710	710	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	114	114	
14.8%	0	92	92	
16.0%	0	92	92	
17.3%	0	92	92	
18.5%	0	92	92	
19.8%	0	92	92	
21.0%	0	92	92	
22.2%	0	92	92	
23.5%	0	92	92	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-9b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,651	3,651	
1.2%	0	2,474	2,474	
2.5%	0	653	653	
3.7%	0	422	422	
4.9%	0	200	200	
6.2%	0	195	195	
7.4%	0	119	119	
8.6%	0	102	102	
9.9%	0	24	24	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	991	991	
1.2%	0	764	764	
2.5%	0	324	324	
3.7%	0	190	190	
4.9%	0	190	190	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	143	143	
9.9%	0	143	143	
11.1%	0	85	85	
12.3%	0	61	61	
13.6%	0	48	48	
14.8%	0	19	19	
16.0%	0	8	8	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,273	2,273	
1.2%	0	1,774	1,774	
2.5%	0	1,325	1,325	
3.7%	0	992	992	
4.9%	0	871	871	
6.2%	0	869	869	
7.4%	0	671	671	
8.6%	0	501	501	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	190	190	
14.8%	0	190	190	
16.0%	0	116	116	
17.3%	0	101	101	
18.5%	0	27	27	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	956	956	
1.2%	0	777	777	
2.5%	0	200	200	
3.7%	0	197	197	
4.9%	0	197	197	
6.2%	0	197	197	
7.4%	0	62	62	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-9a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	141	62	9	0	1	19	227	360	806	963	480	231
Difference	141	62	9	0	1	19	227	360	806	963	480	231
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	264	141	21	0	0	2	72	89	325	832	231	344
Difference	264	141	21	0	0	2	72	89	325	832	231	344
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	50	42	1	0	0	2	35	192	854	1,006	432	128
Difference	50	42	1	0	0	2	35	192	854	1,006	432	128
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	101	14	0	0	1	16	125	386	863	1,044	670	192
Difference	101	14	0	0	1	16	125	386	863	1,044	670	192
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	100	28	0	0	1	19	366	625	1,422	1,124	708	191
Difference	100	28	0	0	1	19	366	625	1,422	1,124	708	191
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	74	19	12	0	1	71	666	688	809	872	501	196
Difference	74	19	12	0	1	71	666	688	809	872	501	196
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

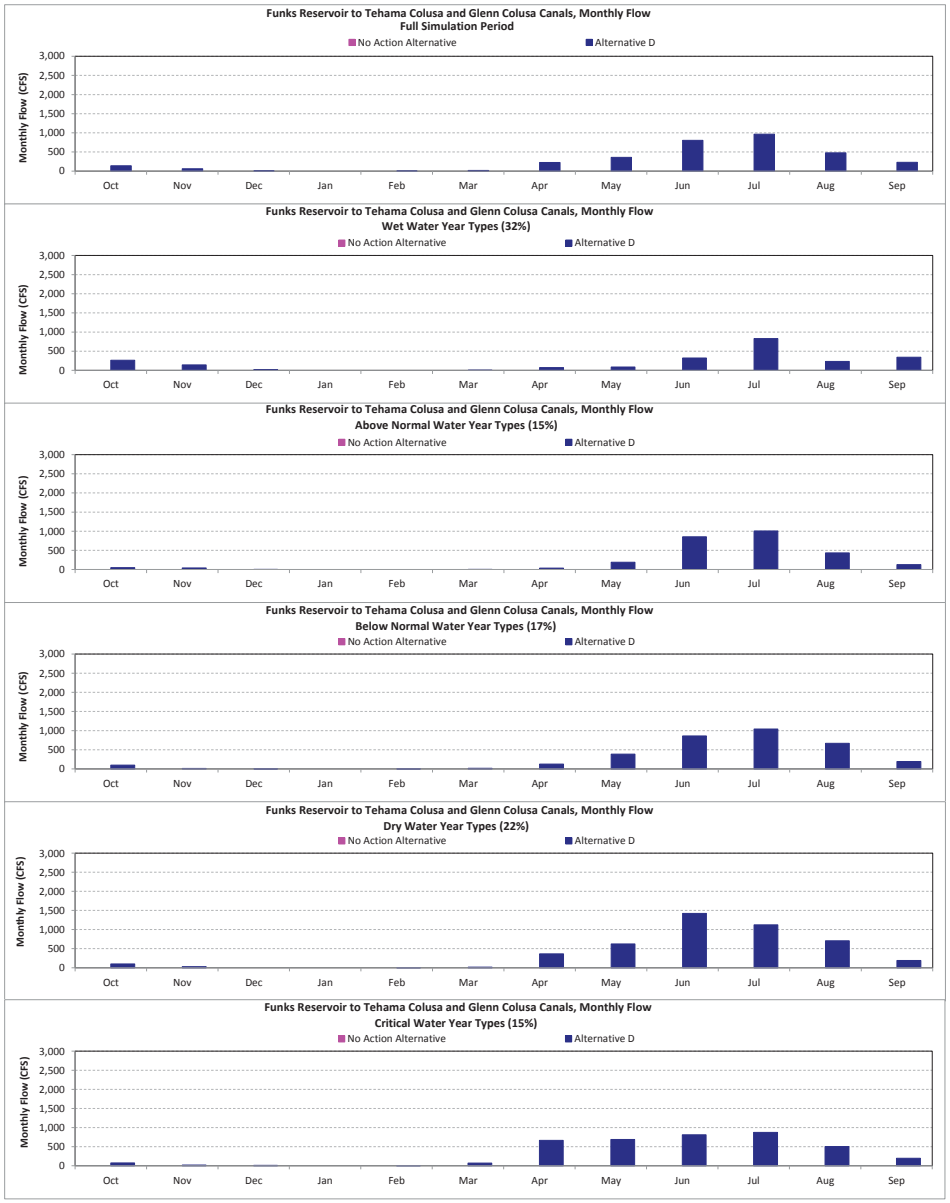

Figure OP-05-9b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

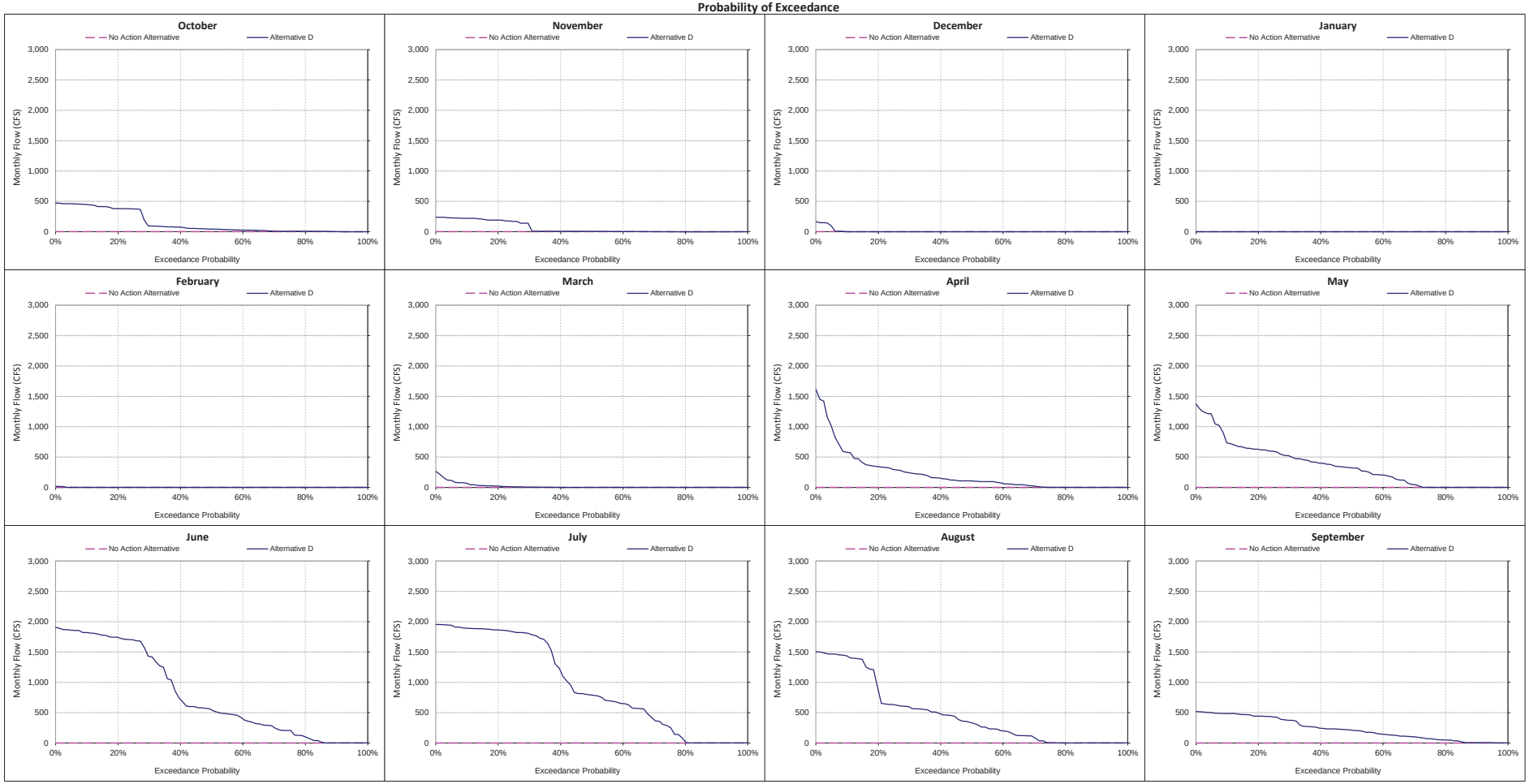

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	473	473	
1.2%	0	468	468	
2.5%	0	462	462	
3.7%	0	460	460	
4.9%	0	459	459	
6.2%	0	459	459	
7.4%	0	456	456	
8.6%	0	454	454	
9.9%	0	449	449	
11.1%	0	442	442	
12.3%	0	434	434	
13.6%	0	415	415	
14.8%	0	415	415	
16.0%	0	411	411	
17.3%	0	399	399	
18.5%	0	380	380	
19.8%	0	378	378	
21.0%	0	378	378	
22.2%	0	377	377	
23.5%	0	377	377	
24.7%	0	377	377	
25.9%	0	376	376	
27.2%	0	365	365	
28.4%	0	189	189	
29.6%	0	96	96	
30.9%	0	91	91	
32.1%	0	90	90	
33.3%	0	90	90	
34.6%	0	83	83	
35.8%	0	78	78	
37.0%	0	77	77	
38.3%	0	75	75	
39.5%	0	75	75	
40.7%	0	72	72	
42.0%	0	56	56	
43.2%	0	54	54	
44.4%	0	53	53	
45.7%	0	48	48	
46.9%	0	47	47	
48.1%	0	47	47	
49.4%	0	47	47	
50.6%	0	44	44	
51.9%	0	43	43	
53.1%	0	36	36	
54.3%	0	34	34	
55.6%	0	33	33	
56.8%	0	33	33	
58.0%	0	30	30	
59.3%	0	28	28	
60.5%	0	25	25	
61.7%	0	25	25	
63.0%	0	23	23	
64.2%	0	23	23	
65.4%	0	19	19	
66.7%	0	18	18	
67.9%	0	10	10	
69.1%	0	9	9	
70.4%	0	9	9	
71.6%	0	8	8	
72.8%	0	7	7	
74.1%	0	7	7	
75.3%	0	7	7	
76.5%	0	7	7	
77.8%	0	7	7	
79.0%	0	7	7	
80.2%	0	7	7	
81.5%	0	7	7	
82.7%	0	7	7	
84.0%	0	7	7	
85.2%	0	7	7	
86.4%	0	2	2	
87.7%	0	2	2	
88.9%	0	1	1	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	238	238	
1.2%	0	237	237	
2.5%	0	236	236	
3.7%	0	231	231	
4.9%	0	231	231	
6.2%	0	226	226	
7.4%	0	223	223	
8.6%	0	222	222	
9.9%	0	221	221	
11.1%	0	221	221	
12.3%	0	219	219	
13.6%	0	213	213	
14.8%	0	209	209	
16.0%	0	194	194	
17.3%	0	192	192	
18.5%	0	191	191	
19.8%	0	191	191	
21.0%	0	190	190	
22.2%	0	179	179	
23.5%	0	176	176	
24.7%	0	170	170	
25.9%	0	168	168	
27.2%	0	138	138	
28.4%	0	138	138	
29.6%	0	138	138	
30.9%	0	7	7	
32.1%	0	7	7	
33.3%	0	6	6	
34.6%	0	6	6	
35.8%	0	5	5	
37.0%	0	5	5	
38.3%	0	5	5	
39.5%	0	5	5	
40.7%	0	5	5	
42.0%	0	5	5	
43.2%	0	5	5	
44.4%	0	5	5	
45.7%	0	5	5	
46.9%	0	5	5	
48.1%	0	5	5	
49.4%	0	5	5	
50.6%	0	5	5	
51.9%	0	5	5	
53.1%	0	4	4	
54.3%	0	3	3	
55.6%	0	2	2	
56.8%	0	2	2	
58.0%	0	2	2	
59.3%	0	1	1	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	163	163	
1.2%	0	149	149	
2.5%	0	148	148	
3.7%	0	144	144	
4.9%	0	96	96	
6.2%	0	4	4	
7.4%	0	4	4	
8.6%	0	4	4	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	17	17	
1.2%	0	14	14	
2.5%	0	14	14	
3.7%	0	2	2	
4.9%	0	2	2	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	261	261	
1.2%	0	217	217	
2.5%	0	164	164	
3.7%	0	121	121	
4.9%	0	114	114	
6.2%	0	81	81	
7.4%	0	77	77	
8.6%	0	76	76	
9.9%	0	71	71	
11.1%	0	45	45	
12.3%	0	43	43	
13.6%	0	29	29	
14.8%	0	29	29	
16.0%	0	28	28	
17.3%	0	25	25	
18.5%	0	24	24	
19.8%	0	21	21	
21.0%	0	16	16	
22.2%	0	15	15	
23.5%	0	9	9	
24.7%	0	8	8	
25.9%	0	8	8	
27.2%	0	7	7	
28.4%	0	7	7	
29.6%	0	6	6	
30.9%	0	5	5	
32.1%	0	5	5	
33.3%	0	3	3	
34.6%	0	2	2	
35.8%	0	2	2	
37.0%	0	1	1	
38.3%	0	1	1	
39.5%	0	1	1	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,615	1,615	
1.2%	0	1,453	1,453	
2.5%	0	1,419	1,419	
3.7%	0	1,153	1,153	
4.9%	0	1,014	1,014	
6.2%	0	823	823	
7.4%	0	706	706	
8.6%	0	590	590	
9.9%	0	577	577	
11.1%	0	567	567	
12.3%	0	477	477	
13.6%	0	469	469	
14.8%	0	409	409	
16.0%	0	373	373	
17.3%	0	365	365	
18.5%	0	349	349	
19.8%	0	338	338	
21.0%	0	336	336	
22.2%	0	329	329	
23.5%	0	322	322	
24.7%	0	294	294	
25.9%	0	287	287	
27.2%	0	277	277	
28.4%	0	254	254	
29.6%	0	243	243	
30.9%	0	231	231	
32.1%	0	222	222	
33.3%	0	219	219	
34.6%	0	210	210	
35.8%	0	194	194	
37.0%	0	159	159	
38.3%	0	158	158	
39.5%	0	153	153	
40.7%	0	143	143	
42.0%	0	136	136	
43.2%	0	119	119	
44.4%	0	119	119	
45.7%	0	108	108	
46.9%	0	108	108	
48.1%	0	106	106	
49.4%	0	106	106	
50.6%	0	104	104	
51.9%	0	98	98	
53.1%	0	94	94	
54.3%	0	94	94	
55.6%	0	93	93	
56.8%	0	93	93	
58.0%	0	81	81	
59.3%	0	74	74	
60.5%	0	56	56	
61.7%	0	54	54	
63.0%	0	51	51	
64.2%	0	44	44	
65.4%	0	43	43	
66.7%	0	42	42	
67.9%	0	31	31	
69.1%	0	26	26	
70.4%	0	19	19	
71.6%	0	8	8	
72.8%	0	3	3	
74.1%	0	1	1	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,372	1,372	
1.2%	0	1,293	1,293	
2.5%	0	1,240	1,240	
3.7%	0	1,215	1,215	
4.9%	0	1,211	1,211	
6.2%	0	1,046	1,046	
7.4%	0	1,023	1,023	
8.6%	0	911	911	
9.9%	0	732	732	
11.1%	0	721	721	
12.3%	0	699	699	
13.6%	0	673	673	
14.8%	0	669	669	
16.0%	0	646	646	
17.3%	0	644	644	
18.5%	0	627	627	
19.8%	0	627	627	
21.0%	0	616	616	
22.2%	0	616	616	
23.5%	0	600	600	
24.7%	0	595	595	
25.9%	0	583	583	
27.2%	0	546	546	
28.4%	0	526	526	
29.6%	0	523	523	
30.9%	0	499	499	
32.1%	0	472	472	
33.3%	0	469	469	
34.6%	0	456	456	
35.8%	0	445	445	
37.0%	0	421	421	
38.3%	0	414	414	
39.5%	0	396	396	
40.7%	0	396	396	
42.0%	0	382	382	
43.2%	0	377	377	
44.4%	0	352	352	
45.7%	0	343	343	
46.9%	0	339	339	
48.1%	0	330	330	
49.4%	0	324	324	
50.6%	0	317	317	
51.9%	0	316	316	
53.1%	0	269	269	
54.3%	0	267	267	
55.6%	0	248	248	
56.8%	0	212	212	
58.0%	0	212	212	
59.3%	0	204	204	
60.5%	0	202	202	
61.7%	0	183	183	
63.0%	0	173	173	
64.2%	0	132	132	
65.4%	0	122	122	
66.7%	0	120	120	
67.9%	0	70	70	
69.1%	0	47	47	
70.4%	0	43	43	
71.6%	0	22	22	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-9b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,906	1,906	
1.2%	0	1,889	1,889	
2.5%	0	1,870	1,870	
3.7%	0	1,867	1,867	
4.9%	0	1,859	1,859	
6.2%	0	1,856	1,856	
7.4%	0	1,856	1,856	
8.6%	0	1,823	1,823	
9.9%	0	1,821	1,821	
11.1%	0	1,813	1,813	
12.3%	0	1,810	1,810	
13.6%	0	1,796	1,796	
14.8%	0	1,779	1,779	
16.0%	0	1,772	1,772	
17.3%	0	1,747	1,747	
18.5%	0	1,745	1,745	
19.8%	0	1,743	1,743	
21.0%	0	1,724	1,724	
22.2%	0	1,710	1,710	
23.5%	0	1,707	1,707	
24.7%	0	1,703	1,703	
25.9%	0	1,683	1,683	
27.2%	0	1,681	1,681	
28.4%	0	1,578	1,578	
29.6%	0	1,429	1,429	
30.9%	0	1,418	1,418	
32.1%	0	1,338	1,338	
33.3%	0	1,274	1,274	
34.6%	0	1,246	1,246	
35.8%	0	1,059	1,059	
37.0%	0	1,038	1,038	
38.3%	0	859	859	
39.5%	0	742	742	
40.7%	0	679	679	
42.0%	0	607	607	
43.2%	0	603	603	
44.4%	0	600	600	
45.7%	0	580	580	
46.9%	0	579	579	
48.1%	0	571	571	
49.4%	0	563	563	
50.6%	0	530	530	
51.9%	0	508	508	
53.1%	0	488	488	
54.3%	0	486	486	
55.6%	0	478	478	
56.8%	0	467	467	
58.0%	0	460	460	
59.3%	0	424	424	
60.5%	0	379	379	
61.7%	0	356	356	
63.0%	0	344	344	
64.2%	0	320	320	
65.4%	0	316	316	
66.7%	0	293	293	
67.9%	0	291	291	
69.1%	0	283	283	
70.4%	0	245	245	
71.6%	0	215	215	
72.8%	0	209	209	
74.1%	0	209	209	
75.3%	0	207	207	
76.5%	0	130	130	
77.8%	0	126	126	
79.0%	0	122	122	
80.2%	0	95	95	
81.5%	0	70	70	
82.7%	0	40	40	
84.0%	0	40	40	
85.2%	0	13	13	
86.4%	0	1	1	
87.7%	0	1	1	
88.9%	0	1	1	
90.1%	0	1	1	
91.4%	0	1	1	
92.6%	0	1	1	
93.8%	0	1	1	
95.1%	0	1	1	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,955	1,955	
1.2%	0	1,955	1,955	
2.5%	0	1,951	1,951	
3.7%	0	1,944	1,944	
4.9%	0	1,942	1,942	
6.2%	0	1,912	1,912	
7.4%	0	1,912	1,912	
8.6%	0	1,896	1,896	
9.9%	0	1,892	1,892	
11.1%	0	1,891	1,891	
12.3%	0	1,884	1,884	
13.6%	0	1,881	1,881	
14.8%	0	1,880	1,880	
16.0%	0	1,879	1,879	
17.3%	0	1,876	1,876	
18.5%	0	1,865	1,865	
19.8%	0	1,863	1,863	
21.0%	0	1,858	1,858	
22.2%	0	1,853	1,853	
23.5%	0	1,846	1,846	
24.7%	0	1,833	1,833	
25.9%	0	1,823	1,823	
27.2%	0	1,823	1,823	
28.4%	0	1,816	1,816	
29.6%	0	1,810	1,810	
30.9%	0	1,781	1,781	
32.1%	0	1,771	1,771	
33.3%	0	1,725	1,725	
34.6%	0	1,708	1,708	
35.8%	0	1,639	1,639	
37.0%	0	1,525	1,525	
38.3%	0	1,304	1,304	
39.5%	0	1,238	1,238	
40.7%	0	1,095	1,095	
42.0%	0	1,021	1,021	
43.2%	0	953	953	
44.4%	0	831	831	
45.7%	0	814	814	
46.9%	0	814	814	
48.1%	0	801	801	
49.4%	0	793	793	
50.6%	0	786	786	
51.9%	0	775	775	
53.1%	0	756	756	
54.3%	0	705	705	
55.6%	0	693	693	
56.8%	0	686	686	
58.0%	0	672	672	
59.3%	0	654	654	
60.5%	0	647	647	
61.7%	0	632	632	
63.0%	0	576	576	
64.2%	0	571	571	
65.4%	0	568	568	
66.7%	0	562	562	
67.9%	0	481	481	
69.1%	0	423	423	
70.4%	0	365	365	
71.6%	0	359	359	
72.8%	0	304	304	
74.1%	0	288	288	
75.3%	0	250	250	
76.5%	0	142	142	
77.8%	0	139	139	
79.0%	0	79	79	
80.2%	0	4	4	
81.5%	0	2	2	
82.7%	0	2	2	
84.0%	0	2	2	
85.2%	0	2	2	
86.4%	0	2	2	
87.7%	0	2	2	
88.9%	0	2	2	
90.1%	0	2	2	
91.4%	0	2	2	
92.6%	0	2	2	
93.8%	0	2	2	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,506	1,506	
1.2%	0	1,498	1,498	
2.5%	0	1,487	1,487	
3.7%	0	1,471	1,471	
4.9%	0	1,467	1,467	
6.2%	0	1,466	1,466	
7.4%	0	1,452	1,452	
8.6%	0	1,449	1,449	
9.9%	0	1,434	1,434	
11.1%	0	1,404	1,404	
12.3%	0	1,397	1,397	
13.6%	0	1,390	1,390	
14.8%	0	1,382	1,382	
16.0%	0	1,250	1,250	
17.3%	0	1,215	1,215	
18.5%	0	1,208	1,208	
19.8%	0	924	924	
21.0%	0	651	651	
22.2%	0	645	645	
23.5%	0	636	636	
24.7%	0	636	636	
25.9%	0	621	621	
27.2%	0	608	608	
28.4%	0	604	604	
29.6%	0	603	603	
30.9%	0	566	566	
32.1%	0	564	564	
33.3%	0	562	562	
34.6%	0	554	554	
35.8%	0	543	543	
37.0%	0	513	513	
38.3%	0	510	510	
39.5%	0	489	489	
40.7%	0	464	464	
42.0%	0	461	461	
43.2%	0	457	457	
44.4%	0	437	437	
45.7%	0	387	387	
46.9%	0	362	362	
48.1%	0	358	358	
49.4%	0	340	340	
50.6%	0	324	324	
51.9%	0	296	296	
53.1%	0	263	263	
54.3%	0	262	262	
55.6%	0	234	234	
56.8%	0	234	234	
58.0%	0	230	230	
59.3%	0	203	203	
60.5%	0	198	198	
61.7%	0	187	187	
63.0%	0	157	157	
64.2%	0	126	126	
65.4%	0	121	121	
66.7%	0	120	120	
67.9%	0	118	118	
69.1%	0	116	116	
70.4%	0	79	79	
71.6%	0	34	34	
72.8%	0	34	34	
74.1%	0	5	5	
75.3%	0	3	3	
76.5%	0	3	3	
77.8%	0	3	3	
79.0%	0	3	3	
80.2%	0	3	3	
81.5%	0	3	3	
82.7%	0	3	3	
84.0%	0	3	3	
85.2%	0	3	3	
86.4%	0	3	3	
87.7%	0	3	3	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	518	518	
1.2%	0	514	514	
2.5%	0	510	510	
3.7%	0	503	503	
4.9%	0	503	503	
6.2%	0	490	490	
7.4%	0	489	489	
8.6%	0	487	487	
9.9%	0	486	486	
11.1%	0	484	484	
12.3%	0	484	484	
13.6%	0	476	476	
14.8%	0	469	469	
16.0%	0	467	467	
17.3%	0	464	464	
18.5%	0	444	444	
19.8%	0	444	444	
21.0%	0	442	442	
22.2%	0	440	440	
23.5%	0	440	440	
24.7%	0	431	431	
25.9%	0	426	426	
27.2%	0	393	393	
28.4%	0	383	383	
29.6%	0	375	375	
30.9%	0	373	373	
32.1%	0	361	361	
33.3%	0	291	291	
34.6%	0	277	277	
35.8%	0	271	271	
37.0%	0	267	267	
38.3%	0	261	261	
39.5%	0	246	246	
40.7%	0	241	241	
42.0%	0	234	234	
43.2%	0	234	234	
44.4%	0	232	232	
45.7%	0	226	226	
46.9%	0	226	226	
48.1%	0	221	221	
49.4%	0	215	215	
50.6%	0	209	209	
51.9%	0	203	203	
53.1%	0	200	200	
54.3%	0	178	178	
55.6%	0	176	176	
56.8%	0	175	175	
58.0%	0	156	156	
59.3%	0	146	146	
60.5%	0	141	141	
61.7%	0	135	135	
63.0%	0	132	132	
64.2%	0	124	124	
65.4%	0	115	115	
66.7%	0	112	112	
67.9%	0	107	107	
69.1%	0	106	106	
70.4%	0	99	99	
71.6%	0	90	90	
72.8%	0	82	82	
74.1%	0	71	71	
75.3%	0	70	70	
76.5%	0	60	60	
77.8%	0	54	54	
79.0%	0	53	53	
80.2%	0	50	50	
81.5%	0	49	49	
82.7%	0	38	38	
84.0%	0	36	36	
85.2%	0	18	18	
86.4%	0	5	5	
87.7%	0	5	5	
88.9%	0	5	5	
90.1%	0	5	5	
91.4%	0	5	5	
92.6%	0	5	5	
93.8%	0	5	5	
95.1%	0	5	5	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-9a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	718	728	59	7	30	82	105	98	710	1,003	771	923
Difference	718	728	59	7	30	82	105	98	710	1,003	771	923
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	839	1,170	25	0	0	0	0	0	369	745	461	1,160
Difference	839	1,170	25	0	0	0	0	0	369	745	461	1,160
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	934	1,195	86	0	0	0	0	0	388	1,158	888	999
Difference	934	1,195	86	0	0	0	0	0	388	1,158	888	999
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	429	242	74	0	121	37	0	0	707	1,009	852	728
Difference	429	242	74	0	121	37	0	0	707	1,009	852	728
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	777	536	97	0	0	83	41	43	1,116	1,378	1,270	1,014
Difference	777	536	97	0	0	83	41	43	1,116	1,378	1,270	1,014
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	488	161	31	45	62	392	657	606	1,166	834	484	426
Difference	488	161	31	45	62	392	657	606	1,166	834	484	426
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

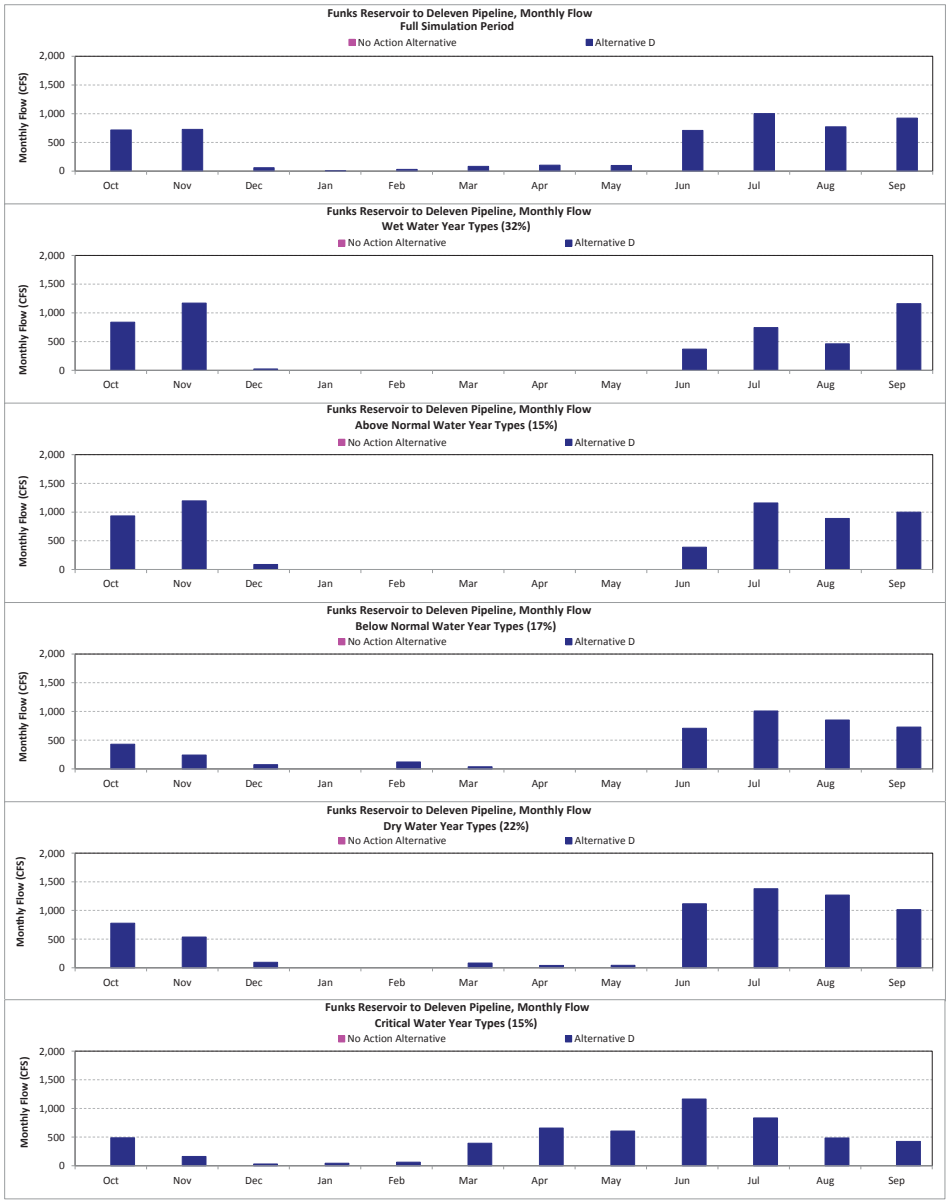

Figure OP-06-9b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

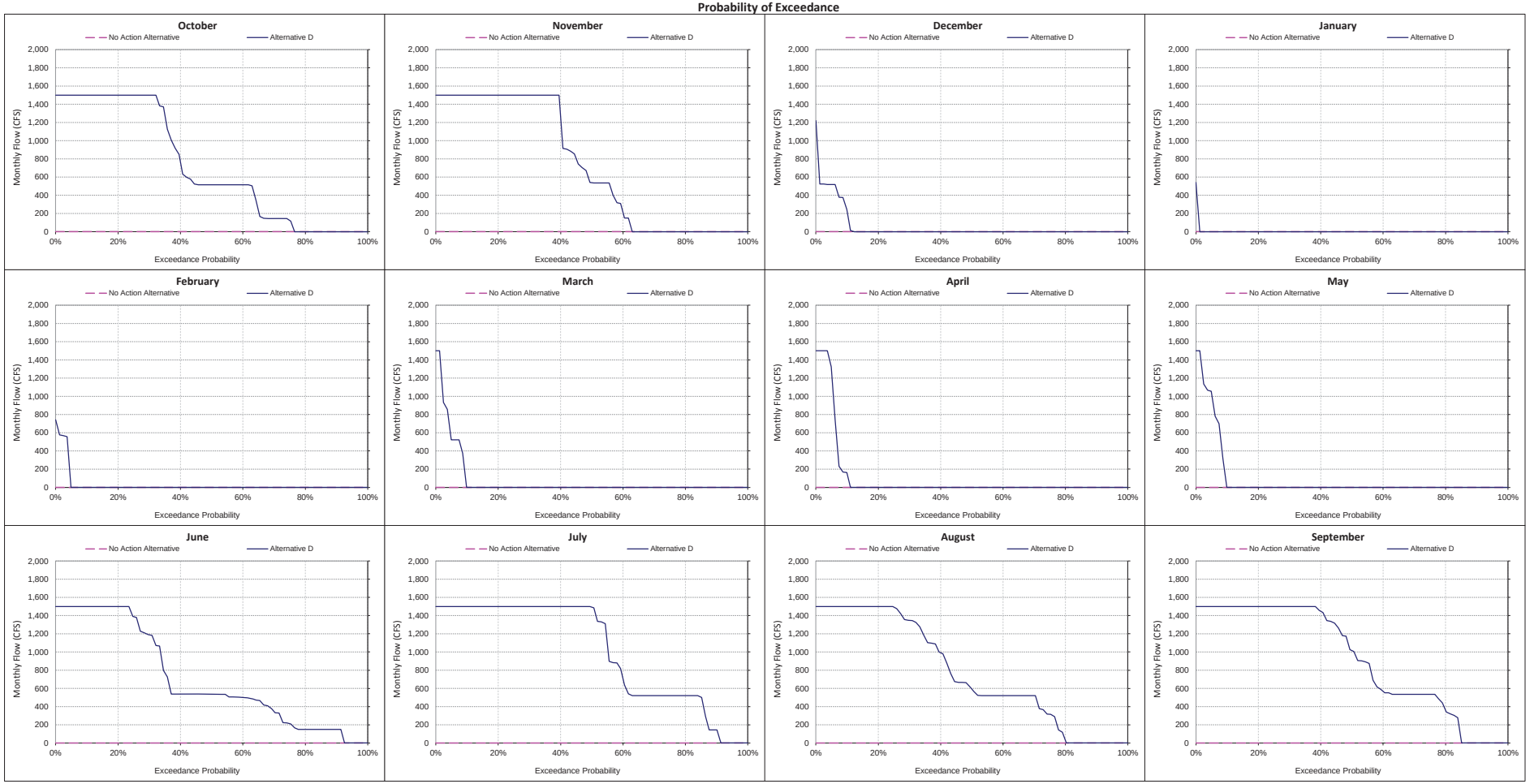

Table OP-06-9b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,384	1,384	
34.6%	0	1,372	1,372	
35.8%	0	1,125	1,125	
37.0%	0	1,006	1,006	
38.3%	0	917	917	
39.5%	0	848	848	
40.7%	0	632	632	
42.0%	0	599	599	
43.2%	0	577	577	
44.4%	0	523	523	
45.7%	0	516	516	
46.9%	0	516	516	
48.1%	0	516	516	
49.4%	0	516	516	
50.6%	0	516	516	
51.9%	0	516	516	
53.1%	0	516	516	
54.3%	0	516	516	
55.6%	0	516	516	
56.8%	0	516	516	
58.0%	0	516	516	
59.3%	0	516	516	
60.5%	0	516	516	
61.7%	0	516	516	
63.0%	0	504	504	
64.2%	0	346	346	
65.4%	0	167	167	
66.7%	0	148	148	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	115	115	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	913	913	
42.0%	0	907	907	
43.2%	0	884	884	
44.4%	0	855	855	
45.7%	0	744	744	
46.9%	0	703	703	
48.1%	0	673	673	
49.4%	0	540	540	
50.6%	0	535	535	
51.9%	0	535	535	
53.1%	0	535	535	
54.3%	0	535	535	
55.6%	0	535	535	
56.8%	0	402	402	
58.0%	0	319	319	
59.3%	0	310	310	
60.5%	0	150	150	
61.7%	0	150	150	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,220	1,220	
1.2%	0	523	523	
2.5%	0	523	523	
3.7%	0	518	518	
4.9%	0	518	518	
6.2%	0	518	518	
7.4%	0	378	378	
8.6%	0	374	374	
9.9%	0	245	245	
11.1%	0	13	13	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	540	540	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-9b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	743	743	
1.2%	0	576	576	
2.5%	0	567	567	
3.7%	0	556	556	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	934	934	
3.7%	0	856	856	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	522	522	
8.6%	0	373	373	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,323	1,323	
6.2%	0	740	740	
7.4%	0	232	232	
8.6%	0	168	168	
9.9%	0	162	162	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,135	1,135	
3.7%	0	1,066	1,066	
4.9%	0	1,056	1,056	
6.2%	0	781	781	
7.4%	0	698	698	
8.6%	0	314	314	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-9b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,391	1,391	
25.9%	0	1,380	1,380	
27.2%	0	1,227	1,227	
28.4%	0	1,212	1,212	
29.6%	0	1,190	1,190	
30.9%	0	1,184	1,184	
32.1%	0	1,073	1,073	
33.3%	0	1,065	1,065	
34.6%	0	797	797	
35.8%	0	726	726	
37.0%	0	539	539	
38.3%	0	539	539	
39.5%	0	539	539	
40.7%	0	539	539	
42.0%	0	539	539	
43.2%	0	539	539	
44.4%	0	539	539	
45.7%	0	539	539	
46.9%	0	539	539	
48.1%	0	539	539	
49.4%	0	539	539	
50.6%	0	539	539	
51.9%	0	535	535	
53.1%	0	534	534	
54.3%	0	534	534	
55.6%	0	506	506	
56.8%	0	506	506	
58.0%	0	506	506	
59.3%	0	500	500	
60.5%	0	500	500	
61.7%	0	494	494	
63.0%	0	486	486	
64.2%	0	472	472	
65.4%	0	467	467	
66.7%	0	418	418	
67.9%	0	410	410	
69.1%	0	377	377	
70.4%	0	333	333	
71.6%	0	329	329	
72.8%	0	224	224	
74.1%	0	220	220	
75.3%	0	209	209	
76.5%	0	168	168	
77.8%	0	150	150	
79.0%	0	150	150	
80.2%	0	150	150	
81.5%	0	150	150	
82.7%	0	150	150	
84.0%	0	150	150	
85.2%	0	150	150	
86.4%	0	150	150	
87.7%	0	150	150	
88.9%	0	150	150	
90.1%	0	150	150	
91.4%	0	150	150	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,486	1,486	
51.9%	0	1,336	1,336	
53.1%	0	1,332	1,332	
54.3%	0	1,312	1,312	
55.6%	0	897	897	
56.8%	0	884	884	
58.0%	0	881	881	
59.3%	0	816	816	
60.5%	0	639	639	
61.7%	0	540	540	
63.0%	0	520	520	
64.2%	0	520	520	
65.4%	0	520	520	
66.7%	0	520	520	
67.9%	0	520	520	
69.1%	0	520	520	
70.4%	0	520	520	
71.6%	0	520	520	
72.8%	0	520	520	
74.1%	0	520	520	
75.3%	0	520	520	
76.5%	0	520	520	
77.8%	0	520	520	
79.0%	0	520	520	
80.2%	0	520	520	
81.5%	0	520	520	
82.7%	0	520	520	
84.0%	0	520	520	
85.2%	0	500	500	
86.4%	0	293	293	
87.7%	0	145	145	
88.9%	0	145	145	
90.1%	0	145	145	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,475	1,475	
27.2%	0	1,422	1,422	
28.4%	0	1,355	1,355	
29.6%	0	1,347	1,347	
30.9%	0	1,346	1,346	
32.1%	0	1,326	1,326	
33.3%	0	1,277	1,277	
34.6%	0	1,187	1,187	
35.8%	0	1,103	1,103	
37.0%	0	1,097	1,097	
38.3%	0	1,089	1,089	
39.5%	0	1,000	1,000	
40.7%	0	979	979	
42.0%	0	878	878	
43.2%	0	763	763	
44.4%	0	674	674	
45.7%	0	667	667	
46.9%	0	666	666	
48.1%	0	664	664	
49.4%	0	617	617	
50.6%	0	565	565	
51.9%	0	523	523	
53.1%	0	519	519	
54.3%	0	519	519	
55.6%	0	519	519	
56.8%	0	519	519	
58.0%	0	519	519	
59.3%	0	519	519	
60.5%	0	519	519	
61.7%	0	519	519	
63.0%	0	519	519	
64.2%	0	519	519	
65.4%	0	519	519	
66.7%	0	519	519	
67.9%	0	519	519	
69.1%	0	519	519	
70.4%	0	519	519	
71.6%	0	377	377	
72.8%	0	365	365	
74.1%	0	318	318	
75.3%	0	315	315	
76.5%	0	288	288	
77.8%	0	145	145	
79.0%	0	118	118	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,457	1,457	
40.7%	0	1,435	1,435	
42.0%	0	1,347	1,347	
43.2%	0	1,336	1,336	
44.4%	0	1,317	1,317	
45.7%	0	1,264	1,264	
46.9%	0	1,181	1,181	
48.1%	0	1,174	1,174	
49.4%	0	1,024	1,024	
50.6%	0	1,005	1,005	
51.9%	0	907	907	
53.1%	0	903	903	
54.3%	0	891	891	
55.6%	0	875	875	
56.8%	0	688	688	
58.0%	0	616	616	
59.3%	0	589	589	
60.5%	0	553	553	
61.7%	0	552	552	
63.0%	0	535	535	
64.2%	0	535	535	
65.4%	0	535	535	
66.7%	0	535	535	
67.9%	0	535	535	
69.1%	0	535	535	
70.4%	0	535	535	
71.6%	0	535	535	
72.8%	0	535	535	
74.1%	0	535	535	
75.3%	0	535	535	
76.5%	0	535	535	
77.8%	0	488	488	
79.0%	0	442	442	
80.2%	0	341	341	
81.5%	0	322	322	
82.7%	0	303	303	
84.0%	0	279	279	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-9a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (cfs)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	859	791	68	7	30	101	332	458	1,516	1,966	1,251	1,155
Difference	859	791	68	7	30	101	332	458	1,516	1,966	1,251	1,155
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,102	1,311	46	0	0	2	72	89	694	1,577	693	1,504
Difference	1,102	1,311	46	0	0	2	72	89	694	1,577	693	1,504
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	984	1,237	87	0	0	2	35	192	1,243	2,163	1,320	1,127
Difference	984	1,237	87	0	0	2	35	192	1,243	2,163	1,320	1,127
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	530	256	75	0	123	54	125	386	1,570	2,053	1,522	920
Difference	530	256	75	0	123	54	125	386	1,570	2,053	1,522	920
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	877	564	97	0	1	102	407	668	2,538	2,502	1,978	1,205
Difference	877	564	97	0	1	102	407	668	2,538	2,502	1,978	1,205
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	562	181	44	45	63	464	1,323	1,294	1,975	1,707	985	622
Difference	562	181	44	45	63	464	1,323	1,294	1,975	1,707	985	622
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

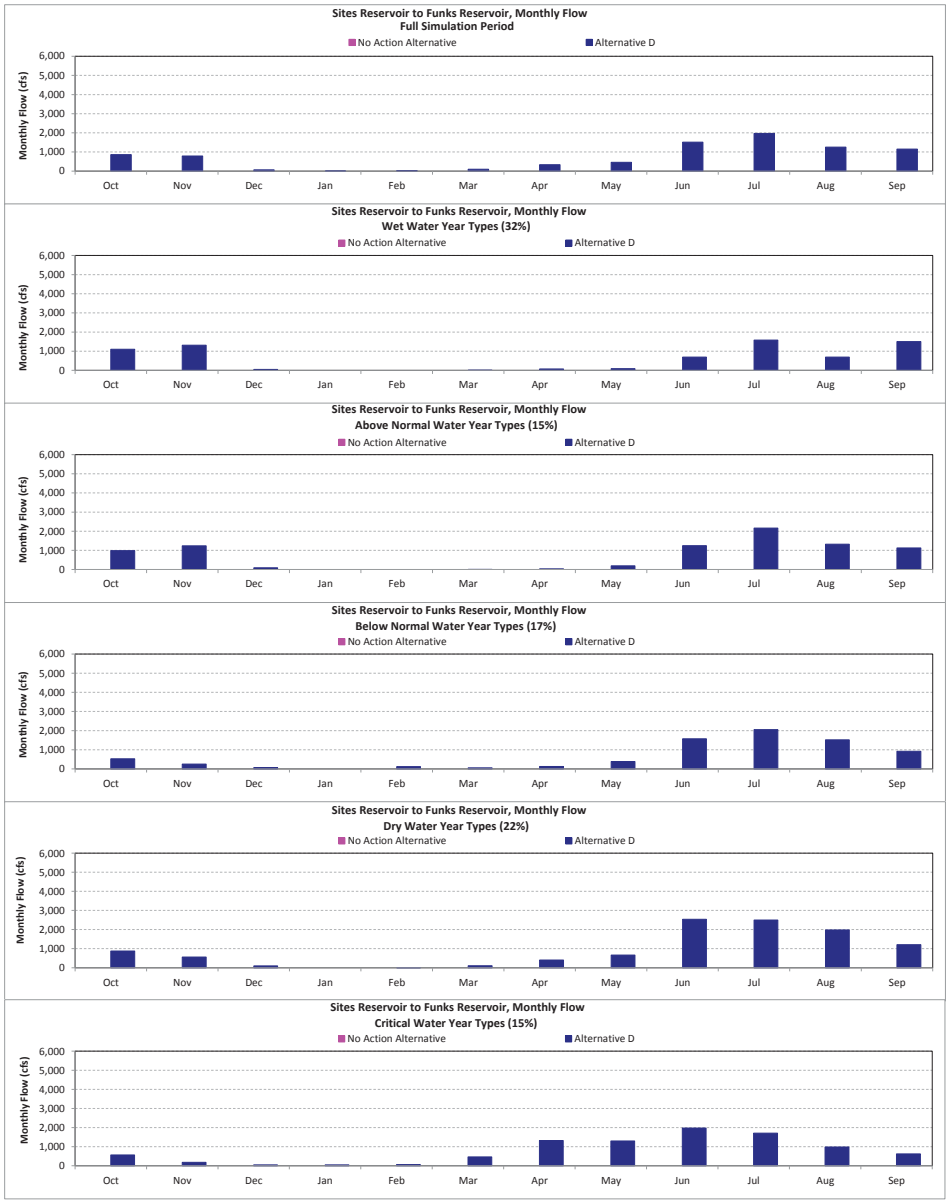

Figure OP-07-9b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

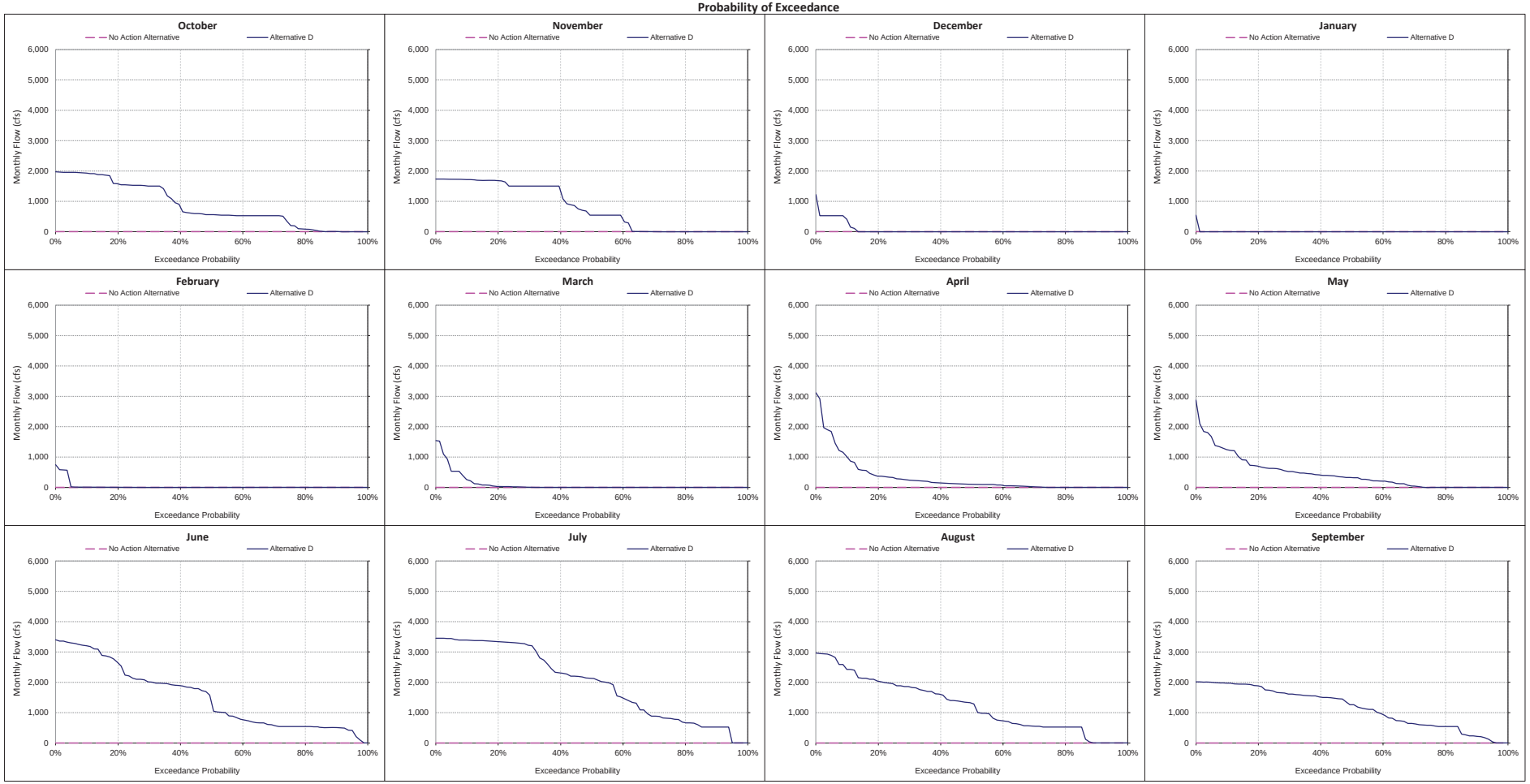

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,973	1,973	
1.2%	0	1,962	1,962	
2.5%	0	1,960	1,960	
3.7%	0	1,959	1,959	
4.9%	0	1,956	1,956	
6.2%	0	1,954	1,954	
7.4%	0	1,949	1,949	
8.6%	0	1,942	1,942	
9.9%	0	1,934	1,934	
11.1%	0	1,915	1,915	
12.3%	0	1,915	1,915	
13.6%	0	1,880	1,880	
14.8%	0	1,876	1,876	
16.0%	0	1,865	1,865	
17.3%	0	1,843	1,843	
18.5%	0	1,591	1,591	
19.8%	0	1,577	1,577	
21.0%	0	1,547	1,547	
22.2%	0	1,544	1,544	
23.5%	0	1,536	1,536	
24.7%	0	1,530	1,530	
25.9%	0	1,525	1,525	
27.2%	0	1,525	1,525	
28.4%	0	1,523	1,523	
29.6%	0	1,507	1,507	
30.9%	0	1,507	1,507	
32.1%	0	1,507	1,507	
33.3%	0	1,507	1,507	
34.6%	0	1,420	1,420	
35.8%	0	1,179	1,179	
37.0%	0	1,096	1,096	
38.3%	0	951	951	
39.5%	0	901	901	
40.7%	0	656	656	
42.0%	0	633	633	
43.2%	0	613	613	
44.4%	0	596	596	
45.7%	0	591	591	
46.9%	0	588	588	
48.1%	0	563	563	
49.4%	0	562	562	
50.6%	0	558	558	
51.9%	0	556	556	
53.1%	0	545	545	
54.3%	0	544	544	
55.6%	0	544	544	
56.8%	0	533	533	
58.0%	0	529	529	
59.3%	0	526	526	
60.5%	0	524	524	
61.7%	0	523	523	
63.0%	0	523	523	
64.2%	0	523	523	
65.4%	0	523	523	
66.7%	0	523	523	
67.9%	0	523	523	
69.1%	0	523	523	
70.4%	0	523	523	
71.6%	0	523	523	
72.8%	0	506	506	
74.1%	0	346	346	
75.3%	0	198	198	
76.5%	0	189	189	
77.8%	0	96	96	
79.0%	0	90	90	
80.2%	0	78	78	
81.5%	0	75	75	
82.7%	0	56	56	
84.0%	0	33	33	
85.2%	0	9	9	
86.4%	0	9	9	
87.7%	0	8	8	
88.9%	0	2	2	
90.1%	0	1	1	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,738	1,738	
1.2%	0	1,737	1,737	
2.5%	0	1,736	1,736	
3.7%	0	1,731	1,731	
4.9%	0	1,726	1,726	
6.2%	0	1,722	1,722	
7.4%	0	1,721	1,721	
8.6%	0	1,721	1,721	
9.9%	0	1,719	1,719	
11.1%	0	1,713	1,713	
12.3%	0	1,709	1,709	
13.6%	0	1,694	1,694	
14.8%	0	1,692	1,692	
16.0%	0	1,691	1,691	
17.3%	0	1,691	1,691	
18.5%	0	1,690	1,690	
19.8%	0	1,679	1,679	
21.0%	0	1,670	1,670	
22.2%	0	1,638	1,638	
23.5%	0	1,507	1,507	
24.7%	0	1,505	1,505	
25.9%	0	1,505	1,505	
27.2%	0	1,505	1,505	
28.4%	0	1,505	1,505	
29.6%	0	1,505	1,505	
30.9%	0	1,505	1,505	
32.1%	0	1,505	1,505	
33.3%	0	1,505	1,505	
34.6%	0	1,503	1,503	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,082	1,082	
42.0%	0	919	919	
43.2%	0	889	889	
44.4%	0	860	860	
45.7%	0	749	749	
46.9%	0	703	703	
48.1%	0	678	678	
49.4%	0	542	542	
50.6%	0	541	541	
51.9%	0	541	541	
53.1%	0	541	541	
54.3%	0	540	540	
55.6%	0	540	540	
56.8%	0	540	540	
58.0%	0	540	540	
59.3%	0	540	540	
60.5%	0	318	318	
61.7%	0	288	288	
63.0%	0	2	2	
64.2%	0	2	2	
65.4%	0	2	2	
66.7%	0	1	1	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,220	1,220	
1.2%	0	523	523	
2.5%	0	523	523	
3.7%	0	523	523	
4.9%	0	523	523	
6.2%	0	523	523	
7.4%	0	523	523	
8.6%	0	523	523	
9.9%	0	409	409	
11.1%	0	149	149	
12.3%	0	110	110	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	540	540	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	743	743	
1.2%	0	579	579	
2.5%	0	570	570	
3.7%	0	569	569	
4.9%	0	17	17	
6.2%	0	14	14	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	1,543	1,543	
1.2%	0	1,524	1,524	
2.5%	0	1,099	1,099	
3.7%	0	938	938	
4.9%	0	530	530	
6.2%	0	528	528	
7.4%	0	528	528	
8.6%	0	394	394	
9.9%	0	261	261	
11.1%	0	217	217	
12.3%	0	121	121	
13.6%	0	114	114	
14.8%	0	77	77	
16.0%	0	76	76	
17.3%	0	71	71	
18.5%	0	45	45	
19.8%	0	29	29	
21.0%	0	29	29	
22.2%	0	28	28	
23.5%	0	25	25	
24.7%	0	16	16	
25.9%	0	15	15	
27.2%	0	9	9	
28.4%	0	8	8	
29.6%	0	7	7	
30.9%	0	5	5	
32.1%	0	5	5	
33.3%	0	3	3	
34.6%	0	2	2	
35.8%	0	2	2	
37.0%	0	1	1	
38.3%	0	1	1	
39.5%	0	1	1	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,115	3,115	
1.2%	0	2,919	2,919	
2.5%	0	1,969	1,969	
3.7%	0	1,900	1,900	
4.9%	0	1,838	1,838	
6.2%	0	1,453	1,453	
7.4%	0	1,216	1,216	
8.6%	0	1,153	1,153	
9.9%	0	1,014	1,014	
11.1%	0	868	868	
12.3%	0	823	823	
13.6%	0	590	590	
14.8%	0	567	567	
16.0%	0	554	554	
17.3%	0	462	462	
18.5%	0	409	409	
19.8%	0	373	373	
21.0%	0	365	365	
22.2%	0	349	349	
23.5%	0	336	336	
24.7%	0	329	329	
25.9%	0	287	287	
27.2%	0	277	277	
28.4%	0	254	254	
29.6%	0	243	243	
30.9%	0	231	231	
32.1%	0	222	222	
33.3%	0	219	219	
34.6%	0	210	210	
35.8%	0	194	194	
37.0%	0	159	159	
38.3%	0	158	158	
39.5%	0	153	153	
40.7%	0	143	143	
42.0%	0	136	136	
43.2%	0	119	119	
44.4%	0	119	119	
45.7%	0	108	108	
46.9%	0	108	108	
48.1%	0	106	106	
49.4%	0	106	106	
50.6%	0	104	104	
51.9%	0	98	98	
53.1%	0	94	94	
54.3%	0	94	94	
55.6%	0	93	93	
56.8%	0	93	93	
58.0%	0	81	81	
59.3%	0	74	74	
60.5%	0	56	56	
61.7%	0	54	54	
63.0%	0	51	51	
64.2%	0	44	44	
65.4%	0	43	43	
66.7%	0	42	42	
67.9%	0	31	31	
69.1%	0	26	26	
70.4%	0	19	19	
71.6%	0	8	8	
72.8%	0	3	3	
74.1%	0	1	1	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,872	2,872	
1.2%	0	2,102	2,102	
2.5%	0	1,839	1,839	
3.7%	0	1,808	1,808	
4.9%	0	1,682	1,682	
6.2%	0	1,381	1,381	
7.4%	0	1,344	1,344	
8.6%	0	1,293	1,293	
9.9%	0	1,240	1,240	
11.1%	0	1,215	1,215	
12.3%	0	1,211	1,211	
13.6%	0	1,023	1,023	
14.8%	0	911	911	
16.0%	0	897	897	
17.3%	0	732	732	
18.5%	0	721	721	
19.8%	0	699	699	
21.0%	0	669	669	
22.2%	0	644	644	
23.5%	0	627	627	
24.7%	0	627	627	
25.9%	0	616	616	
27.2%	0	595	595	
28.4%	0	546	546	
29.6%	0	526	526	
30.9%	0	523	523	
32.1%	0	499	499	
33.3%	0	472	472	
34.6%	0	469	469	
35.8%	0	456	456	
37.0%	0	445	445	
38.3%	0	421	421	
39.5%	0	414	414	
40.7%	0	396	396	
42.0%	0	396	396	
43.2%	0	382	382	
44.4%	0	377	377	
45.7%	0	352	352	
46.9%	0	343	343	
48.1%	0	330	330	
49.4%	0	324	324	
50.6%	0	317	317	
51.9%	0	316	316	
53.1%	0	269	269	
54.3%	0	267	267	
55.6%	0	248	248	
56.8%	0	212	212	
58.0%	0	212	212	
59.3%	0	204	204	
60.5%	0	202	202	
61.7%	0	183	183	
63.0%	0	173	173	
64.2%	0	132	132	
65.4%	0	122	122	
66.7%	0	120	120	
67.9%	0	70	70	
69.1%	0	47	47	
70.4%	0	43	43	
71.6%	0	22	22	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-9b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,406	3,406	
1.2%	0	3,356	3,356	
2.5%	0	3,356	3,356	
3.7%	0	3,321	3,321	
4.9%	0	3,296	3,296	
6.2%	0	3,279	3,279	
7.4%	0	3,245	3,245	
8.6%	0	3,224	3,224	
9.9%	0	3,207	3,207	
11.1%	0	3,183	3,183	
12.3%	0	3,101	3,101	
13.6%	0	3,090	3,090	
14.8%	0	2,892	2,892	
16.0%	0	2,875	2,875	
17.3%	0	2,838	2,838	
18.5%	0	2,774	2,774	
19.8%	0	2,664	2,664	
21.0%	0	2,538	2,538	
22.2%	0	2,242	2,242	
23.5%	0	2,215	2,215	
24.7%	0	2,132	2,132	
25.9%	0	2,103	2,103	
27.2%	0	2,100	2,100	
28.4%	0	2,080	2,080	
29.6%	0	2,020	2,020	
30.9%	0	2,009	2,009	
32.1%	0	1,973	1,973	
33.3%	0	1,972	1,972	
34.6%	0	1,963	1,963	
35.8%	0	1,954	1,954	
37.0%	0	1,922	1,922	
38.3%	0	1,904	1,904	
39.5%	0	1,897	1,897	
40.7%	0	1,879	1,879	
42.0%	0	1,844	1,844	
43.2%	0	1,831	1,831	
44.4%	0	1,791	1,791	
45.7%	0	1,790	1,790	
46.9%	0	1,728	1,728	
48.1%	0	1,694	1,694	
49.4%	0	1,579	1,579	
50.6%	0	1,046	1,046	
51.9%	0	1,020	1,020	
53.1%	0	1,016	1,016	
54.3%	0	1,009	1,009	
55.6%	0	894	894	
56.8%	0	888	888	
58.0%	0	831	831	
59.3%	0	784	784	
60.5%	0	753	753	
61.7%	0	729	729	
63.0%	0	697	697	
64.2%	0	668	668	
65.4%	0	664	664	
66.7%	0	660	660	
67.9%	0	610	610	
69.1%	0	603	603	
70.4%	0	571	571	
71.6%	0	540	540	
72.8%	0	540	540	
74.1%	0	540	540	
75.3%	0	540	540	
76.5%	0	540	540	
77.8%	0	540	540	
79.0%	0	540	540	
80.2%	0	540	540	
81.5%	0	540	540	
82.7%	0	538	538	
84.0%	0	535	535	
85.2%	0	507	507	
86.4%	0	507	507	
87.7%	0	507	507	
88.9%	0	507	507	
90.1%	0	507	507	
91.4%	0	500	500	
92.6%	0	488	488	
93.8%	0	424	424	
95.1%	0	410	410	
96.3%	0	209	209	
97.5%	0	95	95	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	3,455	3,455	
1.2%	0	3,455	3,455	
2.5%	0	3,451	3,451	
3.7%	0	3,444	3,444	
4.9%	0	3,442	3,442	
6.2%	0	3,412	3,412	
7.4%	0	3,396	3,396	
8.6%	0	3,392	3,392	
9.9%	0	3,391	3,391	
11.1%	0	3,384	3,384	
12.3%	0	3,380	3,380	
13.6%	0	3,379	3,379	
14.8%	0	3,376	3,376	
16.0%	0	3,365	3,365	
17.3%	0	3,363	3,363	
18.5%	0	3,353	3,353	
19.8%	0	3,346	3,346	
21.0%	0	3,333	3,333	
22.2%	0	3,323	3,323	
23.5%	0	3,323	3,323	
24.7%	0	3,310	3,310	
25.9%	0	3,302	3,302	
27.2%	0	3,281	3,281	
28.4%	0	3,271	3,271	
29.6%	0	3,225	3,225	
30.9%	0	3,208	3,208	
32.1%	0	3,025	3,025	
33.3%	0	2,804	2,804	
34.6%	0	2,738	2,738	
35.8%	0	2,595	2,595	
37.0%	0	2,453	2,453	
38.3%	0	2,331	2,331	
39.5%	0	2,314	2,314	
40.7%	0	2,301	2,301	
42.0%	0	2,275	2,275	
43.2%	0	2,205	2,205	
44.4%	0	2,205	2,205	
45.7%	0	2,193	2,193	
46.9%	0	2,179	2,179	
48.1%	0	2,147	2,147	
49.4%	0	2,132	2,132	
50.6%	0	2,128	2,128	
51.9%	0	2,076	2,076	
53.1%	0	2,026	2,026	
54.3%	0	2,003	2,003	
55.6%	0	1,981	1,981	
56.8%	0	1,923	1,923	
58.0%	0	1,555	1,555	
59.3%	0	1,521	1,521	
60.5%	0	1,459	1,459	
61.7%	0	1,395	1,395	
63.0%	0	1,336	1,336	
64.2%	0	1,314	1,314	
65.4%	0	1,091	1,091	
66.7%	0	1,088	1,088	
67.9%	0	959	959	
69.1%	0	885	885	
70.4%	0	884	884	
71.6%	0	879	879	
72.8%	0	825	825	
74.1%	0	819	819	
75.3%	0	808	808	
76.5%	0	786	786	
77.8%	0	770	770	
79.0%	0	686	686	
80.2%	0	662	662	
81.5%	0	659	659	
82.7%	0	654	654	
84.0%	0	599	599	
85.2%	0	523	523	
86.4%	0	523	523	
87.7%	0	523	523	
88.9%	0	523	523	
90.1%	0	523	523	
91.4%	0	523	523	
92.6%	0	523	523	
93.8%	0	523	523	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,966	2,966	
1.2%	0	2,952	2,952	
2.5%	0	2,942	2,942	
3.7%	0	2,934	2,934	
4.9%	0	2,890	2,890	
6.2%	0	2,819	2,819	
7.4%	0	2,590	2,590	
8.6%	0	2,587	2,587	
9.9%	0	2,428	2,428	
11.1%	0	2,424	2,424	
12.3%	0	2,404	2,404	
13.6%	0	2,151	2,151	
14.8%	0	2,136	2,136	
16.0%	0	2,135	2,135	
17.3%	0	2,104	2,104	
18.5%	0	2,103	2,103	
19.8%	0	2,043	2,043	
21.0%	0	2,013	2,013	
22.2%	0	1,989	1,989	
23.5%	0	1,971	1,971	
24.7%	0	1,957	1,957	
25.9%	0	1,890	1,890	
27.2%	0	1,887	1,887	
28.4%	0	1,862	1,862	
29.6%	0	1,858	1,858	
30.9%	0	1,824	1,824	
32.1%	0	1,821	1,821	
33.3%	0	1,759	1,759	
34.6%	0	1,730	1,730	
35.8%	0	1,698	1,698	
37.0%	0	1,697	1,697	
38.3%	0	1,617	1,617	
39.5%	0	1,616	1,616	
40.7%	0	1,579	1,579	
42.0%	0	1,444	1,444	
43.2%	0	1,395	1,395	
44.4%	0	1,395	1,395	
45.7%	0	1,381	1,381	
46.9%	0	1,360	1,360	
48.1%	0	1,350	1,350	
49.4%	0	1,329	1,329	
50.6%	0	1,288	1,288	
51.9%	0	1,006	1,006	
53.1%	0	983	983	
54.3%	0	980	980	
55.6%	0	963	963	
56.8%	0	815	815	
58.0%	0	753	753	
59.3%	0	743	743	
60.5%	0	722	722	
61.7%	0	707	707	
63.0%	0	643	643	
64.2%	0	636	636	
65.4%	0	608	608	
66.7%	0	570	570	
67.9%	0	564	564	
69.1%	0	562	562	
70.4%	0	555	555	
71.6%	0	554	554	
72.8%	0	523	523	
74.1%	0	523	523	
75.3%	0	523	523	
76.5%	0	523	523	
77.8%	0	523	523	
79.0%	0	523	523	
80.2%	0	523	523	
81.5%	0	523	523	
82.7%	0	523	523	
84.0%	0	523	523	
85.2%	0	523	523	
86.4%	0	120	120	
87.7%	0	34	34	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (cfs)	Alternative D Monthly Flow (cfs)	Absolute Difference (cfs)	Relative Difference (%)
0.0%	0	2,018	2,018	
1.2%	0	2,014	2,014	
2.5%	0	2,010	2,010	
3.7%	0	2,003	2,003	
4.9%	0	2,003	2,003	
6.2%	0	1,987	1,987	
7.4%	0	1,984	1,984	
8.6%	0	1,984	1,984	
9.9%	0	1,976	1,976	
11.1%	0	1,969	1,969	
12.3%	0	1,944	1,944	
13.6%	0	1,944	1,944	
14.8%	0	1,942	1,942	
16.0%	0	1,940	1,940	
17.3%	0	1,931	1,931	
18.5%	0	1,893	1,893	
19.8%	0	1,883	1,883	
21.0%	0	1,861	1,861	
22.2%	0	1,746	1,746	
23.5%	0	1,741	1,741	
24.7%	0	1,715	1,715	
25.9%	0	1,664	1,664	
27.2%	0	1,656	1,656	
28.4%	0	1,646	1,646	
29.6%	0	1,612	1,612	
30.9%	0	1,611	1,611	
32.1%	0	1,599	1,599	
33.3%	0	1,591	1,591	
34.6%	0	1,570	1,570	
35.8%	0	1,560	1,560	
37.0%	0	1,554	1,554	
38.3%	0	1,553	1,553	
39.5%	0	1,518	1,518	
40.7%	0	1,505	1,505	
42.0%	0	1,505	1,505	
43.2%	0	1,490	1,490	
44.4%	0	1,477	1,477	
45.7%	0	1,461	1,461	
46.9%	0	1,449	1,449	
48.1%	0	1,358	1,358	
49.4%	0	1,263	1,263	
50.6%	0	1,258	1,258	
51.9%	0	1,183	1,183	
53.1%	0	1,152	1,152	
54.3%	0	1,129	1,129	
55.6%	0	1,111	1,111	
56.8%	0	1,105	1,105	
58.0%	0	1,015	1,015	
59.3%	0	973	973	
60.5%	0	913	913	
61.7%	0	829	829	
63.0%	0	815	815	
64.2%	0	743	743	
65.4%	0	735	735	
66.7%	0	716	716	
67.9%	0	642	642	
69.1%	0	641	641	
70.4%	0	626	626	
71.6%	0	606	606	
72.8%	0	593	593	
74.1%	0	585	585	
75.3%	0	584	584	
76.5%	0	558	558	
77.8%	0	541	541	
79.0%	0	540	540	
80.2%	0	540	540	
81.5%	0	540	540	
82.7%	0	540	540	
84.0%	0	540	540	
85.2%	0	291	291	
86.4%	0	267	267	
87.7%	0	234	234	
88.9%	0	232	232	
90.1%	0	221	221	
91.4%	0	209	209	
92.6%	0	175	175	
93.8%	0	124	124	
95.1%	0	36	36	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-9a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

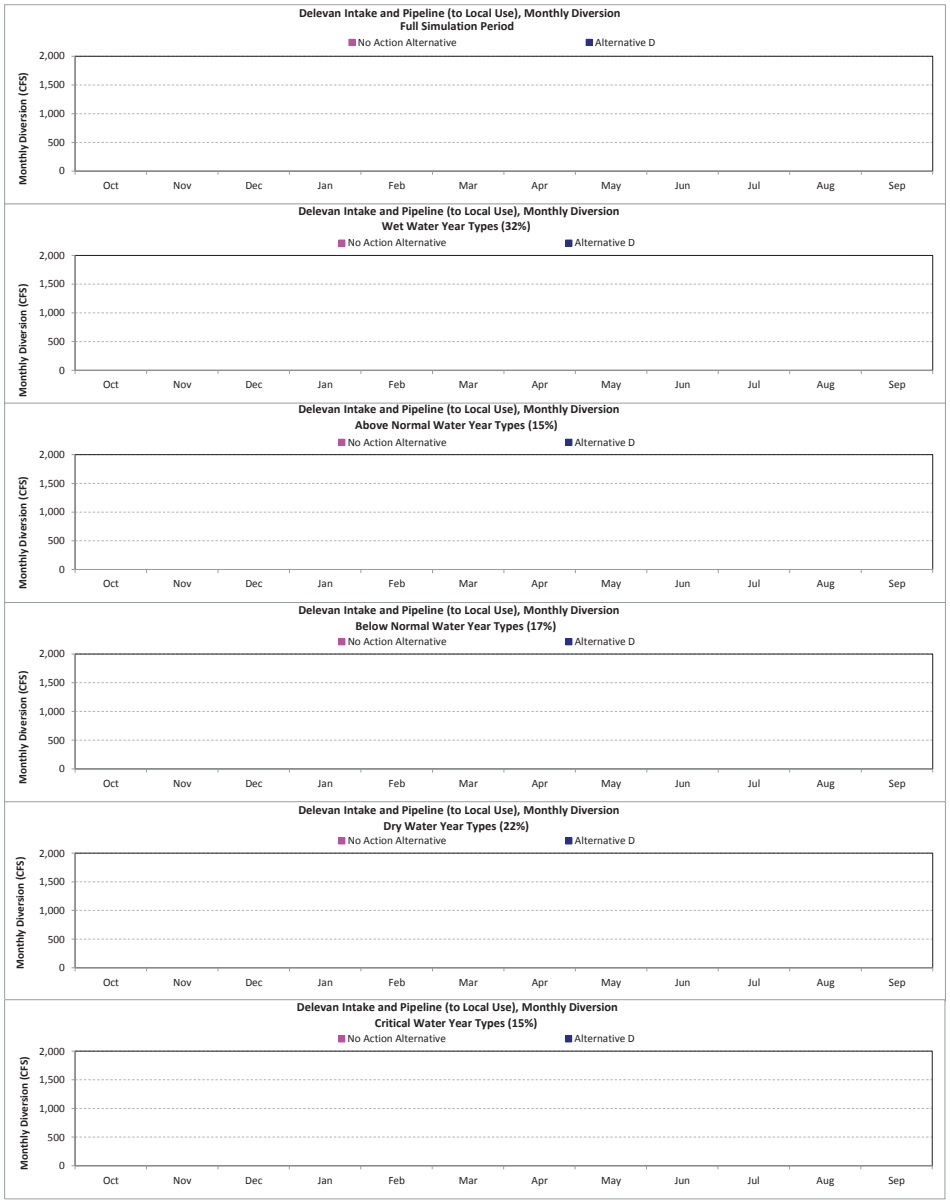

Figure OP-08-9b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

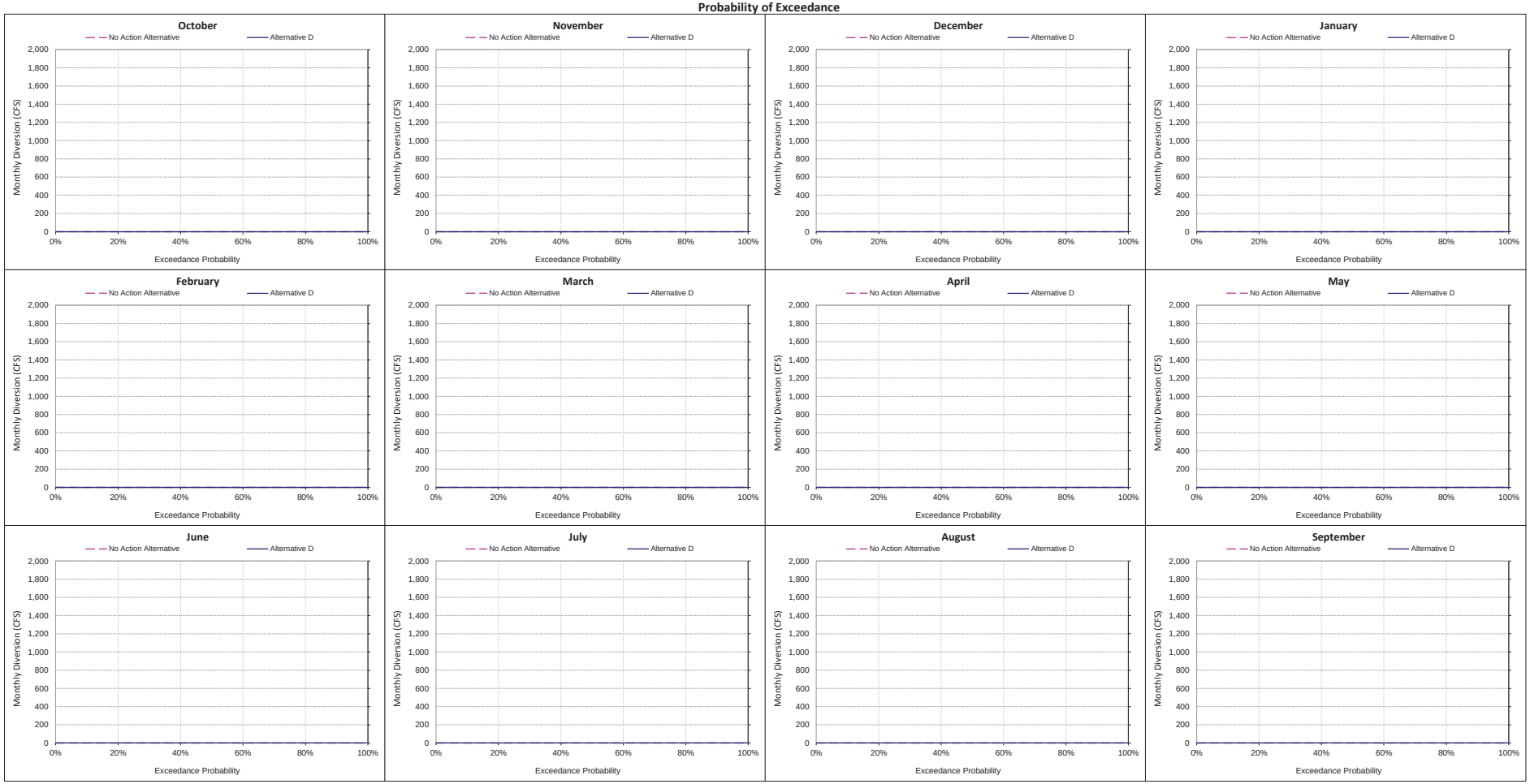

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-9b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-09-9a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,031	998	1,090	1,225	1,349	1,460	1,469	1,447	1,357	1,230	1,154	1,083
Difference	1,031	998	1,090	1,225	1,349	1,460	1,469	1,447	1,357	1,230	1,154	1,083
Percent Difference[3]												
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,463	1,400	1,526	1,581	1,697	1,771	1,788	1,791	1,744	1,643	1,615	1,524
Difference	1,463	1,400	1,526	1,581	1,697	1,771	1,788	1,791	1,744	1,643	1,615	1,524
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,252	1,208	1,336	1,259	1,443	1,610	1,666	1,679	1,617	1,475	1,386	1,314
Difference	1,252	1,208	1,336	1,259	1,443	1,610	1,666	1,679	1,617	1,475	1,386	1,314
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	1,035	1,027	1,112	1,154	1,277	1,424	1,465	1,451	1,363	1,229	1,128	1,069
Difference	1,035	1,027	1,112	1,154	1,277	1,424	1,465	1,451	1,363	1,229	1,128	1,069
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	758	739	793	1,099	1,231	1,378	1,376	1,330	1,175	1,014	886	813
Difference	758	739	793	1,099	1,231	1,378	1,376	1,330	1,175	1,014	886	813
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	282	275	320	694	763	803	724	641	520	416	355	317
Difference	282	275	320	694	763	803	724	641	520	416	355	317
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

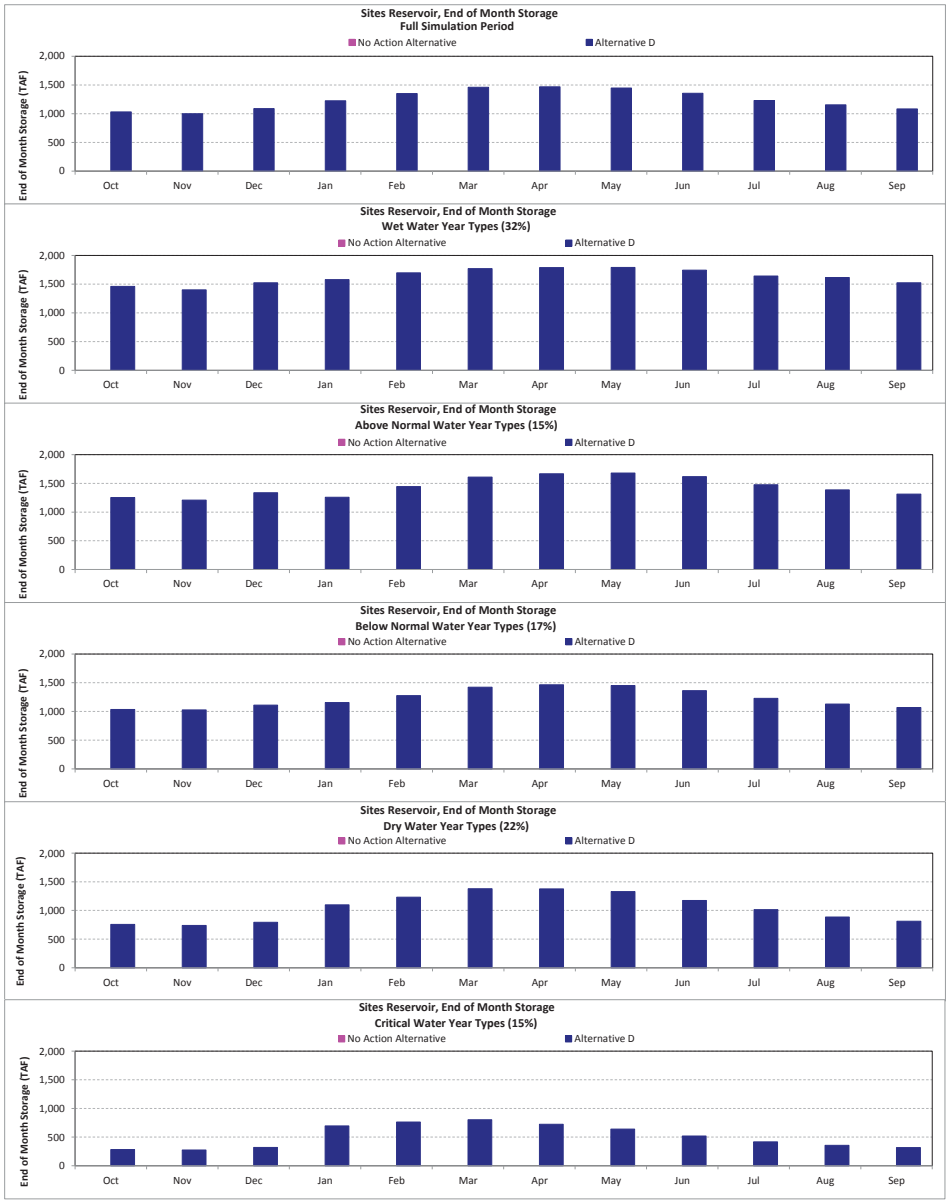

Figure OP-09-9b
Sites Reservoir, End of Month Storage
Probability of Exceedance

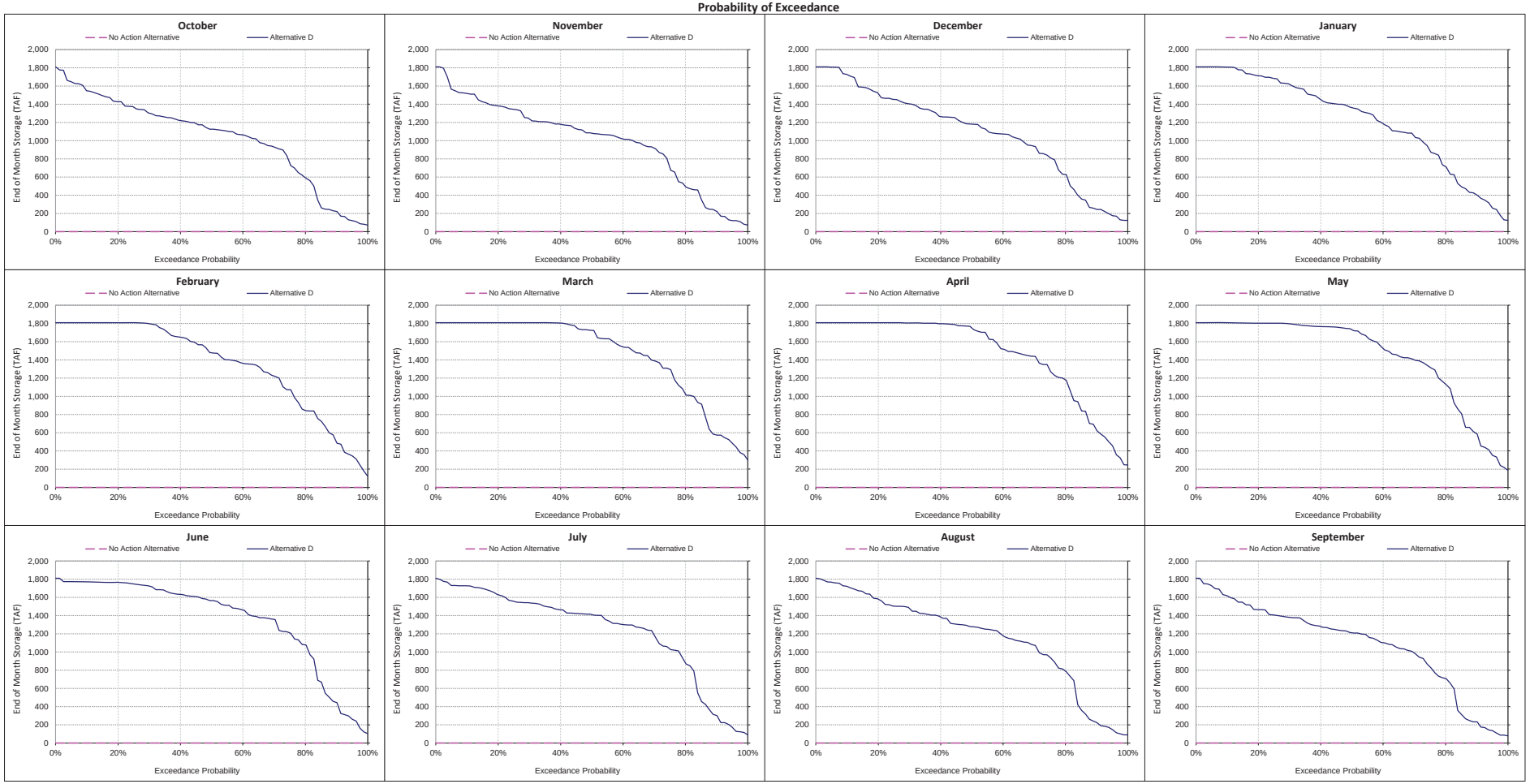

Table OP-09-9b

Sites Reservoir, End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,776	1,776	
2.5%	0	1,774	1,774	
3.7%	0	1,664	1,664	
4.9%	0	1,648	1,648	
6.2%	0	1,628	1,628	
7.4%	0	1,625	1,625	
8.6%	0	1,609	1,609	
9.9%	0	1,547	1,547	
11.1%	0	1,542	1,542	
12.3%	0	1,527	1,527	
13.6%	0	1,514	1,514	
14.8%	0	1,496	1,496	
16.0%	0	1,483	1,483	
17.3%	0	1,474	1,474	
18.5%	0	1,433	1,433	
19.8%	0	1,429	1,429	
21.0%	0	1,429	1,429	
22.2%	0	1,381	1,381	
23.5%	0	1,377	1,377	
24.7%	0	1,375	1,375	
25.9%	0	1,347	1,347	
27.2%	0	1,343	1,343	
28.4%	0	1,339	1,339	
29.6%	0	1,304	1,304	
30.9%	0	1,293	1,293	
32.1%	0	1,274	1,274	
33.3%	0	1,270	1,270	
34.6%	0	1,263	1,263	
35.8%	0	1,255	1,255	
37.0%	0	1,251	1,251	
38.3%	0	1,237	1,237	
39.5%	0	1,223	1,223	
40.7%	0	1,216	1,216	
42.0%	0	1,211	1,211	
43.2%	0	1,199	1,199	
44.4%	0	1,196	1,196	
45.7%	0	1,174	1,174	
46.9%	0	1,173	1,173	
48.1%	0	1,145	1,145	
49.4%	0	1,126	1,126	
50.6%	0	1,126	1,126	
51.9%	0	1,121	1,121	
53.1%	0	1,116	1,116	
54.3%	0	1,108	1,108	
55.6%	0	1,099	1,099	
56.8%	0	1,096	1,096	
58.0%	0	1,072	1,072	
59.3%	0	1,065	1,065	
60.5%	0	1,062	1,062	
61.7%	0	1,044	1,044	
63.0%	0	1,026	1,026	
64.2%	0	1,021	1,021	
65.4%	0	978	978	
66.7%	0	970	970	
67.9%	0	946	946	
69.1%	0	941	941	
70.4%	0	927	927	
71.6%	0	909	909	
72.8%	0	898	898	
74.1%	0	836	836	
75.3%	0	727	727	
76.5%	0	697	697	
77.8%	0	649	649	
79.0%	0	622	622	
80.2%	0	586	586	
81.5%	0	559	559	
82.7%	0	500	500	
84.0%	0	346	346	
85.2%	0	262	262	
86.4%	0	246	246	
87.7%	0	245	245	
88.9%	0	229	229	
90.1%	0	220	220	
91.4%	0	169	169	
92.6%	0	168	168	
93.8%	0	131	131	
95.1%	0	122	122	
96.3%	0	110	110	
97.5%	0	87	87	
98.8%	0	81	81	
100.0%	0	73	73	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,796	1,796	
3.7%	0	1,699	1,699	
4.9%	0	1,564	1,564	
6.2%	0	1,548	1,548	
7.4%	0	1,527	1,527	
8.6%	0	1,525	1,525	
9.9%	0	1,519	1,519	
11.1%	0	1,512	1,512	
12.3%	0	1,511	1,511	
13.6%	0	1,448	1,448	
14.8%	0	1,428	1,428	
16.0%	0	1,416	1,416	
17.3%	0	1,396	1,396	
18.5%	0	1,388	1,388	
19.8%	0	1,384	1,384	
21.0%	0	1,376	1,376	
22.2%	0	1,368	1,368	
23.5%	0	1,351	1,351	
24.7%	0	1,346	1,346	
25.9%	0	1,341	1,341	
27.2%	0	1,328	1,328	
28.4%	0	1,256	1,256	
29.6%	0	1,249	1,249	
30.9%	0	1,218	1,218	
32.1%	0	1,214	1,214	
33.3%	0	1,209	1,209	
34.6%	0	1,208	1,208	
35.8%	0	1,206	1,206	
37.0%	0	1,198	1,198	
38.3%	0	1,183	1,183	
39.5%	0	1,182	1,182	
40.7%	0	1,174	1,174	
42.0%	0	1,168	1,168	
43.2%	0	1,165	1,165	
44.4%	0	1,136	1,136	
45.7%	0	1,123	1,123	
46.9%	0	1,118	1,118	
48.1%	0	1,087	1,087	
49.4%	0	1,086	1,086	
50.6%	0	1,079	1,079	
51.9%	0	1,074	1,074	
53.1%	0	1,069	1,069	
54.3%	0	1,067	1,067	
55.6%	0	1,064	1,064	
56.8%	0	1,058	1,058	
58.0%	0	1,039	1,039	
59.3%	0	1,026	1,026	
60.5%	0	1,016	1,016	
61.7%	0	1,014	1,014	
63.0%	0	1,003	1,003	
64.2%	0	980	980	
65.4%	0	975	975	
66.7%	0	948	948	
67.9%	0	934	934	
69.1%	0	931	931	
70.4%	0	911	911	
71.6%	0	868	868	
72.8%	0	854	854	
74.1%	0	806	806	
75.3%	0	674	674	
76.5%	0	654	654	
77.8%	0	551	551	
79.0%	0	534	534	
80.2%	0	488	488	
81.5%	0	472	472	
82.7%	0	460	460	
84.0%	0	457	457	
85.2%	0	346	346	
86.4%	0	263	263	
87.7%	0	246	246	
88.9%	0	245	245	
90.1%	0	220	220	
91.4%	0	168	168	
92.6%	0	168	168	
93.8%	0	131	131	
95.1%	0	122	122	
96.3%	0	122	122	
97.5%	0	110	110	
98.8%	0	82	82	
100.0%	0	73	73	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,809	1,809	
6.2%	0	1,807	1,807	
7.4%	0	1,806	1,806	
8.6%	0	1,737	1,737	
9.9%	0	1,727	1,727	
11.1%	0	1,708	1,708	
12.3%	0	1,695	1,695	
13.6%	0	1,591	1,591	
14.8%	0	1,588	1,588	
16.0%	0	1,582	1,582	
17.3%	0	1,566	1,566	
18.5%	0	1,542	1,542	
19.8%	0	1,530	1,530	
21.0%	0	1,470	1,470	
22.2%	0	1,466	1,466	
23.5%	0	1,465	1,465	
24.7%	0	1,455	1,455	
25.9%	0	1,451	1,451	
27.2%	0	1,431	1,431	
28.4%	0	1,414	1,414	
29.6%	0	1,405	1,405	
30.9%	0	1,401	1,401	
32.1%	0	1,385	1,385	
33.3%	0	1,356	1,356	
34.6%	0	1,346	1,346	
35.8%	0	1,346	1,346	
37.0%	0	1,326	1,326	
38.3%	0	1,308	1,308	
39.5%	0	1,270	1,270	
40.7%	0	1,261	1,261	
42.0%	0	1,259	1,259	
43.2%	0	1,256	1,256	
44.4%	0	1,255	1,255	
45.7%	0	1,223	1,223	
46.9%	0	1,202	1,202	
48.1%	0	1,187	1,187	
49.4%	0	1,182	1,182	
50.6%	0	1,179	1,179	
51.9%	0	1,179	1,179	
53.1%	0	1,140	1,140	
54.3%	0	1,128	1,128	
55.6%	0	1,091	1,091	
56.8%	0	1,083	1,083	
58.0%	0	1,078	1,078	
59.3%	0	1,074	1,074	
60.5%	0	1,071	1,071	
61.7%	0	1,068	1,068	
63.0%	0	1,042	1,042	
64.2%	0	1,030	1,030	
65.4%	0	1,018	1,018	
66.7%	0	985	985	
67.9%	0	952	952	
69.1%	0	947	947	
70.4%	0	936	936	
71.6%	0	861	861	
72.8%	0	858	858	
74.1%	0	840	840	
75.3%	0	810	810	
76.5%	0	788	788	
77.8%	0	678	678	
79.0%	0	633	633	
80.2%	0	626	626	
81.5%	0	505	505	
82.7%	0	463	463	
84.0%	0	400	400	
85.2%	0	358	358	
86.4%	0	346	346	
87.7%	0	266	266	
88.9%	0	260	260	
90.1%	0	245	245	
91.4%	0	244	244	
92.6%	0	220	220	
93.8%	0	198	198	
95.1%	0	175	175	
96.3%	0	168	168	
97.5%	0	131	131	
98.8%	0	124	124	
100.0%	0	124	124	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,809	1,809	
11.1%	0	1,807	1,807	
12.3%	0	1,806	1,806	
13.6%	0	1,780	1,780	
14.8%	0	1,777	1,777	
16.0%	0	1,737	1,737	
17.3%	0	1,735	1,735	
18.5%	0	1,721	1,721	
19.8%	0	1,713	1,713	
21.0%	0	1,712	1,712	
22.2%	0	1,696	1,696	
23.5%	0	1,696	1,696	
24.7%	0	1,685	1,685	
25.9%	0	1,680	1,680	
27.2%	0	1,635	1,635	
28.4%	0	1,632	1,632	
29.6%	0	1,626	1,626	
30.9%	0	1,602	1,602	
32.1%	0	1,582	1,582	
33.3%	0	1,575	1,575	
34.6%	0	1,566	1,566	
35.8%	0	1,512	1,512	
37.0%	0	1,503	1,503	
38.3%	0	1,493	1,493	
39.5%	0	1,461	1,461	
40.7%	0	1,434	1,434	
42.0%	0	1,417	1,417	
43.2%	0	1,411	1,411	
44.4%	0	1,405	1,405	
45.7%	0	1,401	1,401	
46.9%	0	1,399	1,399	
48.1%	0	1,387	1,387	
49.4%	0	1,369	1,369	
50.6%	0	1,356	1,356	
51.9%	0	1,349	1,349	
53.1%	0	1,321	1,321	
54.3%	0	1,308	1,308	
55.6%	0	1,301	1,301	
56.8%	0	1,282	1,282	
58.0%	0	1,223	1,223	
59.3%	0	1,202	1,202	
60.5%	0	1,174	1,174	
61.7%	0	1,154	1,154	
63.0%	0	1,108	1,108	
64.2%	0	1,105	1,105	
65.4%	0	1,096	1,096	
66.7%	0	1,091	1,091	
67.9%	0	1,083	1,083	
69.1%	0	1,083	1,083	
70.4%	0	1,035	1,035	
71.6%	0	1,027	1,027	
72.8%	0	985	985	
74.1%	0	947	947	
75.3%	0	872	872	
76.5%	0	857	857	
77.8%	0	840	840	
79.0%	0	734	734	
80.2%	0	708	708	
81.5%	0	633	633	
82.7%	0	626	626	
84.0%	0	530	530	
85.2%	0	491	491	
86.4%	0	473	473	
87.7%	0	433	433	
88.9%	0	428	428	
90.1%	0	401	401	
91.4%	0	367	367	
92.6%	0	347	347	
93.8%	0	318	318	
95.1%	0	260	260	
96.3%	0	245	245	
97.5%	0	177	177	
98.8%	0	131	131	
100.0%	0	124	124	

Table OP-09-9b

Sites Reservoir, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,809	1,809	
27.2%	0	1,807	1,807	
28.4%	0	1,806	1,806	
29.6%	0	1,801	1,801	
30.9%	0	1,791	1,791	
32.1%	0	1,786	1,786	
33.3%	0	1,755	1,755	
34.6%	0	1,736	1,736	
35.8%	0	1,705	1,705	
37.0%	0	1,669	1,669	
38.3%	0	1,659	1,659	
39.5%	0	1,651	1,651	
40.7%	0	1,646	1,646	
42.0%	0	1,636	1,636	
43.2%	0	1,604	1,604	
44.4%	0	1,595	1,595	
45.7%	0	1,567	1,567	
46.9%	0	1,566	1,566	
48.1%	0	1,535	1,535	
49.4%	0	1,480	1,480	
50.6%	0	1,475	1,475	
51.9%	0	1,472	1,472	
53.1%	0	1,429	1,429	
54.3%	0	1,401	1,401	
55.6%	0	1,400	1,400	
56.8%	0	1,394	1,394	
58.0%	0	1,387	1,387	
59.3%	0	1,371	1,371	
60.5%	0	1,358	1,358	
61.7%	0	1,356	1,356	
63.0%	0	1,353	1,353	
64.2%	0	1,343	1,343	
65.4%	0	1,317	1,317	
66.7%	0	1,270	1,270	
67.9%	0	1,260	1,260	
69.1%	0	1,234	1,234	
70.4%	0	1,218	1,218	
71.6%	0	1,201	1,201	
72.8%	0	1,105	1,105	
74.1%	0	1,073	1,073	
75.3%	0	1,072	1,072	
76.5%	0	986	986	
77.8%	0	933	933	
79.0%	0	858	858	
80.2%	0	843	843	
81.5%	0	839	839	
82.7%	0	839	839	
84.0%	0	755	755	
85.2%	0	725	725	
86.4%	0	667	667	
87.7%	0	600	600	
88.9%	0	575	575	
90.1%	0	485	485	
91.4%	0	475	475	
92.6%	0	387	387	
93.8%	0	367	367	
95.1%	0	345	345	
96.3%	0	310	310	
97.5%	0	244	244	
98.8%	0	177	177	
100.0%	0	124	124	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,809	1,809	
37.0%	0	1,809	1,809	
38.3%	0	1,807	1,807	
39.5%	0	1,806	1,806	
40.7%	0	1,803	1,803	
42.0%	0	1,794	1,794	
43.2%	0	1,785	1,785	
44.4%	0	1,778	1,778	
45.7%	0	1,740	1,740	
46.9%	0	1,731	1,731	
48.1%	0	1,730	1,730	
49.4%	0	1,727	1,727	
50.6%	0	1,724	1,724	
51.9%	0	1,644	1,644	
53.1%	0	1,636	1,636	
54.3%	0	1,632	1,632	
55.6%	0	1,631	1,631	
56.8%	0	1,604	1,604	
58.0%	0	1,572	1,572	
59.3%	0	1,551	1,551	
60.5%	0	1,538	1,538	
61.7%	0	1,537	1,537	
63.0%	0	1,506	1,506	
64.2%	0	1,478	1,478	
65.4%	0	1,474	1,474	
66.7%	0	1,450	1,450	
67.9%	0	1,448	1,448	
69.1%	0	1,398	1,398	
70.4%	0	1,387	1,387	
71.6%	0	1,370	1,370	
72.8%	0	1,311	1,311	
74.1%	0	1,310	1,310	
75.3%	0	1,293	1,293	
76.5%	0	1,181	1,181	
77.8%	0	1,121	1,121	
79.0%	0	1,085	1,085	
80.2%	0	1,014	1,014	
81.5%	0	1,011	1,011	
82.7%	0	1,000	1,000	
84.0%	0	934	934	
85.2%	0	913	913	
86.4%	0	771	771	
87.7%	0	638	638	
88.9%	0	586	586	
90.1%	0	575	575	
91.4%	0	574	574	
92.6%	0	546	546	
93.8%	0	525	525	
95.1%	0	484	484	
96.3%	0	443	443	
97.5%	0	382	382	
98.8%	0	359	359	
100.0%	0	301	301	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,809	1,809	
27.2%	0	1,807	1,807	
28.4%	0	1,807	1,807	
29.6%	0	1,807	1,807	
30.9%	0	1,807	1,807	
32.1%	0	1,806	1,806	
33.3%	0	1,806	1,806	
34.6%	0	1,804	1,804	
35.8%	0	1,803	1,803	
37.0%	0	1,803	1,803	
38.3%	0	1,803	1,803	
39.5%	0	1,798	1,798	
40.7%	0	1,797	1,797	
42.0%	0	1,794	1,794	
43.2%	0	1,791	1,791	
44.4%	0	1,788	1,788	
45.7%	0	1,775	1,775	
46.9%	0	1,775	1,775	
48.1%	0	1,773	1,773	
49.4%	0	1,768	1,768	
50.6%	0	1,732	1,732	
51.9%	0	1,713	1,713	
53.1%	0	1,705	1,705	
54.3%	0	1,702	1,702	
55.6%	0	1,625	1,625	
56.8%	0	1,623	1,623	
58.0%	0	1,583	1,583	
59.3%	0	1,525	1,525	
60.5%	0	1,514	1,514	
61.7%	0	1,491	1,491	
63.0%	0	1,491	1,491	
64.2%	0	1,480	1,480	
65.4%	0	1,468	1,468	
66.7%	0	1,454	1,454	
67.9%	0	1,450	1,450	
69.1%	0	1,441	1,441	
70.4%	0	1,437	1,437	
71.6%	0	1,365	1,365	
72.8%	0	1,350	1,350	
74.1%	0	1,349	1,349	
75.3%	0	1,271	1,271	
76.5%	0	1,230	1,230	
77.8%	0	1,206	1,206	
79.0%	0	1,201	1,201	
80.2%	0	1,175	1,175	
81.5%	0	1,061	1,061	
82.7%	0	954	954	
84.0%	0	942	942	
85.2%	0	840	840	
86.4%	0	837	837	
87.7%	0	703	703	
88.9%	0	693	693	
90.1%	0	623	623	
91.4%	0	586	586	
92.6%	0	553	553	
93.8%	0	503	503	
95.1%	0	456	456	
96.3%	0	358	358	
97.5%	0	326	326	
98.8%	0	249	249	
100.0%	0	246	246	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,806	1,806	
16.0%	0	1,804	1,804	
17.3%	0	1,804	1,804	
18.5%	0	1,804	1,804	
19.8%	0	1,804	1,804	
21.0%	0	1,804	1,804	
22.2%	0	1,804	1,804	
23.5%	0	1,804	1,804	
24.7%	0	1,804	1,804	
25.9%	0	1,804	1,804	
27.2%	0	1,803	1,803	
28.4%	0	1,801	1,801	
29.6%	0	1,801	1,801	
30.9%	0	1,792	1,792	
32.1%	0	1,788	1,788	
33.3%	0	1,784	1,784	
34.6%	0	1,777	1,777	
35.8%	0	1,774	1,774	
37.0%	0	1,772	1,772	
38.3%	0	1,768	1,768	
39.5%	0	1,767	1,767	
40.7%	0	1,766	1,766	
42.0%	0	1,764	1,764	
43.2%	0	1,764	1,764	
44.4%	0	1,763	1,763	
45.7%	0	1,758	1,758	
46.9%	0	1,753	1,753	
48.1%	0	1,747	1,747	
49.4%	0	1,742	1,742	
50.6%	0	1,719	1,719	
51.9%	0	1,717	1,717	
53.1%	0	1,682	1,682	
54.3%	0	1,670	1,670	
55.6%	0	1,630	1,630	
56.8%	0	1,609	1,609	
58.0%	0	1,594	1,594	
59.3%	0	1,548	1,548	
60.5%	0	1,508	1,508	
61.7%	0	1,496	1,496	
63.0%	0	1,464	1,464	
64.2%	0	1,457	1,457	
65.4%	0	1,436	1,436	
66.7%	0	1,424	1,424	
67.9%	0	1,423	1,423	
69.1%	0	1,411	1,411	
70.4%	0	1,395	1,395	
71.6%	0	1,388	1,388	
72.8%	0	1,371	1,371	
74.1%	0	1,341	1,341	
75.3%	0	1,313	1,313	
76.5%	0	1,288	1,288	
77.8%	0	1,201	1,201	
79.0%	0	1,165	1,165	
80.2%	0	1,127	1,127	
81.5%	0	1,083	1,083	
82.7%	0	928	928	
84.0%	0	863	863	
85.2%	0	807	807	
86.4%	0	661	661	
87.7%	0	660	660	
88.9%	0	613	613	
90.1%	0	585	585	
91.4%	0	454	454	
92.6%	0	439	439	
93.8%	0	415	415	
95.1%	0	350	350	
96.3%	0	335	335	
97.5%	0	240	240	
98.8%	0	219	219	
100.0%	0	189	189	

Table OP-09-9b

Sites Reservoir, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,809	1,809	
2.5%	0	1,773	1,773	
3.7%	0	1,773	1,773	
4.9%	0	1,773	1,773	
6.2%	0	1,773	1,773	
7.4%	0	1,773	1,773	
8.6%	0	1,771	1,771	
9.9%	0	1,771	1,771	
11.1%	0	1,771	1,771	
12.3%	0	1,767	1,767	
13.6%	0	1,767	1,767	
14.8%	0	1,767	1,767	
16.0%	0	1,765	1,765	
17.3%	0	1,765	1,765	
18.5%	0	1,765	1,765	
19.8%	0	1,765	1,765	
21.0%	0	1,762	1,762	
22.2%	0	1,762	1,762	
23.5%	0	1,756	1,756	
24.7%	0	1,750	1,750	
25.9%	0	1,744	1,744	
27.2%	0	1,737	1,737	
28.4%	0	1,729	1,729	
29.6%	0	1,728	1,728	
30.9%	0	1,716	1,716	
32.1%	0	1,686	1,686	
33.3%	0	1,684	1,684	
34.6%	0	1,683	1,683	
35.8%	0	1,663	1,663	
37.0%	0	1,646	1,646	
38.3%	0	1,638	1,638	
39.5%	0	1,634	1,634	
40.7%	0	1,632	1,632	
42.0%	0	1,618	1,618	
43.2%	0	1,615	1,615	
44.4%	0	1,611	1,611	
45.7%	0	1,605	1,605	
46.9%	0	1,587	1,587	
48.1%	0	1,582	1,582	
49.4%	0	1,566	1,566	
50.6%	0	1,564	1,564	
51.9%	0	1,554	1,554	
53.1%	0	1,523	1,523	
54.3%	0	1,513	1,513	
55.6%	0	1,513	1,513	
56.8%	0	1,483	1,483	
58.0%	0	1,478	1,478	
59.3%	0	1,468	1,468	
60.5%	0	1,455	1,455	
61.7%	0	1,411	1,411	
63.0%	0	1,396	1,396	
64.2%	0	1,390	1,390	
65.4%	0	1,378	1,378	
66.7%	0	1,377	1,377	
67.9%	0	1,370	1,370	
69.1%	0	1,363	1,363	
70.4%	0	1,356	1,356	
71.6%	0	1,238	1,238	
72.8%	0	1,226	1,226	
74.1%	0	1,221	1,221	
75.3%	0	1,206	1,206	
76.5%	0	1,143	1,143	
77.8%	0	1,135	1,135	
79.0%	0	1,083	1,083	
80.2%	0	1,076	1,076	
81.5%	0	971	971	
82.7%	0	923	923	
84.0%	0	689	689	
85.2%	0	669	669	
86.4%	0	546	546	
87.7%	0	504	504	
88.9%	0	456	456	
90.1%	0	444	444	
91.4%	0	325	325	
92.6%	0	311	311	
93.8%	0	298	298	
95.1%	0	261	261	
96.3%	0	240	240	
97.5%	0	160	160	
98.8%	0	122	122	
100.0%	0	105	105	

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,799	1,799	
2.5%	0	1,777	1,777	
3.7%	0	1,768	1,768	
4.9%	0	1,731	1,731	
6.2%	0	1,731	1,731	
7.4%	0	1,729	1,729	
8.6%	0	1,729	1,729	
9.9%	0	1,727	1,727	
11.1%	0	1,723	1,723	
12.3%	0	1,711	1,711	
13.6%	0	1,709	1,709	
14.8%	0	1,698	1,698	
16.0%	0	1,687	1,687	
17.3%	0	1,675	1,675	
18.5%	0	1,657	1,657	
19.8%	0	1,629	1,629	
21.0%	0	1,620	1,620	
22.2%	0	1,603	1,603	
23.5%	0	1,567	1,567	
24.7%	0	1,560	1,560	
25.9%	0	1,548	1,548	
27.2%	0	1,545	1,545	
28.4%	0	1,543	1,543	
29.6%	0	1,542	1,542	
30.9%	0	1,538	1,538	
32.1%	0	1,533	1,533	
33.3%	0	1,526	1,526	
34.6%	0	1,505	1,505	
35.8%	0	1,498	1,498	
37.0%	0	1,491	1,491	
38.3%	0	1,474	1,474	
39.5%	0	1,464	1,464	
40.7%	0	1,463	1,463	
42.0%	0	1,427	1,427	
43.2%	0	1,427	1,427	
44.4%	0	1,424	1,424	
45.7%	0	1,423	1,423	
46.9%	0	1,420	1,420	
48.1%	0	1,418	1,418	
49.4%	0	1,416	1,416	
50.6%	0	1,405	1,405	
51.9%	0	1,403	1,403	
53.1%	0	1,403	1,403	
54.3%	0	1,356	1,356	
55.6%	0	1,340	1,340	
56.8%	0	1,315	1,315	
58.0%	0	1,315	1,315	
59.3%	0	1,305	1,305	
60.5%	0	1,299	1,299	
61.7%	0	1,297	1,297	
63.0%	0	1,296	1,296	
64.2%	0	1,273	1,273	
65.4%	0	1,268	1,268	
66.7%	0	1,259	1,259	
67.9%	0	1,240	1,240	
69.1%	0	1,237	1,237	
70.4%	0	1,164	1,164	
71.6%	0	1,091	1,091	
72.8%	0	1,066	1,066	
74.1%	0	1,059	1,059	
75.3%	0	1,026	1,026	
76.5%	0	1,021	1,021	
77.8%	0	1,011	1,011	
79.0%	0	936	936	
80.2%	0	868	868	
81.5%	0	849	849	
82.7%	0	791	791	
84.0%	0	550	550	
85.2%	0	454	454	
86.4%	0	423	423	
87.7%	0	369	369	
88.9%	0	316	316	
90.1%	0	301	301	
91.4%	0	225	225	
92.6%	0	223	223	
93.8%	0	204	204	
95.1%	0	172	172	
96.3%	0	126	126	
97.5%	0	123	123	
98.8%	0	114	114	
100.0%	0	90	90	

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,804	1,804	
2.5%	0	1,788	1,788	
3.7%	0	1,769	1,769	
4.9%	0	1,769	1,769	
6.2%	0	1,759	1,759	
7.4%	0	1,756	1,756	
8.6%	0	1,728	1,728	
9.9%	0	1,721	1,721	
11.1%	0	1,704	1,704	
12.3%	0	1,690	1,690	
13.6%	0	1,673	1,673	
14.8%	0	1,668	1,668	
16.0%	0	1,639	1,639	
17.3%	0	1,638	1,638	
18.5%	0	1,589	1,589	
19.8%	0	1,585	1,585	
21.0%	0	1,562	1,562	
22.2%	0	1,523	1,523	
23.5%	0	1,520	1,520	
24.7%	0	1,505	1,505	
25.9%	0	1,503	1,503	
27.2%	0	1,502	1,502	
28.4%	0	1,498	1,498	
29.6%	0	1,490	1,490	
30.9%	0	1,448	1,448	
32.1%	0	1,447	1,447	
33.3%	0	1,425	1,425	
34.6%	0	1,422	1,422	
35.8%	0	1,412	1,412	
37.0%	0	1,406	1,406	
38.3%	0	1,405	1,405	
39.5%	0	1,394	1,394	
40.7%	0	1,371	1,371	
42.0%	0	1,367	1,367	
43.2%	0	1,313	1,313	
44.4%	0	1,308	1,308	
45.7%	0	1,302	1,302	
46.9%	0	1,299	1,299	
48.1%	0	1,293	1,293	
49.4%	0	1,279	1,279	
50.6%	0	1,276	1,276	
51.9%	0	1,271	1,271	
53.1%	0	1,259	1,259	
54.3%	0	1,251	1,251	
55.6%	0	1,247	1,247	
56.8%	0	1,240	1,240	
58.0%	0	1,233	1,233	
59.3%	0	1,196	1,196	
60.5%	0	1,170	1,170	
61.7%	0	1,152	1,152	
63.0%	0	1,144	1,144	
64.2%	0	1,126	1,126	
65.4%	0	1,119	1,119	
66.7%	0	1,108	1,108	
67.9%	0	1,106	1,106	
69.1%	0	1,083	1,083	
70.4%	0	1,071	1,071	
71.6%	0	992	992	
72.8%	0	970	970	
74.1%	0	968	968	
75.3%	0	933	933	
76.5%	0	890	890	
77.8%	0	824	824	
79.0%	0	816	816	
80.2%	0	782	782	
81.5%	0	732	732	
82.7%	0	686	686	
84.0%	0	419	419	
85.2%	0	357	357	
86.4%	0	318	318	
87.7%	0	261	261	
88.9%	0	240	240	
90.1%	0	223	223	
91.4%	0	190	190	
92.6%	0	185	185	
93.8%	0	173	173	
95.1%	0	147	147	
96.3%	0	112	112	
97.5%	0	102	102	
98.8%	0	89	89	
100.0%	0	88	88	

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,750	1,750	
3.7%	0	1,746	1,746	
4.9%	0	1,730	1,730	
6.2%	0	1,697	1,697	
7.4%	0	1,690	1,690	
8.6%	0	1,630	1,630	
9.9%	0	1,618	1,618	
11.1%	0	1,596	1,596	
12.3%	0	1,586	1,586	
13.6%	0	1,549	1,549	
14.8%	0	1,548	1,548	
16.0%	0	1,518	1,518	
17.3%	0	1,517	1,517	
18.5%	0	1,467	1,467	
19.8%	0	1,466	1,466	
21.0%	0	1,464	1,464	
22.2%	0	1,461	1,461	
23.5%	0	1,411	1,411	
24.7%	0	1,408	1,408	
25.9%	0	1,400	1,400	
27.2%	0	1,396	1,396	
28.4%	0	1,387	1,387	
29.6%	0	1,382	1,382	
30.9%	0	1,378	1,378	
32.1%	0	1,376	1,376	
33.3%	0	1,372	1,372	
34.6%	0	1,344	1,344	
35.8%	0	1,317	1,317	
37.0%	0	1,300	1,300	
38.3%	0	1,291	1,291	
39.5%	0	1,284	1,284	
40.7%	0	1,271	1,271	
42.0%	0	1,269	1,269	
43.2%	0	1,254	1,254	
44.4%	0	1,248	1,248	
45.7%	0	1,239	1,239	
46.9%	0	1,233	1,233	
48.1%	0	1,231	1,231	
49.4%	0	1,213	1,213	
50.6%	0	1,210	1,210	
51.9%	0	1,208	1,208	
53.1%	0	1,197	1,197	
54.3%	0	1,195	1,195	
55.6%	0	1,159	1,159	
56.8%	0	1,150	1,150	
58.0%	0	1,132	1,132	
59.3%	0	1,105	1,105	
60.5%	0	1,099	1,099	
61.7%	0	1,085	1,085	
63.0%	0	1,079	1,079	
64.2%	0	1,055	1,055	
65.4%	0	1,037	1,037	
66.7%	0	1,034	1,034	
67.9%	0	1,018	1,018	
69.1%	0	1,010	1,010	
70.4%	0	980	980	
71.6%	0	944	944	
72.8%	0	928	928	
74.1%	0	868	868	
75.3%	0	826	826	
76.5%	0	770	770	
77.8%	0	734	734	
79.0%	0	717	717	
80.2%	0	707	707	
81.5%	0	657	657	
82.7%	0	595	595	
84.0%	0	358	358	
85.2%	0	313	313	
86.4%	0	266	266	
87.7%	0	246	246	
88.9%	0	233	233	
90.1%	0	232	232	
91.4%	0	175	175	
92.6%	0	169	169	
93.8%	0	143	143	
95.1%	0	136	136	
96.3%	0	110	110	
97.5%	0	87	87	
98.8%	0	86	86	
100.0%	0	77	77	

Table OP-10-9a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	452	450	458	470	481	491	492	489	481	470	463	457
Difference	452	450	458	470	481	491	492	489	481	470	463	457
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	494	489	499	503	512	517	519	519	515	508	506	499
Difference	494	489	499	503	512	517	519	519	515	508	506	499
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	478	474	484	475	491	505	509	510	506	495	488	483
Difference	478	474	484	475	491	505	509	510	506	495	488	483
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	457	457	464	466	476	490	494	492	486	474	466	460
Difference	457	457	464	466	476	490	494	492	486	474	466	460
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	429	427	432	460	472	485	485	481	468	453	441	434
Difference	429	427	432	460	472	485	485	481	468	453	441	434
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	365	365	375	417	425	432	423	414	397	384	375	370
Difference	365	365	375	417	425	432	423	414	397	384	375	370
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

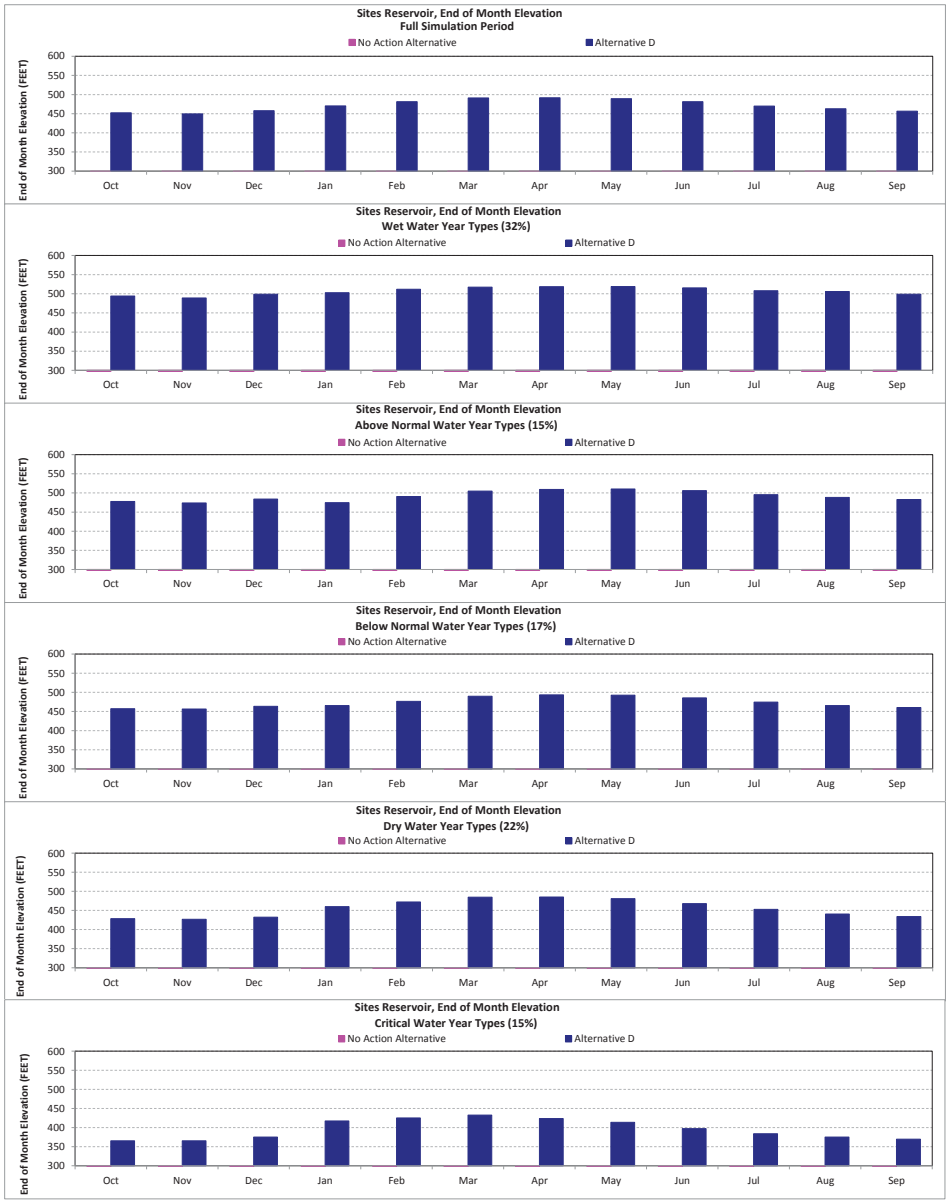

Figure OP-10-9b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

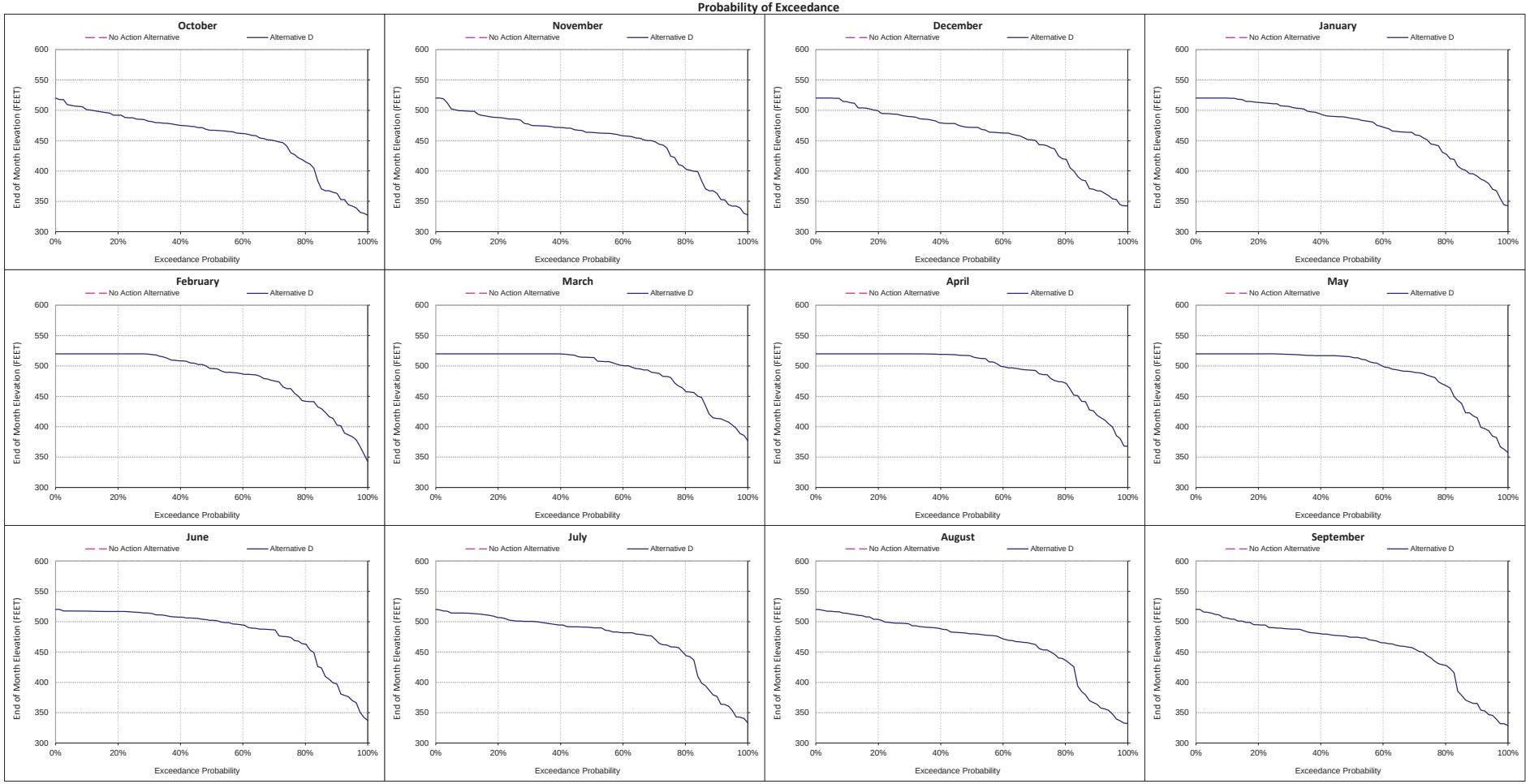

Table OP-10-9b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	518	518	
2.5%	0	518	518	
3.7%	0	510	510	
4.9%	0	508	508	
6.2%	0	507	507	
7.4%	0	507	507	
8.6%	0	506	506	
9.9%	0	501	501	
11.1%	0	501	501	
12.3%	0	499	499	
13.6%	0	498	498	
14.8%	0	497	497	
16.0%	0	496	496	
17.3%	0	495	495	
18.5%	0	492	492	
19.8%	0	492	492	
21.0%	0	492	492	
22.2%	0	488	488	
23.5%	0	488	488	
24.7%	0	488	488	
25.9%	0	485	485	
27.2%	0	485	485	
28.4%	0	485	485	
29.6%	0	482	482	
30.9%	0	481	481	
32.1%	0	480	480	
33.3%	0	479	479	
34.6%	0	479	479	
35.8%	0	478	478	
37.0%	0	478	478	
38.3%	0	477	477	
39.5%	0	475	475	
40.7%	0	475	475	
42.0%	0	474	474	
43.2%	0	473	473	
44.4%	0	473	473	
45.7%	0	471	471	
46.9%	0	471	471	
48.1%	0	469	469	
49.4%	0	467	467	
50.6%	0	467	467	
51.9%	0	467	467	
53.1%	0	466	466	
54.3%	0	466	466	
55.6%	0	465	465	
56.8%	0	465	465	
58.0%	0	463	463	
59.3%	0	462	462	
60.5%	0	462	462	
61.7%	0	460	460	
63.0%	0	459	459	
64.2%	0	458	458	
65.4%	0	454	454	
66.7%	0	453	453	
67.9%	0	451	451	
69.1%	0	451	451	
70.4%	0	450	450	
71.6%	0	448	448	
72.8%	0	447	447	
74.1%	0	441	441	
75.3%	0	430	430	
76.5%	0	427	427	
77.8%	0	422	422	
79.0%	0	419	419	
80.2%	0	415	415	
81.5%	0	411	411	
82.7%	0	405	405	
84.0%	0	384	384	
85.2%	0	370	370	
86.4%	0	368	368	
87.7%	0	367	367	
88.9%	0	365	365	
90.1%	0	363	363	
91.4%	0	353	353	
92.6%	0	353	353	
93.8%	0	344	344	
95.1%	0	342	342	
96.3%	0	339	339	
97.5%	0	332	332	
98.8%	0	330	330	
100.0%	0	327	327	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	519	519	
3.7%	0	512	512	
4.9%	0	502	502	
6.2%	0	501	501	
7.4%	0	499	499	
8.6%	0	499	499	
9.9%	0	499	499	
11.1%	0	498	498	
12.3%	0	498	498	
13.6%	0	493	493	
14.8%	0	492	492	
16.0%	0	491	491	
17.3%	0	489	489	
18.5%	0	489	489	
19.8%	0	488	488	
21.0%	0	488	488	
22.2%	0	487	487	
23.5%	0	486	486	
24.7%	0	485	485	
25.9%	0	485	485	
27.2%	0	484	484	
28.4%	0	478	478	
29.6%	0	478	478	
30.9%	0	475	475	
32.1%	0	475	475	
33.3%	0	474	474	
34.6%	0	474	474	
35.8%	0	474	474	
37.0%	0	473	473	
38.3%	0	472	472	
39.5%	0	472	472	
40.7%	0	471	471	
42.0%	0	471	471	
43.2%	0	471	471	
44.4%	0	468	468	
45.7%	0	467	467	
46.9%	0	467	467	
48.1%	0	464	464	
49.4%	0	464	464	
50.6%	0	463	463	
51.9%	0	463	463	
53.1%	0	462	462	
54.3%	0	462	462	
55.6%	0	462	462	
56.8%	0	461	461	
58.0%	0	460	460	
59.3%	0	459	459	
60.5%	0	458	458	
61.7%	0	458	458	
63.0%	0	457	457	
64.2%	0	454	454	
65.4%	0	454	454	
66.7%	0	451	451	
67.9%	0	450	450	
69.1%	0	450	450	
70.4%	0	448	448	
71.6%	0	444	444	
72.8%	0	443	443	
74.1%	0	438	438	
75.3%	0	424	424	
76.5%	0	422	422	
77.8%	0	410	410	
79.0%	0	408	408	
80.2%	0	403	403	
81.5%	0	401	401	
82.7%	0	400	400	
84.0%	0	399	399	
85.2%	0	384	384	
86.4%	0	370	370	
87.7%	0	368	368	
88.9%	0	367	367	
90.1%	0	363	363	
91.4%	0	353	353	
92.6%	0	353	353	
93.8%	0	344	344	
95.1%	0	342	342	
96.3%	0	342	342	
97.5%	0	339	339	
98.8%	0	330	330	
100.0%	0	327	327	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	515	515	
9.9%	0	514	514	
11.1%	0	513	513	
12.3%	0	512	512	
13.6%	0	504	504	
14.8%	0	504	504	
16.0%	0	504	504	
17.3%	0	502	502	
18.5%	0	501	501	
19.8%	0	500	500	
21.0%	0	495	495	
22.2%	0	495	495	
23.5%	0	495	495	
24.7%	0	494	494	
25.9%	0	494	494	
27.2%	0	492	492	
28.4%	0	491	491	
29.6%	0	490	490	
30.9%	0	490	490	
32.1%	0	488	488	
33.3%	0	486	486	
34.6%	0	485	485	
35.8%	0	485	485	
37.0%	0	484	484	
38.3%	0	482	482	
39.5%	0	479	479	
40.7%	0	479	479	
42.0%	0	478	478	
43.2%	0	478	478	
44.4%	0	478	478	
45.7%	0	475	475	
46.9%	0	474	474	
48.1%	0	472	472	
49.4%	0	472	472	
50.6%	0	472	472	
51.9%	0	472	472	
53.1%	0	468	468	
54.3%	0	467	467	
55.6%	0	464	464	
56.8%	0	464	464	
58.0%	0	463	463	
59.3%	0	463	463	
60.5%	0	463	463	
61.7%	0	462	462	
63.0%	0	460	460	
64.2%	0	459	459	
65.4%	0	458	458	
66.7%	0	455	455	
67.9%	0	452	452	
69.1%	0	451	451	
70.4%	0	450	450	
71.6%	0	443	443	
72.8%	0	443	443	
74.1%	0	441	441	
75.3%	0	439	439	
76.5%	0	436	436	
77.8%	0	425	425	
79.0%	0	420	420	
80.2%	0	419	419	
81.5%	0	405	405	
82.7%	0	400	400	
84.0%	0	391	391	
85.2%	0	385	385	
86.4%	0	384	384	
87.7%	0	371	371	
88.9%	0	370	370	
90.1%	0	367	367	
91.4%	0	367	367	
92.6%	0	363	363	
93.8%	0	359	359	
95.1%	0	354	354	
96.3%	0	353	353	
97.5%	0	344	344	
98.8%	0	343	343	
100.0%	0	343	343	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	518	518	
14.8%	0	518	518	
16.0%	0	515	515	
17.3%	0	515	515	
18.5%	0	514	514	
19.8%	0	513	513	
21.0%	0	513	513	
22.2%	0	512	512	
23.5%	0	512	512	
24.7%	0	511	511	
25.9%	0	511	511	
27.2%	0	507	507	
28.4%	0	507	507	
29.6%	0	507	507	
30.9%	0	505	505	
32.1%	0	504	504	
33.3%	0	503	503	
34.6%	0	502	502	
35.8%	0	498	498	
37.0%	0	498	498	
38.3%	0	497	497	
39.5%	0	494	494	
40.7%	0	492	492	
42.0%	0	491	491	
43.2%	0	490	490	
44.4%	0	490	490	
45.7%	0	490	490	
46.9%	0	489	489	
48.1%	0	489	489	
49.4%	0	487	487	
50.6%	0	486	486	
51.9%	0	486	486	
53.1%	0	483	483	
54.3%	0	482	482	
55.6%	0	482	482	
56.8%	0	480	480	
58.0%	0	475	475	
59.3%	0	474	474	
60.5%	0	471	471	
61.7%	0	470	470	
63.0%	0	466	466	
64.2%	0	465	465	
65.4%	0	465	465	
66.7%	0	464	464	
67.9%	0	464	464	
69.1%	0	464	464	
70.4%	0	460	460	
71.6%	0	459	459	
72.8%	0	455	455	
74.1%	0	451	451	
75.3%	0	444	444	
76.5%	0	443	443	
77.8%	0	441	441	
79.0%	0	431	431	
80.2%	0	428	428	
81.5%	0	420	420	
82.7%	0	419	419	
84.0%	0	408	408	
85.2%	0	403	403	
86.4%	0	401	401	
87.7%	0	396	396	
88.9%	0	395	395	
90.1%	0	391	391	
91.4%	0	386	386	
92.6%	0	384	384	
93.8%	0	379	379	
95.1%	0	370	370	
96.3%	0	367	367	
97.5%	0	355	355	
98.8%	0	344	344	
100.0%	0	343	343	

Table OP-10-9b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	519	519	
32.1%	0	518	518	
33.3%	0	516	516	
34.6%	0	515	515	
35.8%	0	513	513	
37.0%	0	510	510	
38.3%	0	509	509	
39.5%	0	509	509	
40.7%	0	508	508	
42.0%	0	507	507	
43.2%	0	505	505	
44.4%	0	504	504	
45.7%	0	502	502	
46.9%	0	502	502	
48.1%	0	500	500	
49.4%	0	496	496	
50.6%	0	495	495	
51.9%	0	495	495	
53.1%	0	492	492	
54.3%	0	490	490	
55.6%	0	490	490	
56.8%	0	489	489	
58.0%	0	489	489	
59.3%	0	487	487	
60.5%	0	486	486	
61.7%	0	486	486	
63.0%	0	486	486	
64.2%	0	485	485	
65.4%	0	483	483	
66.7%	0	479	479	
67.9%	0	479	479	
69.1%	0	476	476	
70.4%	0	475	475	
71.6%	0	474	474	
72.8%	0	465	465	
74.1%	0	463	463	
75.3%	0	463	463	
76.5%	0	455	455	
77.8%	0	450	450	
79.0%	0	443	443	
80.2%	0	442	442	
81.5%	0	441	441	
82.7%	0	441	441	
84.0%	0	433	433	
85.2%	0	430	430	
86.4%	0	424	424	
87.7%	0	416	416	
88.9%	0	413	413	
90.1%	0	403	403	
91.4%	0	402	402	
92.6%	0	389	389	
93.8%	0	386	386	
95.1%	0	383	383	
96.3%	0	378	378	
97.5%	0	367	367	
98.8%	0	355	355	
100.0%	0	343	343	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	520	520	
40.7%	0	520	520	
42.0%	0	519	519	
43.2%	0	518	518	
44.4%	0	518	518	
45.7%	0	515	515	
46.9%	0	514	514	
48.1%	0	514	514	
49.4%	0	514	514	
50.6%	0	514	514	
51.9%	0	508	508	
53.1%	0	507	507	
54.3%	0	507	507	
55.6%	0	507	507	
56.8%	0	505	505	
58.0%	0	503	503	
59.3%	0	501	501	
60.5%	0	500	500	
61.7%	0	500	500	
63.0%	0	498	498	
64.2%	0	496	496	
65.4%	0	495	495	
66.7%	0	493	493	
67.9%	0	493	493	
69.1%	0	489	489	
70.4%	0	489	489	
71.6%	0	487	487	
72.8%	0	483	483	
74.1%	0	483	483	
75.3%	0	481	481	
76.5%	0	472	472	
77.8%	0	467	467	
79.0%	0	464	464	
80.2%	0	458	458	
81.5%	0	457	457	
82.7%	0	456	456	
84.0%	0	450	450	
85.2%	0	448	448	
86.4%	0	435	435	
87.7%	0	421	421	
88.9%	0	415	415	
90.1%	0	413	413	
91.4%	0	413	413	
92.6%	0	410	410	
93.8%	0	407	407	
95.1%	0	403	403	
96.3%	0	397	397	
97.5%	0	389	389	
98.8%	0	385	385	
100.0%	0	377	377	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	519	519	
40.7%	0	519	519	
42.0%	0	519	519	
43.2%	0	519	519	
44.4%	0	519	519	
45.7%	0	518	518	
46.9%	0	518	518	
48.1%	0	517	517	
49.4%	0	517	517	
50.6%	0	515	515	
51.9%	0	513	513	
53.1%	0	512	512	
54.3%	0	512	512	
55.6%	0	507	507	
56.8%	0	507	507	
58.0%	0	504	504	
59.3%	0	499	499	
60.5%	0	498	498	
61.7%	0	497	497	
63.0%	0	497	497	
64.2%	0	496	496	
65.4%	0	495	495	
66.7%	0	494	494	
67.9%	0	494	494	
69.1%	0	493	493	
70.4%	0	492	492	
71.6%	0	487	487	
72.8%	0	486	486	
74.1%	0	486	486	
75.3%	0	479	479	
76.5%	0	476	476	
77.8%	0	474	474	
79.0%	0	474	474	
80.2%	0	471	471	
81.5%	0	462	462	
82.7%	0	452	452	
84.0%	0	451	451	
85.2%	0	442	442	
86.4%	0	441	441	
87.7%	0	427	427	
88.9%	0	426	426	
90.1%	0	419	419	
91.4%	0	415	415	
92.6%	0	411	411	
93.8%	0	405	405	
95.1%	0	399	399	
96.3%	0	385	385	
97.5%	0	381	381	
98.8%	0	368	368	
100.0%	0	368	368	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	519	519	
32.1%	0	519	519	
33.3%	0	518	518	
34.6%	0	518	518	
35.8%	0	518	518	
37.0%	0	517	517	
38.3%	0	517	517	
39.5%	0	517	517	
40.7%	0	517	517	
42.0%	0	517	517	
43.2%	0	517	517	
44.4%	0	517	517	
45.7%	0	516	516	
46.9%	0	516	516	
48.1%	0	516	516	
49.4%	0	515	515	
50.6%	0	514	514	
51.9%	0	513	513	
53.1%	0	511	511	
54.3%	0	510	510	
55.6%	0	507	507	
56.8%	0	505	505	
58.0%	0	504	504	
59.3%	0	501	501	
60.5%	0	498	498	
61.7%	0	497	497	
63.0%	0	495	495	
64.2%	0	494	494	
65.4%	0	492	492	
66.7%	0	491	491	
67.9%	0	491	491	
69.1%	0	490	490	
70.4%	0	489	489	
71.6%	0	489	489	
72.8%	0	487	487	
74.1%	0	485	485	
75.3%	0	483	483	
76.5%	0	481	481	
77.8%	0	474	474	
79.0%	0	470	470	
80.2%	0	467	467	
81.5%	0	464	464	
82.7%	0	450	450	
84.0%	0	444	444	
85.2%	0	438	438	
86.4%	0	423	423	
87.7%	0	423	423	
88.9%	0	418	418	
90.1%	0	415	415	
91.4%	0	399	399	
92.6%	0	397	397	
93.8%	0	393	393	
95.1%	0	384	384	
96.3%	0	382	382	
97.5%	0	367	367	
98.8%	0	363	363	
100.0%	0	357	357	

Table OP-10-9b

Sites Reservoir, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	517	517	
3.7%	0	517	517	
4.9%	0	517	517	
6.2%	0	517	517	
7.4%	0	517	517	
8.6%	0	517	517	
9.9%	0	517	517	
11.1%	0	517	517	
12.3%	0	517	517	
13.6%	0	517	517	
14.8%	0	517	517	
16.0%	0	517	517	
17.3%	0	517	517	
18.5%	0	517	517	
19.8%	0	517	517	
21.0%	0	517	517	
22.2%	0	517	517	
23.5%	0	516	516	
24.7%	0	516	516	
25.9%	0	515	515	
27.2%	0	515	515	
28.4%	0	514	514	
29.6%	0	514	514	
30.9%	0	513	513	
32.1%	0	511	511	
33.3%	0	511	511	
34.6%	0	511	511	
35.8%	0	509	509	
37.0%	0	508	508	
38.3%	0	508	508	
39.5%	0	507	507	
40.7%	0	507	507	
42.0%	0	506	506	
43.2%	0	506	506	
44.4%	0	506	506	
45.7%	0	505	505	
46.9%	0	504	504	
48.1%	0	504	504	
49.4%	0	502	502	
50.6%	0	502	502	
51.9%	0	501	501	
53.1%	0	499	499	
54.3%	0	498	498	
55.6%	0	498	498	
56.8%	0	496	496	
58.0%	0	496	496	
59.3%	0	495	495	
60.5%	0	494	494	
61.7%	0	490	490	
63.0%	0	489	489	
64.2%	0	489	489	
65.4%	0	488	488	
66.7%	0	488	488	
67.9%	0	487	487	
69.1%	0	487	487	
70.4%	0	486	486	
71.6%	0	477	477	
72.8%	0	476	476	
74.1%	0	475	475	
75.3%	0	474	474	
76.5%	0	469	469	
77.8%	0	468	468	
79.0%	0	464	464	
80.2%	0	463	463	
81.5%	0	454	454	
82.7%	0	449	449	
84.0%	0	426	426	
85.2%	0	424	424	
86.4%	0	410	410	
87.7%	0	405	405	
88.9%	0	399	399	
90.1%	0	397	397	
91.4%	0	381	381	
92.6%	0	378	378	
93.8%	0	376	376	
95.1%	0	370	370	
96.3%	0	367	367	
97.5%	0	351	351	
98.8%	0	342	342	
100.0%	0	338	338	

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	519	519	
2.5%	0	518	518	
3.7%	0	517	517	
4.9%	0	514	514	
6.2%	0	514	514	
7.4%	0	514	514	
8.6%	0	514	514	
9.9%	0	514	514	
11.1%	0	514	514	
12.3%	0	513	513	
13.6%	0	513	513	
14.8%	0	512	512	
16.0%	0	511	511	
17.3%	0	510	510	
18.5%	0	509	509	
19.8%	0	507	507	
21.0%	0	506	506	
22.2%	0	505	505	
23.5%	0	502	502	
24.7%	0	502	502	
25.9%	0	501	501	
27.2%	0	501	501	
28.4%	0	501	501	
29.6%	0	501	501	
30.9%	0	500	500	
32.1%	0	500	500	
33.3%	0	499	499	
34.6%	0	498	498	
35.8%	0	497	497	
37.0%	0	497	497	
38.3%	0	495	495	
39.5%	0	495	495	
40.7%	0	495	495	
42.0%	0	492	492	
43.2%	0	492	492	
44.4%	0	491	491	
45.7%	0	491	491	
46.9%	0	491	491	
48.1%	0	491	491	
49.4%	0	491	491	
50.6%	0	490	490	
51.9%	0	490	490	
53.1%	0	490	490	
54.3%	0	486	486	
55.6%	0	485	485	
56.8%	0	483	483	
58.0%	0	483	483	
59.3%	0	482	482	
60.5%	0	482	482	
61.7%	0	482	482	
63.0%	0	482	482	
64.2%	0	480	480	
65.4%	0	479	479	
66.7%	0	478	478	
67.9%	0	477	477	
69.1%	0	477	477	
70.4%	0	470	470	
71.6%	0	464	464	
72.8%	0	462	462	
74.1%	0	462	462	
75.3%	0	459	459	
76.5%	0	458	458	
77.8%	0	457	457	
79.0%	0	450	450	
80.2%	0	444	444	
81.5%	0	442	442	
82.7%	0	437	437	
84.0%	0	410	410	
85.2%	0	399	399	
86.4%	0	394	394	
87.7%	0	387	387	
88.9%	0	379	379	
90.1%	0	377	377	
91.4%	0	364	364	
92.6%	0	364	364	
93.8%	0	361	361	
95.1%	0	354	354	
96.3%	0	343	343	
97.5%	0	342	342	
98.8%	0	340	340	
100.0%	0	333	333	

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	519	519	
3.7%	0	517	517	
4.9%	0	517	517	
6.2%	0	516	516	
7.4%	0	516	516	
8.6%	0	514	514	
9.9%	0	514	514	
11.1%	0	512	512	
12.3%	0	511	511	
13.6%	0	510	510	
14.8%	0	510	510	
16.0%	0	508	508	
17.3%	0	508	508	
18.5%	0	504	504	
19.8%	0	504	504	
21.0%	0	502	502	
22.2%	0	499	499	
23.5%	0	499	499	
24.7%	0	498	498	
25.9%	0	498	498	
27.2%	0	498	498	
28.4%	0	497	497	
29.6%	0	497	497	
30.9%	0	493	493	
32.1%	0	493	493	
33.3%	0	492	492	
34.6%	0	491	491	
35.8%	0	491	491	
37.0%	0	490	490	
38.3%	0	490	490	
39.5%	0	489	489	
40.7%	0	487	487	
42.0%	0	487	487	
43.2%	0	483	483	
44.4%	0	482	482	
45.7%	0	482	482	
46.9%	0	482	482	
48.1%	0	481	481	
49.4%	0	480	480	
50.6%	0	480	480	
51.9%	0	479	479	
53.1%	0	479	479	
54.3%	0	478	478	
55.6%	0	477	477	
56.8%	0	477	477	
58.0%	0	476	476	
59.3%	0	473	473	
60.5%	0	471	471	
61.7%	0	469	469	
63.0%	0	469	469	
64.2%	0	467	467	
65.4%	0	467	467	
66.7%	0	466	466	
67.9%	0	466	466	
69.1%	0	464	464	
70.4%	0	463	463	
71.6%	0	456	456	
72.8%	0	453	453	
74.1%	0	453	453	
75.3%	0	450	450	
76.5%	0	446	446	
77.8%	0	440	440	
79.0%	0	439	439	
80.2%	0	436	436	
81.5%	0	430	430	
82.7%	0	426	426	
84.0%	0	394	394	
85.2%	0	385	385	
86.4%	0	380	380	
87.7%	0	370	370	
88.9%	0	366	366	
90.1%	0	364	364	
91.4%	0	358	358	
92.6%	0	356	356	
93.8%	0	354	354	
95.1%	0	348	348	
96.3%	0	340	340	
97.5%	0	337	337	
98.8%	0	333	333	
100.0%	0	332	332	

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	516	516	
3.7%	0	516	516	
4.9%	0	514	514	
6.2%	0	512	512	
7.4%	0	511	511	
8.6%	0	507	507	
9.9%	0	506	506	
11.1%	0	505	505	
12.3%	0	504	504	
13.6%	0	501	501	
14.8%	0	501	501	
16.0%	0	499	499	
17.3%	0	499	499	
18.5%	0	495	495	
19.8%	0	495	495	
21.0%	0	495	495	
22.2%	0	494	494	
23.5%	0	490	490	
24.7%	0	490	490	
25.9%	0	490	490	
27.2%	0	489	489	
28.4%	0	489	489	
29.6%	0	488	488	
30.9%	0	488	488	
32.1%	0	488	488	
33.3%	0	487	487	
34.6%	0	485	485	
35.8%	0	483	483	
37.0%	0	482	482	
38.3%	0	481	481	
39.5%	0	481	481	
40.7%	0	479	479	
42.0%	0	479	479	
43.2%	0	478	478	
44.4%	0	478	478	
45.7%	0	477	477	
46.9%	0	476	476	
48.1%	0	476	476	
49.4%	0	475	475	
50.6%	0	474	474	
51.9%	0	474	474	
53.1%	0	473	473	
54.3%	0	473	473	
55.6%	0	470	470	
56.8%	0	469	469	
58.0%	0	468	468	
59.3%	0	465	465	
60.5%	0	465	465	
61.7%	0	464	464	
63.0%	0	463	463	
64.2%	0	461	461	
65.4%	0	460	460	
66.7%	0	459	459	
67.9%	0	458	458	
69.1%	0	457	457	
70.4%	0	454	454	
71.6%	0	451	451	
72.8%	0	450	450	
74.1%	0	444	444	
75.3%	0	440	440	
76.5%	0	434	434	
77.8%	0	431	431	
79.0%	0	429	429	
80.2%	0	428	428	
81.5%	0	423	423	
82.7%	0	416	416	
84.0%	0	385	385	
85.2%	0	379	379	
86.4%	0	371	371	
87.7%	0	368	368	
88.9%	0	365	365	
90.1%	0	365	365	
91.4%	0	354	354	
92.6%	0	353	353	
93.8%	0	347	347	
95.1%	0	345	345	
96.3%	0	339	339	
97.5%	0	332	332	
98.8%	0	332	332	
100.0%	0	329	329	

Table OP-11-9a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	10,667	10,532	10,976	11,620	12,185	12,697	12,717	12,586	12,159	11,595	11,223	10,909
Difference	10,667	10,532	10,976	11,620	12,185	12,697	12,717	12,586	12,159	11,595	11,223	10,909
Percent Difference[3]												
Water Year Types[2]												
Wet (32%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	12,962	12,731	13,175	13,329	13,751	14,010	14,065	14,078	13,928	13,595	13,497	13,185
Difference	12,962	12,731	13,175	13,329	13,751	14,010	14,065	14,078	13,928	13,595	13,497	13,185
Percent Difference												
Above Normal (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	12,195	11,984	12,479	11,871	12,709	13,416	13,637	13,694	13,503	13,030	12,712	12,442
Difference	12,195	11,984	12,479	11,871	12,709	13,416	13,637	13,694	13,503	13,030	12,712	12,442
Percent Difference												
Below Normal (17%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	11,101	11,065	11,410	11,429	12,002	12,705	12,904	12,851	12,533	11,975	11,527	11,252
Difference	11,101	11,065	11,410	11,429	12,002	12,705	12,904	12,851	12,533	11,975	11,527	11,252
Percent Difference												
Dry (22%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	9,458	9,350	9,678	11,113	11,774	12,380	12,438	12,226	11,543	10,767	10,132	9,771
Difference	9,458	9,350	9,678	11,113	11,774	12,380	12,438	12,226	11,543	10,767	10,132	9,771
Percent Difference												
Critical (15%)												
No Action Alternative	0	0	0	0	0	0	0	0	0	0	0	0
Alternative D	5,470	5,470	6,148	8,646	9,094	9,602	9,076	8,476	7,471	6,625	6,088	5,750
Difference	5,470	5,470	6,148	8,646	9,094	9,602	9,076	8,476	7,471	6,625	6,088	5,750
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure OP-11-9b
Sites Reservoir, End of Month Area
Probability of Exceedance

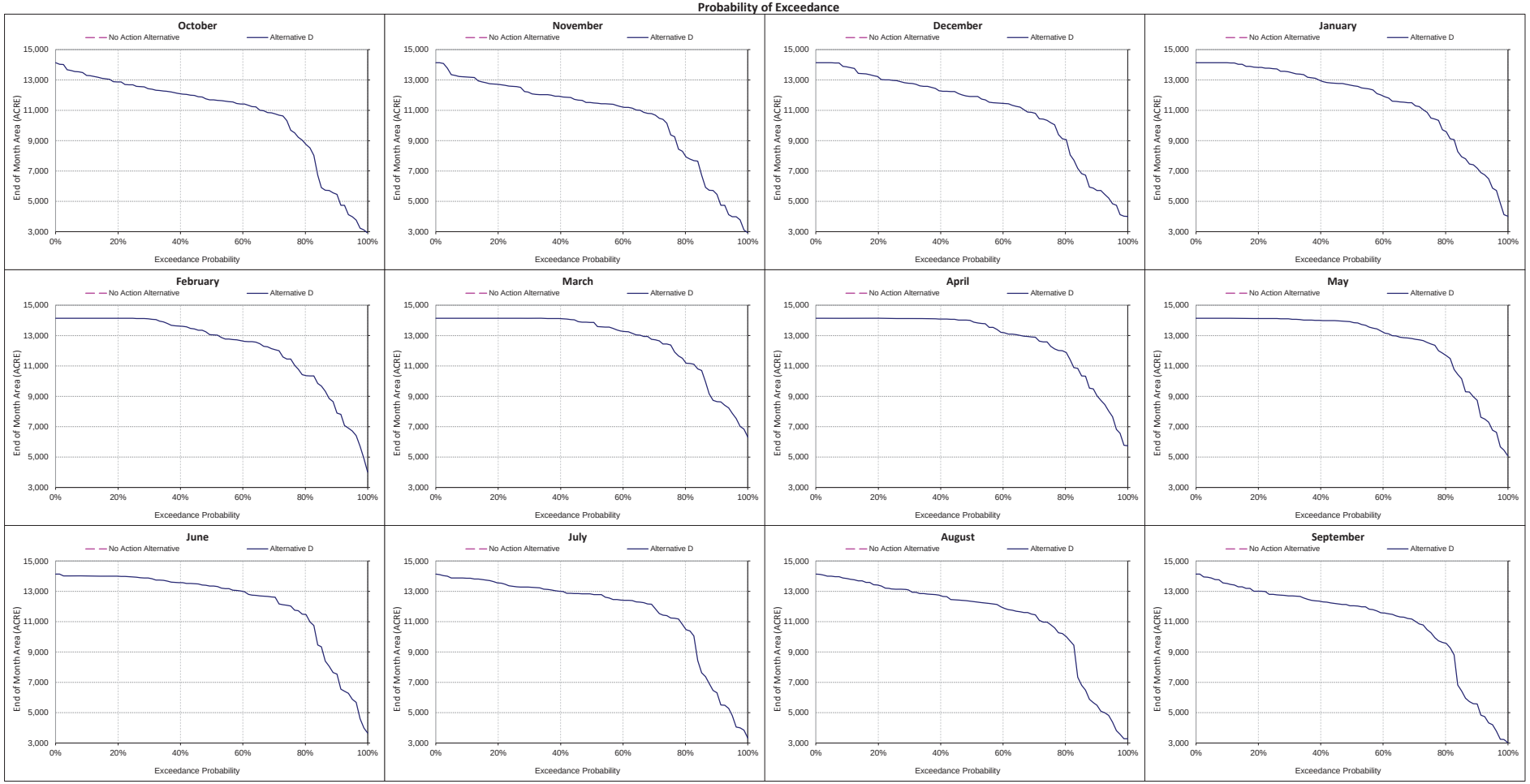

Table OP-11-9b
Sites Reservoir, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,030	14,030	
2.5%	0	14,024	14,024	
3.7%	0	13,669	13,669	
4.9%	0	13,620	13,620	
6.2%	0	13,553	13,553	
7.4%	0	13,545	13,545	
8.6%	0	13,493	13,493	
9.9%	0	13,294	13,294	
11.1%	0	13,277	13,277	
12.3%	0	13,227	13,227	
13.6%	0	13,179	13,179	
14.8%	0	13,117	13,117	
16.0%	0	13,070	13,070	
17.3%	0	13,036	13,036	
18.5%	0	12,890	12,890	
19.8%	0	12,876	12,876	
21.0%	0	12,874	12,874	
22.2%	0	12,700	12,700	
23.5%	0	12,688	12,688	
24.7%	0	12,680	12,680	
25.9%	0	12,579	12,579	
27.2%	0	12,563	12,563	
28.4%	0	12,548	12,548	
29.6%	0	12,425	12,425	
30.9%	0	12,385	12,385	
32.1%	0	12,315	12,315	
33.3%	0	12,298	12,298	
34.6%	0	12,268	12,268	
35.8%	0	12,232	12,232	
37.0%	0	12,215	12,215	
38.3%	0	12,157	12,157	
39.5%	0	12,097	12,097	
40.7%	0	12,066	12,066	
42.0%	0	12,047	12,047	
43.2%	0	11,993	11,993	
44.4%	0	11,980	11,980	
45.7%	0	11,888	11,888	
46.9%	0	11,885	11,885	
48.1%	0	11,763	11,763	
49.4%	0	11,683	11,683	
50.6%	0	11,683	11,683	
51.9%	0	11,662	11,662	
53.1%	0	11,638	11,638	
54.3%	0	11,607	11,607	
55.6%	0	11,568	11,568	
56.8%	0	11,557	11,557	
58.0%	0	11,450	11,450	
59.3%	0	11,421	11,421	
60.5%	0	11,408	11,408	
61.7%	0	11,332	11,332	
63.0%	0	11,247	11,247	
64.2%	0	11,225	11,225	
65.4%	0	11,013	11,013	
66.7%	0	10,973	10,973	
67.9%	0	10,857	10,857	
69.1%	0	10,835	10,835	
70.4%	0	10,767	10,767	
71.6%	0	10,677	10,677	
72.8%	0	10,624	10,624	
74.1%	0	10,322	10,322	
75.3%	0	9,687	9,687	
76.5%	0	9,511	9,511	
77.8%	0	9,225	9,225	
79.0%	0	9,039	9,039	
80.2%	0	8,740	8,740	
81.5%	0	8,518	8,518	
82.7%	0	8,022	8,022	
84.0%	0	6,724	6,724	
85.2%	0	5,902	5,902	
86.4%	0	5,737	5,737	
87.7%	0	5,718	5,718	
88.9%	0	5,556	5,556	
90.1%	0	5,465	5,465	
91.4%	0	4,739	4,739	
92.6%	0	4,734	4,734	
93.8%	0	4,123	4,123	
95.1%	0	3,977	3,977	
96.3%	0	3,764	3,764	
97.5%	0	3,236	3,236	
98.8%	0	3,106	3,106	
100.0%	0	2,909	2,909	

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,092	14,092	
3.7%	0	13,783	13,783	
4.9%	0	13,349	13,349	
6.2%	0	13,298	13,298	
7.4%	0	13,227	13,227	
8.6%	0	13,218	13,218	
9.9%	0	13,200	13,200	
11.1%	0	13,174	13,174	
12.3%	0	13,169	13,169	
13.6%	0	12,942	12,942	
14.8%	0	12,869	12,869	
16.0%	0	12,826	12,826	
17.3%	0	12,757	12,757	
18.5%	0	12,727	12,727	
19.8%	0	12,711	12,711	
21.0%	0	12,682	12,682	
22.2%	0	12,653	12,653	
23.5%	0	12,593	12,593	
24.7%	0	12,577	12,577	
25.9%	0	12,557	12,557	
27.2%	0	12,511	12,511	
28.4%	0	12,236	12,236	
29.6%	0	12,207	12,207	
30.9%	0	12,077	12,077	
32.1%	0	12,057	12,057	
33.3%	0	12,038	12,038	
34.6%	0	12,030	12,030	
35.8%	0	12,025	12,025	
37.0%	0	11,991	11,991	
38.3%	0	11,927	11,927	
39.5%	0	11,922	11,922	
40.7%	0	11,887	11,887	
42.0%	0	11,860	11,860	
43.2%	0	11,850	11,850	
44.4%	0	11,725	11,725	
45.7%	0	11,672	11,672	
46.9%	0	11,648	11,648	
48.1%	0	11,517	11,517	
49.4%	0	11,513	11,513	
50.6%	0	11,480	11,480	
51.9%	0	11,460	11,460	
53.1%	0	11,441	11,441	
54.3%	0	11,430	11,430	
55.6%	0	11,418	11,418	
56.8%	0	11,391	11,391	
58.0%	0	11,311	11,311	
59.3%	0	11,248	11,248	
60.5%	0	11,197	11,197	
61.7%	0	11,188	11,188	
63.0%	0	11,135	11,135	
64.2%	0	11,024	11,024	
65.4%	0	11,000	11,000	
66.7%	0	10,868	10,868	
67.9%	0	10,801	10,801	
69.1%	0	10,787	10,787	
70.4%	0	10,687	10,687	
71.6%	0	10,477	10,477	
72.8%	0	10,410	10,410	
74.1%	0	10,157	10,157	
75.3%	0	9,374	9,374	
76.5%	0	9,258	9,258	
77.8%	0	8,445	8,445	
79.0%	0	8,304	8,304	
80.2%	0	7,920	7,920	
81.5%	0	7,783	7,783	
82.7%	0	7,684	7,684	
84.0%	0	7,657	7,657	
85.2%	0	6,724	6,724	
86.4%	0	5,914	5,914	
87.7%	0	5,737	5,737	
88.9%	0	5,718	5,718	
90.1%	0	5,465	5,465	
91.4%	0	4,737	4,737	
92.6%	0	4,732	4,732	
93.8%	0	4,121	4,121	
95.1%	0	3,990	3,990	
96.3%	0	3,982	3,982	
97.5%	0	3,781	3,781	
98.8%	0	3,120	3,120	
100.0%	0	2,923	2,923	

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,134	14,134	
6.2%	0	14,129	14,129	
7.4%	0	14,127	14,127	
8.6%	0	13,905	13,905	
9.9%	0	13,872	13,872	
11.1%	0	13,810	13,810	
12.3%	0	13,769	13,769	
13.6%	0	13,435	13,435	
14.8%	0	13,427	13,427	
16.0%	0	13,407	13,407	
17.3%	0	13,354	13,354	
18.5%	0	13,277	13,277	
19.8%	0	13,237	13,237	
21.0%	0	13,023	13,023	
22.2%	0	13,006	13,006	
23.5%	0	13,004	13,004	
24.7%	0	12,969	12,969	
25.9%	0	12,952	12,952	
27.2%	0	12,881	12,881	
28.4%	0	12,820	12,820	
29.6%	0	12,788	12,788	
30.9%	0	12,772	12,772	
32.1%	0	12,714	12,714	
33.3%	0	12,611	12,611	
34.6%	0	12,575	12,575	
35.8%	0	12,574	12,574	
37.0%	0	12,505	12,505	
38.3%	0	12,438	12,438	
39.5%	0	12,296	12,296	
40.7%	0	12,256	12,256	
42.0%	0	12,250	12,250	
43.2%	0	12,237	12,237	
44.4%	0	12,231	12,231	
45.7%	0	12,097	12,097	
46.9%	0	12,007	12,007	
48.1%	0	11,942	11,942	
49.4%	0	11,921	11,921	
50.6%	0	11,908	11,908	
51.9%	0	11,907	11,907	
53.1%	0	11,743	11,743	
54.3%	0	11,692	11,692	
55.6%	0	11,533	11,533	
56.8%	0	11,500	11,500	
58.0%	0	11,480	11,480	
59.3%	0	11,460	11,460	
60.5%	0	11,449	11,449	
61.7%	0	11,437	11,437	
63.0%	0	11,326	11,326	
64.2%	0	11,267	11,267	
65.4%	0	11,210	11,210	
66.7%	0	11,046	11,046	
67.9%	0	10,889	10,889	
69.1%	0	10,864	10,864	
70.4%	0	10,808	10,808	
71.6%	0	10,442	10,442	
72.8%	0	10,430	10,430	
74.1%	0	10,340	10,340	
75.3%	0	10,181	10,181	
76.5%	0	10,052	10,052	
77.8%	0	9,396	9,396	
79.0%	0	9,129	9,129	
80.2%	0	9,076	9,076	
81.5%	0	8,062	8,062	
82.7%	0	7,710	7,710	
84.0%	0	7,178	7,178	
85.2%	0	6,823	6,823	
86.4%	0	6,724	6,724	
87.7%	0	5,939	5,939	
88.9%	0	5,876	5,876	
90.1%	0	5,718	5,718	
91.4%	0	5,710	5,710	
92.6%	0	5,465	5,465	
93.8%	0	5,220	5,220	
95.1%	0	4,843	4,843	
96.3%	0	4,737	4,737	
97.5%	0	4,121	4,121	
98.8%	0	4,016	4,016	
100.0%	0	4,008	4,008	

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,134	14,134	
11.1%	0	14,129	14,129	
12.3%	0	14,127	14,127	
13.6%	0	14,042	14,042	
14.8%	0	14,033	14,033	
16.0%	0	13,905	13,905	
17.3%	0	13,897	13,897	
18.5%	0	13,854	13,854	
19.8%	0	13,828	13,828	
21.0%	0	13,824	13,824	
22.2%	0	13,771	13,771	
23.5%	0	13,771	13,771	
24.7%	0	13,736	13,736	
25.9%	0	13,721	13,721	
27.2%	0	13,575	13,575	
28.4%	0	13,566	13,566	
29.6%	0	13,547	13,547	
30.9%	0	13,470	13,470	
32.1%	0	13,407	13,407	
33.3%	0	13,384	13,384	
34.6%	0	13,354	13,354	
35.8%	0	13,173	13,173	
37.0%	0	13,141	13,141	
38.3%	0	13,104	13,104	
39.5%	0	12,991	12,991	
40.7%	0	12,892	12,892	
42.0%	0	12,830	12,830	
43.2%	0	12,810	12,810	
44.4%	0	12,786	12,786	
45.7%	0	12,772	12,772	
46.9%	0	12,765	12,765	
48.1%	0	12,723	12,723	
49.4%	0	12,658	12,658	
50.6%	0	12,611	12,611	
51.9%	0	12,586	12,586	
53.1%	0	12,484	12,484	
54.3%	0	12,438	12,438	
55.6%	0	12,411	12,411	
56.8%	0	12,345	12,345	
58.0%	0	12,097	12,097	
59.3%	0	12,007	12,007	
60.5%	0	11,887	11,887	
61.7%	0	11,804	11,804	
63.0%	0	11,605	11,605	
64.2%	0	11,595	11,595	
65.4%	0	11,555	11,555	
66.7%	0	11,533	11,533	
67.9%	0	11,500	11,500	
69.1%	0	11,497	11,497	
70.4%	0	11,294	11,294	
71.6%	0	11,253	11,253	
72.8%	0	11,046	11,046	
74.1%	0	10,864	10,864	
75.3%	0	10,498	10,498	
76.5%	0	10,423	10,423	
77.8%	0	10,340	10,340	
79.0%	0	9,729	9,729	
80.2%	0	9,575	9,575	
81.5%	0	9,129	9,129	
82.7%	0	9,076	9,076	
84.0%	0	8,275	8,275	
85.2%	0	7,944	7,944	
86.4%	0	7,795	7,795	
87.7%	0	7,454	7,454	
88.9%	0	7,414	7,414	
90.1%	0	7,189	7,189	
91.4%	0	6,899	6,899	
92.6%	0	6,736	6,736	
93.8%	0	6,481	6,481	
95.1%	0	5,876	5,876	
96.3%	0	5,718	5,718	
97.5%	0	4,880	4,880	
98.8%	0	4,121	4,121	
100.0%	0	4,016	4,016	

Table OP-11-9b
Sites Reservoir, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,134	14,134	
27.2%	0	14,129	14,129	
28.4%	0	14,127	14,127	
29.6%	0	14,108	14,108	
30.9%	0	14,078	14,078	
32.1%	0	14,062	14,062	
33.3%	0	13,961	13,961	
34.6%	0	13,902	13,902	
35.8%	0	13,801	13,801	
37.0%	0	13,684	13,684	
38.3%	0	13,653	13,653	
39.5%	0	13,629	13,629	
40.7%	0	13,613	13,613	
42.0%	0	13,580	13,580	
43.2%	0	13,476	13,476	
44.4%	0	13,447	13,447	
45.7%	0	13,359	13,359	
46.9%	0	13,354	13,354	
48.1%	0	13,256	13,256	
49.4%	0	13,057	13,057	
50.6%	0	13,040	13,040	
51.9%	0	13,028	13,028	
53.1%	0	12,873	12,873	
54.3%	0	12,772	12,772	
55.6%	0	12,768	12,768	
56.8%	0	12,749	12,749	
58.0%	0	12,723	12,723	
59.3%	0	12,665	12,665	
60.5%	0	12,620	12,620	
61.7%	0	12,611	12,611	
63.0%	0	12,601	12,601	
64.2%	0	12,563	12,563	
65.4%	0	12,472	12,472	
66.7%	0	12,297	12,297	
67.9%	0	12,256	12,256	
69.1%	0	12,143	12,143	
70.4%	0	12,074	12,074	
71.6%	0	12,003	12,003	
72.8%	0	11,595	11,595	
74.1%	0	11,459	11,459	
75.3%	0	11,451	11,451	
76.5%	0	11,052	11,052	
77.8%	0	10,793	10,793	
79.0%	0	10,430	10,430	
80.2%	0	10,354	10,354	
81.5%	0	10,338	10,338	
82.7%	0	10,336	10,336	
84.0%	0	9,856	9,856	
85.2%	0	9,678	9,678	
86.4%	0	9,334	9,334	
87.7%	0	8,856	8,856	
88.9%	0	8,652	8,652	
90.1%	0	7,897	7,897	
91.4%	0	7,811	7,811	
92.6%	0	7,067	7,067	
93.8%	0	6,899	6,899	
95.1%	0	6,718	6,718	
96.3%	0	6,405	6,405	
97.5%	0	5,710	5,710	
98.8%	0	4,880	4,880	
100.0%	0	4,016	4,016	

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,136	14,136	
35.8%	0	14,135	14,135	
37.0%	0	14,134	14,134	
38.3%	0	14,129	14,129	
39.5%	0	14,127	14,127	
40.7%	0	14,116	14,116	
42.0%	0	14,088	14,088	
43.2%	0	14,056	14,056	
44.4%	0	14,034	14,034	
45.7%	0	13,914	13,914	
46.9%	0	13,884	13,884	
48.1%	0	13,883	13,883	
49.4%	0	13,871	13,871	
50.6%	0	13,864	13,864	
51.9%	0	13,604	13,604	
53.1%	0	13,578	13,578	
54.3%	0	13,565	13,565	
55.6%	0	13,563	13,563	
56.8%	0	13,478	13,478	
58.0%	0	13,374	13,374	
59.3%	0	13,307	13,307	
60.5%	0	13,266	13,266	
61.7%	0	13,261	13,261	
63.0%	0	13,151	13,151	
64.2%	0	13,052	13,052	
65.4%	0	13,035	13,035	
66.7%	0	12,950	12,950	
67.9%	0	12,942	12,942	
69.1%	0	12,764	12,764	
70.4%	0	12,724	12,724	
71.6%	0	12,661	12,661	
72.8%	0	12,448	12,448	
74.1%	0	12,446	12,446	
75.3%	0	12,383	12,383	
76.5%	0	11,916	11,916	
77.8%	0	11,662	11,662	
79.0%	0	11,508	11,508	
80.2%	0	11,189	11,189	
81.5%	0	11,172	11,172	
82.7%	0	11,119	11,119	
84.0%	0	10,799	10,799	
85.2%	0	10,697	10,697	
86.4%	0	9,951	9,951	
87.7%	0	9,163	9,163	
88.9%	0	8,740	8,740	
90.1%	0	8,648	8,648	
91.4%	0	8,637	8,637	
92.6%	0	8,402	8,402	
93.8%	0	8,231	8,231	
95.1%	0	7,884	7,884	
96.3%	0	7,538	7,538	
97.5%	0	7,027	7,027	
98.8%	0	6,836	6,836	
100.0%	0	6,306	6,306	

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,133	14,133	
27.2%	0	14,130	14,130	
28.4%	0	14,130	14,130	
29.6%	0	14,129	14,129	
30.9%	0	14,127	14,127	
32.1%	0	14,127	14,127	
33.3%	0	14,126	14,126	
34.6%	0	14,120	14,120	
35.8%	0	14,116	14,116	
37.0%	0	14,115	14,115	
38.3%	0	14,115	14,115	
39.5%	0	14,098	14,098	
40.7%	0	14,096	14,096	
42.0%	0	14,086	14,086	
43.2%	0	14,077	14,077	
44.4%	0	14,067	14,067	
45.7%	0	14,026	14,026	
46.9%	0	14,025	14,025	
48.1%	0	14,019	14,019	
49.4%	0	14,003	14,003	
50.6%	0	13,888	13,888	
51.9%	0	13,828	13,828	
53.1%	0	13,799	13,799	
54.3%	0	13,792	13,792	
55.6%	0	13,546	13,546	
56.8%	0	13,538	13,538	
58.0%	0	13,408	13,408	
59.3%	0	13,219	13,219	
60.5%	0	13,182	13,182	
61.7%	0	13,099	13,099	
63.0%	0	13,097	13,097	
64.2%	0	13,057	13,057	
65.4%	0	13,016	13,016	
66.7%	0	12,965	12,965	
67.9%	0	12,951	12,951	
69.1%	0	12,918	12,918	
70.4%	0	12,902	12,902	
71.6%	0	12,644	12,644	
72.8%	0	12,591	12,591	
74.1%	0	12,587	12,587	
75.3%	0	12,301	12,301	
76.5%	0	12,127	12,127	
77.8%	0	12,025	12,025	
79.0%	0	12,001	12,001	
80.2%	0	11,890	11,890	
81.5%	0	11,405	11,405	
82.7%	0	10,895	10,895	
84.0%	0	10,838	10,838	
85.2%	0	10,342	10,342	
86.4%	0	10,325	10,325	
87.7%	0	9,545	9,545	
88.9%	0	9,488	9,488	
90.1%	0	9,047	9,047	
91.4%	0	8,741	8,741	
92.6%	0	8,464	8,464	
93.8%	0	8,041	8,041	
95.1%	0	7,653	7,653	
96.3%	0	6,823	6,823	
97.5%	0	6,553	6,553	
98.8%	0	5,767	5,767	
100.0%	0	5,733	5,733	

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,125	14,125	
16.0%	0	14,120	14,120	
17.3%	0	14,120	14,120	
18.5%	0	14,120	14,120	
19.8%	0	14,120	14,120	
21.0%	0	14,120	14,120	
22.2%	0	14,120	14,120	
23.5%	0	14,120	14,120	
24.7%	0	14,120	14,120	
25.9%	0	14,120	14,120	
27.2%	0	14,115	14,115	
28.4%	0	14,111	14,111	
29.6%	0	14,109	14,109	
30.9%	0	14,081	14,081	
32.1%	0	14,067	14,067	
33.3%	0	14,055	14,055	
34.6%	0	14,031	14,031	
35.8%	0	14,022	14,022	
37.0%	0	14,017	14,017	
38.3%	0	14,004	14,004	
39.5%	0	14,000	14,000	
40.7%	0	13,996	13,996	
42.0%	0	13,992	13,992	
43.2%	0	13,990	13,990	
44.4%	0	13,988	13,988	
45.7%	0	13,971	13,971	
46.9%	0	13,955	13,955	
48.1%	0	13,937	13,937	
49.4%	0	13,920	13,920	
50.6%	0	13,847	13,847	
51.9%	0	13,841	13,841	
53.1%	0	13,729	13,729	
54.3%	0	13,689	13,689	
55.6%	0	13,561	13,561	
56.8%	0	13,492	13,492	
58.0%	0	13,445	13,445	
59.3%	0	13,298	13,298	
60.5%	0	13,160	13,160	
61.7%	0	13,116	13,116	
63.0%	0	13,002	13,002	
64.2%	0	12,973	12,973	
65.4%	0	12,899	12,899	
66.7%	0	12,855	12,855	
67.9%	0	12,852	12,852	
69.1%	0	12,811	12,811	
70.4%	0	12,750	12,750	
71.6%	0	12,727	12,727	
72.8%	0	12,664	12,664	
74.1%	0	12,555	12,555	
75.3%	0	12,456	12,456	
76.5%	0	12,368	12,368	
77.8%	0	12,002	12,002	
79.0%	0	11,847	11,847	
80.2%	0	11,687	11,687	
81.5%	0	11,499	11,499	
82.7%	0	10,771	10,771	
84.0%	0	10,453	10,453	
85.2%	0	10,161	10,161	
86.4%	0	9,294	9,294	
87.7%	0	9,290	9,290	
88.9%	0	8,970	8,970	
90.1%	0	8,736	8,736	
91.4%	0	7,629	7,629	
92.6%	0	7,504	7,504	
93.8%	0	7,302	7,302	
95.1%	0	6,760	6,760	
96.3%	0	6,637	6,637	
97.5%	0	5,674	5,674	
98.8%	0	5,451	5,451	
100.0%	0	5,065	5,065	

Table OP-11-9b
Sites Reservoir, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,135	14,135	
2.5%	0	14,020	14,020	
3.7%	0	14,019	14,019	
4.9%	0	14,019	14,019	
6.2%	0	14,019	14,019	
7.4%	0	14,019	14,019	
8.6%	0	14,012	14,012	
9.9%	0	14,012	14,012	
11.1%	0	14,012	14,012	
12.3%	0	14,000	14,000	
13.6%	0	14,000	14,000	
14.8%	0	13,999	13,999	
16.0%	0	13,995	13,995	
17.3%	0	13,995	13,995	
18.5%	0	13,994	13,994	
19.8%	0	13,994	13,994	
21.0%	0	13,985	13,985	
22.2%	0	13,983	13,983	
23.5%	0	13,964	13,964	
24.7%	0	13,946	13,946	
25.9%	0	13,925	13,925	
27.2%	0	13,905	13,905	
28.4%	0	13,879	13,879	
29.6%	0	13,874	13,874	
30.9%	0	13,836	13,836	
32.1%	0	13,741	13,741	
33.3%	0	13,734	13,734	
34.6%	0	13,730	13,730	
35.8%	0	13,667	13,667	
37.0%	0	13,610	13,610	
38.3%	0	13,585	13,585	
39.5%	0	13,572	13,572	
40.7%	0	13,566	13,566	
42.0%	0	13,522	13,522	
43.2%	0	13,512	13,512	
44.4%	0	13,501	13,501	
45.7%	0	13,481	13,481	
46.9%	0	13,421	13,421	
48.1%	0	13,407	13,407	
49.4%	0	13,355	13,355	
50.6%	0	13,349	13,349	
51.9%	0	13,316	13,316	
53.1%	0	13,214	13,214	
54.3%	0	13,177	13,177	
55.6%	0	13,176	13,176	
56.8%	0	13,067	13,067	
58.0%	0	13,052	13,052	
59.3%	0	13,016	13,016	
60.5%	0	12,968	12,968	
61.7%	0	12,808	12,808	
63.0%	0	12,754	12,754	
64.2%	0	12,733	12,733	
65.4%	0	12,690	12,690	
66.7%	0	12,686	12,686	
67.9%	0	12,660	12,660	
69.1%	0	12,637	12,637	
70.4%	0	12,612	12,612	
71.6%	0	12,159	12,159	
72.8%	0	12,108	12,108	
74.1%	0	12,089	12,089	
75.3%	0	12,024	12,024	
76.5%	0	11,754	11,754	
77.8%	0	11,719	11,719	
79.0%	0	11,498	11,498	
80.2%	0	11,471	11,471	
81.5%	0	10,978	10,978	
82.7%	0	10,745	10,745	
84.0%	0	9,463	9,463	
85.2%	0	9,342	9,342	
86.4%	0	8,408	8,408	
87.7%	0	8,056	8,056	
88.9%	0	7,653	7,653	
90.1%	0	7,550	7,550	
91.4%	0	6,548	6,548	
92.6%	0	6,415	6,415	
93.8%	0	6,278	6,278	
95.1%	0	5,886	5,886	
96.3%	0	5,674	5,674	
97.5%	0	4,594	4,594	
98.8%	0	3,976	3,976	
100.0%	0	3,651	3,651	

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,104	14,104	
2.5%	0	14,033	14,033	
3.7%	0	14,003	14,003	
4.9%	0	13,884	13,884	
6.2%	0	13,884	13,884	
7.4%	0	13,878	13,878	
8.6%	0	13,878	13,878	
9.9%	0	13,870	13,870	
11.1%	0	13,860	13,860	
12.3%	0	13,819	13,819	
13.6%	0	13,813	13,813	
14.8%	0	13,780	13,780	
16.0%	0	13,745	13,745	
17.3%	0	13,704	13,704	
18.5%	0	13,646	13,646	
19.8%	0	13,559	13,559	
21.0%	0	13,529	13,529	
22.2%	0	13,474	13,474	
23.5%	0	13,359	13,359	
24.7%	0	13,336	13,336	
25.9%	0	13,296	13,296	
27.2%	0	13,287	13,287	
28.4%	0	13,282	13,282	
29.6%	0	13,279	13,279	
30.9%	0	13,264	13,264	
32.1%	0	13,248	13,248	
33.3%	0	13,224	13,224	
34.6%	0	13,148	13,148	
35.8%	0	13,122	13,122	
37.0%	0	13,097	13,097	
38.3%	0	13,035	13,035	
39.5%	0	13,002	13,002	
40.7%	0	12,997	12,997	
42.0%	0	12,868	12,868	
43.2%	0	12,867	12,867	
44.4%	0	12,857	12,857	
45.7%	0	12,852	12,852	
46.9%	0	12,842	12,842	
48.1%	0	12,834	12,834	
49.4%	0	12,828	12,828	
50.6%	0	12,787	12,787	
51.9%	0	12,780	12,780	
53.1%	0	12,779	12,779	
54.3%	0	12,610	12,610	
55.6%	0	12,554	12,554	
56.8%	0	12,464	12,464	
58.0%	0	12,464	12,464	
59.3%	0	12,427	12,427	
60.5%	0	12,406	12,406	
61.7%	0	12,399	12,399	
63.0%	0	12,396	12,396	
64.2%	0	12,311	12,311	
65.4%	0	12,287	12,287	
66.7%	0	12,248	12,248	
67.9%	0	12,167	12,167	
69.1%	0	12,156	12,156	
70.4%	0	11,844	11,844	
71.6%	0	11,535	11,535	
72.8%	0	11,426	11,426	
74.1%	0	11,398	11,398	
75.3%	0	11,247	11,247	
76.5%	0	11,224	11,224	
77.8%	0	11,173	11,173	
79.0%	0	10,811	10,811	
80.2%	0	10,476	10,476	
81.5%	0	10,382	10,382	
82.7%	0	10,067	10,067	
84.0%	0	8,439	8,439	
85.2%	0	7,630	7,630	
86.4%	0	7,369	7,369	
87.7%	0	6,923	6,923	
88.9%	0	6,461	6,461	
90.1%	0	6,303	6,303	
91.4%	0	5,512	5,512	
92.6%	0	5,488	5,488	
93.8%	0	5,291	5,291	
95.1%	0	4,798	4,798	
96.3%	0	4,051	4,051	
97.5%	0	4,001	4,001	
98.8%	0	3,850	3,850	
100.0%	0	3,319	3,319	

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,119	14,119	
2.5%	0	14,068	14,068	
3.7%	0	14,008	14,008	
4.9%	0	14,005	14,005	
6.2%	0	13,974	13,974	
7.4%	0	13,964	13,964	
8.6%	0	13,873	13,873	
9.9%	0	13,852	13,852	
11.1%	0	13,798	13,798	
12.3%	0	13,754	13,754	
13.6%	0	13,699	13,699	
14.8%	0	13,683	13,683	
16.0%	0	13,590	13,590	
17.3%	0	13,585	13,585	
18.5%	0	13,430	13,430	
19.8%	0	13,415	13,415	
21.0%	0	13,341	13,341	
22.2%	0	13,211	13,211	
23.5%	0	13,201	13,201	
24.7%	0	13,147	13,147	
25.9%	0	13,141	13,141	
27.2%	0	13,138	13,138	
28.4%	0	13,124	13,124	
29.6%	0	13,092	13,092	
30.9%	0	12,943	12,943	
32.1%	0	12,940	12,940	
33.3%	0	12,858	12,858	
34.6%	0	12,850	12,850	
35.8%	0	12,814	12,814	
37.0%	0	12,792	12,792	
38.3%	0	12,787	12,787	
39.5%	0	12,747	12,747	
40.7%	0	12,663	12,663	
42.0%	0	12,650	12,650	
43.2%	0	12,456	12,456	
44.4%	0	12,437	12,437	
45.7%	0	12,418	12,418	
46.9%	0	12,404	12,404	
48.1%	0	12,383	12,383	
49.4%	0	12,333	12,333	
50.6%	0	12,321	12,321	
51.9%	0	12,299	12,299	
53.1%	0	12,252	12,252	
54.3%	0	12,216	12,216	
55.6%	0	12,199	12,199	
56.8%	0	12,169	12,169	
58.0%	0	12,139	12,139	
59.3%	0	11,980	11,980	
60.5%	0	11,869	11,869	
61.7%	0	11,793	11,793	
63.0%	0	11,759	11,759	
64.2%	0	11,683	11,683	
65.4%	0	11,651	11,651	
66.7%	0	11,604	11,604	
67.9%	0	11,598	11,598	
69.1%	0	11,499	11,499	
70.4%	0	11,448	11,448	
71.6%	0	11,082	11,082	
72.8%	0	10,975	10,975	
74.1%	0	10,967	10,967	
75.3%	0	10,797	10,797	
76.5%	0	10,585	10,585	
77.8%	0	10,262	10,262	
79.0%	0	10,213	10,213	
80.2%	0	10,015	10,015	
81.5%	0	9,719	9,719	
82.7%	0	9,443	9,443	
84.0%	0	7,341	7,341	
85.2%	0	6,814	6,814	
86.4%	0	6,485	6,485	
87.7%	0	5,891	5,891	
88.9%	0	5,665	5,665	
90.1%	0	5,496	5,496	
91.4%	0	5,093	5,093	
92.6%	0	5,000	5,000	
93.8%	0	4,814	4,814	
95.1%	0	4,381	4,381	
96.3%	0	3,808	3,808	
97.5%	0	3,575	3,575	
98.8%	0	3,286	3,286	
100.0%	0	3,274	3,274	

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	13,947	13,947	
3.7%	0	13,934	13,934	
4.9%	0	13,881	13,881	
6.2%	0	13,776	13,776	
7.4%	0	13,752	13,752	
8.6%	0	13,561	13,561	
9.9%	0	13,521	13,521	
11.1%	0	13,451	13,451	
12.3%	0	13,419	13,419	
13.6%	0	13,299	13,299	
14.8%	0	13,297	13,297	
16.0%	0	13,195	13,195	
17.3%	0	13,191	13,191	
18.5%	0	13,010	13,010	
19.8%	0	13,009	13,009	
21.0%	0	13,001	13,001	
22.2%	0	12,991	12,991	
23.5%	0	12,808	12,808	
24.7%	0	12,800	12,800	
25.9%	0	12,769	12,769	
27.2%	0	12,756	12,756	
28.4%	0	12,724	12,724	
29.6%	0	12,706	12,706	
30.9%	0	12,690	12,690	
32.1%	0	12,684	12,684	
33.3%	0	12,670	12,670	
34.6%	0	12,568	12,568	
35.8%	0	12,470	12,470	
37.0%	0	12,409	12,409	
38.3%	0	12,375	12,375	
39.5%	0	12,352	12,352	
40.7%	0	12,299	12,299	
42.0%	0	12,292	12,292	
43.2%	0	12,228	12,228	
44.4%	0	12,201	12,201	
45.7%	0	12,163	12,163	
46.9%	0	12,140	12,140	
48.1%	0	12,132	12,132	
49.4%	0	12,053	12,053	
50.6%	0	12,039	12,039	
51.9%	0	12,032	12,032	
53.1%	0	11,986	11,986	
54.3%	0	11,978	11,978	
55.6%	0	11,825	11,825	
56.8%	0	11,784	11,784	
58.0%	0	11,709	11,709	
59.3%	0	11,592	11,592	
60.5%	0	11,567	11,567	
61.7%	0	11,510	11,510	
63.0%	0	11,483	11,483	
64.2%	0	11,379	11,379	
65.4%	0	11,303	11,303	
66.7%	0	11,289	11,289	
67.9%	0	11,208	11,208	
69.1%	0	11,168	11,168	
70.4%	0	11,023	11,023	
71.6%	0	10,845	10,845	
72.8%	0	10,772	10,772	
74.1%	0	10,479	10,479	
75.3%	0	10,271	10,271	
76.5%	0	9,945	9,945	
77.8%	0	9,732	9,732	
79.0%	0	9,629	9,629	
80.2%	0	9,570	9,570	
81.5%	0	9,275	9,275	
82.7%	0	8,816	8,816	
84.0%	0	6,827	6,827	
85.2%	0	6,428	6,428	
86.4%	0	5,944	5,944	
87.7%	0	5,737	5,737	
88.9%	0	5,598	5,598	
90.1%	0	5,583	5,583	
91.4%	0	4,835	4,835	
92.6%	0	4,742	4,742	
93.8%	0	4,329	4,329	
95.1%	0	4,213	4,213	
96.3%	0	3,772	3,772	
97.5%	0	3,243	3,243	
98.8%	0	3,224	3,224	
100.0%	0	3,016	3,016	

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Trinity and Sacramento River Basin Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table SW-01-3a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative A	1,351	1,362	1,412	1,471	1,579	1,698	1,847	1,843	1,806	1,671	1,536	1,417
Difference	46	47	45	40	38	33	32	32	32	35	41	43
Percent Difference[3]	3.5%	3.6%	3.3%	2.8%	2.5%	2.0%	1.8%	1.8%	1.8%	2.2%	2.8%	3.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative A	1,751	1,762	1,776	1,770	1,928	2,061	2,237	2,271	2,248	2,121	2,000	1,854
Difference	16	18	15	21	17	10	8	7	7	7	6	9
Percent Difference	0.9%	1.0%	0.9%	1.2%	0.9%	0.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.5%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative A	1,587	1,585	1,617	1,579	1,729	1,898	2,067	2,071	2,043	1,911	1,775	1,643
Difference	52	55	60	61	62	61	60	59	59	51	53	59
Percent Difference	3.4%	3.6%	3.8%	4.0%	3.7%	3.3%	3.0%	2.9%	3.0%	2.7%	3.1%	3.7%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative A	1,266	1,299	1,376	1,372	1,445	1,540	1,715	1,699	1,651	1,525	1,395	1,291
Difference	44	46	38	47	45	44	42	42	42	46	51	50
Percent Difference	3.6%	3.6%	2.8%	3.6%	3.3%	2.9%	2.5%	2.5%	2.6%	3.1%	3.8%	4.0%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative A	1,127	1,138	1,246	1,373	1,451	1,572	1,706	1,661	1,600	1,442	1,292	1,185
Difference	59	60	60	40	38	29	26	30	29	30	49	52
Percent Difference	5.5%	5.6%	5.0%	3.0%	2.7%	1.9%	1.6%	1.9%	1.9%	2.2%	3.9%	4.6%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative A	683	683	711	978	1,019	1,088	1,150	1,127	1,101	968	823	737
Difference	87	87	82	53	52	49	52	51	52	75	82	79
Percent Difference	14.7%	14.6%	13.0%	5.8%	5.4%	4.7%	4.7%	4.8%	4.9%	8.4%	11.1%	12.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-01-3b
Trinity Lake, End of Month Storage
Probability of Exceedance

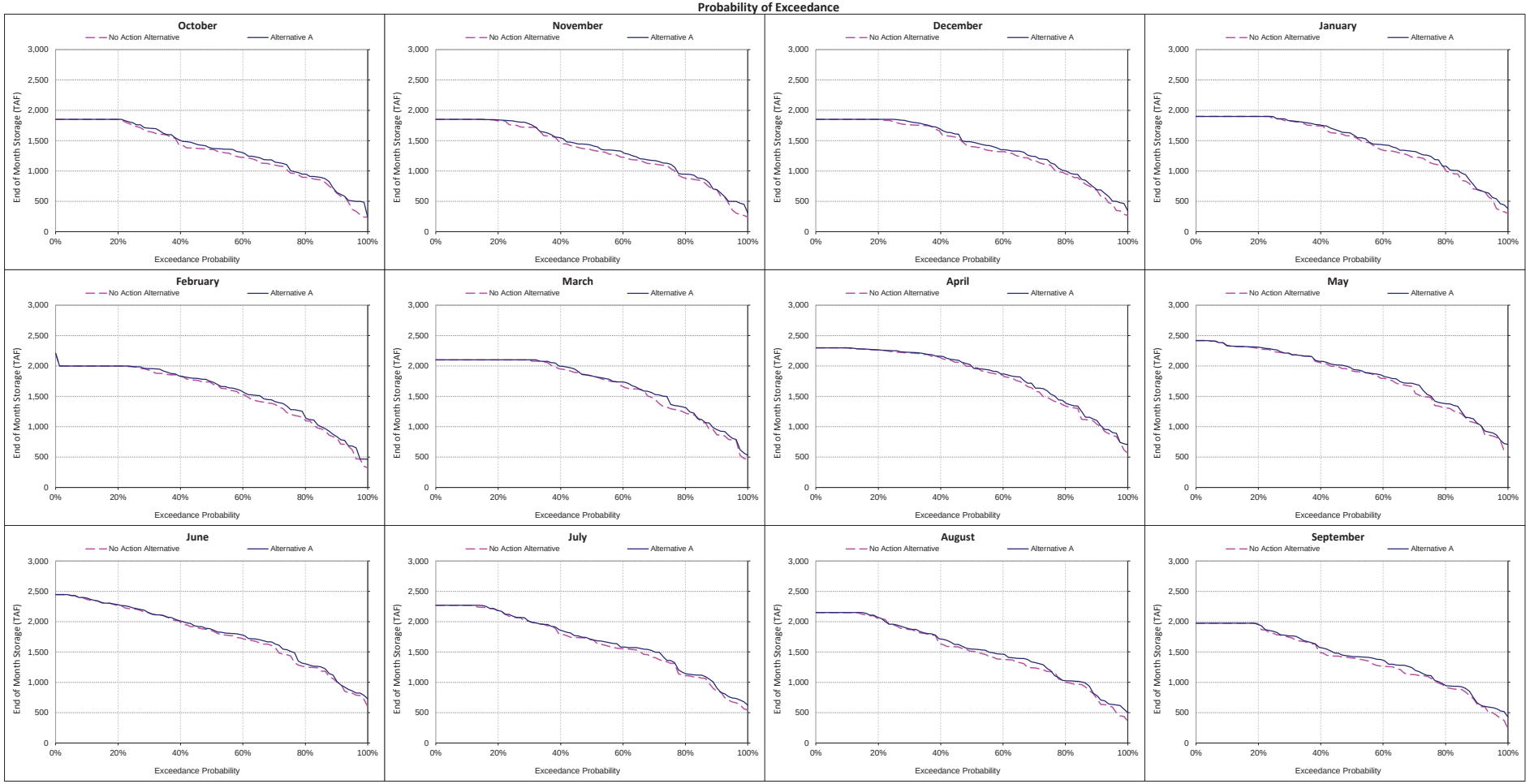

Table SW-01-3b
Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,830	23	1.3%
23.5%	1,781	1,807	26	1.5%
24.7%	1,755	1,798	43	2.4%
25.9%	1,732	1,763	31	1.8%
27.2%	1,714	1,763	48	2.8%
28.4%	1,672	1,713	40	2.4%
29.6%	1,652	1,706	54	3.3%
30.9%	1,642	1,703	61	3.7%
32.1%	1,619	1,699	80	5.0%
33.3%	1,605	1,663	59	3.6%
34.6%	1,603	1,619	16	1.0%
35.8%	1,592	1,599	7	0.4%
37.0%	1,548	1,598	50	3.2%
38.3%	1,544	1,548	3	0.2%
39.5%	1,433	1,513	80	5.5%
40.7%	1,424	1,486	62	4.4%
42.0%	1,382	1,485	103	7.4%
43.2%	1,379	1,475	96	6.9%
44.4%	1,377	1,455	79	5.7%
45.7%	1,370	1,433	62	4.6%
46.9%	1,367	1,424	58	4.2%
48.1%	1,362	1,416	54	4.0%
49.4%	1,356	1,387	30	2.2%
50.6%	1,355	1,370	15	1.1%
51.9%	1,323	1,369	46	3.5%
53.1%	1,315	1,365	50	3.8%
54.3%	1,299	1,359	60	4.6%
55.6%	1,294	1,359	65	5.0%
56.8%	1,257	1,354	97	7.7%
58.0%	1,239	1,321	82	6.6%
59.3%	1,225	1,312	87	7.1%
60.5%	1,224	1,291	67	5.5%
61.7%	1,214	1,245	31	2.6%
63.0%	1,201	1,244	43	3.5%
64.2%	1,179	1,230	51	4.4%
65.4%	1,134	1,217	83	7.3%
66.7%	1,126	1,189	63	5.6%
67.9%	1,124	1,186	61	5.5%
69.1%	1,102	1,185	82	7.4%
70.4%	1,098	1,144	47	4.3%
71.6%	1,082	1,139	57	5.3%
72.8%	1,075	1,122	47	4.4%
74.1%	1,018	1,104	86	8.4%
75.3%	965	1,006	41	4.3%
76.5%	959	988	29	3.0%
77.8%	936	974	38	4.1%
79.0%	896	950	54	6.0%
80.2%	895	949	54	6.0%
81.5%	885	911	26	2.9%
82.7%	869	911	42	4.8%
84.0%	858	901	43	5.1%
85.2%	855	894	39	4.5%
86.4%	807	870	63	7.8%
87.7%	751	823	72	9.6%
88.9%	700	720	20	2.8%
90.1%	633	644	11	1.7%
91.4%	583	615	32	5.5%
92.6%	580	583	3	0.5%
93.8%	483	516	34	7.0%
95.1%	367	507	140	38.3%
96.3%	334	500	166	49.7%
97.5%	281	500	219	78.0%
98.8%	240	485	245	101.9%
100.0%	240	240	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,845	1,846	1	0.1%
17.3%	1,843	1,845	2	0.1%
18.5%	1,840	1,845	5	0.3%
19.8%	1,828	1,843	16	0.9%
21.0%	1,828	1,840	12	0.7%
22.2%	1,825	1,833	8	0.4%
23.5%	1,765	1,829	64	3.6%
24.7%	1,754	1,826	72	4.1%
25.9%	1,753	1,814	61	3.5%
27.2%	1,727	1,805	78	4.5%
28.4%	1,722	1,803	81	4.7%
29.6%	1,722	1,784	62	3.6%
30.9%	1,720	1,757	37	2.2%
32.1%	1,719	1,719	-1	0.0%
33.3%	1,655	1,655	0	0.0%
34.6%	1,583	1,644	60	3.8%
35.8%	1,577	1,627	50	3.2%
37.0%	1,572	1,600	28	1.8%
38.3%	1,553	1,561	8	0.5%
39.5%	1,482	1,553	70	4.7%
40.7%	1,449	1,534	86	5.9%
42.0%	1,444	1,481	36	2.5%
43.2%	1,418	1,475	57	4.0%
44.4%	1,408	1,462	53	3.8%
45.7%	1,386	1,446	60	4.3%
46.9%	1,371	1,446	74	5.4%
48.1%	1,360	1,440	79	5.8%
49.4%	1,358	1,433	75	5.5%
50.6%	1,337	1,411	74	5.5%
51.9%	1,328	1,398	70	5.3%
53.1%	1,317	1,354	36	2.8%
54.3%	1,309	1,348	39	3.0%
55.6%	1,278	1,346	68	5.3%
56.8%	1,275	1,343	68	5.3%
58.0%	1,261	1,336	74	5.9%
59.3%	1,231	1,330	99	8.0%
60.5%	1,223	1,289	66	5.4%
61.7%	1,200	1,277	77	6.4%
63.0%	1,187	1,251	65	5.4%
64.2%	1,181	1,233	52	4.4%
65.4%	1,179	1,199	20	1.7%
66.7%	1,147	1,196	49	4.3%
67.9%	1,124	1,183	59	5.2%
69.1%	1,120	1,175	55	4.9%
70.4%	1,112	1,172	59	5.3%
71.6%	1,102	1,153	51	4.6%
72.8%	1,093	1,133	40	3.6%
74.1%	1,093	1,129	37	3.4%
75.3%	1,041	1,113	72	6.9%
76.5%	1,003	1,066	63	6.3%
77.8%	931	959	28	3.0%
79.0%	897	949	52	5.8%
80.2%	875	948	72	8.3%
81.5%	875	945	70	7.9%
82.7%	862	932	70	8.2%
84.0%	852	884	32	3.8%
85.2%	843	878	36	4.2%
86.4%	793	856	63	7.9%
87.7%	735	807	72	9.8%
88.9%	710	703	-7	-1.0%
90.1%	689	692	3	0.4%
91.4%	578	635	57	10.0%
92.6%	571	578	6	1.1%
93.8%	468	500	32	6.9%
95.1%	355	500	145	41.0%
96.3%	305	500	195	63.9%
97.5%	284	470	186	65.7%
98.8%	267	453	186	69.7%
100.0%	240	305	65	27.1%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,850	16	0.8%
24.7%	1,817	1,850	33	1.8%
25.9%	1,794	1,847	53	3.0%
27.2%	1,779	1,840	61	3.5%
28.4%	1,768	1,835	68	3.8%
29.6%	1,763	1,818	55	3.1%
30.9%	1,759	1,804	46	2.6%
32.1%	1,755	1,794	39	2.2%
33.3%	1,754	1,788	34	1.9%
34.6%	1,750	1,770	21	1.2%
35.8%	1,748	1,759	10	0.6%
37.0%	1,740	1,732	-8	-0.4%
38.3%	1,685	1,727	42	2.5%
39.5%	1,669	1,700	32	1.9%
40.7%	1,581	1,662	81	5.1%
42.0%	1,579	1,636	56	3.6%
43.2%	1,571	1,632	60	3.8%
44.4%	1,561	1,612	50	3.2%
45.7%	1,537	1,606	69	4.5%
46.9%	1,483	1,498	15	1.0%
48.1%	1,429	1,485	56	3.9%
49.4%	1,405	1,483	79	5.6%
50.6%	1,400	1,472	72	5.2%
51.9%	1,388	1,453	65	4.7%
53.1%	1,386	1,442	56	4.0%
54.3%	1,351	1,424	73	5.4%
55.6%	1,338	1,419	81	6.0%
56.8%	1,332	1,402	70	5.3%
58.0%	1,320	1,379	58	4.4%
59.3%	1,319	1,351	32	2.4%
60.5%	1,319	1,349	30	2.3%
61.7%	1,296	1,344	49	3.7%
63.0%	1,288	1,328	40	3.1%
64.2%	1,254	1,328	75	5.9%
65.4%	1,236	1,326	90	7.3%
66.7%	1,220	1,306	86	7.1%
67.9%	1,216	1,261	45	3.7%
69.1%	1,176	1,245	69	5.9%
70.4%	1,170	1,238	68	5.8%
71.6%	1,137	1,199	62	5.4%
72.8%	1,117	1,196	79	7.1%
74.1%	1,109	1,186	77	7.0%
75.3%	1,092	1,132	40	3.7%
76.5%	1,012	1,109	97	9.6%
77.8%	985	1,045	60	6.1%
79.0%	980	1,011	31	3.2%
80.2%	949	1,000	51	5.4%
81.5%	938	963	25	2.6%
82.7%	892	948	56	6.3%
84.0%	892	944	52	5.9%
85.2%	827	863	36	4.3%
86.4%	783	846	63	8.0%
87.7%	751	792	41	5.4%
88.9%	720	739	19	2.6%
90.1%	679	691	11	1.7%
91.4%	581	687	107	18.3%
92.6%	566	630	64	11.3%
93.8%	478	581	103	21.6%
95.1%	458	503	45	9.8%
96.3%	350	500	150	42.8%
97.5%	342	477	136	39.7%
98.8%	287	465	179	62.3%
100.0%	264	342	78	29.4%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,900	31	1.7%
25.9%	1,861	1,861	0	0.0%
27.2%	1,857	1,860	3	0.2%
28.4%	1,830	1,859	29	1.6%
29.6%	1,825	1,829	4	0.2%
30.9%	1,820	1,827	7	0.4%
32.1%	1,808	1,822	14	0.8%
33.3%	1,808	1,808	1	0.1%
34.6%	1,784	1,801	17	0.9%
35.8%	1,754	1,794	40	2.3%
37.0%	1,751	1,785	33	1.9%
38.3%	1,745	1,768	23	1.3%
39.5%	1,742	1,760	18	1.0%
40.7%	1,739	1,751	12	0.7%
42.0%	1,663	1,742	79	4.8%
43.2%	1,630	1,706	76	4.7%
44.4%	1,625	1,684	59	3.6%
45.7%	1,620	1,663	43	2.6%
46.9%	1,606	1,638	32	2.0%
48.1%	1,581	1,635	54	3.4%
49.4%	1,578	1,627	49	3.1%
50.6%	1,567	1,589	23	1.4%
51.9%	1,531	1,549	18	1.2%
53.1%	1,492	1,547	55	3.7%
54.3%	1,472	1,530	58	3.9%
55.6%	1,468	1,475	6	0.4%
56.8%	1,423	1,446	23	1.6%
58.0%	1,381	1,440	59	4.2%
59.3%	1,354	1,435	81	6.0%
60.5%	1,337	1,426	90	6.7%
61.7%	1,332	1,423	91	6.8%
63.0%	1,328	1,397	69	5.2%
64.2%	1,313	1,379	67	5.1%
65.4%	1,294	1,343	48	3.7%
66.7%	1,284	1,341	56	4.4%
67.9%	1,263	1,335	72	5.7%
69.1%	1,231	1,325	94	7.6%
70.4%	1,228	1,322	94	7.7%
71.6%	1,224	1,291	67	5.4%
72.8%	1,209	1,264	55	4.6%
74.1%	1,163	1,262	99	8.5%
75.3%	1,131	1,238	108	9.5%
76.5%	1,113	1,187	75	6.7%
77.8%	1,098	1,185	87	8.0%
79.0%	1,090	1,079	-11	-1.0%
80.2%	996	1,076	80	8.0%
81.5%	973	1,016	43	4.4%
82.7%	954	1,007	52	5.5%
84.0%	950	1,006	56	5.9%
85.2%	843	964	121	14.4%
86.4%	833	941	108	13.0%
87.7%	792	855	63	7.9%
88.9%	704	776	72	10.2%
90.1%	694	694	0	0.0%
91.4%	671	679	8	1.1%
92.6%	654	653	-1	-0.1%
93.8%	571	635	64	11.2%
95.1%	528	561	33	6.2%
96.3%	383	540	157	41.1%
97.5%	347	462	115	33.1%
98.8%	327	444	117	35.9%
100.0%	300	383	83	27.8%

Table SW-01-3b

Trinity Lake, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,208	2,208	0	0.0%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	1,991	2,000	9	0.5%
24.7%	1,988	1,991	3	0.2%
25.9%	1,985	1,988	3	0.1%
27.2%	1,957	1,985	28	1.4%
28.4%	1,955	1,959	4	0.2%
29.6%	1,935	1,957	22	1.1%
30.9%	1,914	1,956	42	2.2%
32.1%	1,880	1,950	70	3.7%
33.3%	1,876	1,948	72	3.8%
34.6%	1,875	1,919	44	2.4%
35.8%	1,859	1,896	37	2.0%
37.0%	1,853	1,875	22	1.2%
38.3%	1,853	1,871	18	1.0%
39.5%	1,837	1,835	-2	-0.1%
40.7%	1,828	1,824	-3	-0.2%
42.0%	1,784	1,815	30	1.7%
43.2%	1,778	1,800	22	1.2%
44.4%	1,766	1,796	30	1.7%
45.7%	1,761	1,794	33	1.9%
46.9%	1,739	1,781	42	2.4%
48.1%	1,737	1,780	42	2.4%
49.4%	1,737	1,752	15	0.9%
50.6%	1,694	1,727	34	2.0%
51.9%	1,685	1,694	8	0.5%
53.1%	1,630	1,661	31	1.9%
54.3%	1,628	1,661	32	2.0%
55.6%	1,601	1,637	37	2.3%
56.8%	1,592	1,634	42	2.6%
58.0%	1,580	1,618	37	2.4%
59.3%	1,524	1,597	73	4.8%
60.5%	1,523	1,557	33	2.2%
61.7%	1,482	1,530	48	3.2%
63.0%	1,439	1,524	86	5.9%
64.2%	1,428	1,517	89	6.2%
65.4%	1,413	1,511	98	6.9%
66.7%	1,404	1,459	55	3.9%
67.9%	1,390	1,445	55	3.9%
69.1%	1,385	1,442	58	4.2%
70.4%	1,364	1,411	47	3.5%
71.6%	1,322	1,395	72	5.5%
72.8%	1,298	1,381	83	6.4%
74.1%	1,233	1,339	106	8.6%
75.3%	1,202	1,278	76	6.3%
76.5%	1,185	1,278	93	7.8%
77.8%	1,172	1,269	97	8.3%
79.0%	1,155	1,254	99	8.6%
80.2%	1,095	1,136	41	3.7%
81.5%	1,094	1,115	21	1.9%
82.7%	1,021	1,109	87	8.6%
84.0%	977	1,029	52	5.3%
85.2%	965	998	33	3.4%
86.4%	924	969	44	4.8%
87.7%	861	924	63	7.3%
88.9%	834	874	40	4.8%
90.1%	812	834	22	2.8%
91.4%	710	782	71	10.0%
92.6%	710	774	64	9.1%
93.8%	675	683	8	1.1%
95.1%	619	682	63	10.2%
96.3%	469	651	183	38.9%
97.5%	466	466	0	0.0%
98.8%	349	466	118	33.8%
100.0%	322	464	142	44.2%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,100	2,100	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,100	2,100	0	0.0%
29.6%	2,100	2,100	0	0.0%
30.9%	2,079	2,100	21	1.0%
32.1%	2,078	2,100	22	1.1%
33.3%	2,076	2,079	2	0.1%
34.6%	2,069	2,076	7	0.3%
35.8%	2,054	2,074	20	1.0%
37.0%	2,008	2,054	46	2.3%
38.3%	1,983	2,051	67	3.4%
39.5%	1,955	2,000	45	2.3%
40.7%	1,946	1,995	49	2.5%
42.0%	1,933	1,983	50	2.6%
43.2%	1,915	1,967	52	2.7%
44.4%	1,893	1,951	58	3.1%
45.7%	1,892	1,907	15	0.8%
46.9%	1,867	1,858	-9	-0.5%
48.1%	1,855	1,855	0	0.0%
49.4%	1,841	1,845	4	0.2%
50.6%	1,826	1,828	2	0.1%
51.9%	1,815	1,813	-2	-0.1%
53.1%	1,788	1,804	16	0.9%
54.3%	1,770	1,795	25	1.4%
55.6%	1,754	1,782	29	1.6%
56.8%	1,742	1,745	3	0.1%
58.0%	1,741	1,737	-4	-0.2%
59.3%	1,680	1,737	57	3.4%
60.5%	1,646	1,735	89	5.4%
61.7%	1,630	1,712	82	5.1%
63.0%	1,622	1,675	53	3.2%
64.2%	1,621	1,652	31	1.9%
65.4%	1,615	1,613	-2	-0.1%
66.7%	1,602	1,589	-13	-0.8%
67.9%	1,506	1,586	80	5.3%
69.1%	1,483	1,560	77	5.2%
70.4%	1,444	1,527	83	5.7%
71.6%	1,381	1,524	143	10.4%
72.8%	1,334	1,504	170	12.8%
74.1%	1,324	1,496	172	13.0%
75.3%	1,294	1,364	69	5.4%
76.5%	1,284	1,349	65	5.0%
77.8%	1,270	1,338	67	5.3%
79.0%	1,252	1,326	74	5.9%
80.2%	1,221	1,310	89	7.3%
81.5%	1,202	1,241	39	3.3%
82.7%	1,197	1,223	26	2.2%
84.0%	1,147	1,128	-19	-1.7%
85.2%	1,066	1,117	52	4.9%
86.4%	1,065	1,065	0	0.0%
87.7%	951	1,060	109	11.5%
88.9%	951	984	33	3.5%
90.1%	864	951	86	10.0%
91.4%	863	927	64	7.4%
92.6%	848	920	73	8.6%
93.8%	789	854	66	8.3%
95.1%	780	808	28	3.6%
96.3%	771	788	17	2.2%
97.5%	528	619	91	17.3%
98.8%	475	565	91	19.1%
100.0%	466	528	61	13.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,290	2,300	10	0.4%
12.3%	2,283	2,288	5	0.2%
13.6%	2,283	2,283	0	0.0%
14.8%	2,278	2,282	4	0.2%
16.0%	2,276	2,278	2	0.1%
17.3%	2,269	2,276	7	0.3%
18.5%	2,266	2,267	2	0.1%
19.8%	2,263	2,266	2	0.1%
21.0%	2,261	2,265	4	0.2%
22.2%	2,259	2,257	-2	-0.1%
23.5%	2,241	2,254	13	0.6%
24.7%	2,234	2,251	17	0.8%
25.9%	2,226	2,249	23	1.1%
27.2%	2,225	2,234	9	0.4%
28.4%	2,218	2,229	10	0.5%
29.6%	2,218	2,225	8	0.3%
30.9%	2,214	2,225	11	0.5%
32.1%	2,208	2,218	10	0.5%
33.3%	2,205	2,218	12	0.6%
34.6%	2,191	2,205	14	0.6%
35.8%	2,190	2,191	1	0.0%
37.0%	2,161	2,189	27	1.3%
38.3%	2,153	2,166	12	0.6%
39.5%	2,149	2,161	12	0.6%
40.7%	2,117	2,156	39	1.8%
42.0%	2,101	2,127	25	1.2%
43.2%	2,095	2,109	14	0.7%
44.4%	2,063	2,103	40	1.9%
45.7%	2,059	2,094	36	1.7%
46.9%	2,052	2,059	6	0.3%
48.1%	1,997	2,040	43	2.1%
49.4%	1,995	2,022	27	1.4%
50.6%	1,972	1,958	-14	-0.7%
51.9%	1,967	1,954	-14	-0.7%
53.1%	1,918	1,951	33	1.7%
54.3%	1,913	1,944	31	1.6%
55.6%	1,889	1,935	45	2.4%
56.8%	1,878	1,915	36	1.9%
58.0%	1,864	1,909	45	2.4%
59.3%	1,862	1,870	8	0.4%
60.5%	1,823	1,866	42	2.3%
61.7%	1,811	1,851	39	2.2%
63.0%	1,798	1,830	32	1.8%
64.2%	1,761	1,823	61	3.5%
65.4%	1,744	1,819	75	4.3%
66.7%	1,707	1,760	53	3.1%
67.9%	1,660	1,718	58	3.5%
69.1%	1,641	1,714	74	4.5%
70.4%	1,582	1,634	52	3.3%
71.6%	1,571	1,634	63	4.0%
72.8%	1,496	1,625	129	8.6%
74.1%	1,486	1,592	106	7.1%
75.3%	1,449	1,536	87	6.0%
76.5%	1,416	1,506	91	6.4%
77.8%	1,406	1,441	35	2.5%
79.0%	1,362	1,435	73	5.3%
80.2%	1,337	1,383	46	3.5%
81.5%	1,316	1,362	46	3.5%
82.7%	1,311	1,345	34	2.6%
84.0%	1,299	1,341	42	3.2%
85.2%	1,121	1,251	130	11.6%
86.4%	1,118	1,157	39	3.5%
87.7%	1,105	1,154	49	4.4%
88.9%	1,096	1,126	30	2.7%
90.1%	1,038	1,099	61	5.8%
91.4%	1,006	1,013	8	0.8%
92.6%	920	953	33	3.6%
93.8%	887	950	62	7.0%
95.1%	855	904	49	5.7%
96.3%	838	892	54	6.4%
97.5%	742	742	0	0.0%
98.8%	615	719	104	16.8%
100.0%	565	700	135	24.0%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,420	2,420	0	0.0%
1.2%	2,420	2,420	0	0.0%
2.5%	2,420	2,420	0	0.0%
3.7%	2,420	2,420	0	0.0%
4.9%	2,411	2,411	0	0.0%
6.2%	2,410	2,410	0	0.0%
7.4%	2,386	2,384	-2	-0.1%
8.6%	2,384	2,384	0	0.0%
9.9%	2,330	2,340	10	0.4%
11.1%	2,325	2,328	3	0.1%
12.3%	2,323	2,325	2	0.1%
13.6%	2,321	2,324	3	0.1%
14.8%	2,318	2,321	2	0.1%
16.0%	2,318	2,318	0	0.0%
17.3%	2,310	2,317	6	0.3%
18.5%	2,301	2,316	16	0.7%
19.8%	2,292	2,310	19	0.8%
21.0%	2,276	2,301	25	1.1%
22.2%	2,274	2,292	18	0.8%
23.5%	2,272	2,284	12	0.5%
24.7%	2,234	2,272	37	1.7%
25.9%	2,229	2,264	35	1.6%
27.2%	2,221	2,234	13	0.6%
28.4%	2,215	2,214	-1	0.0%
29.6%	2,214	2,213	-1	0.0%
30.9%	2,185	2,185	0	0.0%
32.1%	2,183	2,183	0	0.0%
33.3%	2,173	2,173	0	0.0%
34.6%	2,163	2,164	1	0.1%
35.8%	2,162	2,163	1	0.0%
37.0%	2,158	2,157	-1	0.0%
38.3%	2,077	2,094	16	0.8%
39.5%	2,061	2,077	17	0.8%
40.7%	2,039	2,075	36	1.7%
42.0%	2,033	2,061	28	1.4%
43.2%	1,997	2,031	35	1.7%
44.4%	1,992	2,021	29	1.5%
45.7%	1,987	2,016	29	1.5%
46.9%	1,957	2,012	55	2.8%
48.1%	1,955	2,000	45	2.3%
49.4%	1,930	1,977	47	2.4%
50.6%	1,911	1,937	26	1.3%
51.9%	1,905	1,936	31	1.6%
53.1%	1,904	1,923	19	1.0%
54.3%	1,890	1,886	-5	-0.3%
55.6%	1,888	1,880	-8	-0.4%
56.8%	1,859	1,874	14	0.8%
58.0%	1,840	1,866	26	1.4%
59.3%	1,798	1,853	55	3.1%
60.5%	1,794	1,821	27	1.5%
61.7%	1,771	1,811	40	2.2%
63.0%	1,756	1,793	37	2.1%
64.2%	1,716	1,789	73	4.2%
65.4%	1,696	1,743	47	2.7%
66.7%	1,689	1,722	33	2.0%
67.9%	1,673	1,718	45	2.7%
69.1%	1,664	1,714	51	3.0%
70.4%	1,546	1,701	154	10.0%
71.6%	1,517	1,681	164	10.8%
72.8%	1,491	1,598	108	7.2%
74.1%	1,490	1,531	40	2.7%
75.3%	1,479	1,500	21	1.4%
76.5%	1,348	1,421	73	5.4%
77.8%	1,339	1,397	59	4.4%
79.0%	1,319	1,386	67	5.1%
80.2%	1,310	1,379	69	5.3%
81.5%	1,298	1,372	75	5.7%
82.7%	1,255	1,347	92	7.3%
84.0%	1,239	1,336	96	7.8%
85.2%	1,210	1,248	38	3.1%
86.4%	1,149	1,156	8	0.7%
87.7%	1,088	1,146	57	5.3%
88.9%	1,071	1,129	58	5.4%
90.1%	1,051	1,056	5	0.5%
91.4%	1,036	1,017	-19	-1.8%
92.6%	868	927	59	6.8%
93.8%	862	910	48	5.6%
95.1%	848	900	52	6.2%
96.3%	827	864	37	4.4%
97.5%	779	779	0	0.0%
98.8%	603	723	120	19.9%
100.0%	588	706	118	20.0%

Table SW-01-3b
Trinity Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,401	0	0.0%
8.6%	2,397	2,397	0	0.0%
9.9%	2,367	2,391	24	1.0%
11.1%	2,353	2,367	15	0.6%
12.3%	2,349	2,351	2	0.1%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,308	-7	-0.3%
16.0%	2,304	2,304	0	0.0%
17.3%	2,304	2,303	-1	0.0%
18.5%	2,285	2,292	8	0.3%
19.8%	2,268	2,285	17	0.7%
21.0%	2,265	2,266	2	0.1%
22.2%	2,226	2,261	36	1.6%
23.5%	2,214	2,250	35	1.6%
24.7%	2,211	2,226	14	0.6%
25.9%	2,204	2,214	10	0.5%
27.2%	2,187	2,204	17	0.8%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,073	-1	0.0%
37.0%	2,043	2,067	24	1.2%
38.3%	2,018	2,037	20	1.0%
39.5%	2,012	2,020	7	0.4%
40.7%	1,950	2,001	51	2.6%
42.0%	1,947	1,978	30	1.6%
43.2%	1,918	1,972	53	2.8%
44.4%	1,917	1,933	16	0.9%
45.7%	1,896	1,918	22	1.2%
46.9%	1,881	1,917	36	1.9%
48.1%	1,874	1,889	14	0.8%
49.4%	1,859	1,885	26	1.4%
50.6%	1,840	1,861	21	1.2%
51.9%	1,806	1,830	24	1.3%
53.1%	1,789	1,826	37	2.1%
54.3%	1,780	1,814	35	1.9%
55.6%	1,772	1,807	34	1.9%
56.8%	1,765	1,803	38	2.2%
58.0%	1,739	1,799	60	3.4%
59.3%	1,731	1,787	56	3.2%
60.5%	1,711	1,771	60	3.5%
61.7%	1,705	1,724	19	1.1%
63.0%	1,688	1,720	32	1.9%
64.2%	1,675	1,713	39	2.3%
65.4%	1,645	1,700	54	3.3%
66.7%	1,631	1,684	52	3.2%
67.9%	1,630	1,666	36	2.2%
69.1%	1,608	1,666	58	3.6%
70.4%	1,571	1,632	61	3.9%
71.6%	1,483	1,610	127	8.6%
72.8%	1,465	1,548	83	5.7%
74.1%	1,455	1,537	82	5.6%
75.3%	1,435	1,507	71	5.0%
76.5%	1,326	1,485	159	12.0%
77.8%	1,285	1,350	65	5.1%
79.0%	1,267	1,318	51	4.0%
80.2%	1,250	1,302	52	4.1%
81.5%	1,246	1,282	36	2.9%
82.7%	1,246	1,266	20	1.6%
84.0%	1,239	1,265	26	2.1%
85.2%	1,184	1,254	70	5.9%
86.4%	1,183	1,223	39	3.3%
87.7%	1,088	1,145	58	5.3%
88.9%	1,062	1,118	57	5.4%
90.1%	1,006	1,011	5	0.5%
91.4%	975	957	-19	-1.9%
92.6%	855	920	65	7.6%
93.8%	827	883	56	6.8%
95.1%	822	860	38	4.6%
96.3%	788	825	37	4.6%
97.5%	784	825	41	5.3%
98.8%	722	784	62	8.5%
100.0%	600	731	131	21.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,270	9	0.4%
13.6%	2,238	2,269	30	1.4%
14.8%	2,235	2,267	31	1.4%
16.0%	2,233	2,255	22	1.0%
17.3%	2,219	2,217	-1	-0.1%
18.5%	2,216	2,216	0	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,121	-3	-0.2%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,090	19	0.9%
25.9%	2,067	2,071	4	0.2%
27.2%	2,067	2,070	3	0.1%
28.4%	2,014	2,067	54	2.7%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,956	0	0.0%
35.8%	1,931	1,955	24	1.3%
37.0%	1,926	1,926	-1	0.0%
38.3%	1,890	1,915	25	1.3%
39.5%	1,794	1,869	75	4.2%
40.7%	1,790	1,847	57	3.2%
42.0%	1,769	1,825	56	3.2%
43.2%	1,742	1,810	68	3.9%
44.4%	1,737	1,769	32	1.8%
45.7%	1,737	1,765	28	1.6%
46.9%	1,735	1,742	8	0.4%
48.1%	1,728	1,740	12	0.7%
49.4%	1,705	1,713	8	0.5%
50.6%	1,695	1,698	3	0.2%
51.9%	1,634	1,683	49	3.0%
53.1%	1,625	1,682	56	3.5%
54.3%	1,610	1,666	56	3.5%
55.6%	1,591	1,656	65	4.1%
56.8%	1,578	1,640	62	3.9%
58.0%	1,562	1,638	76	4.8%
59.3%	1,554	1,581	27	1.7%
60.5%	1,551	1,579	28	1.8%
61.7%	1,549	1,574	25	1.6%
63.0%	1,541	1,572	32	2.1%
64.2%	1,535	1,571	36	2.4%
65.4%	1,507	1,561	54	3.6%
66.7%	1,460	1,545	85	5.8%
67.9%	1,456	1,543	87	6.0%
69.1%	1,415	1,527	112	7.9%
70.4%	1,405	1,496	91	6.5%
71.6%	1,375	1,495	120	8.7%
72.8%	1,350	1,429	79	5.9%
74.1%	1,340	1,363	24	1.8%
75.3%	1,312	1,360	48	3.7%
76.5%	1,311	1,323	11	0.9%
77.8%	1,142	1,204	62	5.4%
79.0%	1,118	1,165	47	4.2%
80.2%	1,110	1,142	33	3.0%
81.5%	1,104	1,130	25	2.3%
82.7%	1,088	1,124	36	3.3%
84.0%	1,085	1,119	33	3.1%
85.2%	1,069	1,117	48	4.5%
86.4%	1,066	1,092	26	2.5%
87.7%	980	1,053	73	7.4%
88.9%	901	1,009	108	12.0%
90.1%	851	906	54	6.4%
91.4%	842	833	-9	-1.1%
92.6%	747	812	65	8.6%
93.8%	704	766	61	8.7%
95.1%	676	743	67	9.9%
96.3%	662	733	71	10.8%
97.5%	631	708	77	12.2%
98.8%	561	676	115	20.5%
100.0%	542	623	81	14.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,150	4	0.2%
14.8%	2,122	2,150	28	1.3%
16.0%	2,110	2,139	29	1.4%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,109	11	0.5%
19.8%	2,053	2,073	20	1.0%
21.0%	2,050	2,053	2	0.1%
22.2%	2,034	2,000	-34	-1.7%
23.5%	1,957	1,958	0	0.0%
24.7%	1,949	1,957	8	0.4%
25.9%	1,927	1,951	24	1.2%
27.2%	1,892	1,924	33	1.7%
28.4%	1,890	1,902	12	0.6%
29.6%	1,872	1,890	18	1.0%
30.9%	1,868	1,872	4	0.2%
32.1%	1,837	1,872	35	1.9%
33.3%	1,816	1,837	21	1.1%
34.6%	1,808	1,816	8	0.4%
35.8%	1,795	1,802	6	0.4%
37.0%	1,777	1,802	25	1.4%
38.3%	1,777	1,776	0	0.0%
39.5%	1,641	1,718	77	4.7%
40.7%	1,622	1,708	86	5.3%
42.0%	1,592	1,695	102	6.4%
43.2%	1,588	1,661	73	4.6%
44.4%	1,588	1,622	35	2.2%
45.7%	1,583	1,622	39	2.5%
46.9%	1,556	1,592	36	2.3%
48.1%	1,547	1,564	17	1.1%
49.4%	1,514	1,553	39	2.6%
50.6%	1,510	1,547	37	2.4%
51.9%	1,488	1,541	52	3.5%
53.1%	1,475	1,535	60	4.1%
54.3%	1,460	1,532	71	4.9%
55.6%	1,424	1,495	71	5.0%
56.8%	1,414	1,487	73	5.2%
58.0%	1,386	1,470	84	6.0%
59.3%	1,383	1,467	84	6.1%
60.5%	1,376	1,462	86	6.3%
61.7%	1,372	1,411	39	2.8%
63.0%	1,370	1,406	37	2.7%
64.2%	1,333	1,399	67	5.0%
65.4%	1,324	1,393	68	5.2%
66.7%	1,306	1,392	86	6.5%
67.9%	1,241	1,378	136	11.0%
69.1%	1,241	1,337	96	7.7%
70.4%	1,237	1,324	87	7.1%
71.6%	1,223	1,308	85	6.9%
72.8%	1,207	1,292	84	7.0%
74.1%	1,180	1,231	51	4.3%
75.3%	1,177	1,193	16	1.4%
76.5%	1,172	1,111	-61	-5.2%
77.8%	1,057	1,080	23	2.2%
79.0%	1,034	1,033	-1	-0.1%
80.2%	998	1,024	27	2.7%
81.5%	988	1,023	35	3.5%
82.7%	971	1,021	50	5.2%
84.0%	968	1,017	49	5.1%
85.2%	964	1,007	42	4.4%
86.4%	924	987	63	6.8%
87.7%	863	936	72	8.4%
88.9%	816	821	5	0.6%
90.1%	728	782	54	7.4%
91.4%	636	710	74	11.7%
92.6%	632	696	64	10.2%
93.8%	616	644	28	4.5%
95.1%	592	636	43	7.3%
96.3%	500	627	127	25.5%
97.5%	446	617	171	38.5%
98.8%	436	559	123	28.2%
100.0%	357	500	143	40.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,975	0	0.0%
19.8%	1,968	1,956	-12	-0.6%
21.0%	1,867	1,933	65	3.5%
22.2%	1,866	1,867	2	0.1%
23.5%	1,820	1,857	37	2.0%
24.7%	1,810	1,842	32	1.8%
25.9%	1,784	1,820	36	2.0%
27.2%	1,778	1,781	3	0.2%
28.4%	1,764	1,776	12	0.7%
29.6%	1,746	1,765	19	1.1%
30.9%	1,731	1,764	33	1.9%
32.1%	1,691	1,757	66	3.9%
33.3%	1,681	1,721	40	2.4%
34.6%	1,672	1,689	17	1.0%
35.8%	1,659	1,672	13	0.8%
37.0%	1,635	1,653	18	1.1%
38.3%	1,632	1,632	-1	0.0%
39.5%	1,495	1,578	82	5.5%
40.7%	1,481	1,566	85	5.7%
42.0%	1,445	1,549	104	7.2%
43.2%	1,439	1,518	79	5.5%
44.4%	1,433	1,481	48	3.4%
45.7%	1,432	1,478	46	3.2%
46.9%	1,418	1,449	31	2.2%
48.1%	1,415	1,441	25	1.8%
49.4%	1,405	1,433	28	2.0%
50.6%	1,398	1,423	25	1.8%
51.9%	1,387	1,421	35	2.5%
53.1%	1,376	1,420	45	3.2%
54.3%	1,362	1,415	54	4.0%
55.6%	1,350	1,411	61	4.5%
56.8%	1,300	1,398	98	7.5%
58.0%	1,279	1,382	103	8.1%
59.3%	1,269	1,374	105	8.3%
60.5%	1,264	1,354	90	7.1%
61.7%	1,259	1,299	40	3.2%
63.0%	1,257	1,297	41	3.2%
64.2%	1,221	1,285	64	5.3%
65.4%	1,212	1,280	67	5.6%
66.7%	1,156	1,279	124	10.7%
67.9%	1,129	1,264	135	11.9%
69.1%	1,128	1,244	117	10.3%
70.4%	1,126	1,196	70	6.3%
71.6%	1,110	1,177	67	6.0%
72.8%	1,108	1,141	33	3.0%
74.1%	1,100	1,116	16	1.5%
75.3%	1,069	1,109	40	3.8%
76.5%	1,015	1,029	13	1.3%
77.8%	989	1,012	23	2.3%
79.0%	962	976	14	1.5%
80.2%	912	943	30	3.3%
81.5%	902	937	36	4.0%
82.7%	889	935	46	5.2%
84.0%	886	934	48	5.4%
85.2%	883	925	42	4.8%
86.4%	840	902	63	7.5%
87.7%	782	854	72	9.2%
88.9%	733	753	20	2.7%
90.1%	641	660	19	2.9%
91.4%	597	623	26	4.3%
92.6%	596	602	7	1.1%
93.8%	500	597	97	19.4%
95.1%	499	579	80	16.1%
96.3%	459	569	110	23.9%
97.5%	406	530	124	30.6%
98.8%	374	519	145	38.7%
100.0%	240	430	190	79.0%

Table SW-02-3a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative A	2,284	2,286	2,290	2,296	2,306	2,316	2,327	2,327	2,324	2,313	2,301	2,291
Difference	6	6	6	5	4	3	3	3	3	3	5	5
Percent Difference[3]	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative A	2,324	2,325	2,326	2,325	2,339	2,348	2,358	2,360	2,358	2,350	2,342	2,333
Difference	1	2	1	2	1	1	0	0	0	0	1	1
Percent Difference	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative A	2,310	2,310	2,312	2,306	2,320	2,335	2,346	2,346	2,345	2,336	2,325	2,315
Difference	5	5	5	8	7	6	5	5	5	4	4	5
Percent Difference	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative A	2,279	2,282	2,289	2,285	2,293	2,301	2,317	2,316	2,313	2,302	2,291	2,281
Difference	4	4	3	4	4	4	4	4	4	4	4	5
Percent Difference	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Dry (22%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative A	2,266	2,267	2,277	2,287	2,295	2,307	2,319	2,315	2,310	2,296	2,282	2,272
Difference	7	7	7	5	4	3	3	3	3	3	5	6
Percent Difference	0.3%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative A	2,207	2,210	2,214	2,248	2,253	2,261	2,268	2,266	2,264	2,249	2,231	2,219
Difference	18	20	16	7	7	6	6	6	6	9	13	16
Percent Difference	0.8%	0.9%	0.7%	0.3%	0.3%	0.3%	0.2%	0.2%	0.3%	0.4%	0.6%	0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-02-3b
Trinity Lake, End of Month Elevation
Probability of Exceedance

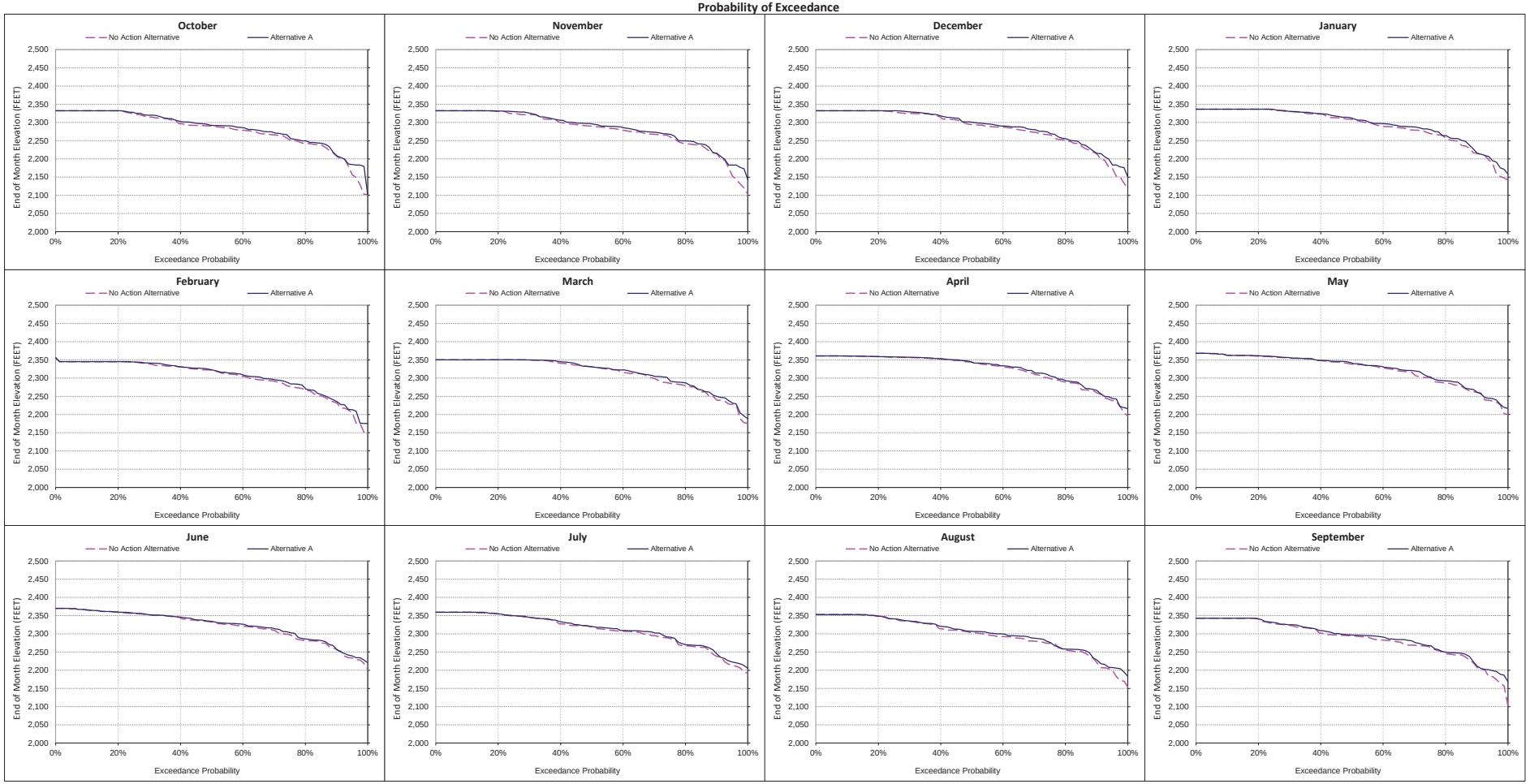

Table SW-02-3b

Trinity Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,329	2,331	2	0.1%
23.5%	2,326	2,329	2	0.1%
24.7%	2,324	2,328	4	0.2%
25.9%	2,322	2,325	3	0.1%
27.2%	2,321	2,325	4	0.2%
28.4%	2,317	2,321	3	0.1%
29.6%	2,315	2,320	5	0.2%
30.9%	2,315	2,320	5	0.2%
32.1%	2,313	2,319	7	0.3%
33.3%	2,311	2,316	5	0.2%
34.6%	2,311	2,313	1	0.1%
35.8%	2,310	2,311	1	0.0%
37.0%	2,307	2,311	4	0.2%
38.3%	2,306	2,307	0	0.0%
39.5%	2,297	2,304	7	0.3%
40.7%	2,296	2,301	5	0.2%
42.0%	2,293	2,301	9	0.4%
43.2%	2,292	2,300	8	0.4%
44.4%	2,292	2,299	7	0.3%
45.7%	2,292	2,297	5	0.2%
46.9%	2,291	2,296	5	0.2%
48.1%	2,291	2,295	5	0.2%
49.4%	2,290	2,293	3	0.1%
50.6%	2,290	2,292	1	0.1%
51.9%	2,288	2,292	4	0.2%
53.1%	2,287	2,291	4	0.2%
54.3%	2,286	2,291	5	0.2%
55.6%	2,285	2,291	5	0.2%
56.8%	2,282	2,290	9	0.4%
58.0%	2,280	2,287	8	0.3%
59.3%	2,278	2,287	8	0.4%
60.5%	2,278	2,285	7	0.3%
61.7%	2,277	2,280	3	0.1%
63.0%	2,276	2,280	4	0.2%
64.2%	2,274	2,279	5	0.2%
65.4%	2,269	2,278	8	0.4%
66.7%	2,269	2,275	6	0.3%
67.9%	2,268	2,275	6	0.3%
69.1%	2,266	2,274	8	0.4%
70.4%	2,266	2,270	5	0.2%
71.6%	2,264	2,270	6	0.3%
72.8%	2,263	2,268	5	0.2%
74.1%	2,257	2,266	9	0.4%
75.3%	2,251	2,256	5	0.2%
76.5%	2,250	2,254	3	0.1%
77.8%	2,248	2,252	4	0.2%
79.0%	2,243	2,249	6	0.3%
80.2%	2,243	2,249	6	0.3%
81.5%	2,242	2,245	3	0.1%
82.7%	2,240	2,245	5	0.2%
84.0%	2,239	2,244	5	0.2%
85.2%	2,238	2,243	5	0.2%
86.4%	2,231	2,240	9	0.4%
87.7%	2,223	2,234	10	0.5%
88.9%	2,216	2,219	3	0.1%
90.1%	2,207	2,208	2	0.1%
91.4%	2,199	2,204	5	0.2%
92.6%	2,199	2,199	0	0.0%
93.8%	2,179	2,186	7	0.3%
95.1%	2,156	2,184	29	1.3%
96.3%	2,149	2,183	34	1.6%
97.5%	2,129	2,183	53	2.5%
98.8%	2,103	2,180	77	3.7%
100.0%	2,103	2,103	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,331	2,332	0	0.0%
19.8%	2,330	2,332	1	0.1%
21.0%	2,330	2,331	1	0.0%
22.2%	2,330	2,331	1	0.0%
23.5%	2,325	2,330	5	0.2%
24.7%	2,324	2,330	6	0.3%
25.9%	2,324	2,329	5	0.2%
27.2%	2,322	2,328	7	0.3%
28.4%	2,321	2,328	7	0.3%
29.6%	2,321	2,327	5	0.2%
30.9%	2,321	2,324	3	0.1%
32.1%	2,321	2,321	0	0.0%
33.3%	2,316	2,316	0	0.0%
34.6%	2,310	2,315	5	0.2%
35.8%	2,309	2,313	4	0.2%
37.0%	2,309	2,311	2	0.1%
38.3%	2,307	2,308	1	0.0%
39.5%	2,301	2,307	6	0.3%
40.7%	2,298	2,305	7	0.3%
42.0%	2,298	2,301	3	0.1%
43.2%	2,296	2,300	5	0.2%
44.4%	2,295	2,299	5	0.2%
45.7%	2,293	2,298	5	0.2%
46.9%	2,292	2,298	6	0.3%
48.1%	2,291	2,297	7	0.3%
49.4%	2,291	2,297	6	0.3%
50.6%	2,289	2,295	6	0.3%
51.9%	2,288	2,294	6	0.3%
53.1%	2,287	2,290	3	0.1%
54.3%	2,286	2,290	3	0.1%
55.6%	2,284	2,290	6	0.3%
56.8%	2,283	2,289	6	0.3%
58.0%	2,282	2,289	7	0.3%
59.3%	2,279	2,288	9	0.4%
60.5%	2,278	2,285	6	0.3%
61.7%	2,276	2,284	8	0.3%
63.0%	2,275	2,281	6	0.3%
64.2%	2,274	2,279	5	0.2%
65.4%	2,274	2,276	2	0.1%
66.7%	2,271	2,276	5	0.2%
67.9%	2,268	2,274	6	0.3%
69.1%	2,268	2,273	6	0.2%
70.4%	2,267	2,273	6	0.3%
71.6%	2,266	2,271	5	0.2%
72.8%	2,265	2,269	4	0.2%
74.1%	2,265	2,269	4	0.2%
75.3%	2,260	2,267	8	0.3%
76.5%	2,255	2,263	7	0.3%
77.8%	2,247	2,250	3	0.1%
79.0%	2,243	2,249	6	0.3%
80.2%	2,241	2,249	8	0.4%
81.5%	2,241	2,249	8	0.4%
82.7%	2,239	2,247	8	0.4%
84.0%	2,238	2,242	4	0.2%
85.2%	2,237	2,241	5	0.2%
86.4%	2,229	2,238	9	0.4%
87.7%	2,221	2,231	10	0.5%
88.9%	2,218	2,217	-1	0.0%
90.1%	2,215	2,215	0	0.0%
91.4%	2,199	2,207	8	0.4%
92.6%	2,197	2,199	1	0.1%
93.8%	2,176	2,183	7	0.3%
95.1%	2,153	2,183	30	1.4%
96.3%	2,143	2,183	40	1.9%
97.5%	2,131	2,177	45	2.1%
98.8%	2,120	2,173	53	2.5%
100.0%	2,103	2,143	40	1.9%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.1%
23.5%	2,331	2,332	1	0.1%
24.7%	2,329	2,332	3	0.1%
25.9%	2,327	2,332	5	0.2%
27.2%	2,326	2,331	5	0.2%
28.4%	2,325	2,331	6	0.2%
29.6%	2,325	2,330	5	0.2%
30.9%	2,324	2,328	4	0.2%
32.1%	2,324	2,328	3	0.1%
33.3%	2,324	2,327	3	0.1%
34.6%	2,324	2,325	2	0.1%
35.8%	2,324	2,324	1	0.0%
37.0%	2,323	2,322	-1	0.0%
38.3%	2,318	2,322	4	0.2%
39.5%	2,317	2,320	3	0.1%
40.7%	2,309	2,316	7	0.3%
42.0%	2,309	2,314	5	0.2%
43.2%	2,309	2,314	5	0.2%
44.4%	2,308	2,312	4	0.2%
45.7%	2,306	2,312	6	0.3%
46.9%	2,301	2,302	1	0.1%
48.1%	2,297	2,301	5	0.2%
49.4%	2,295	2,301	7	0.3%
50.6%	2,294	2,300	6	0.3%
51.9%	2,293	2,299	6	0.2%
53.1%	2,293	2,298	5	0.2%
54.3%	2,290	2,296	6	0.3%
55.6%	2,289	2,296	7	0.3%
56.8%	2,288	2,294	6	0.3%
58.0%	2,287	2,292	5	0.2%
59.3%	2,287	2,290	3	0.1%
60.5%	2,287	2,290	3	0.1%
61.7%	2,285	2,289	4	0.2%
63.0%	2,285	2,288	3	0.1%
64.2%	2,281	2,288	7	0.3%
65.4%	2,280	2,288	8	0.4%
66.7%	2,278	2,286	8	0.4%
67.9%	2,278	2,282	4	0.2%
69.1%	2,274	2,281	7	0.3%
70.4%	2,273	2,280	7	0.3%
71.6%	2,270	2,276	6	0.3%
72.8%	2,268	2,276	8	0.3%
74.1%	2,267	2,275	8	0.3%
75.3%	2,265	2,269	4	0.2%
76.5%	2,256	2,267	11	0.5%
77.8%	2,253	2,260	7	0.3%
79.0%	2,253	2,256	4	0.2%
80.2%	2,249	2,255	6	0.3%
81.5%	2,248	2,251	3	0.1%
82.7%	2,243	2,249	6	0.3%
84.0%	2,243	2,249	6	0.3%
85.2%	2,234	2,239	5	0.2%
86.4%	2,228	2,237	9	0.4%
87.7%	2,223	2,229	6	0.3%
88.9%	2,219	2,222	3	0.1%
90.1%	2,213	2,215	2	0.1%
91.4%	2,199	2,214	15	0.7%
92.6%	2,196	2,206	10	0.5%
93.8%	2,178	2,199	21	1.0%
95.1%	2,174	2,183	9	0.4%
96.3%	2,152	2,183	30	1.4%
97.5%	2,151	2,178	28	1.3%
98.8%	2,133	2,176	42	2.0%
100.0%	2,118	2,151	32	1.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,337	3	0.1%
25.9%	2,333	2,333	0	0.0%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,333	2	0.1%
29.6%	2,330	2,330	0	0.0%
30.9%	2,330	2,330	1	0.0%
32.1%	2,329	2,330	1	0.1%
33.3%	2,329	2,329	0	0.0%
34.6%	2,327	2,328	1	0.1%
35.8%	2,324	2,328	3	0.1%
37.0%	2,324	2,327	3	0.1%
38.3%	2,323	2,325	2	0.1%
39.5%	2,323	2,325	1	0.1%
40.7%	2,323	2,324	1	0.0%
42.0%	2,316	2,323	7	0.3%
43.2%	2,314	2,320	6	0.3%
44.4%	2,313	2,318	5	0.2%
45.7%	2,313	2,316	4	0.2%
46.9%	2,311	2,314	3	0.1%
48.1%	2,309	2,314	5	0.2%
49.4%	2,309	2,313	4	0.2%
50.6%	2,308	2,310	2	0.1%
51.9%	2,305	2,307	2	0.1%
53.1%	2,302	2,307	5	0.2%
54.3%	2,300	2,305	5	0.2%
55.6%	2,300	2,300	1	0.0%
56.8%	2,296	2,298	2	0.1%
58.0%	2,293	2,297	5	0.2%
59.3%	2,290	2,297	7	0.3%
60.5%	2,289	2,296	8	0.3%
61.7%	2,288	2,296	8	0.3%
63.0%	2,288	2,294	6	0.3%
64.2%	2,287	2,292	6	0.2%
65.4%	2,285	2,289	4	0.2%
66.7%	2,284	2,289	5	0.2%
67.9%	2,282	2,289	6	0.3%
69.1%	2,279	2,288	9	0.4%
70.4%	2,279	2,288	9	0.4%
71.6%	2,278	2,285	6	0.3%
72.8%	2,277	2,282	6	0.2%
74.1%	2,272	2,282	10	0.4%
75.3%	2,269	2,280	11	0.5%
76.5%	2,267	2,275	7	0.3%
77.8%	2,266	2,275	9	0.4%
79.0%	2,265	2,264	-1	0.0%
80.2%	2,255	2,264	9	0.4%
81.5%	2,252	2,257	5	0.2%
82.7%	2,250	2,256	6	0.3%
84.0%	2,249	2,256	6	0.3%
85.2%	2,237	2,251	14	0.6%
86.4%	2,235	2,248	13	0.6%
87.7%	2,229	2,238	9	0.4%
88.9%	2,217	2,227	10	0.5%
90.1%	2,215	2,215	0	0.0%
91.4%	2,212	2,213	1	0.0%
92.6%	2,210	2,209	0	0.0%
93.8%	2,197	2,207	10	0.4%
95.1%	2,189	2,195	7	0.3%
96.3%	2,159	2,191	32	1.5%
97.5%	2,152	2,175	23	1.1%
98.8%	2,147	2,171	24	1.1%
100.0%	2,142	2,159	17	0.8%

Table SW-02-3b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,356	2,356	0	0.0%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,344	2,345	1	0.0%
24.7%	2,344	2,344	0	0.0%
25.9%	2,344	2,344	0	0.0%
27.2%	2,341	2,344	2	0.1%
28.4%	2,341	2,342	0	0.0%
29.6%	2,339	2,341	2	0.1%
30.9%	2,338	2,341	4	0.2%
32.1%	2,335	2,341	6	0.3%
33.3%	2,334	2,341	6	0.3%
34.6%	2,334	2,338	4	0.2%
35.8%	2,333	2,336	3	0.1%
37.0%	2,333	2,334	2	0.1%
38.3%	2,333	2,334	2	0.1%
39.5%	2,331	2,331	0	0.0%
40.7%	2,330	2,330	0	0.0%
42.0%	2,327	2,329	3	0.1%
43.2%	2,326	2,328	2	0.1%
44.4%	2,325	2,328	3	0.1%
45.7%	2,325	2,327	3	0.1%
46.9%	2,323	2,326	4	0.2%
48.1%	2,323	2,326	4	0.2%
49.4%	2,323	2,324	1	0.1%
50.6%	2,319	2,322	3	0.1%
51.9%	2,318	2,319	1	0.0%
53.1%	2,314	2,316	3	0.1%
54.3%	2,313	2,316	3	0.1%
55.6%	2,311	2,314	3	0.1%
56.8%	2,310	2,314	4	0.2%
58.0%	2,309	2,312	3	0.1%
59.3%	2,305	2,311	6	0.3%
60.5%	2,305	2,307	3	0.1%
61.7%	2,301	2,305	4	0.2%
63.0%	2,297	2,305	7	0.3%
64.2%	2,296	2,304	8	0.3%
65.4%	2,295	2,304	8	0.4%
66.7%	2,294	2,299	5	0.2%
67.9%	2,293	2,298	5	0.2%
69.1%	2,293	2,298	5	0.2%
70.4%	2,291	2,295	4	0.2%
71.6%	2,288	2,294	6	0.3%
72.8%	2,286	2,293	7	0.3%
74.1%	2,279	2,289	10	0.4%
75.3%	2,276	2,284	8	0.3%
76.5%	2,274	2,284	9	0.4%
77.8%	2,273	2,283	10	0.4%
79.0%	2,271	2,281	10	0.4%
80.2%	2,265	2,270	4	0.2%
81.5%	2,265	2,268	2	0.1%
82.7%	2,257	2,267	9	0.4%
84.0%	2,252	2,258	6	0.3%
85.2%	2,251	2,255	4	0.2%
86.4%	2,246	2,251	5	0.2%
87.7%	2,239	2,246	7	0.3%
88.9%	2,235	2,241	5	0.2%
90.1%	2,232	2,235	3	0.1%
91.4%	2,218	2,228	10	0.5%
92.6%	2,218	2,227	9	0.4%
93.8%	2,213	2,214	1	0.0%
95.1%	2,205	2,214	9	0.4%
96.3%	2,176	2,209	33	1.5%
97.5%	2,176	2,176	0	0.0%
98.8%	2,152	2,176	24	1.1%
100.0%	2,146	2,175	29	1.3%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,350	2,350	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,349	2,350	1	0.0%
32.1%	2,349	2,350	1	0.1%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,348	2,349	1	0.0%
37.0%	2,345	2,348	2	0.1%
38.3%	2,344	2,348	4	0.2%
39.5%	2,341	2,345	4	0.2%
40.7%	2,340	2,345	4	0.2%
42.0%	2,339	2,344	4	0.2%
43.2%	2,338	2,342	4	0.2%
44.4%	2,336	2,341	5	0.2%
45.7%	2,336	2,337	1	0.1%
46.9%	2,334	2,333	-1	0.0%
48.1%	2,333	2,333	0	0.0%
49.4%	2,332	2,332	0	0.0%
50.6%	2,330	2,330	0	0.0%
51.9%	2,329	2,329	0	0.0%
53.1%	2,327	2,328	1	0.1%
54.3%	2,325	2,328	2	0.1%
55.6%	2,324	2,327	2	0.1%
56.8%	2,323	2,323	0	0.0%
58.0%	2,323	2,323	0	0.0%
59.3%	2,318	2,323	5	0.2%
60.5%	2,315	2,322	8	0.3%
61.7%	2,314	2,321	7	0.3%
63.0%	2,313	2,317	4	0.2%
64.2%	2,313	2,315	3	0.1%
65.4%	2,312	2,312	0	0.0%
66.7%	2,311	2,310	-1	0.0%
67.9%	2,303	2,310	7	0.3%
69.1%	2,301	2,308	7	0.3%
70.4%	2,298	2,305	7	0.3%
71.6%	2,292	2,305	12	0.5%
72.8%	2,289	2,303	14	0.6%
74.1%	2,288	2,302	15	0.6%
75.3%	2,285	2,291	6	0.3%
76.5%	2,284	2,290	5	0.2%
77.8%	2,283	2,289	6	0.3%
79.0%	2,281	2,288	7	0.3%
80.2%	2,278	2,287	8	0.4%
81.5%	2,276	2,280	4	0.2%
82.7%	2,276	2,278	3	0.1%
84.0%	2,271	2,269	-2	-0.1%
85.2%	2,262	2,268	5	0.2%
86.4%	2,262	2,262	0	0.0%
87.7%	2,249	2,262	12	0.6%
88.9%	2,249	2,253	4	0.2%
90.1%	2,239	2,249	10	0.4%
91.4%	2,239	2,247	7	0.3%
92.6%	2,237	2,246	9	0.4%
93.8%	2,229	2,238	9	0.4%
95.1%	2,228	2,232	4	0.2%
96.3%	2,226	2,229	2	0.1%
97.5%	2,188	2,205	16	0.7%
98.8%	2,178	2,196	18	0.8%
100.0%	2,176	2,188	12	0.6%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,361	1	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,360	2,360	0	0.0%
14.8%	2,360	2,360	0	0.0%
16.0%	2,360	2,360	0	0.0%
17.3%	2,359	2,360	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,359	2,359	0	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,359	2,359	0	0.0%
23.5%	2,358	2,359	1	0.0%
24.7%	2,357	2,358	1	0.0%
25.9%	2,357	2,358	1	0.1%
27.2%	2,357	2,357	0	0.0%
28.4%	2,357	2,357	1	0.0%
29.6%	2,357	2,357	0	0.0%
30.9%	2,356	2,357	1	0.0%
32.1%	2,356	2,357	1	0.0%
33.3%	2,356	2,357	1	0.0%
34.6%	2,355	2,356	1	0.0%
35.8%	2,355	2,355	0	0.0%
37.0%	2,354	2,355	1	0.1%
38.3%	2,353	2,354	1	0.0%
39.5%	2,353	2,354	1	0.0%
40.7%	2,351	2,353	2	0.1%
42.0%	2,350	2,352	1	0.1%
43.2%	2,350	2,351	1	0.0%
44.4%	2,348	2,351	2	0.1%
45.7%	2,348	2,350	2	0.1%
46.9%	2,348	2,348	0	0.0%
48.1%	2,345	2,347	2	0.1%
49.4%	2,345	2,346	2	0.1%
50.6%	2,343	2,341	-1	-0.1%
51.9%	2,342	2,341	-1	-0.1%
53.1%	2,338	2,341	3	0.1%
54.3%	2,338	2,340	3	0.1%
55.6%	2,336	2,339	4	0.2%
56.8%	2,335	2,338	3	0.1%
58.0%	2,333	2,337	4	0.2%
59.3%	2,333	2,334	1	0.0%
60.5%	2,330	2,334	4	0.2%
61.7%	2,329	2,332	3	0.1%
63.0%	2,328	2,331	3	0.1%
64.2%	2,325	2,330	5	0.2%
65.4%	2,323	2,330	6	0.3%
66.7%	2,320	2,325	4	0.2%
67.9%	2,316	2,321	5	0.2%
69.1%	2,314	2,321	6	0.3%
70.4%	2,309	2,314	4	0.2%
71.6%	2,309	2,314	5	0.2%
72.8%	2,302	2,313	11	0.5%
74.1%	2,301	2,310	9	0.4%
75.3%	2,298	2,306	7	0.3%
76.5%	2,295	2,303	8	0.3%
77.8%	2,295	2,298	3	0.1%
79.0%	2,291	2,297	6	0.3%
80.2%	2,289	2,293	4	0.2%
81.5%	2,287	2,291	4	0.2%
82.7%	2,287	2,290	3	0.1%
84.0%	2,286	2,289	4	0.2%
85.2%	2,268	2,281	13	0.6%
86.4%	2,268	2,272	4	0.2%
87.7%	2,266	2,271	5	0.2%
88.9%	2,266	2,269	3	0.1%
90.1%	2,259	2,266	7	0.3%
91.4%	2,256	2,257	1	0.0%
92.6%	2,246	2,250	4	0.2%
93.8%	2,242	2,249	7	0.3%
95.1%	2,238	2,244	6	0.3%
96.3%	2,236	2,243	7	0.3%
97.5%	2,222	2,222	0	0.0%
98.8%	2,204	2,219	15	0.7%
100.0%	2,196	2,216	20	0.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	1	0.0%
11.1%	2,363	2,363	0	0.0%
12.3%	2,362	2,363	0	0.0%
13.6%	2,362	2,362	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,362	1	0.0%
19.8%	2,361	2,362	1	0.0%
21.0%	2,360	2,361	1	0.1%
22.2%	2,360	2,361	1	0.0%
23.5%	2,359	2,360	1	0.0%
24.7%	2,358	2,359	2	0.1%
25.9%	2,357	2,359	2	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,354	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,353	0	0.0%
38.3%	2,349	2,350	1	0.0%
39.5%	2,348	2,349	1	0.0%
40.7%	2,347	2,349	2	0.1%
42.0%	2,347	2,348	1	0.1%
43.2%	2,345	2,347	2	0.1%
44.4%	2,344	2,346	2	0.1%
45.7%	2,344	2,346	2	0.1%
46.9%	2,341	2,346	4	0.2%
48.1%	2,341	2,345	4	0.2%
49.4%	2,339	2,343	4	0.2%
50.6%	2,337	2,340	2	0.1%
51.9%	2,337	2,340	3	0.1%
53.1%	2,337	2,338	2	0.1%
54.3%	2,336	2,335	0	0.0%
55.6%	2,335	2,335	-1	0.0%
56.8%	2,333	2,334	1	0.1%
58.0%	2,331	2,334	2	0.1%
59.3%	2,328	2,333	5	0.2%
60.5%	2,328	2,330	2	0.1%
61.7%	2,326	2,329	3	0.1%
63.0%	2,324	2,327	3	0.1%
64.2%	2,321	2,327	6	0.3%
65.4%	2,319	2,323	4	0.2%
66.7%	2,319	2,321	3	0.1%
67.9%	2,317	2,321	4	0.2%
69.1%	2,316	2,321	4	0.2%
70.4%	2,306	2,320	13	0.6%
71.6%	2,304	2,318	14	0.6%
72.8%	2,302	2,311	9	0.4%
74.1%	2,302	2,305	3	0.1%
75.3%	2,301	2,303	2	0.1%
76.5%	2,290	2,296	6	0.3%
77.8%	2,289	2,294	5	0.2%
79.0%	2,287	2,293	6	0.2%
80.2%	2,287	2,292	6	0.3%
81.5%	2,286	2,292	6	0.3%
82.7%	2,282	2,290	8	0.4%
84.0%	2,280	2,289	9	0.4%
85.2%	2,277	2,281	4	0.2%
86.4%	2,271	2,272	1	0.0%
87.7%	2,265	2,271	6	0.3%
88.9%	2,263	2,269	6	0.3%
90.1%	2,261	2,261	1	0.0%
91.4%	2,259	2,257	-2	-0.1%
92.6%	2,240	2,247	7	0.3%
93.8%	2,239	2,245	6	0.2%
95.1%	2,237	2,244	6	0.3%
96.3%	2,234	2,239	5	0.2%
97.5%	2,227	2,227	0	0.0%
98.8%	2,202	2,219	17	0.8%
100.0%	2,200	2,217	17	0.8%

Table SW-02-3b

Trinity Lake, End of Month Elevation
Probability of Exceedance

	June				July				August				September			
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
1.2%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
2.5%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
3.7%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
4.9%	2,369	2,369	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
6.2%	2,369	2,369	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
7.4%	2,367	2,367	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
8.6%	2,367	2,367	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
9.9%	2,365	2,366	1	0.1%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
11.1%	2,364	2,365	1	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
12.3%	2,364	2,364	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
13.6%	2,363	2,363	0	0.0%	2,358	2,359	2	0.1%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
14.8%	2,362	2,361	0	0.0%	2,358	2,359	2	0.1%	2,352	2,353	1	0.1%	2,343	2,343	0	0.0%
16.0%	2,361	2,361	0	0.0%	2,357	2,359	1	0.0%	2,351	2,352	2	0.1%	2,343	2,343	0	0.0%
17.3%	2,361	2,361	0	0.0%	2,357	2,357	0	0.0%	2,350	2,351	1	0.0%	2,343	2,343	0	0.0%
18.5%	2,360	2,361	0	0.0%	2,357	2,357	0	0.0%	2,350	2,351	1	0.0%	2,343	2,343	0	0.0%
19.8%	2,359	2,360	1	0.0%	2,355	2,355	0	0.0%	2,348	2,349	1	0.0%	2,342	2,341	-1	0.0%
21.0%	2,359	2,359	0	0.0%	2,354	2,354	0	0.0%	2,348	2,348	0	0.0%	2,334	2,339	6	0.2%
22.2%	2,357	2,359	2	0.1%	2,352	2,351	0	0.0%	2,347	2,345	-2	-0.1%	2,334	2,334	0	0.0%
23.5%	2,356	2,358	2	0.1%	2,350	2,351	2	0.1%	2,341	2,341	0	0.0%	2,330	2,333	3	0.1%
24.7%	2,356	2,357	1	0.0%	2,349	2,350	1	0.0%	2,341	2,341	1	0.0%	2,329	2,332	3	0.1%
25.9%	2,356	2,356	1	0.0%	2,349	2,349	0	0.0%	2,339	2,341	2	0.1%	2,327	2,330	3	0.1%
27.2%	2,355	2,356	1	0.0%	2,349	2,349	0	0.0%	2,336	2,339	3	0.1%	2,326	2,326	0	0.0%
28.4%	2,353	2,355	2	0.1%	2,346	2,349	3	0.1%	2,336	2,337	1	0.0%	2,325	2,326	1	0.0%
29.6%	2,353	2,353	0	0.0%	2,346	2,346	0	0.0%	2,334	2,336	2	0.1%	2,323	2,325	2	0.1%
30.9%	2,352	2,352	0	0.0%	2,344	2,344	0	0.0%	2,334	2,334	0	0.0%	2,322	2,325	3	0.1%
32.1%	2,351	2,351	0	0.0%	2,343	2,343	0	0.0%	2,331	2,334	3	0.1%	2,319	2,324	6	0.2%
33.3%	2,351	2,351	0	0.0%	2,342	2,342	0	0.0%	2,329	2,331	2	0.1%	2,318	2,321	3	0.1%
34.6%	2,350	2,350	0	0.0%	2,341	2,341	0	0.0%	2,329	2,329	1	0.0%	2,317	2,319	1	0.1%
35.8%	2,349	2,349	0	0.0%	2,339	2,341	2	0.1%	2,328	2,328	1	0.0%	2,316	2,317	1	0.0%
37.0%	2,347	2,349	1	0.1%	2,339	2,339	0	0.0%	2,326	2,328	2	0.1%	2,314	2,315	2	0.1%
38.3%	2,346	2,347	1	0.0%	2,336	2,338	2	0.1%	2,326	2,326	0	0.0%	2,314	2,314	0	0.0%
39.5%	2,346	2,346	0	0.0%	2,327	2,334	6	0.3%	2,314	2,321	7	0.3%	2,302	2,309	7	0.3%
40.7%	2,341	2,345	4	0.2%	2,327	2,332	5	0.2%	2,313	2,320	7	0.3%	2,301	2,308	7	0.3%
42.0%	2,341	2,343	3	0.1%	2,325	2,330	5	0.2%	2,310	2,319	9	0.4%	2,298	2,307	9	0.4%
43.2%	2,338	2,343	5	0.2%	2,323	2,329	6	0.2%	2,310	2,316	6	0.3%	2,297	2,304	7	0.3%
44.4%	2,338	2,339	1	0.1%	2,323	2,325	3	0.1%	2,310	2,313	3	0.1%	2,297	2,301	4	0.2%
45.7%	2,336	2,338	2	0.1%	2,323	2,325	2	0.1%	2,310	2,313	3	0.1%	2,297	2,301	4	0.2%
46.9%	2,335	2,338	3	0.1%	2,322	2,323	1	0.0%	2,307	2,310	3	0.1%	2,296	2,298	3	0.1%
48.1%	2,334	2,336	1	0.1%	2,322	2,323	1	0.0%	2,307	2,308	1	0.1%	2,295	2,298	2	0.1%
49.4%	2,333	2,335	2	0.1%	2,320	2,321	1	0.0%	2,304	2,307	3	0.1%	2,295	2,297	2	0.1%
50.6%	2,331	2,333	2	0.1%	2,319	2,319	0	0.0%	2,303	2,307	3	0.1%	2,294	2,296	2	0.1%
51.9%	2,328	2,331	2	0.1%	2,314	2,318	4	0.2%	2,302	2,306	4	0.2%	2,293	2,296	3	0.1%
53.1%	2,327	2,330	3	0.1%	2,313	2,318	5	0.2%	2,300	2,305	5	0.2%	2,292	2,296	4	0.2%
54.3%	2,326	2,329	3	0.1%	2,312	2,317	5	0.2%	2,299	2,305	6	0.3%	2,291	2,295	5	0.2%
55.6%	2,326	2,329	3	0.1%	2,310	2,316	6	0.2%	2,296	2,302	6	0.3%	2,290	2,295	5	0.2%
56.8%	2,325	2,328	3	0.1%	2,309	2,314	5	0.2%	2,295	2,302	6	0.3%	2,286	2,294	8	0.4%
58.0%	2,323	2,328	5	0.2%	2,308	2,314	6	0.3%	2,293	2,300	7	0.3%	2,284	2,293	9	0.4%
59.3%	2,322	2,327	5	0.2%	2,307	2,309	2	0.1%	2,293	2,300	7	0.3%	2,283	2,292	9	0.4%
60.5%	2,320	2,326	5	0.2%	2,307	2,309	2	0.1%	2,292	2,299	7	0.3%	2,282	2,290	8	0.3%
61.7%	2,320	2,322	2	0.1%	2,307	2,309	2	0.1%	2,292	2,295	3	0.1%	2,282	2,286	4	0.2%
63.0%	2,318	2,321	3	0.1%	2,306	2,309	3	0.1%	2,292	2,295	3	0.1%	2,282	2,285	4	0.2%
64.2%	2,317	2,321	3	0.1%	2,306	2,309	3	0.1%	2,288	2,294	6	0.2%	2,278	2,284	6	0.3%
65.4%	2,315	2,319	5	0.2%	2,303	2,308	5	0.2%	2,288	2,293	6	0.3%	2,277	2,284	7	0.3%
66.7%	2,314	2,318	4	0.2%	2,299	2,306	7	0.3%	2,286	2,293	7	0.3%	2,272	2,284	12	0.5%
67.9%	2,314	2,317	3	0.1%	2,299	2,306	7	0.3%	2,280	2,292	12	0.5%	2,269	2,282	13	0.6%
69.1%	2,312	2,317	5	0.2%	2,295	2,305	9	0.4%	2,280	2,289	9	0.4%	2,269	2,280	12	0.5%
70.4%	2,309	2,314	5	0.2%	2,295	2,302	8	0.3%	2,280	2,288	8	0.4%	2,269	2,276	7	0.3%
71.6%	2,301	2,312	11	0.5%	2,292	2,302	10	0.4%	2,278	2,286	8	0.4%	2,267	2,274	7	0.3%
72.8%	2,300	2,307	7	0.3%	2,290	2,297	7	0.3%	2,277	2,285	8	0.4%	2,267	2,270	3	0.1%
74.1%	2,299	2,306	7	0.3%	2,289	2,291	2	0.1%	2,274	2,279	5	0.2%	2,266	2,268	2	0.1%
75.3%	2,297	2,303	6	0.3%	2,287	2,291	4	0.2%	2,274	2,275	2	0.1%	2,263	2,267	4	0.2%
76.5%	2,288	2,301	13	0.6%	2,287	2,288	1	0.0%	2,273	2,267	-6	-0.3%	2,257	2,258	2	0.1%
77.8%	2,284	2,290	5	0.2%	2,270	2,276	6	0.3%	2,262	2,264	2	0.1%	2,254	2,256	3	0.1%
79.0%	2,283	2,287	5	0.2%	2,268	2,272	5	0.2%	2,259	2,259	0	0.0%	2,251	2,252	2	0.1%
80.2%	2,281	2,286	5	0.2%	2,267	2,270	3	0.1%	2,255	2,258	3	0.1%	2,245	2,248	3	0.2%
81.5%	2,281	2,284	4	0.2%	2,266	2,269	3	0.1%	2,254	2,258	4	0.2%	2,244	2,248	4	0.2%
82.7%	2,281	2,283	2	0.1%	2,265	2,268	4	0.2%	2,252	2,257	6	0.3%	2,242	2,248	5	0.2%
84.0%	2,280	2,282	3	0.1%	2,265	2,268	3	0.1%	2,251	2,257	6	0.2%	2,242	2,247	6	0.2%
85.2%	2,274	2,281	7	0.3%	2,263	2,268	5	0.2%	2,251	2,256	5	0.2%	2,242	2,246	5	0.2%
86.4%	2,274	2,278	4	0.2%	2,263	2,265	3	0.1%	2,246	2,253	7	0.3%	2,236	2,244	8	0.3%
87.7%	2,265	2,271	6	0.3%	2,253	2,261	8	0.4%	2,239	2,248	8	0.4%	2,228	2,238	10	0.5%
88.9%	2,262	2,268	6	0.3%	2,244	2,256	12	0.5%	2,233	2,233	1	0.0%	2,221	2,224	3	0.1%
90.1%	2,256	2,256	1	0.0%	2,238	2,244	6	0.3%	2,220	2,228	8	0.3%	2,208	2,210	3	0.1%
91.4%	2,252	2,250	-2	-0.1%	2,236	2,235	-1	-0.1%	2,207	2,218	11	0.5%	2,201	2,205	4	0.2%
92.6%	2,238	2,246	8	0.3%	2,223	2,232	9	0.4%	2,206	2,216	9	0.4%	2,201	2,202	1	0.0%
93.8%	2,234	2,242	7	0.3%	2,217	2,226	9	0.4%	2,204	2,208	4	0.2%	2,183	2,201	19	0.9%
95.1%	2,234	2,239	5	0.2%	2,213	2,222	10	0.4%	2,201	2,207	6	0.3%	2,182	2,199	16	0.7%
96.3%	2,229	2,234	5	0.2%	2,211	2,221	10	0.5%	2,183	2,206	23	1.1%	2,174	2,197	22	1.0%
97.5%	2,228	2,234	6	0.3%	2,206	2,217	11	0.5%	2,172	2,204	33	1.5%	2,164	2,189	25	1.2%
98.8%	2,219	2,228	9	0.4%	2,195	2,213	18	0.8%	2,170	2,195	25	1.2%	2,157	2,187	29	1.4%
100.0%	2,202	2,221	19	0.9%	2,191	2,205	14	0.6%	2,154	2,183	29	1.4%	2,103	2,168	66	3.1%

Table SW-03-3a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative A	10,872	10,938	11,214	11,535	12,093	12,695	13,388	13,358	13,191	12,534	11,840	11,228
Difference	291	302	280	244	225	188	169	170	171	198	247	273
Percent Difference[3]	2.8%	2.8%	2.6%	2.2%	1.9%	1.5%	1.3%	1.3%	1.3%	1.6%	2.1%	2.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative A	13,141	13,195	13,264	13,218	13,970	14,536	15,248	15,383	15,284	14,760	14,245	13,616
Difference	76	84	75	101	79	44	31	28	28	29	28	44
Percent Difference	0.6%	0.6%	0.6%	0.8%	0.6%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative A	12,322	12,309	12,473	12,136	12,905	13,749	14,491	14,531	14,423	13,852	13,233	12,613
Difference	293	312	332	394	370	332	305	293	297	258	280	330
Percent Difference	2.4%	2.6%	2.7%	3.4%	2.9%	2.5%	2.2%	2.1%	2.1%	1.9%	2.2%	2.7%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative A	10,505	10,686	11,094	10,965	11,368	11,872	12,768	12,722	12,524	11,899	11,217	10,642
Difference	253	255	206	270	255	241	209	206	207	249	280	291
Percent Difference	2.5%	2.4%	1.9%	2.5%	2.3%	2.1%	1.7%	1.6%	1.7%	2.1%	2.6%	2.8%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative A	9,691	9,760	10,358	11,041	11,492	12,162	12,842	12,615	12,320	11,505	10,673	10,041
Difference	371	382	370	249	230	171	144	162	162	164	290	325
Percent Difference	4.0%	4.1%	3.7%	2.3%	2.0%	1.4%	1.1%	1.3%	1.3%	1.4%	2.8%	3.3%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative A	6,706	6,738	6,939	8,695	8,961	9,409	9,798	9,655	9,511	8,680	7,719	7,136
Difference	683	698	626	364	355	322	323	321	323	497	582	614
Percent Difference	11.3%	11.6%	9.9%	4.4%	4.1%	3.5%	3.4%	3.4%	3.5%	6.1%	8.2%	9.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-03-3b
Trinity Lake, End of Month Area
Probability of Exceedance

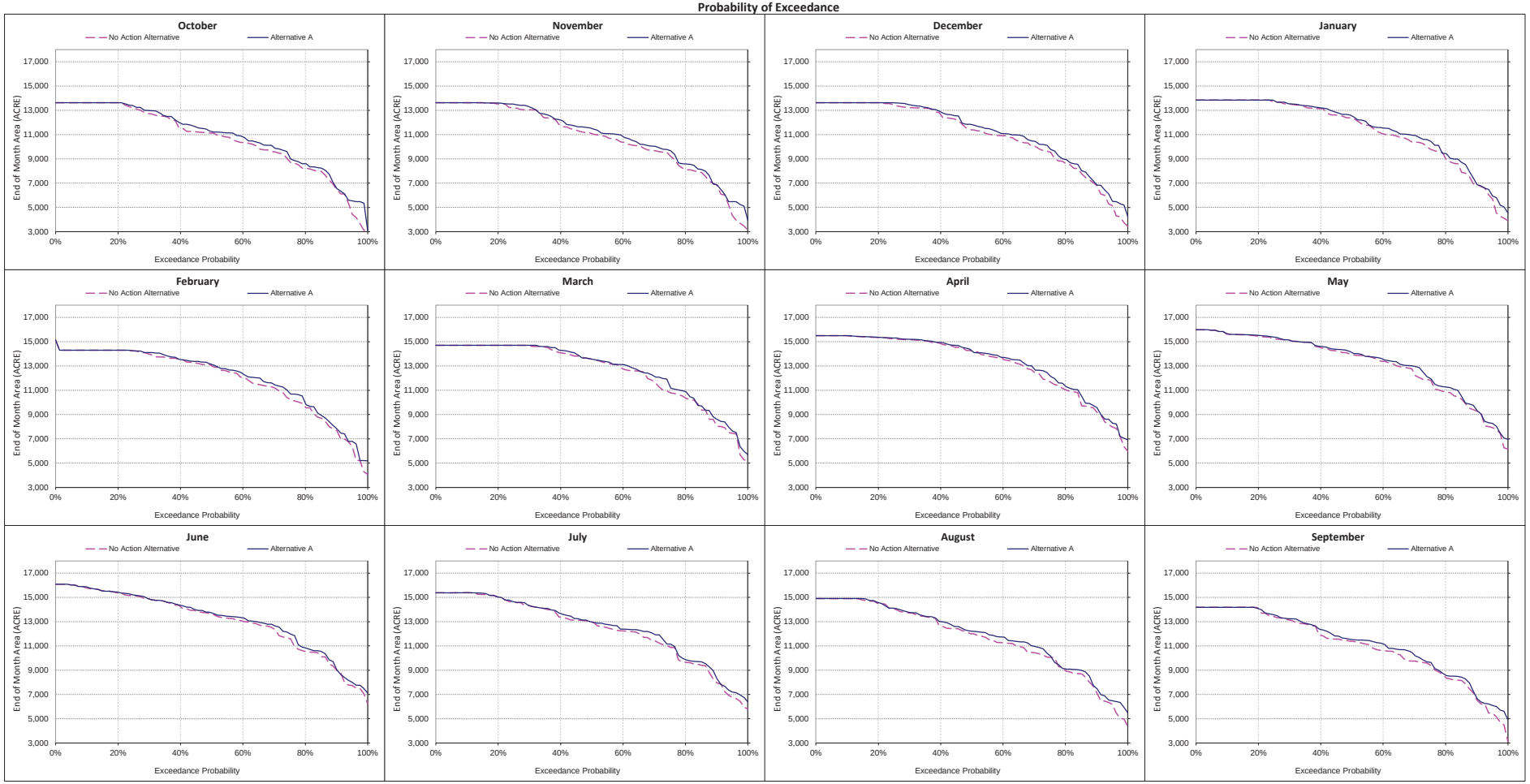

Table SW-03-3b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,537	104	0.8%
23.5%	13,316	13,433	117	0.9%
24.7%	13,198	13,391	192	1.5%
25.9%	13,095	13,233	139	1.1%
27.2%	13,015	13,233	218	1.7%
28.4%	12,826	13,008	182	1.4%
29.6%	12,735	12,978	243	1.9%
30.9%	12,689	12,964	276	2.2%
32.1%	12,584	12,946	362	2.9%
33.3%	12,522	12,785	263	2.1%
34.6%	12,513	12,584	71	0.6%
35.8%	12,455	12,492	37	0.3%
37.0%	12,208	12,491	283	2.3%
38.3%	12,186	12,205	19	0.2%
39.5%	11,561	12,008	447	3.9%
40.7%	11,512	11,861	349	3.0%
42.0%	11,274	11,853	579	5.1%
43.2%	11,257	11,795	538	4.8%
44.4%	11,243	11,685	442	3.9%
45.7%	11,209	11,560	351	3.1%
46.9%	11,188	11,512	324	2.9%
48.1%	11,159	11,464	305	2.7%
49.4%	11,129	11,300	171	1.5%
50.6%	11,119	11,206	86	0.8%
51.9%	10,941	11,202	261	2.4%
53.1%	10,897	11,180	283	2.6%
54.3%	10,807	11,146	339	3.1%
55.6%	10,780	11,145	365	3.4%
56.8%	10,560	11,119	559	5.3%
58.0%	10,448	10,932	484	4.6%
59.3%	10,357	10,877	520	5.0%
60.5%	10,355	10,764	409	3.9%
61.7%	10,290	10,482	192	1.9%
63.0%	10,214	10,478	264	2.6%
64.2%	10,075	10,392	318	3.2%
65.4%	9,799	10,310	512	5.2%
66.7%	9,746	10,135	389	4.0%
67.9%	9,736	10,117	380	3.9%
69.1%	9,601	10,109	508	5.3%
70.4%	9,570	9,861	291	3.0%
71.6%	9,472	9,825	354	3.7%
72.8%	9,431	9,721	290	3.1%
74.1%	9,054	9,610	556	6.1%
75.3%	8,699	8,973	275	3.2%
76.5%	8,658	8,850	192	2.2%
77.8%	8,507	8,761	254	3.0%
79.0%	8,242	8,602	359	4.4%
80.2%	8,231	8,591	359	4.4%
81.5%	8,169	8,342	173	2.1%
82.7%	8,058	8,337	279	3.5%
84.0%	7,986	8,275	289	3.6%
85.2%	7,965	8,224	260	3.3%
86.4%	7,642	8,066	424	5.5%
87.7%	7,259	7,747	488	6.7%
88.9%	6,913	7,048	135	1.9%
90.1%	6,463	6,535	72	1.1%
91.4%	6,120	6,337	218	3.6%
92.6%	6,101	6,120	18	0.3%
93.8%	5,334	5,598	264	5.0%
95.1%	4,426	5,530	1,104	24.9%
96.3%	4,168	5,471	1,304	31.3%
97.5%	3,652	5,471	1,820	49.8%
98.8%	3,120	5,350	2,230	71.5%
100.0%	3,120	3,120	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,604	13,609	5	0.0%
17.3%	13,596	13,604	8	0.1%
18.5%	13,579	13,603	23	0.2%
19.8%	13,525	13,596	70	0.5%
21.0%	13,525	13,579	55	0.4%
22.2%	13,512	13,547	35	0.3%
23.5%	13,242	13,530	287	2.2%
24.7%	13,192	13,516	324	2.5%
25.9%	13,188	13,461	272	2.1%
27.2%	13,070	13,423	353	2.7%
28.4%	13,049	13,413	364	2.8%
29.6%	13,047	13,327	279	2.1%
30.9%	13,041	13,208	167	1.3%
32.1%	13,037	13,034	-3	0.0%
33.3%	12,746	12,746	0	0.0%
34.6%	12,406	12,696	291	2.3%
35.8%	12,369	12,620	251	2.0%
37.0%	12,344	12,500	156	1.3%
38.3%	12,237	12,281	44	0.4%
39.5%	11,839	12,234	395	3.3%
40.7%	11,648	12,130	482	4.1%
42.0%	11,625	11,828	203	1.7%
43.2%	11,476	11,796	320	2.8%
44.4%	11,422	11,722	300	2.6%
45.7%	11,296	11,634	338	3.0%
46.9%	11,214	11,632	418	3.7%
48.1%	11,152	11,598	446	4.0%
49.4%	11,137	11,560	423	3.8%
50.6%	11,023	11,438	415	3.8%
51.9%	10,970	11,362	392	3.6%
53.1%	10,910	11,114	205	1.9%
54.3%	10,861	11,083	222	2.0%
55.6%	10,688	11,071	383	3.6%
56.8%	10,669	11,054	385	3.6%
58.0%	10,585	11,013	428	4.0%
59.3%	10,396	10,980	584	5.6%
60.5%	10,347	10,749	402	3.9%
61.7%	10,202	10,680	478	4.7%
63.0%	10,123	10,523	400	3.9%
64.2%	10,089	10,412	323	3.2%
65.4%	10,075	10,201	126	1.2%
66.7%	9,874	10,177	303	3.1%
67.9%	9,737	10,102	364	3.7%
69.1%	9,707	10,050	343	3.5%
70.4%	9,663	10,029	366	3.8%
71.6%	9,598	9,913	315	3.3%
72.8%	9,542	9,788	247	2.6%
74.1%	9,539	9,766	227	2.4%
75.3%	9,203	9,664	460	5.0%
76.5%	8,953	9,372	419	4.7%
77.8%	8,470	8,658	188	2.2%
79.0%	8,245	8,593	348	4.2%
80.2%	8,103	8,585	482	6.0%
81.5%	8,101	8,565	463	5.7%
82.7%	8,011	8,479	468	5.8%
84.0%	7,943	8,160	217	2.7%
85.2%	7,882	8,123	240	3.1%
86.4%	7,546	7,970	425	5.6%
87.7%	7,155	7,643	488	6.8%
88.9%	6,983	6,934	-49	-0.7%
90.1%	6,840	6,858	18	0.3%
91.4%	6,081	6,474	393	6.5%
92.6%	6,031	6,081	50	0.8%
93.8%	5,218	5,471	254	4.9%
95.1%	4,329	5,471	1,143	26.4%
96.3%	3,940	5,471	1,531	38.9%
97.5%	3,686	5,234	1,547	42.0%
98.8%	3,471	5,104	1,632	47.0%
100.0%	3,120	3,940	820	26.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,625	70	0.5%
24.7%	13,478	13,625	147	1.1%
25.9%	13,373	13,613	240	1.8%
27.2%	13,304	13,581	276	2.1%
28.4%	13,254	13,560	305	2.3%
29.6%	13,234	13,483	249	1.9%
30.9%	13,214	13,419	205	1.6%
32.1%	13,198	13,375	177	1.3%
33.3%	13,195	13,348	153	1.2%
34.6%	13,174	13,266	92	0.7%
35.8%	13,168	13,214	46	0.3%
37.0%	13,130	13,096	-34	-0.3%
38.3%	12,884	13,071	188	1.5%
39.5%	12,808	12,950	142	1.1%
40.7%	12,394	12,778	384	3.1%
42.0%	12,383	12,660	277	2.2%
43.2%	12,339	12,643	304	2.5%
44.4%	12,282	12,552	270	2.2%
45.7%	12,147	12,529	381	3.1%
46.9%	11,843	11,926	84	0.7%
48.1%	11,541	11,855	314	2.7%
49.4%	11,401	11,845	444	3.9%
50.6%	11,375	11,781	406	3.6%
51.9%	11,307	11,676	368	3.3%
53.1%	11,298	11,610	312	2.8%
54.3%	11,099	11,512	413	3.7%
55.6%	11,025	11,479	454	4.1%
56.8%	10,992	11,386	395	3.6%
58.0%	10,927	11,256	329	3.0%
59.3%	10,917	11,097	181	1.7%
60.5%	10,917	11,086	169	1.5%
61.7%	10,788	11,061	273	2.5%
63.0%	10,747	10,972	226	2.1%
64.2%	10,536	10,971	434	4.1%
65.4%	10,427	10,960	533	5.1%
66.7%	10,329	10,848	519	5.0%
67.9%	10,306	10,583	277	2.7%
69.1%	10,056	10,486	430	4.3%
70.4%	10,018	10,441	423	4.2%
71.6%	9,816	10,198	383	3.9%
72.8%	9,690	10,180	490	5.1%
74.1%	9,643	10,120	477	4.9%
75.3%	9,535	9,784	249	2.6%
76.5%	9,014	9,643	628	7.0%
77.8%	8,835	9,233	398	4.5%
79.0%	8,798	9,003	206	2.3%
80.2%	8,590	8,933	343	4.0%
81.5%	8,519	8,685	165	1.9%
82.7%	8,212	8,588	376	4.6%
84.0%	8,211	8,559	348	4.2%
85.2%	7,777	8,019	242	3.1%
86.4%	7,478	7,903	424	5.7%
87.7%	7,260	7,537	277	3.8%
88.9%	7,049	7,176	127	1.8%
90.1%	6,775	6,852	77	1.1%
91.4%	6,105	6,827	723	11.8%
92.6%	5,992	6,440	448	7.5%
93.8%	5,295	6,105	809	15.3%
95.1%	5,141	5,495	354	6.9%
96.3%	4,295	5,471	1,177	27.4%
97.5%	4,228	5,293	1,065	25.2%
98.8%	3,727	5,199	1,472	39.5%
100.0%	3,434	4,228	794	23.1%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,850	141	1.0%
25.9%	13,675	13,675	0	0.0%
27.2%	13,654	13,668	14	0.1%
28.4%	13,535	13,667	132	1.0%
29.6%	13,512	13,531	19	0.1%
30.9%	13,488	13,520	32	0.2%
32.1%	13,436	13,501	65	0.5%
33.3%	13,434	13,438	4	0.0%
34.6%	13,328	13,402	74	0.6%
35.8%	13,194	13,374	180	1.4%
37.0%	13,181	13,331	149	1.1%
38.3%	13,151	13,256	105	0.8%
39.5%	13,138	13,218	79	0.6%
40.7%	13,125	13,178	54	0.4%
42.0%	12,782	13,138	357	2.8%
43.2%	12,633	12,977	343	2.7%
44.4%	12,614	12,878	264	2.1%
45.7%	12,588	12,782	193	1.5%
46.9%	12,526	12,672	146	1.2%
48.1%	12,393	12,655	263	2.1%
49.4%	12,378	12,622	244	2.0%
50.6%	12,312	12,440	128	1.0%
51.9%	12,110	12,212	102	0.8%
53.1%	11,893	12,201	308	2.6%
54.3%	11,782	12,107	325	2.8%
55.6%	11,759	11,795	36	0.3%
56.8%	11,506	11,635	129	1.1%
58.0%	11,270	11,600	329	2.9%
59.3%	11,117	11,573	456	4.1%
60.5%	11,019	11,524	505	4.6%
61.7%	10,995	11,504	509	4.6%
63.0%	10,968	11,358	390	3.6%
64.2%	10,883	11,259	376	3.5%
65.4%	10,781	11,053	273	2.5%
66.7%	10,725	11,042	317	3.0%
67.9%	10,596	11,011	415	3.9%
69.1%	10,394	10,951	557	5.4%
70.4%	10,377	10,937	559	5.4%
71.6%	10,355	10,761	406	3.9%
72.8%	10,258	10,599	341	3.3%
74.1%	9,973	10,587	614	6.2%
75.3%	9,776	10,442	666	6.8%
76.5%	9,665	10,126	462	4.8%
77.8%	9,574	10,114	540	5.6%
79.0%	9,526	9,456	-70	-0.7%
80.2%	8,906	9,436	530	5.9%
81.5%	8,756	9,042	286	3.3%
82.7%	8,629	8,977	348	4.0%
84.0%	8,601	8,975	374	4.4%
85.2%	7,885	8,695	811	10.3%
86.4%	7,818	8,542	723	9.3%
87.7%	7,541	7,966	424	5.6%
88.9%	6,942	7,430	488	7.0%
90.1%	6,872	6,872	0	0.0%
91.4%	6,720	6,772	52	0.8%
92.6%	6,599	6,595	-4	-0.1%
93.8%	6,033	6,475	442	7.3%
95.1%	5,695	5,953	257	4.5%
96.3%	4,551	5,785	1,235	27.1%
97.5%	4,271	5,175	904	21.2%
98.8%	4,111	5,034	923	22.4%
100.0%	3,895	4,551	656	16.8%

Table SW-03-3b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,259	14,300	41	0.3%
24.7%	14,244	14,259	15	0.1%
25.9%	14,232	14,244	12	0.1%
27.2%	14,106	14,232	126	0.9%
28.4%	14,096	14,116	20	0.1%
29.6%	14,006	14,105	99	0.7%
30.9%	13,913	14,100	187	1.3%
32.1%	13,758	14,073	315	2.3%
33.3%	13,742	14,064	322	2.3%
34.6%	13,739	13,938	199	1.4%
35.8%	13,663	13,832	169	1.2%
37.0%	13,640	13,739	99	0.7%
38.3%	13,640	13,721	81	0.6%
39.5%	13,566	13,559	-7	-0.1%
40.7%	13,524	13,510	-14	-0.1%
42.0%	13,330	13,466	136	1.0%
43.2%	13,300	13,399	99	0.7%
44.4%	13,245	13,380	135	1.0%
45.7%	13,224	13,371	147	1.1%
46.9%	13,126	13,313	187	1.4%
48.1%	13,118	13,308	189	1.4%
49.4%	13,116	13,185	70	0.5%
50.6%	12,922	13,073	151	1.2%
51.9%	12,884	12,922	38	0.3%
53.1%	12,636	12,776	140	1.1%
54.3%	12,628	12,774	146	1.2%
55.6%	12,504	12,668	164	1.3%
56.8%	12,457	12,655	198	1.6%
58.0%	12,389	12,579	190	1.5%
59.3%	12,071	12,483	411	3.4%
60.5%	12,069	12,256	187	1.5%
61.7%	11,834	12,105	271	2.3%
63.0%	11,593	12,074	481	4.2%
64.2%	11,532	12,034	501	4.3%
65.4%	11,450	12,001	551	4.8%
66.7%	11,395	11,705	310	2.7%
67.9%	11,320	11,627	307	2.7%
69.1%	11,288	11,612	324	2.9%
70.4%	11,174	11,438	265	2.4%
71.6%	10,937	11,344	407	3.7%
72.8%	10,803	11,268	465	4.3%
74.1%	10,409	11,029	620	6.0%
75.3%	10,218	10,687	470	4.6%
76.5%	10,112	10,686	574	5.7%
77.8%	10,031	10,631	601	6.0%
79.0%	9,924	10,538	614	6.2%
80.2%	9,554	9,807	253	2.6%
81.5%	9,551	9,680	129	1.4%
82.7%	9,074	9,638	565	6.2%
84.0%	8,780	9,128	348	4.0%
85.2%	8,698	8,918	219	2.5%
86.4%	8,428	8,723	295	3.5%
87.7%	8,004	8,424	420	5.3%
88.9%	7,824	8,094	271	3.5%
90.1%	7,672	7,824	152	2.0%
91.4%	6,985	7,468	483	6.9%
92.6%	6,980	7,417	437	6.3%
93.8%	6,747	6,799	52	0.8%
95.1%	6,362	6,790	429	6.7%
96.3%	5,226	6,584	1,358	26.0%
97.5%	5,207	5,207	0	0.0%
98.8%	4,282	5,207	925	21.6%
100.0%	4,070	5,186	1,116	27.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,700	14,700	0	0.0%
29.6%	14,700	14,700	0	0.0%
30.9%	14,614	14,700	86	0.6%
32.1%	14,611	14,700	89	0.6%
33.3%	14,606	14,614	8	0.1%
34.6%	14,577	14,606	28	0.2%
35.8%	14,516	14,597	81	0.6%
37.0%	14,332	14,516	184	1.3%
38.3%	14,224	14,503	278	2.0%
39.5%	14,096	14,300	204	1.4%
40.7%	14,056	14,277	221	1.6%
42.0%	13,998	14,224	226	1.6%
43.2%	13,918	14,152	234	1.7%
44.4%	13,817	14,077	261	1.9%
45.7%	13,815	13,882	67	0.5%
46.9%	13,701	13,662	-40	-0.3%
48.1%	13,649	13,647	-2	0.0%
49.4%	13,587	13,604	17	0.1%
50.6%	13,516	13,524	8	0.1%
51.9%	13,468	13,460	-7	-0.1%
53.1%	13,345	13,419	74	0.6%
54.3%	13,265	13,379	113	0.9%
55.6%	13,191	13,321	130	1.0%
56.8%	13,139	13,150	11	0.1%
58.0%	13,134	13,118	-16	-0.1%
59.3%	12,858	13,116	259	2.0%
60.5%	12,706	13,107	402	3.2%
61.7%	12,633	13,004	371	2.9%
63.0%	12,600	12,837	237	1.9%
64.2%	12,596	12,734	138	1.1%
65.4%	12,567	12,560	-7	-0.1%
66.7%	12,508	12,437	-70	-0.6%
67.9%	11,969	12,419	450	3.8%
69.1%	11,844	12,278	434	3.7%
70.4%	11,623	12,089	465	4.0%
71.6%	11,266	12,072	805	7.1%
72.8%	11,005	11,962	957	8.7%
74.1%	10,946	11,915	970	8.9%
75.3%	10,781	11,171	390	3.6%
76.5%	10,722	11,086	364	3.4%
77.8%	10,641	11,024	383	3.6%
79.0%	10,530	10,959	430	4.1%
80.2%	10,333	10,867	534	5.2%
81.5%	10,216	10,458	242	2.4%
82.7%	10,186	10,346	160	1.6%
84.0%	9,877	9,760	-117	-1.2%
85.2%	9,370	9,693	323	3.4%
86.4%	9,368	9,366	-2	0.0%
87.7%	8,606	9,335	729	8.5%
88.9%	8,604	8,825	221	2.6%
90.1%	8,028	8,604	576	7.2%
91.4%	8,018	8,444	426	5.3%
92.6%	7,916	8,402	486	6.1%
93.8%	7,517	7,963	445	5.9%
95.1%	7,460	7,648	189	2.5%
96.3%	7,397	7,512	115	1.5%
97.5%	5,688	6,365	677	11.9%
98.8%	5,272	5,985	713	13.5%
100.0%	5,206	5,688	482	9.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,459	15,500	41	0.3%
12.3%	15,433	15,453	20	0.1%
13.6%	15,433	15,433	0	0.0%
14.8%	15,412	15,427	15	0.1%
16.0%	15,402	15,412	10	0.1%
17.3%	15,375	15,402	27	0.2%
18.5%	15,363	15,369	7	0.0%
19.8%	15,353	15,363	9	0.1%
21.0%	15,345	15,361	16	0.1%
22.2%	15,336	15,330	-6	0.0%
23.5%	15,265	15,317	52	0.3%
24.7%	15,235	15,302	67	0.4%
25.9%	15,203	15,296	94	0.6%
27.2%	15,199	15,235	36	0.2%
28.4%	15,173	15,215	41	0.3%
29.6%	15,170	15,201	30	0.2%
30.9%	15,155	15,199	44	0.3%
32.1%	15,132	15,173	42	0.3%
33.3%	15,121	15,170	49	0.3%
34.6%	15,064	15,121	57	0.4%
35.8%	15,061	15,064	3	0.0%
37.0%	14,946	15,055	109	0.7%
38.3%	14,913	14,963	50	0.3%
39.5%	14,896	14,946	49	0.3%
40.7%	14,766	14,922	156	1.1%
42.0%	14,705	14,806	101	0.7%
43.2%	14,681	14,736	55	0.4%
44.4%	14,552	14,713	160	1.1%
45.7%	14,534	14,676	142	1.0%
46.9%	14,509	14,534	25	0.2%
48.1%	14,287	14,459	172	1.2%
49.4%	14,277	14,389	112	0.8%
50.6%	14,176	14,111	-64	-0.5%
51.9%	14,153	14,091	-62	-0.4%
53.1%	13,932	14,079	146	1.1%
54.3%	13,908	14,049	141	1.0%
55.6%	13,802	14,006	204	1.5%
56.8%	13,753	13,915	163	1.2%
58.0%	13,688	13,891	203	1.5%
59.3%	13,679	13,716	37	0.3%
60.5%	13,505	13,696	191	1.4%
61.7%	13,452	13,628	176	1.3%
63.0%	13,391	13,536	146	1.1%
64.2%	13,226	13,502	276	2.1%
65.4%	13,146	13,484	338	2.6%
66.7%	12,981	13,219	238	1.8%
67.9%	12,769	13,031	262	2.1%
69.1%	12,684	13,015	331	2.6%
70.4%	12,397	12,653	256	2.1%
71.6%	12,336	12,651	315	2.6%
72.8%	11,915	12,612	697	5.8%
74.1%	11,858	12,454	596	5.0%
75.3%	11,653	12,141	488	4.2%
76.5%	11,463	11,972	510	4.4%
77.8%	11,410	11,608	198	1.7%
79.0%	11,163	11,572	409	3.7%
80.2%	11,020	11,281	260	2.4%
81.5%	10,903	11,160	256	2.3%
82.7%	10,875	11,068	193	1.8%
84.0%	10,808	11,045	237	2.2%
85.2%	9,716	10,518	802	8.3%
86.4%	9,697	9,937	241	2.5%
87.7%	9,615	9,919	303	3.2%
88.9%	9,564	9,748	184	1.9%
90.1%	9,189	9,579	390	4.2%
91.4%	8,971	9,023	51	0.6%
92.6%	8,403	8,621	219	2.6%
93.8%	8,182	8,597	415	5.1%
95.1%	7,966	8,292	326	4.1%
96.3%	7,853	8,213	360	4.6%
97.5%	7,196	7,196	0	0.0%
98.8%	6,338	7,041	703	11.1%
100.0%	5,979	6,914	935	15.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,980	15,980	0	0.0%
1.2%	15,980	15,980	0	0.0%
2.5%	15,980	15,980	0	0.0%
3.7%	15,980	15,980	0	0.0%
4.9%	15,944	15,944	0	0.0%
6.2%	15,941	15,941	0	0.0%
7.4%	15,843	15,837	-6	0.0%
8.6%	15,835	15,835	0	0.0%
9.9%	15,619	15,658	40	0.3%
11.1%	15,601	15,613	12	0.1%
12.3%	15,592	15,601	9	0.1%
13.6%	15,582	15,595	13	0.1%
14.8%	15,572	15,582	10	0.1%
16.0%	15,571	15,571	0	0.0%
17.3%	15,541	15,566	25	0.2%
18.5%	15,502	15,565	63	0.4%
19.8%	15,466	15,541	75	0.5%
21.0%	15,404	15,502	99	0.6%
22.2%	15,395	15,466	71	0.5%
23.5%	15,386	15,435	49	0.3%
24.7%	15,238	15,386	148	1.0%
25.9%	15,215	15,357	141	0.9%
27.2%	15,185	15,238	53	0.3%
28.4%	15,160	15,157	-3	0.0%
29.6%	15,157	15,153	-3	0.0%
30.9%	15,038	15,038	0	0.0%
32.1%	15,033	15,033	0	0.0%
33.3%	14,993	14,993	0	0.0%
34.6%	14,952	14,957	5	0.0%
35.8%	14,949	14,952	3	0.0%
37.0%	14,931	14,929	-2	0.0%
38.3%	14,610	14,675	65	0.4%
39.5%	14,543	14,610	67	0.5%
40.7%	14,458	14,600	142	1.0%
42.0%	14,431	14,543	112	0.8%
43.2%	14,286	14,426	140	1.0%
44.4%	14,265	14,385	120	0.8%
45.7%	14,240	14,364	124	0.9%
46.9%	14,108	14,347	240	1.7%
48.1%	14,097	14,300	203	1.4%
49.4%	13,986	14,196	210	1.5%
50.6%	13,901	14,016	116	0.8%
51.9%	13,871	14,010	139	1.0%
53.1%	13,867	13,951	84	0.6%
54.3%	13,807	13,785	-22	-0.2%
55.6%	13,797	13,762	-35	-0.3%
56.8%	13,668	13,732	65	0.5%
58.0%	13,578	13,696	118	0.9%
59.3%	13,390	13,640	250	1.9%
60.5%	13,374	13,496	122	0.9%
61.7%	13,268	13,447	179	1.3%
63.0%	13,203	13,369	166	1.3%
64.2%	13,021	13,348	327	2.5%
65.4%	12,934	13,144	210	1.6%
66.7%	12,899	13,048	149	1.2%
67.9%	12,829	13,032	202	1.6%
69.1%	12,786	13,014	228	1.8%
70.4%	12,199	12,954	755	6.2%
71.6%	12,033	12,862	829	6.9%
72.8%	11,885	12,490	605	5.1%
74.1%	11,883	12,110	226	1.9%
75.3%	11,821	11,939	118	1.0%
76.5%	11,081	11,493	412	3.7%
77.8%	11,030	11,361	331	3.0%
79.0%	10,921	11,297	376	3.4%
80.2%	10,867	11,255	387	3.6%
81.5%	10,800	11,220	420	3.9%
82.7%	10,546	11,077	531	5.0%
84.0%	10,447	11,012	565	5.4%
85.2%	10,264	10,500	236	2.3%
86.4%	9,887	9,934	47	0.5%
87.7%	9,514	9,868	354	3.7%
88.9%	9,407	9,766	359	3.8%
90.1%	9,274	9,308	34	0.4%
91.4%	9,175	9,050	-126	-1.4%
92.6%	8,052	8,446	395	4.9%
93.8%	8,011	8,333	321	4.0%
95.1%	7,918	8,269	351	4.4%
96.3%	7,777	8,026	249	3.2%
97.5%	7,451	7,451	0	0.0%
98.8%	6,256	7,072	816	13.0%
100.0%	6,157	6,957	800	13.0%

Table SW-03-3b

Trinity Lake, End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,026	0	0.0%
6.2%	16,021	16,021	0	0.0%
7.4%	15,903	15,903	0	0.0%
8.6%	15,888	15,888	0	0.0%
9.9%	15,770	15,866	96	0.6%
11.1%	15,710	15,770	59	0.4%
12.3%	15,696	15,704	8	0.1%
13.6%	15,661	15,661	0	0.0%
14.8%	15,559	15,532	-28	-0.2%
16.0%	15,518	15,516	-2	0.0%
17.3%	15,516	15,512	-4	0.0%
18.5%	15,438	15,469	31	0.2%
19.8%	15,372	15,438	66	0.4%
21.0%	15,358	15,364	6	0.0%
22.2%	15,203	15,345	142	0.9%
23.5%	15,157	15,298	141	0.9%
24.7%	15,146	15,203	57	0.4%
25.9%	15,116	15,156	40	0.3%
27.2%	15,049	15,116	66	0.4%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,898	-6	0.0%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,594	14,592	-2	0.0%
37.0%	14,472	14,569	97	0.7%
38.3%	14,371	14,449	78	0.5%
39.5%	14,349	14,379	30	0.2%
40.7%	14,075	14,305	229	1.6%
42.0%	14,062	14,199	137	1.0%
43.2%	13,932	14,172	240	1.7%
44.4%	13,926	14,000	74	0.5%
45.7%	13,833	13,932	99	0.7%
46.9%	13,765	13,926	161	1.2%
48.1%	13,735	13,800	65	0.5%
49.4%	13,667	13,782	115	0.8%
50.6%	13,579	13,675	96	0.7%
51.9%	13,425	13,534	109	0.8%
53.1%	13,351	13,517	166	1.2%
54.3%	13,309	13,465	156	1.2%
55.6%	13,276	13,429	153	1.2%
56.8%	13,243	13,414	171	1.3%
58.0%	13,124	13,393	270	2.1%
59.3%	13,092	13,343	251	1.9%
60.5%	13,000	13,272	271	2.1%
61.7%	12,971	13,058	87	0.7%
63.0%	12,895	13,040	145	1.1%
64.2%	12,836	13,010	174	1.4%
65.4%	12,703	12,948	245	1.9%
66.7%	12,641	12,876	235	1.9%
67.9%	12,636	12,798	162	1.3%
69.1%	12,535	12,797	261	2.1%
70.4%	12,334	12,644	309	2.5%
71.6%	11,841	12,547	705	6.0%
72.8%	11,738	12,208	470	4.0%
74.1%	11,684	12,144	460	3.9%
75.3%	11,574	11,974	400	3.5%
76.5%	10,959	11,856	896	8.2%
77.8%	10,726	11,092	366	3.4%
79.0%	10,616	10,911	295	2.8%
80.2%	10,516	10,824	308	2.9%
81.5%	10,490	10,713	223	2.1%
82.7%	10,488	10,612	124	1.2%
84.0%	10,447	10,605	159	1.5%
85.2%	10,105	10,537	432	4.3%
86.4%	10,100	10,344	244	2.4%
87.7%	9,509	9,866	357	3.8%
88.9%	9,344	9,700	356	3.8%
90.1%	8,974	9,008	34	0.4%
91.4%	8,770	8,645	-125	-1.4%
92.6%	7,969	8,402	433	5.4%
93.8%	7,779	8,157	378	4.9%
95.1%	7,741	7,999	259	3.3%
96.3%	7,515	7,763	248	3.3%
97.5%	7,482	7,761	280	3.7%
98.8%	7,064	7,482	418	5.9%
100.0%	6,233	7,123	890	14.3%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,344	15,380	36	0.2%
13.6%	15,254	15,375	121	0.8%
14.8%	15,241	15,367	126	0.8%
16.0%	15,232	15,320	88	0.6%
17.3%	15,174	15,168	-6	0.0%
18.5%	15,165	15,165	0	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,786	-13	-0.1%
23.5%	14,659	14,786	126	0.9%
24.7%	14,585	14,659	75	0.5%
25.9%	14,569	14,585	16	0.1%
27.2%	14,568	14,579	11	0.1%
28.4%	14,354	14,568	214	1.5%
29.6%	14,342	14,348	6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,139	0	0.0%
34.6%	14,100	14,100	0	0.0%
35.8%	13,990	14,099	109	0.8%
37.0%	13,968	13,965	-2	0.0%
38.3%	13,807	13,919	112	0.8%
39.5%	13,371	13,710	339	2.5%
40.7%	13,357	13,613	257	1.9%
42.0%	13,260	13,511	251	1.9%
43.2%	13,139	13,446	307	2.3%
44.4%	13,118	13,260	142	1.1%
45.7%	13,115	13,241	126	1.0%
46.9%	13,105	13,139	34	0.3%
48.1%	13,076	13,129	53	0.4%
49.4%	12,974	13,009	35	0.3%
50.6%	12,927	12,940	13	0.1%
51.9%	12,654	12,874	220	1.7%
53.1%	12,613	12,867	254	2.0%
54.3%	12,545	12,797	252	2.0%
55.6%	12,449	12,753	304	2.4%
56.8%	12,377	12,682	304	2.5%
58.0%	12,287	12,670	383	3.1%
59.3%	12,241	12,393	153	1.2%
60.5%	12,224	12,384	160	1.3%
61.7%	12,213	12,354	141	1.2%
63.0%	12,167	12,345	178	1.5%
64.2%	12,136	12,339	203	1.7%
65.4%	11,978	12,283	305	2.5%
66.7%	11,714	12,192	478	4.1%
67.9%	11,692	12,181	489	4.2%
69.1%	11,460	12,088	628	5.5%
70.4%	11,406	11,917	512	4.5%
71.6%	11,234	11,908	674	6.0%
72.8%	11,093	11,538	445	4.0%
74.1%	11,036	11,169	134	1.2%
75.3%	10,881	11,152	271	2.5%
76.5%	10,877	10,940	63	0.6%
77.8%	9,845	10,230	385	3.9%
79.0%	9,696	9,987	291	3.0%
80.2%	9,645	9,848	203	2.1%
81.5%	9,613	9,771	158	1.6%
82.7%	9,512	9,735	224	2.4%
84.0%	9,495	9,701	206	2.2%
85.2%	9,394	9,692	298	3.2%
86.4%	9,372	9,537	165	1.8%
87.7%	8,802	9,287	485	5.5%
88.9%	8,271	8,990	719	8.7%
90.1%	7,941	8,304	364	4.6%
91.4%	7,875	7,814	-61	-0.8%
92.6%	7,233	7,672	438	6.1%
93.8%	6,944	7,360	416	6.0%
95.1%	6,754	7,206	452	6.7%
96.3%	6,656	7,140	484	7.3%
97.5%	6,447	6,970	523	8.1%
98.8%	5,954	6,754	800	13.4%
100.0%	5,802	6,392	589	10.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,882	14,900	18	0.1%
14.8%	14,790	14,900	110	0.7%
16.0%	14,742	14,856	114	0.8%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,736	45	0.3%
19.8%	14,511	14,591	80	0.5%
21.0%	14,502	14,511	10	0.1%
22.2%	14,436	14,302	-135	-0.9%
23.5%	14,108	14,109	1	0.0%
24.7%	14,071	14,108	37	0.3%
25.9%	13,974	14,082	108	0.8%
27.2%	13,812	13,959	147	1.1%
28.4%	13,804	13,858	55	0.4%
29.6%	13,725	13,805	81	0.6%
30.9%	13,706	13,725	18	0.1%
32.1%	13,565	13,724	159	1.2%
33.3%	13,471	13,565	94	0.7%
34.6%	13,436	13,471	35	0.3%
35.8%	13,379	13,408	29	0.2%
37.0%	13,296	13,407	111	0.8%
38.3%	13,296	13,294	-2	0.0%
39.5%	12,684	13,031	346	2.7%
40.7%	12,600	12,986	386	3.1%
42.0%	12,456	12,926	470	3.8%
43.2%	12,430	12,775	345	2.8%
44.4%	12,430	12,601	171	1.4%
45.7%	12,406	12,600	194	1.6%
46.9%	12,255	12,456	201	1.6%
48.1%	12,201	12,298	96	0.8%
49.4%	12,014	12,235	221	1.8%
50.6%	11,993	12,200	207	1.7%
51.9%	11,873	12,168	295	2.5%
53.1%	11,796	12,133	336	2.9%
54.3%	11,713	12,115	401	3.4%
55.6%	11,509	11,908	399	3.5%
56.8%	11,455	11,867	412	3.6%
58.0%	11,295	11,766	471	4.2%
59.3%	11,277	11,750	473	4.2%
60.5%	11,242	11,726	484	4.3%
61.7%	11,218	11,435	217	1.9%
63.0%	11,205	11,411	206	1.8%
64.2%	10,996	11,370	374	3.4%
65.4%	10,949	11,333	384	3.5%
66.7%	10,848	11,329	481	4.4%
67.9%	10,461	11,249	789	7.5%
69.1%	10,459	11,019	560	5.4%
70.4%	10,434	10,950	516	4.9%
71.6%	10,348	10,855	508	4.9%
72.8%	10,250	10,765	515	5.0%
74.1%	10,078	10,395	316	3.1%
75.3%	10,064	10,163	98	1.0%
76.5%	10,031	9,653	-378	-3.8%
77.8%	9,314	9,461	147	1.6%
79.0%	9,157	9,153	-4	0.0%
80.2%	8,918	9,097	178	2.0%
81.5%	8,856	9,088	232	2.6%
82.7%	8,738	9,073	336	3.8%
84.0%	8,718	9,045	327	3.7%
85.2%	8,695	8,977	282	3.2%
86.4%	8,426	8,845	419	5.0%
87.7%	8,022	8,504	482	6.0%
88.9%	7,699	7,733	34	0.4%
90.1%	7,107	7,472	365	5.1%
91.4%	6,477	6,981	504	7.8%
92.6%	6,452	6,888	436	6.8%
93.8%	6,345	6,533	188	3.0%
95.1%	6,183	6,477	294	4.8%
96.3%	5,471	6,421	949	17.4%
97.5%	5,045	6,352	1,307	25.9%
98.8%	4,970	5,936	966	19.4%
100.0%	4,346	5,471	1,126	25.9%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	14,188	0	0.0%
3.7%	14,188	14,188	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	14,188	14,188	0	0.0%
7.4%	14,188	14,188	0	0.0%
8.6%	14,188	14,188	0	0.0%
9.9%	14,188	14,188	0	0.0%
11.1%	14,188	14,188	0	0.0%
12.3%	14,188	14,188	0	0.0%
13.6%	14,188	14,188	0	0.0%
14.8%	14,188	14,188	0	0.0%
16.0%	14,188	14,188	0	0.0%
17.3%	14,188	14,188	0	0.0%
18.5%	14,188	14,188	0	0.0%
19.8%	14,157	14,104	-53	-0.4%
21.0%	13,703	13,997	293	2.1%
22.2%	13,695	13,703	8	0.1%
23.5%	13,491	13,655	165	1.2%
24.7%	13,444	13,589	145	1.1%
25.9%	13,329	13,491	161	1.2%
27.2%	13,299	13,314	16	0.1%
28.4%	13,237	13,292	55	0.4%
29.6%	13,157	13,241	84	0.6%
30.9%	13,089	13,237	148	1.1%
32.1%	12,910	13,209	299	2.3%
33.3%	12,864	13,044	180	1.4%
34.6%	12,826	12,903	77	0.6%
35.8%	12,767	12,826	59	0.5%
37.0%	12,657	12,738	81	0.6%
38.3%	12,646	12,643	-2	0.0%
39.5%	11,912	12,375	463	3.9%
40.7%	11,831	12,309	478	4.0%
42.0%	11,627	12,213	586	5.0%
43.2%	11,596	12,039	443	3.8%
44.4%	11,559	11,831	272	2.4%
45.7%	11,557	11,815	257	2.2%
46.9%	11,477	11,651	175	1.5%
48.1%	11,461	11,603	142	1.2%
49.4%	11,401	11,558	157	1.4%
50.6%	11,365	11,504	139	1.2%
51.9%	11,300	11,495	195	1.7%
53.1%	11,238	11,488	251	2.2%
54.3%	11,159	11,462	303	2.7%
55.6%	11,094	11,437	342	3.1%
56.8%	10,813	11,363	550	5.1%
58.0%	10,691	11,273	582	5.4%
59.3%	10,631	11,230	599	5.6%
60.5%	10,599	11,114	516	4.9%
61.7%	10,569	10,808	238	2.3%
63.0%	10,556	10,798	242	2.3%
64.2%	10,334	10,730	395	3.8%
65.4%	10,279	10,697	418	4.1%
66.7%	9,930	10,697	766	7.7%
67.9%	9,764	10,598	834	8.5%
69.1%	9,756	10,479	722	7.4%
70.4%	9,744	10,180	436	4.5%
71.6%	9,646	10,059	414	4.3%
72.8%	9,637	9,841	204	2.1%
74.1%	9,585	9,685	100	1.0%
75.3%	9,390	9,640	250	2.7%
76.5%	9,035	9,125	90	1.0%
77.8%	8,859	9,010	152	1.7%
79.0%	8,679	8,774	95	1.1%
80.2%	8,347	8,550	203	2.4%
81.5%	8,278	8,516	238	2.9%
82.7%	8,193	8,501	308	3.8%
84.0%	8,173	8,495	321	3.9%
85.2%	8,152	8,432	280	3.4%
86.4%	7,863	8,283	420	5.3%
87.7%	7,470	7,959	489	6.5%
88.9%	7,138	7,273	135	1.9%
90.1%	6,514	6,641	127	1.9%
91.4%	6,216	6,389	173	2.8%
92.6%	6,207	6,252	45	0.7%
93.8%	5,471	6,216	744	13.6%
95.1%	5,462	6,093	631	11.6%
96.3%	5,150	6,011	861	16.7%
97.5%	4,732	5,707	975	20.6%
98.8%	4,481	5,619	1,137	25.4%
100.0%	3,120	4,918	1,798	57.6%

Table SW-04-3a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative A	373	369	502	656	623	579	561	3,779	2,091	923	450	450
Difference	5	9	-20	1	-22	3	6	0	0	0	0	0
Percent Difference[3]	1.2%	2.4%	-3.8%	0.2%	-3.4%	0.6%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative A	373	300	784	1,416	1,056	1,169	647	4,636	3,318	1,289	450	450
Difference	0	0	-68	4	30	74	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.0%	0.3%	2.9%	6.7%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative A	373	773	621	316	820	300	469	4,462	2,488	1,048	450	450
Difference	0	60	0	0	-11	-136	0	0	0	0	0	0
Percent Difference	0.0%	8.4%	0.0%	0.0%	-1.4%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative A	373	300	300	300	343	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-174	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-33.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative A	373	300	307	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	7	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative A	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	31	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-04-3b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

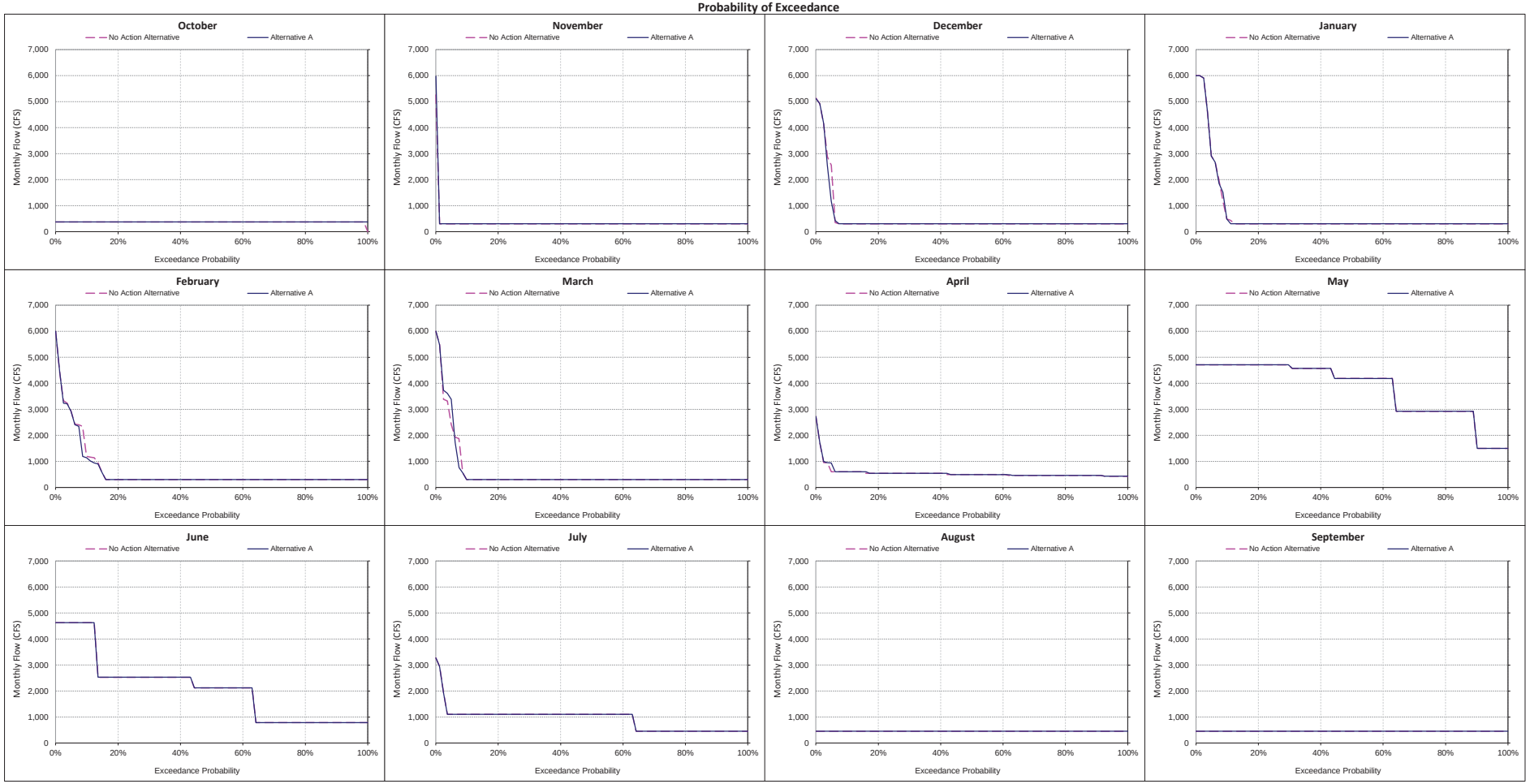

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	0	373	373	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,261	5,979	718	13.7%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,139	5,115	-24	-0.5%
1.2%	4,922	4,922	0	0.0%
2.5%	4,147	4,150	3	0.1%
3.7%	2,872	2,557	-315	-11.0%
4.9%	2,557	1,178	-1,379	-53.9%
6.2%	349	422	72	20.7%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,907	5,907	0	0.0%
3.7%	4,568	4,568	0	0.0%
4.9%	2,908	2,908	0	0.0%
6.2%	2,670	2,670	0	0.0%
7.4%	1,960	1,850	-109	-5.6%
8.6%	1,175	1,510	334	28.4%
9.9%	486	486	0	0.0%
11.1%	432	300	-132	-30.6%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,238	-98	-2.9%
3.7%	3,238	3,217	-21	-0.6%
4.9%	2,931	2,931	0	0.0%
6.2%	2,434	2,407	-27	-1.1%
7.4%	2,407	2,347	-61	-2.5%
8.6%	2,347	1,194	-1,153	-49.1%
9.9%	1,194	1,138	-56	-4.6%
11.1%	1,161	1,024	-137	-11.8%
12.3%	1,138	942	-197	-17.3%
13.6%	942	903	-39	-4.2%
14.8%	583	583	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	5,482	0	0.0%
2.5%	3,386	3,733	347	10.3%
3.7%	3,321	3,616	294	8.9%
4.9%	2,423	3,386	963	39.8%
6.2%	1,933	1,727	-206	-10.7%
7.4%	1,877	757	-1,120	-59.7%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	988	36	3.8%
3.7%	942	952	10	1.0%
4.9%	600	942	342	57.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	540	600	60	11.1%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	493	540	47	9.5%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	460	493	33	7.2%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,570	4,570	0	0.0%
32.1%	4,570	4,570	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,189	4,189	0	0.0%
45.7%	4,189	4,189	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	1,498	1,498	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-3b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

Table SW-05-3a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative A	964	307	314	503	150	345	406	159	552	1,758	1,828	1,629
Difference	-70	-37	57	83	55	75	17	-9	1	-54	-98	-37
Percent Difference[3]	-6.7%	-10.8%	22.2%	19.8%	58.3%	28.0%	4.3%	-5.6%	0.2%	-3.0%	-5.1%	-2.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative A	1,491	449	639	465	115	381	505	287	420	1,740	1,698	2,075
Difference	-101	-31	103	35	33	37	22	9	-1	-2	20	-60
Percent Difference	-6.4%	-6.5%	19.2%	8.2%		10.9%	4.6%	3.3%	-0.3%	-0.1%	1.2%	-2.8%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative A	925	319	237	269	58	452	591	21	166	1,549	1,832	1,858
Difference	-39	-119	-67	0	0	150	3	21	-1	132	-43	-100
Percent Difference	-4.0%	-27.1%	-22.2%	0.0%		49.7%	0.5%		-0.5%	9.3%	-2.3%	-5.1%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative A	518	164	188	334	282	411	289	61	660	1,467	1,714	1,378
Difference	89	-21	124	39	202	27	24	0	0	-70	-82	17
Percent Difference	20.8%	-11.5%		13.4%		7.0%	9.0%	0.0%	0.0%	-4.6%	-4.6%	1.3%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative A	781	303	101	653	203	273	277	149	920	2,081	2,016	1,411
Difference	-103	-30	0	245	37	132	55	-72	16	-19	-305	-57
Percent Difference	-11.7%	-9.0%	0.0%	60.1%	22.3%	93.9%	24.7%	-32.6%	1.7%	-0.9%	-13.2%	-3.9%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative A	652	158	152	794	82	190	339	150	549	1,858	1,959	1,053
Difference	-167	3	89	79	13	54	-46	3	-12	-387	-115	40
Percent Difference	-20.4%	1.6%		11.1%		40.2%	-11.9%	2.0%	-2.2%	-17.2%	-5.6%	4.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-05-3b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

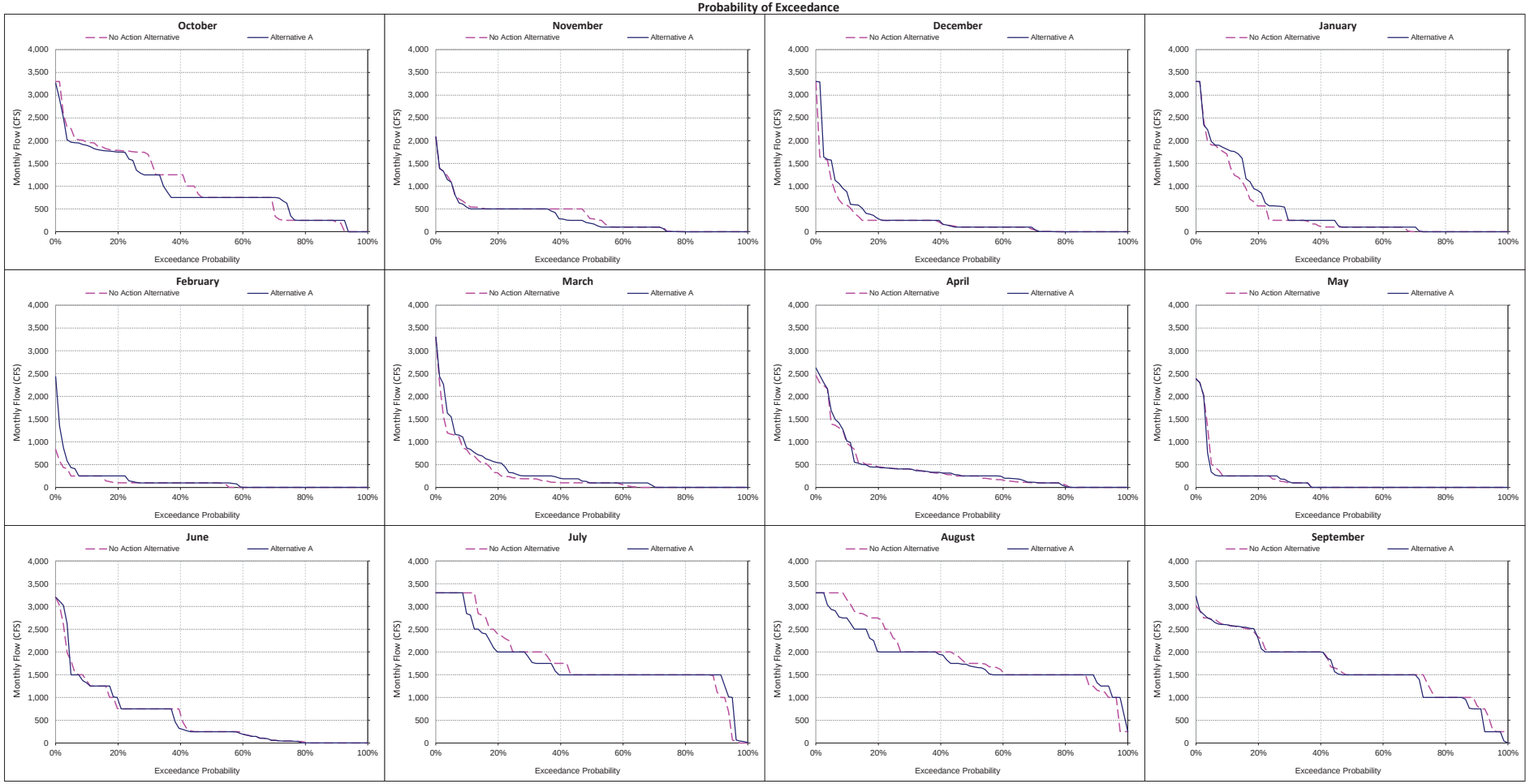

Table SW-05-3b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,270	-30	-0.9%
1.2%	3,300	2,906	-394	-11.9%
2.5%	2,591	2,500	-91	-3.5%
3.7%	2,286	2,019	-267	-11.7%
4.9%	2,264	1,969	-296	-13.1%
6.2%	2,044	1,956	-88	-4.3%
7.4%	2,019	1,950	-68	-3.4%
8.6%	2,010	1,914	-97	-4.8%
9.9%	1,969	1,897	-72	-3.7%
11.1%	1,956	1,870	-87	-4.4%
12.3%	1,950	1,825	-126	-6.4%
13.6%	1,870	1,803	-67	-3.6%
14.8%	1,869	1,787	-82	-4.4%
16.0%	1,825	1,772	-52	-2.9%
17.3%	1,803	1,770	-33	-1.8%
18.5%	1,787	1,758	-29	-1.6%
19.8%	1,787	1,749	-38	-2.1%
21.0%	1,781	1,747	-34	-1.9%
22.2%	1,772	1,744	-29	-1.6%
23.5%	1,770	1,596	-175	-9.9%
24.7%	1,758	1,566	-192	-10.9%
25.9%	1,749	1,352	-397	-22.7%
27.2%	1,747	1,286	-461	-26.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,000	-250	-20.0%
35.8%	1,250	869	-381	-30.5%
37.0%	1,250	750	-500	-40.0%
38.3%	1,250	750	-500	-40.0%
39.5%	1,250	750	-500	-40.0%
40.7%	1,250	750	-500	-40.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	750	0	0.0%
65.4%	750	750	0	0.0%
66.7%	750	750	0	0.0%
67.9%	750	750	0	0.0%
69.1%	750	750	0	0.0%
70.4%	334	750	416	124.7%
71.6%	272	738	466	171.3%
72.8%	250	675	425	170.0%
74.1%	250	624	374	149.8%
75.3%	250	345	95	37.9%
76.5%	250	254	4	1.7%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	202	250	48	24.0%
91.4%	190	250	60	31.5%
92.6%	0	250	250	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,146	-82	-6.6%
4.9%	1,086	1,086	0	0.0%
6.2%	793	801	8	1.1%
7.4%	723	631	-92	-12.7%
8.6%	674	606	-67	-10.0%
9.9%	606	539	-67	-11.1%
11.1%	543	500	-43	-7.9%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	499	-1	-0.2%
37.0%	500	456	-44	-8.8%
38.3%	500	418	-82	-16.3%
39.5%	500	283	-217	-43.4%
40.7%	500	279	-221	-44.1%
42.0%	500	254	-246	-49.3%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	250	-250	-50.0%
46.9%	499	250	-249	-49.9%
48.1%	398	204	-194	-48.8%
49.4%	290	188	-102	-35.1%
50.6%	279	171	-109	-38.8%
51.9%	254	127	-127	-50.0%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	-6	-5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	70	-30	-29.9%
74.1%	10	5	-5	
75.3%	5	1	-4	
76.5%	5	0	-5	
77.8%	1	0	-1	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,590	19	1.2%
4.9%	1,127	1,571	444	39.4%
6.2%	877	1,127	250	28.5%
7.4%	697	1,059	362	52.0%
8.6%	601	948	347	57.8%
9.9%	588	877	289	49.1%
11.1%	514	601	87	16.9%
12.3%	404	588	185	45.7%
13.6%	336	583	247	73.5%
14.8%	250	514	264	105.5%
16.0%	250	404	154	61.5%
17.3%	250	385	135	53.9%
18.5%	250	357	107	42.8%
19.8%	250	297	47	18.8%
21.0%	250	256	6	2.4%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	250	0	0.0%
38.3%	250	250	0	0.0%
39.5%	213	250	37	17.3%
40.7%	157	160	4	2.3%
42.0%	146	146	0	0.0%
43.2%	135	121	-14	-10.5%
44.4%	121	103	-18	-15.1%
45.7%	103	103	0	-0.2%
46.9%	103	102	0	-0.4%
48.1%	102	102	0	0.0%
49.4%	102	101	-1	-1.0%
50.6%	101	100	-1	-1.1%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	34	35	1	2.6%
71.6%	6	6	0	
72.8%	3	2	0	
74.1%	2	2	0	
75.3%	2	2	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,300	5	0.1%
2.5%	2,429	2,349	-80	-3.3%
3.7%	1,985	2,238	253	12.7%
4.9%	1,904	1,985	81	4.3%
6.2%	1,898	1,904	6	0.3%
7.4%	1,814	1,898	85	4.7%
8.6%	1,761	1,852	90	5.1%
9.9%	1,708	1,814	105	6.2%
11.1%	1,398	1,773	374	26.8%
12.3%	1,239	1,761	522	42.1%
13.6%	1,196	1,708	512	42.8%
14.8%	1,100	1,614	514	46.7%
16.0%	945	1,163	218	23.0%
17.3%	717	1,100	383	53.4%
18.5%	658	945	287	43.7%
19.8%	566	911	344	60.8%
21.0%	566	849	283	50.0%
22.2%	565	632	67	11.9%
23.5%	250	566	316	126.5%
24.7%	250	566	316	126.4%
25.9%	250	565	315	126.0%
27.2%	250	559	309	123.5%
28.4%	250	539	289	115.8%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	123	23	23.1%
46.9%	100	103	3	2.8%
48.1%	100	103	3	2.6%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	15	100	85	
69.1%	0	100	100	
70.4%	0	100	100	
71.6%	0	15	15	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-3b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	2,433	1,599	191.8%
1.2%	584	1,349	765	131.0%
2.5%	436	866	431	98.9%
3.7%	412	584	172	41.8%
4.9%	250	436	186	74.2%
6.2%	250	412	162	64.7%
7.4%	250	250	0	0.0%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	144	44	43.7%
24.7%	100	126	26	26.1%
25.9%	100	107	7	7.1%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	87	87	
58.0%	0	74	74	
59.3%	0	4	4	
60.5%	0	3	3	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,437	172	7.6%
2.5%	1,548	2,264	716	46.2%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,166	19	1.7%
7.4%	1,110	1,147	37	3.4%
8.6%	867	1,110	243	28.0%
9.9%	834	867	33	4.0%
11.1%	712	834	122	17.1%
12.3%	688	764	75	10.9%
13.6%	597	712	115	19.2%
14.8%	529	688	160	30.2%
16.0%	527	629	102	19.4%
17.3%	451	597	146	32.4%
18.5%	325	566	241	74.1%
19.8%	321	542	221	68.6%
21.0%	250	529	279	111.4%
22.2%	238	451	213	89.4%
23.5%	237	325	88	37.0%
24.7%	210	321	112	53.2%
25.9%	206	287	81	39.6%
27.2%	191	256	65	33.9%
28.4%	189	251	62	32.7%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.8%
37.0%	112	250	138	124.1%
38.3%	111	237	127	114.3%
39.5%	100	206	106	105.6%
40.7%	100	189	89	89.4%
42.0%	100	189	89	89.2%
43.2%	100	188	88	88.0%
44.4%	100	187	87	87.5%
45.7%	100	187	87	87.1%
46.9%	100	135	35	35.4%
48.1%	100	135	35	34.5%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	10	100	90	
65.4%	0	100	100	
66.7%	0	100	100	
67.9%	0	100	100	
69.1%	0	49	49	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,681	292	21.0%
6.2%	1,367	1,495	128	9.3%
7.4%	1,308	1,415	107	8.2%
8.6%	1,258	1,266	9	0.7%
9.9%	979	1,024	45	4.6%
11.1%	906	979	73	8.0%
12.3%	832	555	-278	-33.4%
13.6%	556	530	-26	-4.7%
14.8%	555	505	-50	-9.0%
16.0%	505	499	-6	-1.2%
17.3%	505	453	-52	-10.3%
18.5%	499	444	-54	-10.9%
19.8%	453	443	-10	-2.2%
21.0%	444	428	-16	-3.6%
22.2%	428	426	-3	-0.6%
23.5%	426	425	0	-0.1%
24.7%	418	413	-5	-1.1%
25.9%	413	408	-6	-1.3%
27.2%	408	404	-3	-0.8%
28.4%	403	403	0	0.0%
29.6%	403	403	0	0.0%
30.9%	393	393	0	0.0%
32.1%	390	365	-25	-6.3%
33.3%	365	363	-2	-0.5%
34.6%	350	357	7	2.1%
35.8%	331	350	19	5.8%
37.0%	329	332	2	0.7%
38.3%	314	331	17	5.3%
39.5%	313	329	16	5.2%
40.7%	312	314	2	0.6%
42.0%	281	313	32	11.4%
43.2%	277	312	35	12.6%
44.4%	250	281	31	12.3%
45.7%	250	277	27	10.8%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	201	250	49	24.5%
54.3%	200	250	50	25.1%
55.6%	189	250	61	32.6%
56.8%	177	250	73	41.5%
58.0%	170	250	80	47.2%
59.3%	170	247	78	45.8%
60.5%	152	201	49	32.2%
61.7%	139	200	61	44.1%
63.0%	133	195	62	46.3%
64.2%	122	189	67	55.2%
65.4%	115	177	62	54.0%
66.7%	112	146	34	30.6%
67.9%	110	115	5	4.4%
69.1%	100	112	12	12.1%
70.4%	100	110	10	9.9%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	79	47	-32	-41.0%
80.2%	47	14	-33	-70.5%
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	754	-578	-43.4%
4.9%	513	338	-175	-34.1%
6.2%	437	269	-168	-38.5%
7.4%	366	250	-116	-31.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	250	69	38.4%
25.9%	177	250	73	40.9%
27.2%	133	181	47	35.4%
28.4%	123	177	54	43.8%
29.6%	100	123	23	23.4%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-3b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,120	96	3.2%
2.5%	2,612	3,023	412	15.8%
3.7%	1,978	2,624	646	32.7%
4.9%	1,806	1,500	-306	-17.0%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,374	-126	-8.4%
9.9%	1,374	1,322	-52	-3.8%
11.1%	1,250	1,250	0	0.0%
12.3%	1,250	1,250	0	0.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,250	250	25.0%
18.5%	1,000	1,011	11	1.1%
19.8%	758	1,000	242	32.0%
21.0%	750	750	0	0.0%
22.2%	750	750	0	0.0%
23.5%	750	750	0	0.0%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	750	0	0.0%
38.3%	750	464	-286	-38.2%
39.5%	750	321	-429	-57.2%
40.7%	464	302	-162	-34.9%
42.0%	321	270	-51	-16.0%
43.2%	270	250	-20	-7.2%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	245	-5	-2.2%
59.3%	245	207	-37	-15.3%
60.5%	182	182	0	0.0%
61.7%	167	167	0	0.0%
63.0%	147	147	0	0.0%
64.2%	143	143	0	0.0%
65.4%	107	107	0	0.0%
66.7%	106	106	0	0.0%
67.9%	93	93	0	0.0%
69.1%	59	59	0	0.0%
70.4%	57	57	0	0.0%
71.6%	47	47	0	0.0%
72.8%	43	43	0	0.0%
74.1%	42	41	-1	-1.7%
75.3%	41	40	-1	-2.7%
76.5%	36	36	0	0.0%
77.8%	35	35	0	0.0%
79.0%	34	0	-34	-100.0%
80.2%	8	0	-8	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,300	0	0.0%
9.9%	3,300	2,846	-454	-13.8%
11.1%	3,300	2,808	-492	-14.9%
12.3%	3,300	2,500	-800	-24.2%
13.6%	2,846	2,500	-346	-12.2%
14.8%	2,808	2,416	-392	-14.0%
16.0%	2,750	2,400	-350	-12.7%
17.3%	2,500	2,250	-250	-10.0%
18.5%	2,500	2,090	-410	-16.4%
19.8%	2,400	2,000	-400	-16.7%
21.0%	2,359	2,000	-359	-15.2%
22.2%	2,296	2,000	-296	-12.9%
23.5%	2,250	2,000	-250	-11.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	1,896	-104	-5.2%
30.9%	2,000	1,770	-230	-11.5%
32.1%	2,000	1,750	-250	-12.5%
33.3%	2,000	1,750	-250	-12.5%
34.6%	2,000	1,750	-250	-12.5%
35.8%	1,896	1,750	-146	-7.7%
37.0%	1,770	1,750	-20	-1.1%
38.3%	1,750	1,584	-166	-9.5%
39.5%	1,750	1,500	-250	-14.3%
40.7%	1,750	1,500	-250	-14.3%
42.0%	1,750	1,500	-250	-14.3%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,500	500	50.0%
92.6%	1,000	1,250	250	25.0%
93.8%	692	1,011	320	46.2%
95.1%	66	1,000	934	
96.3%	29	66	37	
97.5%	0	43	43	
98.8%	0	33	33	
100.0%	0	8	8	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,040	-260	-7.9%
4.9%	3,300	2,938	-362	-11.0%
6.2%	3,300	2,906	-394	-11.9%
7.4%	3,300	2,772	-528	-16.0%
8.6%	3,300	2,750	-550	-16.7%
9.9%	3,157	2,750	-407	-12.9%
11.1%	3,047	2,634	-413	-13.5%
12.3%	2,894	2,500	-394	-13.6%
13.6%	2,851	2,500	-351	-12.3%
14.8%	2,848	2,500	-348	-12.2%
16.0%	2,806	2,500	-306	-10.9%
17.3%	2,750	2,303	-447	-16.3%
18.5%	2,750	2,250	-500	-18.2%
19.8%	2,750	2,008	-742	-27.0%
21.0%	2,702	2,000	-702	-26.0%
22.2%	2,500	2,000	-500	-20.0%
23.5%	2,500	2,000	-500	-20.0%
24.7%	2,315	2,000	-315	-13.6%
25.9%	2,250	2,000	-250	-11.1%
27.2%	2,008	2,000	-8	-0.4%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	1,949	-51	-2.5%
40.7%	2,000	1,933	-67	-3.3%
42.0%	2,000	1,821	-179	-9.0%
43.2%	2,000	1,752	-248	-12.4%
44.4%	1,949	1,750	-199	-10.2%
45.7%	1,901	1,750	-151	-8.0%
46.9%	1,821	1,734	-86	-4.7%
48.1%	1,752	1,729	-22	-1.3%
49.4%	1,750	1,692	-58	-3.3%
50.6%	1,750	1,676	-74	-4.2%
51.9%	1,750	1,656	-94	-5.4%
53.1%	1,750	1,654	-96	-5.5%
54.3%	1,734	1,613	-121	-7.0%
55.6%	1,676	1,520	-156	-9.3%
56.8%	1,673	1,500	-173	-10.3%
58.0%	1,656	1,500	-156	-9.4%
59.3%	1,613	1,500	-113	-7.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,500	250	20.0%
90.1%	1,161	1,324	164	14.1%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,250	132	11.9%
93.8%	1,000	1,250	250	25.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	1,000	746	293.8%
98.8%	250	624	374	149.7%
100.0%	250	250	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,228	212	7.0%
1.2%	2,907	2,907	0	0.0%
2.5%	2,750	2,830	80	2.9%
3.7%	2,750	2,750	0	0.0%
4.9%	2,725	2,715	-10	-0.4%
6.2%	2,715	2,647	-68	-2.5%
7.4%	2,647	2,611	-36	-1.4%
8.6%	2,606	2,606	0	0.0%
9.9%	2,599	2,599	0	0.0%
11.1%	2,570	2,582	12	0.4%
12.3%	2,566	2,570	5	0.2%
13.6%	2,550	2,566	15	0.6%
14.8%	2,541	2,550	10	0.4%
16.0%	2,514	2,541	27	1.1%
17.3%	2,500	2,520	20	0.8%
18.5%	2,445	2,514	68	2.8%
19.8%	2,342	2,338	-4	-0.2%
21.0%	2,281	2,071	-210	-9.2%
22.2%	2,061	2,000	-61	-3.0%
23.5%	2,000	2,000	0	0.0%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	1,993	-7	-0.4%
42.0%	1,895	1,870	-25	-1.3%
43.2%	1,673	1,830	156	9.3%
44.4%	1,649	1,567	-81	-4.9%
45.7%	1,619	1,517	-102	-6.3%
46.9%	1,548	1,500	-48	-3.1%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,395	-105	-7.0%
72.8%	1,500	1,000	-500	-33.3%
74.1%	1,320	1,000	-320	-24.2%
75.3%	1,163	1,000	-163	-14.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	962	-38	-3.8%
87.7%	1,000	759	-241	-24.1%
88.9%	1,000	750	-250	-25.0%
90.1%	816	750	-66	-8.1%
91.4%	750	750	0	0.0%
92.6%	750	250	-500	-66.7%
93.8%	570	250	-320	-56.2%
95.1%	301	250	-51	-16.9%
96.3%	250	250	0	0.0%
97.5%	250	250	0	0.0%
98.8%	250	42	-208	-83.2%
100.0%	250	0	-250	-100.0%

Table SW-06-3a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative A	187	187	189	197	197	191	191	265	181	156	85	148
Difference	2	0	0	0	0	-1	0	0	0	71	-1	0
Percent Difference[3]	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	83.9%	-1.6%	0.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative A	200	200	200	220	220	200	200	277	200	91	85	150
Difference	0	0	0	0	0	0	0	0	0	6	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative A	200	200	200	192	196	196	196	277	200	241	85	150
Difference	0	0	0	0	0	-9	0	0	0	156	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%		0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative A	193	193	193	189	189	189	189	269	186	245	85	150
Difference	0	0	0	0	0	0	0	0	0	160	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative A	181	182	182	192	192	192	192	264	180	141	85	150
Difference	0	0	0	0	0	0	0	0	0	56	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	65.7%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative A	146	149	163	168	168	168	168	224	120	134	85	133
Difference	12	0	0	0	0	0	0	0	0	49	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	57.3%	-9.9%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

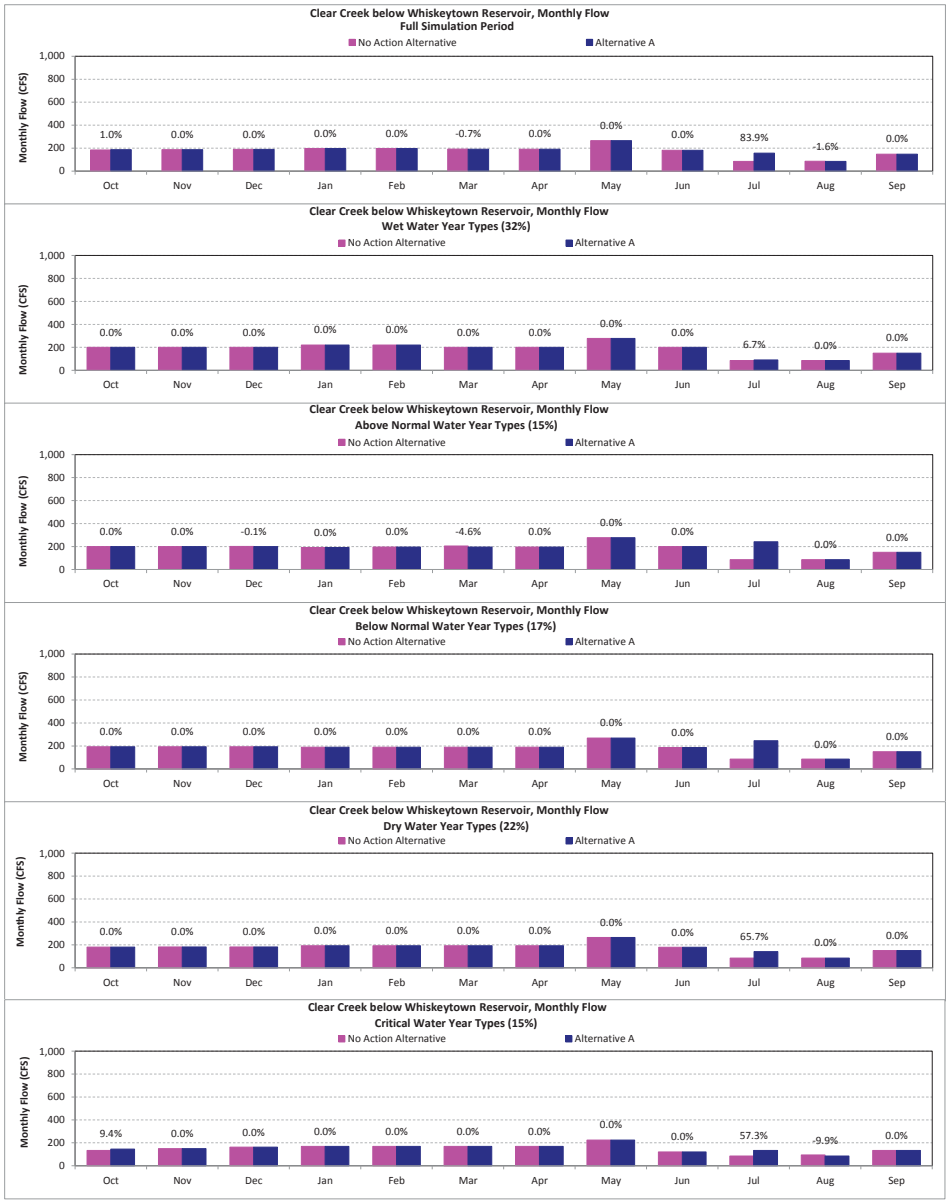

Figure SW-06-3b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

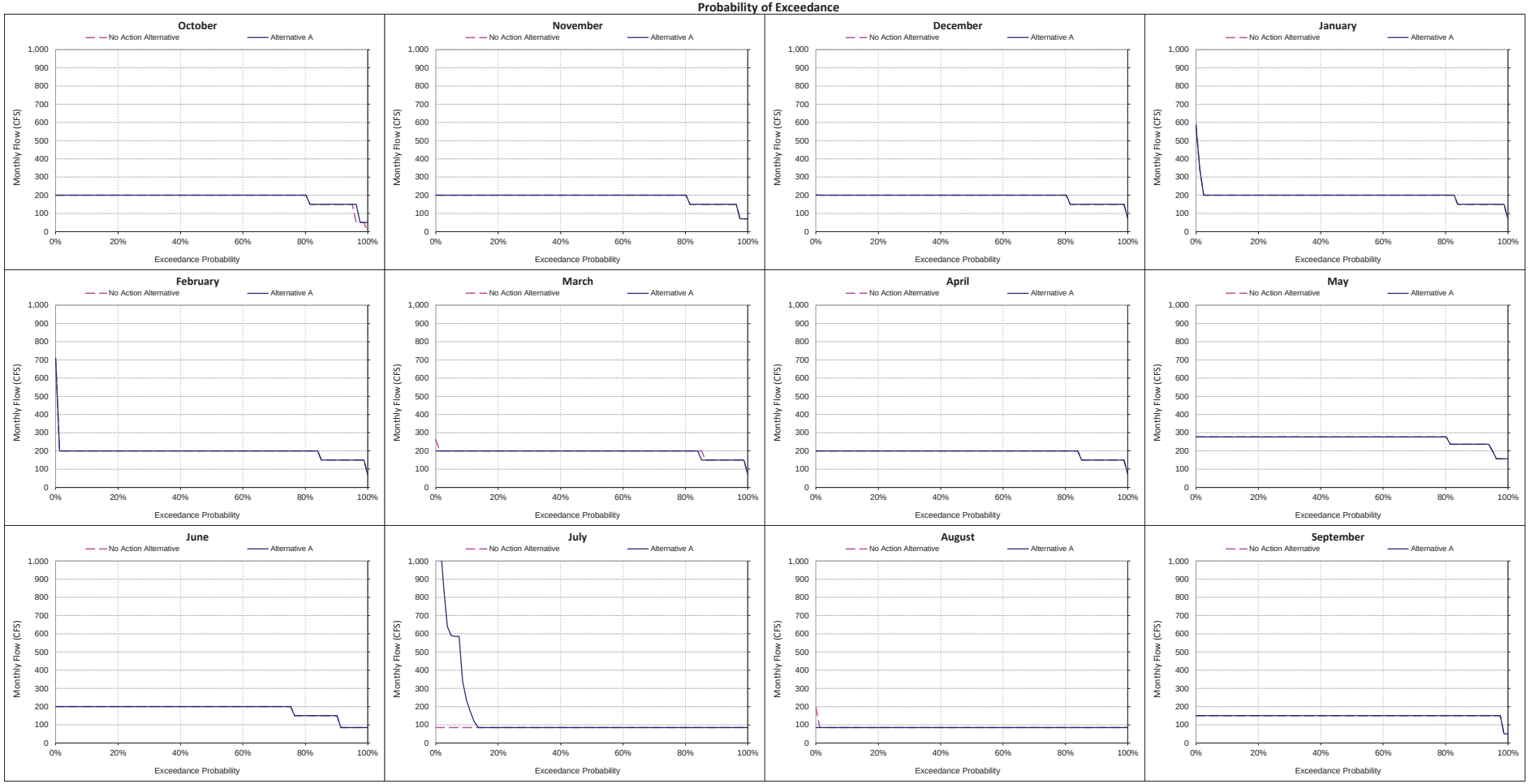

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	0	50	50	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	70	70	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	203	200	-3	-1.4%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	588	588	0	0.0%
1.2%	344	344	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	710	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-3b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	1,509	1,424	
1.2%	85	1,150	1,065	
2.5%	85	872	787	926.0%
3.7%	85	640	555	653.2%
4.9%	85	591	506	594.7%
6.2%	85	585	500	588.2%
7.4%	85	585	500	588.2%
8.6%	85	337	252	296.0%
9.9%	85	233	148	173.6%
11.1%	85	170	85	99.6%
12.3%	85	115	30	35.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	197	85	-112	-56.8%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Table SW-07-3a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative A	2,648	2,634	2,753	3,003	3,256	3,626	3,946	3,994	3,709	3,228	2,900	2,731
Difference	91	87	41	20	-5	11	33	50	75	80	87	101
Percent Difference[3]	3.6%	3.4%	1.5%	0.7%	-0.2%	0.3%	0.8%	1.3%	2.1%	2.5%	3.1%	3.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative A	3,088	3,011	3,107	3,423	3,628	3,857	4,316	4,470	4,280	3,880	3,551	3,194
Difference	36	68	9	6	-13	-3	0	-2	-8	13	32	59
Percent Difference	1.2%	2.3%	0.3%	0.2%	-0.4%	-0.1%	0.0%	0.0%	-0.2%	0.3%	0.9%	1.9%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative A	3,051	2,965	3,060	3,129	3,383	3,945	4,385	4,458	4,142	3,586	3,272	3,152
Difference	99	79	3	5	-24	-10	-16	-19	24	42	72	117
Percent Difference	3.4%	2.7%	0.1%	0.2%	-0.7%	-0.3%	-0.4%	-0.4%	0.6%	1.2%	2.3%	3.8%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative A	2,905	2,955	2,997	2,955	3,291	3,700	4,066	4,104	3,816	3,309	3,005	2,943
Difference	59	30	-12	10	-12	3	-4	8	54	56	88	83
Percent Difference	2.1%	1.0%	-0.4%	0.3%	-0.4%	0.1%	-0.1%	0.2%	1.4%	1.7%	3.0%	2.9%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative A	2,499	2,559	2,767	2,833	3,155	3,658	3,867	3,830	3,488	2,964	2,628	2,564
Difference	176	147	101	6	-34	-6	57	105	149	135	142	151
Percent Difference	7.6%	6.1%	3.8%	0.2%	-1.1%	-0.2%	1.5%	2.8%	4.5%	4.8%	5.7%	6.3%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative A	1,217	1,228	1,371	2,276	2,432	2,674	2,683	2,612	2,244	1,760	1,402	1,308
Difference	112	116	118	96	83	96	159	196	220	206	136	121
Percent Difference	10.1%	10.5%	9.4%	4.4%	3.5%	3.7%	6.3%	8.1%	10.9%	13.2%	10.7%	10.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

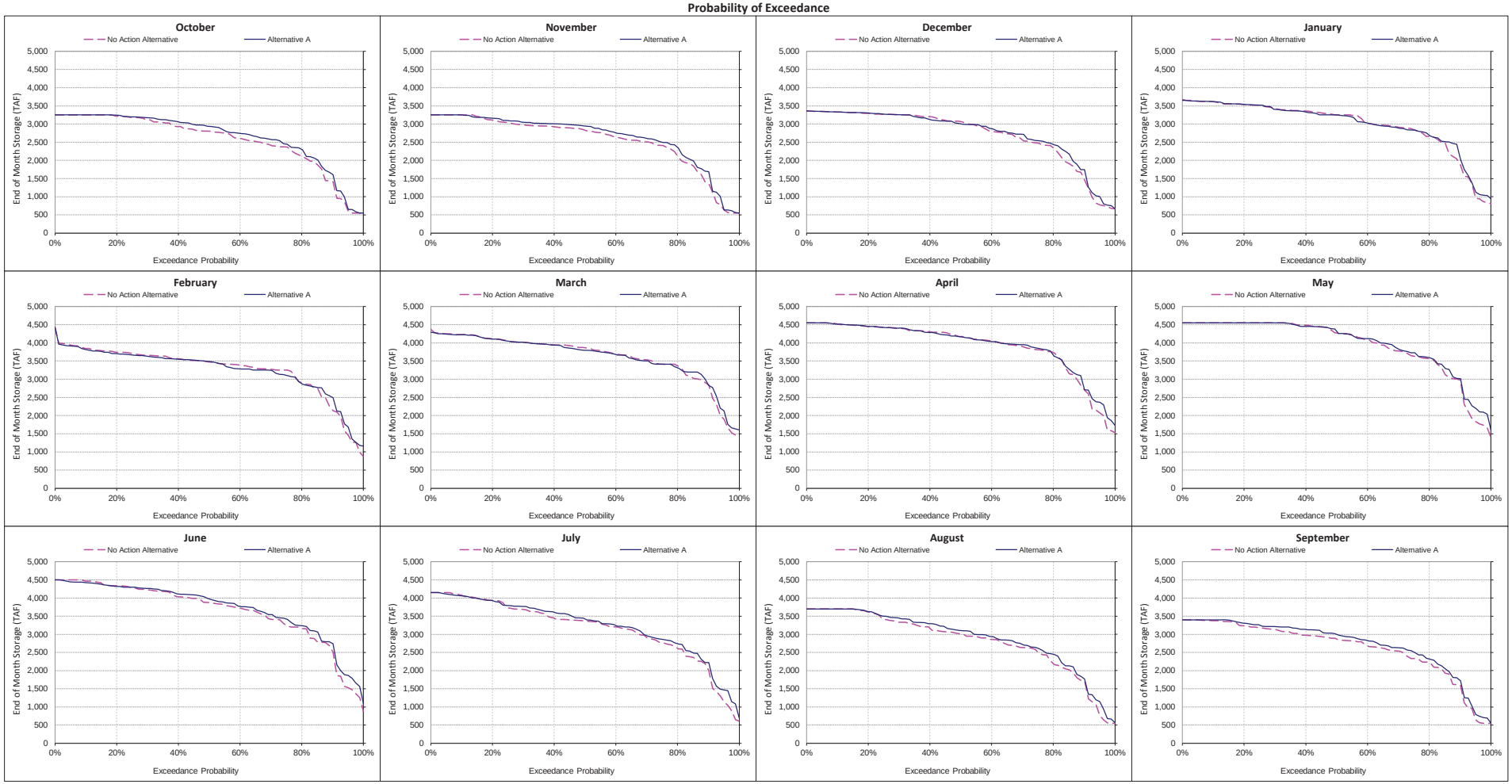

Table SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,250	0	0.0%
8.6%	3,250	3,250	0	0.0%
9.9%	3,250	3,250	0	0.0%
11.1%	3,250	3,250	0	0.0%
12.3%	3,250	3,250	0	0.0%
13.6%	3,250	3,250	0	0.0%
14.8%	3,250	3,250	0	0.0%
16.0%	3,250	3,250	0	0.0%
17.3%	3,250	3,250	0	0.0%
18.5%	3,250	3,249	-1	0.0%
19.8%	3,217	3,245	28	0.9%
21.0%	3,210	3,238	28	0.9%
22.2%	3,209	3,209	1	0.0%
23.5%	3,198	3,204	6	0.2%
24.7%	3,186	3,200	14	0.4%
25.9%	3,184	3,199	15	0.5%
27.2%	3,173	3,191	18	0.6%
28.4%	3,160	3,185	25	0.8%
29.6%	3,121	3,176	55	1.8%
30.9%	3,110	3,171	61	2.0%
32.1%	3,061	3,163	102	3.3%
33.3%	3,055	3,137	82	2.7%
34.6%	3,048	3,123	76	2.5%
35.8%	3,033	3,123	90	3.0%
37.0%	3,029	3,099	70	2.3%
38.3%	2,946	3,084	138	4.7%
39.5%	2,931	3,068	137	4.7%
40.7%	2,931	3,042	111	3.8%
42.0%	2,871	3,038	166	5.8%
43.2%	2,866	3,032	165	5.8%
44.4%	2,863	2,994	131	4.6%
45.7%	2,825	2,977	153	5.4%
46.9%	2,812	2,977	165	5.9%
48.1%	2,804	2,970	165	5.9%
49.4%	2,804	2,941	137	4.9%
50.6%	2,796	2,932	136	4.9%
51.9%	2,775	2,920	144	5.2%
53.1%	2,769	2,907	137	5.0%
54.3%	2,758	2,849	91	3.3%
55.6%	2,758	2,793	35	1.3%
56.8%	2,709	2,768	58	2.2%
58.0%	2,622	2,762	140	5.3%
59.3%	2,610	2,751	142	5.4%
60.5%	2,598	2,735	136	5.3%
61.7%	2,569	2,728	159	6.2%
63.0%	2,540	2,708	169	6.6%
64.2%	2,537	2,675	138	5.5%
65.4%	2,515	2,654	139	5.5%
66.7%	2,502	2,616	114	4.6%
67.9%	2,450	2,614	164	6.7%
69.1%	2,443	2,590	147	6.0%
70.4%	2,400	2,570	171	7.1%
71.6%	2,395	2,569	174	7.3%
72.8%	2,373	2,543	170	7.2%
74.1%	2,372	2,461	88	3.7%
75.3%	2,365	2,445	80	3.4%
76.5%	2,268	2,361	93	4.1%
77.8%	2,200	2,352	152	6.9%
79.0%	2,147	2,345	198	9.2%
80.2%	2,108	2,291	182	8.6%
81.5%	2,045	2,108	63	3.1%
82.7%	1,983	2,102	120	6.0%
84.0%	1,960	2,065	106	5.4%
85.2%	1,870	2,011	141	7.5%
86.4%	1,758	1,835	77	4.4%
87.7%	1,448	1,725	277	19.2%
88.9%	1,437	1,679	242	16.8%
90.1%	1,410	1,606	196	13.9%
91.4%	953	1,163	210	22.0%
92.6%	947	1,161	215	22.7%
93.8%	867	991	124	14.2%
95.1%	591	650	59	9.9%
96.3%	550	650	100	18.2%
97.5%	550	588	38	6.9%
98.8%	550	550	0	0.0%
100.0%	550	550	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,252	0	0.0%
11.1%	3,252	3,241	-11	-0.3%
12.3%	3,252	3,237	-15	-0.5%
13.6%	3,252	3,195	-57	-1.8%
14.8%	3,214	3,186	-27	-0.8%
16.0%	3,194	3,183	-11	-0.3%
17.3%	3,153	3,182	29	0.9%
18.5%	3,122	3,167	45	1.4%
19.8%	3,110	3,163	53	1.7%
21.0%	3,101	3,157	56	1.8%
22.2%	3,061	3,149	87	2.9%
23.5%	3,049	3,102	54	1.8%
24.7%	3,046	3,101	55	1.8%
25.9%	3,019	3,087	67	2.2%
27.2%	3,001	3,084	83	2.8%
28.4%	2,988	3,079	91	3.0%
29.6%	2,987	3,051	64	2.1%
30.9%	2,966	3,044	78	2.6%
32.1%	2,963	3,040	78	2.6%
33.3%	2,954	3,026	72	2.4%
34.6%	2,954	3,023	69	2.3%
35.8%	2,947	3,016	69	2.3%
37.0%	2,945	3,015	70	2.4%
38.3%	2,942	3,008	65	2.2%
39.5%	2,933	3,007	73	2.5%
40.7%	2,918	3,003	85	2.9%
42.0%	2,907	3,001	94	3.2%
43.2%	2,905	2,998	93	3.2%
44.4%	2,894	2,987	94	3.2%
45.7%	2,887	2,983	95	3.3%
46.9%	2,878	2,970	91	3.2%
48.1%	2,875	2,964	90	3.1%
49.4%	2,849	2,951	102	3.6%
50.6%	2,812	2,938	126	4.5%
51.9%	2,808	2,930	121	4.3%
53.1%	2,780	2,885	104	3.8%
54.3%	2,764	2,881	117	4.2%
55.6%	2,761	2,841	80	2.9%
56.8%	2,715	2,832	117	4.3%
58.0%	2,696	2,801	105	3.9%
59.3%	2,650	2,775	126	4.7%
60.5%	2,630	2,746	116	4.4%
61.7%	2,609	2,736	128	4.9%
63.0%	2,580	2,714	134	5.2%
64.2%	2,564	2,691	128	5.0%
65.4%	2,555	2,689	134	5.2%
66.7%	2,555	2,643	87	3.4%
67.9%	2,528	2,641	113	4.5%
69.1%	2,512	2,627	114	4.6%
70.4%	2,504	2,595	91	3.6%
71.6%	2,487	2,593	106	4.3%
72.8%	2,414	2,565	151	6.3%
74.1%	2,412	2,517	105	4.4%
75.3%	2,409	2,495	86	3.6%
76.5%	2,349	2,494	145	6.2%
77.8%	2,313	2,440	126	5.5%
79.0%	2,241	2,430	189	8.4%
80.2%	2,081	2,337	256	12.3%
81.5%	1,974	2,154	180	9.1%
82.7%	1,934	2,080	147	7.6%
84.0%	1,915	2,030	115	6.0%
85.2%	1,841	1,982	141	7.6%
86.4%	1,690	1,808	118	7.0%
87.7%	1,612	1,777	164	10.2%
88.9%	1,411	1,701	290	20.6%
90.1%	1,363	1,689	326	23.9%
91.4%	1,115	1,152	38	3.4%
92.6%	836	1,124	288	34.4%
93.8%	780	1,009	229	29.4%
95.1%	632	636	3	0.5%
96.3%	566	632	66	11.7%
97.5%	552	615	64	11.5%
98.8%	550	568	18	3.3%
100.0%	550	550	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,367	3,360	-7	-0.2%
1.2%	3,360	3,355	-5	-0.2%
2.5%	3,350	3,349	-1	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,349	3,346	-3	-0.1%
6.2%	3,346	3,345	-1	0.0%
7.4%	3,338	3,338	0	0.0%
8.6%	3,335	3,335	0	0.0%
9.9%	3,330	3,329	-2	-0.1%
11.1%	3,328	3,328	0	0.0%
12.3%	3,322	3,322	0	0.0%
13.6%	3,319	3,319	0	0.0%
14.8%	3,317	3,317	0	0.0%
16.0%	3,316	3,316	0	0.0%
17.3%	3,310	3,313	3	0.1%
18.5%	3,297	3,310	13	0.4%
19.8%	3,293	3,306	13	0.4%
21.0%	3,285	3,293	8	0.2%
22.2%	3,276	3,291	15	0.5%
23.5%	3,274	3,285	11	0.3%
24.7%	3,267	3,276	9	0.3%
25.9%	3,267	3,267	0	0.0%
27.2%	3,265	3,265	0	0.0%
28.4%	3,262	3,263	1	0.0%
29.6%	3,252	3,260	8	0.2%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,252	0	0.0%
33.3%	3,249	3,252	3	0.1%
34.6%	3,243	3,212	-31	-0.9%
35.8%	3,231	3,187	-44	-1.4%
37.0%	3,214	3,172	-42	-1.3%
38.3%	3,207	3,169	-38	-1.2%
39.5%	3,204	3,135	-70	-2.2%
40.7%	3,194	3,103	-91	-2.8%
42.0%	3,168	3,100	-68	-2.1%
43.2%	3,123	3,089	-34	-1.1%
44.4%	3,114	3,082	-31	-1.0%
45.7%	3,087	3,081	-6	-0.2%
46.9%	3,084	3,077	-7	-0.2%
48.1%	3,080	3,029	-51	-1.7%
49.4%	3,078	3,019	-59	-1.9%
50.6%	3,056	2,995	-61	-2.0%
51.9%	3,005	2,989	-16	-0.5%
53.1%	2,991	2,987	-3	-0.1%
54.3%	2,979	2,984	5	0.2%
55.6%	2,940	2,982	42	1.4%
56.8%	2,921	2,939	18	0.6%
58.0%	2,864	2,938	75	2.6%
59.3%	2,804	2,885	81	2.9%
60.5%	2,792	2,862	71	2.5%
61.7%	2,775	2,810	36	1.3%
63.0%	2,771	2,800	30	1.1%
64.2%	2,739	2,797	58	2.1%
65.4%	2,728	2,754	26	0.9%
66.7%	2,712	2,753	41	1.5%
67.9%	2,625	2,722	97	3.7%
69.1%	2,618	2,721	103	3.9%
70.4%	2,535	2,718	183	7.2%
71.6%	2,528	2,593	64	2.5%
72.8%	2,496	2,577	81	3.3%
74.1%	2,485	2,546	61	2.4%
75.3%	2,469	2,540	71	2.9%
76.5%	2,413	2,525	113	4.7%
77.8%	2,412	2,490	79	3.3%
79.0%	2,410	2,473	63	2.6%
80.2%	2,327	2,429	102	4.4%
81.5%	2,210	2,399	189	8.6%
82.7%	2,071	2,310	239	11.5%
84.0%	1,963	2,244	281	14.3%
85.2%	1,907	2,168	261	13.7%
86.4%	1,834	1,975	141	7.7%
87.7%	1,695	1,891	196	11.6%
88.9%	1,675	1,748	73	4.4%
90.1%	1,458	1,744	286	19.6%
91.4%	1,231	1,261	31	2.5%
92.6%	980	1,113	134	13.6%
93.8%	826	1,026	200	24.3%
95.1%	777	1,006	229	29.4%
96.3%	750	804	54	7.2%
97.5%	728	767	39	5.3%
98.8%	680	752	72	10.6%
100.0%	667	667	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,678	3,650	-28	-0.8%
1.2%	3,650	3,648	-2	-0.1%
2.5%	3,648	3,640	-8	-0.2%
3.7%	3,640	3,640	0	0.0%
4.9%	3,633	3,633	0	0.0%
6.2%	3,624	3,627	3	0.1%
7.4%	3,624	3,624	0	0.0%
8.6%	3,622	3,622	0	0.0%
9.9%	3,616	3,616	0	0.0%
11.1%	3,604	3,615	11	0.3%
12.3%	3,571	3,604	33	0.9%
13.6%	3,554	3,563	9	0.2%
14.8%	3,552	3,558	6	0.2%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,552	1	0.0%
18.5%	3,550	3,551	1	0.0%
19.8%	3,541	3,541	0	0.0%
21.0%	3,531	3,541	10	0.3%
22.2%	3,528	3,531	3	0.1%
23.5%	3,515	3,528	13	0.4%
24.7%	3,515	3,515	0	0.0%
25.9%	3,489	3,515	26	0.7%
27.2%	3,475	3,486	11	0.3%
28.4%	3,461	3,482	20	0.6%
29.6%	3,445	3,405	-40	-1.2%
30.9%	3,404	3,400	-4	-0.1%
32.1%	3,391	3,389	-2	-0.1%
33.3%	3,389	3,371	-18	-0.5%
34.6%	3,382	3,368	-14	-0.4%
35.8%	3,371	3,367	-4	-0.1%
37.0%	3,368	3,366	-2	-0.1%
38.3%	3,366	3,358	-8	-0.2%
39.5%	3,358	3,339	-20	-0.6%
40.7%	3,358	3,317	-41	-1.2%
42.0%	3,339	3,312	-26	-0.8%
43.2%	3,326	3,296	-30	-0.9%
44.4%	3,317	3,252	-65	-2.0%
45.7%	3,296	3,252	-44	-1.3%
46.9%	3,286	3,252	-34	-1.0%
48.1%	3,275	3,252	-23	-0.7%
49.4%	3,252	3,252	0	0.0%
50.6%	3,252	3,243	-9	-0.3%
51.9%	3,252	3,233	-19	-0.6%
53.1%	3,252	3,223	-29	-0.9%
54.3%	3,252	3,212	-40	-1.2%
55.6%	3,228	3,179	-49	-1.5%
56.8%	3,224	3,063	-161	-5.0%
58.0%	3,148	3,057	-91	-2.9%
59.3%	3,019	3,040	21	0.7%
60.5%	3,017	3,019	2	0.1%
61.7%	2,998	2,991	-8	-0.3%
63.0%	2,980	2,976	-4	-0.1%
64.2%	2,976	2,954	-22	-0.7%
65.4%	2,966	2,946	-20	-0.7%
66.7%	2,960	2,939	-21	-0.7%
67.9%	2,938	2,917	-20	-0.7%
69.1%	2,924	2,914	-10	-0.3%
70.4%	2,913	2,884	-28	-1.0%
71.6%	2,894	2,875	-19	-0.6%
72.8%	2,890	2,838	-51	-1.8%
74.1%	2,877	2,836	-41	-1.4%
75.3%	2,836	2,831	-5	-0.2%
76.5%	2,789	2,796	7	0.2%
77.8%	2,749	2,787	38	1.4%
79.0%	2,662	2,759	97	3.6%
80.2%	2,656	2,674	18	0.7%
81.5%	2,645	2,632	-13	-0.5%
82.7%	2,576	2,617	40	1.6%
84.0%	2,491	2,528	37	1.5%
85.2%	2,475	2,511	36	1.5%
86.4%	2,185	2,509	324	14.8%
87.7%	2,108	2,466	357	16.9%
88.9%	2,046	2,446	400	19.6%
90.1%	1,878	2,022	144	7.7%
91.4%	1,564	1,747	183	11.7%
92.6%	1,550	1,582	32	2.1%
93.8%	1,369	1,386	16	1.2%
95.1%	953	1,122	169	17.8%
96.3%	939	1,061	122	13.0%
97.5%	868	1,041	173	19.9%
98.8%	835	1,036	201	24.1%
100.0%	813	939	127	15.6%

Table SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,432	-1	0.0%
1.2%	3,994	3,966	-29	-0.7%
2.5%	3,986	3,944	-42	-1.0%
3.7%	3,965	3,920	-45	-1.1%
4.9%	3,944	3,914	-30	-0.8%
6.2%	3,920	3,907	-13	-0.3%
7.4%	3,914	3,901	-13	-0.3%
8.6%	3,877	3,848	-29	-0.7%
9.9%	3,848	3,820	-28	-0.7%
11.1%	3,848	3,794	-54	-1.4%
12.3%	3,805	3,778	-28	-0.7%
13.6%	3,794	3,777	-17	-0.4%
14.8%	3,787	3,772	-15	-0.4%
16.0%	3,777	3,743	-35	-0.9%
17.3%	3,777	3,739	-38	-1.0%
18.5%	3,772	3,710	-62	-1.6%
19.8%	3,743	3,710	-33	-0.9%
21.0%	3,739	3,694	-45	-1.2%
22.2%	3,737	3,685	-52	-1.4%
23.5%	3,734	3,683	-51	-1.4%
24.7%	3,713	3,675	-38	-1.0%
25.9%	3,694	3,661	-33	-0.9%
27.2%	3,675	3,654	-21	-0.6%
28.4%	3,661	3,649	-12	-0.3%
29.6%	3,654	3,636	-18	-0.5%
30.9%	3,654	3,626	-28	-0.8%
32.1%	3,647	3,606	-41	-1.1%
33.3%	3,642	3,603	-39	-1.1%
34.6%	3,636	3,593	-43	-1.2%
35.8%	3,636	3,570	-66	-1.8%
37.0%	3,597	3,567	-30	-0.8%
38.3%	3,570	3,560	-10	-0.3%
39.5%	3,567	3,557	-10	-0.3%
40.7%	3,560	3,544	-16	-0.4%
42.0%	3,536	3,542	6	0.2%
43.2%	3,530	3,536	6	0.2%
44.4%	3,516	3,530	14	0.4%
45.7%	3,515	3,516	1	0.0%
46.9%	3,503	3,513	10	0.3%
48.1%	3,501	3,503	2	0.0%
49.4%	3,480	3,490	10	0.3%
50.6%	3,470	3,480	10	0.3%
51.9%	3,462	3,462	0	0.0%
53.1%	3,431	3,431	0	0.0%
54.3%	3,423	3,423	0	0.0%
55.6%	3,420	3,342	-78	-2.3%
56.8%	3,410	3,325	-85	-2.5%
58.0%	3,402	3,292	-110	-3.2%
59.3%	3,397	3,288	-109	-3.2%
60.5%	3,373	3,283	-89	-2.6%
61.7%	3,370	3,282	-88	-2.6%
63.0%	3,341	3,278	-63	-1.9%
64.2%	3,327	3,252	-75	-2.3%
65.4%	3,292	3,252	-40	-1.2%
66.7%	3,288	3,252	-36	-1.1%
67.9%	3,288	3,252	-36	-1.1%
69.1%	3,282	3,250	-31	-1.0%
70.4%	3,272	3,239	-33	-1.0%
71.6%	3,252	3,162	-90	-2.8%
72.8%	3,252	3,135	-117	-3.6%
74.1%	3,252	3,125	-127	-3.9%
75.3%	3,252	3,101	-151	-4.6%
76.5%	3,217	3,074	-143	-4.4%
77.8%	3,073	3,061	-13	-0.4%
79.0%	2,937	2,935	-2	-0.1%
80.2%	2,890	2,865	-26	-0.9%
81.5%	2,859	2,836	-23	-0.8%
82.7%	2,855	2,812	-43	-1.5%
84.0%	2,753	2,791	38	1.4%
85.2%	2,746	2,773	27	1.0%
86.4%	2,510	2,764	255	10.1%
87.7%	2,492	2,598	107	4.3%
88.9%	2,265	2,545	280	12.4%
90.1%	2,134	2,490	356	16.7%
91.4%	2,094	2,125	32	1.5%
92.6%	1,981	2,110	129	6.5%
93.8%	1,580	1,776	196	12.4%
95.1%	1,457	1,685	228	15.7%
96.3%	1,268	1,351	83	6.5%
97.5%	1,265	1,265	0	0.0%
98.8%	992	1,177	185	18.7%
100.0%	872	1,159	287	32.9%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,375	4,290	-84	-1.9%
1.2%	4,280	4,280	0	0.0%
2.5%	4,273	4,253	-20	-0.5%
3.7%	4,256	4,249	-7	-0.2%
4.9%	4,253	4,246	-7	-0.2%
6.2%	4,249	4,229	-20	-0.5%
7.4%	4,246	4,226	-20	-0.5%
8.6%	4,229	4,226	-3	-0.1%
9.9%	4,226	4,222	-4	-0.1%
11.1%	4,226	4,221	-5	-0.1%
12.3%	4,222	4,208	-14	-0.3%
13.6%	4,221	4,208	-13	-0.3%
14.8%	4,199	4,193	-6	-0.1%
16.0%	4,162	4,162	0	0.0%
17.3%	4,129	4,129	0	0.0%
18.5%	4,124	4,118	-6	-0.1%
19.8%	4,118	4,106	-12	-0.3%
21.0%	4,106	4,105	-1	0.0%
22.2%	4,105	4,096	-9	-0.2%
23.5%	4,086	4,071	-15	-0.4%
24.7%	4,071	4,058	-13	-0.3%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,021	4,021	0	0.0%
30.9%	4,010	4,010	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	3,980	3,980	0	0.0%
34.6%	3,976	3,976	0	0.0%
35.8%	3,970	3,970	0	0.0%
37.0%	3,965	3,965	0	0.0%
38.3%	3,956	3,953	-3	-0.1%
39.5%	3,953	3,940	-13	-0.3%
40.7%	3,943	3,940	-3	-0.1%
42.0%	3,940	3,929	-11	-0.3%
43.2%	3,940	3,873	-67	-1.7%
44.4%	3,927	3,859	-67	-1.7%
45.7%	3,918	3,847	-71	-1.8%
46.9%	3,891	3,835	-57	-1.5%
48.1%	3,874	3,808	-66	-1.7%
49.4%	3,873	3,796	-77	-2.0%
50.6%	3,859	3,795	-64	-1.7%
51.9%	3,842	3,793	-49	-1.3%
53.1%	3,797	3,778	-19	-0.5%
54.3%	3,795	3,756	-39	-1.0%
55.6%	3,778	3,746	-32	-0.8%
56.8%	3,756	3,737	-19	-0.5%
58.0%	3,732	3,723	-9	-0.2%
59.3%	3,703	3,690	-12	-0.3%
60.5%	3,688	3,667	-21	-0.6%
61.7%	3,668	3,667	-2	0.0%
63.0%	3,667	3,659	-8	-0.2%
64.2%	3,657	3,588	-69	-1.9%
65.4%	3,589	3,566	-23	-0.6%
66.7%	3,568	3,534	-34	-1.0%
67.9%	3,543	3,517	-26	-0.7%
69.1%	3,540	3,504	-36	-1.0%
70.4%	3,534	3,503	-31	-0.9%
71.6%	3,504	3,435	-69	-2.0%
72.8%	3,435	3,417	-19	-0.5%
74.1%	3,417	3,416	-1	0.0%
75.3%	3,416	3,416	0	0.0%
76.5%	3,416	3,416	0	0.0%
77.8%	3,416	3,416	0	0.0%
79.0%	3,409	3,344	-65	-1.9%
80.2%	3,359	3,309	-50	-1.5%
81.5%	3,274	3,233	-41	-1.3%
82.7%	3,113	3,201	88	2.8%
84.0%	3,086	3,200	114	3.7%
85.2%	3,018	3,199	180	6.0%
86.4%	3,006	3,197	191	6.4%
87.7%	2,985	3,131	147	4.9%
88.9%	2,912	3,009	98	3.4%
90.1%	2,839	2,826	-12	-0.4%
91.4%	2,479	2,771	292	11.8%
92.6%	2,307	2,531	224	9.7%
93.8%	2,001	2,203	202	10.1%
95.1%	1,896	2,130	234	12.3%
96.3%	1,659	1,756	97	5.9%
97.5%	1,527	1,659	132	8.7%
98.8%	1,465	1,635	170	11.6%
100.0%	1,455	1,605	151	10.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,546	4,546	0	0.0%
8.6%	4,541	4,522	-19	-0.4%
9.9%	4,522	4,518	-4	-0.1%
11.1%	4,503	4,514	11	0.3%
12.3%	4,500	4,500	0	0.0%
13.6%	4,499	4,498	-1	0.0%
14.8%	4,488	4,498	10	0.2%
16.0%	4,479	4,488	9	0.2%
17.3%	4,470	4,479	9	0.2%
18.5%	4,461	4,472	12	0.3%
19.8%	4,456	4,456	0	0.0%
21.0%	4,451	4,456	5	0.1%
22.2%	4,442	4,451	9	0.2%
23.5%	4,438	4,434	-4	-0.1%
24.7%	4,434	4,427	-7	-0.1%
25.9%	4,432	4,418	-14	-0.3%
27.2%	4,418	4,418	0	0.0%
28.4%	4,418	4,405	-13	-0.3%
29.6%	4,398	4,405	7	0.2%
30.9%	4,396	4,403	7	0.2%
32.1%	4,380	4,398	18	0.4%
33.3%	4,341	4,365	23	0.5%
34.6%	4,334	4,341	7	0.2%
35.8%	4,332	4,333	0	0.0%
37.0%	4,332	4,329	-3	-0.1%
38.3%	4,329	4,290	-39	-0.9%
39.5%	4,316	4,289	-27	-0.6%
40.7%	4,292	4,289	-3	-0.1%
42.0%	4,290	4,263	-27	-0.6%
43.2%	4,289	4,237	-52	-1.2%
44.4%	4,289	4,225	-64	-1.5%
45.7%	4,271	4,217	-54	-1.3%
46.9%	4,230	4,189	-40	-1.0%
48.1%	4,217	4,186	-31	-0.7%
49.4%	4,177	4,173	-4	-0.1%
50.6%	4,173	4,163	-10	-0.2%
51.9%	4,137	4,137	0	0.0%
53.1%	4,131	4,131	0	0.0%
54.3%	4,105	4,094	-11	-0.3%
55.6%	4,094	4,084	-10	-0.2%
56.8%	4,085	4,074	-11	-0.3%
58.0%	4,074	4,058	-16	-0.4%
59.3%	4,064	4,042	-22	-0.5%
60.5%	4,058	4,032	-26	-0.6%
61.7%	4,014	4,028	13	0.3%
63.0%	4,001	3,992	-9	-0.2%
64.2%	3,990	3,979	-11	-0.3%
65.4%	3,952	3,975	23	0.6%
66.7%	3,943	3,966	22	0.6%
67.9%	3,928	3,955	27	0.7%
69.1%	3,919	3,949	30	0.8%
70.4%	3,888	3,948	60	1.5%
71.6%	3,850	3,940	89	2.3%
72.8%	3,843	3,891	48	1.3%
74.1%	3,819	3,866	47	1.2%
75.3%	3,812	3,844	32	0.8%
76.5%	3,796	3,826	30	0.8%
77.8%	3,762	3,814	52	1.4%
79.0%	3,758	3,779	21	0.5%
80.2%	3,724	3,638	-85	-2.3%
81.5%	3,612	3,587	-25	-0.7%
82.7%	3,525	3,529	4	0.1%
84.0%	3,306	3,359	53	1.6%
85.2%	3,147	3,271	123	3.9%
86.4%	3,127	3,181	55	1.7%
87.7%	2,991	3,124	133	4.5%
88.9%	2,835	3,102	267	9.4%
90.1%	2,699	2,707	7	0.3%
91.4%	2,598	2,699	101	3.9%
92.6%	2,163	2,462	299	13.8%
93.8%	2,148	2,381	233	10.9%
95.1%	2,069	2,364	295	14.3%
96.3%	1,998	2,296	298	14.9%
97.5%	1,588	1,942	354	22.3%
98.8%	1,583	1,865	282	17.8%
100.0%	1,527	1,731	204	13.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,552	4,552	0	0.0%
18.5%	4,552	4,552	0	0.0%
19.8%	4,552	4,552	0	0.0%
21.0%	4,552	4,552	0	0.0%
22.2%	4,552	4,552	0	0.0%
23.5%	4,552	4,552	0	0.0%
24.7%	4,552	4,552	0	0.0%
25.9%	4,552	4,552	0	0.0%
27.2%	4,552	4,552	0	0.0%
28.4%	4,552	4,552	0	0.0%
29.6%	4,552	4,552	0	0.0%
30.9%	4,552	4,552	0	0.0%
32.1%	4,552	4,552	0	0.0%
33.3%	4,552	4,543	-9	-0.2%
34.6%	4,543	4,534	-8	-0.2%
35.8%	4,528	4,513	-16	-0.3%
37.0%	4,495	4,486	-9	-0.2%
38.3%	4,494	4,456	-39	-0.9%
39.5%	4,487	4,456	-31	-0.7%
40.7%	4,482	4,455	-27	-0.6%
42.0%	4,458	4,455	-3	-0.1%
43.2%	4,450	4,448	-3	-0.1%
44.4%	4,440	4,443	3	0.1%
45.7%	4,429	4,442	13	0.3%
46.9%	4,425	4,427	2	0.1%
48.1%	4,358	4,391	33	0.8%
49.4%	4,278	4,381	103	2.4%
50.6%	4,265	4,261	-4	-0.1%
51.9%	4,259	4,256	-3	-0.1%
53.1%	4,258	4,246	-12	-0.3%
54.3%	4,224	4,244	19	0.5%
55.6%	4,222	4,184	-38	-0.9%
56.8%	4,155	4,122	-32	-0.8%
58.0%	4,134	4,120	-13	-0.3%
59.3%	4,082	4,116	34	0.8%
60.5%	4,079	4,116	36	0.9%
61.7%	4,004	4,108	104	2.6%
63.0%	4,001	4,065	64	1.6%
64.2%	3,941	3,997	56	1.4%
65.4%	3,934	3,996	63	1.6%
66.7%	3,859	3,971	112	2.9%
67.9%	3,813	3,948	134	3.5%
69.1%	3,785	3,875	90	2.4%
70.4%	3,778	3,817	39	1.0%
71.6%	3,759	3,787	28	0.7%
72.8%	3,714	3,761	47	1.3%
74.1%	3,647	3,728	81	2.2%
75.3%	3,626	3,727	102	2.8%
76.5%	3,622	3,626	4	0.1%
77.8%	3,589	3,625	36	1.0%
79.0%	3,573	3,606	33	0.9%
80.2%	3,557	3,591	34	1.0%
81.5%	3,523	3,546	22	0.6%
82.7%	3,406	3,427	21	0.6%
84.0%	3,326	3,415	89	2.7%
85.2%	3,125	3,297	173	5.5%
86.4%	3,049	3,264	215	7.1%
87.7%	3,012	3,065	53	1.8%
88.9%	3,006	3,026	20	0.7%
90.1%	2,975	3,014	39	1.3%
91.4%	2,308	2,449	141	6.1%
92.6%	2,124	2,444	320	15.0%
93.8%	1,927	2,268	342	17.7%
95.1%	1,834	2,199	365	19.9%
96.3%	1,769	2,103	334	18.9%
97.5%	1,735	2,094	359	20.7%
98.8%	1,678	2,035	358	21.3%
100.0%	1,397	1,602	205	14.7%

Table SW-07-3b
Shasta Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,500	0	0.0%
1.2%	4,500	4,500	0	0.0%
2.5%	4,500	4,486	-14	-0.3%
3.7%	4,500	4,465	-35	-0.8%
4.9%	4,500	4,443	-57	-1.3%
6.2%	4,500	4,441	-59	-1.3%
7.4%	4,500	4,441	-59	-1.3%
8.6%	4,500	4,437	-63	-1.4%
9.9%	4,465	4,427	-38	-0.8%
11.1%	4,465	4,414	-51	-1.1%
12.3%	4,463	4,412	-52	-1.2%
13.6%	4,439	4,399	-40	-0.9%
14.8%	4,420	4,384	-36	-0.8%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,349	0	0.0%
18.5%	4,341	4,331	-11	-0.2%
19.8%	4,339	4,322	-16	-0.4%
21.0%	4,332	4,321	-11	-0.3%
22.2%	4,329	4,299	-30	-0.7%
23.5%	4,318	4,298	-20	-0.5%
24.7%	4,287	4,298	11	0.2%
25.9%	4,273	4,296	23	0.5%
27.2%	4,244	4,276	32	0.8%
28.4%	4,238	4,271	34	0.8%
29.6%	4,226	4,264	38	0.9%
30.9%	4,223	4,264	42	1.0%
32.1%	4,199	4,249	49	1.2%
33.3%	4,193	4,244	51	1.2%
34.6%	4,187	4,209	22	0.5%
35.8%	4,181	4,203	22	0.5%
37.0%	4,165	4,185	20	0.5%
38.3%	4,078	4,155	77	1.9%
39.5%	4,036	4,117	81	2.0%
40.7%	4,033	4,106	73	1.8%
42.0%	4,027	4,104	77	1.9%
43.2%	4,012	4,099	86	2.2%
44.4%	3,990	4,092	102	2.6%
45.7%	3,987	4,082	95	2.4%
46.9%	3,973	4,058	85	2.1%
48.1%	3,886	4,036	151	3.9%
49.4%	3,881	3,992	111	2.8%
50.6%	3,870	3,953	83	2.1%
51.9%	3,852	3,925	73	1.9%
53.1%	3,839	3,898	59	1.5%
54.3%	3,832	3,892	60	1.6%
55.6%	3,783	3,865	82	2.2%
56.8%	3,774	3,855	81	2.2%
58.0%	3,749	3,854	105	2.8%
59.3%	3,737	3,781	44	1.2%
60.5%	3,711	3,762	50	1.4%
61.7%	3,682	3,760	78	2.1%
63.0%	3,662	3,748	86	2.3%
64.2%	3,659	3,739	80	2.2%
65.4%	3,610	3,665	55	1.5%
66.7%	3,565	3,633	68	1.9%
67.9%	3,538	3,603	65	1.8%
69.1%	3,429	3,545	116	3.4%
70.4%	3,412	3,543	131	3.8%
71.6%	3,412	3,467	55	1.6%
72.8%	3,401	3,454	54	1.6%
74.1%	3,299	3,443	144	4.4%
75.3%	3,228	3,412	184	5.7%
76.5%	3,201	3,327	126	3.9%
77.8%	3,200	3,256	56	1.7%
79.0%	3,200	3,246	46	1.4%
80.2%	3,155	3,237	82	2.6%
81.5%	3,152	3,218	66	2.1%
82.7%	2,894	3,105	211	7.3%
84.0%	2,886	3,093	208	7.2%
85.2%	2,782	3,059	277	10.0%
86.4%	2,779	2,812	33	1.2%
87.7%	2,772	2,797	25	0.9%
88.9%	2,690	2,793	103	3.8%
90.1%	2,509	2,740	231	9.2%
91.4%	1,869	2,162	294	15.7%
92.6%	1,843	2,003	160	8.7%
93.8%	1,563	1,887	325	20.8%
95.1%	1,531	1,869	338	22.1%
96.3%	1,476	1,793	317	21.5%
97.5%	1,360	1,654	295	21.7%
98.8%	1,260	1,565	305	24.2%
100.0%	878	1,093	215	24.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,150	0	0.0%
1.2%	4,150	4,150	0	0.0%
2.5%	4,150	4,150	0	0.0%
3.7%	4,150	4,121	-29	-0.7%
4.9%	4,150	4,115	-35	-0.9%
6.2%	4,150	4,098	-52	-1.3%
7.4%	4,112	4,080	-32	-0.8%
8.6%	4,100	4,068	-32	-0.8%
9.9%	4,079	4,058	-21	-0.5%
11.1%	4,039	4,053	14	0.3%
12.3%	4,036	4,035	-1	0.0%
13.6%	4,026	4,001	-25	-0.6%
14.8%	3,995	3,994	-1	0.0%
16.0%	3,975	3,970	-5	-0.1%
17.3%	3,973	3,946	-27	-0.7%
18.5%	3,943	3,937	-7	-0.2%
19.8%	3,935	3,936	1	0.0%
21.0%	3,931	3,901	-31	-0.8%
22.2%	3,917	3,887	-29	-0.7%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,796	67	1.8%
25.9%	3,718	3,788	70	1.9%
27.2%	3,699	3,774	75	2.0%
28.4%	3,698	3,774	76	2.1%
29.6%	3,689	3,769	80	2.2%
30.9%	3,677	3,766	88	2.4%
32.1%	3,635	3,725	90	2.5%
33.3%	3,623	3,716	94	2.6%
34.6%	3,620	3,690	71	2.0%
35.8%	3,585	3,661	76	2.1%
37.0%	3,568	3,637	69	1.9%
38.3%	3,480	3,629	150	4.3%
39.5%	3,462	3,619	158	4.6%
40.7%	3,413	3,584	171	5.0%
42.0%	3,408	3,573	165	4.8%
43.2%	3,408	3,570	162	4.8%
44.4%	3,400	3,554	154	4.5%
45.7%	3,389	3,503	114	3.4%
46.9%	3,388	3,450	62	1.8%
48.1%	3,380	3,450	70	2.1%
49.4%	3,375	3,448	72	2.1%
50.6%	3,361	3,398	37	1.1%
51.9%	3,355	3,389	34	1.0%
53.1%	3,346	3,367	21	0.6%
54.3%	3,334	3,364	30	0.9%
55.6%	3,278	3,292	15	0.4%
56.8%	3,257	3,289	33	1.0%
58.0%	3,207	3,284	77	2.4%
59.3%	3,206	3,269	63	2.0%
60.5%	3,200	3,224	24	0.7%
61.7%	3,174	3,220	46	1.5%
63.0%	3,149	3,200	51	1.6%
64.2%	3,137	3,200	62	2.0%
65.4%	3,113	3,179	65	2.1%
66.7%	3,038	3,138	101	3.3%
67.9%	2,984	3,090	106	3.5%
69.1%	2,977	2,989	11	0.4%
70.4%	2,890	2,951	72	2.5%
71.6%	2,873	2,925	52	1.8%
72.8%	2,846	2,894	48	1.7%
74.1%	2,778	2,874	96	3.5%
75.3%	2,770	2,860	90	3.3%
76.5%	2,733	2,841	108	4.0%
77.8%	2,712	2,825	113	4.2%
79.0%	2,674	2,770	96	3.6%
80.2%	2,600	2,733	134	5.1%
81.5%	2,593	2,723	130	5.0%
82.7%	2,397	2,552	155	6.5%
84.0%	2,383	2,540	157	6.6%
85.2%	2,361	2,481	121	5.1%
86.4%	2,261	2,474	213	9.4%
87.7%	2,258	2,317	59	2.6%
88.9%	2,192	2,224	32	1.5%
90.1%	1,997	2,220	223	11.2%
91.4%	1,509	1,782	274	18.1%
92.6%	1,423	1,572	149	10.4%
93.8%	1,305	1,486	181	13.9%
95.1%	1,139	1,465	326	28.7%
96.3%	1,040	1,447	407	39.1%
97.5%	897	1,146	249	27.8%
98.8%	650	1,084	434	66.7%
100.0%	606	690	84	13.8%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,700	0	0.0%
3.7%	3,700	3,700	0	0.0%
4.9%	3,700	3,700	0	0.0%
6.2%	3,700	3,700	0	0.0%
7.4%	3,700	3,700	0	0.0%
8.6%	3,700	3,700	0	0.0%
9.9%	3,700	3,700	0	0.0%
11.1%	3,700	3,700	0	0.0%
12.3%	3,700	3,700	0	0.0%
13.6%	3,700	3,700	0	0.0%
14.8%	3,700	3,700	0	0.0%
16.0%	3,682	3,693	11	0.3%
17.3%	3,652	3,679	28	0.8%
18.5%	3,651	3,659	8	0.2%
19.8%	3,619	3,627	8	0.2%
21.0%	3,592	3,618	26	0.7%
22.2%	3,572	3,581	9	0.3%
23.5%	3,539	3,527	-11	-0.3%
24.7%	3,420	3,505	85	2.5%
25.9%	3,402	3,495	92	2.7%
27.2%	3,380	3,466	86	2.6%
28.4%	3,367	3,460	93	2.8%
29.6%	3,334	3,455	121	3.6%
30.9%	3,333	3,426	93	2.8%
32.1%	3,331	3,423	92	2.7%
33.3%	3,297	3,409	111	3.4%
34.6%	3,286	3,331	45	1.4%
35.8%	3,250	3,328	77	2.4%
37.0%	3,217	3,325	109	3.4%
38.3%	3,210	3,318	108	3.4%
39.5%	3,205	3,295	90	2.8%
40.7%	3,112	3,291	180	5.8%
42.0%	3,107	3,272	165	5.3%
43.2%	3,090	3,228	138	4.5%
44.4%	3,074	3,226	152	4.9%
45.7%	3,066	3,163	96	3.1%
46.9%	3,060	3,144	84	2.7%
48.1%	3,039	3,122	83	2.7%
49.4%	3,019	3,104	86	2.8%
50.6%	3,017	3,102	85	2.8%
51.9%	2,951	3,097	146	4.9%
53.1%	2,947	3,085	138	4.7%
54.3%	2,941	2,995	54	1.9%
55.6%	2,931	2,993	62	2.1%
56.8%	2,901	2,989	88	3.0%
58.0%	2,897	2,983	86	3.0%
59.3%	2,864	2,941	77	2.7%
60.5%	2,858	2,939	81	2.9%
61.7%	2,851	2,883	32	1.1%
63.0%	2,793	2,848	55	2.0%
64.2%	2,749	2,842	93	3.4%
65.4%	2,701	2,836	135	5.0%
66.7%	2,698	2,822	124	4.6%
67.9%	2,673	2,765	92	3.5%
69.1%	2,642	2,755	113	4.3%
70.4%	2,635	2,704	69	2.6%
71.6%	2,634	2,694	60	2.3%
72.8%	2,617	2,651	34	1.3%
74.1%	2,585	2,646	60	2.3%
75.3%	2,483	2,606	123	4.9%
76.5%	2,438	2,555	117	4.8%
77.8%	2,434	2,482	48	2.0%
79.0%	2,280	2,467	187	8.2%
80.2%	2,169	2,445	277	12.8%
81.5%	2,146	2,395	248	11.6%
82.7%	2,097	2,219	122	5.8%
84.0%	2,045	2,134	89	4.4%
85.2%	2,018	2,134	117	5.8%
86.4%	1,932	2,106	173	9.0%
87.7%	1,805	1,892	87	4.8%
88.9%	1,734	1,847	113	6.5%
90.1%	1,719	1,771	52	3.0%
91.4%	1,220	1,348	128	10.5%
92.6%	1,142	1,333	191	16.7%
93.8%	1,064	1,197	133	12.5%
95.1%	757	1,146	389	51.4%
96.3%	642	939	298	46.3%
97.5%	557	681	123	22.1%
98.8%	550	666	116	21.1%
100.0%	550	569	19	3.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,400	26	0.8%
13.6%	3,353	3,400	47	1.4%
14.8%	3,352	3,396	44	1.3%
16.0%	3,349	3,377	29	0.9%
17.3%	3,333	3,348	15	0.4%
18.5%	3,242	3,328	87	2.7%
19.8%	3,237	3,308	72	2.2%
21.0%	3,232	3,296	64	2.0%
22.2%	3,199	3,276	77	2.4%
23.5%	3,198	3,265	66	2.1%
24.7%	3,187	3,263	75	2.4%
25.9%	3,170	3,220	49	1.6%
27.2%	3,160	3,217	58	1.8%
28.4%	3,146	3,215	69	2.2%
29.6%	3,144	3,212	68	2.2%
30.9%	3,119	3,211	92	3.0%
32.1%	3,083	3,201	118	3.8%
33.3%	3,078	3,200	122	4.0%
34.6%	3,064	3,199	135	4.4%
35.8%	3,028	3,170	142	4.7%
37.0%	3,022	3,165	143	4.7%
38.3%	2,979	3,142	163	5.5%
39.5%	2,976	3,140	164	5.5%
40.7%	2,970	3,123	153	5.2%
42.0%	2,964	3,122	158	5.3%
43.2%	2,955	3,115	161	5.4%
44.4%	2,941	3,110	170	5.8%
45.7%	2,929	3,038	109	3.7%
46.9%	2,921	3,037	117	4.0%
48.1%	2,896	3,033	138	4.8%
49.4%	2,891	3,021	130	4.5%
50.6%	2,844	2,979	135	4.7%
51.9%	2,838	2,956	119	4.2%
53.1%	2,830	2,935	105	3.7%
54.3%	2,823	2,931	108	3.8%
55.6%	2,821	2,915	95	3.4%
56.8%	2,796	2,880	84	3.0%
58.0%	2,796	2,854	58	2.1%
59.3%	2,708	2,848	140	5.2%
60.5%	2,664	2,817	153	5.7%
61.7%	2,658	2,807	149	5.6%
63.0%	2,646	2,767	121	4.6%
64.2%	2,630	2,704	73	2.8%
65.4%	2,615	2,697	82	3.1%
66.7%	2,569	2,687	117	4.6%
67.9%	2,554	2,638	84	3.3%
69.1%	2,545	2,638	93	3.7%
70.4%	2,538	2,625	87	3.4%
71.6%	2,491	2,621	130	5.2%
72.8%	2,399	2,566	167	6.9%
74.1%	2,335	2,551	216	9.2%
75.3%	2,332	2,499	166	7.1%
76.5%	2,315	2,431	116	5.0%
77.8%	2,237	2,430	193	8.6%
79.0%	2,233	2,339	106	4.8%
80.2%	2,228	2,318	89	4.0%
81.5%	2,099	2,285	187	8.9%
82.7%	2,086	2,178	92	4.4%
84.0%	2,055	2,132	77	3.8%
85.2%	1,928	2,051	123	6.4%
86.4%	1,906	1,971	65	3.4%
87.7%	1,623	1,810	187	11.5%
88.9%	1,615	1,806	190	11.8%
90.1%	1,609	1,723	114	7.1%
91.4%	1,118	1,251	132	11.8%
92.6%	971	1,247	276	28.4%
93.8%	965	1,018	53	5.5%
95.1%	640	789	148	23.2%
96.3%	569	739	171	30.0%
97.5%	550	706	156	28.3%
98.8%	550	695	145	26.4%
100.0%	550	550	0	0.0%

Table SW-08-3a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative A	985	984	991	1,003	1,015	1,031	1,043	1,045	1,033	1,013	997	989
Difference	5	5	3	2	0	1	2	3	4	5	5	6
Percent Difference[3]	0.5%	0.5%	0.3%	0.2%	0.0%	0.1%	0.2%	0.2%	0.4%	0.5%	0.5%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative A	1,010	1,006	1,011	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,030	1,014
Difference	2	3	0	0	0	0	0	0	0	1	1	3
Percent Difference	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative A	1,008	1,004	1,009	1,010	1,022	1,045	1,061	1,064	1,052	1,031	1,018	1,013
Difference	4	4	0	0	-1	0	-1	-1	1	2	3	5
Percent Difference	0.4%	0.4%	0.0%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	0.2%	0.3%	0.5%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative A	1,001	1,004	1,005	1,001	1,017	1,034	1,049	1,051	1,040	1,019	1,006	1,003
Difference	3	2	0	1	0	0	0	0	2	3	4	4
Percent Difference	0.3%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.4%	0.4%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative A	982	984	994	996	1,011	1,033	1,041	1,040	1,026	1,004	988	985
Difference	10	8	6	1	-1	0	3	4	6	7	8	8
Percent Difference	1.0%	0.8%	0.6%	0.1%	-0.1%	0.0%	0.2%	0.4%	0.6%	0.7%	0.8%	0.8%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative A	894	895	907	966	976	989	990	986	966	937	910	901
Difference	9	9	9	8	7	6	9	11	14	16	12	10
Percent Difference	1.0%	1.1%	1.0%	0.8%	0.7%	0.6%	0.9%	1.1%	1.5%	1.8%	1.3%	1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-08-3b
Shasta Lake, End of Month Elevation
Probability of Exceedance

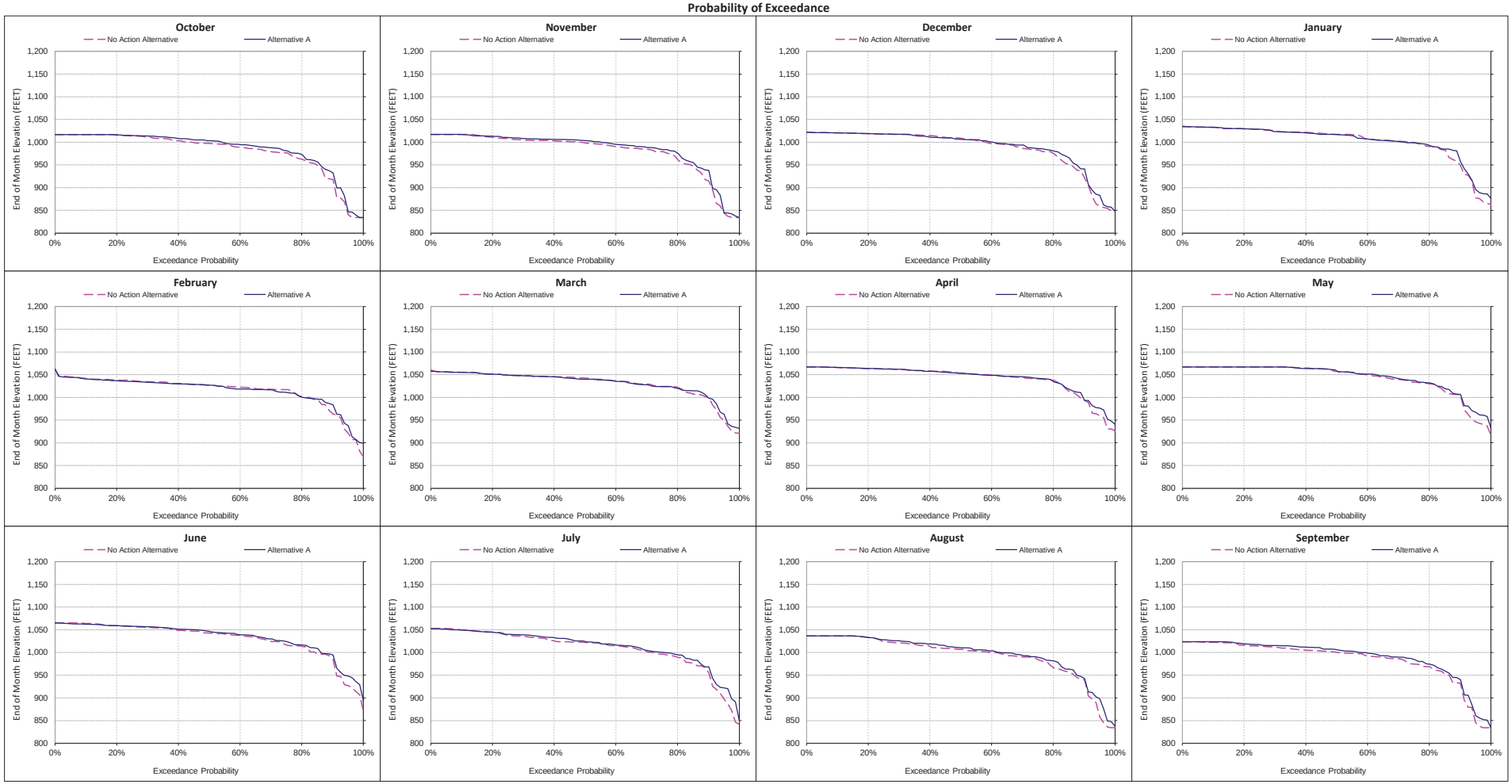

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,017	1	0.1%
21.0%	1,015	1,016	1	0.1%
22.2%	1,015	1,015	0	0.0%
23.5%	1,015	1,015	0	0.0%
24.7%	1,014	1,015	1	0.1%
25.9%	1,014	1,015	1	0.1%
27.2%	1,014	1,014	1	0.1%
28.4%	1,013	1,014	1	0.1%
29.6%	1,011	1,014	2	0.2%
30.9%	1,011	1,013	3	0.3%
32.1%	1,009	1,013	4	0.4%
33.3%	1,008	1,012	4	0.4%
34.6%	1,008	1,011	3	0.3%
35.8%	1,007	1,011	4	0.4%
37.0%	1,007	1,010	3	0.3%
38.3%	1,004	1,010	6	0.6%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	7	0.7%
43.2%	1,000	1,007	7	0.7%
44.4%	1,000	1,006	6	0.6%
45.7%	998	1,005	7	0.7%
46.9%	998	1,005	7	0.7%
48.1%	998	1,005	7	0.7%
49.4%	998	1,003	6	0.6%
50.6%	997	1,003	6	0.6%
51.9%	996	1,003	6	0.6%
53.1%	996	1,002	6	0.6%
54.3%	996	1,000	4	0.4%
55.6%	996	997	2	0.2%
56.8%	993	996	3	0.3%
58.0%	990	996	6	0.6%
59.3%	989	995	6	0.6%
60.5%	989	995	6	0.6%
61.7%	987	994	7	0.7%
63.0%	986	993	7	0.7%
64.2%	986	992	6	0.6%
65.4%	985	991	6	0.6%
66.7%	984	989	5	0.5%
67.9%	981	989	8	0.8%
69.1%	981	988	7	0.7%
70.4%	978	987	9	0.9%
71.6%	978	987	9	0.9%
72.8%	977	986	9	1.0%
74.1%	977	982	5	0.5%
75.3%	977	981	5	0.5%
76.5%	971	976	5	0.5%
77.8%	967	976	9	0.9%
79.0%	964	975	11	1.2%
80.2%	962	972	10	1.1%
81.5%	958	962	4	0.4%
82.7%	955	962	7	0.7%
84.0%	954	960	6	0.6%
85.2%	948	956	8	0.8%
86.4%	942	946	4	0.5%
87.7%	921	940	20	2.1%
88.9%	920	937	18	1.9%
90.1%	918	932	14	1.6%
91.4%	878	899	22	2.5%
92.6%	877	899	22	2.5%
93.8%	869	882	13	1.5%
95.1%	840	846	6	0.7%
96.3%	834	846	12	1.4%
97.5%	834	840	5	0.6%
98.8%	834	834	0	0.0%
100.0%	834	834	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,016	-1	-0.1%
13.6%	1,017	1,015	-2	-0.2%
14.8%	1,015	1,014	-1	-0.1%
16.0%	1,014	1,014	0	0.0%
17.3%	1,013	1,014	1	0.1%
18.5%	1,011	1,013	2	0.2%
19.8%	1,011	1,013	2	0.2%
21.0%	1,010	1,013	2	0.2%
22.2%	1,009	1,013	4	0.4%
23.5%	1,008	1,010	2	0.2%
24.7%	1,008	1,010	2	0.2%
25.9%	1,007	1,010	3	0.3%
27.2%	1,006	1,010	4	0.4%
28.4%	1,006	1,009	4	0.4%
29.6%	1,005	1,008	3	0.3%
30.9%	1,005	1,008	3	0.3%
32.1%	1,004	1,008	3	0.3%
33.3%	1,004	1,007	3	0.3%
34.6%	1,004	1,007	3	0.3%
35.8%	1,004	1,007	3	0.3%
37.0%	1,004	1,007	3	0.3%
38.3%	1,004	1,006	3	0.3%
39.5%	1,003	1,006	3	0.3%
40.7%	1,002	1,006	4	0.4%
42.0%	1,002	1,006	4	0.4%
43.2%	1,002	1,006	4	0.4%
44.4%	1,001	1,006	4	0.4%
45.7%	1,001	1,005	4	0.4%
46.9%	1,001	1,005	4	0.4%
48.1%	1,001	1,005	4	0.4%
49.4%	999	1,004	4	0.4%
50.6%	998	1,003	5	0.5%
51.9%	998	1,003	5	0.5%
53.1%	997	1,001	5	0.5%
54.3%	996	1,001	5	0.5%
55.6%	996	999	3	0.3%
56.8%	994	999	5	0.5%
58.0%	993	997	5	0.5%
59.3%	991	996	5	0.5%
60.5%	990	995	5	0.5%
61.7%	989	995	6	0.6%
63.0%	988	994	6	0.6%
64.2%	987	993	6	0.6%
65.4%	987	993	6	0.6%
66.7%	987	991	4	0.4%
67.9%	986	990	5	0.5%
69.1%	985	990	5	0.5%
70.4%	984	988	4	0.4%
71.6%	983	988	5	0.5%
72.8%	979	987	8	0.8%
74.1%	979	985	6	0.6%
75.3%	979	984	5	0.5%
76.5%	976	984	8	0.8%
77.8%	974	981	7	0.7%
79.0%	969	980	11	1.1%
80.2%	960	975	14	1.5%
81.5%	954	965	10	1.1%
82.7%	952	960	8	0.9%
84.0%	951	958	7	0.7%
85.2%	947	955	8	0.8%
86.4%	938	945	7	0.7%
87.7%	933	943	11	1.1%
88.9%	918	939	21	2.3%
90.1%	914	938	24	2.6%
91.4%	894	898	4	0.4%
92.6%	866	895	30	3.5%
93.8%	860	883	24	2.8%
95.1%	844	845	0	0.0%
96.3%	837	844	7	0.9%
97.5%	835	843	8	1.0%
98.8%	834	837	3	0.4%
100.0%	834	834	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,021	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,021	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,020	1,020	0	0.0%
18.5%	1,019	1,020	1	0.1%
19.8%	1,019	1,019	1	0.1%
21.0%	1,018	1,019	0	0.0%
22.2%	1,018	1,019	1	0.1%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,018	0	0.0%
28.4%	1,017	1,017	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,017	1,017	0	0.0%
34.6%	1,017	1,015	-1	-0.1%
35.8%	1,016	1,014	-2	-0.2%
37.0%	1,015	1,014	-2	-0.2%
38.3%	1,015	1,013	-2	-0.2%
39.5%	1,015	1,012	-3	-0.3%
40.7%	1,014	1,011	-4	-0.4%
42.0%	1,013	1,010	-3	-0.3%
43.2%	1,011	1,010	-1	-0.1%
44.4%	1,011	1,010	-1	-0.1%
45.7%	1,010	1,010	0	0.0%
46.9%	1,010	1,009	0	0.0%
48.1%	1,010	1,007	-2	-0.2%
49.4%	1,009	1,007	-3	-0.3%
50.6%	1,008	1,006	-3	-0.3%
51.9%	1,006	1,006	-1	-0.1%
53.1%	1,006	1,006	0	0.0%
54.3%	1,005	1,005	0	0.0%
55.6%	1,003	1,005	2	0.2%
56.8%	1,003	1,003	1	0.1%
58.0%	1,000	1,003	3	0.3%
59.3%	998	1,001	4	0.4%
60.5%	997	1,000	3	0.3%
61.7%	996	998	2	0.2%
63.0%	996	997	1	0.1%
64.2%	995	997	2	0.3%
65.4%	994	995	1	0.1%
66.7%	994	995	2	0.2%
67.9%	990	994	4	0.4%
69.1%	989	994	4	0.5%
70.4%	986	994	8	0.8%
71.6%	986	988	3	0.3%
72.8%	984	988	4	0.4%
74.1%	983	986	3	0.3%
75.3%	982	986	4	0.4%
76.5%	979	985	6	0.6%
77.8%	979	984	4	0.5%
79.0%	979	983	4	0.4%
80.2%	974	980	6	0.6%
81.5%	968	978	11	1.1%
82.7%	960	973	14	1.4%
84.0%	954	970	16	1.7%
85.2%	951	965	15	1.6%
86.4%	946	954	8	0.8%
87.7%	938	950	11	1.2%
88.9%	937	941	4	0.5%
90.1%	921	941	20	2.2%
91.4%	905	907	2	0.2%
92.6%	880	894	14	1.6%
93.8%	864	885	21	2.4%
95.1%	859	883	24	2.8%
96.3%	857	862	6	0.7%
97.5%	854	858	4	0.5%
98.8%	849	857	8	0.9%
100.0%	848	848	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,034	-1	-0.1%
1.2%	1,034	1,034	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,034	0	0.0%
6.2%	1,033	1,033	0	0.0%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,033	0	0.0%
12.3%	1,031	1,032	1	0.1%
13.6%	1,030	1,030	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,030	0	0.0%
21.0%	1,029	1,030	0	0.0%
22.2%	1,029	1,029	0	0.0%
23.5%	1,028	1,029	1	0.1%
24.7%	1,028	1,028	0	0.0%
25.9%	1,027	1,028	1	0.1%
27.2%	1,027	1,027	0	0.0%
28.4%	1,026	1,027	1	0.1%
29.6%	1,025	1,024	-2	-0.2%
30.9%	1,024	1,023	0	0.0%
32.1%	1,023	1,023	0	0.0%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,022	0	0.0%
39.5%	1,022	1,021	-1	-0.1%
40.7%	1,022	1,020	-2	-0.2%
42.0%	1,021	1,020	-1	-0.1%
43.2%	1,020	1,019	-1	-0.1%
44.4%	1,020	1,017	-3	-0.3%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,017	0	0.0%
50.6%	1,017	1,017	0	0.0%
51.9%	1,017	1,016	-1	-0.1%
53.1%	1,017	1,016	-1	-0.1%
54.3%	1,017	1,015	-2	-0.2%
55.6%	1,016	1,014	-2	-0.2%
56.8%	1,016	1,009	-7	-0.7%
58.0%	1,012	1,009	-4	-0.4%
59.3%	1,007	1,008	1	0.1%
60.5%	1,007	1,007	0	0.0%
61.7%	1,006	1,006	0	0.0%
63.0%	1,005	1,005	0	0.0%
64.2%	1,005	1,004	-1	-0.1%
65.4%	1,005	1,004	-1	-0.1%
66.7%	1,004	1,003	-1	-0.1%
67.9%	1,003	1,002	-1	-0.1%
69.1%	1,003	1,002	0	0.0%
70.4%	1,002	1,001	-1	-0.1%
71.6%	1,001	1,001	-1	-0.1%
72.8%	1,001	999	-2	-0.2%
74.1%	1,001	999	-2	-0.2%
75.3%	999	999	0	0.0%
76.5%	997	997	0	0.0%
77.8%	995	997	2	0.2%
79.0%	991	996	4	0.4%
80.2%	991	992	1	0.1%
81.5%	991	990	-1	-0.1%
82.7%	988	989	2	0.2%
84.0%	984	986	2	0.2%
85.2%	983	985	2	0.2%
86.4%	966	985	18	1.9%
87.7%	962	982	20	2.1%
88.9%	958	981	23	2.4%
90.1%	949	957	8	0.9%
91.4%	929	941	12	1.3%
92.6%	928	930	2	0.3%
93.8%	915	916	1	0.1%
95.1%	878	895	18	2.0%
96.3%	876	889	13	1.4%
97.5%	869	887	18	2.1%
98.8%	865	886	21	2.4%
100.0%	863	876	13	1.5%

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,063	1,063	0	0.0%
1.2%	1,047	1,046	-1	-0.1%
2.5%	1,047	1,045	-1	-0.1%
3.7%	1,046	1,044	-2	-0.2%
4.9%	1,045	1,044	-1	-0.1%
6.2%	1,044	1,044	0	0.0%
7.4%	1,044	1,044	0	0.0%
8.6%	1,043	1,042	-1	-0.1%
9.9%	1,042	1,041	-1	-0.1%
11.1%	1,042	1,040	-2	-0.2%
12.3%	1,040	1,039	-1	-0.1%
13.6%	1,040	1,039	-1	-0.1%
14.8%	1,040	1,039	-1	-0.1%
16.0%	1,039	1,038	-1	-0.1%
17.3%	1,039	1,038	-1	-0.1%
18.5%	1,039	1,037	-2	-0.2%
19.8%	1,038	1,037	-1	-0.1%
21.0%	1,038	1,036	-2	-0.2%
22.2%	1,038	1,036	-2	-0.2%
23.5%	1,038	1,036	-2	-0.2%
24.7%	1,037	1,035	-2	-0.2%
25.9%	1,036	1,035	-1	-0.1%
27.2%	1,035	1,034	-1	-0.1%
28.4%	1,035	1,034	-1	0.0%
29.6%	1,034	1,034	-1	-0.1%
30.9%	1,034	1,033	-1	-0.1%
32.1%	1,034	1,032	-2	-0.2%
33.3%	1,034	1,032	-2	-0.2%
34.6%	1,034	1,032	-2	-0.2%
35.8%	1,034	1,031	-3	-0.3%
37.0%	1,032	1,031	-1	-0.1%
38.3%	1,031	1,030	0	0.0%
39.5%	1,031	1,030	0	0.0%
40.7%	1,030	1,030	-1	-0.1%
42.0%	1,029	1,030	0	0.0%
43.2%	1,029	1,029	0	0.0%
44.4%	1,028	1,029	1	0.1%
45.7%	1,028	1,028	0	0.0%
46.9%	1,028	1,028	0	0.0%
48.1%	1,028	1,028	0	0.0%
49.4%	1,027	1,027	0	0.0%
50.6%	1,026	1,027	0	0.0%
51.9%	1,026	1,026	0	0.0%
53.1%	1,025	1,025	0	0.0%
54.3%	1,024	1,024	0	0.0%
55.6%	1,024	1,021	-3	-0.3%
56.8%	1,024	1,020	-4	-0.4%
58.0%	1,024	1,019	-5	-0.5%
59.3%	1,023	1,019	-5	-0.5%
60.5%	1,022	1,018	-4	-0.4%
61.7%	1,022	1,018	-4	-0.4%
63.0%	1,021	1,018	-3	-0.3%
64.2%	1,020	1,017	-3	-0.3%
65.4%	1,019	1,017	-2	-0.2%
66.7%	1,019	1,017	-2	-0.2%
67.9%	1,019	1,017	-2	-0.2%
69.1%	1,018	1,017	-1	-0.1%
70.4%	1,018	1,016	-1	-0.1%
71.6%	1,017	1,013	-4	-0.4%
72.8%	1,017	1,012	-5	-0.5%
74.1%	1,017	1,011	-6	-0.5%
75.3%	1,017	1,010	-7	-0.6%
76.5%	1,015	1,009	-6	-0.6%
77.8%	1,009	1,009	-1	-0.1%
79.0%	1,003	1,003	0	0.0%
80.2%	1,001	1,000	-1	-0.1%
81.5%	1,000	999	-1	-0.1%
82.7%	1,000	998	-2	-0.2%
84.0%	995	997	2	0.2%
85.2%	995	996	1	0.1%
86.4%	985	996	11	1.1%
87.7%	984	989	5	0.5%
88.9%	971	986	15	1.6%
90.1%	963	984	20	2.1%
91.4%	961	963	2	0.2%
92.6%	955	962	7	0.8%
93.8%	930	943	13	1.4%
95.1%	921	938	17	1.8%
96.3%	907	913	6	0.7%
97.5%	907	907	0	0.0%
98.8%	882	901	19	2.2%
100.0%	869	899	30	3.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,061	1,058	-3	-0.3%
1.2%	1,057	1,057	0	0.0%
2.5%	1,057	1,056	-1	-0.1%
3.7%	1,056	1,056	0	0.0%
4.9%	1,056	1,056	0	0.0%
6.2%	1,056	1,055	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,055	1,055	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	0	0.0%
13.6%	1,055	1,055	0	0.0%
14.8%	1,054	1,054	0	0.0%
16.0%	1,053	1,053	0	0.0%
17.3%	1,052	1,052	0	0.0%
18.5%	1,052	1,051	0	0.0%
19.8%	1,051	1,051	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,050	-1	-0.1%
24.7%	1,050	1,049	0	0.0%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,047	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,046	1,046	0	0.0%
35.8%	1,046	1,046	0	0.0%
37.0%	1,046	1,046	0	0.0%
38.3%	1,046	1,046	0	0.0%
39.5%	1,046	1,045	0	0.0%
40.7%	1,045	1,045	0	0.0%
42.0%	1,045	1,045	0	0.0%
43.2%	1,045	1,043	-2	-0.2%
44.4%	1,045	1,042	-2	-0.2%
45.7%	1,044	1,042	-3	-0.2%
46.9%	1,043	1,041	-2	-0.2%
48.1%	1,043	1,040	-2	-0.2%
49.4%	1,043	1,040	-3	-0.3%
50.6%	1,042	1,040	-2	-0.2%
51.9%	1,042	1,040	-2	-0.2%
53.1%	1,040	1,039	-1	-0.1%
54.3%	1,040	1,039	-1	-0.1%
55.6%	1,039	1,038	-1	-0.1%
56.8%	1,039	1,038	-1	-0.1%
58.0%	1,038	1,037	0	0.0%
59.3%	1,037	1,036	-1	-0.1%
60.5%	1,036	1,035	-1	-0.1%
61.7%	1,035	1,035	0	0.0%
63.0%	1,035	1,035	0	0.0%
64.2%	1,035	1,032	-3	-0.3%
65.4%	1,032	1,031	-1	-0.1%
66.7%	1,031	1,029	-1	-0.1%
67.9%	1,030	1,029	-1	-0.1%
69.1%	1,029	1,028	-2	-0.2%
70.4%	1,029	1,028	-1	-0.1%
71.6%	1,028	1,025	-3	-0.3%
72.8%	1,025	1,024	-1	-0.1%
74.1%	1,024	1,024	0	0.0%
75.3%	1,024	1,024	0	0.0%
76.5%	1,024	1,024	0	0.0%
77.8%	1,024	1,024	0	0.0%
79.0%	1,024	1,021	-3	-0.3%
80.2%	1,022	1,019	-2	-0.2%
81.5%	1,018	1,016	-2	-0.2%
82.7%	1,011	1,015	4	0.4%
84.0%	1,010	1,015	5	0.5%
85.2%	1,007	1,015	8	0.8%
86.4%	1,006	1,015	8	0.8%
87.7%	1,005	1,012	6	0.6%
88.9%	1,002	1,006	4	0.4%
90.1%	999	999	-1	-0.1%
91.4%	983	996	13	1.3%
92.6%	973	986	12	1.3%
93.8%	956	967	11	1.2%
95.1%	950	963	13	1.4%
96.3%	936	942	6	0.6%
97.5%	926	936	10	1.0%
98.8%	922	934	12	1.3%
100.0%	921	932	11	1.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,066	-1	-0.1%
9.9%	1,066	1,066	0	0.0%
11.1%	1,065	1,066	0	0.0%
12.3%	1,065	1,065	0	0.0%
13.6%	1,065	1,065	0	0.0%
14.8%	1,065	1,065	0	0.0%
16.0%	1,064	1,065	0	0.0%
17.3%	1,064	1,064	0	0.0%
18.5%	1,064	1,064	0	0.0%
19.8%	1,064	1,064	0	0.0%
21.0%	1,063	1,064	0	0.0%
22.2%	1,063	1,063	0	0.0%
23.5%	1,063	1,063	0	0.0%
24.7%	1,063	1,063	0	0.0%
25.9%	1,063	1,062	0	0.0%
27.2%	1,062	1,062	0	0.0%
28.4%	1,062	1,062	0	0.0%
29.6%	1,061	1,062	0	0.0%
30.9%	1,061	1,062	0	0.0%
32.1%	1,061	1,061	1	0.1%
33.3%	1,059	1,060	1	0.1%
34.6%	1,059	1,059	0	0.0%
35.8%	1,059	1,059	0	0.0%
37.0%	1,059	1,059	0	0.0%
38.3%	1,059	1,058	-1	-0.1%
39.5%	1,059	1,058	-1	-0.1%
40.7%	1,058	1,058	0	0.0%
42.0%	1,058	1,057	-1	-0.1%
43.2%	1,058	1,056	-2	-0.2%
44.4%	1,058	1,055	-2	-0.2%
45.7%	1,057	1,055	-2	-0.2%
46.9%	1,055	1,054	-1	-0.1%
48.1%	1,055	1,054	-1	-0.1%
49.4%	1,054	1,053	0	0.0%
50.6%	1,053	1,053	0	0.0%
51.9%	1,052	1,052	0	0.0%
53.1%	1,052	1,052	0	0.0%
54.3%	1,051	1,051	0	0.0%
55.6%	1,051	1,050	0	0.0%
56.8%	1,050	1,050	0	0.0%
58.0%	1,050	1,049	-1	-0.1%
59.3%	1,050	1,049	-1	-0.1%
60.5%	1,049	1,048	-1	-0.1%
61.7%	1,048	1,048	0	0.0%
63.0%	1,047	1,047	0	0.0%
64.2%	1,047	1,047	0	0.0%
65.4%	1,046	1,046	1	0.1%
66.7%	1,045	1,046	1	0.1%
67.9%	1,045	1,046	1	0.1%
69.1%	1,044	1,045	1	0.1%
70.4%	1,043	1,045	2	0.2%
71.6%	1,042	1,045	3	0.3%
72.8%	1,042	1,043	2	0.2%
74.1%	1,041	1,042	2	0.2%
75.3%	1,041	1,042	1	0.1%
76.5%	1,040	1,041	1	0.1%
77.8%	1,039	1,041	2	0.2%
79.0%	1,039	1,039	1	0.1%
80.2%	1,037	1,034	-4	-0.3%
81.5%	1,033	1,032	-1	-0.1%
82.7%	1,029	1,029	0	0.0%
84.0%	1,019	1,022	2	0.2%
85.2%	1,012	1,018	5	0.5%
86.4%	1,012	1,014	2	0.2%
87.7%	1,006	1,011	6	0.6%
88.9%	999	1,010	12	1.2%
90.1%	993	993	0	0.0%
91.4%	989	993	4	0.4%
92.6%	965	982	17	1.8%
93.8%	964	977	13	1.4%
95.1%	960	976	17	1.7%
96.3%	956	973	17	1.8%
97.5%	931	953	22	2.3%
98.8%	930	948	18	1.9%
100.0%	926	941	14	1.5%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,067	0	0.0%
28.4%	1,067	1,067	0	0.0%
29.6%	1,067	1,067	0	0.0%
30.9%	1,067	1,067	0	0.0%
32.1%	1,067	1,067	0	0.0%
33.3%	1,067	1,067	0	0.0%
34.6%	1,067	1,066	0	0.0%
35.8%	1,066	1,066	-1	-0.1%
37.0%	1,065	1,065	0	0.0%
38.3%	1,065	1,064	-1	-0.1%
39.5%	1,065	1,064	-1	-0.1%
40.7%	1,064	1,064	-1	-0.1%
42.0%	1,064	1,064	0	0.0%
43.2%	1,063	1,063	0	0.0%
44.4%	1,063	1,063	0	0.0%
45.7%	1,063	1,063	0	0.0%
46.9%	1,062	1,063	0	0.0%
48.1%	1,060	1,061	1	0.1%
49.4%	1,057	1,061	4	0.3%
50.6%	1,057	1,057	0	0.0%
51.9%	1,057	1,056	0	0.0%
53.1%	1,056	1,056	0	0.0%
54.3%	1,055	1,056	1	0.1%
55.6%	1,055	1,054	-1	-0.1%
56.8%	1,053	1,052	-1	-0.1%
58.0%	1,052	1,052	0	0.0%
59.3%	1,050	1,051	1	0.1%
60.5%	1,050	1,051	1	0.1%
61.7%	1,047	1,051	4	0.4%
63.0%	1,047	1,050	2	0.2%
64.2%	1,045	1,047	2	0.2%
65.4%	1,045	1,047	2	0.2%
66.7%	1,042	1,046	4	0.4%
67.9%	1,041	1,045	5	0.5%
69.1%	1,040	1,043	3	0.3%
70.4%	1,039	1,041	1	0.1%
71.6%	1,039	1,040	1	0.1%
72.8%	1,037	1,039	2	0.2%
74.1%	1,034	1,038	3	0.3%
75.3%	1,033	1,038	4	0.4%
76.5%	1,033	1,033	0	0.0%
77.8%	1,032	1,033	2	0.2%
79.0%	1,031	1,032	1	0.1%
80.2%	1,030	1,032	1	0.1%
81.5%	1,029	1,030	1	0.1%
82.7%	1,024	1,025	1	0.1%
84.0%	1,020	1,024	4	0.4%
85.2%	1,011	1,019	7	0.7%
86.4%	1,008	1,018	9	0.9%
87.7%	1,007	1,009	2	0.2%
88.9%	1,006	1,007	1	0.1%
90.1%	1,005	1,007	2	0.2%
91.4%	973	981	8	0.8%
92.6%	963	981	18	1.9%
93.8%	952	971	19	2.0%
95.1%	946	967	21	2.2%
96.3%	943	962	19	2.0%
97.5%	941	961	20	2.2%
98.8%	937	958	20	2.2%
100.0%	917	932	15	1.6%

Table SW-08-3b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,065	0	0.0%
1.2%	1,065	1,065	0	0.0%
2.5%	1,065	1,065	0	0.0%
3.7%	1,065	1,064	-1	-0.1%
4.9%	1,065	1,063	-2	-0.2%
6.2%	1,065	1,063	-2	-0.2%
7.4%	1,065	1,063	-2	-0.2%
8.6%	1,065	1,063	-2	-0.2%
9.9%	1,064	1,063	-1	-0.1%
11.1%	1,064	1,062	-2	-0.2%
12.3%	1,064	1,062	-2	-0.2%
13.6%	1,063	1,062	-1	-0.1%
14.8%	1,062	1,061	-1	-0.1%
16.0%	1,060	1,060	0	0.0%
17.3%	1,060	1,060	0	0.0%
18.5%	1,059	1,059	0	0.0%
19.8%	1,059	1,059	-1	-0.1%
21.0%	1,059	1,059	0	0.0%
22.2%	1,059	1,058	-1	-0.1%
23.5%	1,059	1,058	-1	-0.1%
24.7%	1,058	1,058	0	0.0%
25.9%	1,057	1,058	1	0.1%
27.2%	1,056	1,057	1	0.1%
28.4%	1,056	1,057	1	0.1%
29.6%	1,055	1,057	1	0.1%
30.9%	1,055	1,057	1	0.1%
32.1%	1,054	1,056	2	0.2%
33.3%	1,054	1,056	2	0.2%
34.6%	1,054	1,055	1	0.1%
35.8%	1,054	1,055	1	0.1%
37.0%	1,053	1,054	1	0.1%
38.3%	1,050	1,053	3	0.3%
39.5%	1,049	1,051	3	0.3%
40.7%	1,048	1,051	3	0.2%
42.0%	1,048	1,051	3	0.3%
43.2%	1,048	1,051	3	0.3%
44.4%	1,047	1,051	4	0.3%
45.7%	1,047	1,050	3	0.3%
46.9%	1,046	1,049	3	0.3%
48.1%	1,043	1,049	5	0.5%
49.4%	1,043	1,047	4	0.4%
50.6%	1,043	1,046	3	0.3%
51.9%	1,042	1,045	3	0.3%
53.1%	1,041	1,044	2	0.2%
54.3%	1,041	1,043	2	0.2%
55.6%	1,040	1,042	3	0.3%
56.8%	1,039	1,042	3	0.3%
58.0%	1,038	1,042	4	0.4%
59.3%	1,038	1,039	2	0.2%
60.5%	1,037	1,039	2	0.2%
61.7%	1,036	1,039	3	0.3%
63.0%	1,035	1,038	3	0.3%
64.2%	1,035	1,038	3	0.3%
65.4%	1,033	1,035	2	0.2%
66.7%	1,031	1,034	3	0.3%
67.9%	1,029	1,032	3	0.3%
69.1%	1,025	1,030	5	0.5%
70.4%	1,024	1,030	6	0.6%
71.6%	1,024	1,026	2	0.2%
72.8%	1,023	1,026	2	0.2%
74.1%	1,019	1,025	6	0.6%
75.3%	1,016	1,024	8	0.8%
76.5%	1,015	1,020	5	0.5%
77.8%	1,015	1,017	2	0.2%
79.0%	1,015	1,017	2	0.2%
80.2%	1,013	1,016	4	0.4%
81.5%	1,013	1,016	3	0.3%
82.7%	1,001	1,011	9	0.9%
84.0%	1,001	1,010	9	0.9%
85.2%	997	1,009	12	1.2%
86.4%	996	998	1	0.1%
87.7%	996	997	1	0.1%
88.9%	993	997	4	0.5%
90.1%	985	995	10	1.0%
91.4%	948	965	17	1.8%
92.6%	947	956	9	1.0%
93.8%	929	949	20	2.2%
95.1%	927	948	22	2.3%
96.3%	923	944	21	2.3%
97.5%	914	936	22	2.4%
98.8%	907	929	22	2.5%
100.0%	870	892	22	2.6%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,053	0	0.0%
2.5%	1,053	1,053	0	0.0%
3.7%	1,053	1,052	-1	-0.1%
4.9%	1,053	1,051	-1	-0.1%
6.2%	1,053	1,051	-2	-0.2%
7.4%	1,051	1,050	-1	-0.1%
8.6%	1,051	1,050	-1	-0.1%
9.9%	1,050	1,049	-1	-0.1%
11.1%	1,049	1,049	1	0.0%
12.3%	1,049	1,049	0	0.0%
13.6%	1,048	1,047	-1	-0.1%
14.8%	1,047	1,047	0	0.0%
16.0%	1,046	1,046	0	0.0%
17.3%	1,046	1,045	-1	-0.1%
18.5%	1,045	1,045	0	0.0%
19.8%	1,045	1,045	0	0.0%
21.0%	1,045	1,044	-1	-0.1%
22.2%	1,044	1,043	-1	-0.1%
23.5%	1,042	1,040	-2	-0.2%
24.7%	1,038	1,040	2	0.2%
25.9%	1,037	1,040	3	0.2%
27.2%	1,036	1,039	3	0.3%
28.4%	1,036	1,039	3	0.3%
29.6%	1,036	1,039	3	0.3%
30.9%	1,035	1,039	3	0.3%
32.1%	1,034	1,037	4	0.4%
33.3%	1,033	1,037	4	0.4%
34.6%	1,033	1,036	3	0.3%
35.8%	1,031	1,035	3	0.3%
37.0%	1,031	1,034	3	0.3%
38.3%	1,027	1,033	6	0.6%
39.5%	1,026	1,033	7	0.7%
40.7%	1,024	1,031	7	0.7%
42.0%	1,024	1,031	7	0.7%
43.2%	1,024	1,031	7	0.7%
44.4%	1,023	1,030	7	0.7%
45.7%	1,023	1,028	5	0.5%
46.9%	1,023	1,026	3	0.3%
48.1%	1,023	1,026	3	0.3%
49.4%	1,022	1,025	3	0.3%
50.6%	1,022	1,023	2	0.2%
51.9%	1,021	1,023	1	0.1%
53.1%	1,021	1,022	1	0.1%
54.3%	1,021	1,022	1	0.1%
55.6%	1,018	1,019	1	0.1%
56.8%	1,017	1,019	1	0.1%
58.0%	1,015	1,018	3	0.3%
59.3%	1,015	1,018	3	0.3%
60.5%	1,015	1,016	1	0.1%
61.7%	1,014	1,016	2	0.2%
63.0%	1,013	1,015	2	0.2%
64.2%	1,012	1,015	3	0.3%
65.4%	1,011	1,014	3	0.3%
66.7%	1,008	1,012	4	0.4%
67.9%	1,005	1,010	5	0.5%
69.1%	1,005	1,006	0	0.0%
70.4%	1,001	1,004	3	0.3%
71.6%	1,001	1,003	2	0.2%
72.8%	999	1,001	2	0.2%
74.1%	996	1,001	4	0.4%
75.3%	996	1,000	4	0.4%
76.5%	994	999	5	0.5%
77.8%	994	998	5	0.5%
79.0%	992	996	4	0.4%
80.2%	989	994	6	0.6%
81.5%	988	994	6	0.6%
82.7%	978	987	8	0.8%
84.0%	978	986	9	0.9%
85.2%	976	983	7	0.7%
86.4%	971	983	12	1.2%
87.7%	970	974	3	0.3%
88.9%	967	969	2	0.2%
90.1%	956	968	13	1.3%
91.4%	925	943	18	2.0%
92.6%	919	930	11	1.2%
93.8%	910	923	13	1.5%
95.1%	897	922	25	2.8%
96.3%	887	920	34	3.8%
97.5%	872	898	26	3.0%
98.8%	846	891	45	5.3%
100.0%	842	850	9	1.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,036	1,036	0	0.0%
3.7%	1,036	1,036	0	0.0%
4.9%	1,036	1,036	0	0.0%
6.2%	1,036	1,036	0	0.0%
7.4%	1,036	1,036	0	0.0%
8.6%	1,036	1,036	0	0.0%
9.9%	1,036	1,036	0	0.0%
11.1%	1,036	1,036	0	0.0%
12.3%	1,036	1,036	0	0.0%
13.6%	1,036	1,036	0	0.0%
14.8%	1,036	1,036	0	0.0%
16.0%	1,036	1,036	0	0.0%
17.3%	1,034	1,036	1	0.1%
18.5%	1,034	1,035	0	0.0%
19.8%	1,033	1,033	0	0.0%
21.0%	1,032	1,033	1	0.1%
22.2%	1,031	1,031	0	0.0%
23.5%	1,029	1,029	0	0.0%
24.7%	1,024	1,028	4	0.4%
25.9%	1,024	1,028	4	0.4%
27.2%	1,023	1,026	4	0.4%
28.4%	1,022	1,026	4	0.4%
29.6%	1,021	1,026	5	0.5%
30.9%	1,021	1,025	4	0.4%
32.1%	1,020	1,024	4	0.4%
33.3%	1,019	1,024	5	0.5%
34.6%	1,018	1,020	2	0.2%
35.8%	1,017	1,020	3	0.3%
37.0%	1,015	1,020	5	0.5%
38.3%	1,015	1,020	5	0.5%
39.5%	1,015	1,019	4	0.4%
40.7%	1,011	1,019	8	0.8%
42.0%	1,011	1,018	7	0.7%
43.2%	1,010	1,016	6	0.6%
44.4%	1,009	1,016	7	0.7%
45.7%	1,009	1,013	4	0.4%
46.9%	1,009	1,012	4	0.4%
48.1%	1,008	1,011	4	0.4%
49.4%	1,007	1,011	4	0.4%
50.6%	1,007	1,010	4	0.4%
51.9%	1,004	1,010	6	0.6%
53.1%	1,004	1,010	6	0.6%
54.3%	1,003	1,006	2	0.2%
55.6%	1,003	1,006	3	0.3%
56.8%	1,002	1,006	4	0.4%
58.0%	1,002	1,005	4	0.4%
59.3%	1,000	1,004	3	0.3%
60.5%	1,000	1,003	4	0.4%
61.7%	1,000	1,001	1	0.1%
63.0%	997	999	2	0.2%
64.2%	995	999	4	0.4%
65.4%	993	999	6	0.6%
66.7%	993	998	5	0.5%
67.9%	992	996	4	0.4%
69.1%	991	995	5	0.5%
70.4%	990	993	3	0.3%
71.6%	990	993	3	0.3%
72.8%	989	991	1	0.2%
74.1%	988	991	3	0.3%
75.3%	983	989	6	0.6%
76.5%	981	987	6	0.6%
77.8%	980	983	3	0.3%
79.0%	972	982	11	1.1%
80.2%	965	981	16	1.6%
81.5%	964	978	14	1.5%
82.7%	961	968	7	0.7%
84.0%	958	963	5	0.5%
85.2%	957	963	7	0.7%
86.4%	952	962	10	1.0%
87.7%	945	950	5	0.5%
88.9%	941	947	6	0.7%
90.1%	940	943	3	0.3%
91.4%	904	913	9	1.0%
92.6%	897	912	15	1.6%
93.8%	889	902	13	1.5%
95.1%	857	898	40	4.7%
96.3%	845	876	31	3.7%
97.5%	836	849	14	1.7%
98.8%	834	848	14	1.6%
100.0%	834	837	3	0.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,023	1,023	0	0.0%
4.9%	1,023	1,023	0	0.0%
6.2%	1,023	1,023	0	0.0%
7.4%	1,023	1,023	1	0.1%
8.6%	1,023	1,023	1	0.1%
9.9%	1,022	1,023	1	0.1%
11.1%	1,022	1,023	1	0.1%
12.3%	1,022	1,023	1	0.1%
13.6%	1,021	1,023	2	0.2%
14.8%	1,021	1,023	2	0.2%
16.0%	1,021	1,022	1	0.1%
17.3%	1,021	1,021	1	0.1%
18.5%	1,017	1,020	4	0.4%
19.8%	1,016	1,019	3	0.3%
21.0%	1,016	1,019	3	0.3%
22.2%	1,015	1,018	3	0.3%
23.5%	1,015	1,018	3	0.3%
24.7%	1,014	1,017	3	0.3%
25.9%	1,013	1,016	2	0.2%
27.2%	1,013	1,015	2	0.2%
28.4%	1,012	1,015	3	0.3%
29.6%	1,012	1,015	3	0.3%
30.9%	1,011	1,015	4	0.4%
32.1%	1,010	1,015	5	0.5%
33.3%	1,009	1,015	5	0.5%
34.6%	1,009	1,015	6	0.6%
35.8%	1,007	1,013	6	0.6%
37.0%	1,007	1,013	6	0.6%
38.3%	1,005	1,012	7	0.7%
39.5%	1,005	1,012	7	0.7%
40.7%	1,005	1,011	7	0.7%
42.0%	1,004	1,011	7	0.7%
43.2%	1,004	1,011	7	0.7%
44.4%	1,003	1,011	7	0.7%
45.7%	1,003	1,008	5	0.5%
46.9%	1,003	1,008	5	0.5%
48.1%	1,002	1,008	6	0.6%
49.4%	1,001	1,007	6	0.6%
50.6%	999	1,005	6	0.6%
51.9%	999	1,004	5	0.5%
53.1%	999	1,003	5	0.5%
54.3%	998	1,003	5	0.5%
55.6%	998	1,002	4	0.4%
56.8%	997	1,001	4	0.4%
58.0%	997	1,000	3	0.3%
59.3%	993	999	6	0.6%
60.5%	991	998	7	0.7%
61.7%	991	998	6	0.7%
63.0%	991	996	5	0.5%
64.2%	990	993	3	0.3%
65.4%	989	993	4	0.4%
66.7%	987	992	5	0.5%
67.9%	987	990	4	0.4%
69.1%	986	990	4	0.4%
70.4%	986	990	4	0.4%
71.6%	984	990	6	0.6%
72.8%	978	987	9	0.9%
74.1%	975	987	12	1.2%
75.3%	975	984	9	1.0%
76.5%	974	980	7	0.7%
77.8%	969	980	11	1.1%
79.0%	969	975	6	0.6%
80.2%	969	974	5	0.5%
81.5%	961	972	11	1.1%
82.7%	961	966	5	0.5%
84.0%	959	963	4	0.5%
85.2%	952	959	7	0.7%
86.4%	950	954	4	0.4%
87.7%	933	945	12	1.3%
88.9%	933	945	12	1.3%
90.1%	932	940	8	0.8%
91.4%	895	906	11	1.3%
92.6%	879	906	26	3.0%
93.8%	879	884	6	0.6%
95.1%	845	861	15	1.8%
96.3%	837	855	18	2.1%
97.5%	834	852	18	2.1%
98.8%	834	851	17	2.0%
100.0%	834	834	0	0.0%

Table SW-09-3a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative A	20,500	20,429	21,105	22,514	23,874	25,724	27,181	27,375	26,021	23,641	21,899	20,968
Difference	528	508	254	140	5	78	187	270	407	473	511	583
Percent Difference[3]	2.6%	2.6%	1.2%	0.6%	0.0%	0.3%	0.7%	1.0%	1.6%	2.0%	2.4%	2.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative A	23,053	22,643	23,162	24,849	25,877	26,952	28,986	29,650	28,823	27,044	25,532	23,625
Difference	194	363	51	34	-59	-14	-1	-9	-26	73	169	317
Percent Difference	0.9%	1.6%	0.2%	0.1%	-0.2%	-0.1%	0.0%	0.0%	-0.1%	0.3%	0.7%	1.4%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative A	22,863	22,401	22,912	23,226	24,608	27,348	29,281	29,598	28,239	25,693	24,044	23,404
Difference	531	426	15	27	-125	-52	-68	-80	104	218	386	623
Percent Difference	2.4%	1.9%	0.1%	0.1%	-0.5%	-0.2%	-0.2%	-0.3%	0.4%	0.9%	1.6%	2.7%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative A	22,070	22,331	22,559	22,249	24,072	26,062	27,837	28,019	26,736	24,227	22,606	22,272
Difference	324	174	-53	64	-43	13	-8	26	239	306	472	445
Percent Difference	1.5%	0.8%	-0.2%	0.3%	-0.2%	0.1%	0.0%	0.1%	0.9%	1.3%	2.1%	2.0%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative A	19,828	20,151	21,276	21,598	23,340	25,915	26,897	26,741	25,078	22,374	20,542	20,192
Difference	1,017	855	602	72	-143	23	288	522	757	740	810	871
Percent Difference	5.4%	4.4%	2.9%	0.3%	-0.6%	0.1%	1.1%	2.0%	3.1%	3.4%	4.1%	4.5%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative A	11,784	11,855	12,888	18,424	19,373	20,761	20,828	20,421	18,313	15,435	13,092	12,417
Difference	754	775	772	676	552	564	924	1,132	1,318	1,387	975	845
Percent Difference	6.8%	7.0%	6.4%	3.8%	2.9%	2.8%	4.6%	5.9%	7.8%	9.9%	8.0%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-09-3b
Shasta Lake, End of Month Area
Probability of Exceedance

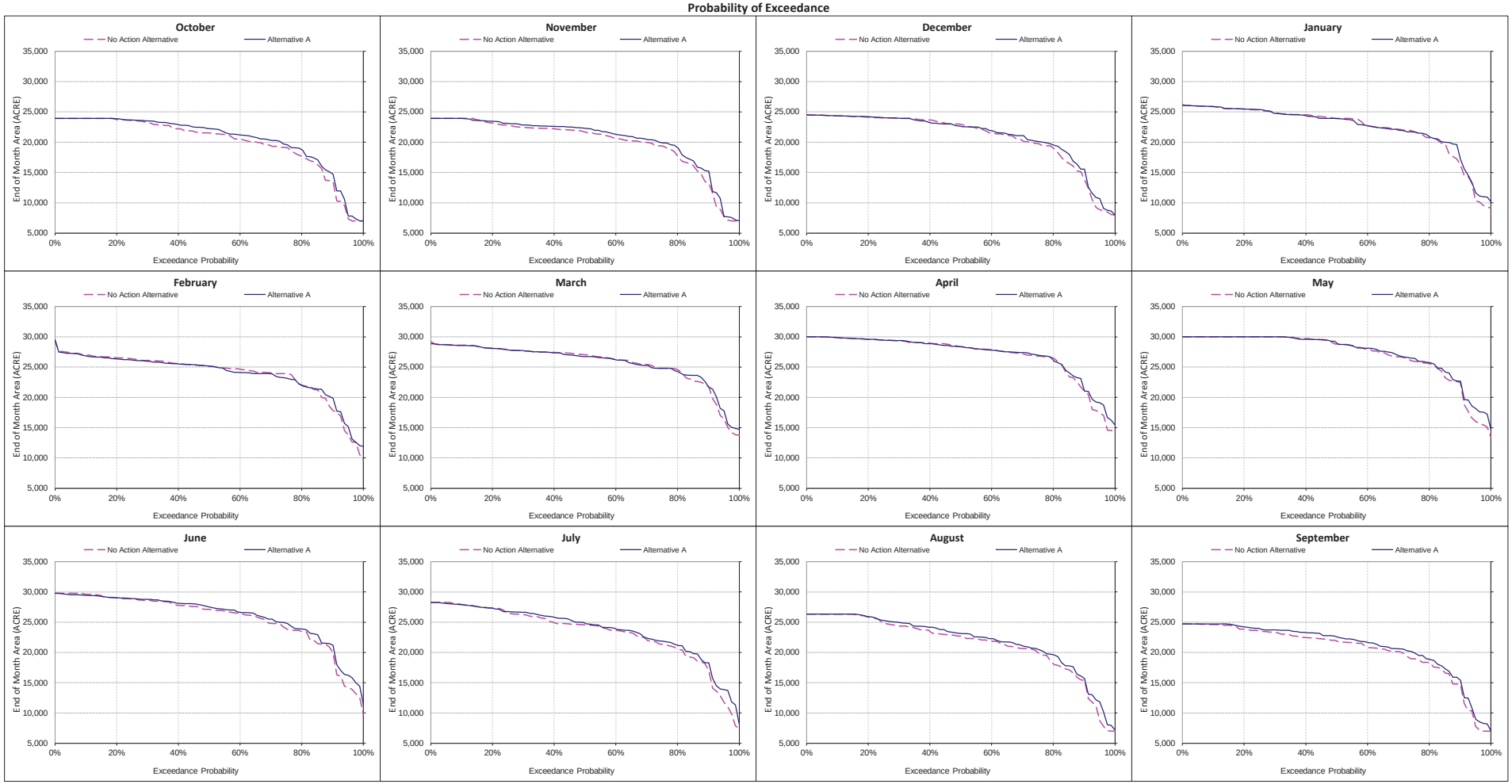

Table SW-09-3b

Shasta Lake, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,927	0	0.0%
8.6%	23,927	23,927	0	0.0%
9.9%	23,927	23,927	0	0.0%
11.1%	23,927	23,927	0	0.0%
12.3%	23,927	23,927	0	0.0%
13.6%	23,927	23,927	0	0.0%
14.8%	23,927	23,927	0	0.0%
16.0%	23,927	23,927	0	0.0%
17.3%	23,927	23,927	0	0.0%
18.5%	23,927	23,920	-7	0.0%
19.8%	23,751	23,899	148	0.6%
21.0%	23,712	23,861	149	0.6%
22.2%	23,705	23,709	4	0.0%
23.5%	23,649	23,683	33	0.1%
24.7%	23,583	23,659	76	0.3%
25.9%	23,572	23,655	83	0.4%
27.2%	23,514	23,611	97	0.4%
28.4%	23,447	23,581	134	0.6%
29.6%	23,240	23,534	294	1.3%
30.9%	23,179	23,504	325	1.4%
32.1%	22,915	23,460	545	2.4%
33.3%	22,887	23,323	436	1.9%
34.6%	22,846	23,249	404	1.8%
35.8%	22,765	23,248	482	2.1%
37.0%	22,747	23,121	374	1.6%
38.3%	22,304	23,042	738	3.3%
39.5%	22,223	22,956	733	3.3%
40.7%	22,222	22,816	594	2.7%
42.0%	21,904	22,792	889	4.1%
43.2%	21,876	22,759	883	4.0%
44.4%	21,858	22,558	701	3.2%
45.7%	21,653	22,469	816	3.8%
46.9%	21,586	22,468	881	4.1%
48.1%	21,545	22,430	884	4.1%
49.4%	21,542	22,273	732	3.4%
50.6%	21,500	22,225	725	3.4%
51.9%	21,392	22,163	771	3.6%
53.1%	21,359	22,092	733	3.4%
54.3%	21,300	21,785	485	2.3%
55.6%	21,300	21,485	186	0.9%
56.8%	21,038	21,350	312	1.5%
58.0%	20,572	21,319	747	3.6%
59.3%	20,507	21,263	756	3.7%
60.5%	20,445	21,174	729	3.6%
61.7%	20,290	21,138	848	4.2%
63.0%	20,132	21,033	901	4.5%
64.2%	20,118	20,857	739	3.7%
65.4%	19,999	20,740	741	3.7%
66.7%	19,926	20,540	615	3.1%
67.9%	19,624	20,530	907	4.6%
69.1%	19,584	20,403	819	4.2%
70.4%	19,332	20,296	964	5.0%
71.6%	19,306	20,288	981	5.1%
72.8%	19,175	20,150	975	5.1%
74.1%	19,175	19,685	510	2.7%
75.3%	19,134	19,595	461	2.4%
76.5%	18,569	19,109	540	2.9%
77.8%	18,176	19,055	879	4.8%
79.0%	17,868	19,016	1,148	6.4%
80.2%	17,645	18,700	1,055	6.0%
81.5%	17,279	17,644	365	2.1%
82.7%	16,917	17,611	693	4.1%
84.0%	16,784	17,397	613	3.7%
85.2%	16,267	17,082	815	5.0%
86.4%	15,617	16,062	445	2.8%
87.7%	13,729	15,428	1,699	12.4%
88.9%	13,662	15,157	1,495	10.9%
90.1%	13,495	14,707	1,212	9.0%
91.4%	10,270	11,960	1,690	16.5%
92.6%	10,218	11,946	1,728	16.9%
93.8%	9,580	10,575	995	10.4%
95.1%	7,356	7,828	472	6.4%
96.3%	7,002	7,828	826	11.8%
97.5%	7,002	7,328	326	4.7%
98.8%	7,002	7,002	0	0.0%
100.0%	7,002	7,002	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,937	0	0.0%
11.1%	23,937	23,880	-57	-0.2%
12.3%	23,937	23,855	-82	-0.3%
13.6%	23,937	23,631	-306	-1.3%
14.8%	23,732	23,586	-146	-0.6%
16.0%	23,626	23,569	-57	-0.2%
17.3%	23,409	23,563	154	0.7%
18.5%	23,244	23,484	240	1.0%
19.8%	23,177	23,459	282	1.2%
21.0%	23,130	23,431	301	1.3%
22.2%	22,919	23,386	467	2.0%
23.5%	22,851	23,137	286	1.3%
24.7%	22,836	23,129	292	1.3%
25.9%	22,695	23,054	359	1.6%
27.2%	22,599	23,040	441	2.0%
28.4%	22,525	23,012	487	2.2%
29.6%	22,520	22,862	342	1.5%
30.9%	22,411	22,828	417	1.9%
32.1%	22,391	22,805	414	1.8%
33.3%	22,346	22,729	383	1.7%
34.6%	22,344	22,715	371	1.7%
35.8%	22,306	22,675	369	1.7%
37.0%	22,297	22,670	373	1.7%
38.3%	22,283	22,632	349	1.6%
39.5%	22,234	22,626	391	1.8%
40.7%	22,153	22,609	455	2.1%
42.0%	22,094	22,594	500	2.3%
43.2%	22,084	22,583	499	2.3%
44.4%	22,024	22,524	500	2.3%
45.7%	21,990	22,499	509	2.3%
46.9%	21,942	22,429	487	2.2%
48.1%	21,921	22,400	479	2.2%
49.4%	21,783	22,330	547	2.5%
50.6%	21,584	22,260	675	3.1%
51.9%	21,567	22,215	647	3.0%
53.1%	21,418	21,976	558	2.6%
54.3%	21,331	21,954	623	2.9%
55.6%	21,314	21,739	425	2.0%
56.8%	21,068	21,694	626	3.0%
58.0%	20,969	21,530	561	2.7%
59.3%	20,720	21,390	670	3.2%
60.5%	20,615	21,232	617	3.0%
61.7%	20,500	21,183	682	3.3%
63.0%	20,347	21,065	718	3.5%
64.2%	20,260	20,943	683	3.4%
65.4%	20,215	20,929	714	3.5%
66.7%	20,214	20,681	467	2.3%
67.9%	20,070	20,676	606	3.0%
69.1%	19,985	20,597	612	3.1%
70.4%	19,935	20,426	491	2.5%
71.6%	19,838	20,415	578	2.9%
72.8%	19,415	20,268	852	4.4%
74.1%	19,404	20,012	608	3.1%
75.3%	19,385	19,884	499	2.6%
76.5%	19,041	19,880	839	4.4%
77.8%	18,832	19,564	732	3.9%
79.0%	18,416	19,508	1,092	5.9%
80.2%	17,489	18,969	1,481	8.5%
81.5%	16,868	17,910	1,042	6.2%
82.7%	16,634	17,482	848	5.1%
84.0%	16,529	17,194	666	4.0%
85.2%	16,098	16,912	814	5.1%
86.4%	15,225	15,908	683	4.5%
87.7%	14,745	15,724	979	6.6%
88.9%	13,502	15,288	1,787	13.2%
90.1%	13,207	15,220	2,013	15.2%
91.4%	11,571	11,875	304	2.6%
92.6%	9,329	11,648	2,319	24.9%
93.8%	8,874	10,719	1,845	20.8%
95.1%	7,685	7,712	27	0.3%
96.3%	7,146	7,685	539	7.5%
97.5%	7,018	7,549	531	7.6%
98.8%	7,002	7,163	161	2.3%
100.0%	7,002	7,002	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,552	24,514	-37	-0.2%
1.2%	24,514	24,487	-27	-0.1%
2.5%	24,461	24,455	-5	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,455	24,439	-16	-0.1%
6.2%	24,439	24,434	-5	0.0%
7.4%	24,397	24,397	0	0.0%
8.6%	24,381	24,381	0	0.0%
9.9%	24,356	24,346	-9	0.0%
11.1%	24,343	24,343	0	0.0%
12.3%	24,311	24,311	0	0.0%
13.6%	24,295	24,295	0	0.0%
14.8%	24,284	24,284	0	0.0%
16.0%	24,279	24,279	0	0.0%
17.3%	24,247	24,264	17	0.1%
18.5%	24,180	24,247	67	0.3%
19.8%	24,156	24,226	69	0.3%
21.0%	24,114	24,156	43	0.2%
22.2%	24,065	24,147	82	0.3%
23.5%	24,054	24,114	60	0.2%
24.7%	24,018	24,065	47	0.2%
25.9%	24,017	24,017	0	0.0%
27.2%	24,007	24,007	0	0.0%
28.4%	23,992	23,998	6	0.0%
29.6%	23,938	23,981	43	0.2%
30.9%	23,937	23,938	1	0.0%
32.1%	23,937	23,937	0	0.0%
33.3%	23,921	23,937	17	0.1%
34.6%	23,887	23,724	-164	-0.7%
35.8%	23,825	23,589	-235	-1.0%
37.0%	23,734	23,508	-226	-1.0%
38.3%	23,694	23,493	-201	-0.8%
39.5%	23,682	23,310	-372	-1.6%
40.7%	23,627	23,141	-485	-2.1%
42.0%	23,486	23,126	-361	-1.5%
43.2%	23,249	23,065	-183	-0.8%
44.4%	23,198	23,031	-167	-0.7%
45.7%	23,055	23,025	-30	-0.1%
46.9%	23,038	23,003	-35	-0.2%
48.1%	23,017	22,745	-272	-1.2%
49.4%	23,006	22,692	-315	-1.4%
50.6%	22,890	22,563	-327	-1.4%
51.9%	22,618	22,532	-86	-0.4%
53.1%	22,542	22,524	-18	-0.1%
54.3%	22,480	22,508	28	0.1%
55.6%	22,268	22,493	225	1.0%
56.8%	22,170	22,265	95	0.4%
58.0%	21,863	22,262	398	1.8%
59.3%	21,545	21,977	431	2.0%
60.5%	21,478	21,855	377	1.8%
61.7%	21,387	21,578	191	0.9%
63.0%	21,365	21,524	159	0.7%
64.2%	21,199	21,506	307	1.4%
65.4%	21,140	21,277	137	0.6%
66.7%	21,051	21,270	218	1.0%
67.9%	20,588	21,104	517	2.5%
69.1%	20,552	21,102	550	2.7%
70.4%	20,107	21,086	979	4.9%
71.6%	20,071	20,415	344	1.7%
72.8%	19,890	20,332	442	2.2%
74.1%	19,828	20,166	338	1.7%
75.3%	19,732	20,132	399	2.0%
76.5%	19,407	20,055	648	3.3%
77.8%	19,403	19,858	455	2.3%
79.0%	19,394	19,758	364	1.9%
80.2%	18,910	19,500	591	3.1%
81.5%	18,234	19,331	1,097	6.0%
82.7%	17,431	18,814	1,384	7.9%
84.0%	16,806	18,434	1,628	9.7%
85.2%	16,478	17,991	1,513	9.2%
86.4%	16,058	16,872	814	5.1%
87.7%	15,251	16,384	1,133	7.4%
88.9%	15,129	15,556	427	2.8%
90.1%	13,789	15,535	1,746	12.7%
91.4%	12,387	12,575	189	1.5%
92.6%	10,483	11,560	1,077	10.3%
93.8%	9,243	10,856	1,613	17.5%
95.1%	8,852	10,695	1,843	20.8%
96.3%	8,637	9,070	432	5.0%
97.5%	8,457	8,769	312	3.7%
98.8%	8,071	8,652	582	7.2%
100.0%	7,967	7,967	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,215	26,063	-152	-0.6%
1.2%	26,063	26,053	-11	0.0%
2.5%	26,053	26,011	-42	-0.2%
3.7%	26,011	26,009	-2	0.0%
4.9%	25,972	25,972	0	0.0%
6.2%	25,926	25,940	14	0.1%
7.4%	25,925	25,925	0	0.0%
8.6%	25,914	25,914	0	0.0%
9.9%	25,882	25,882	0	0.0%
11.1%	25,818	25,874	56	0.2%
12.3%	25,640	25,818	177	0.7%
13.6%	25,551	25,598	47	0.2%
14.8%	25,540	25,571	31	0.1%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,540	5	0.0%
18.5%	25,527	25,535	8	0.0%
19.8%	25,481	25,481	0	0.0%
21.0%	25,428	25,480	53	0.2%
22.2%	25,412	25,428	16	0.1%
23.5%	25,343	25,412	68	0.3%
24.7%	25,342	25,343	1	0.0%
25.9%	25,206	25,342	137	0.5%
27.2%	25,128	25,189	61	0.2%
28.4%	25,056	25,164	108	0.4%
29.6%	24,969	24,756	-213	-0.9%
30.9%	24,750	24,728	-22	-0.1%
32.1%	24,679	24,669	-10	0.0%
33.3%	24,669	24,573	-96	-0.4%
34.6%	24,634	24,557	-77	-0.3%
35.8%	24,573	24,551	-22	-0.1%
37.0%	24,557	24,546	-11	0.0%
38.3%	24,546	24,504	-43	-0.2%
39.5%	24,505	24,399	-106	-0.4%
40.7%	24,504	24,284	-219	-0.9%
42.0%	24,399	24,258	-141	-0.6%
43.2%	24,334	24,172	-162	-0.7%
44.4%	24,284	23,938	-347	-1.4%
45.7%	24,174	23,938	-237	-1.0%
46.9%	24,121	23,937	-183	-0.8%
48.1%	24,061	23,937	-123	-0.5%
49.4%	23,938	23,937	-1	0.0%
50.6%	23,938	23,887	-50	-0.2%
51.9%	23,937	23,834	-103	-0.4%
53.1%	23,937	23,780	-157	-0.7%
54.3%	23,937	23,724	-213	-0.9%
55.6%	23,807	23,547	-260	-1.1%
56.8%	23,787	22,928	-859	-3.6%
58.0%	23,384	22,898	-487	-2.1%
59.3%	22,694	22,805	111	0.5%
60.5%	22,684	22,695	11	0.0%
61.7%	22,583	22,541	-42	-0.2%
63.0%	22,484	22,462	-23	-0.1%
64.2%	22,461	22,344	-116	-0.5%
65.4%	22,411	22,305	-107	-0.5%
66.7%	22,378	22,266	-112	-0.5%
67.9%	22,258	22,150	-108	-0.5%
69.1%	22,184	22,129	-54	-0.2%
70.4%	22,124	21,974	-151	-0.7%
71.6%	22,024	21,923	-100	-0.5%
72.8%	22,001	21,727	-274	-1.2%
74.1%	21,934	21,716	-219	-1.0%
75.3%	21,714	21,688	-25	-0.1%
76.5%	21,466	21,502	36	0.2%
77.8%	21,252	21,455	202	1.0%
79.0%	20,785	21,303	518	2.5%
80.2%	20,753	20,852	99	0.5%
81.5%	20,693	20,623	-70	-0.3%
82.7%	20,327	20,543	216	1.1%
84.0%	19,862	20,069	207	1.0%
85.2%	19,767	19,975	208	1.1%
86.4%	18,091	19,967	1,876	10.4%
87.7%	17,646	19,714	2,068	11.7%
88.9%	17,282	19,601	2,318	13.4%
90.1%	16,310	17,144	834	5.1%
91.4%	14,444	15,550	1,106	7.7%
92.6%	14,361	14,560	198	1.4%
93.8%	13,245	13,345	101	0.8%
95.1%	10,267	11,631	1,364	13.3%
96.3%	10,157	11,136	980	9.6%
97.5%	9,584	10,978	1,394	14.5%
98.8%	9,316	10,935	1,620	17.4%
100.0%	9,137	10,157	1,020	11.2%

Table SW-09-3b
Shasta Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	29,486	-3	0.0%
1.2%	27,607	27,483	-123	-0.4%
2.5%	27,571	27,391	-179	-0.7%
3.7%	27,482	27,288	-193	-0.7%
4.9%	27,391	27,262	-129	-0.5%
6.2%	27,288	27,234	-54	-0.2%
7.4%	27,262	27,208	-54	-0.2%
8.6%	27,103	26,979	-123	-0.5%
9.9%	26,979	26,860	-119	-0.4%
11.1%	26,979	26,748	-231	-0.9%
12.3%	26,796	26,677	-119	-0.4%
13.6%	26,748	26,675	-73	-0.3%
14.8%	26,717	26,651	-66	-0.2%
16.0%	26,675	26,527	-148	-0.6%
17.3%	26,674	26,512	-162	-0.6%
18.5%	26,651	26,382	-269	-1.0%
19.8%	26,527	26,381	-145	-0.5%
21.0%	26,512	26,298	-213	-0.8%
22.2%	26,505	26,252	-253	-1.0%
23.5%	26,489	26,237	-252	-0.9%
24.7%	26,400	26,197	-203	-0.8%
25.9%	26,298	26,122	-176	-0.7%
27.2%	26,197	26,085	-112	-0.4%
28.4%	26,122	26,059	-63	-0.2%
29.6%	26,085	25,989	-96	-0.4%
30.9%	26,085	25,936	-148	-0.6%
32.1%	26,047	25,829	-218	-0.8%
33.3%	26,022	25,813	-209	-0.8%
34.6%	25,989	25,757	-231	-0.9%
35.8%	25,988	25,634	-354	-1.4%
37.0%	25,778	25,620	-158	-0.6%
38.3%	25,634	25,583	-51	-0.2%
39.5%	25,620	25,565	-55	-0.2%
40.7%	25,583	25,499	-83	-0.3%
42.0%	25,453	25,485	32	0.1%
43.2%	25,422	25,456	33	0.1%
44.4%	25,348	25,422	75	0.3%
45.7%	25,343	25,348	5	0.0%
46.9%	25,279	25,331	53	0.2%
48.1%	25,270	25,279	9	0.0%
49.4%	25,155	25,207	52	0.2%
50.6%	25,100	25,155	55	0.2%
51.9%	25,059	25,059	0	0.0%
53.1%	24,893	24,893	0	0.0%
54.3%	24,851	24,851	0	0.0%
55.6%	24,836	24,419	-417	-1.7%
56.8%	24,783	24,326	-457	-1.8%
58.0%	24,740	24,151	-589	-2.4%
59.3%	24,711	24,130	-581	-2.4%
60.5%	24,582	24,105	-477	-1.9%
61.7%	24,566	24,095	-471	-1.9%
63.0%	24,415	24,076	-339	-1.4%
64.2%	24,339	23,938	-402	-1.6%
65.4%	24,151	23,937	-214	-0.9%
66.7%	24,131	23,937	-194	-0.8%
67.9%	24,130	23,937	-192	-0.8%
69.1%	24,095	23,928	-167	-0.7%
70.4%	24,047	23,870	-177	-0.7%
71.6%	23,938	23,457	-481	-2.0%
72.8%	23,937	23,311	-627	-2.6%
74.1%	23,937	23,257	-680	-2.8%
75.3%	23,937	23,132	-805	-3.4%
76.5%	23,752	22,988	-763	-3.2%
77.8%	22,982	22,915	-67	-0.3%
79.0%	22,256	22,246	-10	0.0%
80.2%	22,005	21,868	-137	-0.6%
81.5%	21,840	21,714	-125	-0.6%
82.7%	21,815	21,588	-227	-1.0%
84.0%	21,272	21,474	201	0.9%
85.2%	21,232	21,376	144	0.7%
86.4%	19,969	21,332	1,363	6.8%
87.7%	19,866	20,446	580	2.9%
88.9%	18,551	20,159	1,608	8.7%
90.1%	17,794	19,854	2,060	11.6%
91.4%	17,560	17,743	183	1.0%
92.6%	16,910	17,655	744	4.4%
93.8%	14,547	15,723	1,176	8.1%
95.1%	13,783	15,192	1,410	10.2%
96.3%	12,620	13,132	512	4.1%
97.5%	12,598	12,598	0	0.0%
98.8%	10,583	12,056	1,473	13.9%
100.0%	9,614	11,927	2,313	24.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,239	28,877	-362	-1.2%
1.2%	28,833	28,833	0	0.0%
2.5%	28,803	28,715	-88	-0.3%
3.7%	28,730	28,700	-30	-0.1%
4.9%	28,715	28,687	-28	-0.1%
6.2%	28,700	28,614	-86	-0.3%
7.4%	28,687	28,603	-84	-0.3%
8.6%	28,614	28,601	-13	0.0%
9.9%	28,603	28,584	-19	-0.1%
11.1%	28,601	28,580	-21	-0.1%
12.3%	28,584	28,525	-58	-0.2%
13.6%	28,580	28,523	-57	-0.2%
14.8%	28,484	28,458	-26	-0.1%
16.0%	28,326	28,326	0	0.0%
17.3%	28,185	28,185	0	0.0%
18.5%	28,163	28,138	-25	-0.1%
19.8%	28,138	28,086	-51	-0.2%
21.0%	28,086	28,082	-4	0.0%
22.2%	28,082	28,044	-38	-0.1%
23.5%	28,001	27,936	-65	-0.2%
24.7%	27,936	27,882	-54	-0.2%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,723	27,723	0	0.0%
30.9%	27,674	27,674	0	0.0%
32.1%	27,631	27,631	0	0.0%
33.3%	27,546	27,546	0	0.0%
34.6%	27,527	27,527	0	0.0%
35.8%	27,501	27,501	0	0.0%
37.0%	27,481	27,481	0	0.0%
38.3%	27,444	27,430	-15	-0.1%
39.5%	27,430	27,374	-56	-0.2%
40.7%	27,387	27,374	-13	0.0%
42.0%	27,374	27,325	-49	-0.2%
43.2%	27,374	27,086	-287	-1.1%
44.4%	27,317	27,028	-289	-1.1%
45.7%	27,279	26,974	-306	-1.1%
46.9%	27,166	26,923	-243	-0.9%
48.1%	27,093	26,808	-284	-1.0%
49.4%	27,086	26,756	-331	-1.2%
50.6%	27,025	26,752	-273	-1.0%
51.9%	26,953	26,744	-210	-0.8%
53.1%	26,761	26,680	-81	-0.3%
54.3%	26,752	26,584	-167	-0.6%
55.6%	26,679	26,542	-136	-0.5%
56.8%	26,584	26,505	-80	-0.3%
58.0%	26,483	26,443	-40	-0.2%
59.3%	26,345	26,279	-66	-0.3%
60.5%	26,267	26,155	-113	-0.4%
61.7%	26,160	26,152	-8	0.0%
63.0%	26,153	26,111	-42	-0.2%
64.2%	26,103	25,733	-370	-1.4%
65.4%	25,738	25,616	-122	-0.5%
66.7%	25,626	25,444	-182	-0.7%
67.9%	25,492	25,355	-136	-0.5%
69.1%	25,475	25,283	-193	-0.8%
70.4%	25,444	25,276	-168	-0.7%
71.6%	25,283	24,915	-368	-1.5%
72.8%	24,915	24,816	-99	-0.4%
74.1%	24,816	24,813	-3	0.0%
75.3%	24,813	24,813	0	0.0%
76.5%	24,813	24,813	0	0.0%
77.8%	24,813	24,813	-1	0.0%
79.0%	24,777	24,430	-348	-1.4%
80.2%	24,509	24,239	-269	-1.1%
81.5%	24,054	23,834	-220	-0.9%
82.7%	23,193	23,665	471	2.0%
84.0%	23,052	23,661	609	2.6%
85.2%	22,689	23,653	964	4.2%
86.4%	22,625	23,645	1,020	4.5%
87.7%	22,509	23,293	784	3.5%
88.9%	22,119	22,640	522	2.4%
90.1%	21,730	21,664	-66	-0.3%
91.4%	19,789	21,368	1,578	8.0%
92.6%	18,797	20,087	1,290	6.9%
93.8%	17,021	18,191	1,169	6.9%
95.1%	16,417	17,772	1,355	8.3%
96.3%	15,034	15,607	573	3.8%
97.5%	14,218	15,034	817	5.7%
98.8%	13,836	14,884	1,048	7.6%
100.0%	13,771	14,701	931	6.8%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	29,974	29,974	0	0.0%
8.6%	29,953	29,872	-82	-0.3%
9.9%	29,872	29,852	-19	-0.1%
11.1%	29,788	29,837	49	0.2%
12.3%	29,776	29,776	0	0.0%
13.6%	29,771	29,769	-3	0.0%
14.8%	29,725	29,767	42	0.1%
16.0%	29,686	29,724	37	0.1%
17.3%	29,649	29,686	38	0.1%
18.5%	29,607	29,657	50	0.2%
19.8%	29,588	29,588	1	0.0%
21.0%	29,568	29,588	20	0.1%
22.2%	29,528	29,568	40	0.1%
23.5%	29,512	29,493	-19	-0.1%
24.7%	29,493	29,465	-28	-0.1%
25.9%	29,484	29,424	-60	-0.2%
27.2%	29,426	29,424	-2	0.0%
28.4%	29,424	29,369	-55	-0.2%
29.6%	29,338	29,368	31	0.1%
30.9%	29,328	29,359	31	0.1%
32.1%	29,261	29,338	77	0.3%
33.3%	29,096	29,195	99	0.3%
34.6%	29,065	29,096	32	0.1%
35.8%	29,058	29,058	0	0.0%
37.0%	29,055	29,042	-13	0.0%
38.3%	29,042	28,876	-166	-0.6%
39.5%	28,988	28,871	-117	-0.4%
40.7%	28,885	28,870	-14	0.0%
42.0%	28,876	28,759	-117	-0.4%
43.2%	28,871	28,647	-224	-0.8%
44.4%	28,871	28,595	-276	-1.0%
45.7%	28,795	28,561	-234	-0.8%
46.9%	28,617	28,444	-174	-0.6%
48.1%	28,561	28,430	-131	-0.5%
49.4%	28,389	28,374	-15	-0.1%
50.6%	28,374	28,329	-44	-0.2%
51.9%	28,219	28,219	0	0.0%
53.1%	28,194	28,194	0	0.0%
54.3%	28,080	28,035	-45	-0.2%
55.6%	28,035	27,993	-42	-0.1%
56.8%	27,997	27,949	-48	-0.2%
58.0%	27,949	27,880	-69	-0.2%
59.3%	27,904	27,812	-92	-0.3%
60.5%	27,880	27,769	-111	-0.4%
61.7%	27,693	27,750	57	0.2%
63.0%	27,634	27,598	-37	-0.1%
64.2%	27,589	27,541	-48	-0.2%
65.4%	27,426	27,524	98	0.4%
66.7%	27,389	27,485	96	0.4%
67.9%	27,324	27,440	116	0.4%
69.1%	27,284	27,413	129	0.5%
70.4%	27,151	27,409	258	1.0%
71.6%	26,990	27,373	383	1.4%
72.8%	26,957	27,165	208	0.8%
74.1%	26,855	27,055	200	0.7%
75.3%	26,827	26,964	137	0.5%
76.5%	26,754	26,884	130	0.5%
77.8%	26,610	26,834	224	0.8%
79.0%	26,595	26,683	89	0.3%
80.2%	26,446	26,000	-445	-1.7%
81.5%	25,860	25,728	-132	-0.5%
82.7%	25,396	25,419	23	0.1%
84.0%	24,227	24,511	285	1.2%
85.2%	23,379	24,038	660	2.8%
86.4%	23,268	23,560	292	1.3%
87.7%	22,544	23,256	712	3.2%
88.9%	21,709	23,134	1,424	6.6%
90.1%	20,985	21,025	39	0.2%
91.4%	20,446	20,985	540	2.6%
92.6%	17,962	19,694	1,732	9.6%
93.8%	17,874	19,225	1,351	7.6%
95.1%	17,420	19,128	1,709	9.8%
96.3%	17,007	18,731	1,724	10.1%
97.5%	14,594	16,684	2,090	14.3%
98.8%	14,564	16,237	1,672	11.5%
100.0%	14,219	15,462	1,244	8.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	30,000	0	0.0%
19.8%	30,000	30,000	0	0.0%
21.0%	30,000	30,000	0	0.0%
22.2%	30,000	30,000	0	0.0%
23.5%	30,000	30,000	0	0.0%
24.7%	30,000	30,000	0	0.0%
25.9%	30,000	30,000	0	0.0%
27.2%	30,000	30,000	0	0.0%
28.4%	30,000	30,000	0	0.0%
29.6%	30,000	30,000	0	0.0%
30.9%	30,000	30,000	0	0.0%
32.1%	30,000	30,000	0	0.0%
33.3%	30,000	29,962	-38	-0.1%
34.6%	29,959	29,923	-36	-0.1%
35.8%	29,899	29,832	-67	-0.2%
37.0%	29,755	29,715	-40	-0.1%
38.3%	29,753	29,587	-166	-0.6%
39.5%	29,720	29,587	-134	-0.4%
40.7%	29,700	29,585	-115	-0.4%
42.0%	29,596	29,583	-13	0.0%
43.2%	29,563	29,552	-11	0.0%
44.4%	29,518	29,533	15	0.0%
45.7%	29,472	29,526	54	0.2%
46.9%	29,454	29,464	10	0.0%
48.1%	29,166	29,309	143	0.5%
49.4%	28,826	29,266	440	1.5%
50.6%	28,768	28,750	-18	-0.1%
51.9%	28,741	28,730	-11	0.0%
53.1%	28,737	28,685	-52	-0.2%
54.3%	28,593	28,676	83	0.3%
55.6%	28,584	28,421	-163	-0.6%
56.8%	28,295	28,156	-139	-0.5%
58.0%	28,205	28,148	-58	-0.2%
59.3%	27,982	28,127	145	0.5%
60.5%	27,972	28,127	155	0.6%
61.7%	27,648	28,094	446	1.6%
63.0%	27,636	27,910	273	1.0%
64.2%	27,379	27,618	238	0.9%
65.4%	27,346	27,614	268	1.0%
66.7%	27,025	27,506	481	1.8%
67.9%	26,831	27,407	576	2.1%
69.1%	26,708	27,096	388	1.5%
70.4%	26,679	26,846	167	0.6%
71.6%	26,595	26,716	121	0.5%
72.8%	26,403	26,604	201	0.8%
74.1%	26,049	26,466	417	1.6%
75.3%	25,933	26,461	528	2.0%
76.5%	25,913	25,933	20	0.1%
77.8%	25,737	25,929	191	0.7%
79.0%	25,652	25,831	179	0.7%
80.2%	25,567	25,750	184	0.7%
81.5%	25,387	25,505	118	0.5%
82.7%	24,762	24,873	111	0.4%
84.0%	24,332	24,810	478	2.0%
85.2%	23,256	24,179	922	4.0%
86.4%	22,851	24,000	1,150	5.0%
87.7%	22,655	22,937	282	1.2%
88.9%	22,620	22,728	107	0.5%
90.1%	22,458	22,666	208	0.9%
91.4%	18,801	19,617	816	4.3%
92.6%	17,737	19,588	1,851	10.4%
93.8%	16,595	18,573	1,978	11.9%
95.1%	16,054	18,168	2,114	13.2%
96.3%	15,680	17,613	1,933	12.3%
97.5%	15,482	17,560	2,078	13.4%
98.8%	15,148	17,222	2,074	13.7%
100.0%	13,413	14,678	1,265	9.4%

Table SW-09-3b
Shasta Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,718	-58	-0.2%
3.7%	29,776	29,626	-150	-0.5%
4.9%	29,776	29,533	-243	-0.8%
6.2%	29,776	29,525	-252	-0.8%
7.4%	29,776	29,523	-254	-0.9%
8.6%	29,776	29,507	-270	-0.9%
9.9%	29,626	29,464	-162	-0.5%
11.1%	29,626	29,409	-217	-0.7%
12.3%	29,619	29,397	-222	-0.7%
13.6%	29,516	29,344	-172	-0.6%
14.8%	29,433	29,278	-155	-0.5%
16.0%	29,129	29,186	57	0.2%
17.3%	29,125	29,127	1	0.0%
18.5%	29,096	29,050	-45	-0.2%
19.8%	29,084	29,013	-71	-0.2%
21.0%	29,057	29,009	-48	-0.2%
22.2%	29,041	28,912	-129	-0.4%
23.5%	28,994	28,910	-85	-0.3%
24.7%	28,864	28,910	46	0.2%
25.9%	28,801	28,900	99	0.3%
27.2%	28,678	28,817	138	0.5%
28.4%	28,651	28,796	145	0.5%
29.6%	28,601	28,765	165	0.6%
30.9%	28,586	28,765	179	0.6%
32.1%	28,486	28,698	212	0.7%
33.3%	28,458	28,678	220	0.8%
34.6%	28,435	28,528	93	0.3%
35.8%	28,408	28,502	94	0.3%
37.0%	28,339	28,424	85	0.3%
38.3%	27,968	28,297	329	1.2%
39.5%	27,787	28,135	348	1.3%
40.7%	27,775	28,086	312	1.1%
42.0%	27,747	28,077	331	1.2%
43.2%	27,685	28,055	371	1.3%
44.4%	27,587	28,026	440	1.6%
45.7%	27,577	27,984	408	1.5%
46.9%	27,516	27,879	363	1.3%
48.1%	27,141	27,787	646	2.4%
49.4%	27,121	27,596	474	1.7%
50.6%	27,074	27,430	356	1.3%
51.9%	26,995	27,308	313	1.2%
53.1%	26,939	27,192	253	0.9%
54.3%	26,910	27,167	257	1.0%
55.6%	26,702	27,053	351	1.3%
56.8%	26,663	27,011	349	1.3%
58.0%	26,554	27,003	449	1.7%
59.3%	26,505	26,692	187	0.7%
60.5%	26,390	26,608	218	0.8%
61.7%	26,233	26,602	369	1.4%
63.0%	26,128	26,550	423	1.6%
64.2%	26,109	26,511	402	1.5%
65.4%	25,851	26,144	293	1.1%
66.7%	25,607	25,971	364	1.4%
67.9%	25,463	25,811	348	1.4%
69.1%	24,883	25,503	620	2.5%
70.4%	24,793	25,494	701	2.8%
71.6%	24,791	25,088	296	1.2%
72.8%	24,731	25,018	287	1.2%
74.1%	24,186	24,956	770	3.2%
75.3%	23,806	24,790	984	4.1%
76.5%	23,664	24,338	674	2.8%
77.8%	23,659	23,956	297	1.3%
79.0%	23,659	23,905	245	1.0%
80.2%	23,418	23,856	438	1.9%
81.5%	23,403	23,754	351	1.5%
82.7%	22,023	23,149	1,126	5.1%
84.0%	21,981	23,090	1,109	5.0%
85.2%	21,426	22,905	1,479	6.9%
86.4%	21,408	21,586	178	0.8%
87.7%	21,373	21,509	136	0.6%
88.9%	20,934	21,485	550	2.6%
90.1%	19,966	21,201	1,236	6.2%
91.4%	16,257	17,958	1,700	10.5%
92.6%	16,108	17,034	926	5.7%
93.8%	14,438	16,365	1,927	13.3%
95.1%	14,241	16,260	2,018	14.2%
96.3%	13,904	15,820	1,917	13.8%
97.5%	13,184	15,003	1,819	13.8%
98.8%	12,568	14,452	1,884	15.0%
100.0%	9,666	11,400	1,734	17.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,275	0	0.0%
3.7%	28,275	28,152	-123	-0.4%
4.9%	28,275	28,123	-152	-0.5%
6.2%	28,275	28,051	-224	-0.8%
7.4%	28,113	27,974	-139	-0.5%
8.6%	28,060	27,922	-138	-0.5%
9.9%	27,970	27,878	-92	-0.3%
11.1%	27,798	27,858	60	0.2%
12.3%	27,785	27,783	-2	0.0%
13.6%	27,742	27,637	-105	-0.4%
14.8%	27,610	27,608	-2	0.0%
16.0%	27,525	27,504	-21	-0.1%
17.3%	27,515	27,399	-117	-0.4%
18.5%	27,389	27,359	-29	-0.1%
19.8%	27,351	27,355	4	0.0%
21.0%	27,336	27,205	-131	-0.5%
22.2%	27,274	27,149	-126	-0.5%
23.5%	27,056	26,786	-270	-1.0%
24.7%	26,466	26,755	288	1.1%
25.9%	26,421	26,722	302	1.1%
27.2%	26,326	26,662	336	1.3%
28.4%	26,318	26,661	343	1.3%
29.6%	26,272	26,640	368	1.4%
30.9%	26,210	26,626	416	1.6%
32.1%	25,986	26,451	466	1.8%
33.3%	25,918	26,415	497	1.9%
34.6%	25,901	26,279	378	1.5%
35.8%	25,716	26,122	406	1.6%
37.0%	25,625	25,992	367	1.4%
38.3%	25,154	25,953	800	3.2%
39.5%	25,058	25,900	842	3.4%
40.7%	24,798	25,712	915	3.7%
42.0%	24,771	25,650	879	3.5%
43.2%	24,770	25,638	868	3.5%
44.4%	24,727	25,550	823	3.3%
45.7%	24,669	25,277	608	2.5%
46.9%	24,662	24,994	332	1.3%
48.1%	24,619	24,993	374	1.5%
49.4%	24,597	24,982	385	1.6%
50.6%	24,520	24,716	196	0.8%
51.9%	24,487	24,669	181	0.7%
53.1%	24,439	24,553	113	0.5%
54.3%	24,374	24,536	162	0.7%
55.6%	24,074	24,151	78	0.3%
56.8%	23,963	24,137	174	0.7%
58.0%	23,696	24,109	413	1.7%
59.3%	23,691	24,029	338	1.4%
60.5%	23,659	23,786	126	0.5%
61.7%	23,518	23,766	248	1.1%
63.0%	23,389	23,659	270	1.2%
64.2%	23,323	23,657	334	1.4%
65.4%	23,196	23,546	350	1.5%
66.7%	22,792	23,331	538	2.4%
67.9%	22,506	23,071	564	2.5%
69.1%	22,470	22,530	60	0.3%
70.4%	21,948	22,332	384	1.7%
71.6%	21,914	22,191	277	1.3%
72.8%	21,766	22,022	256	1.2%
74.1%	21,404	21,919	515	2.4%
75.3%	21,360	21,842	482	2.3%
76.5%	21,166	21,744	578	2.7%
77.8%	21,052	21,655	603	2.9%
79.0%	20,850	21,362	512	2.5%
80.2%	20,452	21,165	713	3.5%
81.5%	20,416	21,109	693	3.4%
82.7%	19,317	20,200	883	4.6%
84.0%	19,234	20,132	898	4.7%
85.2%	19,106	19,805	699	3.7%
86.4%	18,531	19,764	1,233	6.7%
87.7%	18,512	18,856	344	1.9%
88.9%	18,133	18,317	184	1.0%
90.1%	17,001	18,294	1,293	7.6%
91.4%	14,105	15,758	1,653	11.7%
92.6%	13,578	14,496	918	6.8%
93.8%	12,848	13,966	1,117	8.7%
95.1%	11,766	13,837	2,071	17.6%
96.3%	10,972	13,726	2,754	25.1%
97.5%	9,818	11,826	2,008	20.4%
98.8%	7,828	11,321	3,493	44.6%
100.0%	7,478	8,151	673	9.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,331	0	0.0%
11.1%	26,331	26,331	0	0.0%
12.3%	26,331	26,331	0	0.0%
13.6%	26,331	26,331	0	0.0%
14.8%	26,331	26,331	0	0.0%
16.0%	26,234	26,292	58	0.2%
17.3%	26,073	26,220	148	0.6%
18.5%	26,071	26,114	43	0.2%
19.8%	25,897	25,940	43	0.2%
21.0%	25,752	25,892	140	0.5%
22.2%	25,649	25,697	49	0.2%
23.5%	25,469	25,408	-60	-0.2%
24.7%	24,833	25,290	457	1.8%
25.9%	24,739	25,233	494	2.0%
27.2%	24,622	25,083	461	1.9%
28.4%	24,553	25,049	496	2.0%
29.6%	24,373	25,020	647	2.7%
30.9%	24,371	24,867	495	2.0%
32.1%	24,359	24,849	489	2.0%
33.3%	24,180	24,774	594	2.5%
34.6%	24,117	24,359	242	1.0%
35.8%	23,929	24,343	414	1.7%
37.0%	23,748	24,329	581	2.4%
38.3%	23,711	24,288	577	2.4%
39.5%	23,687	24,169	482	2.0%
40.7%	23,187	24,146	959	4.1%
42.0%	23,162	24,042	880	3.8%
43.2%	23,070	23,807	738	3.2%
44.4%	22,986	23,796	810	3.5%
45.7%	22,946	23,461	515	2.2%
46.9%	22,909	23,358	449	2.0%
48.1%	22,798	23,243	445	2.0%
49.4%	22,691	23,149	458	2.0%
50.6%	22,681	23,137	457	2.0%
51.9%	22,331	23,111	780	3.5%
53.1%	22,306	23,043	736	3.3%
54.3%	22,276	22,567	291	1.3%
55.6%	22,220	22,554	334	1.5%
56.8%	22,060	22,531	471	2.1%
58.0%	22,041	22,503	462	2.1%
59.3%	21,864	22,277	413	1.9%
60.5%	21,832	22,267	435	2.0%
61.7%	21,797	21,966	169	0.8%
63.0%	21,485	21,779	294	1.4%
64.2%	21,250	21,749	498	2.3%
65.4%	20,994	21,717	723	3.4%
66.7%	20,977	21,639	661	3.2%
67.9%	20,844	21,338	494	2.4%
69.1%	20,680	21,282	601	2.9%
70.4%	20,641	21,011	370	1.8%
71.6%	20,634	20,955	321	1.6%
72.8%	20,545	20,729	184	0.9%
74.1%	20,377	20,697	321	1.6%
75.3%	19,815	20,486	671	3.4%
76.5%	19,554	20,214	660	3.4%
77.8%	19,533	19,810	277	1.4%
79.0%	18,637	19,721	1,084	5.8%
80.2%	17,995	19,597	1,602	8.9%
81.5%	17,866	19,304	1,439	8.1%
82.7%	17,577	18,286	709	4.0%
84.0%	17,280	17,797	517	3.0%
85.2%	17,120	17,797	676	3.9%
86.4%	16,626	17,631	1,004	6.0%
87.7%	15,891	16,394	503	3.2%
88.9%	15,479	16,134	655	4.2%
90.1%	15,389	15,689	300	2.0%
91.4%	12,318	13,110	792	6.4%
92.6%	11,791	13,018	1,227	10.4%
93.8%	11,166	12,181	1,015	9.1%
95.1%	8,692	11,826	3,134	36.1%
96.3%	7,763	10,159	2,396	30.9%
97.5%	7,069	8,076	1,007	14.2%
98.8%	7,002	7,956	954	13.6%
100.0%	7,002	7,172	170	2.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,728	24,728	0	0.0%
4.9%	24,719	24,728	9	0.0%
6.2%	24,680	24,728	48	0.2%
7.4%	24,644	24,728	84	0.3%
8.6%	24,620	24,728	108	0.4%
9.9%	24,610	24,728	118	0.5%
11.1%	24,601	24,728	126	0.5%
12.3%	24,591	24,728	137	0.6%
13.6%	24,476	24,728	252	1.0%
14.8%	24,473	24,708	235	1.0%
16.0%	24,455	24,607	152	0.6%
17.3%	24,372	24,452	80	0.3%
18.5%	23,882	24,344	462	1.9%
19.8%	23,855	24,239	384	1.6%
21.0%	23,829	24,174	344	1.4%
22.2%	23,656	24,067	411	1.7%
23.5%	23,650	24,005	355	1.5%
24.7%	23,592	23,995	403	1.7%
25.9%	23,500	23,764	264	1.1%
27.2%	23,445	23,753	308	1.3%
28.4%	23,373	23,740	367	1.6%
29.6%	23,362	23,725	363	1.6%
30.9%	23,226	23,720	494	2.1%
32.1%	23,036	23,667	631	2.7%
33.3%	23,005	23,659	654	2.8%
34.6%	22,935	23,655	720	3.1%
35.8%	22,740	23,501	761	3.3%
37.0%	22,710	23,474	764	3.4%
38.3%	22,479	23,348	869	3.9%
39.5%	22,464	23,339	875	3.9%
40.7%	22,432	23,250	818	3.6%
42.0%	22,396	23,242	845	3.8%
43.2%	22,348	23,207	859	3.8%
44.4%	22,275	23,181	907	4.1%
45.7%	22,210	22,792	582	2.6%
46.9%	22,167	22,790	623	2.8%
48.1%	22,033	22,770	736	3.3%
49.4%	22,011	22,704	694	3.2%
50.6%	21,759	22,480	721	3.3%
51.9%	21,724	22,358	634	2.9%
53.1%	21,680	22,243	563	2.6%
54.3%	21,646	22,223	577	2.7%
55.6%	21,633	22,139	506	2.3%
56.8%	21,503	21,953	450	2.1%
58.0%	21,501	21,810	309	1.4%
59.3%	21,034	21,780	746	3.5%
60.5%	20,795	21,611	816	3.9%
61.7%	20,762	21,559	797	3.8%
63.0%	20,699	21,344	645	3.1%
64.2%	20,615	21,007	392	1.9%
65.4%	20,535	20,970	436	2.1%
66.7%	20,291	20,916	626	3.1%
67.9%	20,211	20,659	448	2.2%
69.1%	20,160	20,658	499	2.5%
70.4%	20,122	20,589	467	2.3%
71.6%	19,862	20,567	704	3.5%
72.8%	19,328	20,270	942	4.9%
74.1%	18,960	20,194	1,233	6.5%
75.3%	18,943	19,906	964	5.1%
76.5%	18,844	19,515	671	3.6%
77.8%	18,391	19,508	1,117	6.1%
79.0%	18,369	18,983	615	3.3%
80.2%	18,340	18,856	517	2.8%
81.5%	17,589	18,670	1,081	6.1%
82.7%	17,514	18,049	535	3.1%
84.0%	17,337	17,784	448	2.6%
85.2%	16,601	17,312	711	4.3%
86.4%	16,475	16,852	377	2.3%
87.7%	14,808	15,918	1,110	7.5%
88.9%	14,763	15,893	1,130	7.7%
90.1%	14,722	15,414	692	4.7%
91.4%	11,601	12,511	910	7.8%
92.6%	10,412	12,487	2,075	19.9%
93.8%	10,363	10,792	429	4.1%
95.1%	7,751	8,947	1,196	15.4%
96.3%	7,171	8,549	1,378	19.2%
97.5%	7,002	8,278	1,276	18.2%
98.8%	7,002	8,194	1,193	17.0%
100.0%	7,002	7,002	0	0.0%

Table SW-10-3a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative A	6,266	6,408	7,521	8,712	10,706	8,374	6,582	7,582	10,416	12,991	10,318	7,784
Difference	75	35	826	438	494	-182	-360	-284	-429	-218	-233	-285
Percent Difference[3]	1.2%	0.5%	12.3%	5.3%	4.8%	-2.1%	-5.2%	-3.6%	-4.0%	-1.7%	-2.2%	-3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative A	7,562	8,084	8,420	16,410	18,737	16,107	9,452	9,504	10,610	12,609	10,738	11,861
Difference	267	-565	1,052	512	380	-120	-27	40	95	-354	-279	-515
Percent Difference	3.7%	-6.5%	14.3%	3.2%	2.1%	-0.7%	-0.3%	0.4%	0.9%	-2.7%	-2.5%	-4.2%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative A	6,125	8,489	8,016	7,651	14,650	8,366	6,180	7,758	10,615	13,978	10,164	7,344
Difference	173	216	1,172	14	497	-46	87	66	-721	-316	-538	-853
Percent Difference	2.9%	2.6%	17.1%	0.2%	3.5%	-0.5%	1.4%	0.9%	-6.4%	-2.2%	-5.0%	-10.4%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative A	5,732	5,529	8,727	4,724	6,300	4,540	5,299	6,767	9,956	12,733	9,584	5,494
Difference	470	462	808	439	600	-206	132	-191	-778	-264	-597	97
Percent Difference	8.9%	9.1%	10.2%	10.2%	10.5%	-4.3%	2.6%	-2.7%	-7.3%	-2.0%	-5.9%	1.8%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative A	5,425	4,922	7,660	4,597	4,508	3,543	4,614	6,363	10,520	13,510	10,309	5,433
Difference	-511	458	745	708	744	-335	-1,034	-845	-724	84	-373	-223
Percent Difference	-8.6%	10.3%	10.8%	18.2%	19.8%	-8.6%	-18.3%	-11.7%	-6.4%	0.6%	-3.5%	-3.9%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative A	5,480	3,950	3,464	3,920	3,796	3,346	5,216	6,022	10,181	12,357	10,432	5,586
Difference	-23	19	133	296	243	-192	-1,090	-604	-425	-226	808	241
Percent Difference	-0.4%	0.5%	4.0%	8.2%	6.8%	-5.4%	-17.3%	-9.1%	-4.0%	-1.8%	8.4%	4.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-10-3b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

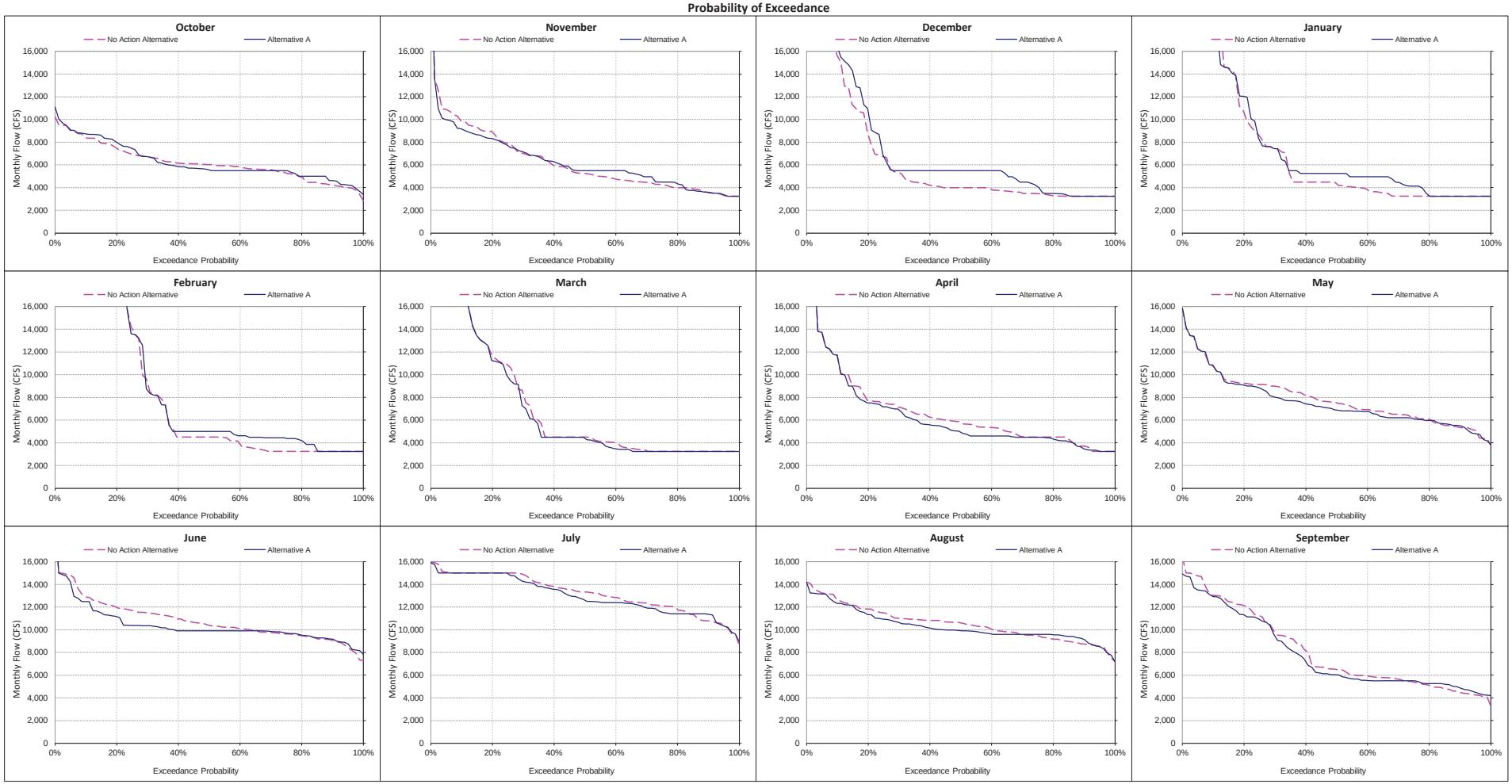

Table SW-10-3b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	11,122	879	8.6%
1.2%	9,547	10,061	514	5.4%
2.5%	9,499	9,684	185	1.9%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,048	-84	-0.9%
6.2%	8,999	9,038	39	0.4%
7.4%	8,745	8,815	70	0.8%
8.6%	8,730	8,809	79	0.9%
9.9%	8,370	8,737	367	4.4%
11.1%	8,361	8,700	338	4.0%
12.3%	8,352	8,684	332	4.0%
13.6%	8,299	8,659	360	4.3%
14.8%	7,926	8,626	700	8.8%
16.0%	7,889	8,361	473	6.0%
17.3%	7,852	8,320	468	6.0%
18.5%	7,727	8,265	538	7.0%
19.8%	7,525	8,035	509	6.8%
21.0%	7,275	7,812	537	7.4%
22.2%	7,215	7,638	423	5.9%
23.5%	7,087	7,612	525	7.4%
24.7%	6,974	7,492	518	7.4%
25.9%	6,848	7,355	507	7.4%
27.2%	6,820	6,872	52	0.8%
28.4%	6,788	6,748	-41	-0.6%
29.6%	6,701	6,736	34	0.5%
30.9%	6,670	6,671	1	0.0%
32.1%	6,641	6,596	-45	-0.7%
33.3%	6,561	6,200	-360	-5.5%
34.6%	6,428	6,156	-273	-4.2%
35.8%	6,303	6,059	-244	-3.9%
37.0%	6,280	5,993	-288	-4.6%
38.3%	6,266	5,965	-301	-4.8%
39.5%	6,171	5,864	-307	-5.0%
40.7%	6,153	5,841	-312	-5.1%
42.0%	6,130	5,826	-303	-4.9%
43.2%	6,112	5,721	-391	-6.4%
44.4%	6,099	5,721	-378	-6.2%
45.7%	6,096	5,702	-394	-6.5%
46.9%	6,089	5,673	-416	-6.8%
48.1%	6,042	5,653	-389	-6.4%
49.4%	6,033	5,606	-427	-7.1%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,500	-100	-1.8%
69.1%	5,592	5,500	-92	-1.7%
70.4%	5,570	5,500	-70	-1.3%
71.6%	5,481	5,500	19	0.3%
72.8%	5,377	5,500	123	2.3%
74.1%	5,367	5,500	133	2.5%
75.3%	5,248	5,491	243	4.6%
76.5%	5,205	5,332	127	2.4%
77.8%	5,172	5,249	76	1.5%
79.0%	4,996	5,000	4	0.1%
80.2%	4,889	5,000	111	2.3%
81.5%	4,477	5,000	523	11.7%
82.7%	4,475	5,000	525	11.7%
84.0%	4,464	5,000	536	12.0%
85.2%	4,444	5,000	556	12.5%
86.4%	4,363	5,000	637	14.6%
87.7%	4,328	5,000	672	15.5%
88.9%	4,256	4,625	369	8.7%
90.1%	4,231	4,624	394	9.3%
91.4%	4,148	4,567	419	10.1%
92.6%	4,108	4,298	190	4.6%
93.8%	4,052	4,264	211	5.2%
95.1%	4,000	4,220	220	5.5%
96.3%	3,955	4,178	223	5.6%
97.5%	3,774	3,941	167	4.4%
98.8%	3,390	3,659	269	7.9%
100.0%	2,836	3,390	554	19.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	28,206	696	2.5%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	10,931	-1,589	-12.7%
3.7%	10,931	10,114	-817	-7.5%
4.9%	10,889	9,993	-896	-8.2%
6.2%	10,724	9,925	-799	-7.4%
7.4%	10,436	9,787	-649	-6.2%
8.6%	10,295	9,224	-1,071	-10.4%
9.9%	9,856	9,186	-670	-6.8%
11.1%	9,831	9,014	-816	-8.3%
12.3%	9,497	8,896	-600	-6.3%
13.6%	9,433	8,790	-643	-6.8%
14.8%	9,384	8,663	-721	-7.7%
16.0%	9,095	8,623	-472	-5.2%
17.3%	8,986	8,456	-530	-5.9%
18.5%	8,949	8,346	-603	-6.7%
19.8%	8,948	8,340	-608	-6.8%
21.0%	8,590	8,226	-364	-4.2%
22.2%	8,173	8,105	-68	-0.8%
23.5%	8,012	7,918	-95	-1.2%
24.7%	7,918	7,771	-146	-1.8%
25.9%	7,839	7,504	-335	-4.3%
27.2%	7,482	7,479	-3	0.0%
28.4%	7,071	7,274	203	2.9%
29.6%	7,043	7,174	132	1.9%
30.9%	6,937	7,067	129	1.9%
32.1%	6,822	6,852	30	0.4%
33.3%	6,803	6,826	23	0.3%
34.6%	6,799	6,758	-41	-0.6%
35.8%	6,758	6,596	-162	-2.4%
37.0%	6,493	6,398	-95	-1.5%
38.3%	6,296	6,339	43	0.7%
39.5%	6,015	6,312	297	4.9%
40.7%	5,857	6,193	336	5.7%
42.0%	5,849	6,058	208	3.6%
43.2%	5,827	5,904	77	1.3%
44.4%	5,673	5,901	228	4.0%
45.7%	5,437	5,606	169	3.1%
46.9%	5,321	5,500	179	3.4%
48.1%	5,279	5,500	221	4.2%
49.4%	5,250	5,500	250	4.8%
50.6%	5,229	5,500	271	5.2%
51.9%	5,174	5,500	326	6.3%
53.1%	5,068	5,500	432	8.5%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,500	854	18.4%
64.2%	4,630	5,300	670	14.5%
65.4%	4,553	5,281	728	16.0%
66.7%	4,521	5,192	671	14.8%
67.9%	4,511	5,112	601	13.3%
69.1%	4,473	4,950	477	10.7%
70.4%	4,458	4,950	492	11.0%
71.6%	4,430	4,950	520	11.7%
72.8%	4,286	4,504	218	5.1%
74.1%	4,279	4,500	221	5.2%
75.3%	4,242	4,500	258	6.1%
76.5%	4,194	4,500	306	7.3%
77.8%	4,062	4,500	438	10.8%
79.0%	4,000	4,469	469	11.7%
80.2%	4,000	4,318	318	8.0%
81.5%	4,000	4,250	250	6.3%
82.7%	4,000	3,830	-170	-4.2%
84.0%	4,000	3,761	-239	-6.0%
85.2%	3,885	3,754	-131	-3.4%
86.4%	3,834	3,690	-144	-3.8%
87.7%	3,755	3,669	-86	-2.3%
88.9%	3,635	3,599	-36	-1.0%
90.1%	3,556	3,598	42	1.2%
91.4%	3,499	3,526	26	0.8%
92.6%	3,481	3,499	18	0.5%
93.8%	3,434	3,481	47	1.4%
95.1%	3,297	3,371	74	2.2%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	26,433	205	0.8%
1.2%	24,964	24,725	-239	-1.0%
2.5%	24,622	24,622	0	0.0%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	21,186	-431	-2.0%
6.2%	20,314	20,314	0	0.0%
7.4%	18,063	18,653	590	3.3%
8.6%	17,244	16,924	-319	-1.9%
9.9%	15,658	16,427	769	4.9%
11.1%	15,051	15,473	421	2.8%
12.3%	12,935	15,133	2,198	17.0%
13.6%	12,898	14,802	1,904	14.8%
14.8%	11,307	14,322	3,015	26.7%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,808	2,122	19.9%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,804	9,061	1,257	16.1%
22.2%	6,930	8,842	1,911	27.6%
23.5%	6,907	8,699	1,792	26.0%
24.7%	6,742	6,907	165	2.4%
25.9%	6,656	6,225	-431	-6.5%
27.2%	5,642	5,574	-68	-1.2%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,376	5,500	1,124	25.7%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,305	1,598	43.1%
65.4%	3,690	4,950	1,260	34.2%
66.7%	3,650	4,950	1,300	35.6%
67.9%	3,609	4,753	1,144	31.7%
69.1%	3,595	4,500	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,378	888	25.4%
74.1%	3,481	4,250	769	22.1%
75.3%	3,472	4,000	528	15.2%
76.5%	3,471	3,525	54	1.6%
77.8%	3,392	3,494	102	3.0%
79.0%	3,327	3,493	166	5.0%
80.2%	3,257	3,490	233	7.1%
81.5%	3,251	3,472	221	6.8%
82.7%	3,250	3,471	221	6.8%
84.0%	3,250	3,392	142	4.4%
85.2%	3,250	3,269	19	0.6%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,735	52,735	0	0.0%
1.2%	38,615	38,615	0	0.0%
2.5%	34,203	34,203	0	0.0%
3.7%	30,587	30,587	0	0.0%
4.9%	26,924	28,587	1,664	6.2%
6.2%	25,153	25,153	0	0.0%
7.4%	24,008	22,920	-1,088	-4.5%
8.6%	20,927	20,927	0	0.0%
9.9%	19,053	19,053	0	0.0%
11.1%	18,323	18,323	0	0.0%
12.3%	18,115	14,826	-3,289	-18.2%
13.6%	14,598	14,598	0	0.0%
14.8%	14,544	14,544	0	0.0%
16.0%	14,354	14,099	-254	-1.8%
17.3%	13,878	13,878	0	0.0%
18.5%	11,161	12,062	901	8.1%
19.8%	10,786	12,034	1,247	11.6%
21.0%	9,852	11,969	2,117	21.5%
22.2%	9,385	10,064	679	7.2%
23.5%	8,989	9,852	863	9.6%
24.7%	8,666	8,333	-333	-3.8%
25.9%	8,193	7,682	-511	-6.2%
27.2%	7,628	7,628	0	0.0%
28.4%	7,626	7,626	0	0.0%
29.6%	7,446	7,446	0	0.0%
30.9%	7,419	7,419	0	0.0%
32.1%	7,140	6,488	-652	-9.1%
33.3%	7,049	6,321	-728	-10.3%
34.6%	5,316	5,500	184	3.5%
35.8%	4,500	5,500	1,000	22.2%
37.0%	4,500	5,500	1,000	22.2%
38.3%	4,500	5,250	750	16.7%
39.5%	4,500	5,250	750	16.7%
40.7%	4,500	5,250	750	16.7%
42.0%	4,500	5,250	750	16.7%
43.2%	4,500	5,250	750	16.7%
44.4%	4,500	5,250	750	16.7%
45.7%	4,500	5,250	750	16.7%
46.9%	4,500	5,250	750	16.7%
48.1%	4,500	5,250	750	16.7%
49.4%	4,465	5,250	785	17.6%
50.6%	4,202	5,250	1,048	24.9%
51.9%	4,165	5,250	1,085	26.0%
53.1%	4,087	5,250	1,163	28.4%
54.3%	4,082	4,950	868	21.3%
55.6%	4,040	4,950	910	22.5%
56.8%	4,025	4,950	925	23.0%
58.0%	3,979	4,950	971	24.4%
59.3%	3,926	4,950	1,024	26.1%
60.5%	3,738	4,950	1,212	32.4%
61.7%	3,638	4,950	1,312	36.1%
63.0%	3,629	4,950	1,321	36.4%
64.2%	3,584	4,950	1,366	38.1%
65.4%	3,502	4,950	1,448	41.4%
66.7%	3,488	4,950	1,462	41.9%
67.9%	3,255	4,775	1,520	46.7%
69.1%	3,250	4,500	1,250	38.5%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,277	1,027	31.6%
72.8%	3,250	4,165	915	28.2%
74.1%	3,250	4,125	875	26.9%
75.3%	3,250	4,125	875	26.9%
76.5%	3,250	4,125	875	26.9%
77.8%	3,250	3,944	694	21.4%
79.0%	3,250	3,488	238	7.3%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-3b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,331	3,324	7.6%
1.2%	42,028	44,007	1,979	4.7%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	32,490	12	0.0%
6.2%	31,736	31,735	-1	0.0%
7.4%	30,069	30,069	0	0.0%
8.6%	28,992	29,547	556	1.9%
9.9%	27,512	27,970	458	1.7%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	0	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	15,705	0	0.0%
24.7%	14,217	13,598	-619	-4.4%
25.9%	13,598	13,545	-53	-0.4%
27.2%	13,212	13,212	0	0.0%
28.4%	9,952	12,585	2,634	26.5%
29.6%	9,642	8,756	-886	-9.2%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,197	-126	-1.5%
33.3%	8,164	8,164	0	0.0%
34.6%	7,864	7,354	-510	-6.5%
35.8%	7,324	7,328	4	0.1%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	5,000	793	18.9%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,625	479	11.6%
60.5%	3,679	4,625	946	25.7%
61.7%	3,637	4,625	988	27.2%
63.0%	3,588	4,500	912	25.4%
64.2%	3,525	4,500	975	27.7%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,500	1,086	31.8%
67.9%	3,351	4,455	1,104	33.0%
69.1%	3,250	4,455	1,205	37.1%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,375	1,125	34.6%
76.5%	3,250	4,375	1,125	34.6%
77.8%	3,250	4,375	1,125	34.6%
79.0%	3,250	4,297	1,047	32.2%
80.2%	3,250	4,146	896	27.6%
81.5%	3,250	3,875	625	19.2%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,101	41,104	2	0.0%
2.5%	40,248	40,237	-11	0.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	23,386	-3,158	-11.9%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	18,544	0	0.0%
11.1%	17,063	17,345	282	1.7%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,254	-466	-4.0%
21.0%	11,423	11,165	-257	-2.3%
22.2%	11,165	11,085	-81	-0.7%
23.5%	11,012	10,926	-86	-0.8%
24.7%	10,926	9,951	-976	-8.9%
25.9%	10,601	9,444	-1,157	-10.9%
27.2%	9,911	9,184	-728	-7.3%
28.4%	8,704	9,161	457	5.3%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,984	-545	-7.2%
32.1%	7,278	6,125	-1,153	-15.8%
33.3%	6,125	6,078	-47	-0.8%
34.6%	6,078	5,728	-350	-5.8%
35.8%	5,728	4,500	-1,228	-21.4%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,278	-222	-4.9%
51.9%	4,461	4,250	-211	-4.7%
53.1%	4,250	4,134	-116	-2.7%
54.3%	4,143	4,048	-95	-2.3%
55.6%	4,134	3,979	-155	-3.8%
56.8%	4,087	3,678	-409	-10.0%
58.0%	4,060	3,602	-458	-11.3%
59.3%	4,048	3,510	-538	-13.3%
60.5%	3,979	3,436	-542	-13.6%
61.7%	3,658	3,422	-236	-6.4%
63.0%	3,602	3,422	-181	-5.0%
64.2%	3,510	3,419	-91	-2.6%
65.4%	3,494	3,250	-244	-7.0%
66.7%	3,436	3,250	-186	-5.4%
67.9%	3,422	3,250	-172	-5.0%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,037	0	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,795	-3	0.0%
4.9%	13,739	13,739	0	0.0%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,004	-983	-9.8%
14.8%	9,031	9,000	-31	-0.3%
16.0%	9,000	8,184	-816	-9.1%
17.3%	8,925	7,837	-1,088	-12.2%
18.5%	8,301	7,694	-607	-7.3%
19.8%	7,716	7,509	-206	-2.7%
21.0%	7,694	7,503	-191	-2.5%
22.2%	7,637	7,430	-207	-2.7%
23.5%	7,635	7,398	-238	-3.1%
24.7%	7,467	7,164	-303	-4.1%
25.9%	7,463	7,163	-300	-4.0%
27.2%	7,395	7,059	-336	-4.5%
28.4%	7,381	6,986	-395	-5.4%
29.6%	7,158	6,971	-186	-2.6%
30.9%	7,069	6,680	-389	-5.5%
32.1%	6,958	6,298	-659	-9.5%
33.3%	6,804	6,217	-587	-8.6%
34.6%	6,680	6,050	-631	-9.4%
35.8%	6,529	5,990	-539	-8.3%
37.0%	6,525	5,664	-860	-13.2%
38.3%	6,515	5,635	-880	-13.5%
39.5%	6,298	5,603	-695	-11.0%
40.7%	6,213	5,530	-683	-11.0%
42.0%	6,127	5,516	-610	-10.0%
43.2%	6,093	5,505	-588	-9.7%
44.4%	6,031	5,376	-655	-10.9%
45.7%	6,010	5,284	-726	-12.1%
46.9%	5,946	5,084	-862	-14.5%
48.1%	5,889	5,046	-842	-14.3%
49.4%	5,878	5,021	-858	-14.6%
50.6%	5,664	4,836	-828	-14.6%
51.9%	5,645	4,756	-889	-15.7%
53.1%	5,625	4,600	-1,025	-18.2%
54.3%	5,577	4,600	-977	-17.5%
55.6%	5,409	4,600	-809	-15.0%
56.8%	5,378	4,600	-778	-14.5%
58.0%	5,373	4,600	-773	-14.4%
59.3%	5,356	4,600	-756	-14.1%
60.5%	5,347	4,600	-747	-14.0%
61.7%	5,312	4,600	-712	-13.4%
63.0%	5,243	4,600	-643	-12.3%
64.2%	5,046	4,600	-446	-8.8%
65.4%	4,980	4,600	-380	-7.6%
66.7%	4,927	4,540	-387	-7.9%
67.9%	4,758	4,500	-258	-5.4%
69.1%	4,580	4,500	-80	-1.7%
70.4%	4,532	4,500	-32	-0.7%
71.6%	4,512	4,500	-12	-0.3%
72.8%	4,500	4,500	0	0.0%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,486	-14	-0.3%
77.8%	4,500	4,437	-63	-1.4%
79.0%	4,500	4,434	-66	-1.5%
80.2%	4,500	4,308	-192	-4.3%
81.5%	4,500	4,231	-269	-6.0%
82.7%	4,500	4,178	-322	-7.2%
84.0%	4,500	4,175	-325	-7.2%
85.2%	4,266	4,097	-169	-4.0%
86.4%	3,990	3,997	7	0.2%
87.7%	3,818	3,719	-100	-2.6%
88.9%	3,719	3,646	-72	-1.9%
90.1%	3,700	3,438	-262	-7.1%
91.4%	3,622	3,377	-245	-6.8%
92.6%	3,250	3,350	100	3.1%
93.8%	3,250	3,349	99	3.1%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,837	15,837	0	0.0%
1.2%	14,124	14,124	0	0.0%
2.5%	13,439	13,439	0	0.0%
3.7%	13,385	13,385	0	0.0%
4.9%	12,281	12,281	0	0.0%
6.2%	12,057	12,057	0	0.0%
7.4%	11,783	12,024	241	2.0%
8.6%	10,962	10,890	-72	-0.7%
9.9%	10,855	10,783	-72	-0.7%
11.1%	10,307	10,292	-14	-0.1%
12.3%	10,242	10,242	0	0.0%
13.6%	9,608	9,395	-214	-2.2%
14.8%	9,473	9,254	-219	-2.3%
16.0%	9,395	9,252	-143	-1.5%
17.3%	9,324	9,149	-174	-1.9%
18.5%	9,264	9,140	-124	-1.3%
19.8%	9,247	9,102	-145	-1.6%
21.0%	9,212	9,002	-210	-2.3%
22.2%	9,150	8,996	-155	-1.7%
23.5%	9,140	8,966	-175	-1.9%
24.7%	9,138	8,871	-266	-2.9%
25.9%	9,129	8,710	-418	-4.6%
27.2%	9,102	8,536	-566	-6.2%
28.4%	9,002	8,143	-860	-9.5%
29.6%	8,996	8,043	-953	-10.6%
30.9%	8,966	7,981	-985	-11.0%
32.1%	8,869	7,875	-994	-11.2%
33.3%	8,778	7,725	-1,053	-12.0%
34.6%	8,584	7,711	-874	-10.2%
35.8%	8,453	7,697	-755	-8.9%
37.0%	8,436	7,684	-752	-8.9%
38.3%	8,423	7,625	-798	-9.5%
39.5%	8,226	7,467	-759	-9.2%
40.7%	8,140	7,389	-752	-9.2%
42.0%	8,043	7,345	-698	-8.7%
43.2%	7,872	7,217	-655	-8.3%
44.4%	7,684	7,204	-479	-6.2%
45.7%	7,657	7,121	-536	-7.0%
46.9%	7,626	7,074	-552	-7.2%
48.1%	7,591	7,043	-548	-7.2%
49.4%	7,585	6,906	-680	-9.0%
50.6%	7,467	6,859	-608	-8.1%
51.9%	7,427	6,821	-606	-8.2%
53.1%	7,335	6,811	-524	-7.1%
54.3%	7,260	6,804	-456	-6.3%
55.6%	7,071	6,799	-272	-3.8%
56.8%	6,943	6,794	-149	-2.1%
58.0%	6,936	6,765	-171	-2.5%
59.3%	6,925	6,753	-172	-2.5%
60.5%	6,923	6,740	-184	-2.7%
61.7%	6,802	6,557	-245	-3.6%
63.0%	6,795	6,519	-276	-4.1%
64.2%	6,777	6,326	-452	-6.7%
65.4%	6,725	6,282	-442	-6.6%
66.7%	6,622	6,200	-422	-6.4%
67.9%	6,519	6,200	-319	-4.9%
69.1%	6,519	6,200	-319	-4.9%
70.4%	6,513	6,200	-313	-4.8%
71.6%	6,477	6,200	-277	-4.3%
72.8%	6,446	6,200	-246	-3.8%
74.1%	6,307	6,177	-130	-2.1%
75.3%	6,299	6,091	-208	-3.3%
76.5%	6,123	6,064	-59	-1.0%
77.8%	6,121	6,041	-81	-1.3%
79.0%	6,092	5,970	-121	-2.0%
80.2%	6,064	5,962	-102	-1.7%
81.5%	5,811	5,961	150	2.6%
82.7%	5,663	5,769	107	1.9%
84.0%	5,619	5,693	74	1.3%
85.2%	5,530	5,670	140	2.5%
86.4%	5,504	5,631	127	2.3%
87.7%	5,441	5,540	99	1.8%
88.9%	5,426	5,531	105	1.9%
90.1%	5,331	5,499	168	3.2%
91.4%	5,321	5,364	43	0.8%
92.6%	5,319	5,066	-253	-4.8%
93.8%	5,178	4,853	-325	-6.3%
95.1%	5,092	4,799	-293	-5.8%
96.3%	4,410	4,740	330	7.5%
97.5%	4,407	4,300	-107	-2.4%
98.8%	4,388	4,188	-200	-4.6%
100.0%	3,737	3,818	81	2.2%

Table SW-10-3b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	14,970	14,846	-124	-0.8%
3.7%	14,882	14,735	-146	-1.0%
4.9%	14,846	14,263	-583	-3.9%
6.2%	14,582	12,943	-1,639	-11.2%
7.4%	13,652	12,791	-861	-6.3%
8.6%	13,166	12,500	-666	-5.1%
9.9%	12,879	12,490	-390	-3.0%
11.1%	12,855	12,486	-369	-2.9%
12.3%	12,607	11,666	-941	-7.5%
13.6%	12,555	11,663	-892	-7.1%
14.8%	12,388	11,515	-873	-7.0%
16.0%	12,299	11,311	-988	-8.0%
17.3%	12,170	11,293	-877	-7.2%
18.5%	12,142	11,217	-925	-7.6%
19.8%	11,998	11,190	-808	-6.7%
21.0%	11,875	11,074	-801	-6.7%
22.2%	11,859	10,402	-1,457	-12.3%
23.5%	11,816	10,400	-1,416	-12.0%
24.7%	11,714	10,373	-1,341	-11.4%
25.9%	11,672	10,369	-1,303	-11.2%
27.2%	11,530	10,369	-1,162	-10.1%
28.4%	11,528	10,367	-1,161	-10.1%
29.6%	11,525	10,367	-1,157	-10.0%
30.9%	11,471	10,354	-1,117	-9.7%
32.1%	11,419	10,314	-1,105	-9.7%
33.3%	11,360	10,262	-1,098	-9.7%
34.6%	11,299	10,188	-1,111	-9.8%
35.8%	11,275	10,175	-1,100	-9.8%
37.0%	11,203	10,045	-1,158	-10.3%
38.3%	11,132	10,017	-1,114	-10.0%
39.5%	10,966	9,900	-1,066	-9.7%
40.7%	10,964	9,900	-1,064	-9.7%
42.0%	10,806	9,900	-906	-8.4%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,693	9,900	-793	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,334	9,900	-434	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,900	109	1.1%
69.1%	9,770	9,853	84	0.9%
70.4%	9,740	9,844	104	1.1%
71.6%	9,719	9,830	111	1.1%
72.8%	9,672	9,814	142	1.5%
74.1%	9,645	9,751	106	1.1%
75.3%	9,643	9,691	48	0.5%
76.5%	9,623	9,663	40	0.4%
77.8%	9,606	9,663	57	0.6%
79.0%	9,494	9,598	103	1.1%
80.2%	9,472	9,510	38	0.4%
81.5%	9,415	9,477	62	0.7%
82.7%	9,402	9,447	45	0.5%
84.0%	9,310	9,322	12	0.1%
85.2%	9,191	9,290	99	1.1%
86.4%	9,179	9,275	96	1.1%
87.7%	9,176	9,257	81	0.9%
88.9%	9,151	9,185	34	0.4%
90.1%	9,048	9,164	116	1.3%
91.4%	8,928	8,989	60	0.7%
92.6%	8,887	8,927	40	0.5%
93.8%	8,668	8,914	246	2.8%
95.1%	8,376	8,754	378	4.5%
96.3%	8,186	8,286	101	1.2%
97.5%	7,946	8,219	272	3.4%
98.8%	7,334	8,166	833	11.4%
100.0%	7,300	7,822	522	7.1%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,897	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
2.5%	15,775	15,000	-775	-4.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	15,000	0	0.0%
24.7%	15,000	15,000	0	0.0%
25.9%	15,000	14,780	-220	-1.5%
27.2%	15,000	14,755	-245	-1.6%
28.4%	15,000	14,486	-514	-3.4%
29.6%	14,903	14,301	-602	-4.0%
30.9%	14,780	14,209	-572	-3.9%
32.1%	14,539	14,167	-371	-2.6%
33.3%	14,273	14,094	-179	-1.3%
34.6%	14,165	13,819	-346	-2.4%
35.8%	14,115	13,817	-299	-2.1%
37.0%	13,988	13,712	-276	-2.0%
38.3%	13,875	13,673	-201	-1.5%
39.5%	13,837	13,580	-257	-1.9%
40.7%	13,725	13,549	-176	-1.3%
42.0%	13,678	13,461	-216	-1.6%
43.2%	13,641	13,235	-405	-3.0%
44.4%	13,548	13,072	-476	-3.5%
45.7%	13,539	12,953	-586	-4.3%
46.9%	13,410	12,928	-482	-3.6%
48.1%	13,348	12,783	-566	-4.2%
49.4%	13,338	12,677	-661	-5.0%
50.6%	13,332	12,500	-832	-6.2%
51.9%	13,286	12,500	-786	-5.9%
53.1%	13,224	12,473	-751	-5.7%
54.3%	13,219	12,462	-757	-5.7%
55.6%	13,011	12,400	-611	-4.7%
56.8%	12,972	12,400	-572	-4.4%
58.0%	12,921	12,400	-521	-4.0%
59.3%	12,864	12,400	-464	-3.6%
60.5%	12,824	12,400	-424	-3.3%
61.7%	12,720	12,396	-324	-2.5%
63.0%	12,535	12,340	-195	-1.6%
64.2%	12,447	12,324	-123	-1.0%
65.4%	12,444	12,312	-132	-1.1%
66.7%	12,438	12,221	-217	-1.7%
67.9%	12,395	12,140	-256	-2.1%
69.1%	12,369	11,987	-382	-3.1%
70.4%	12,355	11,900	-455	-3.7%
71.6%	12,189	11,891	-299	-2.5%
72.8%	12,185	11,856	-329	-2.7%
74.1%	12,134	11,625	-509	-4.2%
75.3%	12,107	11,512	-594	-4.9%
76.5%	12,077	11,469	-608	-5.0%
77.8%	12,053	11,400	-653	-5.4%
79.0%	12,042	11,400	-642	-5.3%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,840	11,400	560	5.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,352	581	5.4%
91.4%	10,703	11,295	592	5.5%
92.6%	10,629	10,624	-5	0.0%
93.8%	10,571	10,470	-101	-1.0%
95.1%	10,401	10,335	-66	-0.6%
96.3%	10,147	10,230	83	0.8%
97.5%	9,660	9,790	130	1.3%
98.8%	9,616	9,618	2	0.0%
100.0%	8,623	8,948	324	3.8%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,207	0	0.0%
1.2%	14,094	13,238	-856	-6.1%
2.5%	13,568	13,212	-356	-2.6%
3.7%	13,414	13,179	-235	-1.7%
4.9%	13,238	13,161	-77	-0.6%
6.2%	13,212	13,144	-67	-0.5%
7.4%	13,146	12,763	-384	-2.9%
8.6%	13,133	12,500	-633	-4.8%
9.9%	12,632	12,329	-303	-2.4%
11.1%	12,511	12,317	-193	-1.5%
12.3%	12,356	12,217	-139	-1.1%
13.6%	12,313	12,187	-127	-1.0%
14.8%	12,182	12,147	-35	-0.3%
16.0%	12,127	11,805	-322	-2.7%
17.3%	11,864	11,614	-251	-2.1%
18.5%	11,841	11,533	-308	-2.6%
19.8%	11,834	11,345	-489	-4.1%
21.0%	11,825	11,309	-516	-4.4%
22.2%	11,607	11,021	-586	-5.1%
23.5%	11,565	11,014	-551	-4.8%
24.7%	11,483	10,929	-554	-4.8%
25.9%	11,451	10,915	-536	-4.7%
27.2%	11,274	10,837	-437	-3.9%
28.4%	11,036	10,736	-300	-2.7%
29.6%	11,014	10,671	-343	-3.1%
30.9%	10,987	10,544	-443	-4.0%
32.1%	10,972	10,521	-451	-4.1%
33.3%	10,933	10,520	-413	-3.8%
34.6%	10,923	10,445	-478	-4.4%
35.8%	10,907	10,387	-520	-4.8%
37.0%	10,874	10,354	-520	-4.8%
38.3%	10,850	10,239	-611	-5.6%
39.5%	10,849	10,172	-676	-6.2%
40.7%	10,832	10,111	-720	-6.7%
42.0%	10,829	10,042	-787	-7.3%
43.2%	10,829	10,011	-818	-7.6%
44.4%	10,717	9,993	-724	-6.8%
45.7%	10,696	9,986	-710	-6.6%
46.9%	10,667	9,985	-682	-6.4%
48.1%	10,658	9,975	-683	-6.4%
49.4%	10,638	9,931	-707	-6.6%
50.6%	10,564	9,918	-646	-6.1%
51.9%	10,486	9,910	-576	-5.5%
53.1%	10,436	9,877	-558	-5.3%
54.3%	10,368	9,857	-512	-4.9%
55.6%	10,314	9,825	-490	-4.7%
56.8%	10,291	9,750	-541	-5.3%
58.0%	10,263	9,700	-563	-5.5%
59.3%	10,150	9,668	-482	-4.8%
60.5%	9,986	9,600	-386	-3.9%
61.7%	9,915	9,600	-315	-3.2%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,600	305	3.3%
79.0%	9,217	9,596	380	4.1%
80.2%	9,159	9,545	387	4.2%
81.5%	9,158	9,540	383	4.2%
82.7%	9,039	9,501	462	5.1%
84.0%	9,001	9,433	432	4.8%
85.2%	8,954	9,420	466	5.2%
86.4%	8,921	9,416	495	5.5%
87.7%	8,875	9,306	431	4.9%
88.9%	8,753	9,267	513	5.9%
90.1%	8,734	9,132	399	4.6%
91.4%	8,720	8,839	119	1.4%
92.6%	8,663	8,700	37	0.4%
93.8%	8,605	8,574	-31	-0.4%
95.1%	8,526	8,532	6	0.1%
96.3%	8,503	8,315	-188	-2.2%
97.5%	7,966	7,947	-19	-0.2%
98.8%	7,494	7,757	264	3.5%
100.0%	7,199	7,187	-12	-0.2%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,437	14,925	-1,512	-9.2%
1.2%	15,000	14,718	-282	-1.9%
2.5%	15,000	14,647	-353	-2.4%
3.7%	14,861	13,718	-1,143	-7.7%
4.9%	14,762	13,501	-1,261	-8.5%
6.2%	14,683	13,465	-1,218	-8.3%
7.4%	13,885	13,408	-477	-3.4%
8.6%	13,220	13,131	-89	-0.7%
9.9%	13,042	12,923	-120	-0.9%
11.1%	13,001	12,915	-87	-0.7%
12.3%	12,974	12,770	-204	-1.6%
13.6%	12,778	12,431	-347	-2.7%
14.8%	12,497	12,096	-401	-3.2%
16.0%	12,431	11,906	-526	-4.2%
17.3%	12,244	11,695	-549	-4.5%
18.5%	12,224	11,358	-866	-7.1%
19.8%	12,156	11,342	-813	-6.7%
21.0%	12,047	11,146	-901	-7.5%
22.2%	11,757	11,145	-612	-5.2%
23.5%	11,342	11,109	-233	-2.1%
24.7%	11,260	10,961	-299	-2.7%
25.9%	11,141	10,750	-391	-3.5%
27.2%	10,527	10,661	135	1.3%
28.4%	10,460	10,379	-82	-0.8%
29.6%	9,887	9,593	-294	-3.0%
30.9%	9,526	9,070	-456	-4.8%
32.1%	9,501	8,988	-513	-5.4%
33.3%	9,424	8,637	-786	-8.3%
34.6%	9,252	8,327	-925	-10.0%
35.8%	9,192	8,120	-1,072	-11.7%
37.0%	8,816	7,929	-887	-10.1%
38.3%	8,734	7,716	-1,019	-11.7%
39.5%	8,250	7,402	-848	-10.3%
40.7%	8,014	6,869	-1,145	-14.3%
42.0%	6,843	6,690	-153	-2.2%
43.2%	6,746	6,245	-501	-7.4%
44.4%	6,718	6,189	-529	-7.9%
45.7%	6,706	6,140	-567	-8.5%
46.9%	6,577	6,121	-456	-6.9%
48.1%	6,547	6,048	-500	-7.6%
49.4%	6,535	6,032	-504	-7.7%
50.6%	6,465	6,024	-441	-6.8%
51.9%	6,450	5,853	-597	-9.3%
53.1%	6,260	5,786	-474	-7.6%
54.3%	6,061	5,696	-365	-6.0%
55.6%	6,013	5,670	-343	-5.7%
56.8%	5,967	5,659	-308	-5.2%
58.0%	5,962	5,557	-405	-6.8%
59.3%	5,916	5,551	-365	-6.2%
60.5%	5,907	5,500	-407	-6.9%
61.7%	5,849	5,500	-349	-6.0%
63.0%	5,814	5,500	-314	-5.4%
64.2%	5,792	5,500	-292	-5.0%
65.4%	5,786	5,500	-286	-4.9%
66.7%	5,779	5,500	-279	-4.8%
67.9%	5,778	5,500	-278	-4.8%
69.1%	5,675	5,500	-175	-3.1%
70.4%	5,636	5,500	-136	-2.4%
71.6%	5,515	5,500	-15	-0.3%
72.8%	5,456	5,500	44	0.8%
74.1%	5,446	5,500	54	1.0%
75.3%	5,359	5,500	141	2.6%
76.5%	5,348	5,405	57	1.1%
77.8%	5,207	5,289	82	1.6%
79.0%	5,168	5,250	82	1.6%
80.2%	5,086	5,250	164	3.2%
81.5%	4,946	5,250	304	6.1%
82.7%	4,935	5,250	315	6.4%
84.0%	4,894	5,250	356	7.3%
85.2%	4,771	5,195	424	8.9%
86.4%	4,758	5,180	422	8.9%
87.7%	4,606	5,009	403	8.8%
88.9%	4,578	4,992	414	9.0%
90.1%	4,441	4,850	409	9.2%
91.4%	4,395	4,743	348	7.9%
92.6%	4,351	4,699	348	8.0%
93.8%	4,342	4,579	237	5.4%
95.1%	4,238	4,483	245	5.8%
96.3%	4,231	4,359	128	3.0%
97.5%	4,119	4,277	159	3.9%
98.8%	4,100	4,234	134	3.3%
100.0%	3,250	4,201	951	29.3%

Table SW-11-3a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative A	7,194	8,635	12,295	15,527	18,386	14,352	10,296	9,628	11,361	13,277	10,476	8,199
Difference	76	33	825	432	493	-184	-357	-282	-430	-149	-238	-287
Percent Difference[3]	1.1%	0.4%	7.2%	2.9%	2.8%	-1.3%	-3.4%	-2.8%	-3.6%	-1.1%	-2.2%	-3.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative A	8,525	10,571	13,074	27,932	30,434	24,946	15,249	12,558	12,149	13,085	10,988	12,331
Difference	269	-568	1,055	508	378	-120	-24	40	95	-350	-278	-514
Percent Difference	3.3%	-5.1%	8.8%	1.9%	1.3%	-0.5%	-0.2%	0.3%	0.8%	-2.6%	-2.5%	-4.0%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative A	7,181	10,785	12,935	16,076	23,762	15,871	10,512	10,083	11,469	14,203	10,291	7,768
Difference	179	212	1,169	6	498	-56	89	66	-723	-159	-540	-853
Percent Difference	2.6%	2.0%	9.9%	0.0%	2.1%	-0.4%	0.8%	0.7%	-5.9%	-1.1%	-5.0%	-9.9%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative A	6,896	7,827	13,792	9,648	12,346	8,707	8,629	8,388	10,695	12,958	9,660	5,844
Difference	468	459	804	433	598	-208	133	-197	-784	-109	-606	94
Percent Difference	7.3%	6.2%	6.2%	4.7%	5.1%	-2.3%	1.6%	-2.3%	-6.8%	-0.8%	-5.9%	1.6%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative A	6,247	7,158	13,429	7,744	9,796	8,059	6,802	7,735	11,104	13,649	10,437	5,868
Difference	-511	461	739	701	740	-338	-1,030	-837	-723	134	-382	-226
Percent Difference	-7.6%	6.9%	5.8%	9.9%	8.2%	-4.0%	-13.2%	-9.8%	-6.1%	1.0%	-3.5%	-3.7%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative A	6,090	5,449	6,520	6,632	6,838	5,905	6,532	7,114	10,709	12,577	10,559	5,917
Difference	-26	21	134	291	242	-192	-1,087	-594	-422	-179	797	233
Percent Difference	-0.4%	0.4%	2.1%	4.6%	3.7%	-3.2%	-14.3%	-7.7%	-3.8%	-1.4%	8.2%	4.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-11-3b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

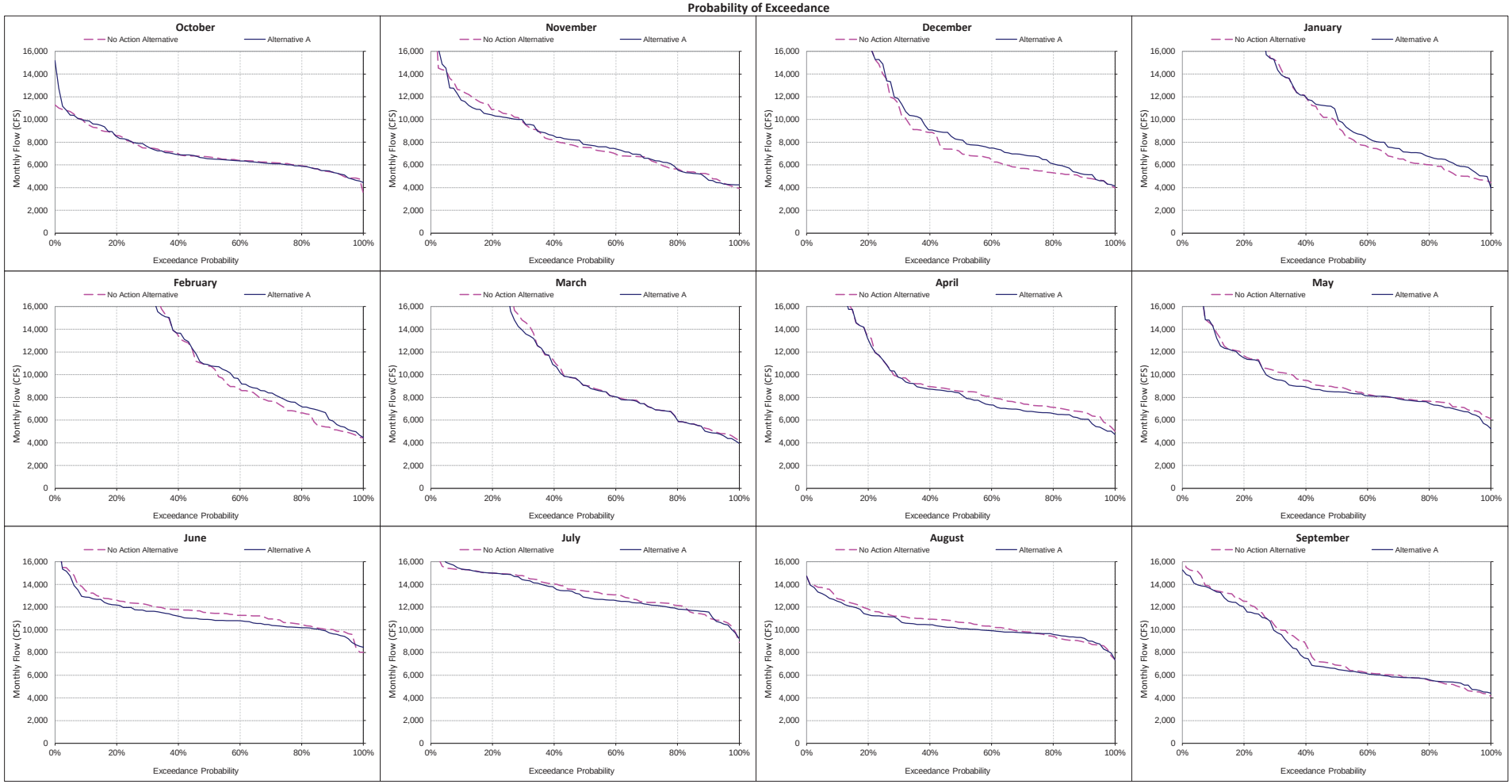

Table SW-11-3b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	15,180	3,901	34.6%
1.2%	11,021	12,745	1,725	15.6%
2.5%	10,886	11,171	286	2.6%
3.7%	10,809	10,810	1	0.0%
4.9%	10,697	10,385	-312	-2.9%
6.2%	10,470	10,367	-103	-1.0%
7.4%	10,086	10,096	10	0.1%
8.6%	10,046	9,991	-55	-0.5%
9.9%	9,702	9,902	201	2.1%
11.1%	9,490	9,869	378	4.0%
12.3%	9,320	9,605	285	3.1%
13.6%	9,276	9,577	301	3.2%
14.8%	9,047	9,491	445	4.9%
16.0%	8,947	9,363	416	4.6%
17.3%	8,943	8,948	5	0.1%
18.5%	8,799	8,942	142	1.6%
19.8%	8,607	8,536	-71	-0.8%
21.0%	8,555	8,324	-231	-2.7%
22.2%	8,390	8,293	-97	-1.2%
23.5%	8,131	8,241	110	1.4%
24.7%	8,081	8,043	-38	-0.5%
25.9%	7,773	7,951	177	2.3%
27.2%	7,713	7,891	178	2.3%
28.4%	7,498	7,889	391	5.2%
29.6%	7,492	7,670	178	2.4%
30.9%	7,473	7,482	9	0.1%
32.1%	7,460	7,351	-109	-1.5%
33.3%	7,395	7,245	-150	-2.0%
34.6%	7,244	7,243	-1	0.0%
35.8%	7,219	7,077	-142	-2.0%
37.0%	7,177	7,061	-116	-1.6%
38.3%	7,147	7,003	-144	-2.0%
39.5%	7,066	6,915	-152	-2.1%
40.7%	6,852	6,886	34	0.5%
42.0%	6,822	6,875	53	0.8%
43.2%	6,805	6,874	69	1.0%
44.4%	6,792	6,868	76	1.1%
45.7%	6,780	6,772	-8	-0.1%
46.9%	6,757	6,661	-96	-1.4%
48.1%	6,753	6,611	-142	-2.1%
49.4%	6,719	6,538	-181	-2.7%
50.6%	6,681	6,537	-143	-2.1%
51.9%	6,634	6,491	-143	-2.2%
53.1%	6,591	6,487	-105	-1.6%
54.3%	6,495	6,468	-27	-0.4%
55.6%	6,493	6,426	-67	-1.0%
56.8%	6,486	6,405	-81	-1.2%
58.0%	6,475	6,380	-96	-1.5%
59.3%	6,415	6,365	-50	-0.8%
60.5%	6,397	6,341	-56	-0.9%
61.7%	6,364	6,335	-29	-0.4%
63.0%	6,357	6,287	-70	-1.1%
64.2%	6,334	6,261	-73	-1.2%
65.4%	6,301	6,261	-40	-0.6%
66.7%	6,251	6,188	-63	-1.0%
67.9%	6,243	6,172	-71	-1.1%
69.1%	6,226	6,129	-97	-1.6%
70.4%	6,210	6,121	-88	-1.4%
71.6%	6,196	6,108	-88	-1.4%
72.8%	6,162	6,089	-73	-1.2%
74.1%	6,115	6,043	-72	-1.2%
75.3%	6,113	6,002	-111	-1.8%
76.5%	6,032	6,000	-32	-0.5%
77.8%	6,017	5,919	-98	-1.6%
79.0%	5,939	5,916	-23	-0.4%
80.2%	5,920	5,875	-45	-0.8%
81.5%	5,845	5,850	5	0.1%
82.7%	5,792	5,766	-26	-0.4%
84.0%	5,696	5,667	-29	-0.5%
85.2%	5,619	5,647	28	0.5%
86.4%	5,481	5,506	26	0.5%
87.7%	5,443	5,494	51	0.9%
88.9%	5,399	5,466	66	1.2%
90.1%	5,369	5,343	-26	-0.5%
91.4%	5,261	5,261	0	0.0%
92.6%	5,144	5,176	32	0.6%
93.8%	4,960	5,118	158	3.2%
95.1%	4,854	4,841	-13	-0.3%
96.3%	4,850	4,758	-92	-1.9%
97.5%	4,838	4,642	-197	-4.1%
98.8%	4,746	4,581	-165	-3.5%
100.0%	3,451	4,447	996	28.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	37,008	688	1.9%
1.2%	20,310	20,311	0	0.0%
2.5%	14,530	16,288	1,759	12.1%
3.7%	14,384	14,884	500	3.5%
4.9%	14,311	14,531	220	1.5%
6.2%	13,627	12,781	-846	-6.2%
7.4%	13,326	12,750	-576	-4.3%
8.6%	12,640	12,265	-376	-3.0%
9.9%	12,564	11,701	-863	-6.9%
11.1%	12,357	11,579	-778	-6.3%
12.3%	12,201	11,227	-974	-8.0%
13.6%	11,943	11,042	-901	-7.5%
14.8%	11,732	10,911	-821	-7.0%
16.0%	11,535	10,882	-653	-5.7%
17.3%	11,403	10,533	-870	-7.6%
18.5%	11,371	10,475	-896	-7.9%
19.8%	10,885	10,417	-467	-4.3%
21.0%	10,881	10,289	-593	-5.4%
22.2%	10,734	10,278	-456	-4.2%
23.5%	10,536	10,215	-320	-3.0%
24.7%	10,508	10,172	-337	-3.2%
25.9%	10,442	10,088	-355	-3.4%
27.2%	10,198	10,025	-173	-1.7%
28.4%	10,154	10,013	-142	-1.4%
29.6%	9,847	10,006	158	1.6%
30.9%	9,511	9,567	56	0.6%
32.1%	9,280	9,550	270	2.9%
33.3%	9,127	9,495	368	4.0%
34.6%	9,085	8,954	-132	-1.5%
35.8%	8,732	8,882	150	1.7%
37.0%	8,365	8,815	450	5.4%
38.3%	8,275	8,660	385	4.7%
39.5%	8,215	8,593	379	4.6%
40.7%	8,058	8,432	375	4.6%
42.0%	7,979	8,414	435	5.5%
43.2%	7,920	8,305	385	4.9%
44.4%	7,798	8,268	470	6.0%
45.7%	7,766	8,230	464	6.0%
46.9%	7,692	8,188	495	6.4%
48.1%	7,557	8,186	629	8.3%
49.4%	7,552	7,812	260	3.4%
50.6%	7,531	7,772	241	3.2%
51.9%	7,531	7,725	194	2.6%
53.1%	7,323	7,689	365	5.0%
54.3%	7,258	7,599	341	4.7%
55.6%	7,221	7,593	372	5.2%
56.8%	7,166	7,588	422	5.9%
58.0%	7,119	7,463	344	4.8%
59.3%	7,037	7,460	423	6.0%
60.5%	6,869	7,373	504	7.3%
61.7%	6,795	7,290	496	7.3%
63.0%	6,786	7,144	358	5.3%
64.2%	6,771	7,129	358	5.3%
65.4%	6,760	6,944	184	2.7%
66.7%	6,737	6,938	202	3.0%
67.9%	6,732	6,898	166	2.5%
69.1%	6,732	6,595	-137	-2.0%
70.4%	6,580	6,590	10	0.1%
71.6%	6,343	6,470	127	2.0%
72.8%	6,225	6,369	144	2.3%
74.1%	6,082	6,346	264	4.3%
75.3%	5,913	6,240	327	5.5%
76.5%	5,806	6,219	413	7.1%
77.8%	5,668	6,110	442	7.8%
79.0%	5,648	5,870	222	3.9%
80.2%	5,638	5,507	-131	-2.3%
81.5%	5,449	5,411	-38	-0.7%
82.7%	5,429	5,315	-114	-2.1%
84.0%	5,387	5,295	-92	-1.7%
85.2%	5,379	5,257	-122	-2.3%
86.4%	5,280	5,237	-44	-0.8%
87.7%	5,259	5,176	-82	-1.6%
88.9%	5,253	4,942	-312	-5.9%
90.1%	5,153	4,649	-504	-9.8%
91.4%	4,790	4,627	-163	-3.4%
92.6%	4,748	4,439	-309	-6.5%
93.8%	4,579	4,427	-152	-3.3%
95.1%	4,376	4,321	-55	-1.3%
96.3%	4,239	4,280	41	1.0%
97.5%	4,128	4,260	132	3.2%
98.8%	4,029	4,255	227	5.6%
100.0%	3,936	4,238	302	7.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,823	1	0.0%
1.2%	41,259	39,751	-1,508	-3.7%
2.5%	34,922	34,912	-11	0.0%
3.7%	34,074	34,884	810	2.4%
4.9%	33,410	33,630	220	0.7%
6.2%	31,136	32,542	1,405	4.5%
7.4%	29,912	29,907	-5	0.0%
8.6%	29,696	28,563	-1,132	-3.8%
9.9%	25,091	26,635	1,544	6.2%
11.1%	23,809	25,870	2,061	8.7%
12.3%	22,287	24,489	2,202	9.9%
13.6%	21,560	23,684	2,125	9.9%
14.8%	21,351	23,566	2,215	10.4%
16.0%	20,125	21,347	1,222	6.1%
17.3%	18,729	21,109	2,381	12.7%
18.5%	18,189	20,816	2,627	14.4%
19.8%	17,210	20,313	3,104	18.0%
21.0%	16,249	16,132	-117	-0.7%
22.2%	15,283	15,285	3	0.0%
23.5%	14,883	15,277	394	2.6%
24.7%	14,038	14,884	846	6.0%
25.9%	13,574	13,405	-170	-1.2%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	125	1.1%
29.6%	11,462	11,833	371	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.7%
33.3%	9,607	10,364	758	7.9%
34.6%	9,114	10,323	1,209	13.3%
35.8%	9,104	10,243	1,140	12.5%
37.0%	9,074	10,098	1,025	11.3%
38.3%	8,927	9,506	579	6.5%
39.5%	8,872	9,082	210	2.4%
40.7%	8,860	9,070	210	2.4%
42.0%	8,688	8,988	300	3.5%
43.2%	7,771	8,917	1,146	14.7%
44.4%	7,415	8,877	1,462	19.7%
45.7%	7,384	8,876	1,492	20.2%
46.9%	7,383	8,509	1,126	15.3%
48.1%	7,342	8,289	947	12.9%
49.4%	7,231	8,226	995	13.8%
50.6%	6,951	8,186	1,235	17.8%
51.9%	6,923	7,840	917	13.3%
53.1%	6,810	7,768	959	14.1%
54.3%	6,783	7,763	980	14.4%
55.6%	6,775	7,738	963	14.2%
56.8%	6,771	7,652	881	13.0%
58.0%	6,681	7,587	906	13.6%
59.3%	6,603	7,486	883	13.4%
60.5%	6,255	7,479	1,224	19.6%
61.7%	6,243	7,389	1,146	18.4%
63.0%	6,143	7,329	1,186	19.3%
64.2%	5,994	7,103	1,108	18.5%
65.4%	5,954	7,060	1,106	18.6%
66.7%	5,831	6,975	1,144	19.6%
67.9%	5,815	6,959	1,145	19.7%
69.1%	5,705	6,938	1,233	21.6%
70.4%	5,690	6,873	1,183	20.8%
71.6%	5,676	6,804	1,128	19.9%
72.8%	5,570	6,789	1,219	21.9%
74.1%	5,524	6,773	1,249	22.6%
75.3%	5,475	6,691	1,216	22.2%
76.5%	5,461	6,471	1,010	18.5%
77.8%	5,365	6,449	1,084	20.2%
79.0%	5,347	6,156	809	15.1%
80.2%	5,293	6,075	782	14.8%
81.5%	5,235	5,980	745	14.2%
82.7%	5,225	5,951	726	13.9%
84.0%	5,163	5,836	673	13.0%
85.2%	5,153	5,710	556	10.8%
86.4%	5,126	5,415	289	5.6%
87.7%	5,121	5,345	224	4.4%
88.9%	4,931	5,231	300	6.1%
90.1%	4,891	5,155	263	5.4%
91.4%	4,816	5,138	323	6.7%
92.6%	4,778	5,127	349	7.3%
93.8%	4,711	4,711	1	0.0%
95.1%	4,676	4,605	-71	-1.5%
96.3%	4,606	4,605	-1	0.0%
97.5%	4,303	4,303	1	0.0%
98.8%	4,144	4,257	112	2.7%
100.0%	3,976	4,141	166	4.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,541	77,537	-4	0.0%
1.2%	57,064	57,066	2	0.0%
2.5%	51,783	51,795	12	0.0%
3.7%	50,578	50,570	-8	0.0%
4.9%	42,791	44,459	1,668	3.9%
6.2%	41,455	40,563	-892	-2.2%
7.4%	40,574	40,363	-211	-0.5%
8.6%	34,319	39,026	4,707	13.7%
9.9%	31,949	31,944	-5	0.0%
11.1%	30,488	30,485	-3	0.0%
12.3%	27,474	27,860	386	1.4%
13.6%	26,710	26,699	-11	0.0%
14.8%	26,677	26,523	-154	-0.6%
16.0%	26,519	26,255	-264	-1.0%
17.3%	25,821	23,506	-2,315	-9.0%
18.5%	23,516	22,711	-805	-3.4%
19.8%	22,709	21,875	-835	-3.7%
21.0%	20,817	21,418	602	2.9%
22.2%	20,128	20,400	272	1.4%
23.5%	19,931	20,104	174	0.9%
24.7%	19,542	19,934	392	2.0%
25.9%	18,554	18,682	128	0.7%
27.2%	17,321	15,700	-1,621	-9.4%
28.4%	15,412	15,413	1	0.0%
29.6%	15,293	15,296	3	0.0%
30.9%	15,065	14,356	-710	-4.7%
32.1%	14,349	13,906	-443	-3.1%
33.3%	13,725	13,720	-5	0.0%
34.6%	13,620	13,619	-1	0.0%
35.8%	12,821	12,986	165	1.3%
37.0%	12,374	12,372	-1	0.0%
38.3%	12,238	12,159	-79	-0.6%
39.5%	12,136	12,137	1	0.0%
40.7%	11,655	11,750	96	0.8%
42.0%	11,231	11,659	428	3.8%
43.2%	11,163	11,354	191	1.7%
44.4%	10,534	11,270	736	7.0%
45.7%	10,196	11,225	1,029	10.1%
46.9%	10,174	11,185	1,010	9.9%
48.1%	10,158	11,164	1,006	9.9%
49.4%	9,932	10,935	1,003	10.1%
50.6%	9,218	9,887	669	7.3%
51.9%	8,976	9,746	770	8.6%
53.1%	8,414	9,348	934	11.1%
54.3%	8,351	9,092	741	8.9%
55.6%	8,186	8,858	672	8.2%
56.8%	7,851	8,745	895	11.4%
58.0%	7,754	8,656	903	11.6%
59.3%	7,709	8,537	828	10.7%
60.5%	7,524	8,300	776	10.3%
61.7%	7,468	8,137	669	9.0%
63.0%	7,444	8,038	593	8.0%
64.2%	7,302	7,999	696	9.5%
65.4%	7,132	7,995	863	12.1%
66.7%	6,786	7,563	777	11.4%
67.9%	6,714	7,532	818	12.2%
69.1%	6,603	7,470	867	13.1%
70.4%	6,528	7,437	909	13.9%
71.6%	6,516	7,145	629	9.7%
72.8%	6,302	7,137	835	13.2%
74.1%	6,212	7,083	871	14.0%
75.3%	6,147	7,073	926	15.1%
76.5%	6,125	7,050	925	15.1%
77.8%	6,103	6,982	879	14.4%
79.0%	6,029	6,784	754	12.5%
80.2%	6,012	6,712	700	11.6%
81.5%	5,973	6,587	614	10.3%
82.7%	5,883	6,531	648	11.0%
84.0%	5,882	6,516	634	10.8%
85.2%	5,483	6,474	991	18.1%
86.4%	5,441	6,290	849	15.6%
87.7%	5,282	6,158	876	16.6%
88.9%	5,048	5,975	927	18.4%
90.1%	5,016	5,886	870	17.3%
91.4%	5,009	5,853	844	16.8%
92.6%	4,992	5,787	795	15.9%
93.8%	4,841	5,535	694	14.3%
95.1%	4,793	5,311	518	10.8%
96.3%	4,680	5,047	366	7.8%
97.5%	4,671	5,016	345	7.4%
98.8%	4,595	4,989	394	8.6%
100.0%	4,441	3,965	-476	-10.7%

Table SW-11-3b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,741	73,735	-6	0.0%
1.2%	62,985	68,092	5,107	8.1%
2.5%	62,796	62,999	203	0.3%
3.7%	55,334	55,332	-2	0.0%
4.9%	48,194	49,580	1,386	2.9%
6.2%	47,418	49,013	1,596	3.4%
7.4%	45,743	47,085	1,342	2.9%
8.6%	43,850	43,890	40	0.1%
9.9%	43,343	43,346	3	0.0%
11.1%	42,098	42,092	-6	0.0%
12.3%	39,597	41,242	1,645	4.2%
13.6%	39,566	39,599	33	0.1%
14.8%	37,756	37,769	13	0.0%
16.0%	32,915	32,914	-2	0.0%
17.3%	32,825	32,826	1	0.0%
18.5%	30,984	30,985	2	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,914	1	0.0%
22.2%	27,169	27,168	-1	0.0%
23.5%	24,392	24,231	-161	-0.7%
24.7%	24,232	23,722	-509	-2.1%
25.9%	23,284	23,284	0	0.0%
27.2%	20,793	22,496	1,703	8.2%
28.4%	20,711	20,801	90	0.4%
29.6%	19,550	20,712	1,162	5.9%
30.9%	17,705	18,056	352	2.0%
32.1%	17,162	16,562	-600	-3.5%
33.3%	16,589	15,543	-1,046	-6.3%
34.6%	15,790	15,287	-503	-3.2%
35.8%	15,288	15,094	-194	-1.3%
37.0%	14,927	15,042	115	0.8%
38.3%	13,915	13,911	-4	0.0%
39.5%	13,642	13,678	36	0.3%
40.7%	13,102	13,641	539	4.1%
42.0%	12,925	13,110	185	1.4%
43.2%	12,797	12,918	121	0.9%
44.4%	12,302	12,304	2	0.0%
45.7%	11,183	11,832	649	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,953	-1	0.0%
49.4%	10,770	10,901	131	1.2%
50.6%	10,733	10,767	34	0.3%
51.9%	10,471	10,719	249	2.4%
53.1%	9,836	10,700	864	8.8%
54.3%	9,691	10,472	781	8.1%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,134	1,181	13.2%
58.0%	8,944	9,716	772	8.6%
59.3%	8,826	9,678	851	9.6%
60.5%	8,597	9,189	592	6.9%
61.7%	8,587	9,148	561	6.5%
63.0%	8,528	8,951	423	5.0%
64.2%	8,450	8,841	391	4.6%
65.4%	8,182	8,800	618	7.6%
66.7%	7,885	8,600	715	9.1%
67.9%	7,822	8,583	762	9.7%
69.1%	7,680	8,389	709	9.2%
70.4%	7,649	8,379	730	9.5%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,028	674	9.2%
74.1%	7,145	7,857	712	10.0%
75.3%	6,833	7,695	862	12.6%
76.5%	6,828	7,589	761	11.1%
77.8%	6,797	7,581	784	11.5%
79.0%	6,633	7,322	689	10.4%
80.2%	6,630	7,148	519	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,046	552	8.5%
84.0%	5,844	6,968	1,124	19.2%
85.2%	5,509	6,873	1,364	24.8%
86.4%	5,471	6,774	1,303	23.8%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,021	645	12.0%
90.1%	5,165	5,911	746	14.4%
91.4%	5,143	5,616	472	9.2%
92.6%	5,056	5,450	394	7.8%
93.8%	4,970	5,375	405	8.2%
95.1%	4,910	5,165	255	5.2%
96.3%	4,794	5,059	265	5.5%
97.5%	4,666	4,972	305	6.5%
98.8%	4,495	4,667	172	3.8%
100.0%	4,441	4,461	20	0.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,281	69,284	4	0.0%
1.2%	69,130	69,131	1	0.0%
2.5%	53,612	53,620	8	0.0%
3.7%	50,175	50,165	-10	0.0%
4.9%	46,777	46,778	1	0.0%
6.2%	39,468	36,319	-3,150	-8.0%
7.4%	33,138	33,113	-25	-0.1%
8.6%	31,967	31,957	-11	0.0%
9.9%	29,384	29,386	2	0.0%
11.1%	26,760	26,758	-2	0.0%
12.3%	25,167	25,168	2	0.0%
13.6%	23,886	24,165	280	1.2%
14.8%	21,386	21,388	2	0.0%
16.0%	20,528	20,533	5	0.0%
17.3%	19,947	19,930	-16	-0.1%
18.5%	19,929	19,232	-697	-3.5%
19.8%	19,871	19,137	-735	-3.7%
21.0%	19,134	18,979	-155	-0.8%
22.2%	18,532	18,536	4	0.0%
23.5%	18,238	18,480	243	1.3%
24.7%	17,674	17,675	1	0.0%
25.9%	17,354	15,589	-1,765	-10.2%
27.2%	15,647	14,804	-843	-5.4%
28.4%	15,302	14,257	-1,045	-6.8%
29.6%	14,801	13,931	-870	-5.9%
30.9%	14,581	13,585	-996	-6.8%
32.1%	14,256	13,396	-859	-6.0%
33.3%	13,653	13,182	-471	-3.4%
34.6%	12,557	12,560	3	0.0%
35.8%	12,342	12,340	-2	0.0%
37.0%	11,751	11,809	58	0.5%
38.3%	11,699	11,696	-3	0.0%
39.5%	11,358	10,892	-466	-4.1%
40.7%	10,908	10,667	-241	-2.2%
42.0%	10,645	10,139	-506	-4.8%
43.2%	9,868	9,869	1	0.0%
44.4%	9,798	9,804	6	0.1%
45.7%	9,735	9,731	-4	0.0%
46.9%	9,700	9,691	-9	-0.1%
48.1%	9,419	9,417	-2	0.0%
49.4%	9,087	9,074	-13	-0.1%
50.6%	9,033	9,028	-5	-0.1%
51.9%	8,992	8,778	-214	-2.4%
53.1%	8,776	8,699	-77	-0.9%
54.3%	8,697	8,606	-91	-1.0%
55.6%	8,605	8,535	-71	-0.8%
56.8%	8,491	8,495	4	0.0%
58.0%	8,153	8,161	9	0.1%
59.3%	8,092	8,097	5	0.1%
60.5%	8,017	8,012	-5	-0.1%
61.7%	7,902	7,805	-97	-1.2%
63.0%	7,809	7,766	-43	-0.6%
64.2%	7,765	7,763	-2	0.0%
65.4%	7,764	7,755	-8	-0.1%
66.7%	7,759	7,658	-101	-1.3%
67.9%	7,467	7,466	0	0.0%
69.1%	7,448	7,444	-4	-0.1%
70.4%	7,189	7,188	-1	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,892	-8	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,838	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,754	-1	0.0%
79.0%	6,399	6,399	0	0.0%
80.2%	5,876	5,870	-6	-0.1%
81.5%	5,846	5,845	-1	0.0%
82.7%	5,793	5,794	1	0.0%
84.0%	5,674	5,672	-2	0.0%
85.2%	5,665	5,655	-10	-0.2%
86.4%	5,531	5,535	4	0.1%
87.7%	5,469	5,470	1	0.0%
88.9%	5,283	5,029	-254	-4.8%
90.1%	5,214	4,931	-283	-5.4%
91.4%	5,038	4,861	-177	-3.5%
92.6%	4,930	4,838	-92	-1.9%
93.8%	4,813	4,756	-57	-1.2%
95.1%	4,805	4,603	-202	-4.2%
96.3%	4,767	4,389	-378	-7.9%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,184	-205	-4.7%
100.0%	4,197	3,964	-233	-5.6%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,231	41,234	3	0.0%
1.2%	33,731	33,732	2	0.0%
2.5%	24,731	24,732	1	0.0%
3.7%	23,667	23,667	0	0.0%
4.9%	22,398	22,399	1	0.0%
6.2%	22,070	22,067	-3	0.0%
7.4%	17,934	17,934	1	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	0	0.0%
11.1%	16,912	16,914	2	0.0%
12.3%	16,879	16,883	4	0.0%
13.6%	16,204	15,745	-459	-2.8%
14.8%	15,744	15,742	-3	0.0%
16.0%	14,572	14,575	3	0.0%
17.3%	14,317	14,320	3	0.0%
18.5%	14,172	14,175	3	0.0%
19.8%	13,397	13,197	-200	-1.5%
21.0%	13,196	12,487	-709	-5.4%
22.2%	11,941	11,943	2	0.0%
23.5%	11,702	11,703	2	0.0%
24.7%	11,304	11,305	2	0.0%
25.9%	10,873	10,872	-1	0.0%
27.2%	10,482	10,335	-147	-1.4%
28.4%	9,935	10,312	377	3.8%
29.6%	9,824	9,776	-47	-0.5%
30.9%	9,743	9,675	-68	-0.7%
32.1%	9,704	9,363	-340	-3.5%
33.3%	9,425	9,256	-168	-1.8%
34.6%	9,256	9,233	-23	-0.2%
35.8%	9,204	8,928	-276	-3.0%
37.0%	9,191	8,868	-323	-3.5%
38.3%	9,091	8,792	-299	-3.3%
39.5%	8,944	8,741	-203	-2.3%
40.7%	8,926	8,710	-216	-2.4%
42.0%	8,890	8,676	-214	-2.4%
43.2%	8,836	8,652	-184	-2.1%
44.4%	8,818	8,603	-215	-2.4%
45.7%	8,759	8,530	-230	-2.6%
46.9%	8,719	8,527	-192	-2.2%
48.1%	8,604	8,439	-165	-1.9%
49.4%	8,552	8,406	-146	-1.7%
50.6%	8,533	8,155	-378	-4.4%
51.9%	8,509	7,918	-592	-7.0%
53.1%	8,502	7,855	-647	-7.6%
54.3%	8,479	7,759	-719	-8.5%
55.6%	8,440	7,755	-685	-8.1%
56.8%	8,195	7,566	-629	-7.7%
58.0%	8,110	7,406	-704	-8.7%
59.3%	8,105	7,355	-749	-9.2%
60.5%	7,964	7,337	-627	-7.9%
61.7%	7,912	7,132	-779	-9.8%
63.0%	7,866	7,036	-829	-10.5%
64.2%	7,734	7,036	-698	-9.0%
65.4%	7,657	6,984	-673	-8.8%
66.7%	7,630	6,968	-662	-8.7%
67.9%	7,556	6,967	-589	-7.8%
69.1%	7,550	6,927	-624	-8.3%
70.4%	7,418	6,811	-607	-8.2%
71.6%	7,381	6,768	-614	-8.3%
72.8%	7,305	6,766	-540	-7.4%
74.1%	7,286	6,720	-566	-7.8%
75.3%	7,256	6,671	-584	-8.1%
76.5%	7,254	6,656	-598	-8.2%
77.8%	7,228	6,651	-577	-8.0%
79.0%	7,147	6,630	-517	-7.2%
80.2%	7,122	6,564	-559	-7.8%
81.5%	7,050	6,495	-555	-7.9%
82.7%	7,016	6,493	-523	-7.5%
84.0%	6,940	6,487	-453	-6.5%
85.2%	6,872	6,473	-400	-5.8%
86.4%	6,806	6,283	-523	-7.7%
87.7%	6,783	6,224	-559	-8.2%
88.9%	6,733	6,103	-630	-9.4%
90.1%	6,694	6,081	-613	-9.2%
91.4%	6,557	6,079	-478	-7.3%
92.6%	6,369	5,673	-697	-10.9%
93.8%	6,322	5,432	-891	-14.1%
95.1%	6,318	5,379	-939	-14.9%
96.3%	5,821	5,211	-610	-10.5%
97.5%	5,651	5,027	-624	-11.0%
98.8%	5,380	5,022	-357	-6.6%
100.0%	5,024	4,744	-279	-5.6%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,596	22,597	2	0.0%
1.2%	19,337	19,339	2	0.0%
2.5%	18,463	18,465	2	0.0%
3.7%	18,153	18,156	3	0.0%
4.9%	17,616	17,616	0	0.0%
6.2%	17,362	17,363	1	0.0%
7.4%	14,874	14,839	-35	-0.2%
8.6%	14,596	14,802	206	1.4%
9.9%	14,329	14,256	-72	-0.5%
11.1%	13,696	13,204	-492	-3.6%
12.3%	13,203	12,532	-671	-5.1%
13.6%	12,531	12,340	-191	-1.5%
14.8%	12,265	12,265	0	0.0%
16.0%	12,225	12,133	-91	-0.7%
17.3%	12,133	12,067	-65	-0.5%
18.5%	12,062	11,730	-332	-2.8%
19.8%	11,691	11,497	-194	-1.7%
21.0%	11,497	11,359	-138	-1.2%
22.2%	11,382	11,314	-67	-0.6%
23.5%	11,357	11,310	-47	-0.4%
24.7%	11,312	11,210	-101	-0.9%
25.9%	10,585	10,550	-35	-0.3%
27.2%	10,572	9,976	-596	-5.6%
28.4%	10,483	9,793	-690	-6.6%
29.6%	10,388	9,629	-759	-7.3%
30.9%	10,231	9,533	-698	-6.8%
32.1%	10,177	9,507	-670	-6.6%
33.3%	10,136	9,399	-736	-7.3%
34.6%	10,069	9,089	-980	-9.7%
35.8%	9,956	9,031	-925	-9.3%
37.0%	9,623	8,982	-641	-6.7%
38.3%	9,548	8,981	-566	-5.9%
39.5%	9,509	8,947	-562	-5.9%
40.7%	9,465	8,867	-598	-6.3%
42.0%	9,292	8,737	-555	-6.0%
43.2%	9,083	8,695	-388	-4.3%
44.4%	9,049	8,688	-361	-4.0%
45.7%	8,992	8,581	-412	-4.6%
46.9%	8,986	8,525	-460	-5.1%
48.1%	8,979	8,503	-476	-5.3%
49.4%	8,892	8,493	-398	-4.5%
50.6%	8,866	8,488	-379	-4.3%
51.9%	8,860	8,460	-400	-4.5%
53.1%	8,751	8,459	-292	-3.3%
54.3%	8,622	8,371	-251	-2.9%
55.6%	8,599	8,332	-267	-3.1%
56.8%	8,469	8,314	-154	-1.8%
58.0%	8,449	8,307	-142	-1.7%
59.3%	8,268	8,151	-117	-1.4%
60.5%	8,238	8,126	-112	-1.4%
61.7%	8,173	8,120	-53	-0.7%
63.0%	8,074	8,106	32	0.4%
64.2%	8,064	8,103	39	0.5%
65.4%	8,061	8,089	28	0.3%
66.7%	8,026	8,057	31	0.4%
67.9%	8,005	7,997	-8	-0.1%
69.1%	7,958	7,962	4	0.0%
70.4%	7,941	7,831	-109	-1.4%
71.6%	7,859	7,807	-52	-0.7%
72.8%	7,841	7,762	-79	-1.0%
74.1%	7,816	7,704	-111	-1.4%
75.3%	7,759	7,693	-66	-0.8%
76.5%	7,732	7,649	-83	-1.1%
77.8%	7,702	7,646	-55	-0.7%
79.0%	7,691	7,613	-78	-1.0%
80.2%	7,664	7,442	-222	-2.9%
81.5%	7,622	7,335	-287	-3.8%
82.7%	7,612	7,306	-306	-4.0%
84.0%	7,572	7,243	-329	-4.3%
85.2%	7,555	7,104	-451	-6.0%
86.4%	7,493	7,102	-392	-5.2%
87.7%	7,170	7,006	-165	-2.3%
88.9%	7,164	6,919	-245	-3.4%
90.1%	7,147	6,847	-300	-4.2%
91.4%	7,104	6,742	-362	-5.1%
92.6%	6,900	6,734	-166	-2.4%
93.8%	6,834	6,531	-303	-4.4%
95.1%	6,809	6,427	-382	-5.6%
96.3%	6,719	6,245	-473	-7.0%
97.5%	6,356	5,709	-647	-10.2%
98.8%	6,283	5,547	-736	-11.7%
100.0%	6,118	5,235	-884	-14.4%

Table SW-11-3b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	June				July				August				September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,044	1	0.0%	17,021	17,022	1	0.0%	14,735	14,736	1	0.0%	16,774	15,264	-1,510	-9.0%
1.2%	17,350	17,350	0	0.0%	16,939	16,925	-15	-0.1%	13,942	13,938	-5	0.0%	15,495	14,870	-625	-4.0%
2.5%	15,488	15,350	-138	-0.9%	16,320	16,395	75	0.5%	13,922	13,729	-193	-1.4%	15,276	14,743	-534	-3.5%
3.7%	15,474	15,158	-316	-2.0%	15,597	16,392	795	5.1%	13,739	13,336	-403	-2.9%	15,182	14,109	-1,074	-7.1%
4.9%	15,121	14,747	-374	-2.5%	15,434	15,955	521	3.4%	13,725	13,206	-519	-3.8%	15,152	13,961	-1,191	-7.9%
6.2%	14,805	13,900	-905	-6.1%	15,395	15,822	426	2.8%	13,606	13,009	-598	-4.4%	14,779	13,876	-903	-6.1%
7.4%	13,967	13,530	-438	-3.1%	15,362	15,690	328	2.1%	13,569	12,766	-804	-5.9%	13,926	13,814	-112	-0.8%
8.6%	13,840	12,959	-881	-6.4%	15,324	15,476	152	1.0%	13,206	12,679	-527	-4.0%	13,864	13,686	-179	-1.3%
9.9%	13,454	12,876	-578	-4.3%	15,321	15,359	39	0.3%	12,741	12,531	-210	-1.6%	13,501	13,520	18	0.1%
11.1%	13,235	12,869	-366	-2.8%	15,320	15,290	-30	-0.2%	12,673	12,408	-266	-2.1%	13,438	13,328	-110	-0.8%
12.3%	13,234	12,723	-511	-3.9%	15,281	15,288	7	0.0%	12,537	12,208	-330	-2.6%	13,376	13,291	-84	-0.6%
13.6%	13,019	12,679	-340	-2.6%	15,205	15,210	5	0.0%	12,438	12,109	-329	-2.6%	13,290	12,813	-477	-3.6%
14.8%	12,908	12,677	-232	-1.8%	15,171	15,140	-31	-0.2%	12,340	12,042	-298	-2.4%	13,217	12,514	-703	-5.3%
16.0%	12,759	12,408	-351	-2.8%	15,092	15,090	-2	0.0%	12,252	11,933	-319	-2.6%	13,177	12,441	-736	-5.6%
17.3%	12,745	12,281	-464	-3.6%	15,031	15,033	2	0.0%	12,151	11,810	-341	-2.8%	12,779	12,415	-364	-2.8%
18.5%	12,674	12,214	-460	-3.6%	15,018	15,020	1	0.0%	11,955	11,439	-516	-4.3%	12,769	12,137	-632	-5.0%
19.8%	12,625	12,192	-433	-3.4%	15,008	15,008	0	0.0%	11,841	11,347	-493	-4.2%	12,525	12,030	-495	-4.0%
21.0%	12,521	12,153	-367	-2.9%	14,977	14,988	11	0.1%	11,691	11,241	-450	-3.8%	12,507	11,574	-933	-7.5%
22.2%	12,493	11,972	-521	-4.2%	14,960	14,946	-14	-0.1%	11,601	11,238	-363	-3.1%	12,136	11,532	-604	-5.0%
23.5%	12,391	11,965	-425	-3.4%	14,941	14,902	-39	-0.3%	11,588	11,235	-353	-3.0%	12,020	11,425	-595	-4.9%
24.7%	12,359	11,961	-398	-3.2%	14,908	14,894	-15	-0.1%	11,443	11,179	-264	-2.3%	11,717	11,395	-323	-2.8%
25.9%	12,351	11,765	-586	-4.7%	14,899	14,874	-25	-0.2%	11,434	11,166	-268	-2.3%	11,467	11,069	-399	-3.5%
27.2%	12,323	11,743	-580	-4.7%	14,870	14,687	-183	-1.2%	11,301	11,143	-159	-1.4%	10,974	11,026	52	0.5%
28.4%	12,305	11,735	-571	-4.6%	14,783	14,663	-120	-0.8%	11,208	11,131	-77	-0.7%	10,941	10,749	-192	-1.8%
29.6%	12,235	11,625	-609	-5.0%	14,772	14,431	-340	-2.3%	11,206	10,946	-260	-2.3%	10,465	9,965	-500	-4.8%
30.9%	12,135	11,622	-514	-4.2%	14,679	14,360	-319	-2.2%	11,183	10,642	-542	-4.8%	10,056	9,720	-336	-3.3%
32.1%	12,031	11,621	-409	-3.4%	14,480	14,304	-176	-1.2%	11,132	10,574	-558	-5.0%	9,977	9,567	-410	-4.1%
33.3%	12,014	11,579	-435	-3.6%	14,460	14,144	-316	-2.2%	11,053	10,562	-491	-4.4%	9,958	9,131	-828	-8.3%
34.6%	11,959	11,522	-437	-3.7%	14,421	14,104	-317	-2.2%	11,048	10,539	-510	-4.6%	9,575	8,776	-798	-8.3%
35.8%	11,839	11,453	-386	-3.3%	14,212	13,990	-222	-1.6%	10,995	10,478	-517	-4.7%	9,470	8,380	-1,090	-11.5%
37.0%	11,817	11,405	-413	-3.5%	14,145	13,909	-236	-1.7%	10,989	10,476	-513	-4.7%	9,222	8,310	-912	-9.9%
38.3%	11,808	11,297	-511	-4.3%	14,092	13,829	-263	-1.9%	10,950	10,459	-492	-4.5%	8,940	7,792	-1,148	-12.8%
39.5%	11,803	11,232	-571	-4.8%	14,041	13,802	-239	-1.7%	10,930	10,454	-476	-4.4%	8,934	7,527	-1,407	-15.8%
40.7%	11,756	11,170	-586	-5.0%	14,027	13,563	-464	-3.3%	10,930	10,453	-477	-4.4%	8,306	7,456	-851	-10.2%
42.0%	11,745	11,048	-697	-5.9%	13,901	13,457	-444	-3.2%	10,914	10,366	-548	-5.0%	7,604	6,858	-746	-9.8%
43.2%	11,735	11,038	-697	-5.9%	13,866	13,451	-415	-3.0%	10,898	10,322	-575	-5.3%	7,217	6,806	-411	-5.7%
44.4%	11,711	11,011	-700	-6.0%	13,591	13,450	-141	-1.0%	10,885	10,276	-609	-5.6%	7,183	6,789	-394	-5.5%
45.7%	11,672	11,001	-672	-5.8%	13,564	13,390	-174	-1.3%	10,852	10,222	-629	-5.8%	7,143	6,740	-403	-5.6%
46.9%	11,668	10,948	-720	-6.2%	13,545	13,209	-336	-2.5%	10,811	10,221	-590	-5.5%	7,113	6,665	-448	-6.3%
48.1%	11,546	10,916	-629	-5.5%	13,489	13,158	-331	-2.5%	10,736	10,210	-527	-4.9%	7,057	6,617	-441	-6.2%
49.4%	11,509	10,916	-593	-5.2%	13,448	12,885	-563	-4.2%	10,674	10,103	-571	-5.3%	6,913	6,591	-321	-4.6%
50.6%	11,473	10,890	-583	-5.1%	13,397	12,836	-561	-4.2%	10,649	10,087	-562	-5.3%	6,855	6,482	-373	-5.4%
51.9%	11,451	10,829	-622	-5.4%	13,363	12,762	-602	-4.5%	10,630	10,084	-546	-5.1%	6,830	6,439	-391	-5.7%
53.1%	11,448	10,825	-622	-5.4%	13,315	12,709	-606	-4.6%	10,593	10,051	-542	-5.1%	6,700	6,406	-294	-4.4%
54.3%	11,438	10,824	-614	-5.4%	13,291	12,682	-609	-4.6%	10,492	10,040	-452	-4.3%	6,415	6,334	-82	-1.3%
55.6%	11,420	10,811	-608	-5.3%	13,175	12,677	-498	-3.8%	10,462	10,023	-438	-4.2%	6,394	6,333	-60	-0.9%
56.8%	11,354	10,807	-546	-4.8%	13,125	12,629	-496	-3.8%	10,351	9,969	-381	-3.7%	6,370	6,261	-110	-1.7%
58.0%	11,330	10,795	-535	-4.7%	13,104	12,619	-485	-3.7%	10,334	9,945	-389	-3.8%	6,322	6,198	-124	-2.0%
59.3%	11,279	10,794	-485	-4.3%	13,079	12,613	-466	-3.6%	10,334	9,925	-409	-4.0%	6,227	6,183	-44	-0.7%
60.5%	11,266	10,786	-481	-4.3%	13,071	12,553	-519	-4.0%	10,227	9,915	-313	-3.1%	6,207	6,091	-117	-1.9%
61.7%	11,258	10,727	-531	-4.7%	13,009	12,497	-512	-3.9%	10,203	9,856	-347	-3.4%	6,141	6,056	-85	-1.4%
63.0%	11,255	10,712	-543	-4.8%	12,853	12,492	-361	-2.8%	10,198	9,832	-366	-3.6%	6,133	6,010	-124	-2.0%
64.2%	11,228	10,601	-627	-5.6%	12,790	12,481	-309	-2.4%	10,125	9,806	-319	-3.2%	6,122	6,009	-113	-1.8%
65.4%	11,227	10,559	-667	-5.9%	12,710	12,380	-330	-2.6%	10,078	9,806	-272	-2.7%	6,032	5,948	-84	-1.4%
66.7%	11,214	10,549	-664	-5.9%	12,657	12,374	-283	-2.2%	9,991	9,797	-195	-2.0%	6,027	5,922	-104	-1.7%
67.9%	11,120	10,469	-651	-5.9%	12,487	12,362	-124	-1.0%	9,913	9,786	-127	-1.3%	6,019	5,846	-172	-2.9%
69.1%	10,966	10,466	-500	-4.6%	12,464	12,271	-193	-1.5%	9,893	9,749	-144	-1.5%	5,995	5,845	-151	-2.5%
70.4%	10,950	10,369	-582	-5.3%	12,406	12,240	-165	-1.3%	9,835	9,725	-110	-1.1%	5,991	5,799	-193	-3.2%
71.6%	10,921	10,349	-572	-5.2%	12,405	12,165	-239	-1.9%	9,823	9,706	-117	-1.2%	5,823	5,792	-31	-0.5%
72.8%	10,873	10,337	-536	-4.9%	12,403	12,151	-252	-2.0%	9,798	9,705	-93	-0.9%	5,806	5,786	-20	-0.3%
74.1%	10,641	10,290	-351	-3.3%	12,386	12,122	-264	-2.1%	9,707	9,693	-13	-0.1%	5,792	5,782	-10	-0.2%
75.3%	10,609	10,242	-368	-3.5%	12,360	12,077	-283	-2.3%	9,659	9,688	30	0.3%	5,751	5,759	7	0.1%
76.5%	10,600	10,242	-359	-3.4%	12,336	12,002	-333	-2.7%	9,614	9,667	54	0.6%	5,736	5,748	12	0.2%
77.8%	10,549	10,232	-317	-3.0%	12,320	11,943	-377	-3.1%	9,469	9,664	195	2.1%	5,708	5,706	-2	0.0%
79.0%	10,507	10,202	-305	-2.9%	12,155	11,929	-226	-1.9%	9,462	9,656	194	2.0%	5,636	5,678	42	0.7%
80.2%	10,444	10,186	-258	-2.5%	12,130	11,807	-323	-2.7%	9,406	9,578	172	1.8%	5,514	5,581	67	1.2%
81.5%	10,359	10,168	-191	-1.8%	12,099	11,783	-317	-2.6%	9,203	9,528	324	3.5%	5,510	5,474	-37	-0.7%
82.7%	10,334	10,163	-172	-1.7%	11,898	11,777	-121	-1.0%	9,195	9,457	262	2.9%	5,427	5,458	32	0.6%
84.0%	10,228	10,095	-133	-1.3%	11,579	11,720	142	1.2%	9,127	9,442	316	3.5%	5,345	5,428	83	1.5%
85.2%	10,155	10,071	-84	-0.8%	11,472	11,702	230	2.0%	9,088	9,380	293	3.2%	5,238	5,405	167	3.2%
86.4%	10,111	9,986	-125	-1.2%	11,450	11,677	227	2.0%	9,081	9,367	286	3.1%	5,214	5,395	181	3.5%
87.7%	10,048	9,915	-133	-1.3%	11,409	11,635	226	2.0%	9,061	9,326	265	2.9%	5,176	5,383	207	4.0%
88.9%	10,039	9,733	-307	-3.1%	11,334	11,616	282	2.5%	8,977	9,319	342	3.8%	5,048	5,350	302	6.0%
90.1%	10,016	9,651	-364	-3.6%	11,024	11,569	545	4.9%	8,892	9,228	336	3.8%	4,943	5,310	367	7.4%
91.4%	9,858	9,591	-267	-2.7%	10,935	11,082	147	1.3%	8,856	9,013	157	1.8%	4,868	5,134	266	5.5%
92.6%	9,853	9,485	-368	-3.7%	10,851	10,726	-125	-1.2%	8,702	8,988	286	3.3%	4,634	5,134	500	10.8%
93.8%	9,811	9,428	-383	-3.9%	10,844	10,637	-207	-1.9%	8,666	8,842	177	2.0%	4,577	4,755	178	3.9%
95.1%	9,657	9,211	-446	-4.6%	10,743	10,489	-253	-2.4%	8,658	8,756	98	1.1%	4,529	4,713	184	4.1%
96.3%	9,601	8,873	-728	-7.6%	10,604	10,426	-178	-1.7%	8,584	8,289	-296	-3.4%	4,509	4,659	150	3.3%
97.5%	8,461	8,671	210	2.5%	10,317	10,053	-263	-2.6%	8,264	8,139	-125	-1.5%	4,373	4,520	147	3.4%
98.8%	8,032	8,552	521	6.5%	9,776	9,701	-76	-0.8%	7,686	7,943	257	3.3%	4,353	4,495	142	3.3%
100.0%	8,015	8,458	444	5.5%	8,895	9,207	313	3.5%	7,375	7,359	-16	-0.2%	4,127	4,402	274	6.6%

Table SW-12-3a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative A	7,084	8,549	11,648	14,438	17,279	13,593	10,057	9,244	10,968	12,822	9,855	8,095
Difference	75	-70	123	-825	-746	-1,031	-510	-261	-76	207	-197	-241
Percent Difference[3]	1.1%	-0.8%	1.1%	-5.4%	-4.1%	-7.1%	-4.8%	-2.7%	-0.7%	1.6%	-2.0%	-2.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative A	8,436	10,485	12,177	26,848	29,652	24,760	15,123	12,012	11,672	12,376	10,101	12,232
Difference	326	-680	104	-861	-619	-461	-89	86	697	151	-204	-385
Percent Difference	4.0%	-6.1%	0.9%	-3.1%	-2.0%	-1.8%	-0.6%	0.7%	6.3%	1.2%	-2.0%	-3.1%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative A	6,941	10,615	12,031	14,436	22,380	14,944	10,064	9,485	10,853	13,647	9,498	7,611
Difference	52	30	218	-1,880	-1,081	-1,102	-248	43	-288	407	-458	-807
Percent Difference	0.8%	0.3%	1.8%	-11.5%	-4.6%	-6.9%	-2.4%	0.5%	-2.6%	3.1%	-4.6%	-9.6%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative A	6,804	7,778	13,245	8,235	10,939	7,492	8,178	8,019	10,221	12,594	9,146	5,740
Difference	478	383	198	-1,096	-897	-1,450	-199	-207	-612	231	-563	93
Percent Difference	7.6%	5.2%	1.5%	-11.7%	-7.6%	-16.2%	-2.4%	-2.5%	-5.7%	1.9%	-5.8%	1.7%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative A	6,148	7,060	13,121	6,869	8,442	6,872	6,558	7,494	10,827	13,355	10,043	5,768
Difference	-515	348	356	-249	-683	-1,585	-1,172	-829	-506	315	-389	-234
Percent Difference	-7.7%	5.2%	2.8%	-3.5%	-7.5%	-18.7%	-15.2%	-10.0%	-4.5%	2.4%	-3.7%	-3.9%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative A	6,026	5,425	6,047	6,144	6,020	5,246	6,515	7,061	10,639	12,430	10,223	5,853
Difference	-32	-3	-367	-239	-606	-878	-1,050	-525	-264	-65	792	235
Percent Difference	-0.5%	0.0%	-5.7%	-3.7%	-9.1%	-14.3%	-13.9%	-6.9%	-2.4%	-0.5%	8.4%	4.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-12-3b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

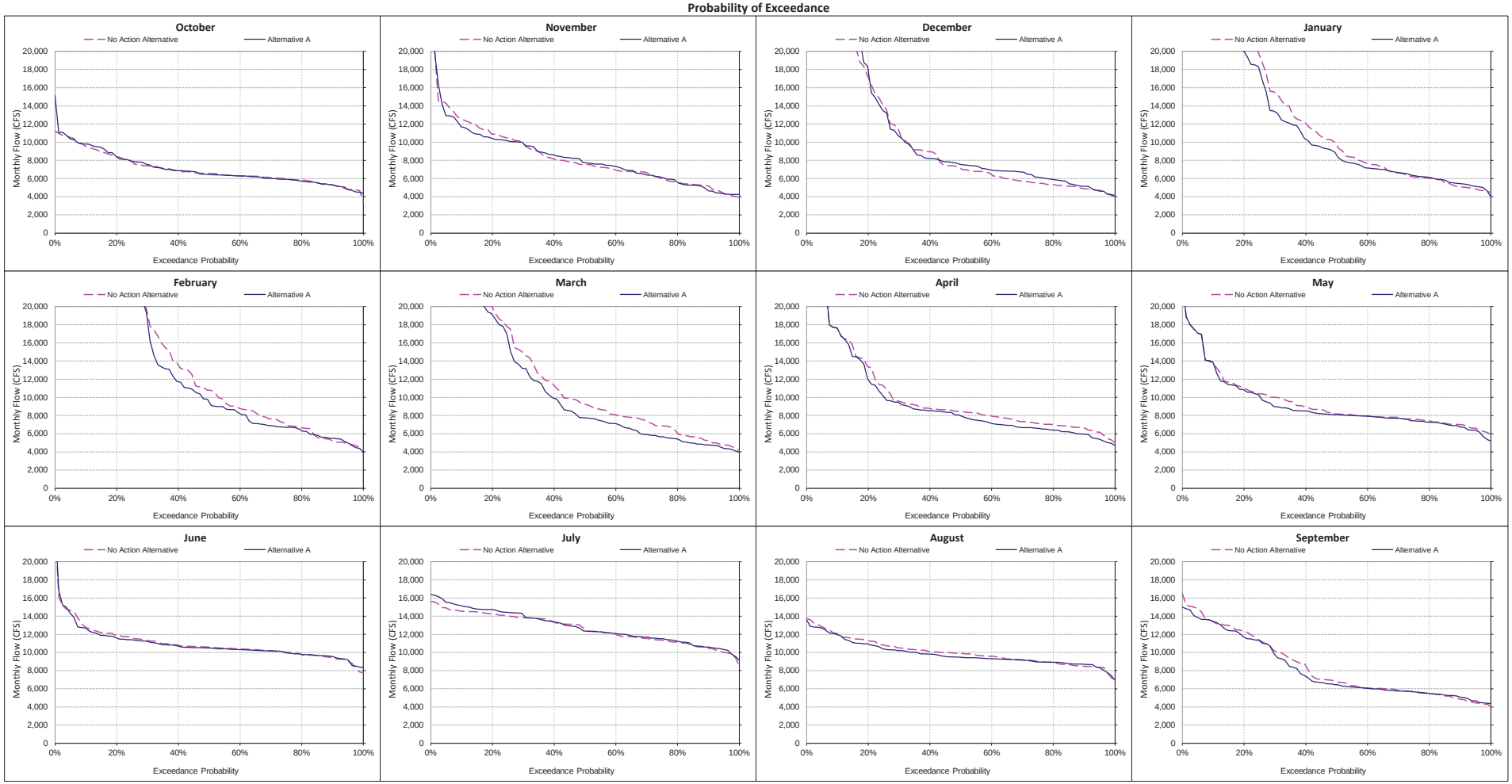

Table SW-12-3b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	15,136	3,901	34.7%
1.2%	10,967	11,088	120	1.1%
2.5%	10,748	11,075	328	3.0%
3.7%	10,673	10,767	94	0.9%
4.9%	10,532	10,359	-173	-1.6%
6.2%	10,406	10,278	-128	-1.2%
7.4%	9,911	9,930	19	0.2%
8.6%	9,860	9,829	-31	-0.3%
9.9%	9,573	9,812	239	2.5%
11.1%	9,412	9,763	351	3.7%
12.3%	9,271	9,576	306	3.3%
13.6%	9,162	9,498	335	3.7%
14.8%	8,923	9,472	549	6.2%
16.0%	8,855	9,220	365	4.1%
17.3%	8,703	8,862	159	1.8%
18.5%	8,581	8,858	277	3.2%
19.8%	8,400	8,457	57	0.7%
21.0%	8,335	8,155	-180	-2.2%
22.2%	8,165	8,134	-31	-0.4%
23.5%	8,026	8,107	81	1.0%
24.7%	7,987	7,890	-98	-1.2%
25.9%	7,578	7,845	267	3.5%
27.2%	7,566	7,830	264	3.5%
28.4%	7,443	7,800	357	4.8%
29.6%	7,403	7,558	155	2.1%
30.9%	7,384	7,482	97	1.3%
32.1%	7,369	7,225	-144	-2.0%
33.3%	7,273	7,212	-62	-0.8%
34.6%	7,103	7,184	81	1.1%
35.8%	7,092	7,007	-86	-1.2%
37.0%	7,075	7,002	-73	-1.0%
38.3%	6,976	6,907	-69	-1.0%
39.5%	6,881	6,860	-21	-0.3%
40.7%	6,767	6,857	91	1.3%
42.0%	6,759	6,829	70	1.0%
43.2%	6,751	6,819	68	1.0%
44.4%	6,678	6,781	103	1.5%
45.7%	6,652	6,738	86	1.3%
46.9%	6,602	6,495	-107	-1.6%
48.1%	6,592	6,483	-109	-1.7%
49.4%	6,578	6,452	-126	-1.9%
50.6%	6,562	6,426	-137	-2.1%
51.9%	6,551	6,418	-132	-2.0%
53.1%	6,516	6,408	-108	-1.7%
54.3%	6,432	6,370	-62	-1.0%
55.6%	6,359	6,355	-4	-0.1%
56.8%	6,352	6,342	-10	-0.2%
58.0%	6,343	6,304	-39	-0.6%
59.3%	6,312	6,294	-18	-0.3%
60.5%	6,288	6,276	-11	-0.2%
61.7%	6,284	6,275	-9	-0.1%
63.0%	6,282	6,224	-58	-0.9%
64.2%	6,263	6,206	-57	-0.9%
65.4%	6,241	6,200	-41	-0.7%
66.7%	6,186	6,134	-52	-0.8%
67.9%	6,155	6,028	-128	-2.1%
69.1%	6,137	6,026	-111	-1.8%
70.4%	6,063	6,003	-60	-1.0%
71.6%	6,059	5,968	-91	-1.5%
72.8%	6,023	5,914	-109	-1.8%
74.1%	6,003	5,913	-91	-1.5%
75.3%	5,989	5,895	-94	-1.6%
76.5%	5,904	5,880	-23	-0.4%
77.8%	5,860	5,837	-23	-0.4%
79.0%	5,845	5,745	-100	-1.7%
80.2%	5,845	5,704	-141	-2.4%
81.5%	5,778	5,648	-131	-2.3%
82.7%	5,720	5,605	-115	-2.0%
84.0%	5,602	5,602	-1	0.0%
85.2%	5,522	5,510	-12	-0.2%
86.4%	5,387	5,428	42	0.8%
87.7%	5,345	5,428	82	1.5%
88.9%	5,327	5,336	10	0.2%
90.1%	5,301	5,289	-12	-0.2%
91.4%	5,150	5,189	39	0.8%
92.6%	5,082	5,112	30	0.6%
93.8%	4,907	5,065	158	3.2%
95.1%	4,798	4,780	-18	-0.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,524	-239	-5.0%
98.8%	4,673	4,504	-169	-3.6%
100.0%	3,452	4,392	940	27.2%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	34,959	-1,433	-3.9%
1.2%	20,440	20,109	-331	-1.6%
2.5%	14,550	16,378	1,827	12.6%
3.7%	14,481	14,164	-317	-2.2%
4.9%	14,307	12,920	-1,387	-9.7%
6.2%	13,757	12,893	-864	-6.3%
7.4%	13,366	12,783	-583	-4.4%
8.6%	12,788	12,297	-491	-3.8%
9.9%	12,591	11,706	-885	-7.0%
11.1%	12,356	11,578	-778	-6.3%
12.3%	12,239	11,358	-880	-7.2%
13.6%	11,992	11,038	-954	-8.0%
14.8%	11,841	10,903	-938	-7.9%
16.0%	11,510	10,873	-637	-5.5%
17.3%	11,403	10,584	-819	-7.2%
18.5%	11,402	10,576	-825	-7.2%
19.8%	10,888	10,430	-458	-4.2%
21.0%	10,881	10,296	-585	-5.4%
22.2%	10,744	10,273	-472	-4.4%
23.5%	10,586	10,238	-348	-3.3%
24.7%	10,483	10,162	-321	-3.1%
25.9%	10,463	10,089	-374	-3.6%
27.2%	10,187	10,055	-132	-1.3%
28.4%	10,169	10,021	-148	-1.5%
29.6%	9,987	10,006	19	0.2%
30.9%	9,513	9,604	92	1.0%
32.1%	9,294	9,565	271	2.9%
33.3%	9,132	9,482	350	3.8%
34.6%	9,057	8,988	-69	-0.8%
35.8%	8,775	8,900	125	1.4%
37.0%	8,363	8,821	457	5.5%
38.3%	8,321	8,649	328	3.9%
39.5%	8,211	8,621	410	5.0%
40.7%	8,076	8,499	423	5.2%
42.0%	8,013	8,424	410	5.1%
43.2%	7,979	8,318	340	4.3%
44.4%	7,877	8,308	431	5.5%
45.7%	7,770	8,235	465	6.0%
46.9%	7,750	8,230	480	6.2%
48.1%	7,558	8,168	610	8.1%
49.4%	7,550	7,764	214	2.8%
50.6%	7,545	7,714	169	2.2%
51.9%	7,535	7,693	158	2.1%
53.1%	7,354	7,609	256	3.5%
54.3%	7,284	7,594	310	4.3%
55.6%	7,231	7,590	359	5.0%
56.8%	7,198	7,456	258	3.6%
58.0%	7,109	7,451	342	4.8%
59.3%	7,026	7,369	343	4.9%
60.5%	6,867	7,282	415	6.0%
61.7%	6,820	7,139	319	4.7%
63.0%	6,787	6,949	162	2.4%
64.2%	6,781	6,905	124	1.8%
65.4%	6,770	6,897	127	1.9%
66.7%	6,745	6,582	-163	-2.4%
67.9%	6,728	6,576	-152	-2.3%
69.1%	6,715	6,472	-244	-3.6%
70.4%	6,580	6,367	-213	-3.2%
71.6%	6,355	6,363	8	0.1%
72.8%	6,231	6,214	-17	-0.3%
74.1%	6,101	6,201	100	1.6%
75.3%	5,887	6,096	209	3.6%
76.5%	5,806	5,958	152	2.6%
77.8%	5,668	5,919	250	4.4%
79.0%	5,632	5,859	226	4.0%
80.2%	5,627	5,511	-116	-2.1%
81.5%	5,454	5,402	-52	-0.9%
82.7%	5,412	5,316	-96	-1.8%
84.0%	5,382	5,292	-90	-1.7%
85.2%	5,372	5,286	-86	-1.6%
86.4%	5,302	5,222	-80	-1.5%
87.7%	5,290	5,167	-123	-2.3%
88.9%	5,237	4,939	-298	-5.7%
90.1%	5,165	4,645	-520	-10.1%
91.4%	4,789	4,617	-172	-3.6%
92.6%	4,735	4,422	-312	-6.6%
93.8%	4,569	4,412	-157	-3.4%
95.1%	4,363	4,308	-55	-1.3%
96.3%	4,241	4,265	23	0.5%
97.5%	4,111	4,258	147	3.6%
98.8%	4,018	4,238	220	5.5%
100.0%	3,921	4,232	311	7.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	1	0.0%
1.2%	41,516	40,008	-1,508	-3.6%
2.5%	35,067	33,772	-1,295	-3.7%
3.7%	34,216	32,936	-1,280	-3.7%
4.9%	33,579	32,932	-648	-1.9%
6.2%	31,369	32,774	1,405	4.5%
7.4%	29,999	29,185	-814	-2.7%
8.6%	29,836	26,583	-3,254	-10.9%
9.9%	25,158	24,752	-407	-1.6%
11.1%	23,886	23,816	-70	-0.3%
12.3%	22,411	22,492	81	0.4%
13.6%	21,681	21,684	3	0.0%
14.8%	21,471	21,522	51	0.2%
16.0%	20,363	21,466	1,104	5.4%
17.3%	18,832	21,229	2,396	12.7%
18.5%	18,360	18,799	439	2.4%
19.8%	17,352	18,363	1,011	5.8%
21.0%	16,368	15,402	-966	-5.9%
22.2%	15,339	14,906	-434	-2.8%
23.5%	14,905	14,153	-752	-5.0%
24.7%	14,163	13,473	-691	-4.9%
25.9%	13,589	13,221	-368	-2.7%
27.2%	12,050	11,411	-639	-5.3%
28.4%	11,913	11,298	-615	-5.2%
29.6%	11,594	10,728	-866	-7.5%
30.9%	10,337	10,426	89	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,788	94	1.0%
34.6%	9,158	9,166	8	0.1%
35.8%	9,152	8,577	-574	-6.3%
37.0%	9,145	8,538	-607	-6.6%
38.3%	8,968	8,261	-707	-7.9%
39.5%	8,966	8,221	-746	-8.3%
40.7%	8,923	8,210	-712	-8.0%
42.0%	8,719	8,167	-552	-6.3%
43.2%	7,848	8,019	171	2.2%
44.4%	7,474	7,847	373	5.0%
45.7%	7,418	7,845	427	5.7%
46.9%	7,413	7,778	364	4.9%
48.1%	7,382	7,744	362	4.9%
49.4%	7,271	7,608	337	4.6%
50.6%	6,970	7,499	530	7.6%
51.9%	6,966	7,494	528	7.6%
53.1%	6,815	7,424	609	8.9%
54.3%	6,797	7,389	593	8.7%
55.6%	6,787	7,332	545	8.0%
56.8%	6,778	7,108	330	4.9%
58.0%	6,705	7,063	358	5.3%
59.3%	6,610	6,982	372	5.6%
60.5%	6,284	6,906	623	9.9%
61.7%	6,248	6,881	632	10.1%
63.0%	6,163	6,855	692	11.2%
64.2%	6,003	6,851	849	14.1%
65.4%	5,962	6,811	849	14.2%
66.7%	5,853	6,809	956	16.3%
67.9%	5,818	6,776	958	16.5%
69.1%	5,737	6,736	999	17.4%
70.4%	5,709	6,694	986	17.3%
71.6%	5,681	6,475	794	14.0%
72.8%	5,573	6,452	879	15.8%
74.1%	5,539	6,172	633	11.4%
75.3%	5,475	6,156	681	12.4%
76.5%	5,468	6,075	607	11.1%
77.8%	5,369	5,980	611	11.4%
79.0%	5,351	5,959	608	11.4%
80.2%	5,314	5,858	543	10.2%
81.5%	5,250	5,840	590	11.2%
82.7%	5,245	5,756	511	9.7%
84.0%	5,163	5,720	556	10.8%
85.2%	5,162	5,418	256	5.0%
86.4%	5,136	5,349	213	4.1%
87.7%	5,126	5,247	121	2.4%
88.9%	4,935	5,163	229	4.6%
90.1%	4,894	5,143	249	5.1%
91.4%	4,821	5,142	322	6.7%
92.6%	4,778	4,860	82	1.7%
93.8%	4,718	4,718	1	0.0%
95.1%	4,677	4,607	-70	-1.5%
96.3%	4,608	4,606	-1	0.0%
97.5%	4,306	4,307	1	0.0%
98.8%	4,147	4,259	112	2.7%
100.0%	3,977	4,144	167	4.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,092	75,967	-2,125	-2.7%
1.2%	57,390	57,392	2	0.0%
2.5%	52,217	50,108	-2,109	-4.0%
3.7%	51,046	48,917	-2,129	-4.2%
4.9%	43,122	44,790	1,668	3.9%
6.2%	41,929	38,757	-3,173	-7.6%
7.4%	40,889	38,716	-2,173	-5.3%
8.6%	35,251	37,837	2,586	7.3%
9.9%	32,236	30,869	-1,367	-4.2%
11.1%	30,871	30,109	-762	-2.5%
12.3%	27,604	26,103	-1,501	-5.4%
13.6%	27,045	25,707	-1,339	-4.9%
14.8%	27,041	24,766	-2,276	-8.4%
16.0%	26,882	24,424	-2,458	-9.1%
17.3%	26,112	22,947	-3,165	-12.1%
18.5%	23,617	21,485	-2,132	-9.0%
19.8%	22,945	20,104	-2,842	-12.4%
21.0%	21,167	19,427	-1,740	-8.2%
22.2%	20,626	18,575	-2,051	-9.9%
23.5%	20,445	18,508	-1,937	-9.5%
24.7%	19,839	18,301	-1,538	-7.8%
25.9%	18,772	16,778	-1,993	-10.6%
27.2%	17,647	15,525	-2,123	-12.0%
28.4%	15,596	13,478	-2,118	-13.6%
29.6%	15,562	13,442	-2,120	-13.6%
30.9%	15,203	13,153	-2,050	-13.5%
32.1%	14,569	12,455	-2,114	-14.5%
33.3%	14,023	12,265	-1,758	-12.5%
34.6%	13,976	12,111	-1,865	-13.3%
35.8%	12,934	11,897	-1,037	-8.0%
37.0%	12,561	11,853	-708	-5.6%
38.3%	12,405	11,201	-1,203	-9.7%
39.5%	12,265	10,439	-1,826	-14.9%
40.7%	11,742	10,151	-1,591	-13.5%
42.0%	11,388	9,698	-1,691	-14.8%
43.2%	11,201	9,625	-1,575	-14.1%
44.4%	10,740	9,547	-1,193	-11.1%
45.7%	10,472	9,355	-1,117	-10.7%
46.9%	10,301	9,262	-1,039	-10.1%
48.1%	10,270	9,159	-1,111	-10.8%
49.4%	10,000	8,919	-1,082	-10.8%
50.6%	9,337	8,273	-1,064	-11.4%
51.9%	9,033	7,982	-1,051	-11.6%
53.1%	8,455	7,822	-632	-7.5%
54.3%	8,378	7,744	-634	-7.6%
55.6%	8,361	7,672	-689	-8.2%
56.8%	8,043	7,567	-476	-5.9%
58.0%	7,922	7,396	-527	-6.6%
59.3%	7,744	7,170	-574	-7.4%
60.5%	7,620	7,160	-460	-6.0%
61.7%	7,540	7,104	-436	-5.8%
63.0%	7,508	7,055	-453	-6.0%
64.2%	7,308	7,013	-295	-4.0%
65.4%	7,220	6,998	-223	-3.1%
66.7%	6,860	6,858	-2	0.0%
67.9%	6,766	6,777	12	0.2%
69.1%	6,650	6,710	60	0.9%
70.4%	6,619	6,660	41	0.6%
71.6%	6,530	6,587	57	0.9%
72.8%	6,314	6,530	216	3.4%
74.1%	6,244	6,380	136	2.2%
75.3%	6,172	6,302	130	2.1%
76.5%	6,154	6,226	71	1.2%
77.8%	6,107	6,193	85	1.4%
79.0%	6,074	6,158	84	1.4%
80.2%	6,033	6,103	70	1.2%
81.5%	6,001	6,002	1	0.0%
82.7%	5,888	5,898	10	0.2%
84.0%	5,885	5,888	4	0.1%
85.2%	5,483	5,801	318	5.8%
86.4%	5,464	5,591	127	2.3%
87.7%	5,282	5,541	259	4.9%
88.9%	5,128	5,506	378	7.4%
90.1%	5,079	5,412	333	6.5%
91.4%	5,040	5,389	348	6.9%
92.6%	4,997	5,333	336	6.7%
93.8%	4,941	5,207	266	5.4%
95.1%	4,886	5,128	242	5.0%
96.3%	4,727	5,078	351	7.4%
97.5%	4,692	4,993	301	6.4%
98.8%	4,608	4,637	29	0.6%
100.0%	4,463	3,969	-493	-11.1%

Table SW-12-3b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	74,341	-6	0.0%
1.2%	63,776	66,514	2,738	4.3%
2.5%	63,339	63,790	451	0.7%
3.7%	55,701	55,699	-2	0.0%
4.9%	48,307	47,707	-601	-1.2%
6.2%	47,665	47,198	-468	-1.0%
7.4%	46,014	47,163	1,149	2.5%
8.6%	44,215	43,523	-691	-1.6%
9.9%	43,520	42,312	-1,208	-2.8%
11.1%	42,318	42,134	-184	-0.4%
12.3%	39,842	39,391	-451	-1.1%
13.6%	39,837	38,890	-947	-2.4%
14.8%	38,278	36,170	-2,108	-5.5%
16.0%	33,017	33,016	-2	0.0%
17.3%	32,937	32,938	1	0.0%
18.5%	31,197	30,227	-970	-3.1%
19.8%	30,223	29,077	-1,146	-3.8%
21.0%	28,064	25,943	-2,120	-7.6%
22.2%	27,321	25,198	-2,122	-7.8%
23.5%	24,548	24,343	-205	-0.8%
24.7%	24,343	21,757	-2,586	-10.6%
25.9%	23,544	21,423	-2,121	-9.0%
27.2%	20,903	20,835	-68	-0.3%
28.4%	20,834	20,599	-235	-1.1%
29.6%	19,774	19,371	-402	-2.0%
30.9%	17,823	16,196	-1,626	-9.1%
32.1%	17,423	14,618	-2,805	-16.1%
33.3%	16,767	13,617	-3,149	-18.8%
34.6%	15,985	13,342	-2,643	-16.5%
35.8%	15,464	13,139	-2,325	-15.0%
37.0%	15,145	13,091	-2,054	-13.6%
38.3%	14,009	12,330	-1,679	-12.0%
39.5%	13,805	11,745	-2,061	-14.9%
40.7%	13,192	11,683	-1,509	-11.4%
42.0%	13,023	11,079	-1,944	-14.9%
43.2%	12,985	11,037	-1,948	-15.0%
44.4%	12,511	10,895	-1,616	-12.9%
45.7%	11,237	10,518	-719	-6.4%
46.9%	11,170	10,392	-778	-7.0%
48.1%	11,117	9,826	-1,291	-11.6%
49.4%	10,802	9,799	-1,003	-9.3%
50.6%	10,784	9,111	-1,673	-15.5%
51.9%	10,516	9,014	-1,502	-14.3%
53.1%	9,976	8,995	-981	-9.8%
54.3%	9,827	8,993	-834	-8.5%
55.6%	9,296	8,674	-622	-6.7%
56.8%	9,048	8,667	-380	-4.2%
58.0%	9,031	8,660	-372	-4.1%
59.3%	8,875	8,356	-520	-5.9%
60.5%	8,716	8,106	-610	-7.0%
61.7%	8,652	8,099	-552	-6.4%
63.0%	8,615	7,376	-1,239	-14.4%
64.2%	8,492	7,113	-1,379	-16.2%
65.4%	8,210	7,110	-1,101	-13.4%
66.7%	7,908	7,079	-829	-10.5%
67.9%	7,864	7,012	-851	-10.8%
69.1%	7,681	6,909	-772	-10.0%
70.4%	7,618	6,889	-729	-9.6%
71.6%	7,605	6,797	-809	-10.6%
72.8%	7,373	6,752	-621	-8.4%
74.1%	7,209	6,740	-469	-6.5%
75.3%	6,888	6,713	-174	-2.5%
76.5%	6,850	6,707	-142	-2.1%
77.8%	6,836	6,664	-172	-2.5%
79.0%	6,650	6,533	-117	-1.8%
80.2%	6,636	6,290	-346	-5.2%
81.5%	6,576	6,263	-313	-4.8%
82.7%	6,545	5,950	-595	-9.1%
84.0%	5,881	5,929	47	0.8%
85.2%	5,554	5,797	243	4.4%
86.4%	5,487	5,625	139	2.5%
87.7%	5,453	5,620	166	3.1%
88.9%	5,406	5,504	99	1.8%
90.1%	5,174	5,502	328	6.3%
91.4%	5,092	5,447	355	7.0%
92.6%	5,082	5,404	322	6.3%
93.8%	4,983	5,175	191	3.8%
95.1%	4,913	4,985	72	1.5%
96.3%	4,792	4,679	-113	-2.4%
97.5%	4,678	4,467	-211	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	3,904	-544	-12.2%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,638	-38	-0.1%
1.2%	69,651	67,559	-2,093	-3.0%
2.5%	53,836	53,836	0	0.0%
3.7%	50,420	50,402	-18	0.0%
4.9%	47,071	47,064	-7	0.0%
6.2%	39,950	36,659	-3,291	-8.2%
7.4%	33,325	31,179	-2,146	-6.4%
8.6%	32,127	29,995	-2,132	-6.6%
9.9%	29,614	29,609	-6	0.0%
11.1%	27,030	25,380	-1,651	-6.1%
12.3%	25,386	24,907	-480	-1.9%
13.6%	23,894	24,162	268	1.1%
14.8%	21,569	21,564	-6	0.0%
16.0%	20,575	20,202	-373	-1.8%
17.3%	20,155	20,047	-108	-0.5%
18.5%	20,054	19,403	-651	-3.2%
19.8%	20,050	19,209	-841	-4.2%
21.0%	19,215	18,594	-621	-3.2%
22.2%	18,633	18,008	-625	-3.4%
23.5%	18,359	17,807	-553	-3.0%
24.7%	17,814	16,988	-826	-4.6%
25.9%	17,485	15,017	-2,467	-14.1%
27.2%	15,479	13,934	-1,545	-10.0%
28.4%	15,310	13,676	-1,634	-10.7%
29.6%	15,023	13,194	-1,829	-12.2%
30.9%	14,594	13,180	-1,414	-9.7%
32.1%	14,371	12,251	-2,120	-14.8%
33.3%	13,660	11,835	-1,826	-13.4%
34.6%	12,704	11,783	-921	-7.3%
35.8%	12,401	11,504	-896	-7.2%
37.0%	11,893	10,658	-1,235	-10.4%
38.3%	11,794	10,278	-1,516	-12.9%
39.5%	11,488	9,943	-1,544	-13.4%
40.7%	11,038	9,830	-1,207	-10.9%
42.0%	10,674	9,229	-1,445	-13.5%
43.2%	9,951	8,624	-1,326	-13.3%
44.4%	9,918	8,575	-1,343	-13.5%
45.7%	9,794	8,455	-1,338	-13.7%
46.9%	9,771	8,175	-1,596	-16.3%
48.1%	9,525	7,790	-1,736	-18.2%
49.4%	9,242	7,765	-1,477	-16.0%
50.6%	9,204	7,739	-1,465	-15.9%
51.9%	9,025	7,669	-1,356	-15.0%
53.1%	8,802	7,641	-1,161	-13.2%
54.3%	8,741	7,475	-1,267	-14.5%
55.6%	8,631	7,402	-1,229	-14.2%
56.8%	8,564	7,259	-1,305	-15.2%
58.0%	8,174	7,130	-1,045	-12.8%
59.3%	8,127	7,108	-1,020	-12.5%
60.5%	8,026	7,079	-947	-11.8%
61.7%	7,927	6,867	-1,060	-13.4%
63.0%	7,870	6,683	-1,187	-15.1%
64.2%	7,805	6,622	-1,183	-15.2%
65.4%	7,774	6,446	-1,328	-17.1%
66.7%	7,752	6,369	-1,383	-17.8%
67.9%	7,615	6,012	-1,603	-21.0%
69.1%	7,512	5,907	-1,605	-21.4%
70.4%	7,258	5,883	-1,376	-19.0%
71.6%	7,136	5,802	-1,334	-18.7%
72.8%	6,904	5,795	-1,109	-16.1%
74.1%	6,870	5,672	-1,198	-17.4%
75.3%	6,853	5,666	-1,187	-17.3%
76.5%	6,836	5,569	-1,267	-18.5%
77.8%	6,731	5,493	-1,238	-18.4%
79.0%	6,474	5,483	-991	-15.3%
80.2%	5,912	5,387	-526	-8.9%
81.5%	5,892	5,136	-756	-12.8%
82.7%	5,808	5,077	-731	-12.6%
84.0%	5,690	4,997	-693	-12.2%
85.2%	5,676	4,971	-705	-12.4%
86.4%	5,573	4,872	-701	-12.6%
87.7%	5,491	4,854	-636	-11.6%
88.9%	5,260	4,782	-478	-9.1%
90.1%	5,234	4,769	-465	-8.9%
91.4%	5,004	4,721	-283	-5.7%
92.6%	5,004	4,707	-297	-5.9%
93.8%	4,837	4,565	-272	-5.6%
95.1%	4,784	4,397	-387	-8.1%
96.3%	4,741	4,365	-376	-7.9%
97.5%	4,602	4,267	-334	-7.3%
98.8%	4,393	4,113	-280	-6.4%
100.0%	4,145	3,953	-192	-4.6%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	41,370	3	0.0%
1.2%	33,800	33,802	2	0.0%
2.5%	24,788	24,790	1	0.0%
3.7%	23,656	23,656	0	0.0%
4.9%	22,542	22,543	1	0.0%
6.2%	22,166	22,163	-3	0.0%
7.4%	17,986	17,985	-1	0.0%
8.6%	17,705	17,709	4	0.0%
9.9%	17,633	17,634	0	0.0%
11.1%	16,776	16,778	2	0.0%
12.3%	16,419	16,388	-31	-0.2%
13.6%	16,384	15,823	-561	-3.4%
14.8%	15,822	14,514	-1,308	-8.3%
16.0%	14,515	14,460	-55	-0.4%
17.3%	14,356	14,147	-209	-1.5%
18.5%	14,276	13,686	-590	-4.1%
19.8%	13,396	12,025	-1,371	-10.2%
21.0%	13,258	11,441	-1,817	-13.7%
22.2%	12,023	11,326	-696	-5.8%
23.5%	11,442	10,693	-749	-6.5%
24.7%	11,325	10,233	-1,091	-9.6%
25.9%	10,893	9,657	-1,236	-11.3%
27.2%	10,409	9,646	-763	-7.3%
28.4%	9,609	9,496	-113	-1.2%
29.6%	9,607	9,463	-144	-1.5%
30.9%	9,478	9,194	-284	-3.0%
32.1%	9,329	9,091	-238	-2.5%
33.3%	9,304	8,978	-326	-3.5%
34.6%	9,202	8,742	-460	-5.0%
35.8%	9,120	8,695	-425	-4.7%
37.0%	8,873	8,614	-259	-2.9%
38.3%	8,818	8,594	-224	-2.5%
39.5%	8,818	8,551	-267	-3.0%
40.7%	8,720	8,548	-172	-2.0%
42.0%	8,704	8,491	-213	-2.4%
43.2%	8,665	8,456	-209	-2.4%
44.4%	8,656	8,412	-244	-2.8%
45.7%	8,615	8,361	-254	-2.9%
46.9%	8,597	8,339	-258	-3.0%
48.1%	8,492	8,082	-411	-4.8%
49.4%	8,451	8,078	-373	-4.4%
50.6%	8,450	7,869	-582	-6.9%
51.9%	8,351	7,723	-628	-7.5%
53.1%	8,335	7,622	-713	-8.6%
54.3%	8,277	7,549	-728	-8.8%
55.6%	8,261	7,450	-811	-9.8%
56.8%	8,088	7,429	-659	-8.1%
58.0%	8,051	7,342	-709	-8.8%
59.3%	8,015	7,206	-809	-10.1%
60.5%	7,897	7,107	-791	-10.0%
61.7%	7,864	7,035	-829	-10.5%
63.0%	7,749	7,022	-727	-9.4%
64.2%	7,743	6,952	-791	-10.2%
65.4%	7,663	6,929	-733	-9.6%
66.7%	7,582	6,925	-657	-8.7%
67.9%	7,478	6,745	-732	-9.8%
69.1%	7,346	6,689	-657	-8.9%
70.4%	7,334	6,677	-658	-9.0%
71.6%	7,275	6,671	-604	-8.3%
72.8%	7,270	6,665	-605	-8.3%
74.1%	7,166	6,629	-537	-7.5%
75.3%	7,105	6,603	-502	-7.1%
76.5%	7,073	6,516	-557	-7.9%
77.8%	7,044	6,496	-549	-7.8%
79.0%	7,029	6,412	-617	-8.8%
80.2%	7,023	6,403	-620	-8.8%
81.5%	6,907	6,388	-519	-7.5%
82.7%	6,896	6,230	-666	-9.7%
84.0%	6,866	6,215	-651	-9.5%
85.2%	6,805	6,212	-593	-8.7%
86.4%	6,736	6,121	-615	-9.1%
87.7%	6,710	5,997	-713	-10.6%
88.9%	6,689	5,989	-700	-10.5%
90.1%	6,633	5,950	-682	-10.3%
91.4%	6,392	5,912	-480	-7.5%
92.6%	6,358	5,571	-787	-12.4%
93.8%	6,198	5,460	-738	-11.9%
95.1%	6,162	5,392	-770	-12.5%
96.3%	5,820	5,189	-631	-10.8%
97.5%	5,479	5,039	-440	-8.0%
98.8%	5,336	4,951	-385	-7.2%
100.0%	4,994	4,718	-275	-5.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,541	22,543	2	0.0%
1.2%	18,878	18,880	2	0.0%
2.5%	18,005	18,007	2	0.0%
3.7%	17,546	17,548	3	0.0%
4.9%	17,072	17,072	0	0.0%
6.2%	16,959	16,960	1	0.0%
7.4%	14,152	14,080	-72	-0.5%
8.6%	13,944	14,066	123	0.9%
9.9%	13,824	13,872	48	0.3%
11.1%	13,268	12,684	-584	-4.4%
12.3%	12,683	11,802	-881	-6.9%
13.6%	11,801	11,694	-107	-0.9%
14.8%	11,693	11,425	-267	-2.3%
16.0%	11,679	11,363	-315	-2.7%
17.3%	11,364	11,305	-58	-0.5%
18.5%	11,220	10,888	-332	-3.0%
19.8%	11,070	10,851	-219	-2.0%
21.0%	10,851	10,596	-255	-2.3%
22.2%	10,668	10,548	-121	-1.1%
23.5%	10,569	10,428	-141	-1.3%
24.7%	10,425	10,280	-145	-1.4%
25.9%	10,393	9,684	-709	-6.8%
27.2%	10,288	9,517	-771	-7.5%
28.4%	10,032	9,372	-659	-6.6%
29.6%	10,024	8,986	-1,038	-10.4%
30.9%	9,985	8,968	-1,017	-10.2%
32.1%	9,857	8,863	-994	-10.1%
33.3%	9,712	8,840	-872	-9.0%
34.6%	9,558	8,774	-784	-8.2%
35.8%	9,533	8,578	-955	-10.0%
37.0%	9,110	8,550	-560	-6.1%
38.3%	9,107	8,523	-585	-6.4%
39.5%	8,980	8,518	-463	-5.2%
40.7%	8,870	8,500	-370	-4.2%
42.0%	8,690	8,343	-347	-4.0%
43.2%	8,685	8,278	-407	-4.7%
44.4%	8,639	8,212	-427	-4.9%
45.7%	8,623	8,178	-446	-5.2%
46.9%	8,385	8,146	-240	-2.9%
48.1%	8,314	8,122	-192	-2.3%
49.4%	8,186	8,114	-73	-0.9%
50.6%	8,182	8,102	-80	-1.0%
51.9%	8,136	8,073	-62	-0.8%
53.1%	8,132	8,043	-89	-1.1%
54.3%	8,121	8,021	-100	-1.2%
55.6%	8,025	8,011	-14	-0.2%
56.8%	7,986	7,964	-22	-0.3%
58.0%	7,945	7,959	14	0.2%
59.3%	7,945	7,957	12	0.2%
60.5%	7,938	7,937	-1	0.0%
61.7%	7,932	7,879	-52	-0.7%
63.0%	7,846	7,848	2	0.0%
64.2%	7,843	7,826	-18	-0.2%
65.4%	7,821	7,772	-49	-0.6%
66.7%	7,818	7,709	-108	-1.4%
67.9%	7,808	7,707	-101	-1.3%
69.1%	7,807	7,699	-109	-1.4%
70.4%	7,784	7,697	-87	-1.1%
71.6%	7,646	7,633	-13	-0.2%
72.8%	7,616	7,609	-7	-0.1%
74.1%	7,608	7,440	-168	-2.2%
75.3%	7,599	7,417	-182	-2.4%
76.5%	7,554	7,378	-176	-2.3%
77.8%	7,519	7,361	-158	-2.1%
79.0%	7,440	7,298	-142	-1.9%
80.2%	7,400	7,271	-129	-1.7%
81.5%	7,298	7,253	-46	-0.6%
82.7%	7,273	7,225	-48	-0.7%
84.0%	7,257	7,108	-149	-2.1%
85.2%	7,136	7,072	-64	-0.9%
86.4%	7,059	6,965	-94	-1.3%
87.7%	7,042	6,900	-142	-2.0%
88.9%	7,038	6,889	-149	-2.1%
90.1%	6,996	6,732	-264	-3.8%
91.4%	6,950	6,711	-239	-3.4%
92.6%	6,773	6,425	-348	-5.1%
93.8%	6,624	6,401	-223	-3.4%
95.1%	6,607	6,374	-233	-3.5%
96.3%	6,340	6,159	-181	-2.9%
97.5%	6,267	5,677	-589	-9.4%
98.8%	6,148	5,362	-786	-12.8%
100.0%	5,942	5,197	-745	-12.5%

Table SW-12-3b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	24,555	625	2.6%
1.2%	16,154	16,816	663	4.1%
2.5%	15,144	15,238	94	0.6%
3.7%	14,772	14,998	226	1.5%
4.9%	14,616	14,328	-289	-2.0%
6.2%	14,495	13,867	-627	-4.3%
7.4%	13,808	12,796	-1,012	-7.3%
8.6%	13,165	12,737	-427	-3.2%
9.9%	12,789	12,704	-85	-0.7%
11.1%	12,580	12,371	-208	-1.7%
12.3%	12,448	12,184	-264	-2.1%
13.6%	12,358	12,116	-242	-2.0%
14.8%	12,189	11,883	-305	-2.5%
16.0%	12,138	11,871	-268	-2.2%
17.3%	12,123	11,811	-312	-2.6%
18.5%	12,108	11,790	-318	-2.6%
19.8%	11,882	11,623	-259	-2.2%
21.0%	11,863	11,474	-389	-3.3%
22.2%	11,727	11,459	-269	-2.3%
23.5%	11,724	11,415	-309	-2.6%
24.7%	11,706	11,411	-296	-2.5%
25.9%	11,527	11,344	-183	-1.6%
27.2%	11,492	11,286	-206	-1.8%
28.4%	11,421	11,280	-141	-1.2%
29.6%	11,345	11,242	-104	-0.9%
30.9%	11,274	11,134	-141	-1.2%
32.1%	11,267	11,074	-193	-1.7%
33.3%	11,137	10,976	-161	-1.4%
34.6%	10,988	10,890	-98	-0.9%
35.8%	10,963	10,854	-109	-1.0%
37.0%	10,951	10,833	-118	-1.1%
38.3%	10,854	10,818	-36	-0.3%
39.5%	10,833	10,730	-103	-1.0%
40.7%	10,739	10,635	-105	-1.0%
42.0%	10,706	10,571	-135	-1.3%
43.2%	10,689	10,566	-123	-1.2%
44.4%	10,683	10,553	-130	-1.2%
45.7%	10,658	10,535	-123	-1.2%
46.9%	10,622	10,510	-112	-1.1%
48.1%	10,620	10,509	-111	-1.0%
49.4%	10,589	10,508	-80	-0.8%
50.6%	10,551	10,497	-54	-0.5%
51.9%	10,528	10,419	-109	-1.0%
53.1%	10,521	10,402	-119	-1.1%
54.3%	10,476	10,397	-79	-0.8%
55.6%	10,468	10,396	-72	-0.7%
56.8%	10,465	10,349	-116	-1.1%
58.0%	10,423	10,338	-85	-0.8%
59.3%	10,383	10,307	-76	-0.7%
60.5%	10,365	10,301	-64	-0.6%
61.7%	10,356	10,291	-66	-0.6%
63.0%	10,337	10,265	-72	-0.7%
64.2%	10,306	10,262	-43	-0.4%
65.4%	10,302	10,236	-67	-0.6%
66.7%	10,257	10,212	-44	-0.4%
67.9%	10,225	10,177	-48	-0.5%
69.1%	10,211	10,175	-36	-0.3%
70.4%	10,208	10,164	-44	-0.4%
71.6%	10,107	10,153	46	0.5%
72.8%	10,098	10,148	50	0.5%
74.1%	10,074	10,049	-25	-0.2%
75.3%	10,022	9,936	-86	-0.9%
76.5%	9,967	9,888	-79	-0.8%
77.8%	9,918	9,847	-71	-0.7%
79.0%	9,906	9,847	-59	-0.6%
80.2%	9,727	9,767	41	0.4%
81.5%	9,714	9,747	34	0.3%
82.7%	9,706	9,747	41	0.4%
84.0%	9,686	9,694	8	0.1%
85.2%	9,676	9,670	-5	-0.1%
86.4%	9,600	9,658	58	0.6%
87.7%	9,535	9,653	118	1.2%
88.9%	9,466	9,584	118	1.2%
90.1%	9,436	9,547	111	1.2%
91.4%	9,292	9,391	100	1.1%
92.6%	9,290	9,312	22	0.2%
93.8%	9,252	9,281	29	0.3%
95.1%	9,035	9,166	131	1.4%
96.3%	8,803	8,549	-254	-2.9%
97.5%	8,189	8,490	301	3.7%
98.8%	7,856	8,401	545	6.9%
100.0%	7,758	8,366	608	7.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	16,389	765	4.9%
1.2%	15,557	16,306	749	4.8%
2.5%	15,348	16,156	808	5.3%
3.7%	14,954	15,929	976	6.5%
4.9%	14,936	15,508	572	3.8%
6.2%	14,714	15,482	768	5.2%
7.4%	14,702	15,357	655	4.5%
8.6%	14,648	15,242	594	4.1%
9.9%	14,539	15,155	615	4.2%
11.1%	14,526	15,029	504	3.5%
12.3%	14,506	15,000	494	3.4%
13.6%	14,506	14,883	378	2.6%
14.8%	14,474	14,783	309	2.1%
16.0%	14,418	14,750	332	2.3%
17.3%	14,353	14,732	380	2.6%
18.5%	14,269	14,725	456	3.2%
19.8%	14,241	14,722	481	3.4%
21.0%	14,212	14,674	461	3.2%
22.2%	14,103	14,508	405	2.9%
23.5%	14,091	14,447	356	2.5%
24.7%	14,027	14,413	386	2.8%
25.9%	13,984	14,379	395	2.8%
27.2%	13,943	14,373	430	3.1%
28.4%	13,836	14,351	515	3.7%
29.6%	13,827	14,304	477	3.5%
30.9%	13,821	13,809	-12	-0.1%
32.1%	13,816	13,802	-14	-0.1%
33.3%	13,768	13,786	19	0.1%
34.6%	13,720	13,737	17	0.1%
35.8%	13,719	13,622	-97	-0.7%
37.0%	13,700	13,503	-197	-1.4%
38.3%	13,616	13,457	-159	-1.2%
39.5%	13,374	13,416	42	0.3%
40.7%	13,258	13,315	58	0.4%
42.0%	13,150	13,260	110	0.8%
43.2%	13,142	13,016	-126	-1.0%
44.4%	13,107	12,945	-162	-1.2%
45.7%	13,102	12,923	-180	-1.4%
46.9%	13,086	12,858	-228	-1.7%
48.1%	13,049	12,689	-359	-2.8%
49.4%	12,710	12,382	-327	-2.6%
50.6%	12,386	12,343	-43	-0.3%
51.9%	12,318	12,328	11	0.1%
53.1%	12,304	12,325	21	0.2%
54.3%	12,281	12,276	-5	0.0%
55.6%	12,211	12,274	62	0.5%
56.8%	12,175	12,170	-5	0.0%
58.0%	12,156	12,163	-3	0.0%
59.3%	12,089	12,118	30	0.2%
60.5%	11,896	12,041	145	1.2%
61.7%	11,799	12,037	238	2.0%
63.0%	11,748	11,995	247	2.1%
64.2%	11,746	11,906	161	1.4%
65.4%	11,737	11,805	68	0.6%
66.7%	11,668	11,779	111	1.0%
67.9%	11,643	11,735	92	0.8%
69.1%	11,544	11,690	146	1.3%
70.4%	11,529	11,674	145	1.3%
71.6%	11,423	11,570	147	1.3%
72.8%	11,402	11,565	163	1.4%
74.1%	11,368	11,530	162	1.4%
75.3%	11,354	11,519	166	1.5%
76.5%	11,271	11,403	132	1.2%
77.8%	11,187	11,383	196	1.7%
79.0%	11,156	11,333	176	1.6%
80.2%	11,151	11,221	69	0.6%
81.5%	11,027	11,131	104	0.9%
82.7%	11,025	11,115	90	0.8%
84.0%	10,872	11,036	164	1.5%
85.2%	10,750	10,730	-20	-0.2%
86.4%	10,629	10,711	82	0.8%
87.7%	10,629	10,679	50	0.5%
88.9%	10,553	10,604	51	0.5%
90.1%	10,445	10,595	150	1.4%
91.4%	10,420	10,500	81	0.8%
92.6%	10,218	10,453	234	2.3%
93.8%	10,127	10,424	297	2.9%
95.1%	10,017	10,326	309	3.1%
96.3%	9,960	10,238	278	2.8%
97.5%	9,778	9,824	46	0.5%
98.8%	9,423	9,572	148	1.6%
100.0%	8,541	9,137	596	7.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	13,622	-112	-0.8%
1.2%	13,621	12,875	-746	-5.5%
2.5%	13,216	12,819	-398	-3.0%
3.7%	13,085	12,766	-319	-2.4%
4.9%	12,860	12,704	-156	-1.2%
6.2%	12,633	12,449	-183	-1.5%
7.4%	12,489	12,147	-342	-2.7%
8.6%	12,160	12,104	-56	-0.5%
9.9%	12,104	11,973	-131	-1.1%
11.1%	11,691	11,822	131	1.1%
12.3%	11,657	11,443	-215	-1.8%
13.6%	11,645	11,336	-309	-2.7%
14.8%	11,503	11,096	-407	-3.5%
16.0%	11,473	11,028	-445	-3.9%
17.3%	11,451	11,018	-433	-3.8%
18.5%	11,436	10,968	-468	-4.1%
19.8%	11,301	10,962	-338	-3.0%
21.0%	11,235	10,785	-450	-4.0%
22.2%	11,211	10,728	-483	-4.3%
23.5%	10,863	10,626	-238	-2.2%
24.7%	10,839	10,415	-424	-3.9%
25.9%	10,741	10,319	-421	-3.9%
27.2%	10,694	10,297	-397	-3.7%
28.4%	10,689	10,295	-394	-3.7%
29.6%	10,513	10,218	-295	-2.8%
30.9%	10,472	10,196	-276	-2.6%
32.1%	10,458	10,152	-307	-2.9%
33.3%	10,335	10,040	-295	-2.9%
34.6%	10,327	10,028	-299	-2.9%
35.8%	10,284	9,969	-315	-3.1%
37.0%	10,246	9,854	-392	-3.8%
38.3%	10,244	9,842	-402	-3.9%
39.5%	10,126	9,822	-303	-3.0%
40.7%	10,104	9,807	-297	-2.9%
42.0%	10,063	9,761	-302	-3.0%
43.2%	10,027	9,664	-363	-3.6%
44.4%	9,990	9,564	-427	-4.3%
45.7%	9,990	9,541	-448	-4.5%
46.9%	9,974	9,512	-463	-4.6%
48.1%	9,933	9,501	-433	-4.4%
49.4%	9,930	9,471	-459	-4.6%
50.6%	9,886	9,450	-436	-4.4%
51.9%	9,836	9,432	-404	-4.1%
53.1%	9,825	9,427	-398	-4.0%
54.3%	9,795	9,411	-384	-3.9%
55.6%	9,662	9,398	-263	-2.7%
56.8%	9,633	9,371	-263	-2.7%
58.0%	9,608	9,366	-242	-2.5%
59.3%	9,599	9,343	-256	-2.7%
60.5%	9,593	9,289	-304	-3.2%
61.7%	9,509	9,263	-246	-2.6%
63.0%	9,439	9,256	-182	-1.9%
64.2%	9,321	9,240	-81	-0.9%
65.4%	9,277	9,218	-59	-0.6%
66.7%	9,268	9,215	-53	-0.6%
67.9%	9,250	9,190	-60	-0.7%
69.1%	9,209	9,185	-24	-0.3%
70.4%	9,199	9,154	-46	-0.5%
71.6%	9,192	9,105	-86	-0.9%
72.8%	9,125	9,065	-60	-0.7%
74.1%	9,076	8,968	-108	-1.2%
75.3%	8,983	8,936	-47	-0.5%
76.5%	8,946	8,935	-11	-0.1%
77.8%	8,945	8,930	-15	-0.2%
79.0%	8,929	8,916	-13	-0.1%
80.2%	8,927	8,913	-13	-0.1%
81.5%	8,772	8,911	140	1.6%
82.7%	8,699	8,888	189	2.2%
84.0%	8,682	8,813	131	1.5%
85.2%	8,666	8,761	96	1.1%
86.4%	8,584	8,749	165	1.9%
87.7%	8,531	8,738	206	2.4%
88.9%	8,514	8,730	216	2.5%
90.1%	8,480	8,705	225	2.7%
91.4%	8,470	8,659	189	2.2%
92.6%	8,459	8,659	200	2.4%
93.8%	8,389	8,429	40	0.5%
95.1%	8,368	8,314	-54	-0.6%
96.3%	8,350	8,053	-298	-3.6%
97.5%	7,769	7,771	2	0.0%
98.8%	7,219	7,464	245	3.4%
100.0%	6,951	6,933	-19	-0.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,501	14,991	-1,510	-9.2%
1.2%	15,191	14,808	-383	-2.5%
2.5%	15,100	14,683	-416	-2.8%
3.7%	15,001	14,065	-936	-6.2%
4.9%	14,843	13,828	-1,015	-6.8%
6.2%	14,483	13,658	-825	-5.7%
7.4%	13,768	13,650	-118	-0.9%
8.6%	13,614	13,600	-14	-0.1%
9.9%	13,409	13,462	53	0.4%
11.1%	13,161	13,271	110	0.8%
12.3%	13,158	13,025	-133	-1.0%
13.6%	13,024	12,640	-384	-2.9%
14.8%	12,997	12,409	-588	-4.5%
16.0%	12,918	12,383	-535	-4.1%
17.3%	12,506	12,353	-152	-1.2%
18.5%	12,468	12,094	-374	-3.0%
19.8%	12,352	11,727	-626	-5.1%
21.0%	12,237	11,518	-719	-5.9%
22.2%	11,964	11,484	-480	-4.0%
23.5%	11,717	11,372	-345	-2.9%
24.7%	11,442	11,339	-103	-0.9%
25.9%	11,169	11,011	-157	-1.4%
27.2%	10,910	10,980	71	0.7%
28.4%	10,709	10,702	-7	-0.1%
29.6%	10,201	9,890	-311	-3.1%
30.9%	9,965	9,408	-557	-5.6%
32.1%	9,957	9,304	-654	-6.6%
33.3%	9,698	9,107	-591	-6.1%
34.6%	9,363	8,490	-873	-9.3%
35.8%	9,157	8,360	-798	-8.7%
37.0%	8,974	8,260	-714	-8.0%
38.3%	8,806	7,656	-1,149	-13.1%
39.5%	8,803	7,476	-1,327	-15.1%
40.7%	8,082	7,213	-869	-10.7%
42.0%	7,392	6,858	-534	-7.2%
43.2%	7,113	6,754	-358	-5.0%
44.4%	7,033	6,725	-308	-4.4%
45.7%	7,023	6,647	-376	-5.4%
46.9%	6,989	6,559	-430	-6.2%
48.1%	6,953	6,558	-395	-5.7%
49.4%	6,830	6,447	-383	-5.6%
50.6%	6,733	6,425	-308	-4.6%
51.9%	6,683	6,306	-377	-5.6%
53.1%	6,630	6,255	-375	-5.7%
54.3%	6,378	6,199	-179	-2.8%
55.6%	6,348	6,192	-156	-2.5%
56.8%	6,219	6,157	-62	-1.0%
58.0%	6,131	6,138	6	0.1%
59.3%	6,079	6,081	1	0.0%
60.5%	6,069	6,047	-22	-0.4%
61.7%	6,046	5,983	-63	-1.0%
63.0%	6,029	5,979	-50	-0.8%
64.2%	6,026	5,961	-65	-1.1%
65.4%	6,004	5,861	-143	-2.4%
66.7%	5,977	5,839	-138	-2.3%
67.9%	5,968	5,822	-146	-2.4%
69.1%	5,916	5,765	-151	-2.5%
70.4%	5,760	5,763	3	0.1%
71.6%	5,736	5,736	0	0.0%
72.8%	5,718	5,730	12	0.2%
74.1%	5,701	5,693	-8	-0.1%
75.3%	5,664	5,658	-6	-0.1%
76.5%	5,547	5,636	88	1.6%
77.8%	5,544	5,570	25	0.5%
79.0%	5,489	5,544	55	1.0%
80.2%	5,454	5,445	-9	-0.2%
81.5%	5,411	5,428	17	0.3%
82.7%	5,369	5,423	54	1.0%
84.0%	5,333	5,368	34	0.6%
85.2%	5,196	5,277	81	1.6%
86.4%	5,188	5,272	84	1.6%
87.7%	5,046	5,264	217	4.3%
88.9%	4,940	5,201	261	5.3%
90.1%	4,826	5,062	236	4.9%
91.4%	4,815	5,036	222	4.6%
92.6%	4,577	4,907	330	7.2%
93.8%	4,561	4,682	121	2.7%
95.1%	4,446	4,659	213	4.8%
96.3%	4,405	4,465	60	1.4%
97.5%	4,302	4,445	143	3.3%
98.8%	4,290	4,406	117	2.7%
100.0%	4,046	4,354	308	7.6%

Table SW-13-3a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative A	6,647	8,794	12,555	16,313	19,418	15,256	9,647	8,484	9,426	11,181	7,947	7,700
Difference	115	-57	-238	-979	-952	-1,447	-516	-172	761	1,237	-94	-180
Percent Difference[3]	1.8%	-0.6%	-1.9%	-5.7%	-4.7%	-8.7%	-5.1%	-2.0%	8.8%	12.4%	-1.2%	-2.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative A	8,090	10,875	12,968	30,322	33,175	27,674	15,707	11,911	10,091	10,682	8,043	11,918
Difference	479	-592	-316	-1,030	-789	-604	-139	40	1,121	1,050	-238	-269
Percent Difference	6.3%	-5.2%	-2.4%	-3.3%	-2.3%	-2.1%	-0.9%	0.3%	12.5%	10.9%	-2.9%	-2.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative A	6,376	10,829	12,777	16,808	25,220	17,009	9,712	8,642	9,486	12,116	7,523	7,244
Difference	-43	-34	-338	-2,133	-1,366	-1,710	-490	-148	731	1,653	-330	-714
Percent Difference	-0.7%	-0.3%	-2.6%	-11.3%	-5.1%	-9.1%	-4.8%	-1.7%	8.3%	15.8%	-4.2%	-9.0%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative A	6,521	8,103	14,195	9,392	12,424	8,294	7,245	6,815	8,502	11,095	7,348	5,315
Difference	573	415	-218	-1,287	-1,144	-2,068	-548	-224	234	1,567	-232	161
Percent Difference	9.6%	5.4%	-1.5%	-12.1%	-8.4%	-20.0%	-7.0%	-3.2%	2.8%	16.4%	-3.1%	3.1%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative A	5,586	7,250	14,515	7,574	9,598	7,812	5,411	6,300	9,278	11,588	8,131	5,287
Difference	-509	292	116	-341	-917	-2,221	-1,193	-533	696	1,352	-212	-239
Percent Difference	-8.4%	4.2%	0.8%	-4.3%	-8.7%	-22.1%	-18.1%	-7.8%	8.1%	13.2%	-2.5%	-4.3%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative A	5,529	5,371	6,582	6,649	6,698	5,886	5,607	6,126	9,226	10,817	8,583	5,417
Difference	-112	2	-526	-310	-720	-1,125	-309	-52	722	670	790	235
Percent Difference	-2.0%	0.0%	-7.4%	-4.5%	-9.7%	-16.0%	-5.2%	-0.8%	8.5%	6.6%	10.1%	4.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-13-3b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

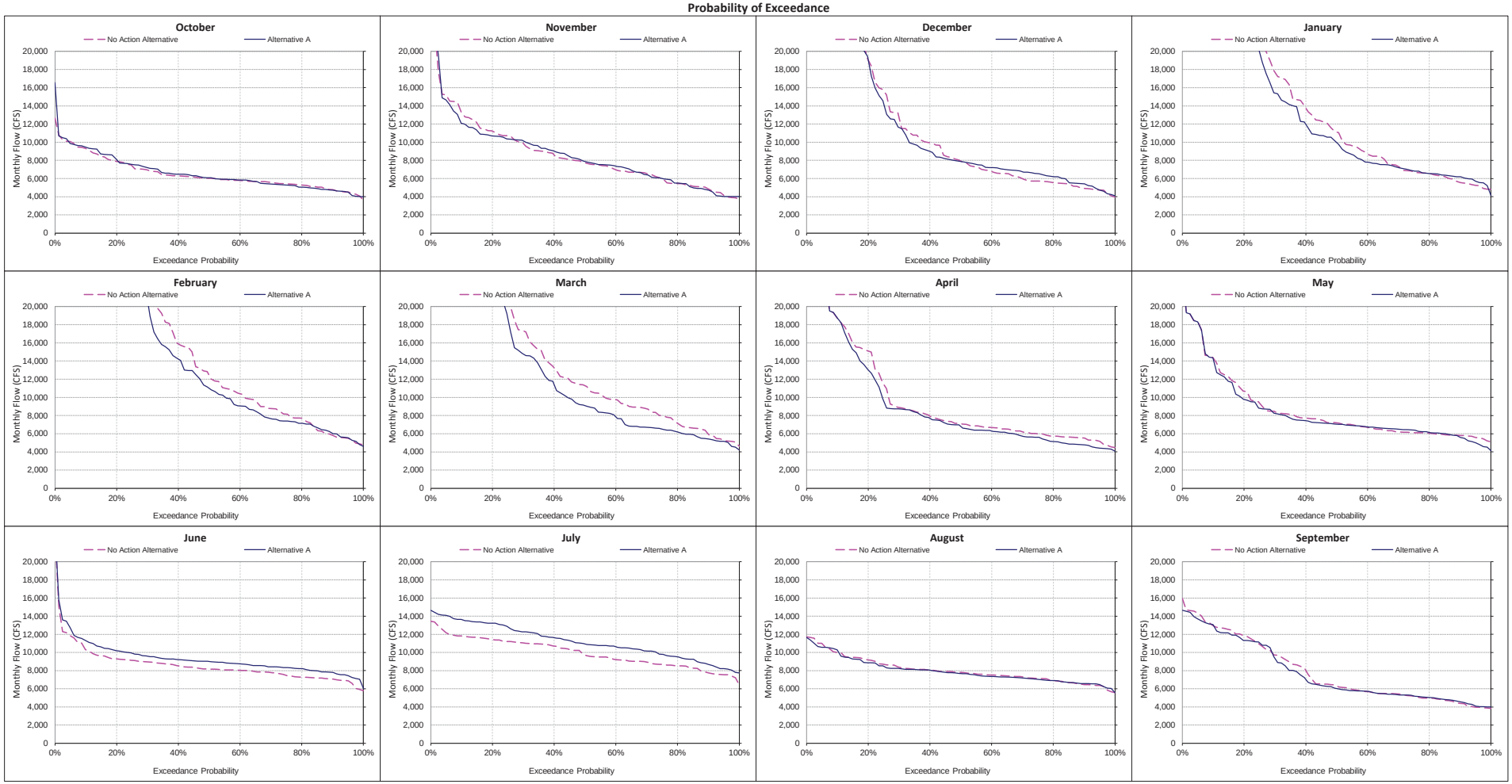

Table SW-13-3b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	16,552	3,901	30.8%
1.2%	10,812	10,705	-106	-1.0%
2.5%	10,263	10,485	222	2.2%
3.7%	10,097	10,383	286	2.8%
4.9%	10,066	9,846	-219	-2.2%
6.2%	9,845	9,753	-91	-0.9%
7.4%	9,457	9,635	178	1.9%
8.6%	9,426	9,616	191	2.0%
9.9%	9,329	9,465	136	1.5%
11.1%	9,110	9,338	228	2.5%
12.3%	8,810	9,263	452	5.1%
13.6%	8,707	9,230	523	6.0%
14.8%	8,447	8,699	252	3.0%
16.0%	8,380	8,647	267	3.2%
17.3%	8,099	8,615	516	6.4%
18.5%	8,005	8,603	598	7.5%
19.8%	7,899	8,183	284	3.6%
21.0%	7,850	7,716	-134	-1.7%
22.2%	7,762	7,690	-71	-0.9%
23.5%	7,564	7,657	93	1.2%
24.7%	7,511	7,579	68	0.9%
25.9%	7,056	7,500	444	6.3%
27.2%	7,055	7,473	418	5.9%
28.4%	7,036	7,357	321	4.6%
29.6%	6,990	7,220	230	3.3%
30.9%	6,851	7,134	284	4.1%
32.1%	6,788	7,090	302	4.4%
33.3%	6,745	7,025	279	4.1%
34.6%	6,462	6,683	221	3.4%
35.8%	6,391	6,604	213	3.3%
37.0%	6,374	6,601	228	3.6%
38.3%	6,311	6,497	186	3.0%
39.5%	6,301	6,492	191	3.0%
40.7%	6,292	6,491	199	3.2%
42.0%	6,247	6,483	236	3.8%
43.2%	6,232	6,432	200	3.2%
44.4%	6,188	6,316	128	2.1%
45.7%	6,139	6,305	167	2.7%
46.9%	6,093	6,198	105	1.7%
48.1%	6,080	6,124	44	0.7%
49.4%	6,034	6,096	62	1.0%
50.6%	6,018	6,089	71	1.2%
51.9%	5,994	5,985	-9	-0.1%
53.1%	5,901	5,949	49	0.8%
54.3%	5,890	5,921	31	0.5%
55.6%	5,882	5,915	33	0.6%
56.8%	5,807	5,893	86	1.5%
58.0%	5,796	5,888	92	1.6%
59.3%	5,795	5,831	36	0.6%
60.5%	5,772	5,827	55	0.9%
61.7%	5,742	5,825	83	1.4%
63.0%	5,687	5,768	81	1.4%
64.2%	5,686	5,697	11	0.2%
65.4%	5,670	5,663	-7	-0.1%
66.7%	5,662	5,467	-196	-3.5%
67.9%	5,659	5,450	-209	-3.7%
69.1%	5,597	5,423	-174	-3.1%
70.4%	5,542	5,386	-156	-2.8%
71.6%	5,504	5,348	-157	-2.8%
72.8%	5,455	5,328	-126	-2.3%
74.1%	5,430	5,307	-123	-2.3%
75.3%	5,413	5,288	-124	-2.3%
76.5%	5,375	5,247	-128	-2.4%
77.8%	5,346	5,223	-123	-2.3%
79.0%	5,291	5,062	-229	-4.3%
80.2%	5,277	5,043	-234	-4.4%
81.5%	5,237	5,034	-203	-3.9%
82.7%	5,138	4,961	-177	-3.4%
84.0%	5,124	4,955	-170	-3.3%
85.2%	5,055	4,884	-171	-3.4%
86.4%	5,041	4,813	-228	-4.5%
87.7%	4,880	4,802	-78	-1.6%
88.9%	4,795	4,761	-33	-0.7%
90.1%	4,767	4,707	-60	-1.3%
91.4%	4,644	4,638	-6	-0.1%
92.6%	4,613	4,612	-1	0.0%
93.8%	4,525	4,572	46	1.0%
95.1%	4,514	4,487	-27	-0.6%
96.3%	4,367	4,124	-244	-5.6%
97.5%	4,264	4,062	-202	-4.7%
98.8%	4,076	4,014	-63	-1.5%
100.0%	3,617	4,004	387	10.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	37,159	-2,724	-6.8%
1.2%	22,766	22,443	-323	-1.4%
2.5%	17,745	19,650	1,905	10.7%
3.7%	15,278	14,884	-395	-2.6%
4.9%	15,209	14,654	-556	-3.7%
6.2%	14,513	14,118	-395	-2.7%
7.4%	14,497	13,436	-1,061	-7.3%
8.6%	14,412	13,054	-1,358	-9.4%
9.9%	13,310	12,092	-1,217	-9.1%
11.1%	12,787	11,989	-798	-6.2%
12.3%	12,699	11,651	-1,048	-8.3%
13.6%	12,493	11,613	-881	-7.0%
14.8%	12,206	11,370	-836	-6.8%
16.0%	11,527	10,879	-648	-5.6%
17.3%	11,482	10,874	-608	-5.3%
18.5%	11,281	10,815	-466	-4.1%
19.8%	11,253	10,698	-555	-4.9%
21.0%	11,060	10,671	-389	-3.5%
22.2%	10,839	10,651	-188	-1.7%
23.5%	10,719	10,560	-159	-1.5%
24.7%	10,713	10,371	-342	-3.2%
25.9%	10,674	10,323	-351	-3.3%
27.2%	10,258	10,267	8	0.1%
28.4%	10,044	10,257	214	2.1%
29.6%	10,036	10,229	194	1.9%
30.9%	9,552	10,007	454	4.8%
32.1%	9,299	9,826	527	5.7%
33.3%	9,092	9,671	578	6.4%
34.6%	9,069	9,636	567	6.3%
35.8%	9,030	9,334	304	3.4%
37.0%	8,987	9,314	327	3.6%
38.3%	8,840	9,153	313	3.5%
39.5%	8,792	9,087	295	3.4%
40.7%	8,307	8,912	605	7.3%
42.0%	8,254	8,801	547	6.6%
43.2%	8,201	8,755	554	6.8%
44.4%	8,112	8,516	403	5.0%
45.7%	8,060	8,293	233	2.9%
46.9%	7,975	8,231	256	3.2%
48.1%	7,958	8,128	170	2.1%
49.4%	7,777	7,939	162	2.1%
50.6%	7,675	7,830	155	2.0%
51.9%	7,578	7,725	147	1.9%
53.1%	7,548	7,648	101	1.3%
54.3%	7,510	7,539	29	0.4%
55.6%	7,421	7,536	115	1.6%
56.8%	7,402	7,525	123	1.7%
58.0%	7,259	7,472	213	2.9%
59.3%	7,050	7,423	373	5.3%
60.5%	6,893	7,326	433	6.3%
61.7%	6,811	7,293	482	7.1%
63.0%	6,800	7,165	365	5.4%
64.2%	6,706	7,054	348	5.2%
65.4%	6,692	6,829	138	2.1%
66.7%	6,673	6,708	35	0.5%
67.9%	6,666	6,676	10	0.1%
69.1%	6,647	6,442	-205	-3.1%
70.4%	6,502	6,399	-102	-1.6%
71.6%	6,424	6,130	-294	-4.6%
72.8%	6,229	6,088	-141	-2.3%
74.1%	6,075	6,074	-1	0.0%
75.3%	5,938	5,974	36	0.6%
76.5%	5,531	5,917	386	7.0%
77.8%	5,481	5,858	377	6.9%
79.0%	5,472	5,501	30	0.5%
80.2%	5,452	5,501	49	0.9%
81.5%	5,436	5,453	17	0.3%
82.7%	5,301	5,434	133	2.5%
84.0%	5,241	5,111	-131	-2.5%
85.2%	5,146	4,978	-169	-3.3%
86.4%	5,117	4,909	-208	-4.1%
87.7%	5,098	4,906	-192	-3.8%
88.9%	5,059	4,791	-268	-5.3%
90.1%	4,833	4,714	-119	-2.5%
91.4%	4,612	4,533	-79	-1.7%
92.6%	4,485	4,114	-371	-8.3%
93.8%	4,473	4,068	-404	-9.0%
95.1%	4,124	4,033	-90	-2.2%
96.3%	3,972	4,032	60	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,641	48,734	92	0.2%
1.2%	47,931	46,424	-1,508	-3.1%
2.5%	38,663	39,912	1,248	3.2%
3.7%	38,506	37,469	-1,037	-2.7%
4.9%	37,913	35,777	-2,136	-5.6%
6.2%	37,864	35,092	-2,772	-7.3%
7.4%	34,005	32,322	-1,683	-5.0%
8.6%	33,136	29,312	-3,824	-11.5%
9.9%	28,160	26,905	-1,254	-4.5%
11.1%	26,314	25,378	-937	-3.6%
12.3%	25,784	24,426	-1,358	-5.3%
13.6%	24,405	23,911	-494	-2.0%
14.8%	23,956	23,268	-688	-2.9%
16.0%	23,915	22,969	-946	-4.0%
17.3%	21,577	22,511	933	4.3%
18.5%	20,868	20,105	-764	-3.7%
19.8%	19,202	19,432	230	1.2%
21.0%	18,407	17,237	-1,170	-6.4%
22.2%	16,615	15,939	-675	-4.1%
23.5%	15,998	15,143	-855	-5.3%
24.7%	15,793	14,564	-1,230	-7.8%
25.9%	15,219	13,057	-2,162	-14.2%
27.2%	13,350	12,558	-793	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,671	-1,564	-11.8%
30.9%	11,515	11,489	-26	-0.2%
32.1%	11,490	10,798	-692	-6.0%
33.3%	11,054	9,952	-1,102	-10.0%
34.6%	10,790	9,788	-1,002	-9.3%
35.8%	10,789	9,670	-1,119	-10.4%
37.0%	10,255	9,340	-914	-8.9%
38.3%	10,055	9,175	-880	-8.8%
39.5%	9,955	9,059	-896	-9.0%
40.7%	9,915	8,890	-1,024	-10.3%
42.0%	9,694	8,379	-1,315	-13.6%
43.2%	9,662	8,362	-1,299	-13.4%
44.4%	8,583	8,217	-366	-4.3%
45.7%	8,410	8,121	-289	-3.4%
46.9%	8,332	8,082	-250	-3.0%
48.1%	8,156	7,967	-189	-2.3%
49.4%	8,048	7,934	-114	-1.4%
50.6%	7,822	7,859	38	0.5%
51.9%	7,705	7,791	85	1.1%
53.1%	7,385	7,674	289	3.9%
54.3%	7,310	7,591	282	3.9%
55.6%	7,245	7,510	265	3.7%
56.8%	7,010	7,489	479	6.8%
58.0%	6,915	7,222	307	4.4%
59.3%	6,892	7,210	318	4.6%
60.5%	6,707	7,202	495	7.4%
61.7%	6,585	7,185	601	9.1%
63.0%	6,556	7,056	500	7.6%
64.2%	6,549	7,018	469	7.2%
65.4%	6,524	6,948	424	6.5%
66.7%	6,299	6,939	640	10.2%
67.9%	6,243	6,889	647	10.4%
69.1%	6,124	6,855	732	11.9%
70.4%	5,923	6,712	789	13.3%
71.6%	5,788	6,692	904	15.6%
72.8%	5,733	6,650	918	16.0%
74.1%	5,725	6,576	850	14.9%
75.3%	5,714	6,521	808	14.1%
76.5%	5,688	6,434	746	13.1%
77.8%	5,677	6,303	626	11.0%
79.0%	5,605	6,248	642	11.5%
80.2%	5,523	6,195	672	12.2%
81.5%	5,508	6,191	683	12.4%
82.7%	5,482	6,032	549	10.0%
84.0%	5,453	5,986	533	9.8%
85.2%	5,427	5,520	93	1.7%
86.4%	5,169	5,515	345	6.7%
87.7%	5,124	5,460	335	6.5%
88.9%	4,976	5,451	475	9.5%
90.1%	4,902	5,429	527	10.7%
91.4%	4,876	5,220	345	7.1%
92.6%	4,832	5,155	323	6.7%
93.8%	4,759	4,903	144	3.0%
95.1%	4,735	4,709	-25	-0.5%
96.3%	4,710	4,616	-94	-2.0%
97.5%	4,337	4,338	1	0.0%
98.8%	4,104	4,241	136	3.3%
100.0%	3,960	4,101	142	3.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,516	85,295	-2,221	-2.5%
1.2%	64,102	64,104	2	0.0%
2.5%	57,934	55,496	-2,438	-4.2%
3.7%	57,903	55,485	-2,418	-4.2%
4.9%	48,361	49,729	1,368	2.8%
6.2%	48,061	45,213	-2,849	-5.9%
7.4%	44,076	44,838	762	1.7%
8.6%	42,936	41,635	-1,301	-3.0%
9.9%	36,581	34,588	-1,993	-5.4%
11.1%	34,591	34,146	-445	-1.3%
12.3%	32,482	29,806	-2,676	-8.2%
13.6%	31,053	29,255	-1,798	-5.8%
14.8%	30,594	27,884	-2,710	-8.9%
16.0%	30,309	27,010	-3,299	-10.9%
17.3%	29,006	25,408	-3,599	-12.4%
18.5%	26,574	24,134	-2,441	-9.2%
19.8%	25,789	23,996	-1,793	-7.0%
21.0%	25,406	23,362	-2,044	-8.0%
22.2%	24,573	23,200	-1,372	-5.6%
23.5%	23,536	21,083	-2,453	-10.4%
24.7%	21,878	20,305	-1,573	-7.2%
25.9%	21,077	18,775	-2,302	-10.9%
27.2%	20,003	17,548	-2,455	-12.3%
28.4%	18,966	16,538	-2,427	-12.8%
29.6%	17,868	15,438	-2,429	-13.6%
30.9%	17,226	15,343	-1,883	-10.9%
32.1%	17,077	14,642	-2,436	-14.3%
33.3%	16,880	14,449	-2,432	-14.4%
34.6%	16,321	14,157	-2,164	-13.3%
35.8%	14,718	14,012	-706	-4.8%
37.0%	14,686	13,897	-789	-5.4%
38.3%	14,595	12,287	-2,308	-15.8%
39.5%	14,012	12,240	-1,771	-12.6%
40.7%	13,333	11,594	-1,739	-13.0%
42.0%	12,991	10,907	-2,084	-16.0%
43.2%	12,453	10,858	-1,596	-12.8%
44.4%	12,407	10,763	-1,644	-13.3%
45.7%	12,239	10,713	-1,526	-12.5%
46.9%	12,092	10,560	-1,533	-12.7%
48.1%	11,578	10,556	-1,022	-8.8%
49.4%	11,171	10,158	-1,013	-9.1%
50.6%	11,067	9,765	-1,302	-11.8%
51.9%	10,102	9,216	-886	-8.8%
53.1%	9,741	8,903	-838	-8.6%
54.3%	9,687	8,745	-942	-9.7%
55.6%	9,536	8,583	-953	-10.0%
56.8%	9,420	8,236	-1,184	-12.6%
58.0%	9,103	8,093	-1,010	-11.1%
59.3%	8,901	7,833	-1,068	-12.0%
60.5%	8,602	7,782	-820	-9.5%
61.7%	8,447	7,689	-758	-9.0%
63.0%	8,446	7,648	-798	-9.4%
64.2%	8,439	7,549	-890	-10.5%
65.4%	8,125	7,532	-593	-7.3%
66.7%	7,573	7,516	-57	-0.7%
67.9%	7,551	7,421	-131	-1.7%
69.1%	7,494	7,291	-203	-2.7%
70.4%	7,254	7,168	-85	-1.2%
71.6%	6,908	7,105	196	2.8%
72.8%	6,879	7,011	132	1.9%
74.1%	6,837	6,908	72	1.0%
75.3%	6,672	6,825	153	2.3%
76.5%	6,650	6,815	165	2.5%
77.8%	6,608	6,610	1	0.0%
79.0%	6,599	6,594	-6	-0.1%
80.2%	6,569	6,530	-39	-0.6%
81.5%	6,414	6,521	107	1.7%
82.7%	6,327	6,515	188	3.0%
84.0%	6,315	6,400	85	1.3%
85.2%	6,198	6,358	160	2.6%
86.4%	5,993	6,318	325	5.4%
87.7%	5,943	6,265	322	5.4%
88.9%	5,683	6,206	523	9.2%
90.1%	5,548	6,199	651	11.7%
91.4%	5,510	6,069	559	10.1%
92.6%	5,448	5,990	542	10.0%
93.8%	5,334	5,943	609	11.4%
95.1%	5,253	5,688	434	8.3%
96.3%	5,222	5,547	324	6.2%
97.5%	4,920	5,538	618	12.6%
98.8%	4,837	5,219	382	7.9%
100.0%	4,817	4,134	-683	-14.2%

Table SW-13-3b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	81,546	-6	0.0%
1.2%	73,485	76,215	2,730	3.7%
2.5%	72,391	72,405	14	0.0%
3.7%	60,933	60,931	-2	0.0%
4.9%	52,482	51,407	-1,075	-2.0%
6.2%	51,691	51,372	-319	-0.6%
7.4%	50,703	51,303	600	1.2%
8.6%	49,105	47,908	-1,197	-2.4%
9.9%	47,905	47,007	-897	-1.9%
11.1%	47,013	46,595	-418	-0.9%
12.3%	45,694	44,819	-875	-1.9%
13.6%	45,216	44,264	-952	-2.1%
14.8%	41,866	39,313	-2,553	-6.1%
16.0%	36,677	36,676	-2	0.0%
17.3%	35,814	35,815	1	0.0%
18.5%	34,797	33,374	-1,423	-4.1%
19.8%	33,370	32,248	-1,123	-3.4%
21.0%	31,814	29,264	-2,550	-8.0%
22.2%	30,294	27,727	-2,567	-8.5%
23.5%	27,993	27,275	-718	-2.6%
24.7%	27,313	25,133	-2,179	-8.0%
25.9%	27,275	24,747	-2,528	-9.3%
27.2%	23,060	22,972	-88	-0.4%
28.4%	22,970	22,864	-106	-0.5%
29.6%	22,484	21,528	-956	-4.3%
30.9%	20,577	18,905	-1,672	-8.1%
32.1%	20,100	17,205	-2,896	-14.4%
33.3%	19,797	16,455	-3,342	-16.9%
34.6%	19,268	15,823	-3,444	-17.9%
35.8%	18,274	15,576	-2,699	-14.8%
37.0%	18,143	15,243	-2,900	-16.0%
38.3%	17,150	14,599	-2,552	-14.9%
39.5%	16,001	14,322	-1,679	-10.5%
40.7%	15,749	14,079	-1,670	-10.6%
42.0%	15,566	13,002	-2,564	-16.5%
43.2%	15,523	12,954	-2,569	-16.6%
44.4%	15,031	12,950	-2,081	-13.8%
45.7%	13,375	12,473	-902	-6.7%
46.9%	13,220	12,037	-1,183	-8.9%
48.1%	12,935	11,378	-1,557	-12.0%
49.4%	12,840	11,146	-1,694	-13.2%
50.6%	12,035	10,824	-1,211	-10.1%
51.9%	11,796	10,649	-1,147	-9.7%
53.1%	11,744	10,329	-1,415	-12.0%
54.3%	11,091	10,261	-830	-7.5%
55.6%	10,974	9,919	-1,055	-9.6%
56.8%	10,876	9,859	-1,017	-9.4%
58.0%	10,677	9,227	-1,450	-13.6%
59.3%	10,457	9,080	-1,377	-13.2%
60.5%	10,351	9,041	-1,310	-12.7%
61.7%	9,907	9,026	-881	-8.9%
63.0%	9,828	8,696	-1,132	-11.5%
64.2%	9,781	8,627	-1,154	-11.8%
65.4%	9,468	8,405	-1,063	-11.2%
66.7%	8,995	8,147	-848	-9.4%
67.9%	8,975	7,852	-1,122	-12.5%
69.1%	8,795	7,727	-1,068	-12.1%
70.4%	8,775	7,621	-1,154	-13.1%
71.6%	8,735	7,596	-1,139	-13.0%
72.8%	8,447	7,441	-1,006	-11.9%
74.1%	8,189	7,406	-783	-9.6%
75.3%	8,138	7,386	-752	-9.2%
76.5%	7,786	7,334	-452	-5.8%
77.8%	7,742	7,323	-419	-5.4%
79.0%	7,741	7,159	-582	-7.5%
80.2%	7,700	7,147	-553	-7.2%
81.5%	7,349	7,072	-277	-3.8%
82.7%	7,188	7,070	-118	-1.6%
84.0%	6,765	6,814	49	0.7%
85.2%	6,329	6,653	324	5.1%
86.4%	6,269	6,464	195	3.1%
87.7%	6,039	6,392	353	5.8%
88.9%	5,968	6,249	281	4.7%
90.1%	5,818	6,013	195	3.4%
91.4%	5,602	5,966	364	6.5%
92.6%	5,573	5,630	58	1.0%
93.8%	5,558	5,604	46	0.8%
95.1%	5,510	5,558	48	0.9%
96.3%	5,289	5,290	1	0.0%
97.5%	4,975	5,168	192	3.9%
98.8%	4,894	4,792	-102	-2.1%
100.0%	4,773	4,602	-170	-3.6%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,963	1	0.0%
1.2%	76,606	72,701	-3,905	-5.1%
2.5%	59,064	59,072	8	0.0%
3.7%	53,953	53,942	-10	0.0%
4.9%	52,087	52,088	1	0.0%
6.2%	44,292	41,009	-3,283	-7.4%
7.4%	37,412	33,479	-3,933	-10.5%
8.6%	36,276	33,133	-3,143	-8.7%
9.9%	33,130	32,357	-773	-2.3%
11.1%	30,981	29,604	-1,377	-4.4%
12.3%	29,603	27,070	-2,532	-8.6%
13.6%	26,653	26,934	281	1.1%
14.8%	24,221	24,217	-4	0.0%
16.0%	24,215	23,582	-633	-2.6%
17.3%	22,756	22,558	-198	-0.9%
18.5%	22,699	22,395	-303	-1.3%
19.8%	22,558	22,334	-223	-1.0%
21.0%	22,393	21,187	-1,206	-5.4%
22.2%	21,243	20,627	-617	-2.9%
23.5%	20,945	20,605	-340	-1.6%
24.7%	20,604	19,226	-1,378	-6.7%
25.9%	19,929	17,194	-2,735	-13.7%
27.2%	18,519	15,479	-3,040	-16.4%
28.4%	17,441	15,183	-2,258	-12.9%
29.6%	17,384	14,853	-2,531	-14.6%
30.9%	17,191	14,611	-2,580	-15.0%
32.1%	16,128	14,573	-1,555	-9.6%
33.3%	15,708	14,315	-1,393	-8.9%
34.6%	15,322	13,808	-1,514	-9.9%
35.8%	15,177	13,073	-2,103	-13.9%
37.0%	14,154	12,304	-1,850	-13.1%
38.3%	13,811	11,858	-1,953	-14.1%
39.5%	13,444	11,797	-1,647	-12.2%
40.7%	12,987	10,747	-2,240	-17.2%
42.0%	12,302	10,488	-1,814	-14.7%
43.2%	12,206	10,244	-1,962	-16.1%
44.4%	12,124	9,963	-2,161	-17.8%
45.7%	11,686	9,802	-1,884	-16.1%
46.9%	11,555	9,413	-2,142	-18.5%
48.1%	11,428	9,212	-2,216	-19.4%
49.4%	11,398	9,169	-2,228	-19.6%
50.6%	11,188	9,012	-2,176	-19.4%
51.9%	10,627	8,898	-1,728	-16.3%
53.1%	10,509	8,831	-1,679	-16.0%
54.3%	10,481	8,387	-2,094	-20.0%
55.6%	10,182	8,360	-1,823	-17.9%
56.8%	9,911	8,294	-1,617	-16.3%
58.0%	9,800	8,238	-1,561	-15.9%
59.3%	9,794	8,105	-1,688	-17.2%
60.5%	9,707	7,672	-2,035	-21.0%
61.7%	9,324	7,644	-1,680	-18.0%
63.0%	9,306	7,006	-2,300	-24.7%
64.2%	9,011	6,836	-2,174	-24.1%
65.4%	8,943	6,807	-2,136	-23.9%
66.7%	8,936	6,803	-2,133	-23.9%
67.9%	8,896	6,720	-2,176	-24.5%
69.1%	8,833	6,717	-2,116	-24.0%
70.4%	8,703	6,703	-2,000	-23.0%
71.6%	8,385	6,668	-1,717	-20.5%
72.8%	8,353	6,625	-1,728	-20.7%
74.1%	8,024	6,588	-1,436	-17.9%
75.3%	7,987	6,480	-1,507	-18.9%
76.5%	7,810	6,401	-1,409	-18.0%
77.8%	7,768	6,393	-1,375	-17.7%
79.0%	7,359	6,272	-1,086	-14.8%
80.2%	7,096	6,174	-922	-13.0%
81.5%	6,802	6,020	-782	-11.5%
82.7%	6,709	5,960	-748	-11.2%
84.0%	6,665	5,960	-705	-10.6%
85.2%	6,622	5,890	-731	-11.0%
86.4%	6,590	5,661	-928	-14.1%
87.7%	6,490	5,504	-986	-15.2%
88.9%	6,400	5,480	-920	-14.4%
90.1%	5,898	5,417	-481	-8.1%
91.4%	5,830	5,320	-510	-8.8%
92.6%	5,468	5,229	-239	-4.4%
93.8%	5,428	5,172	-256	-4.7%
95.1%	5,234	5,157	-76	-1.5%
96.3%	5,191	5,060	-131	-2.5%
97.5%	5,175	4,608	-568	-11.0%
98.8%	5,065	4,533	-532	-10.5%
100.0%	4,620	4,226	-395	-8.5%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	44,242	3	0.0%
1.2%	36,674	36,676	2	0.0%
2.5%	27,314	27,316	1	0.0%
3.7%	25,194	25,195	1	0.0%
4.9%	25,007	25,007	0	0.0%
6.2%	23,846	23,843	-3	0.0%
7.4%	19,529	19,528	-1	0.0%
8.6%	19,343	19,343	0	0.0%
9.9%	18,754	18,758	4	0.0%
11.1%	18,235	18,237	2	0.0%
12.3%	17,795	17,077	-718	-4.0%
13.6%	17,076	16,120	-956	-5.6%
14.8%	16,115	15,305	-811	-5.0%
16.0%	15,551	14,913	-638	-4.1%
17.3%	15,481	14,016	-1,465	-9.5%
18.5%	15,306	13,639	-1,666	-10.9%
19.8%	15,135	13,109	-2,027	-13.4%
21.0%	14,991	12,662	-2,330	-15.5%
22.2%	13,107	11,888	-1,219	-9.3%
23.5%	12,660	11,138	-1,522	-12.0%
24.7%	11,600	9,826	-1,774	-15.3%
25.9%	10,957	8,828	-2,129	-19.4%
27.2%	9,279	8,767	-512	-5.5%
28.4%	9,094	8,739	-354	-3.9%
29.6%	8,897	8,734	-163	-1.8%
30.9%	8,837	8,709	-128	-1.4%
32.1%	8,742	8,653	-90	-1.0%
33.3%	8,619	8,641	22	0.3%
34.6%	8,552	8,441	-111	-1.3%
35.8%	8,381	8,309	-72	-0.9%
37.0%	8,341	8,068	-273	-3.3%
38.3%	8,197	7,848	-349	-4.3%
39.5%	8,079	7,799	-280	-3.5%
40.7%	7,763	7,528	-234	-3.0%
42.0%	7,693	7,500	-193	-2.5%
43.2%	7,557	7,445	-112	-1.5%
44.4%	7,460	7,238	-221	-3.0%
45.7%	7,366	7,063	-303	-4.1%
46.9%	7,334	7,000	-334	-4.6%
48.1%	7,155	6,975	-181	-2.5%
49.4%	7,143	6,968	-175	-2.4%
50.6%	7,058	6,618	-440	-6.2%
51.9%	7,029	6,557	-472	-6.7%
53.1%	6,897	6,476	-421	-6.1%
54.3%	6,874	6,400	-474	-6.9%
55.6%	6,858	6,397	-461	-6.7%
56.8%	6,779	6,390	-389	-5.7%
58.0%	6,710	6,378	-332	-4.9%
59.3%	6,696	6,361	-335	-5.0%
60.5%	6,664	6,246	-418	-6.3%
61.7%	6,639	6,224	-415	-6.3%
63.0%	6,532	6,180	-352	-5.4%
64.2%	6,524	6,178	-346	-5.3%
65.4%	6,505	6,069	-436	-6.7%
66.7%	6,392	6,021	-371	-5.8%
67.9%	6,314	5,962	-352	-5.6%
69.1%	6,308	5,809	-499	-7.9%
70.4%	6,165	5,695	-470	-7.6%
71.6%	6,133	5,644	-490	-8.0%
72.8%	6,027	5,627	-400	-6.6%
74.1%	6,020	5,622	-398	-6.6%
75.3%	5,971	5,613	-358	-6.0%
76.5%	5,968	5,405	-562	-9.4%
77.8%	5,845	5,302	-544	-9.3%
79.0%	5,750	5,177	-573	-10.0%
80.2%	5,736	5,148	-588	-10.3%
81.5%	5,727	5,108	-619	-10.8%
82.7%	5,677	4,989	-688	-12.1%
84.0%	5,628	4,951	-678	-12.0%
85.2%	5,625	4,850	-775	-13.8%
86.4%	5,617	4,849	-768	-13.7%
87.7%	5,586	4,819	-768	-13.7%
88.9%	5,549	4,815	-735	-13.2%
90.1%	5,538	4,772	-766	-13.8%
91.4%	5,297	4,713	-584	-11.0%
92.6%	5,294	4,548	-746	-14.1%
93.8%	5,277	4,480	-797	-15.1%
95.1%	5,173	4,407	-766	-14.8%
96.3%	4,827	4,378	-449	-9.3%
97.5%	4,723	4,364	-360	-7.6%
98.8%	4,544	4,310	-234	-5.1%
100.0%	4,481	4,082	-399	-8.9%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,922	24,924	2	0.0%
1.2%	19,421	19,333	-88	-0.5%
2.5%	19,182	19,185	2	0.0%
3.7%	18,455	18,455	0	0.0%
4.9%	18,395	18,308	-87	-0.5%
6.2%	17,484	17,395	-89	-0.5%
7.4%	14,634	14,786	153	1.0%
8.6%	14,601	14,439	-162	-1.1%
9.9%	14,416	14,344	-72	-0.5%
11.1%	13,794	12,719	-1,075	-7.8%
12.3%	12,718	12,493	-225	-1.8%
13.6%	12,492	12,254	-239	-1.9%
14.8%	12,343	11,770	-572	-4.6%
16.0%	11,860	11,640	-220	-1.9%
17.3%	11,640	10,346	-1,294	-11.1%
18.5%	11,132	10,140	-991	-8.9%
19.8%	10,681	9,803	-878	-8.2%
21.0%	10,627	9,696	-930	-8.8%
22.2%	9,718	9,528	-190	-2.0%
23.5%	9,562	9,490	-72	-0.8%
24.7%	9,525	8,838	-687	-7.2%
25.9%	9,023	8,734	-289	-3.2%
27.2%	8,534	8,698	165	1.9%
28.4%	8,488	8,697	209	2.5%
29.6%	8,476	8,264	-212	-2.5%
30.9%	8,264	8,181	-83	-1.0%
32.1%	8,222	8,098	-124	-1.5%
33.3%	8,193	8,012	-181	-2.2%
34.6%	8,154	7,781	-372	-4.6%
35.8%	8,096	7,603	-493	-6.1%
37.0%	7,860	7,514	-346	-4.4%
38.3%	7,766	7,484	-283	-3.6%
39.5%	7,723	7,452	-271	-3.5%
40.7%	7,714	7,414	-300	-3.9%
42.0%	7,655	7,269	-386	-5.0%
43.2%	7,650	7,239	-411	-5.4%
44.4%	7,562	7,205	-357	-4.7%
45.7%	7,459	7,172	-286	-3.8%
46.9%	7,236	7,158	-79	-1.1%
48.1%	7,220	7,135	-85	-1.2%
49.4%	7,218	7,075	-142	-2.0%
50.6%	7,168	7,041	-127	-1.8%
51.9%	7,072	7,031	-41	-0.6%
53.1%	7,039	6,963	-76	-1.1%
54.3%	7,038	6,911	-126	-1.8%
55.6%	6,948	6,884	-64	-0.9%
56.8%	6,868	6,869	0	0.0%
58.0%	6,778	6,853	75	1.1%
59.3%	6,741	6,776	35	0.5%
60.5%	6,662	6,737	75	1.1%
61.7%	6,588	6,732	144	2.2%
63.0%	6,512	6,677	165	2.5%
64.2%	6,495	6,631	137	2.1%
65.4%	6,389	6,626	237	3.7%
66.7%	6,343	6,571	227	3.6%
67.9%	6,326	6,553	227	3.6%
69.1%	6,228	6,520	292	4.7%
70.4%	6,187	6,495	309	5.0%
71.6%	6,180	6,441	261	4.2%
72.8%	6,178	6,438	260	4.2%
74.1%	6,153	6,424	271	4.4%
75.3%	6,119	6,393	274	4.5%
76.5%	6,110	6,261	151	2.5%
77.8%	6,108	6,228	121	2.0%
79.0%	6,083	6,216	133	2.2%
80.2%	6,060	6,124	64	1.1%
81.5%	5,999	6,080	81	1.4%
82.7%	5,953	6,074	121	2.0%
84.0%	5,947	6,033	86	1.4%
85.2%	5,884	6,004	120	2.0%
86.4%	5,864	5,931	67	1.1%
87.7%	5,839	5,837	-2	0.0%
88.9%	5,835	5,799	-37	-0.6%
90.1%	5,801	5,574	-228	-3.9%
91.4%	5,799	5,505	-294	-5.1%
92.6%	5,753	5,223	-530	-9.2%
93.8%	5,718	5,142	-576	-10.1%
95.1%	5,580	4,998	-582	-10.4%
96.3%	5,546	4,810	-736	-13.3%
97.5%	5,455	4,576	-879	-16.1%
98.8%	5,232	4,523	-709	-13.6%
100.0%	5,112	4,131	-981	-19.2%

Table SW-13-3b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,863	625	2.7%
1.2%	15,154	15,816	663	4.4%
2.5%	12,310	13,588	1,279	10.4%
3.7%	12,186	13,440	1,253	10.3%
4.9%	11,855	12,726	871	7.3%
6.2%	11,585	11,881	296	2.6%
7.4%	11,085	11,655	569	5.1%
8.6%	11,039	11,556	517	4.7%
9.9%	10,316	11,335	1,019	9.9%
11.1%	10,131	11,099	968	9.6%
12.3%	9,854	10,977	1,123	11.4%
13.6%	9,691	10,709	1,018	10.5%
14.8%	9,631	10,624	993	10.3%
16.0%	9,611	10,452	841	8.8%
17.3%	9,443	10,444	1,001	10.6%
18.5%	9,315	10,329	1,014	10.9%
19.8%	9,305	10,201	896	9.6%
21.0%	9,256	10,141	885	9.6%
22.2%	9,236	10,061	825	8.9%
23.5%	9,193	10,013	820	8.9%
24.7%	9,141	9,962	821	9.0%
25.9%	9,119	9,821	703	7.7%
27.2%	9,036	9,783	746	8.3%
28.4%	8,985	9,652	667	7.4%
29.6%	8,978	9,619	641	7.1%
30.9%	8,938	9,549	611	6.8%
32.1%	8,921	9,530	608	6.8%
33.3%	8,823	9,435	612	6.9%
34.6%	8,806	9,379	573	6.5%
35.8%	8,743	9,280	537	6.1%
37.0%	8,706	9,275	569	6.5%
38.3%	8,664	9,272	608	7.0%
39.5%	8,555	9,219	664	7.8%
40.7%	8,504	9,188	685	8.1%
42.0%	8,418	9,166	748	8.9%
43.2%	8,378	9,110	732	8.7%
44.4%	8,375	9,081	706	8.4%
45.7%	8,329	9,070	741	8.9%
46.9%	8,232	9,021	789	9.6%
48.1%	8,201	9,020	818	10.0%
49.4%	8,192	9,019	827	10.1%
50.6%	8,167	8,963	796	9.7%
51.9%	8,162	8,962	800	9.8%
53.1%	8,129	8,914	785	9.7%
54.3%	8,090	8,913	824	10.2%
55.6%	8,087	8,842	755	9.3%
56.8%	8,067	8,812	745	9.2%
58.0%	8,067	8,780	713	8.8%
59.3%	8,040	8,769	729	9.1%
60.5%	8,031	8,738	708	8.8%
61.7%	8,027	8,692	665	8.3%
63.0%	8,004	8,640	636	7.9%
64.2%	7,923	8,564	641	8.1%
65.4%	7,864	8,562	698	8.9%
66.7%	7,848	8,556	708	9.0%
67.9%	7,840	8,539	698	8.9%
69.1%	7,829	8,422	594	7.6%
70.4%	7,759	8,413	654	8.4%
71.6%	7,740	8,413	673	8.7%
72.8%	7,670	8,402	732	9.5%
74.1%	7,581	8,331	750	9.9%
75.3%	7,421	8,322	901	12.1%
76.5%	7,395	8,304	908	12.3%
77.8%	7,329	8,243	914	12.5%
79.0%	7,304	8,226	922	12.6%
80.2%	7,265	8,209	944	13.0%
81.5%	7,261	8,103	842	11.6%
82.7%	7,235	8,037	802	11.1%
84.0%	7,223	7,998	774	10.7%
85.2%	7,186	7,973	787	10.9%
86.4%	7,185	7,863	677	9.4%
87.7%	7,118	7,851	733	10.3%
88.9%	7,090	7,831	742	10.5%
90.1%	7,067	7,797	730	10.3%
91.4%	6,982	7,631	649	9.3%
92.6%	6,939	7,555	617	8.9%
93.8%	6,935	7,545	610	8.8%
95.1%	6,879	7,433	554	8.1%
96.3%	6,608	7,253	646	9.8%
97.5%	6,022	7,133	1,110	18.4%
98.8%	5,932	7,035	1,103	18.6%
100.0%	5,783	6,018	235	4.1%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,651	1,211	9.0%
1.2%	13,350	14,437	1,086	8.1%
2.5%	12,902	14,205	1,303	10.1%
3.7%	12,551	14,129	1,578	12.6%
4.9%	12,194	14,099	1,905	15.6%
6.2%	11,959	13,991	2,032	17.0%
7.4%	11,917	13,725	1,808	15.2%
8.6%	11,821	13,657	1,836	15.5%
9.9%	11,811	13,656	1,844	15.6%
11.1%	11,760	13,516	1,756	14.9%
12.3%	11,714	13,468	1,754	15.0%
13.6%	11,688	13,383	1,695	14.5%
14.8%	11,680	13,375	1,695	14.5%
16.0%	11,624	13,371	1,747	15.0%
17.3%	11,565	13,278	1,713	14.8%
18.5%	11,526	13,231	1,705	14.8%
19.8%	11,421	13,223	1,802	15.8%
21.0%	11,377	13,222	1,845	16.2%
22.2%	11,367	13,094	1,727	15.2%
23.5%	11,230	13,026	1,796	16.0%
24.7%	11,220	12,896	1,677	14.9%
25.9%	11,215	12,604	1,389	12.4%
27.2%	11,141	12,404	1,263	11.3%
28.4%	11,096	12,365	1,269	11.4%
29.6%	11,079	12,286	1,207	10.9%
30.9%	11,012	12,284	1,272	11.6%
32.1%	10,976	12,220	1,244	11.3%
33.3%	10,956	12,175	1,220	11.1%
34.6%	10,954	12,081	1,127	10.3%
35.8%	10,935	11,813	878	8.0%
37.0%	10,904	11,761	858	7.9%
38.3%	10,837	11,685	848	7.8%
39.5%	10,730	11,662	931	8.7%
40.7%	10,676	11,580	904	8.5%
42.0%	10,482	11,547	1,065	10.2%
43.2%	10,464	11,418	954	9.1%
44.4%	10,405	11,351	946	9.1%
45.7%	10,228	11,244	1,017	9.9%
46.9%	10,223	11,086	863	8.4%
48.1%	10,220	11,034	813	8.0%
49.4%	9,816	10,990	1,174	12.0%
50.6%	9,644	10,870	1,226	12.7%
51.9%	9,551	10,844	1,293	13.5%
53.1%	9,518	10,820	1,303	13.7%
54.3%	9,509	10,777	1,268	13.3%
55.6%	9,507	10,760	1,253	13.2%
56.8%	9,494	10,752	1,258	13.3%
58.0%	9,397	10,721	1,324	14.1%
59.3%	9,243	10,697	1,455	15.7%
60.5%	9,205	10,571	1,366	14.8%
61.7%	9,155	10,525	1,369	15.0%
63.0%	9,154	10,515	1,361	14.9%
64.2%	9,054	10,489	1,435	15.8%
65.4%	9,038	10,411	1,374	15.2%
66.7%	9,037	10,373	1,336	14.8%
67.9%	9,014	10,310	1,296	14.4%
69.1%	8,987	10,172	1,185	13.2%
70.4%	8,923	10,164	1,241	13.9%
71.6%	8,778	10,151	1,373	15.6%
72.8%	8,715	10,058	1,343	15.4%
74.1%	8,696	9,810	1,114	12.8%
75.3%	8,688	9,784	1,097	12.6%
76.5%	8,621	9,634	1,013	11.7%
77.8%	8,618	9,594	976	11.3%
79.0%	8,559	9,569	1,009	11.8%
80.2%	8,520	9,498	978	11.5%
81.5%	8,515	9,363	848	10.0%
82.7%	8,484	9,298	813	9.6%
84.0%	8,291	9,268	977	11.8%
85.2%	8,283	9,256	974	11.8%
86.4%	8,233	8,974	742	9.0%
87.7%	7,939	8,870	932	11.7%
88.9%	7,842	8,819	977	12.5%
90.1%	7,754	8,683	928	12.0%
91.4%	7,668	8,566	898	11.7%
92.6%	7,599	8,391	793	10.4%
93.8%	7,567	8,236	669	8.8%
95.1%	7,554	8,227	673	8.9%
96.3%	7,553	8,153	600	7.9%
97.5%	7,406	8,064	659	8.9%
98.8%	7,215	7,813	598	8.3%
100.0%	6,416	7,761	1,344	21.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	11,661	-63	-0.5%
1.2%	11,660	11,378	-282	-2.4%
2.5%	11,581	11,026	-555	-4.8%
3.7%	11,021	10,656	-365	-3.3%
4.9%	11,011	10,582	-429	-3.9%
6.2%	10,576	10,574	-2	0.0%
7.4%	10,435	10,500	65	0.6%
8.6%	10,083	10,432	349	3.5%
9.9%	10,008	10,277	269	2.7%
11.1%	10,001	9,596	-406	-4.1%
12.3%	9,571	9,492	-79	-0.8%
13.6%	9,487	9,463	-24	-0.2%
14.8%	9,481	9,293	-188	-2.0%
16.0%	9,453	9,251	-202	-2.1%
17.3%	9,423	9,232	-191	-2.0%
18.5%	9,278	8,890	-388	-4.2%
19.8%	9,207	8,877	-330	-3.6%
21.0%	9,130	8,862	-268	-2.9%
22.2%	9,031	8,848	-183	-2.0%
23.5%	8,735	8,532	-204	-2.3%
24.7%	8,723	8,523	-200	-2.3%
25.9%	8,636	8,295	-341	-3.9%
27.2%	8,613	8,242	-371	-4.3%
28.4%	8,595	8,241	-354	-4.1%
29.6%	8,419	8,239	-180	-2.1%
30.9%	8,297	8,185	-112	-1.4%
32.1%	8,254	8,137	-117	-1.4%
33.3%	8,229	8,130	-100	-1.2%
34.6%	8,167	8,129	-37	-0.5%
35.8%	8,136	8,107	-29	-0.4%
37.0%	8,130	8,086	-44	-0.5%
38.3%	8,124	8,082	-43	-0.5%
39.5%	8,042	8,075	34	0.4%
40.7%	8,038	7,988	-50	-0.6%
42.0%	7,990	7,948	-42	-0.5%
43.2%	7,922	7,881	-40	-0.5%
44.4%	7,906	7,829	-77	-1.0%
45.7%	7,905	7,784	-121	-1.5%
46.9%	7,900	7,774	-126	-1.6%
48.1%	7,828	7,738	-90	-1.2%
49.4%	7,828	7,687	-141	-1.8%
50.6%	7,787	7,665	-122	-1.6%
51.9%	7,729	7,655	-74	-1.0%
53.1%	7,686	7,581	-106	-1.4%
54.3%	7,682	7,549	-133	-1.7%
55.6%	7,592	7,460	-132	-1.7%
56.8%	7,592	7,411	-181	-2.4%
58.0%	7,555	7,373	-183	-2.4%
59.3%	7,527	7,362	-165	-2.2%
60.5%	7,517	7,342	-175	-2.3%
61.7%	7,501	7,319	-181	-2.4%
63.0%	7,458	7,307	-151	-2.0%
64.2%	7,435	7,304	-130	-1.8%
65.4%	7,416	7,296	-120	-1.6%
66.7%	7,377	7,268	-109	-1.5%
67.9%	7,345	7,235	-109	-1.5%
69.1%	7,341	7,206	-134	-1.8%
70.4%	7,295	7,162	-133	-1.8%
71.6%	7,188	7,155	-33	-0.5%
72.8%	7,173	7,103	-70	-1.0%
74.1%	7,158	7,075	-84	-1.2%
75.3%	7,135	7,017	-118	-1.7%
76.5%	7,118	6,982	-136	-1.9%
77.8%	7,087	6,950	-137	-1.9%
79.0%	6,930	6,901	-28	-0.4%
80.2%	6,913	6,895	-18	-0.3%
81.5%	6,852	6,892	41	0.6%
82.7%	6,809	6,778	-30	-0.4%
84.0%	6,725	6,732	7	0.1%
85.2%	6,678	6,695	17	0.3%
86.4%	6,663	6,684	21	0.3%
87.7%	6,562	6,631	70	1.1%
88.9%	6,523	6,569	46	0.7%
90.1%	6,461	6,565	104	1.6%
91.4%	6,448	6,561	113	1.8%
92.6%	6,439	6,548	109	1.7%
93.8%	6,381	6,539	157	2.5%
95.1%	6,360	6,449	89	1.4%
96.3%	6,266	6,224	-41	-0.7%
97.5%	5,826	6,071	245	4.2%
98.8%	5,678	6,029	352	6.2%
100.0%	5,574	5,555	-19	-0.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,961	14,649	-1,312	-8.2%
1.2%	14,688	14,530	-158	-1.1%
2.5%	14,611	14,430	-181	-1.2%
3.7%	14,560	13,946	-614	-4.2%
4.9%	14,379	13,694	-685	-4.8%
6.2%	14,033	13,473	-560	-4.0%
7.4%	13,389	13,294	-95	-0.7%
8.6%	13,292	13,137	-155	-1.2%
9.9%	12,971	13,085	114	0.9%
11.1%	12,766	12,360	-406	-3.2%
12.3%	12,705	12,196	-509	-4.0%
13.6%	12,656	12,170	-486	-3.8%
14.8%	12,561	12,163	-397	-3.2%
16.0%	12,476	11,922	-554	-4.4%
17.3%	12,037	11,920	-117	-1.0%
18.5%	12,037	11,661	-376	-3.1%
19.8%	11,870	11,318	-552	-4.6%
21.0%	11,770	11,311	-459	-3.9%
22.2%	11,521	11,277	-245	-2.1%
23.5%	11,267	11,182	-84	-0.7%
24.7%	10,992	11,157	165	1.5%
25.9%	10,678	10,782	104	1.0%
27.2%	10,346	10,781	435	4.2%
28.4%	10,236	10,529	294	2.9%
29.6%	9,736	9,530	-206	-2.1%
30.9%	9,696	8,895	-801	-8.3%
32.1%	9,477	8,839	-638	-6.7%
33.3%	9,234	8,543	-691	-7.5%
34.6%	8,976	8,037	-939	-10.5%
35.8%	8,681	8,016	-665	-7.7%
37.0%	8,644	7,879	-765	-8.8%
38.3%	8,467	7,535	-932	-11.0%
39.5%	8,287	7,238	-1,050	-12.7%
40.7%	7,573	6,704	-869	-11.5%
42.0%	7,039	6,551	-488	-6.9%
43.2%	6,539	6,488	51	-0.8%
44.4%	6,531	6,417	-114	-1.7%
45.7%	6,514	6,322	-191	-2.9%
46.9%	6,502	6,260	-242	-3.7%
48.1%	6,456	6,234	-222	-3.4%
49.4%	6,418	6,069	-349	-5.4%
50.6%	6,197	5,972	-225	-3.6%
51.9%	6,141	5,902	-240	-3.9%
53.1%	6,129	5,880	-249	-4.1%
54.3%	5,991	5,788	-203	-3.4%
55.6%	5,887	5,783	-104	-1.8%
56.8%	5,832	5,761	-71	-1.2%
58.0%	5,743	5,750	7	0.1%
59.3%	5,710	5,747	37	0.6%
60.5%	5,673	5,708	35	0.6%
61.7%	5,590	5,604	14	0.3%
63.0%	5,489	5,514	24	0.4%
64.2%	5,483	5,483	0	0.0%
65.4%	5,479	5,448	-32	-0.6%
66.7%	5,479	5,402	-77	-1.4%
67.9%	5,465	5,393	-72	-1.3%
69.1%	5,462	5,373	-89	-1.6%
70.4%	5,407	5,321	-87	-1.6%
71.6%	5,327	5,307	-20	-0.4%
72.8%	5,253	5,304	52	1.0%
74.1%	5,228	5,296	68	1.3%
75.3%	5,162	5,188	26	0.5%
76.5%	5,046	5,137	91	1.8%
77.8%	4,982	5,094	112	2.2%
79.0%	4,963	5,069	106	2.1%
80.2%	4,961	5,042	81	1.6%
81.5%	4,948	4,997	49	1.0%
82.7%	4,869	4,928	60	1.2%
84.0%	4,832	4,854	23	0.5%
85.2%	4,728	4,814	86	1.8%
86.4%	4,682	4,771	89	1.9%
87.7%	4,610	4,726	116	2.5%
88.9%	4,434	4,655	220	5.0%
90.1%	4,377	4,555	179	4.1%
91.4%	4,351	4,473	123	2.8%
92.6%	4,045	4,343	299	7.4%
93.8%	4,041	4,290	248	6.1%
95.1%	3,977	4,084	108	2.7%
96.3%	3,964	4,038	74	1.9%
97.5%	3,909	4,027	118	3.0%
98.8%	3,886	4,012	126	3.2%
100.0%	3,843	4,005	162	4.2%

Table SW-14-3a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,234	8,862	14,547	21,245	25,498	19,959	11,661	8,385	7,862	8,770	7,277	8,066
Alternative A	7,157	9,542	14,058	19,582	23,946	18,313	11,399	8,441	8,237	10,314	7,988	8,915
Difference	923	680	-489	-1,664	-1,552	-1,646	-262	56	374	1,544	711	849
Percent Difference[3]	14.8%	7.7%	-3.4%	-7.8%	-6.1%	-8.2%	-2.2%	0.7%	4.8%	17.6%	9.8%	10.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,414	11,413	15,337	38,456	42,977	33,038	19,238	12,191	8,789	8,608	7,521	12,512
Alternative A	8,832	11,986	14,620	36,790	41,653	32,349	19,094	12,227	9,232	9,936	7,690	13,452
Difference	1,418	573	-718	-1,667	-1,324	-688	-144	36	443	1,328	169	940
Percent Difference	19.1%	5.0%	-4.7%	-4.3%	-3.1%	-2.1%	-0.7%	0.3%	5.0%	15.4%	2.2%	7.5%
Above Normal (15%)												
No Action Alternative	6,212	11,019	14,836	24,491	32,399	23,921	11,972	8,904	7,864	9,087	7,132	8,159
Alternative A	7,020	11,947	14,157	21,249	30,076	21,693	11,485	8,749	8,010	11,279	7,600	8,641
Difference	808	929	-679	-3,242	-2,323	-2,227	-487	-155	146	2,192	468	481
Percent Difference	13.0%	8.4%	-4.6%	-13.2%	-7.2%	-9.3%	-4.1%	-1.7%	1.9%	24.1%	6.6%	5.9%
Below Normal (17%)												
No Action Alternative	5,761	8,082	16,579	12,964	17,158	12,172	8,782	6,787	7,244	8,240	6,717	5,287
Alternative A	6,969	8,946	16,155	10,610	15,510	9,819	8,232	6,551	7,539	10,712	7,419	6,172
Difference	1,207	864	-424	-2,354	-1,647	-2,353	-549	-235	295	2,472	702	884
Percent Difference	21.0%	10.7%	-2.6%	-18.2%	-9.6%	-19.3%	-6.3%	-3.5%	4.1%	30.0%	10.4%	16.7%
Dry (22%)												
No Action Alternative	5,620	6,869	16,082	9,443	13,412	12,190	6,698	5,860	7,336	9,060	7,454	5,603
Alternative A	5,983	7,667	16,033	8,617	11,746	9,670	6,419	6,214	7,870	10,510	8,515	6,455
Difference	363	798	-50	-826	-1,666	-2,521	-279	354	534	1,450	1,060	852
Percent Difference	6.5%	11.6%	-0.3%	-8.7%	-12.4%	-20.7%	-4.2%	6.0%	7.3%	16.0%	14.2%	15.2%
Critical (15%)												
No Action Alternative	5,171	5,078	7,875	8,072	8,584	8,396	5,736	5,274	7,363	8,990	7,279	5,274
Alternative A	5,647	5,351	7,337	7,543	7,595	7,397	5,805	5,478	7,671	9,413	8,897	6,250
Difference	476	272	-539	-529	-989	-1,000	69	204	308	423	1,618	976
Percent Difference	9.2%	5.4%	-6.8%	-6.6%	-11.5%	-11.9%	1.2%	3.9%	4.2%	4.7%	22.2%	18.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-14-3b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

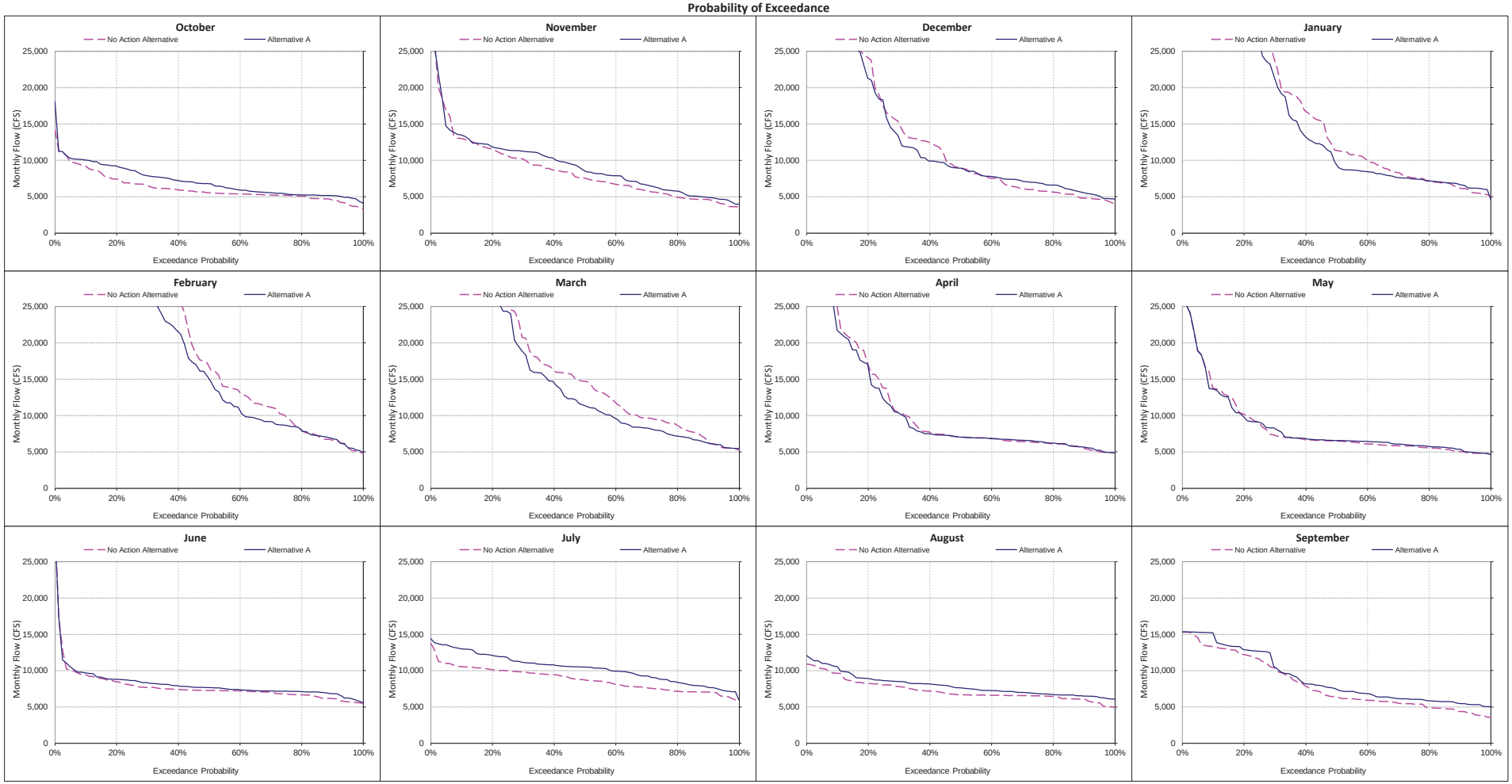

Table SW-14-3b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	18,090	3,888	27.4%
1.2%	11,267	11,251	-16	-0.1%
2.5%	11,029	11,195	166	1.5%
3.7%	10,674	10,632	-43	-0.4%
4.9%	9,728	10,301	572	5.9%
6.2%	9,703	10,176	473	4.9%
7.4%	9,515	10,166	651	6.8%
8.6%	9,336	10,128	792	8.5%
9.9%	9,236	10,049	812	8.8%
11.1%	8,839	9,992	1,153	13.0%
12.3%	8,677	9,833	1,156	13.3%
13.6%	8,614	9,809	1,195	13.9%
14.8%	8,331	9,450	1,119	13.4%
16.0%	7,832	9,405	1,573	20.1%
17.3%	7,676	9,359	1,683	21.9%
18.5%	7,475	9,249	1,775	23.7%
19.8%	7,420	9,238	1,818	24.5%
21.0%	7,420	9,042	1,623	21.9%
22.2%	6,924	8,943	2,019	29.2%
23.5%	6,913	8,781	1,868	27.0%
24.7%	6,873	8,605	1,732	25.2%
25.9%	6,783	8,587	1,804	26.6%
27.2%	6,740	8,275	1,535	22.8%
28.4%	6,721	8,018	1,297	19.3%
29.6%	6,589	7,913	1,325	20.1%
30.9%	6,382	7,821	1,439	22.5%
32.1%	6,216	7,744	1,528	24.6%
33.3%	6,178	7,715	1,537	24.9%
34.6%	6,154	7,634	1,480	24.1%
35.8%	6,144	7,623	1,479	24.1%
37.0%	6,118	7,515	1,397	22.8%
38.3%	6,106	7,343	1,237	20.3%
39.5%	5,972	7,251	1,279	21.4%
40.7%	5,908	7,167	1,259	21.3%
42.0%	5,885	7,074	1,189	20.2%
43.2%	5,810	7,047	1,237	21.3%
44.4%	5,805	7,043	1,238	21.3%
45.7%	5,687	6,887	1,200	21.1%
46.9%	5,648	6,827	1,178	20.9%
48.1%	5,646	6,819	1,173	20.8%
49.4%	5,541	6,799	1,258	22.7%
50.6%	5,525	6,778	1,252	22.7%
51.9%	5,494	6,474	980	17.8%
53.1%	5,474	6,463	988	18.1%
54.3%	5,458	6,386	928	17.0%
55.6%	5,407	6,223	816	15.1%
56.8%	5,404	6,194	791	14.6%
58.0%	5,395	6,052	657	12.2%
59.3%	5,374	5,964	590	11.0%
60.5%	5,373	5,904	532	9.9%
61.7%	5,360	5,898	538	10.0%
63.0%	5,336	5,761	425	8.0%
64.2%	5,322	5,728	406	7.6%
65.4%	5,314	5,649	335	6.3%
66.7%	5,291	5,640	349	6.6%
67.9%	5,273	5,613	340	6.5%
69.1%	5,237	5,562	325	6.2%
70.4%	5,236	5,543	307	5.9%
71.6%	5,211	5,486	276	5.3%
72.8%	5,204	5,476	272	5.2%
74.1%	5,202	5,438	236	4.5%
75.3%	5,185	5,336	151	2.9%
76.5%	5,160	5,302	142	2.8%
77.8%	5,109	5,283	174	3.4%
79.0%	5,084	5,259	175	3.4%
80.2%	5,055	5,238	183	3.6%
81.5%	5,042	5,236	193	3.8%
82.7%	4,795	5,227	432	9.0%
84.0%	4,755	5,227	472	9.9%
85.2%	4,731	5,185	453	9.6%
86.4%	4,713	5,177	464	9.9%
87.7%	4,708	5,168	459	9.8%
88.9%	4,676	5,159	483	10.3%
90.1%	4,552	5,159	607	13.3%
91.4%	4,517	5,130	613	13.6%
92.6%	4,210	5,020	810	19.2%
93.8%	4,186	4,932	745	17.8%
95.1%	3,897	4,926	1,028	26.4%
96.3%	3,710	4,766	1,056	28.5%
97.5%	3,673	4,726	1,053	28.7%
98.8%	3,581	4,334	753	21.0%
100.0%	3,225	4,080	855	26.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	37,787	-4,527	-10.7%
1.2%	26,322	25,794	-528	-2.0%
2.5%	20,070	21,967	1,896	9.4%
3.7%	18,483	18,643	160	0.9%
4.9%	16,842	14,731	-2,111	-12.5%
6.2%	16,132	14,179	-1,953	-12.1%
7.4%	13,510	13,891	381	2.8%
8.6%	13,069	13,564	494	3.8%
9.9%	13,002	13,508	505	3.9%
11.1%	12,862	13,308	445	3.5%
12.3%	12,655	12,939	284	2.2%
13.6%	12,525	12,398	-127	-1.0%
14.8%	12,349	12,371	22	0.2%
16.0%	11,895	12,305	410	3.4%
17.3%	11,871	12,236	366	3.1%
18.5%	11,664	12,210	546	4.7%
19.8%	11,635	11,916	281	2.4%
21.0%	11,341	11,718	377	3.3%
22.2%	11,075	11,671	596	5.4%
23.5%	10,860	11,539	679	6.3%
24.7%	10,692	11,409	717	6.7%
25.9%	10,383	11,366	983	9.5%
27.2%	10,333	11,355	1,022	9.9%
28.4%	10,259	11,353	1,094	10.7%
29.6%	10,215	11,287	1,072	10.5%
30.9%	9,988	11,211	1,223	12.2%
32.1%	9,537	11,178	1,641	17.2%
33.3%	9,365	11,134	1,769	18.9%
34.6%	9,357	11,061	1,704	18.2%
35.8%	9,291	10,787	1,496	16.1%
37.0%	8,911	10,587	1,676	18.8%
38.3%	8,889	10,406	1,517	17.1%
39.5%	8,703	10,315	1,612	18.5%
40.7%	8,640	9,994	1,353	15.7%
42.0%	8,509	9,848	1,339	15.7%
43.2%	8,409	9,790	1,381	16.4%
44.4%	8,407	9,624	1,218	14.5%
45.7%	8,350	9,452	1,102	13.2%
46.9%	7,709	9,357	1,647	21.4%
48.1%	7,647	9,054	1,407	18.4%
49.4%	7,641	8,647	1,006	13.2%
50.6%	7,477	8,429	953	12.7%
51.9%	7,344	8,368	1,025	14.0%
53.1%	7,187	8,189	1,002	13.9%
54.3%	7,144	8,185	1,041	14.6%
55.6%	7,085	8,165	1,081	15.3%
56.8%	7,046	7,991	945	13.4%
58.0%	6,876	7,917	1,041	15.1%
59.3%	6,758	7,900	1,142	16.9%
60.5%	6,682	7,898	1,216	18.2%
61.7%	6,625	7,859	1,234	18.6%
63.0%	6,571	7,314	744	11.3%
64.2%	6,558	7,163	606	9.2%
65.4%	6,232	7,130	899	14.4%
66.7%	6,075	7,077	1,002	16.5%
67.9%	6,004	6,783	779	13.0%
69.1%	5,907	6,716	810	13.7%
70.4%	5,791	6,567	776	13.4%
71.6%	5,656	6,472	816	14.4%
72.8%	5,607	6,312	705	12.6%
74.1%	5,564	6,180	616	11.1%
75.3%	5,444	5,972	528	9.7%
76.5%	5,376	5,911	535	9.9%
77.8%	5,162	5,882	720	14.0%
79.0%	5,030	5,801	771	15.3%
80.2%	4,870	5,772	902	18.5%
81.5%	4,858	5,569	712	14.6%
82.7%	4,725	5,280	555	11.7%
84.0%	4,697	5,111	414	8.8%
85.2%	4,667	5,110	443	9.5%
86.4%	4,655	5,057	402	8.6%
87.7%	4,642	5,004	362	7.8%
88.9%	4,629	4,940	311	6.7%
90.1%	4,616	4,882	265	5.7%
91.4%	4,461	4,852	391	8.8%
92.6%	4,308	4,753	445	10.3%
93.8%	4,082	4,659	576	14.1%
95.1%	4,003	4,655	651	16.3%
96.3%	3,674	4,540	866	23.6%
97.5%	3,640	4,244	603	16.6%
98.8%	3,631	3,993	362	10.0%
100.0%	3,623	3,976	353	9.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,826	64	0.1%
1.2%	52,867	51,311	-1,556	-2.9%
2.5%	43,545	42,612	-933	-2.1%
3.7%	43,093	42,609	-484	-1.1%
4.9%	41,211	39,693	-1,517	-3.7%
6.2%	39,983	38,933	-1,050	-2.6%
7.4%	39,150	32,741	-6,409	-16.4%
8.6%	36,633	32,228	-4,404	-12.0%
9.9%	31,832	30,455	-1,377	-4.3%
11.1%	30,640	28,835	-1,805	-5.9%
12.3%	30,000	28,582	-1,418	-4.7%
13.6%	29,163	27,010	-2,153	-7.4%
14.8%	28,219	26,161	-2,058	-7.3%
16.0%	27,201	25,308	-1,893	-7.0%
17.3%	25,261	24,937	-323	-1.3%
18.5%	24,488	23,088	-1,400	-5.7%
19.8%	24,185	21,342	-2,842	-11.8%
21.0%	23,752	21,004	-2,748	-11.6%
22.2%	19,912	19,249	-663	-3.3%
23.5%	19,097	18,430	-666	-3.5%
24.7%	17,569	18,310	741	4.2%
25.9%	16,568	15,760	-808	-4.9%
27.2%	16,154	14,542	-1,611	-10.0%
28.4%	15,742	13,982	-1,760	-11.2%
29.6%	15,402	13,397	-2,005	-13.0%
30.9%	14,309	12,015	-2,294	-16.0%
32.1%	13,417	11,873	-1,544	-11.5%
33.3%	13,111	11,837	-1,274	-9.7%
34.6%	13,031	11,745	-1,286	-9.9%
35.8%	12,995	11,404	-1,592	-12.2%
37.0%	12,702	10,382	-2,320	-18.3%
38.3%	12,689	10,351	-2,338	-18.4%
39.5%	12,528	9,912	-2,615	-20.9%
40.7%	12,269	9,906	-2,364	-19.3%
42.0%	11,992	9,834	-2,159	-18.0%
43.2%	11,756	9,749	-2,008	-17.1%
44.4%	10,928	9,715	-1,212	-11.1%
45.7%	9,541	9,278	-263	-2.8%
46.9%	9,527	9,042	-485	-5.1%
48.1%	9,108	8,955	-154	-1.7%
49.4%	9,082	8,943	-139	-1.5%
50.6%	8,843	8,916	73	0.8%
51.9%	8,780	8,563	-217	-2.5%
53.1%	8,313	8,533	220	2.6%
54.3%	8,179	8,488	309	3.8%
55.6%	8,139	8,170	30	0.4%
56.8%	7,877	7,917	41	0.5%
58.0%	7,828	7,813	-16	-0.2%
59.3%	7,562	7,787	225	3.0%
60.5%	7,541	7,783	242	3.2%
61.7%	7,532	7,664	132	1.8%
63.0%	7,269	7,548	278	3.8%
64.2%	6,702	7,419	717	10.7%
65.4%	6,520	7,406	886	13.6%
66.7%	6,426	7,384	958	14.9%
67.9%	6,344	7,361	1,017	16.0%
69.1%	6,190	7,250	1,060	17.1%
70.4%	6,090	7,097	1,007	16.5%
71.6%	6,003	7,049	1,046	17.4%
72.8%	5,999	6,994	995	16.6%
74.1%	5,998	6,989	990	16.5%
75.3%	5,792	6,873	1,081	18.7%
76.5%	5,763	6,810	1,047	18.2%
77.8%	5,749	6,643	894	15.5%
79.0%	5,671	6,608	936	16.5%
80.2%	5,606	6,601	995	17.8%
81.5%	5,592	6,549	957	17.1%
82.7%	5,415	6,347	932	17.2%
84.0%	5,358	6,095	736	13.7%
85.2%	5,346	6,033	687	12.9%
86.4%	5,325	5,898	573	10.8%
87.7%	5,029	5,807	779	15.5%
88.9%	4,819	5,619	800	16.6%
90.1%	4,809	5,510	702	14.6%
91.4%	4,756	5,443	687	14.4%
92.6%	4,729	5,338	609	12.9%
93.8%	4,688	5,228	540	11.5%
95.1%	4,658	5,052	394	8.5%
96.3%	4,593	4,759	166	3.6%
97.5%	4,445	4,741	296	6.7%
98.8%	4,216	4,727	510	12.1%
100.0%	3,979	4,688	709	17.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,430	82,905	-525	-0.6%
1.2%	70,938	69,606	-1,333	-1.9%
2.5%	70,411	68,082	-2,329	-3.3%
3.7%	69,603	68,009	-1,594	-2.3%
4.9%	63,527	62,739	-788	-1.2%
6.2%	62,575	61,324	-1,251	-2.0%
7.4%	60,183	60,824	641	1.1%
8.6%	60,134	55,139	-4,995	-8.3%
9.9%	48,603	45,089	-3,514	-7.2%
11.1%	45,100	44,165	-936	-2.1%
12.3%	43,109	40,000	-3,110	-7.2%
13.6%	42,619	37,161	-5,458	-12.8%
14.8%	40,661	36,146	-4,515	-11.1%
16.0%	40,179	36,129	-4,050	-10.1%
17.3%	39,837	36,019	-3,818	-9.6%
18.5%	37,539	32,737	-4,803	-12.8%
19.8%	36,084	32,389	-3,695	-10.2%
21.0%	33,867	30,565	-3,301	-9.7%
22.2%	31,276	28,263	-3,013	-9.6%
23.5%	30,694	27,089	-3,604	-11.7%
24.7%	30,000	27,039	-2,961	-9.9%
25.9%	28,235	24,366	-3,870	-13.7%
27.2%	27,623	23,666	-3,957	-14.3%
28.4%	26,100	23,246	-2,854	-10.9%
29.6%	24,068	21,656	-2,413	-10.0%
30.9%	22,358	20,086	-2,272	-10.2%
32.1%	19,677	19,168	-509	-2.6%
33.3%	19,417	18,729	-688	-3.5%
34.6%	19,319	16,205	-3,114	-16.1%
35.8%	18,929	15,581	-3,348	-17.7%
37.0%	18,728	15,377	-3,352	-17.9%
38.3%	18,165	14,099	-4,066	-22.4%
39.5%	16,886	13,442	-3,445	-20.4%
40.7%	16,491	12,931	-3,559	-21.6%
42.0%	16,023	12,647	-3,376	-21.1%
43.2%	15,661	12,307	-3,354	-21.4%
44.4%	15,479	12,286	-3,193	-20.6%
45.7%	15,365	12,043	-3,321	-21.6%
46.9%	13,120	11,455	-1,665	-12.7%
48.1%	12,357	11,174	-1,182	-9.6%
49.4%	11,407	9,782	-1,625	-14.2%
50.6%	11,292	8,990	-2,302	-20.4%
51.9%	11,208	8,749	-2,459	-21.9%
53.1%	11,188	8,696	-2,492	-22.3%
54.3%	10,779	8,683	-2,097	-19.5%
55.6%	10,769	8,672	-2,097	-19.5%
56.8%	10,680	8,622	-2,058	-19.3%
58.0%	10,561	8,522	-2,039	-19.3%
59.3%	10,220	8,487	-1,733	-17.0%
60.5%	9,749	8,413	-1,337	-13.7%
61.7%	9,737	8,393	-1,343	-13.8%
63.0%	9,429	8,158	-1,272	-13.5%
64.2%	9,267	8,152	-1,115	-12.0%
65.4%	8,915	8,036	-879	-9.9%
66.7%	8,780	7,919	-860	-9.8%
67.9%	8,394	7,855	-539	-6.4%
69.1%	8,373	7,679	-694	-8.3%
70.4%	8,287	7,623	-664	-8.0%
71.6%	7,916	7,580	-336	-4.2%
72.8%	7,765	7,570	-195	-2.5%
74.1%	7,636	7,465	-170	-2.2%
75.3%	7,565	7,419	-146	-1.9%
76.5%	7,551	7,397	-154	-2.0%
77.8%	7,536	7,377	-159	-2.1%
79.0%	7,224	7,208	-16	-0.2%
80.2%	7,222	7,170	-52	-0.7%
81.5%	7,018	7,112	94	1.3%
82.7%	6,982	7,066	85	1.2%
84.0%	6,924	7,007	83	1.2%
85.2%	6,924	6,953	28	0.4%
86.4%	6,873	6,883	10	0.2%
87.7%	6,604	6,869	265	4.0%
88.9%	6,322	6,819	497	7.9%
90.1%	6,134	6,645	511	8.3%
91.4%	6,129	6,575	446	7.3%
92.6%	6,018	6,200	181	3.0%
93.8%	5,595	6,175	581	10.4%
95.1%	5,503	6,167	664	12.1%
96.3%	5,473	6,134	661	12.1%
97.5%	5,398	6,050	652	12.1%
98.8%	5,306	6,003	696	13.1%
100.0%	5,083	4,540	-543	-10.7%

Table SW-14-3b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,788	-3	0.0%
1.2%	91,357	91,357	0	0.0%
2.5%	79,870	80,792	922	1.2%
3.7%	72,402	72,398	-4	0.0%
4.9%	66,866	65,988	-878	-1.3%
6.2%	65,508	65,515	7	0.0%
7.4%	65,491	64,748	-743	-1.1%
8.6%	61,080	59,881	-1,199	-2.0%
9.9%	60,171	59,414	-757	-1.3%
11.1%	59,907	59,103	-804	-1.3%
12.3%	57,699	55,061	-2,638	-4.6%
13.6%	53,906	50,978	-2,928	-5.4%
14.8%	50,976	49,710	-1,265	-2.5%
16.0%	43,038	43,054	16	0.0%
17.3%	40,663	39,842	-822	-2.0%
18.5%	40,060	37,209	-2,851	-7.1%
19.8%	39,930	35,632	-4,298	-10.8%
21.0%	39,723	35,629	-4,095	-10.3%
22.2%	37,879	35,523	-2,356	-6.2%
23.5%	37,675	34,865	-2,810	-7.5%
24.7%	33,030	30,649	-2,381	-7.2%
25.9%	30,646	30,353	-292	-1.0%
27.2%	30,372	30,000	-372	-1.2%
28.4%	30,356	27,630	-2,726	-9.0%
29.6%	29,908	27,299	-2,609	-8.7%
30.9%	29,558	26,704	-2,855	-9.7%
32.1%	29,343	26,325	-3,018	-10.3%
33.3%	28,088	24,940	-3,148	-11.2%
34.6%	26,803	23,989	-2,814	-10.5%
35.8%	26,357	22,976	-3,381	-12.8%
37.0%	26,267	22,684	-3,583	-13.6%
38.3%	26,169	22,317	-3,852	-14.7%
39.5%	25,890	21,706	-4,184	-16.2%
40.7%	25,463	21,223	-4,240	-16.7%
42.0%	24,211	19,843	-4,368	-18.0%
43.2%	21,847	17,897	-3,950	-18.1%
44.4%	19,740	17,349	-2,391	-12.1%
45.7%	18,556	16,987	-1,569	-8.5%
46.9%	17,701	16,128	-1,573	-8.9%
48.1%	17,490	16,079	-1,412	-8.1%
49.4%	17,233	15,398	-1,835	-10.6%
50.6%	16,225	14,595	-1,630	-10.0%
51.9%	16,132	13,562	-2,570	-15.9%
53.1%	15,562	13,274	-2,288	-14.7%
54.3%	14,077	12,152	-1,924	-13.7%
55.6%	13,956	11,774	-2,182	-15.6%
56.8%	13,799	11,753	-2,046	-14.8%
58.0%	13,675	11,227	-2,448	-17.9%
59.3%	13,528	11,195	-2,333	-17.2%
60.5%	12,864	10,255	-2,609	-20.3%
61.7%	12,760	9,857	-2,903	-22.7%
63.0%	12,380	9,762	-2,619	-21.2%
64.2%	11,696	9,733	-1,963	-16.8%
65.4%	11,676	9,553	-2,122	-18.2%
66.7%	11,537	9,413	-2,125	-18.4%
67.9%	11,316	9,174	-2,141	-18.9%
69.1%	11,251	9,172	-2,079	-18.5%
70.4%	11,086	9,150	-1,936	-17.5%
71.6%	10,949	8,796	-2,153	-19.7%
72.8%	10,251	8,727	-1,524	-14.9%
74.1%	10,117	8,703	-1,414	-14.0%
75.3%	9,745	8,622	-1,123	-11.5%
76.5%	9,194	8,487	-707	-7.7%
77.8%	8,657	8,466	-191	-2.2%
79.0%	8,307	8,340	33	0.4%
80.2%	7,832	7,824	-8	-0.1%
81.5%	7,598	7,782	184	2.4%
82.7%	7,509	7,384	-125	-1.7%
84.0%	7,465	7,288	-178	-2.4%
85.2%	7,226	7,218	-7	-0.1%
86.4%	6,873	7,146	273	4.0%
87.7%	6,723	7,094	371	5.5%
88.9%	6,717	6,964	247	3.7%
90.1%	6,595	6,813	217	3.3%
91.4%	6,576	6,697	121	1.8%
92.6%	6,213	6,169	-44	-0.7%
93.8%	6,172	6,060	-112	-1.8%
95.1%	5,535	5,536	1	0.0%
96.3%	5,155	5,526	371	7.2%
97.5%	5,134	5,295	161	3.1%
98.8%	4,871	5,158	287	5.9%
100.0%	4,864	4,932	68	1.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,957	77,404	-3,553	-4.4%
2.5%	72,387	72,391	4	0.0%
3.7%	62,138	62,127	-11	0.0%
4.9%	51,292	51,257	-35	-0.1%
6.2%	51,258	47,859	-3,399	-6.6%
7.4%	50,574	45,223	-5,350	-10.6%
8.6%	43,894	42,178	-1,716	-3.9%
9.9%	42,181	39,581	-2,600	-6.2%
11.1%	39,592	37,970	-1,622	-4.1%
12.3%	39,103	33,189	-5,914	-15.1%
13.6%	32,695	32,033	-662	-2.0%
14.8%	30,218	29,413	-805	-2.7%
16.0%	29,208	29,211	2	0.0%
17.3%	28,908	27,571	-1,337	-4.6%
18.5%	27,569	27,423	-146	-0.5%
19.8%	27,422	26,834	-588	-2.1%
21.0%	26,585	26,549	-35	-0.1%
22.2%	26,250	25,407	-843	-3.2%
23.5%	25,410	24,377	-1,032	-4.1%
24.7%	25,167	24,348	-819	-3.3%
25.9%	24,560	24,022	-539	-2.2%
27.2%	24,357	20,397	-3,960	-16.3%
28.4%	23,242	19,570	-3,673	-15.8%
29.6%	20,767	18,872	-1,895	-9.1%
30.9%	20,610	18,280	-2,330	-11.3%
32.1%	18,879	16,254	-2,625	-13.9%
33.3%	18,185	15,944	-2,241	-12.3%
34.6%	18,000	15,925	-2,075	-11.5%
35.8%	17,293	15,839	-1,454	-8.4%
37.0%	17,002	15,358	-1,644	-9.7%
38.3%	16,845	14,770	-2,075	-12.3%
39.5%	16,480	14,716	-1,764	-10.7%
40.7%	15,949	14,115	-1,834	-11.5%
42.0%	15,942	13,671	-2,272	-14.2%
43.2%	15,829	12,692	-3,137	-19.8%
44.4%	15,792	12,316	-3,476	-22.0%
45.7%	15,676	12,306	-3,370	-21.5%
46.9%	15,028	12,196	-2,832	-18.8%
48.1%	14,827	11,618	-3,209	-21.6%
49.4%	14,736	11,450	-3,287	-22.3%
50.6%	14,697	11,235	-3,462	-23.6%
51.9%	14,225	11,076	-3,149	-22.1%
53.1%	13,539	11,021	-2,518	-18.6%
54.3%	13,306	10,639	-2,668	-20.0%
55.6%	13,186	10,413	-2,773	-21.0%
56.8%	12,882	10,111	-2,771	-21.5%
58.0%	12,486	10,074	-2,412	-19.3%
59.3%	12,021	9,723	-2,298	-19.1%
60.5%	11,529	9,456	-2,073	-18.0%
61.7%	11,248	8,976	-2,273	-20.2%
63.0%	10,627	8,891	-1,736	-16.3%
64.2%	10,233	8,723	-1,509	-14.8%
65.4%	10,117	8,422	-1,695	-16.8%
66.7%	10,077	8,420	-1,658	-16.4%
67.9%	9,728	8,387	-1,341	-13.8%
69.1%	9,680	8,293	-1,387	-14.3%
70.4%	9,662	8,285	-1,377	-14.2%
71.6%	9,583	8,150	-1,433	-15.0%
72.8%	9,450	8,002	-1,448	-15.3%
74.1%	9,392	7,969	-1,424	-15.2%
75.3%	9,292	7,810	-1,482	-16.0%
76.5%	8,992	7,520	-1,472	-16.4%
77.8%	8,975	7,371	-1,604	-17.9%
79.0%	8,895	7,218	-1,677	-18.9%
80.2%	8,558	7,153	-1,405	-16.4%
81.5%	8,240	7,071	-1,169	-14.2%
82.7%	8,003	7,011	-992	-12.4%
84.0%	7,821	6,896	-925	-11.8%
85.2%	7,714	6,657	-1,057	-13.7%
86.4%	7,622	6,615	-1,007	-13.2%
87.7%	7,216	6,496	-720	-10.0%
88.9%	6,909	6,329	-579	-8.4%
90.1%	6,138	6,211	73	1.2%
91.4%	6,123	6,063	-60	-1.0%
92.6%	6,017	6,009	-8	-0.1%
93.8%	5,675	5,987	312	5.5%
95.1%	5,547	5,621	73	1.3%
96.3%	5,544	5,535	-9	-0.2%
97.5%	5,473	5,504	32	0.6%
98.8%	5,470	5,468	-3	-0.1%
100.0%	5,171	5,464	294	5.7%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	49,940	-10	0.0%
1.2%	44,653	44,645	-8	0.0%
2.5%	43,453	43,454	1	0.0%
3.7%	34,687	34,685	-2	0.0%
4.9%	32,373	32,370	-3	0.0%
6.2%	26,009	26,009	1	0.0%
7.4%	25,498	25,482	-17	-0.1%
8.6%	25,192	25,150	-42	-0.2%
9.9%	25,158	21,697	-3,462	-13.8%
11.1%	21,898	21,268	-630	-2.9%
12.3%	21,270	20,815	-454	-2.1%
13.6%	20,828	20,449	-379	-1.8%
14.8%	20,451	19,052	-1,399	-6.8%
16.0%	20,089	19,029	-1,061	-5.3%
17.3%	19,031	17,637	-1,394	-7.3%
18.5%	18,972	17,311	-1,662	-8.8%
19.8%	17,324	17,118	-207	-1.2%
21.0%	15,704	14,192	-1,512	-9.6%
22.2%	15,660	13,830	-1,830	-11.7%
23.5%	14,992	13,754	-1,238	-8.3%
24.7%	13,832	12,361	-1,471	-10.6%
25.9%	13,763	11,752	-2,011	-14.6%
27.2%	11,907	11,366	-541	-4.5%
28.4%	10,820	10,549	-271	-2.5%
29.6%	10,446	10,395	-52	-0.5%
30.9%	10,344	10,104	-239	-2.3%
32.1%	10,004	9,771	-234	-2.3%
33.3%	9,793	8,423	-1,370	-14.0%
34.6%	9,100	8,233	-867	-9.5%
35.8%	8,547	7,891	-656	-7.7%
37.0%	7,910	7,763	-147	-1.9%
38.3%	7,803	7,500	-303	-3.9%
39.5%	7,764	7,491	-273	-3.5%
40.7%	7,583	7,438	-145	-1.9%
42.0%	7,475	7,339	-137	-1.8%
43.2%	7,447	7,323	-124	-1.7%
44.4%	7,447	7,279	-168	-2.3%
45.7%	7,419	7,254	-165	-2.2%
46.9%	7,187	7,221	34	0.5%
48.1%	7,126	7,108	-18	-0.3%
49.4%	7,105	7,061	-44	-0.6%
50.6%	7,031	7,027	-4	0.0%
51.9%	7,024	6,976	-48	-0.7%
53.1%	6,986	6,958	-28	-0.4%
54.3%	6,976	6,938	-37	-0.5%
55.6%	6,958	6,928	-30	-0.4%
56.8%	6,947	6,922	-25	-0.4%
58.0%	6,929	6,922	-7	-0.1%
59.3%	6,892	6,842	-49	-0.7%
60.5%	6,832	6,819	-13	-0.2%
61.7%	6,812	6,795	-17	-0.2%
63.0%	6,641	6,750	109	1.6%
64.2%	6,541	6,725	185	2.8%
65.4%	6,507	6,723	216	3.3%
66.7%	6,489	6,660	171	2.6%
67.9%	6,441	6,639	198	3.1%
69.1%	6,419	6,633	214	3.3%
70.4%	6,410	6,590	180	2.8%
71.6%	6,407	6,578	171	2.7%
72.8%	6,361	6,546	186	2.9%
74.1%	6,297	6,463	165	2.6%
75.3%	6,288	6,410	122	1.9%
76.5%	6,282	6,400	118	1.9%
77.8%	6,246	6,249	3	0.0%
79.0%	6,144	6,229	85	1.4%
80.2%	6,129	6,197	68	1.1%
81.5%	6,108	6,142	33	0.5%
82.7%	6,097	6,126	29	0.5%
84.0%	6,030	6,126	96	1.6%
85.2%	5,881	5,820	-61	-1.0%
86.4%	5,841	5,751	-89	-1.5%
87.7%	5,805	5,731	-74	-1.3%
88.9%	5,599	5,729	130	2.3%
90.1%	5,477	5,625	148	2.7%
91.4%	5,336	5,547	210	3.9%
92.6%	5,195	5,498	303	5.8%
93.8%	5,189	5,239	49	0.9%
95.1%	4,973	5,223	250	5.0%
96.3%	4,947	5,033	86	1.7%
97.5%	4,928	4,935	7	0.1%
98.8%	4,905	4,925	21	0.4%
100.0%	4,864	4,848	-16	-0.3%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,548	26,547	-1	0.0%
1.2%	25,224	25,215	-10	0.0%
2.5%	24,224	24,130	-94	-0.4%
3.7%	21,662	21,662	0	0.0%
4.9%	18,981	18,887	-93	-0.5%
6.2%	18,383	18,291	-92	-0.5%
7.4%	16,707	16,613	-94	-0.6%
8.6%	16,084	13,722	-2,362	-14.7%
9.9%	13,796	13,636	-160	-1.2%
11.1%	13,654	13,484	-170	-1.2%
12.3%	13,491	12,921	-570	-4.2%
13.6%	12,922	12,612	-309	-2.4%
14.8%	12,707	12,558	-150	-1.2%
16.0%	12,558	11,066	-1,492	-11.9%
17.3%	11,551	10,409	-1,142	-9.9%
18.5%	10,366	10,357	-10	-0.1%
19.8%	10,249	9,883	-365	-3.6%
21.0%	9,926	9,281	-645	-6.5%
22.2%	9,624	9,168	-456	-4.7%
23.5%	9,240	9,147	-93	-1.0%
24.7%	9,129	9,126	-3	0.0%
25.9%	8,442	8,901	459	5.4%
27.2%	8,090	8,344	255	3.1%
28.4%	7,426	8,319	893	12.0%
29.6%	7,321	8,317	996	13.6%
30.9%	7,161	8,003	842	11.8%
32.1%	7,160	7,700	540	7.5%
33.3%	7,007	7,017	10	0.1%
34.6%	6,999	7,001	3	0.0%
35.8%	6,975	6,927	-48	-0.7%
37.0%	6,934	6,926	-8	-0.1%
38.3%	6,823	6,893	70	1.0%
39.5%	6,714	6,888	174	2.6%
40.7%	6,650	6,743	93	1.4%
42.0%	6,634	6,739	105	1.6%
43.2%	6,599	6,667	68	1.0%
44.4%	6,583	6,653	70	1.1%
45.7%	6,580	6,651	71	1.1%
46.9%	6,531	6,606	75	1.1%
48.1%	6,514	6,587	73	1.1%
49.4%	6,513	6,580	67	1.0%
50.6%	6,483	6,580	97	1.5%
51.9%	6,459	6,556	97	1.5%
53.1%	6,426	6,551	125	1.9%
54.3%	6,393	6,499	106	1.7%
55.6%	6,316	6,488	172	2.7%
56.8%	6,267	6,484	217	3.5%
58.0%	6,186	6,475	289	4.7%
59.3%	6,103	6,446	343	5.6%
60.5%	6,095	6,419	325	5.3%
61.7%	6,067	6,383	316	5.2%
63.0%	6,045	6,374	329	5.4%
64.2%	5,975	6,343	368	6.2%
65.4%	5,925	6,309	383	6.5%
66.7%	5,905	6,309	403	6.8%
67.9%	5,873	6,133	261	4.4%
69.1%	5,859	6,089	229	3.9%
70.4%	5,840	6,075	235	4.0%
71.6%	5,828	6,038	210	3.6%
72.8%	5,826	5,979	153	2.6%
74.1%	5,821	5,948	127	2.2%
75.3%	5,773	5,869	96	1.7%
76.5%	5,675	5,861	186	3.3%
77.8%	5,628	5,855	228	4.0%
79.0%	5,567	5,803	235	4.2%
80.2%	5,532	5,732	200	3.6%
81.5%	5,523	5,701	178	3.2%
82.7%	5,503	5,680	177	3.2%
84.0%	5,405	5,666	261	4.8%
85.2%	5,340	5,624	283	5.3%
86.4%	5,335	5,537	202	3.8%
87.7%	5,165	5,531	366	7.1%
88.9%	5,135	5,383	248	4.8%
90.1%	5,043	5,359	316	6.3%
91.4%	5,021	5,042	21	0.4%
92.6%	4,847	4,976	130	2.7%
93.8%	4,842	4,951	109	2.3%
95.1%	4,825	4,883	58	1.2%
96.3%	4,818	4,852	34	0.7%
97.5%	4,810	4,804	-6	-0.1%
98.8%	4,774	4,778	4	0.1%
100.0%	4,659	4,648	-11	-0.2%

Table SW-14-3b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,624	-175	-0.6%
1.2%	17,315	17,323	8	0.0%
2.5%	12,805	11,459	-1,345	-10.5%
3.7%	10,241	11,051	811	7.9%
4.9%	10,063	10,510	447	4.4%
6.2%	9,905	10,123	218	2.2%
7.4%	9,664	9,797	132	1.4%
8.6%	9,431	9,792	361	3.8%
9.9%	9,425	9,673	248	2.6%
11.1%	9,217	9,624	407	4.4%
12.3%	9,200	9,594	395	4.3%
13.6%	8,993	9,120	127	1.4%
14.8%	8,959	9,118	159	1.8%
16.0%	8,832	8,937	105	1.2%
17.3%	8,663	8,834	171	2.0%
18.5%	8,636	8,808	172	2.0%
19.8%	8,470	8,807	337	4.0%
21.0%	8,405	8,758	353	4.2%
22.2%	8,140	8,744	604	7.4%
23.5%	8,090	8,712	622	7.7%
24.7%	8,007	8,630	623	7.8%
25.9%	7,918	8,626	708	8.9%
27.2%	7,740	8,501	761	9.8%
28.4%	7,718	8,359	642	8.3%
29.6%	7,697	8,344	646	8.4%
30.9%	7,691	8,259	568	7.4%
32.1%	7,674	8,227	553	7.2%
33.3%	7,568	8,198	631	8.3%
34.6%	7,525	8,121	596	7.9%
35.8%	7,471	8,112	641	8.6%
37.0%	7,465	8,074	609	8.2%
38.3%	7,447	7,943	496	6.7%
39.5%	7,412	7,943	531	7.2%
40.7%	7,402	7,845	443	6.0%
42.0%	7,355	7,843	487	6.6%
43.2%	7,342	7,807	465	6.3%
44.4%	7,327	7,713	386	5.3%
45.7%	7,313	7,700	387	5.3%
46.9%	7,299	7,688	389	5.3%
48.1%	7,293	7,682	389	5.3%
49.4%	7,265	7,646	381	5.2%
50.6%	7,262	7,644	382	5.3%
51.9%	7,253	7,624	371	5.1%
53.1%	7,248	7,619	370	5.1%
54.3%	7,238	7,559	321	4.4%
55.6%	7,223	7,483	260	3.6%
56.8%	7,222	7,415	193	2.7%
58.0%	7,221	7,412	191	2.7%
59.3%	7,220	7,409	190	2.6%
60.5%	7,212	7,354	142	2.0%
61.7%	7,179	7,320	141	2.0%
63.0%	7,141	7,301	160	2.2%
64.2%	7,137	7,229	92	1.3%
65.4%	7,128	7,223	95	1.3%
66.7%	7,079	7,213	134	1.9%
67.9%	7,060	7,210	150	2.1%
69.1%	7,047	7,208	162	2.3%
70.4%	7,042	7,206	164	2.3%
71.6%	6,830	7,174	344	5.0%
72.8%	6,826	7,160	335	4.9%
74.1%	6,812	7,155	343	5.0%
75.3%	6,781	7,154	373	5.5%
76.5%	6,707	7,148	441	6.6%
77.8%	6,706	7,137	431	6.4%
79.0%	6,657	7,125	468	7.0%
80.2%	6,655	7,090	435	6.5%
81.5%	6,631	7,076	445	6.7%
82.7%	6,626	7,063	437	6.6%
84.0%	6,508	7,062	554	8.5%
85.2%	6,389	7,048	659	10.3%
86.4%	6,212	6,989	778	12.5%
87.7%	6,189	6,952	764	12.3%
88.9%	6,176	6,863	687	11.1%
90.1%	6,145	6,827	682	11.1%
91.4%	6,113	6,812	699	11.4%
92.6%	5,844	6,592	748	12.8%
93.8%	5,768	6,242	473	8.2%
95.1%	5,695	6,231	535	9.4%
96.3%	5,623	6,113	490	8.7%
97.5%	5,619	5,943	323	5.8%
98.8%	5,561	5,765	204	3.7%
100.0%	5,527	5,576	49	0.9%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	14,410	631	4.6%
1.2%	12,871	13,840	969	7.5%
2.5%	11,286	13,686	2,399	21.3%
3.7%	11,129	13,577	2,448	22.0%
4.9%	11,010	13,548	2,539	23.1%
6.2%	10,979	13,390	2,411	22.0%
7.4%	10,750	13,196	2,446	22.8%
8.6%	10,588	13,117	2,529	23.9%
9.9%	10,553	13,010	2,458	23.3%
11.1%	10,498	12,965	2,467	23.5%
12.3%	10,482	12,928	2,446	23.3%
13.6%	10,474	12,875	2,401	22.9%
14.8%	10,384	12,378	1,994	19.2%
16.0%	10,372	12,219	1,848	17.8%
17.3%	10,313	12,219	1,906	18.5%
18.5%	10,231	12,218	1,988	19.4%
19.8%	10,116	12,080	1,964	19.4%
21.0%	10,106	12,031	1,926	19.1%
22.2%	10,030	11,934	1,903	19.0%
23.5%	10,018	11,933	1,914	19.1%
24.7%	9,999	11,847	1,848	18.5%
25.9%	9,935	11,419	1,484	14.9%
27.2%	9,868	11,303	1,435	14.5%
28.4%	9,865	11,287	1,422	14.4%
29.6%	9,812	11,150	1,338	13.6%
30.9%	9,777	11,094	1,317	13.5%
32.1%	9,667	11,047	1,380	14.3%
33.3%	9,633	11,035	1,402	14.6%
34.6%	9,590	10,923	1,333	13.9%
35.8%	9,548	10,856	1,307	13.7%
37.0%	9,516	10,825	1,309	13.8%
38.3%	9,450	10,803	1,352	14.3%
39.5%	9,430	10,790	1,360	14.4%
40.7%	9,424	10,705	1,281	13.6%
42.0%	9,291	10,675	1,384	14.9%
43.2%	9,268	10,607	1,339	14.4%
44.4%	9,105	10,552	1,447	15.9%
45.7%	8,908	10,548	1,639	18.4%
46.9%	8,826	10,538	1,712	19.4%
48.1%	8,766	10,512	1,747	19.9%
49.4%	8,754	10,502	1,748	20.0%
50.6%	8,660	10,487	1,827	21.1%
51.9%	8,611	10,456	1,845	21.4%
53.1%	8,594	10,355	1,761	20.5%
54.3%	8,573	10,337	1,764	20.6%
55.6%	8,525	10,311	1,785	20.9%
56.8%	8,366	10,284	1,918	22.9%
58.0%	8,347	10,043	1,696	20.3%
59.3%	8,174	9,939	1,765	21.6%
60.5%	8,057	9,924	1,867	23.2%
61.7%	7,994	9,908	1,914	23.9%
63.0%	7,854	9,857	2,003	25.5%
64.2%	7,815	9,757	1,942	24.8%
65.4%	7,810	9,638	1,828	23.4%
66.7%	7,746	9,422	1,676	21.6%
67.9%	7,739	9,315	1,576	20.4%
69.1%	7,704	9,274	1,571	20.4%
70.4%	7,613	9,261	1,649	21.7%
71.6%	7,551	9,042	1,491	19.7%
72.8%	7,501	9,004	1,503	20.0%
74.1%	7,497	8,862	1,365	18.2%
75.3%	7,398	8,780	1,382	18.7%
76.5%	7,324	8,763	1,439	19.7%
77.8%	7,262	8,512	1,250	17.2%
79.0%	7,173	8,484	1,310	18.3%
80.2%	7,158	8,352	1,194	16.7%
81.5%	7,105	8,275	1,170	16.5%
82.7%	7,091	8,139	1,048	14.8%
84.0%	7,079	8,054	975	13.8%
85.2%	7,076	7,984	908	12.8%
86.4%	7,073	7,934	861	12.2%
87.7%	7,072	7,914	842	11.9%
88.9%	7,064	7,827	763	10.8%
90.1%	7,061	7,662	601	8.5%
91.4%	7,034	7,662	627	8.9%
92.6%	6,938	7,567	629	9.1%
93.8%	6,527	7,386	859	13.2%
95.1%	6,444	7,248	804	12.5%
96.3%	6,415	7,170	755	11.8%
97.5%	6,197	7,092	895	14.4%
98.8%	5,970	7,088	1,118	18.7%
100.0%	5,586	5,842	257	4.6%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	12,102	1,202	11.0%
1.2%	10,816	11,702	887	8.2%
2.5%	10,694	11,362	668	6.3%
3.7%	10,492	11,348	857	8.2%
4.9%	10,258	11,009	751	7.3%
6.2%	10,227	10,974	747	7.3%
7.4%	9,817	10,844	1,027	10.5%
8.6%	9,668	10,641	973	10.1%
9.9%	9,650	10,564	913	9.5%
11.1%	9,614	9,899	285	3.0%
12.3%	8,833	9,874	1,041	11.8%
13.6%	8,656	9,794	1,138	13.1%
14.8%	8,582	9,477	895	10.4%
16.0%	8,395	9,037	642	7.6%
17.3%	8,383	8,981	598	7.1%
18.5%	8,274	8,961	687	8.3%
19.8%	8,245	8,923	678	8.2%
21.0%	8,193	8,860	667	8.1%
22.2%	8,170	8,719	548	6.7%
23.5%	8,158	8,696	538	6.6%
24.7%	8,041	8,652	611	7.6%
25.9%	8,026	8,612	586	7.3%
27.2%	8,017	8,558	541	6.7%
28.4%	7,834	8,537	703	9.0%
29.6%	7,823	8,494	671	8.6%
30.9%	7,764	8,489	724	9.3%
32.1%	7,721	8,439	718	9.3%
33.3%	7,555	8,262	706	9.4%
34.6%	7,438	8,226	788	10.6%
35.8%	7,301	8,201	900	12.3%
37.0%	7,268	8,200	932	12.8%
38.3%	7,241	8,195	954	13.2%
39.5%	7,183	8,169	985	13.7%
40.7%	7,150	8,104	954	13.3%
42.0%	7,118	8,065	948	13.3%
43.2%	7,060	7,991	931	13.2%
44.4%	6,966	7,979	1,013	14.5%
45.7%	6,808	7,926	1,119	16.4%
46.9%	6,794	7,789	995	14.7%
48.1%	6,748	7,652	904	13.4%
49.4%	6,679	7,641	962	14.4%
50.6%	6,670	7,604	934	14.0%
51.9%	6,658	7,534	876	13.2%
53.1%	6,636	7,526	890	13.4%
54.3%	6,626	7,431	805	12.2%
55.6%	6,624	7,369	744	11.2%
56.8%	6,621	7,290	670	10.1%
58.0%	6,619	7,275	656	9.9%
59.3%	6,618	7,275	657	9.9%
60.5%	6,609	7,241	632	9.6%
61.7%	6,608	7,227	619	9.4%
63.0%	6,601	7,185	583	8.8%
64.2%	6,592	7,150	558	8.5%
65.4%	6,579	7,144	565	8.6%
66.7%	6,578	7,139	561	8.5%
67.9%	6,572	7,042	470	7.2%
69.1%	6,562	7,001	439	6.7%
70.4%	6,557	6,985	428	6.5%
71.6%	6,553	6,972	419	6.4%
72.8%	6,524	6,917	393	6.0%
74.1%	6,516	6,840	324	5.0%
75.3%	6,515	6,802	287	4.4%
76.5%	6,507	6,781	274	4.2%
77.8%	6,501	6,780	280	4.3%
79.0%	6,465	6,737	272	4.2%
80.2%	6,431	6,693	262	4.1%
81.5%	6,408	6,662	254	4.0%
82.7%	6,150	6,658	508	8.3%
84.0%	6,141	6,656	514	8.4%
85.2%	6,110	6,650	540	8.8%
86.4%	6,099	6,649	550	9.0%
87.7%	6,087	6,531	444	7.3%
88.9%	6,070	6,527	457	7.5%
90.1%	6,061	6,504	443	7.3%
91.4%	5,798	6,484	686	11.8%
92.6%	5,647	6,458	811	14.4%
93.8%	5,559	6,451	892	16.1%
95.1%	5,546	6,294	748	13.5%
96.3%	5,076	6,276	1,200	23.6%
97.5%	5,056	6,165	1,108	21.9%
98.8%	5,010	6,094	1,084	21.6%
100.0%	4,993	6,089	1,096	22.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,306	15,338	32	0.2%
1.2%	15,296	15,326	30	0.2%
2.5%	15,267	15,323	55	0.4%
3.7%	14,876	15,299	422	2.8%
4.9%	14,575	15,294	718	4.9%
6.2%	13,634	15,257	1,623	11.9%
7.4%	13,455	15,247	1,792	13.3%
8.6%	13,364	15,237	1,873	14.0%
9.9%	13,318	15,221	1,903	14.3%
11.1%	13,189	13,852	663	5.0%
12.3%	13,055	13,711	656	5.0%
13.6%	13,044	13,568	523	4.0%
14.8%	12,970	13,414	445	3.4%
16.0%	12,869	13,340	471	3.7%
17.3%	12,805	13,315	510	4.0%
18.5%	12,308	13,304	996	8.1%
19.8%	12,231	12,883	652	5.3%
21.0%	12,129	12,841	712	5.9%
22.2%	11,977	12,769	792	6.6%
23.5%	11,725	12,720	995	8.5%
24.7%	11,660	12,644	983	8.4%
25.9%	11,268	12,640	1,372	12.2%
27.2%	11,059	12,613	1,555	14.1%
28.4%	10,547	12,449	1,902	18.0%
29.6%	10,424	10,565	140	1.3%
30.9%	9,854	10,198	344	3.5%
32.1%	9,716	9,740	24	0.2%
33.3%	9,414	9,619	205	2.2%
34.6%	9,318	9,585	267	2.9%
35.8%	8,734	9,292	558	6.4%
37.0%	8,501	9,126	625	7.3%
38.3%	8,474	8,607	133	1.6%
39.5%	7,961	8,213	252	3.2%
40.7%	7,684	8,149	465	6.1%
42.0%	7,316	8,134	818	11.2%
43.2%	7,215	7,992	778	10.8%
44.4%	7,126	7,988	861	12.1%
45.7%	6,694	7,855	1,161	17.3%
46.9%	6,583	7,696	1,113	16.9%
48.1%	6,430	7,640	1,211	18.8%
49.4%	6,413	7,570	1,157	18.0%
50.6%	6,280	7,317	1,037	16.5%
51.9%	6,143	7,175	1,032	16.8%
53.1%	6,130	7,129	999	16.3%
54.3%	6,130	7,128	998	16.3%
55.6%	6,117	7,122	1,005	16.4%
56.8%	6,029	6,959	930	15.4%
58.0%	6,000	6,888	888	14.8%
59.3%	5,923	6,869	946	16.0%
60.5%	5,917	6,803	887	15.0%
61.7%	5,916	6,649	733	12.4%
63.0%	5,826	6,388	562	9.6%
64.2%	5,777	6,373	595	10.3%
65.4%	5,747	6,366	618	10.8%
66.7%	5,721	6,354	633	11.1%
67.9%	5,689	6,266	577	10.1%
69.1%	5,584	6,199	615	11.0%
70.4%	5,479	6,134	655	12.0%
71.6%	5,459	6,134	675	12.4%
72.8%	5,450	6,110	660	12.1%
74.1%	5,435	6,058	623	11.5%
75.3%	5,391	6,055	664	12.3%
76.5%	5,373	6,038	665	12.4%
77.8%	5,370	6,029	659	12.3%
79.0%	4,913	5,860	947	19.3%
80.2%	4,898	5,829	931	19.0%
81.5%	4,851	5,790	938	19.3%
82.7%	4,831	5,755	924	19.1%
84.0%	4,826	5,750	924	19.2%
85.2%	4,755	5,723	968	20.4%
86.4%	4,723	5,723	1,000	21.2%
87.7%	4,704	5,693	989	21.0%
88.9%	4,395	5,510	1,115	25.4%
90.1%	4,372	5,447	1,074	24.6%
91.4%	4,351	5,446	1,095	25.2%
92.6%	4,204	5,337	1,133	27.0%
93.8%	4,152	5,318	1,165	28.1%
95.1%	3,867	5,313	1,445	37.4%
96.3%	3,837	5,303	1,466	38.2%
97.5%	3,829	5,058	1,229	32.1%
98.8%	3,611	5,037	1,425	39.5%
100.0%	3,589	5,020	1,432	39.9%

Table SW-15-3a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,013	8,450	11,320	13,710	15,316	14,122	8,709	6,840	5,733	6,695	5,725	7,749
Alternative A	6,935	9,164	11,203	12,910	14,584	12,957	8,562	6,894	6,104	8,230	6,398	8,602
Difference	922	714	-117	-800	-732	-1,165	-148	54	371	1,534	673	854
Percent Difference[3]	15.3%	8.4%	-1.0%	-5.8%	-4.8%	-8.3%	-1.7%	0.8%	6.5%	22.9%	11.8%	11.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,090	11,141	11,589	19,105	19,831	18,268	13,423	10,357	6,434	6,606	6,034	12,210
Alternative A	8,506	11,702	11,492	18,668	19,485	18,068	13,348	10,403	6,883	7,924	6,172	13,171
Difference	1,416	561	-97	-437	-346	-200	-75	46	449	1,318	138	961
Percent Difference	20.0%	5.0%	-0.8%	-2.3%	-1.7%	-1.1%	-0.6%	0.4%	7.0%	20.0%	2.3%	7.9%
Above Normal (15%)												
No Action Alternative	5,985	9,241	12,327	16,513	19,069	17,632	10,200	7,244	5,842	7,021	5,583	7,854
Alternative A	6,801	10,517	12,047	15,601	18,109	16,685	9,966	7,086	5,990	9,205	5,992	8,354
Difference	816	1,277	-280	-912	-960	-946	-234	-158	149	2,184	408	500
Percent Difference	13.6%	13.8%	-2.3%	-5.5%	-5.0%	-5.4%	-2.3%	-2.2%	2.5%	31.1%	7.3%	6.4%
Below Normal (17%)												
No Action Alternative	5,610	7,976	12,629	12,400	14,370	12,001	7,022	5,430	5,242	6,137	5,154	4,980
Alternative A	6,811	8,825	12,755	10,388	13,557	9,669	6,721	5,179	5,529	8,596	5,786	5,878
Difference	1,202	849	126	-2,012	-813	-2,332	-301	-251	288	2,459	631	898
Percent Difference	21.4%	10.6%	1.0%	-16.2%	-5.7%	-19.4%	-4.3%	-4.6%	5.5%	40.1%	12.3%	18.0%
Dry (22%)												
No Action Alternative	5,461	6,719	11,566	8,850	11,606	11,396	5,268	4,532	5,285	6,932	5,848	5,281
Alternative A	5,825	7,454	11,611	8,355	10,651	9,466	5,033	4,879	5,800	8,368	6,874	6,125
Difference	364	736	45	-495	-954	-1,930	-235	347	515	1,436	1,026	844
Percent Difference	6.7%	10.9%	0.4%	-5.6%	-8.2%	-16.9%	-4.5%	7.7%	9.7%	20.7%	17.5%	16.0%
Critical (15%)												
No Action Alternative	5,008	4,978	7,834	8,034	8,451	8,196	4,136	3,921	5,351	6,860	5,676	4,908
Alternative A	5,477	5,270	7,307	7,516	7,537	7,229	4,227	4,121	5,657	7,281	7,294	5,848
Difference	468	292	-527	-517	-914	-966	90	200	306	421	1,618	939
Percent Difference	9.4%	5.9%	-6.7%	-6.4%	-10.8%	-11.8%	2.2%	5.1%	5.7%	6.1%	28.5%	19.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

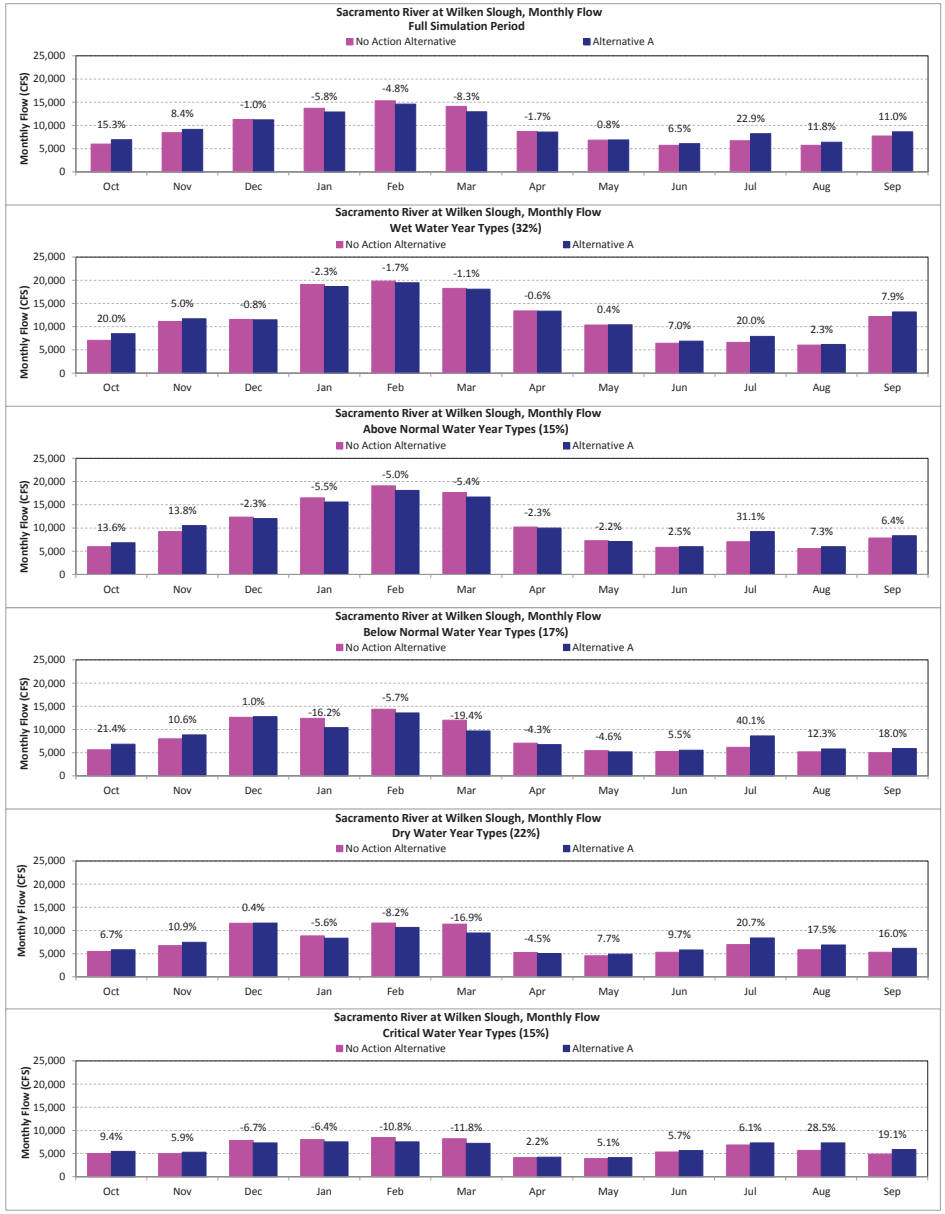

Figure SW-15-3b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

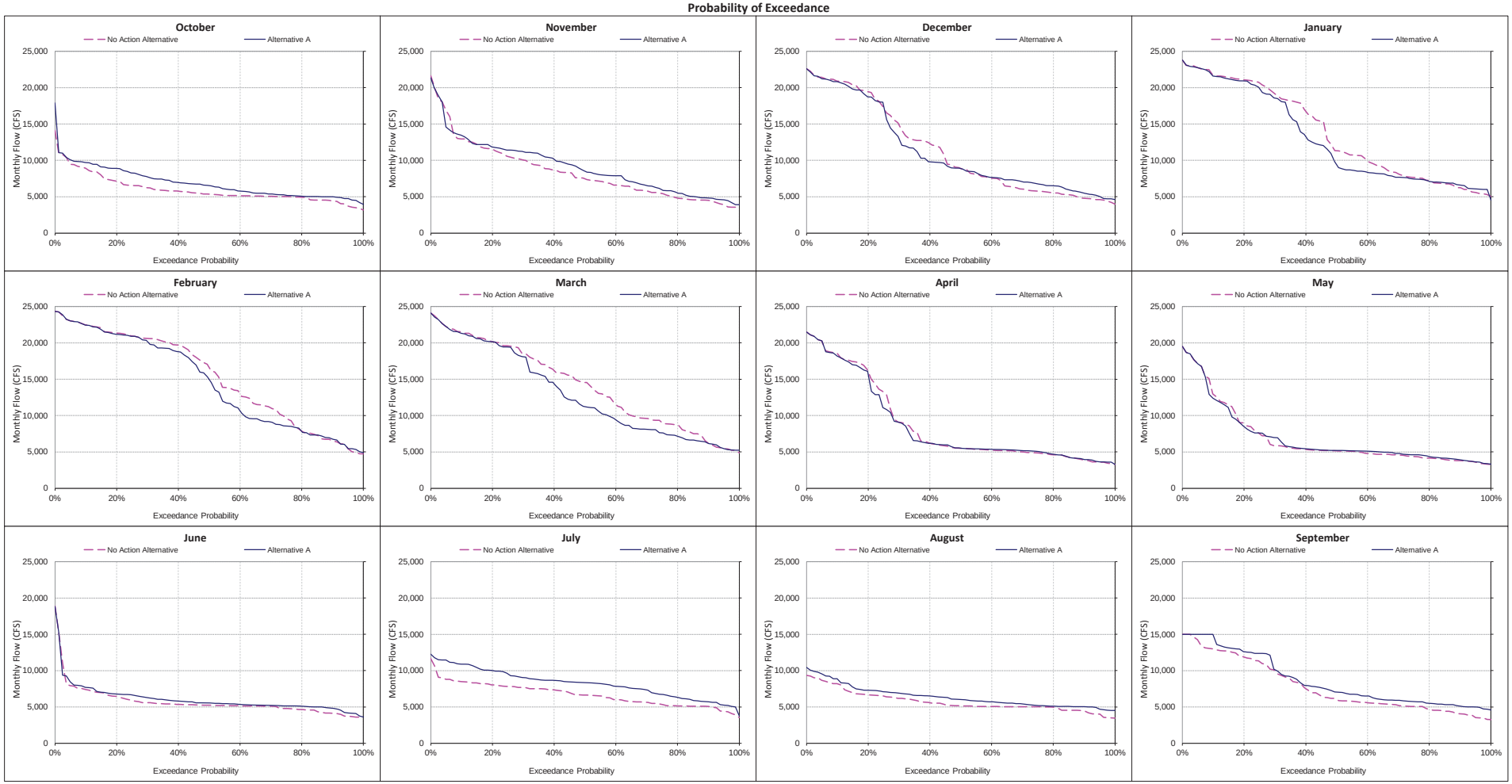

Table SW-15-3b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	17,901	3,802	27.0%
1.2%	10,966	11,053	87	0.8%
2.5%	10,836	11,006	170	1.6%
3.7%	10,399	10,391	-8	-0.1%
4.9%	9,459	10,089	631	6.7%
6.2%	9,414	9,877	464	4.9%
7.4%	9,165	9,826	660	7.2%
8.6%	9,079	9,803	724	8.0%
9.9%	8,942	9,692	750	8.4%
11.1%	8,595	9,664	1,069	12.4%
12.3%	8,419	9,469	1,049	12.5%
13.6%	8,396	9,459	1,062	12.6%
14.8%	8,018	9,122	1,103	13.8%
16.0%	7,482	9,087	1,605	21.4%
17.3%	7,363	8,934	1,570	21.3%
18.5%	7,269	8,893	1,624	22.3%
19.8%	7,139	8,885	1,745	24.4%
21.0%	7,136	8,852	1,716	24.0%
22.2%	6,653	8,578	1,926	28.9%
23.5%	6,593	8,483	1,889	28.7%
24.7%	6,567	8,288	1,721	26.2%
25.9%	6,538	8,223	1,684	25.8%
27.2%	6,532	8,067	1,536	23.5%
28.4%	6,369	7,888	1,519	23.9%
29.6%	6,229	7,778	1,549	24.9%
30.9%	6,227	7,593	1,366	21.9%
32.1%	6,017	7,455	1,437	23.9%
33.3%	5,920	7,444	1,524	25.7%
34.6%	5,886	7,431	1,545	26.2%
35.8%	5,869	7,312	1,443	24.6%
37.0%	5,809	7,243	1,434	24.7%
38.3%	5,806	7,001	1,195	20.6%
39.5%	5,792	6,982	1,190	20.5%
40.7%	5,733	6,905	1,172	20.4%
42.0%	5,697	6,885	1,188	20.9%
43.2%	5,636	6,815	1,180	20.9%
44.4%	5,548	6,772	1,224	22.1%
45.7%	5,526	6,750	1,223	22.1%
46.9%	5,462	6,722	1,260	23.1%
48.1%	5,385	6,614	1,229	22.8%
49.4%	5,384	6,568	1,184	22.0%
50.6%	5,334	6,503	1,169	21.9%
51.9%	5,287	6,353	1,066	20.2%
53.1%	5,257	6,324	1,067	20.3%
54.3%	5,194	6,126	932	18.0%
55.6%	5,163	6,041	878	17.0%
56.8%	5,158	5,970	811	15.7%
58.0%	5,154	5,957	803	15.6%
59.3%	5,152	5,794	642	12.5%
60.5%	5,130	5,751	621	12.1%
61.7%	5,115	5,723	608	11.9%
63.0%	5,113	5,640	527	10.3%
64.2%	5,107	5,514	407	8.0%
65.4%	5,103	5,487	384	7.5%
66.7%	5,097	5,480	383	7.5%
67.9%	5,058	5,473	415	8.2%
69.1%	5,050	5,382	332	6.6%
70.4%	5,045	5,371	326	6.5%
71.6%	5,037	5,291	255	5.1%
72.8%	5,025	5,282	257	5.1%
74.1%	5,022	5,263	240	4.8%
75.3%	5,012	5,157	144	2.9%
76.5%	5,005	5,152	147	2.9%
77.8%	4,966	5,122	155	3.1%
79.0%	4,957	5,113	157	3.2%
80.2%	4,937	5,078	141	2.9%
81.5%	4,927	5,033	106	2.1%
82.7%	4,570	5,025	454	9.9%
84.0%	4,544	5,013	468	10.3%
85.2%	4,533	5,012	480	10.6%
86.4%	4,523	5,000	477	10.5%
87.7%	4,520	5,000	480	10.6%
88.9%	4,507	5,000	493	10.9%
90.1%	4,395	4,994	599	13.6%
91.4%	4,364	4,927	564	12.9%
92.6%	4,064	4,876	812	20.0%
93.8%	4,026	4,763	736	18.3%
95.1%	3,701	4,744	1,043	28.2%
96.3%	3,544	4,523	980	27.6%
97.5%	3,504	4,507	1,003	28.6%
98.8%	3,378	4,206	828	24.5%
100.0%	3,169	3,934	765	24.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,378	-272	-1.3%
1.2%	20,042	19,900	-142	-0.7%
2.5%	18,479	18,935	456	2.5%
3.7%	18,060	18,032	-28	-0.2%
4.9%	16,907	14,606	-2,301	-13.6%
6.2%	16,004	14,168	-1,836	-11.5%
7.4%	13,533	13,834	301	2.2%
8.6%	13,032	13,603	571	4.4%
9.9%	12,953	13,466	513	4.0%
11.1%	12,933	13,190	258	2.0%
12.3%	12,559	12,825	267	2.1%
13.6%	12,496	12,333	-163	-1.3%
14.8%	12,256	12,182	-74	-0.6%
16.0%	11,882	12,178	297	2.5%
17.3%	11,675	12,175	501	4.3%
18.5%	11,635	12,175	540	4.6%
19.8%	11,627	11,875	248	2.1%
21.0%	11,290	11,764	474	4.2%
22.2%	11,086	11,695	609	5.5%
23.5%	10,908	11,555	647	5.9%
24.7%	10,558	11,418	861	8.2%
25.9%	10,447	11,412	966	9.2%
27.2%	10,284	11,391	1,107	10.8%
28.4%	10,226	11,266	1,040	10.2%
29.6%	10,088	11,242	1,153	11.4%
30.9%	9,970	11,103	1,133	11.4%
32.1%	9,622	11,085	1,463	15.2%
33.3%	9,429	11,025	1,596	16.9%
34.6%	9,356	10,988	1,632	17.4%
35.8%	9,281	10,699	1,417	15.3%
37.0%	8,876	10,476	1,600	18.0%
38.3%	8,823	10,413	1,590	18.0%
39.5%	8,680	10,288	1,608	18.5%
40.7%	8,618	9,885	1,267	14.7%
42.0%	8,367	9,838	1,471	17.6%
43.2%	8,350	9,680	1,330	15.9%
44.4%	8,338	9,500	1,162	13.9%
45.7%	8,284	9,379	1,095	13.2%
46.9%	7,616	9,230	1,614	21.2%
48.1%	7,616	8,886	1,271	16.7%
49.4%	7,558	8,610	1,052	13.9%
50.6%	7,369	8,384	1,015	13.8%
51.9%	7,242	8,335	1,093	15.1%
53.1%	7,212	8,181	969	13.4%
54.3%	7,154	8,059	905	12.6%
55.6%	7,074	8,008	933	13.2%
56.8%	6,920	7,936	1,015	14.7%
58.0%	6,835	7,915	1,081	15.8%
59.3%	6,601	7,897	1,296	19.6%
60.5%	6,584	7,880	1,297	19.7%
61.7%	6,511	7,872	1,361	20.9%
63.0%	6,458	7,323	866	13.4%
64.2%	6,447	7,138	691	10.7%
65.4%	6,133	7,037	904	14.7%
66.7%	5,911	6,928	1,017	17.2%
67.9%	5,890	6,734	844	14.3%
69.1%	5,877	6,628	751	12.8%
70.4%	5,743	6,508	765	13.3%
71.6%	5,587	6,443	856	15.3%
72.8%	5,581	6,293	711	12.7%
74.1%	5,512	6,154	642	11.6%
75.3%	5,399	5,877	478	8.9%
76.5%	5,188	5,837	649	12.5%
77.8%	5,102	5,826	724	14.2%
79.0%	4,906	5,707	801	16.3%
80.2%	4,788	5,497	709	14.8%
81.5%	4,734	5,432	697	14.7%
82.7%	4,665	5,218	553	11.9%
84.0%	4,619	5,069	450	9.7%
85.2%	4,586	5,014	427	9.3%
86.4%	4,575	4,967	392	8.6%
87.7%	4,551	4,867	316	6.9%
88.9%	4,529	4,852	323	7.1%
90.1%	4,511	4,808	297	6.6%
91.4%	4,364	4,787	423	9.7%
92.6%	4,173	4,655	482	11.6%
93.8%	4,014	4,619	604	15.1%
95.1%	3,915	4,586	671	17.1%
96.3%	3,588	4,481	893	24.9%
97.5%	3,570	4,178	608	17.0%
98.8%	3,552	3,909	357	10.1%
100.0%	3,537	3,907	370	10.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,631	14	0.1%
1.2%	22,254	22,163	-92	-0.4%
2.5%	21,692	21,646	-46	-0.2%
3.7%	21,468	21,566	98	0.5%
4.9%	21,444	21,226	-218	-1.0%
6.2%	21,229	21,177	-52	-0.2%
7.4%	21,200	21,042	-158	-0.7%
8.6%	21,154	20,848	-306	-1.4%
9.9%	20,890	20,827	-63	-0.3%
11.1%	20,878	20,665	-214	-1.0%
12.3%	20,818	20,472	-346	-1.7%
13.6%	20,743	20,160	-583	-2.8%
14.8%	20,406	19,829	-578	-2.8%
16.0%	20,305	19,700	-605	-3.0%
17.3%	19,691	19,685	-6	0.0%
18.5%	19,602	19,160	-442	-2.3%
19.8%	19,458	18,759	-699	-3.6%
21.0%	19,330	18,708	-622	-3.2%
22.2%	18,426	18,219	-207	-1.1%
23.5%	18,156	18,045	-111	-0.6%
24.7%	17,466	18,010	545	3.1%
25.9%	16,533	15,611	-922	-5.6%
27.2%	16,196	14,451	-1,745	-10.8%
28.4%	15,551	13,842	-1,709	-11.0%
29.6%	15,193	13,294	-1,899	-12.5%
30.9%	14,165	12,063	-2,102	-14.8%
32.1%	13,413	11,985	-1,429	-10.7%
33.3%	12,995	11,729	-1,266	-9.7%
34.6%	12,850	11,696	-1,155	-9.0%
35.8%	12,755	11,213	-1,542	-12.1%
37.0%	12,736	10,285	-2,452	-19.2%
38.3%	12,660	10,280	-2,380	-18.8%
39.5%	12,449	9,801	-2,648	-21.3%
40.7%	12,123	9,782	-2,341	-19.3%
42.0%	12,021	9,747	-2,275	-18.9%
43.2%	11,784	9,707	-2,077	-17.6%
44.4%	10,893	9,617	-1,276	-11.7%
45.7%	9,459	9,192	-267	-2.8%
46.9%	9,420	8,959	-461	-4.9%
48.1%	9,056	8,937	-119	-1.3%
49.4%	9,004	8,934	-70	-0.8%
50.6%	8,792	8,791	-1	0.0%
51.9%	8,762	8,515	-246	-2.8%
53.1%	8,247	8,478	231	2.8%
54.3%	8,131	8,440	309	3.8%
55.6%	8,107	8,166	59	0.7%
56.8%	7,777	7,907	130	1.7%
58.0%	7,741	7,803	62	0.8%
59.3%	7,552	7,696	144	1.9%
60.5%	7,522	7,630	108	1.4%
61.7%	7,487	7,611	123	1.6%
63.0%	7,226	7,548	321	4.4%
64.2%	6,494	7,340	846	13.0%
65.4%	6,413	7,337	924	14.4%
66.7%	6,363	7,334	971	15.3%
67.9%	6,239	7,257	1,019	16.3%
69.1%	6,070	7,166	1,096	18.1%
70.4%	6,023	7,023	1,000	16.6%
71.6%	5,894	7,003	1,109	18.8%
72.8%	5,826	6,962	1,136	19.5%
74.1%	5,803	6,836	1,032	17.8%
75.3%	5,746	6,726	980	17.0%
76.5%	5,738	6,682	944	16.4%
77.8%	5,663	6,519	856	15.1%
79.0%	5,567	6,512	945	17.0%
80.2%	5,523	6,508	984	17.8%
81.5%	5,512	6,500	988	17.9%
82.7%	5,346	6,313	967	18.1%
84.0%	5,311	6,059	747	14.1%
85.2%	5,269	5,922	654	12.4%
86.4%	5,206	5,781	576	11.1%
87.7%	5,003	5,748	745	14.9%
88.9%	4,821	5,603	781	16.2%
90.1%	4,796	5,481	685	14.3%
91.4%	4,749	5,392	643	13.5%
92.6%	4,697	5,315	618	13.1%
93.8%	4,616	5,211	596	12.9%
95.1%	4,593	5,016	423	9.2%
96.3%	4,539	4,761	223	4.9%
97.5%	4,388	4,726	338	7.7%
98.8%	4,221	4,710	489	11.6%
100.0%	3,981	4,619	638	16.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,795	23,818	23	0.1%
1.2%	23,070	23,088	18	0.1%
2.5%	23,019	22,925	-94	-0.4%
3.7%	22,987	22,863	-125	-0.5%
4.9%	22,751	22,771	20	0.1%
6.2%	22,593	22,629	36	0.2%
7.4%	22,507	22,494	-14	-0.1%
8.6%	22,479	22,200	-278	-1.2%
9.9%	21,738	21,612	-126	-0.6%
11.1%	21,620	21,549	-71	-0.3%
12.3%	21,608	21,506	-103	-0.5%
13.6%	21,536	21,336	-200	-0.9%
14.8%	21,427	21,226	-201	-0.9%
16.0%	21,345	21,130	-215	-1.0%
17.3%	21,234	21,017	-217	-1.0%
18.5%	21,172	20,958	-213	-1.0%
19.8%	21,072	20,934	-137	-0.7%
21.0%	21,054	20,922	-132	-0.6%
22.2%	20,989	20,481	-509	-2.4%
23.5%	20,834	20,338	-496	-2.4%
24.7%	20,754	20,082	-671	-3.2%
25.9%	20,384	19,353	-1,031	-5.1%
27.2%	20,117	19,141	-976	-4.9%
28.4%	19,677	19,086	-591	-3.0%
29.6%	19,262	18,612	-650	-3.4%
30.9%	18,844	18,487	-358	-1.9%
32.1%	18,464	18,086	-378	-2.0%
33.3%	18,346	18,007	-338	-1.8%
34.6%	18,219	16,298	-1,921	-10.5%
35.8%	18,164	15,586	-2,578	-14.2%
37.0%	18,003	15,322	-2,680	-14.9%
38.3%	17,856	13,932	-3,923	-22.0%
39.5%	16,980	13,578	-3,402	-20.0%
40.7%	16,316	12,815	-3,501	-21.5%
42.0%	16,138	12,540	-3,598	-22.3%
43.2%	15,553	12,288	-3,265	-21.0%
44.4%	15,429	12,132	-3,297	-21.4%
45.7%	15,396	12,051	-3,345	-21.7%
46.9%	12,859	11,545	-1,313	-10.2%
48.1%	12,197	10,960	-1,237	-10.1%
49.4%	11,335	9,813	-1,521	-13.4%
50.6%	11,313	9,016	-2,298	-20.3%
51.9%	11,211	8,840	-2,371	-21.1%
53.1%	11,002	8,685	-2,317	-21.1%
54.3%	10,761	8,675	-2,086	-19.4%
55.6%	10,745	8,605	-2,140	-19.9%
56.8%	10,687	8,513	-2,174	-20.3%
58.0%	10,628	8,510	-2,118	-19.9%
59.3%	10,212	8,450	-1,763	-17.3%
60.5%	9,771	8,305	-1,467	-15.0%
61.7%	9,569	8,268	-1,301	-13.6%
63.0%	9,300	8,200	-1,100	-11.8%
64.2%	9,236	8,157	-1,080	-11.7%
65.4%	8,955	8,124	-831	-9.3%
66.7%	8,588	7,915	-673	-7.8%
67.9%	8,424	7,871	-553	-6.6%
69.1%	8,350	7,694	-656	-7.9%
70.4%	8,056	7,676	-380	-4.7%
71.6%	7,892	7,637	-256	-3.2%
72.8%	7,730	7,618	-112	-1.5%
74.1%	7,675	7,464	-211	-2.7%
75.3%	7,648	7,434	-214	-2.8%
76.5%	7,565	7,398	-167	-2.2%
77.8%	7,538	7,362	-176	-2.3%
79.0%	7,274	7,264	-10	-0.1%
80.2%	7,264	7,086	-178	-2.5%
81.5%	6,907	7,019	112	1.6%
82.7%	6,863	7,017	153	2.2%
84.0%	6,852	6,991	140	2.0%
85.2%	6,783	6,895	112	1.7%
86.4%	6,765	6,891	125	1.9%
87.7%	6,583	6,872	289	4.4%
88.9%	6,248	6,662	414	6.6%
90.1%	6,237	6,591	353	5.7%
91.4%	6,016	6,532	516	8.6%
92.6%	6,008	6,144	136	2.3%
93.8%	5,639	6,100	461	8.2%
95.1%	5,568	6,058	490	8.8%
96.3%	5,458	6,026	569	10.4%
97.5%	5,419	6,008	589	10.9%
98.8%	5,295	5,997	702	13.3%
100.0%	5,029	4,523	-506	-10.1%

Table SW-15-3b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,355	24,329	-26	-0.1%
1.2%	24,267	24,254	-13	-0.1%
2.5%	23,722	23,885	162	0.7%
3.7%	23,248	23,246	-2	0.0%
4.9%	23,019	23,042	23	0.1%
6.2%	22,972	22,929	-43	-0.2%
7.4%	22,868	22,886	18	0.1%
8.6%	22,677	22,656	-21	-0.1%
9.9%	22,478	22,454	-24	-0.1%
11.1%	22,455	22,416	-39	-0.2%
12.3%	22,274	22,210	-64	-0.3%
13.6%	22,200	22,175	-25	-0.1%
14.8%	22,087	21,889	-198	-0.9%
16.0%	21,522	21,492	-30	-0.1%
17.3%	21,504	21,425	-79	-0.4%
18.5%	21,423	21,287	-136	-0.6%
19.8%	21,367	21,197	-171	-0.8%
21.0%	21,318	21,141	-178	-0.8%
22.2%	21,238	21,096	-142	-0.7%
23.5%	21,123	21,060	-62	-0.3%
24.7%	20,980	20,923	-56	-0.3%
25.9%	20,904	20,923	19	0.1%
27.2%	20,771	20,784	13	0.1%
28.4%	20,649	20,432	-216	-1.0%
29.6%	20,624	20,338	-286	-1.4%
30.9%	20,600	19,793	-807	-3.9%
32.1%	20,580	19,709	-871	-4.2%
33.3%	20,442	19,317	-1,125	-5.5%
34.6%	20,263	19,307	-956	-4.7%
35.8%	20,141	19,252	-889	-4.4%
37.0%	20,091	19,223	-868	-4.3%
38.3%	19,742	18,969	-773	-3.9%
39.5%	19,719	18,818	-901	-4.6%
40.7%	19,692	18,743	-950	-4.8%
42.0%	19,353	18,316	-1,037	-5.4%
43.2%	19,047	17,978	-1,069	-5.6%
44.4%	18,395	17,414	-981	-5.3%
45.7%	18,052	16,946	-1,107	-6.1%
46.9%	17,673	15,975	-1,698	-9.6%
48.1%	17,315	15,867	-1,448	-8.4%
49.4%	17,047	15,323	-1,724	-10.1%
50.6%	16,177	14,570	-1,607	-9.9%
51.9%	15,967	13,512	-2,455	-15.4%
53.1%	15,324	13,231	-2,092	-13.7%
54.3%	13,886	11,963	-1,923	-13.9%
55.6%	13,866	11,737	-2,129	-15.4%
56.8%	13,752	11,645	-2,107	-15.3%
58.0%	13,493	11,257	-2,236	-16.6%
59.3%	13,429	11,054	-2,375	-17.7%
60.5%	12,628	10,331	-2,297	-18.2%
61.7%	12,554	9,832	-2,722	-21.7%
63.0%	12,370	9,584	-2,786	-22.5%
64.2%	11,680	9,580	-2,101	-18.0%
65.4%	11,503	9,560	-1,943	-16.9%
66.7%	11,489	9,304	-2,185	-19.0%
67.9%	11,325	9,164	-2,161	-19.1%
69.1%	11,230	9,164	-2,066	-18.4%
70.4%	10,961	9,059	-1,902	-17.4%
71.6%	10,804	8,780	-2,023	-18.7%
72.8%	10,180	8,762	-1,418	-13.9%
74.1%	9,955	8,577	-1,378	-13.8%
75.3%	9,524	8,544	-980	-10.3%
76.5%	9,280	8,517	-762	-8.2%
77.8%	8,431	8,388	-43	-0.5%
79.0%	8,152	8,275	123	1.5%
80.2%	7,791	7,684	-107	-1.4%
81.5%	7,574	7,649	75	1.0%
82.7%	7,572	7,341	-231	-3.1%
84.0%	7,432	7,324	-108	-1.5%
85.2%	7,267	7,313	47	0.6%
86.4%	6,792	7,182	390	5.7%
87.7%	6,730	6,970	241	3.6%
88.9%	6,715	6,959	244	3.6%
90.1%	6,479	6,746	267	4.1%
91.4%	6,387	6,635	248	3.9%
92.6%	6,098	6,076	-22	-0.4%
93.8%	6,062	6,028	-35	-0.6%
95.1%	5,422	5,450	28	0.5%
96.3%	5,025	5,448	423	8.4%
97.5%	4,934	5,341	407	8.2%
98.8%	4,760	5,042	282	5.9%
100.0%	4,735	4,892	157	3.3%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,114	24,116	2	0.0%
1.2%	23,715	23,542	-172	-0.7%
2.5%	23,222	23,225	2	0.0%
3.7%	22,672	22,663	-8	0.0%
4.9%	22,243	22,250	8	0.0%
6.2%	21,973	21,833	-140	-0.6%
7.4%	21,871	21,555	-316	-1.4%
8.6%	21,557	21,541	-16	-0.1%
9.9%	21,542	21,323	-219	-1.0%
11.1%	21,326	21,209	-118	-0.6%
12.3%	21,317	20,986	-331	-1.6%
13.6%	21,018	20,922	-96	-0.5%
14.8%	20,719	20,603	-116	-0.6%
16.0%	20,694	20,554	-139	-0.7%
17.3%	20,595	20,284	-311	-1.5%
18.5%	20,281	20,222	-59	-0.3%
19.8%	20,214	20,187	-27	-0.1%
21.0%	20,063	20,101	38	0.2%
22.2%	20,026	19,619	-407	-2.0%
23.5%	19,620	19,448	-173	-0.9%
24.7%	19,605	19,433	-172	-0.9%
25.9%	19,539	19,417	-122	-0.6%
27.2%	19,455	18,630	-825	-4.2%
28.4%	19,348	18,277	-1,071	-5.5%
29.6%	18,513	18,126	-388	-2.1%
30.9%	18,486	18,047	-438	-2.4%
32.1%	18,028	16,002	-2,026	-11.2%
33.3%	17,795	15,885	-1,909	-10.7%
34.6%	17,667	15,783	-1,885	-10.7%
35.8%	17,076	15,559	-1,518	-8.9%
37.0%	17,021	15,393	-1,628	-9.6%
38.3%	16,653	14,589	-2,064	-12.4%
39.5%	16,398	14,581	-1,818	-11.1%
40.7%	15,882	13,996	-1,886	-11.9%
42.0%	15,869	13,493	-2,377	-15.0%
43.2%	15,812	12,566	-3,246	-20.5%
44.4%	15,547	12,250	-3,297	-21.2%
45.7%	15,538	12,110	-3,428	-22.1%
46.9%	14,946	12,108	-2,838	-19.0%
48.1%	14,731	11,573	-3,158	-21.4%
49.4%	14,553	11,276	-3,276	-22.5%
50.6%	14,542	11,165	-3,378	-23.2%
51.9%	13,982	11,113	-2,869	-20.5%
53.1%	13,479	11,073	-2,406	-17.8%
54.3%	13,057	10,620	-2,437	-18.7%
55.6%	12,991	10,231	-2,760	-21.2%
56.8%	12,579	10,122	-2,458	-19.5%
58.0%	12,513	9,873	-2,640	-21.1%
59.3%	11,813	9,619	-2,194	-18.6%
60.5%	11,306	9,245	-2,061	-18.2%
61.7%	11,129	8,891	-2,238	-20.1%
63.0%	10,462	8,674	-1,788	-17.1%
64.2%	10,130	8,671	-1,459	-14.4%
65.4%	9,959	8,227	-1,732	-17.4%
66.7%	9,830	8,197	-1,632	-16.6%
67.9%	9,665	8,145	-1,520	-15.7%
69.1%	9,613	8,139	-1,474	-15.3%
70.4%	9,582	8,090	-1,492	-15.6%
71.6%	9,391	8,069	-1,323	-14.1%
72.8%	9,358	8,051	-1,307	-14.0%
74.1%	9,358	7,655	-1,703	-18.2%
75.3%	8,902	7,623	-1,279	-14.4%
76.5%	8,846	7,377	-1,469	-16.6%
77.8%	8,838	7,340	-1,498	-17.0%
79.0%	8,768	7,310	-1,458	-16.6%
80.2%	8,684	7,115	-1,569	-18.1%
81.5%	8,044	6,954	-1,090	-13.5%
82.7%	7,888	6,716	-1,173	-14.9%
84.0%	7,729	6,636	-1,094	-14.2%
85.2%	7,507	6,620	-887	-11.8%
86.4%	7,499	6,513	-986	-13.2%
87.7%	7,278	6,454	-824	-11.3%
88.9%	6,573	6,386	-187	-2.8%
90.1%	6,128	6,134	6	0.1%
91.4%	5,946	6,082	135	2.3%
92.6%	5,636	5,957	321	5.7%
93.8%	5,576	5,623	47	0.8%
95.1%	5,439	5,451	12	0.2%
96.3%	5,408	5,306	-101	-1.9%
97.5%	5,241	5,262	21	0.4%
98.8%	5,234	5,248	14	0.3%
100.0%	4,883	5,238	356	7.3%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,506	-1	0.0%
1.2%	21,096	21,104	9	0.0%
2.5%	20,914	20,921	7	0.0%
3.7%	20,459	20,457	-2	0.0%
4.9%	20,290	20,293	3	0.0%
6.2%	18,928	18,792	-137	-0.7%
7.4%	18,785	18,675	-111	-0.6%
8.6%	18,671	18,589	-83	-0.4%
9.9%	18,588	18,174	-414	-2.2%
11.1%	17,944	17,944	0	0.0%
12.3%	17,703	17,634	-70	-0.4%
13.6%	17,629	17,371	-259	-1.5%
14.8%	17,454	17,002	-452	-2.6%
16.0%	17,392	16,927	-465	-2.7%
17.3%	17,206	16,601	-605	-3.5%
18.5%	16,912	16,270	-643	-3.8%
19.8%	16,281	16,106	-175	-1.1%
21.0%	15,000	13,335	-1,665	-11.1%
22.2%	14,374	12,888	-1,486	-10.3%
23.5%	13,642	12,868	-774	-5.7%
24.7%	13,328	11,097	-2,231	-16.7%
25.9%	12,902	10,824	-2,079	-16.1%
27.2%	10,968	10,444	-524	-4.8%
28.4%	9,520	9,232	-288	-3.0%
29.6%	9,122	9,110	-12	-0.1%
30.9%	9,038	8,939	-100	-1.1%
32.1%	8,835	8,548	-288	-3.3%
33.3%	8,573	7,491	-1,082	-12.6%
34.6%	7,855	6,568	-1,286	-16.4%
35.8%	7,736	6,522	-1,214	-15.7%
37.0%	6,519	6,395	-124	-1.9%
38.3%	6,472	6,271	-201	-3.1%
39.5%	6,271	6,167	-104	-1.7%
40.7%	6,087	6,166	79	1.3%
42.0%	6,084	6,052	-32	-0.5%
43.2%	5,921	5,990	69	1.2%
44.4%	5,866	5,985	119	2.0%
45.7%	5,784	5,955	171	3.0%
46.9%	5,618	5,726	107	1.9%
48.1%	5,545	5,545	0	0.0%
49.4%	5,504	5,539	35	0.6%
50.6%	5,482	5,482	0	0.0%
51.9%	5,459	5,459	0	0.0%
53.1%	5,439	5,439	0	0.0%
54.3%	5,368	5,427	60	1.1%
55.6%	5,340	5,424	85	1.6%
56.8%	5,333	5,420	87	1.6%
58.0%	5,308	5,373	65	1.2%
59.3%	5,276	5,368	92	1.7%
60.5%	5,232	5,351	119	2.3%
61.7%	5,213	5,343	129	2.5%
63.0%	5,195	5,340	144	2.8%
64.2%	5,161	5,308	147	2.8%
65.4%	5,146	5,283	137	2.7%
66.7%	5,144	5,283	139	2.7%
67.9%	5,039	5,276	237	4.7%
69.1%	5,027	5,195	169	3.4%
70.4%	4,977	5,177	199	4.0%
71.6%	4,927	5,161	234	4.7%
72.8%	4,920	5,146	226	4.6%
74.1%	4,896	5,109	212	4.3%
75.3%	4,851	5,041	190	3.9%
76.5%	4,783	4,960	177	3.7%
77.8%	4,744	4,896	152	3.2%
79.0%	4,625	4,744	120	2.6%
80.2%	4,614	4,645	31	0.7%
81.5%	4,609	4,600	-9	-0.2%
82.7%	4,582	4,582	0	0.0%
84.0%	4,358	4,446	88	2.0%
85.2%	4,300	4,220	-80	-1.9%
86.4%	4,220	4,150	-70	-1.7%
87.7%	4,085	4,134	49	1.2%
88.9%	3,972	4,085	113	2.8%
90.1%	3,856	3,932	76	2.0%
91.4%	3,792	3,928	136	3.6%
92.6%	3,635	3,879	244	6.7%
93.8%	3,629	3,703	74	2.0%
95.1%	3,586	3,635	49	1.4%
96.3%	3,581	3,633	53	1.5%
97.5%	3,462	3,586	124	3.6%
98.8%	3,394	3,581	187	5.5%
100.0%	3,285	3,285	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,519	19,524	5	0.0%
1.2%	18,691	18,666	-25	-0.1%
2.5%	18,499	18,509	10	0.1%
3.7%	17,681	17,685	4	0.0%
4.9%	17,158	17,142	-15	-0.1%
6.2%	16,778	16,756	-23	-0.1%
7.4%	15,419	15,331	-87	-0.6%
8.6%	15,095	12,906	-2,190	-14.5%
9.9%	12,977	12,385	-592	-4.6%
11.1%	12,550	12,093	-457	-3.6%
12.3%	11,943	11,789	-154	-1.3%
13.6%	11,782	11,467	-315	-2.7%
14.8%	11,467	11,131	-336	-2.9%
16.0%	11,219	9,793	-1,427	-12.7%
17.3%	10,271	9,486	-785	-7.6%
18.5%	9,048	9,046	-2	0.0%
19.8%	8,998	8,541	-458	-5.1%
21.0%	8,575	8,128	-447	-5.2%
22.2%	8,474	7,834	-640	-7.6%
23.5%	7,901	7,621	-280	-3.5%
24.7%	7,593	7,603	10	0.1%
25.9%	7,237	7,569	332	4.6%
27.2%	7,211	7,153	-58	-0.8%
28.4%	6,049	7,087	1,038	17.2%
29.6%	5,875	6,970	1,095	18.6%
30.9%	5,857	6,959	1,102	18.8%
32.1%	5,829	6,355	526	9.0%
33.3%	5,723	5,839	116	2.0%
34.6%	5,551	5,712	162	2.9%
35.8%	5,510	5,667	157	2.9%
37.0%	5,453	5,538	85	1.6%
38.3%	5,432	5,508	76	1.4%
39.5%	5,385	5,467	82	1.5%
40.7%	5,315	5,385	70	1.3%
42.0%	5,254	5,364	110	2.1%
43.2%	5,228	5,315	86	1.7%
44.4%	5,215	5,254	39	0.8%
45.7%	5,196	5,233	37	0.7%
46.9%	5,186	5,228	43	0.8%
48.1%	5,171	5,227	55	1.1%
49.4%	5,171	5,215	44	0.9%
50.6%	5,130	5,196	66	1.3%
51.9%	5,129	5,186	57	1.1%
53.1%	5,113	5,176	62	1.2%
54.3%	5,108	5,171	63	1.2%
55.6%	5,090	5,165	75	1.5%
56.8%	4,956	5,130	173	3.5%
58.0%	4,941	5,129	187	3.8%
59.3%	4,799	5,108	309	6.4%
60.5%	4,772	5,090	318	6.7%
61.7%	4,733	5,077	344	7.3%
63.0%	4,676	5,050	375	8.0%
64.2%	4,667	5,000	333	7.1%
65.4%	4,665	4,956	292	6.3%
66.7%	4,657	4,941	284	6.1%
67.9%	4,601	4,921	320	7.0%
69.1%	4,593	4,799	206	4.5%
70.4%	4,577	4,772	195	4.3%
71.6%	4,550	4,667	116	2.6%
72.8%	4,421	4,657	236	5.3%
74.1%	4,382	4,611	229	5.2%
75.3%	4,362	4,601	240	5.5%
76.5%	4,324	4,593	268	6.2%
77.8%	4,168	4,555	387	9.3%
79.0%	4,163	4,470	307	7.4%
80.2%	4,145	4,324	179	4.3%
81.5%	4,111	4,264	154	3.7%
82.7%	4,070	4,213	143	3.5%
84.0%	4,059	4,168	109	2.7%
85.2%	3,937	4,145	209	5.3%
86.4%	3,857	4,115	257	6.7%
87.7%	3,850	4,059	210	5.4%
88.9%	3,792	3,974	182	4.8%
90.1%	3,790	3,888	97	2.6%
91.4%	3,778	3,792	13	0.4%
92.6%	3,733	3,774	40	1.1%
93.8%	3,707	3,707	0	0.0%
95.1%	3,583	3,678	95	2.7%
96.3%	3,409	3,583	174	5.1%
97.5%	3,377	3,409	31	0.9%
98.8%	3,319	3,377	58	1.7%
100.0%	3,272	3,319	48	1.5%

Table SW-15-3b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,846	-37	-0.2%
1.2%	15,258	15,271	13	0.1%
2.5%	11,055	9,355	-1,701	-15.4%
3.7%	8,139	9,280	1,141	14.0%
4.9%	7,942	8,468	527	6.6%
6.2%	7,852	7,994	142	1.8%
7.4%	7,553	7,980	427	5.7%
8.6%	7,551	7,898	347	4.6%
9.9%	7,416	7,691	274	3.7%
11.1%	7,298	7,656	358	4.9%
12.3%	7,129	7,603	474	6.7%
13.6%	7,032	7,131	99	1.4%
14.8%	6,998	7,011	14	0.2%
16.0%	6,922	7,009	87	1.2%
17.3%	6,598	6,879	281	4.3%
18.5%	6,498	6,823	325	5.0%
19.8%	6,458	6,780	322	5.0%
21.0%	6,321	6,741	421	6.7%
22.2%	6,176	6,714	538	8.7%
23.5%	6,041	6,709	668	11.1%
24.7%	5,934	6,686	751	12.7%
25.9%	5,793	6,581	787	13.6%
27.2%	5,717	6,480	762	13.3%
28.4%	5,585	6,385	800	14.3%
29.6%	5,580	6,308	728	13.0%
30.9%	5,577	6,235	658	11.8%
32.1%	5,502	6,165	664	12.1%
33.3%	5,448	6,051	603	11.1%
34.6%	5,441	6,044	603	11.1%
35.8%	5,427	5,981	554	10.2%
37.0%	5,424	5,918	494	9.1%
38.3%	5,409	5,861	452	8.3%
39.5%	5,342	5,799	457	8.5%
40.7%	5,332	5,787	455	8.5%
42.0%	5,316	5,782	466	8.8%
43.2%	5,307	5,712	405	7.6%
44.4%	5,302	5,706	404	7.6%
45.7%	5,268	5,566	298	5.7%
46.9%	5,265	5,554	288	5.5%
48.1%	5,247	5,550	303	5.8%
49.4%	5,236	5,549	313	6.0%
50.6%	5,235	5,535	300	5.7%
51.9%	5,214	5,508	294	5.6%
53.1%	5,206	5,490	284	5.5%
54.3%	5,204	5,471	267	5.1%
55.6%	5,196	5,441	245	4.7%
56.8%	5,173	5,428	255	4.9%
58.0%	5,159	5,424	264	5.1%
59.3%	5,155	5,342	187	3.6%
60.5%	5,145	5,332	187	3.6%
61.7%	5,144	5,302	158	3.1%
63.0%	5,132	5,268	135	2.6%
64.2%	5,131	5,251	121	2.3%
65.4%	5,128	5,242	114	2.2%
66.7%	5,124	5,238	115	2.2%
67.9%	5,110	5,235	125	2.4%
69.1%	5,098	5,228	129	2.5%
70.4%	5,092	5,214	122	2.4%
71.6%	5,066	5,203	137	2.7%
72.8%	4,793	5,155	362	7.6%
74.1%	4,782	5,150	368	7.7%
75.3%	4,777	5,144	366	7.7%
76.5%	4,751	5,132	381	8.0%
77.8%	4,703	5,128	425	9.0%
79.0%	4,657	5,110	453	9.7%
80.2%	4,632	5,091	459	9.9%
81.5%	4,591	5,064	473	10.3%
82.7%	4,584	5,000	416	9.1%
84.0%	4,582	5,000	418	9.1%
85.2%	4,347	5,000	653	15.0%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	4,913	745	17.9%
88.9%	4,141	4,900	759	18.3%
90.1%	4,126	4,793	667	16.2%
91.4%	4,085	4,729	644	15.8%
92.6%	3,996	4,548	553	13.8%
93.8%	3,752	4,249	497	13.3%
95.1%	3,738	4,159	420	11.2%
96.3%	3,661	4,141	481	13.1%
97.5%	3,598	4,101	503	14.0%
98.8%	3,585	3,729	143	4.0%
100.0%	3,524	3,598	74	2.1%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	12,259	609	5.2%
1.2%	10,665	11,788	1,123	10.5%
2.5%	9,065	11,499	2,434	26.9%
3.7%	8,998	11,458	2,460	27.3%
4.9%	8,814	11,454	2,640	30.0%
6.2%	8,794	11,161	2,367	26.9%
7.4%	8,593	11,124	2,530	29.4%
8.6%	8,544	10,945	2,401	28.1%
9.9%	8,502	10,922	2,420	28.5%
11.1%	8,462	10,878	2,417	28.6%
12.3%	8,410	10,861	2,451	29.2%
13.6%	8,317	10,678	2,360	28.4%
14.8%	8,304	10,438	2,134	25.7%
16.0%	8,218	10,204	1,986	24.2%
17.3%	8,192	10,085	1,893	23.1%
18.5%	8,177	10,080	1,904	23.3%
19.8%	8,035	10,047	2,012	25.0%
21.0%	8,021	9,940	1,920	23.9%
22.2%	7,938	9,938	2,000	25.2%
23.5%	7,866	9,841	1,975	25.1%
24.7%	7,837	9,645	1,808	23.1%
25.9%	7,833	9,305	1,472	18.8%
27.2%	7,774	9,281	1,507	19.4%
28.4%	7,683	9,173	1,490	19.4%
29.6%	7,681	9,051	1,370	17.8%
30.9%	7,661	9,037	1,375	18.0%
32.1%	7,521	8,890	1,369	18.2%
33.3%	7,520	8,829	1,309	17.4%
34.6%	7,498	8,788	1,290	17.2%
35.8%	7,494	8,689	1,195	15.9%
37.0%	7,477	8,686	1,209	16.2%
38.3%	7,365	8,671	1,306	17.7%
39.5%	7,362	8,659	1,297	17.6%
40.7%	7,313	8,624	1,311	17.9%
42.0%	7,241	8,618	1,377	19.0%
43.2%	7,205	8,498	1,293	17.9%
44.4%	7,045	8,455	1,410	20.0%
45.7%	6,831	8,427	1,596	23.4%
46.9%	6,678	8,394	1,717	25.7%
48.1%	6,661	8,387	1,726	25.9%
49.4%	6,629	8,369	1,740	26.2%
50.6%	6,624	8,343	1,719	25.9%
51.9%	6,592	8,314	1,722	26.1%
53.1%	6,582	8,248	1,666	25.3%
54.3%	6,530	8,236	1,706	26.1%
55.6%	6,483	8,197	1,714	26.4%
56.8%	6,278	8,115	1,837	29.3%
58.0%	6,268	8,039	1,771	28.3%
59.3%	6,017	7,853	1,836	30.5%
60.5%	6,015	7,846	1,831	30.4%
61.7%	5,970	7,793	1,823	30.5%
63.0%	5,820	7,775	1,955	33.6%
64.2%	5,758	7,613	1,854	32.2%
65.4%	5,720	7,558	1,838	32.1%
66.7%	5,695	7,503	1,809	31.8%
67.9%	5,681	7,475	1,795	31.6%
69.1%	5,669	7,397	1,728	30.5%
70.4%	5,632	7,316	1,684	29.9%
71.6%	5,483	6,958	1,475	26.9%
72.8%	5,471	6,837	1,365	25.0%
74.1%	5,426	6,763	1,336	24.6%
75.3%	5,318	6,727	1,409	26.5%
76.5%	5,177	6,605	1,428	27.6%
77.8%	5,172	6,462	1,290	24.9%
79.0%	5,172	6,391	1,219	23.6%
80.2%	5,142	6,287	1,144	22.3%
81.5%	5,129	6,145	1,016	19.8%
82.7%	5,129	6,130	1,002	19.5%
84.0%	5,111	6,066	955	18.7%
85.2%	5,107	5,868	761	14.9%
86.4%	5,104	5,854	750	14.7%
87.7%	5,102	5,756	654	12.8%
88.9%	5,089	5,719	629	12.4%
90.1%	5,080	5,687	607	12.0%
91.4%	4,969	5,640	671	13.5%
92.6%	4,904	5,629	724	14.8%
93.8%	4,442	5,319	877	19.7%
95.1%	4,408	5,234	825	18.7%
96.3%	4,326	5,198	872	20.2%
97.5%	4,096	5,062	966	23.6%
98.8%	3,917	5,000	1,083	27.7%
100.0%	3,541	3,796	255	7.2%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	10,450	1,106	11.8%
1.2%	9,246	10,055	809	8.8%
2.5%	9,013	9,885	872	9.7%
3.7%	8,999	9,806	806	9.0%
4.9%	8,660	9,538	878	10.1%
6.2%	8,540	9,255	715	8.4%
7.4%	8,349	9,246	897	10.7%
8.6%	8,220	8,895	675	8.2%
9.9%	8,206	8,872	666	8.1%
11.1%	8,033	8,325	293	3.6%
12.3%	7,373	8,279	906	12.3%
13.6%	7,162	8,232	1,070	14.9%
14.8%	6,977	7,770	793	11.4%
16.0%	6,820	7,476	656	9.6%
17.3%	6,776	7,413	637	9.4%
18.5%	6,739	7,321	583	8.6%
19.8%	6,667	7,314	647	9.7%
21.0%	6,631	7,283	652	9.8%
22.2%	6,610	7,267	658	10.0%
23.5%	6,555	7,201	646	9.9%
24.7%	6,527	7,081	555	8.5%
25.9%	6,383	7,053	670	10.5%
27.2%	6,342	7,001	659	10.4%
28.4%	6,307	6,959	652	10.3%
29.6%	6,196	6,933	738	11.9%
30.9%	6,181	6,843	662	10.7%
32.1%	6,118	6,799	681	11.1%
33.3%	6,094	6,764	670	11.0%
34.6%	5,980	6,597	617	10.3%
35.8%	5,868	6,586	718	12.2%
37.0%	5,685	6,574	890	15.6%
38.3%	5,662	6,545	883	15.6%
39.5%	5,616	6,520	904	16.1%
40.7%	5,534	6,506	972	17.6%
42.0%	5,516	6,406	890	16.1%
43.2%	5,503	6,367	863	15.7%
44.4%	5,374	6,345	971	18.1%
45.7%	5,219	6,305	1,086	20.8%
46.9%	5,217	6,089	872	16.7%
48.1%	5,186	6,060	874	16.8%
49.4%	5,171	6,041	870	16.8%
50.6%	5,130	6,000	870	16.9%
51.9%	5,122	5,942	820	16.0%
53.1%	5,122	5,887	765	14.9%
54.3%	5,087	5,854	767	15.1%
55.6%	5,070	5,817	747	14.7%
56.8%	5,066	5,801	735	14.5%
58.0%	5,062	5,748	686	13.6%
59.3%	5,061	5,713	652	12.9%
60.5%	5,055	5,702	648	12.8%
61.7%	5,053	5,652	599	11.8%
63.0%	5,030	5,568	538	10.7%
64.2%	5,029	5,566	537	10.7%
65.4%	5,029	5,519	490	9.7%
66.7%	5,029	5,510	481	9.6%
67.9%	5,024	5,458	434	8.6%
69.1%	5,023	5,447	425	8.5%
70.4%	5,019	5,382	362	7.2%
71.6%	5,018	5,338	320	6.4%
72.8%	5,016	5,247	231	4.6%
74.1%	5,012	5,234	222	4.4%
75.3%	5,012	5,191	179	3.6%
76.5%	5,011	5,173	162	3.2%
77.8%	5,010	5,126	117	2.3%
79.0%	4,994	5,121	127	2.5%
80.2%	4,951	5,120	169	3.4%
81.5%	4,837	5,087	250	5.2%
82.7%	4,555	5,066	511	11.2%
84.0%	4,546	5,056	510	11.2%
85.2%	4,533	5,055	521	11.5%
86.4%	4,532	5,044	512	11.3%
87.7%	4,530	5,030	500	11.0%
88.9%	4,510	5,030	519	11.5%
90.1%	4,441	5,029	588	13.2%
91.4%	4,182	5,019	838	20.0%
92.6%	4,038	5,016	978	24.2%
93.8%	4,013	4,926	913	22.7%
95.1%	4,009	4,701	692	17.3%
96.3%	3,563	4,622	1,059	29.7%
97.5%	3,517	4,533	1,016	28.9%
98.8%	3,505	4,524	1,019	29.1%
100.0%	3,461	4,510	1,049	30.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	15,000	0	0.0%
3.7%	14,634	15,000	366	2.5%
4.9%	14,255	15,000	745	5.2%
6.2%	13,378	15,000	1,622	12.1%
7.4%	13,133	15,000	1,867	14.2%
8.6%	13,068	15,000	1,932	14.8%
9.9%	12,990	15,000	2,010	15.5%
11.1%	12,848	13,595	747	5.8%
12.3%	12,746	13,418	672	5.3%
13.6%	12,730	13,254	524	4.1%
14.8%	12,706	13,128	421	3.3%
16.0%	12,542	13,064	522	4.2%
17.3%	12,453	13,017	563	4.5%
18.5%	11,980	12,976	995	8.3%
19.8%	11,924	12,603	679	5.7%
21.0%	11,720	12,564	843	7.2%
22.2%	11,664	12,514	851	7.3%
23.5%	11,385	12,382	997	8.8%
24.7%	11,348	12,377	1,029	9.1%
25.9%	10,955	12,360	1,405	12.8%
27.2%	10,859	12,338	1,479	13.6%
28.4%	10,213	12,124	1,910	18.7%
29.6%	10,080	10,214	134	1.3%
30.9%	9,532	9,918	386	4.1%
32.1%	9,329	9,474	144	1.5%
33.3%	9,123	9,271	148	1.6%
34.6%	8,969	9,223	254	2.8%
35.8%	8,500	9,040	540	6.4%
37.0%	8,366	8,801	434	5.2%
38.3%	8,236	8,310	74	0.9%
39.5%	7,644	7,974	330	4.3%
40.7%	7,286	7,946	660	9.1%
42.0%	6,958	7,841	882	12.7%
43.2%	6,939	7,775	836	12.1%
44.4%	6,653	7,734	1,081	16.2%
45.7%	6,321	7,564	1,243	19.7%
46.9%	6,289	7,463	1,174	18.7%
48.1%	6,168	7,290	1,122	18.2%
49.4%	6,166	7,067	901	14.6%
50.6%	5,872	7,012	1,140	19.4%
51.9%	5,844	6,985	1,141	19.5%
53.1%	5,830	6,861	1,031	17.7%
54.3%	5,787	6,744	957	16.5%
55.6%	5,776	6,737	961	16.6%
56.8%	5,686	6,731	1,045	18.4%
58.0%	5,635	6,530	895	15.9%
59.3%	5,625	6,522	897	15.9%
60.5%	5,561	6,503	942	16.9%
61.7%	5,530	6,259	730	13.2%
63.0%	5,514	6,133	619	11.2%
64.2%	5,459	6,042	583	10.7%
65.4%	5,399	5,992	593	11.0%
66.7%	5,382	5,960	578	10.7%
67.9%	5,346	5,948	602	11.3%
69.1%	5,305	5,924	619	11.7%
70.4%	5,175	5,921	746	14.4%
71.6%	5,135	5,844	709	13.8%
72.8%	5,112	5,817	705	13.8%
74.1%	5,073	5,744	670	13.2%
75.3%	5,071	5,726	655	12.9%
76.5%	5,064	5,693	629	12.4%
77.8%	5,058	5,684	627	12.4%
79.0%	4,779	5,534	755	15.8%
80.2%	4,596	5,496	901	19.6%
81.5%	4,554	5,441	887	19.5%
82.7%	4,526	5,397	872	19.3%
84.0%	4,513	5,389	875	19.4%
85.2%	4,403	5,331	928	21.1%
86.4%	4,397	5,330	933	21.2%
87.7%	4,311	5,311	1,000	23.2%
88.9%	4,075	5,162	1,087	26.7%
90.1%	4,061	5,116	1,055	26.0%
91.4%	4,007	5,027	1,019	25.4%
92.6%	3,891	5,000	1,109	28.5%
93.8%	3,881	5,000	1,119	28.8%
95.1%	3,514	5,000	1,486	42.3%
96.3%	3,506	4,941	1,436	41.0%
97.5%	3,505	4,713	1,208	34.5%
98.8%	3,278	4,698	1,420	43.3%
100.0%	3,255	4,589	1,335	41.0%

Table SW-16-3a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	9,258	12,153	19,084	27,004	31,441	28,424	19,441	15,292	12,918	15,838	12,415	14,704
Alternative A	9,897	12,866	18,602	25,948	30,364	27,271	19,202	15,284	13,434	17,383	13,123	15,760
Difference	639	712	-482	-1,055	-1,077	-1,153	-239	-8	516	1,545	708	1,056
Percent Difference[3]	6.9%	5.9%	-2.5%	-3.9%	-3.4%	-4.1%	-1.2%	-0.1%	4.0%	9.8%	5.7%	7.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	11,245	15,767	21,483	44,203	49,347	43,331	32,085	25,662	17,796	15,937	12,380	23,027
Alternative A	12,387	16,285	20,693	43,529	48,580	43,040	31,950	25,704	18,471	17,281	12,439	24,092
Difference	1,143	518	-790	-674	-766	-292	-135	42	675	1,344	59	1,065
Percent Difference	10.2%	3.3%	-3.7%	-1.5%	-1.6%	-0.7%	-0.4%	0.2%	3.8%	8.4%	0.5%	4.6%
Above Normal (15%)												
No Action Alternative	10,102	13,988	19,955	32,683	38,255	38,744	21,918	16,478	13,161	17,418	13,713	17,333
Alternative A	10,717	15,203	18,543	30,761	36,700	37,957	21,540	16,415	13,648	19,561	13,691	18,139
Difference	615	1,216	-1,412	-1,922	-1,555	-787	-378	-63	487	2,144	-22	806
Percent Difference	6.1%	8.7%	-7.1%	-5.9%	-4.1%	-2.0%	-1.7%	-0.4%	3.7%	12.3%	-0.2%	4.7%
Below Normal (17%)												
No Action Alternative	9,398	11,919	22,226	19,174	25,330	20,113	13,865	10,765	10,623	16,341	13,118	9,784
Alternative A	10,067	12,810	22,628	16,918	24,607	18,262	13,504	10,526	11,381	18,701	13,447	10,904
Difference	669	890	403	-2,256	-723	-1,851	-361	-239	758	2,360	329	1,120
Percent Difference	7.1%	7.5%	1.8%	-11.8%	-2.9%	-9.2%	-2.6%	-2.2%	7.1%	14.4%	2.5%	11.4%
Dry (22%)												
No Action Alternative	7,702	9,710	18,322	14,431	18,308	17,638	10,783	8,758	10,227	15,964	13,332	9,606
Alternative A	7,752	10,534	18,210	13,725	16,789	15,172	10,491	8,844	10,494	17,407	14,987	10,735
Difference	50	824	-112	-706	-1,519	-2,466	-292	86	268	1,444	1,655	1,129
Percent Difference	0.7%	8.5%	-0.6%	-4.9%	-8.3%	-14.0%	-2.7%	1.0%	2.6%	9.0%	12.4%	11.8%
Critical (15%)												
No Action Alternative	6,282	6,426	10,494	12,052	12,661	11,682	9,059	6,724	8,818	13,268	9,000	7,429
Alternative A	6,700	6,683	10,024	11,912	11,638	11,077	8,955	6,790	9,109	13,851	10,866	8,532
Difference	417	257	-470	-140	-1,023	-605	-104	67	291	583	1,866	1,103
Percent Difference	6.6%	4.0%	-4.5%	-1.2%	-8.1%	-5.2%	-1.1%	1.0%	3.3%	4.4%	20.7%	14.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-16-3b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

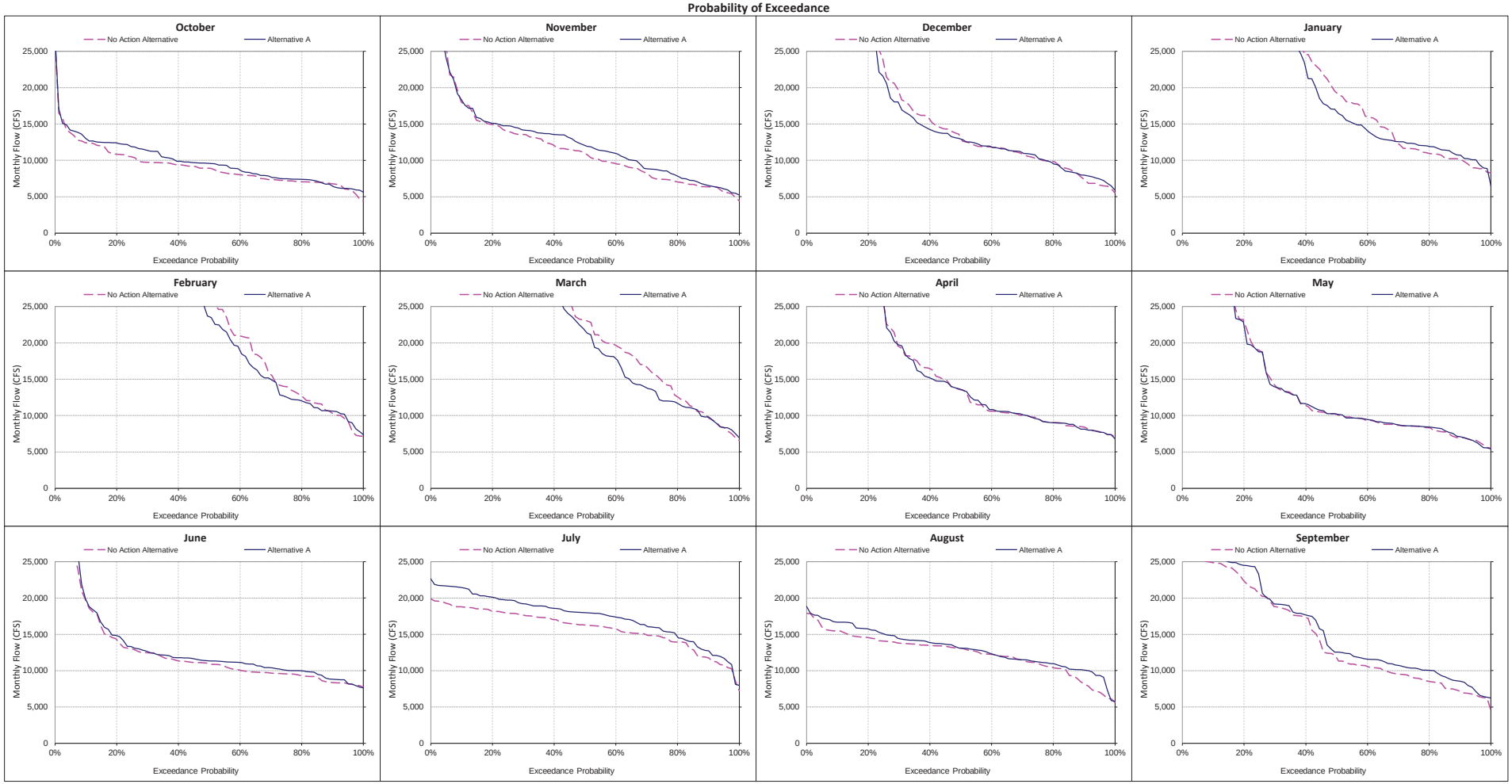

Table SW-16-3b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,681	27,356	675	2.5%
1.2%	16,511	17,128	617	3.7%
2.5%	15,779	15,083	-696	-4.4%
3.7%	14,246	14,890	644	4.5%
4.9%	13,804	14,174	370	2.7%
6.2%	13,396	14,022	627	4.7%
7.4%	12,771	13,850	1,079	8.5%
8.6%	12,655	13,602	947	7.5%
9.9%	12,427	13,069	643	5.2%
11.1%	12,402	12,680	278	2.2%
12.3%	12,337	12,670	334	2.7%
13.6%	12,073	12,532	459	3.8%
14.8%	12,012	12,505	492	4.1%
16.0%	11,861	12,478	617	5.2%
17.3%	11,162	12,461	1,299	11.6%
18.5%	10,910	12,436	1,526	14.0%
19.8%	10,847	12,417	1,570	14.5%
21.0%	10,825	12,294	1,469	13.6%
22.2%	10,780	12,228	1,447	13.4%
23.5%	10,591	12,194	1,604	15.1%
24.7%	10,497	11,916	1,420	13.5%
25.9%	10,378	11,837	1,459	14.1%
27.2%	9,834	11,617	1,783	18.1%
28.4%	9,767	11,543	1,776	18.2%
29.6%	9,738	11,398	1,660	17.0%
30.9%	9,734	11,280	1,546	15.9%
32.1%	9,708	11,240	1,532	15.8%
33.3%	9,689	11,224	1,535	15.8%
34.6%	9,673	10,513	840	8.7%
35.8%	9,655	10,401	746	7.7%
37.0%	9,634	10,318	684	7.1%
38.3%	9,492	10,177	686	7.2%
39.5%	9,398	9,873	475	5.1%
40.7%	9,375	9,869	495	5.3%
42.0%	9,333	9,772	439	4.7%
43.2%	9,224	9,765	541	5.9%
44.4%	9,220	9,696	475	5.2%
45.7%	9,126	9,674	548	6.0%
46.9%	8,950	9,644	694	7.8%
48.1%	8,946	9,637	690	7.7%
49.4%	8,920	9,597	676	7.6%
50.6%	8,893	9,574	681	7.7%
51.9%	8,682	9,533	850	9.8%
53.1%	8,461	9,364	904	10.7%
54.3%	8,351	9,346	995	11.9%
55.6%	8,219	9,310	1,091	13.3%
56.8%	8,127	8,937	810	10.0%
58.0%	8,126	8,915	789	9.7%
59.3%	8,069	8,873	804	10.0%
60.5%	7,977	8,509	532	6.7%
61.7%	7,955	8,371	416	5.2%
63.0%	7,908	8,328	420	5.3%
64.2%	7,892	8,182	290	3.7%
65.4%	7,824	8,143	319	4.1%
66.7%	7,506	7,918	413	5.5%
67.9%	7,465	7,917	452	6.0%
69.1%	7,368	7,864	496	6.7%
70.4%	7,355	7,641	286	3.9%
71.6%	7,335	7,599	264	3.6%
72.8%	7,270	7,515	245	3.4%
74.1%	7,270	7,473	203	2.8%
75.3%	7,188	7,472	284	4.0%
76.5%	7,184	7,419	235	3.3%
77.8%	7,136	7,390	254	3.6%
79.0%	7,100	7,389	288	4.1%
80.2%	7,041	7,387	345	4.9%
81.5%	7,040	7,381	341	4.8%
82.7%	7,001	7,323	323	4.6%
84.0%	7,000	7,232	232	3.3%
85.2%	6,992	7,122	130	1.9%
86.4%	6,989	6,895	-94	-1.3%
87.7%	6,934	6,738	-195	-2.8%
88.9%	6,837	6,730	-107	-1.6%
90.1%	6,783	6,433	-351	-5.2%
91.4%	6,701	6,262	-439	-6.6%
92.6%	6,565	6,190	-375	-5.7%
93.8%	6,071	6,149	78	1.3%
95.1%	6,006	6,142	136	2.3%
96.3%	5,820	6,077	257	4.4%
97.5%	5,322	5,918	595	11.2%
98.8%	4,685	5,901	1,216	26.0%
100.0%	4,369	5,624	1,255	28.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,249	41,007	-1,242	-2.9%
1.2%	41,216	40,905	-311	-0.8%
2.5%	28,205	27,466	-739	-2.6%
3.7%	26,012	27,203	1,191	4.6%
4.9%	25,779	24,188	-1,591	-6.2%
6.2%	21,784	22,149	365	1.7%
7.4%	21,475	21,167	-308	-1.4%
8.6%	19,690	19,211	-480	-2.4%
9.9%	18,033	18,379	346	1.9%
11.1%	17,584	17,603	18	0.1%
12.3%	17,537	17,183	-354	-2.0%
13.6%	16,614	17,170	556	3.3%
14.8%	15,538	15,913	375	2.4%
16.0%	15,359	15,772	413	2.7%
17.3%	15,358	15,393	35	0.2%
18.5%	15,056	15,277	220	1.5%
19.8%	14,939	15,114	175	1.2%
21.0%	14,828	15,077	249	1.7%
22.2%	14,687	14,939	251	1.7%
23.5%	14,232	14,757	526	3.7%
24.7%	13,989	14,748	760	5.4%
25.9%	13,873	14,746	873	6.3%
27.2%	13,693	14,542	849	6.2%
28.4%	13,586	14,434	847	6.2%
29.6%	13,582	14,219	637	4.7%
30.9%	13,530	14,147	616	4.6%
32.1%	13,241	14,105	864	6.5%
33.3%	13,192	13,986	794	6.0%
34.6%	13,054	13,773	720	5.5%
35.8%	12,949	13,739	790	6.1%
37.0%	12,382	13,697	1,315	10.6%
38.3%	12,364	13,691	1,327	10.7%
39.5%	12,187	13,582	1,395	11.5%
40.7%	11,833	13,556	1,723	14.6%
42.0%	11,618	13,508	1,890	16.3%
43.2%	11,617	13,504	1,886	16.2%
44.4%	11,533	13,185	1,653	14.3%
45.7%	11,477	12,978	1,501	13.1%
46.9%	11,338	12,616	1,279	11.3%
48.1%	11,319	12,341	1,022	9.0%
49.4%	11,132	12,142	1,010	9.1%
50.6%	10,814	11,932	1,118	10.3%
51.9%	10,363	11,863	1,499	14.5%
53.1%	10,203	11,640	1,437	14.1%
54.3%	10,153	11,415	1,261	12.4%
55.6%	9,867	11,347	1,480	15.0%
56.8%	9,863	11,286	1,424	14.4%
58.0%	9,693	11,141	1,448	14.9%
59.3%	9,620	11,040	1,420	14.8%
60.5%	9,499	10,886	1,387	14.6%
61.7%	9,454	10,570	1,116	11.8%
63.0%	9,257	10,354	1,097	11.8%
64.2%	9,038	10,083	1,045	11.6%
65.4%	8,974	10,006	1,032	11.5%
66.7%	8,972	9,957	985	11.0%
67.9%	8,603	9,465	862	10.0%
69.1%	8,370	8,891	521	6.2%
70.4%	8,141	8,846	704	8.6%
71.6%	7,635	8,783	1,147	15.0%
72.8%	7,464	8,777	1,313	17.6%
74.1%	7,406	8,664	1,257	17.0%
75.3%	7,401	8,566	1,165	15.7%
76.5%	7,380	8,552	1,172	15.9%
77.8%	7,283	8,198	915	12.6%
79.0%	7,105	8,030	924	13.0%
80.2%	7,029	7,795	766	10.9%
81.5%	6,935	7,496	561	8.1%
82.7%	6,787	7,484	696	10.3%
84.0%	6,708	7,255	547	8.2%
85.2%	6,687	7,217	531	7.9%
86.4%	6,540	7,066	526	8.0%
87.7%	6,383	6,802	419	6.6%
88.9%	6,382	6,665	283	4.4%
90.1%	6,366	6,519	153	2.4%
91.4%	6,359	6,419	60	0.9%
92.6%	6,345	6,322	-24	-0.4%
93.8%	5,978	6,262	284	4.7%
95.1%	5,571	6,073	502	9.0%
96.3%	5,544	5,941	396	7.1%
97.5%	5,421	5,538	117	2.2%
98.8%	4,883	5,495	612	12.5%
100.0%	4,426	5,240	813	18.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,305	62,319	15	0.0%
1.2%	56,655	54,495	-2,160	-3.8%
2.5%	55,804	54,379	-1,425	-2.6%
3.7%	53,645	53,594	-51	-0.1%
4.9%	49,549	49,499	-51	-0.1%
6.2%	47,680	46,877	-803	-1.7%
7.4%	46,598	46,505	-93	-0.2%
8.6%	41,658	39,396	-2,262	-5.4%
9.9%	39,568	38,749	-820	-2.1%
11.1%	39,070	38,165	-905	-2.3%
12.3%	38,714	35,527	-3,187	-8.2%
13.6%	35,411	35,426	15	0.0%
14.8%	34,559	34,642	84	0.2%
16.0%	31,082	32,807	1,725	5.5%
17.3%	30,613	31,797	1,184	3.9%
18.5%	30,317	30,017	-300	-1.0%
19.8%	30,228	27,103	-3,125	-10.3%
21.0%	29,838	26,962	-2,876	-9.6%
22.2%	29,106	26,371	-2,734	-9.4%
23.5%	25,261	22,133	-3,127	-12.4%
24.7%	24,054	21,610	-2,444	-10.2%
25.9%	21,469	20,549	-920	-4.3%
27.2%	20,805	18,559	-2,246	-10.8%
28.4%	20,615	18,045	-2,571	-12.5%
29.6%	19,773	18,036	-1,737	-8.8%
30.9%	18,306	16,945	-1,361	-7.4%
32.1%	18,070	16,574	-1,496	-8.3%
33.3%	17,598	16,258	-1,340	-7.6%
34.6%	16,818	15,845	-972	-5.8%
35.8%	16,419	15,198	-1,221	-7.4%
37.0%	16,185	14,887	-1,297	-8.0%
38.3%	16,177	14,640	-1,537	-9.5%
39.5%	15,904	14,326	-1,578	-9.9%
40.7%	15,181	14,144	-1,037	-6.8%
42.0%	14,796	13,890	-906	-6.1%
43.2%	14,543	13,796	-747	-5.1%
44.4%	14,337	13,708	-629	-4.4%
45.7%	14,298	13,704	-594	-4.2%
46.9%	14,028	13,279	-749	-5.3%
48.1%	13,779	13,116	-663	-4.8%
49.4%	13,596	13,032	-564	-4.1%
50.6%	12,624	12,850	226	1.8%
51.9%	12,514	12,542	28	0.2%
53.1%	12,385	12,533	148	1.2%
54.3%	12,109	12,426	316	2.6%
55.6%	11,932	12,262	330	2.8%
56.8%	11,888	12,018	130	1.1%
58.0%	11,865	11,981	116	1.0%
59.3%	11,862	11,966	104	0.9%
60.5%	11,811	11,751	-60	-0.5%
61.7%	11,792	11,734	-58	-0.5%
63.0%	11,717	11,588	-129	-1.1%
64.2%	11,616	11,587	-28	-0.2%
65.4%	11,391	11,373	-18	-0.2%
66.7%	11,194	11,322	128	1.1%
67.9%	11,161	11,291	129	1.2%
69.1%	11,031	11,227	196	1.8%
70.4%	10,776	10,957	181	1.7%
71.6%	10,574	10,913	339	3.2%
72.8%	10,476	10,853	377	3.6%
74.1%	10,291	10,741	451	4.4%
75.3%	10,198	10,227	29	0.3%
76.5%	9,965	10,136	171	1.7%
77.8%	9,939	9,959	19	0.2%
79.0%	9,906	9,825	-81	-0.8%
80.2%	9,828	9,493	-335	-3.4%
81.5%	9,463	9,389	-75	-0.8%
82.7%	9,030	8,941	-89	-1.0%
84.0%	8,940	8,532	-408	-4.6%
85.2%	8,809	8,462	-347	-3.9%
86.4%	8,470	8,343	-127	-1.5%
87.7%	8,206	8,231	25	0.3%
88.9%	7,757	8,008	251	3.2%
90.1%	7,326	7,970	644	8.8%
91.4%	6,847	7,854	1,007	14.7%
92.6%	6,846	7,761	915	13.4%
93.8%	6,832	7,584	752	11.0%
95.1%	6,601	7,432	830	12.6%
96.3%	6,480	7,217	738	11.4%
97.5%	6,440	6,838	398	6.2%
98.8%	6,100	6,483	382	6.3%
100.0%	5,504	5,883	379	6.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,167	70,690	-477	-0.7%
1.2%	70,077	69,756	-321	-0.5%
2.5%	62,642	62,644	2	0.0%
3.7%	62,469	61,663	-807	-1.3%
4.9%	58,916	58,421	-495	-0.8%
6.2%	58,137	58,306	170	0.3%
7.4%	56,778	55,663	-1,115	-2.0%
8.6%	55,106	53,577	-1,529	-2.8%
9.9%	54,766	52,569	-2,197	-4.0%
11.1%	52,513	52,195	-318	-0.6%
12.3%	50,642	50,382	-260	-0.5%
13.6%	50,222	49,201	-1,021	-2.0%
14.8%	49,209	48,168	-1,042	-2.1%
16.0%	49,206	47,958	-1,248	-2.5%
17.3%	48,130	47,553	-577	-1.2%
18.5%	48,045	46,556	-1,488	-3.1%
19.8%	47,392	45,495	-1,897	-4.0%
21.0%	45,998	45,144	-854	-1.9%
22.2%	44,251	42,623	-1,628	-3.7%
23.5%	43,614	41,370	-2,244	-5.1%
24.7%	42,283	40,699	-1,583	-3.7%
25.9%	40,709	40,455	-254	-0.6%
27.2%	40,694	36,694	-4,000	-9.8%
28.4%	39,567	36,674	-2,893	-7.3%
29.6%	36,883	35,164	-1,719	-4.7%
30.9%	36,157	33,326	-2,831	-7.8%
32.1%	33,214	32,096	-1,118	-3.4%
33.3%	32,124	31,325	-799	-2.5%
34.6%	29,948	27,653	-2,295	-7.7%
35.8%	29,568	27,176	-2,392	-8.1%
37.0%	27,143	25,669	-1,475	-5.4%
38.3%	27,032	24,748	-2,284	-8.4%
39.5%	24,577	23,518	-1,059	-4.3%
40.7%	24,568	21,247	-3,321	-13.5%
42.0%	23,508	21,225	-2,283	-9.7%
43.2%	23,043	20,048	-2,994	-13.0%
44.4%	22,552	18,542	-4,010	-17.8%
45.7%	21,773	17,795	-3,977	-18.3%
46.9%	21,197	17,551	-3,646	-17.2%
48.1%	20,325	17,064	-3,261	-16.0%
49.4%	19,519	17,022	-2,497	-12.8%
50.6%	19,047	16,452	-2,595	-13.6%
51.9%	18,784	16,156	-2,627	-14.0%
53.1%	18,090	15,535	-2,555	-14.1%
54.3%	18,028	15,339	-2,689	-14.9%
55.6%	17,808	15,062	-2,746	-15.4%
56.8%	17,749	14,880	-2,869	-16.2%
58.0%	17,425	14,862	-2,563	-14.7%
59.3%	16,080	14,388	-1,692	-10.5%
60.5%	15,926	13,907	-2,020	-12.7%
61.7%	15,849	13,537	-2,312	-14.6%
63.0%	15,516	13,206	-2,309	-14.9%
64.2%	14,610	12,996	-1,614	-11.0%
65.4%	14,536	12,866	-1,670	-11.5%
66.7%	14,243	12,810	-1,433	-10.1%
67.9%	13,891	12,733	-1,158	-8.3%
69.1%	12,495	12,611	116	0.9%
70.4%	12,178	12,574	396	3.3%
71.6%	11,669	12,574	904	7.8%
72.8%	11,665	12,357	692	5.9%
74.1%	11,637	12,343	706	6.1%
75.3%	11,593	12,292	699	6.0%
76.5%	11,444	12,081	637	5.6%
77.8%	11,130	12,058	928	8.3%
79.0%	11,059	12,014	955	8.6%
80.2%	10,937	11,909	972	8.9%
81.5%	10,912	11,853	940	8.6%
82.7%	10,843	11,671	827	7.6%
84.0%	10,713	11,448	735	6.9%
85.2%	10,289	11,427	1,138	11.1%
86.4%	10,239	11,357	1,117	10.9%
87.7%	10,229	10,985	756	7.4%
88.9%	10,217	10,768	551	5.4%
90.1%	10,156	10,700	544	5.4%
91.4%	9,840	10,252	412	4.2%
92.6%	9,509	10,242	733	7.7%
93.8%	8,975	10,094	1,118	12.5%
95.1%	8,962	10,082	1,120	12.5%
96.3%	8,856	9,401	544	6.1%
97.5%	8,854	8,978	124	1.4%
98.8%	8,369	8,870	501	6.0%
100.0%	8,273	6,455	-1,818	-22.0%

Table SW-16-3b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,468	72,308	-160	-0.2%
1.2%	66,154	66,369	214	0.3%
2.5%	65,164	64,686	-477	-0.7%
3.7%	62,890	62,889	-1	0.0%
4.9%	60,471	60,477	6	0.0%
6.2%	60,156	60,150	-6	0.0%
7.4%	59,962	60,099	137	0.2%
8.6%	59,746	59,817	70	0.1%
9.9%	59,569	59,056	-513	-0.9%
11.1%	58,689	58,115	-573	-1.0%
12.3%	58,133	57,477	-656	-1.1%
13.6%	57,369	57,101	-267	-0.5%
14.8%	56,117	56,120	3	0.0%
16.0%	55,772	55,775	4	0.0%
17.3%	55,519	55,521	2	0.0%
18.5%	54,896	54,870	-26	0.0%
19.8%	52,352	50,992	-1,360	-2.6%
21.0%	49,847	48,465	-1,381	-2.8%
22.2%	49,215	48,422	-793	-1.6%
23.5%	48,454	47,992	-463	-1.0%
24.7%	44,871	44,214	-657	-1.5%
25.9%	43,929	43,927	-1	0.0%
27.2%	42,987	42,928	-58	-0.1%
28.4%	42,519	41,329	-1,191	-2.8%
29.6%	42,409	40,811	-1,598	-3.8%
30.9%	42,397	40,216	-2,180	-5.1%
32.1%	41,728	40,175	-1,553	-3.7%
33.3%	41,486	39,435	-2,051	-4.9%
34.6%	41,017	39,243	-1,774	-4.3%
35.8%	40,554	39,137	-1,417	-3.5%
37.0%	40,214	38,489	-1,725	-4.3%
38.3%	39,676	37,238	-2,439	-6.1%
39.5%	37,562	36,938	-624	-1.7%
40.7%	36,607	33,280	-3,327	-9.1%
42.0%	33,680	32,525	-1,155	-3.4%
43.2%	32,515	29,762	-2,754	-8.5%
44.4%	31,855	29,415	-2,440	-7.7%
45.7%	31,822	27,667	-4,155	-13.1%
46.9%	29,172	26,700	-2,472	-8.5%
48.1%	28,899	25,259	-3,640	-12.6%
49.4%	26,830	23,683	-3,146	-11.7%
50.6%	26,563	23,489	-3,075	-11.6%
51.9%	25,250	22,560	-2,691	-10.7%
53.1%	24,612	22,492	-2,120	-8.6%
54.3%	24,586	21,859	-2,727	-11.1%
55.6%	23,530	21,493	-2,036	-8.7%
56.8%	21,906	20,456	-1,450	-6.6%
58.0%	21,025	19,689	-1,336	-6.4%
59.3%	21,000	19,541	-1,459	-6.9%
60.5%	20,902	18,449	-2,452	-11.7%
61.7%	20,768	18,151	-2,617	-12.6%
63.0%	20,660	17,148	-3,512	-17.0%
64.2%	18,452	16,615	-1,837	-10.0%
65.4%	18,376	16,274	-2,102	-11.4%
66.7%	18,012	15,535	-2,477	-13.8%
67.9%	17,441	15,188	-2,253	-12.9%
69.1%	15,998	15,181	-817	-5.1%
70.4%	15,461	14,880	-581	-3.8%
71.6%	14,449	14,538	90	0.6%
72.8%	14,172	12,844	-1,328	-9.4%
74.1%	14,022	12,689	-1,334	-9.5%
75.3%	13,968	12,511	-1,457	-10.4%
76.5%	13,510	12,254	-1,256	-9.3%
77.8%	13,257	12,175	-1,082	-8.2%
79.0%	12,951	12,136	-815	-6.3%
80.2%	12,600	11,957	-643	-5.1%
81.5%	12,061	11,746	-315	-2.6%
82.7%	12,021	11,672	-349	-2.9%
84.0%	11,755	11,097	-658	-5.6%
85.2%	11,652	11,081	-571	-4.9%
86.4%	11,579	10,684	-895	-7.7%
87.7%	10,754	10,682	-72	-0.7%
88.9%	10,594	10,633	38	0.4%
90.1%	10,242	10,610	368	3.6%
91.4%	10,061	10,524	463	4.6%
92.6%	10,011	10,256	245	2.4%
93.8%	9,587	10,181	593	6.2%
95.1%	9,174	9,193	19	0.2%
96.3%	7,894	8,994	1,100	13.9%
97.5%	7,300	8,174	874	12.0%
98.8%	7,196	7,800	604	8.4%
100.0%	7,145	7,353	208	2.9%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,020	69,020	0	0.0%
1.2%	67,784	67,052	-731	-1.1%
2.5%	62,846	62,848	2	0.0%
3.7%	60,526	60,055	-471	-0.8%
4.9%	59,935	59,934	-1	0.0%
6.2%	59,029	58,887	-143	-0.2%
7.4%	58,885	58,020	-865	-1.5%
8.6%	56,288	56,286	-2	0.0%
9.9%	55,196	55,199	3	0.0%
11.1%	53,009	52,648	-361	-0.7%
12.3%	52,729	52,394	-335	-0.6%
13.6%	52,645	52,072	-573	-1.1%
14.8%	51,481	51,224	-256	-0.5%
16.0%	48,607	48,601	-6	0.0%
17.3%	47,761	47,766	5	0.0%
18.5%	47,686	47,688	3	0.0%
19.8%	47,084	44,823	-2,261	-4.8%
21.0%	43,472	43,710	238	0.5%
22.2%	42,480	42,473	-7	0.0%
23.5%	41,370	41,387	17	0.0%
24.7%	40,719	40,490	-229	-0.6%
25.9%	39,344	40,451	1,107	2.8%
27.2%	39,138	38,360	-778	-2.0%
28.4%	36,506	35,518	-988	-2.7%
29.6%	36,360	32,528	-3,832	-10.5%
30.9%	36,184	32,513	-3,671	-10.1%
32.1%	35,730	31,892	-3,838	-10.7%
33.3%	32,804	31,771	-1,033	-3.2%
34.6%	32,475	30,648	-1,827	-5.6%
35.8%	31,123	30,618	-504	-1.6%
37.0%	30,698	30,243	-455	-1.5%
38.3%	30,632	28,521	-2,112	-6.9%
39.5%	30,209	28,305	-1,905	-6.3%
40.7%	28,606	27,923	-684	-2.4%
42.0%	27,915	25,676	-2,239	-8.0%
43.2%	26,733	24,644	-2,089	-7.8%
44.4%	25,243	24,041	-1,203	-4.8%
45.7%	25,089	23,618	-1,471	-5.9%
46.9%	23,630	23,079	-551	-2.3%
48.1%	23,262	22,486	-776	-3.3%
49.4%	23,162	22,001	-1,161	-5.0%
50.6%	23,043	21,344	-1,699	-7.4%
51.9%	22,820	21,100	-1,720	-7.5%
53.1%	21,105	19,384	-1,721	-8.2%
54.3%	21,095	19,210	-1,885	-8.9%
55.6%	20,277	18,546	-1,731	-8.5%
56.8%	19,996	18,228	-1,768	-8.8%
58.0%	19,975	18,164	-1,810	-9.1%
59.3%	19,812	18,104	-1,708	-8.6%
60.5%	19,507	17,610	-1,897	-9.7%
61.7%	19,216	16,596	-2,620	-13.6%
63.0%	18,715	15,287	-3,428	-18.3%
64.2%	18,557	15,077	-3,480	-18.8%
65.4%	18,211	14,491	-3,719	-20.4%
66.7%	17,748	14,273	-3,476	-19.6%
67.9%	17,045	14,232	-2,813	-16.5%
69.1%	17,036	13,996	-3,040	-17.8%
70.4%	16,498	13,724	-2,773	-16.8%
71.6%	15,937	13,629	-2,308	-14.5%
72.8%	15,635	13,343	-2,292	-14.7%
74.1%	15,151	12,180	-2,971	-19.6%
75.3%	14,592	12,023	-2,569	-17.6%
76.5%	14,212	12,020	-2,192	-15.4%
77.8%	14,081	11,981	-2,100	-14.9%
79.0%	12,843	11,918	-925	-7.2%
80.2%	12,476	11,640	-836	-6.7%
81.5%	12,119	11,301	-819	-6.8%
82.7%	11,984	11,148	-836	-7.0%
84.0%	11,375	11,104	-271	-2.4%
85.2%	11,169	10,960	-209	-1.9%
86.4%	10,581	10,782	200	1.9%
87.7%	10,540	9,928	-613	-5.8%
88.9%	10,296	9,814	-482	-4.7%
90.1%	9,636	9,798	162	1.7%
91.4%	9,394	9,372	-22	-0.2%
92.6%	9,079	8,945	-134	-1.5%
93.8%	8,493	8,435	-59	-0.7%
95.1%	8,323	8,332	9	0.1%
96.3%	7,846	8,318	472	6.0%
97.5%	7,501	8,024	522	7.0%
98.8%	6,926	7,498	572	8.3%
100.0%	6,558	6,945	387	5.9%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,606	59,607	1	0.0%
1.2%	56,952	56,950	-2	0.0%
2.5%	53,968	53,965	-2	0.0%
3.7%	49,215	48,935	-280	-0.6%
4.9%	48,934	48,894	-41	-0.1%
6.2%	48,893	48,429	-464	-0.9%
7.4%	48,425	47,532	-893	-1.8%
8.6%	46,353	46,347	-6	0.0%
9.9%	45,645	45,646	1	0.0%
11.1%	42,911	41,409	-1,502	-3.5%
12.3%	38,249	38,255	6	0.0%
13.6%	35,500	35,491	-9	0.0%
14.8%	34,515	34,498	-17	0.0%
16.0%	34,097	34,083	-14	0.0%
17.3%	33,157	32,689	-469	-1.4%
18.5%	32,674	30,224	-2,450	-7.5%
19.8%	32,557	29,639	-2,919	-9.0%
21.0%	30,211	29,004	-1,207	-4.0%
22.2%	29,004	27,644	-1,360	-4.7%
23.5%	28,444	27,105	-1,339	-4.7%
24.7%	26,464	26,570	106	0.4%
25.9%	22,571	22,057	-515	-2.3%
27.2%	22,081	21,449	-632	-2.9%
28.4%	21,461	20,196	-1,265	-5.9%
29.6%	19,562	19,760	198	1.0%
30.9%	19,273	19,569	296	1.5%
32.1%	18,209	18,320	111	0.6%
33.3%	18,208	17,828	-380	-2.1%
34.6%	17,828	17,602	-226	-1.3%
35.8%	17,528	16,178	-1,350	-7.7%
37.0%	16,833	15,989	-845	-5.0%
38.3%	16,598	15,434	-1,164	-7.0%
39.5%	16,551	15,247	-1,304	-7.9%
40.7%	16,299	15,051	-1,248	-7.7%
42.0%	15,433	14,779	-654	-4.2%
43.2%	15,241	14,723	-518	-3.4%
44.4%	14,953	14,717	-236	-1.6%
45.7%	14,749	14,531	-217	-1.5%
46.9%	14,006	14,011	4	0.0%
48.1%	13,819	13,821	2	0.0%
49.4%	13,599	13,670	71	0.5%
50.6%	13,499	13,499	0	0.0%
51.9%	13,219	13,301	82	0.6%
53.1%	11,828	12,560	732	6.2%
54.3%	11,699	12,141	442	3.8%
55.6%	11,482	12,103	621	5.4%
56.8%	11,473	11,513	39	0.3%
58.0%	10,804	11,475	672	6.2%
59.3%	10,618	10,808	190	1.8%
60.5%	10,600	10,807	206	1.9%
61.7%	10,559	10,602	42	0.4%
63.0%	10,456	10,562	106	1.0%
64.2%	10,407	10,561	154	1.5%
65.4%	10,367	10,546	180	1.7%
66.7%	10,350	10,372	22	0.2%
67.9%	10,249	10,298	49	0.5%
69.1%	10,051	10,251	200	2.0%
70.4%	10,047	10,090	43	0.4%
71.6%	9,995	9,989	-6	-0.1%
72.8%	9,798	9,757	-42	-0.4%
74.1%	9,762	9,616	-146	-1.5%
75.3%	9,499	9,504	5	0.1%
76.5%	9,202	9,196	-6	-0.1%
77.8%	9,116	9,104	-11	-0.1%
79.0%	9,088	9,048	-40	-0.4%
80.2%	9,042	8,996	-46	-0.5%
81.5%	9,020	8,983	-37	-0.4%
82.7%	8,959	8,959	0	0.0%
84.0%	8,604	8,936	332	3.9%
85.2%	8,569	8,813	244	2.8%
86.4%	8,547	8,812	265	3.1%
87.7%	8,535	8,427	-107	-1.3%
88.9%	8,483	8,134	-349	-4.1%
90.1%	8,398	8,122	-277	-3.3%
91.4%	8,133	8,006	-127	-1.6%
92.6%	7,927	7,983	56	0.7%
93.8%	7,886	7,868	-18	-0.2%
95.1%	7,795	7,699	-96	-1.2%
96.3%	7,677	7,674	-2	0.0%
97.5%	7,407	7,408	1	0.0%
98.8%	7,369	7,369	0	0.0%
100.0%	7,057	6,790	-267	-3.8%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,374	49,350	-24	0.0%
1.2%	47,028	46,946	-82	-0.2%
2.5%	44,132	44,138	6	0.0%
3.7%	41,851	41,770	-80	-0.2%
4.9%	38,526	38,153	-373	-1.0%
6.2%	36,637	36,643	6	0.0%
7.4%	34,792	34,944	152	0.4%
8.6%	34,247	34,161	-86	-0.3%
9.9%	33,606	33,514	-92	-0.3%
11.1%	31,932	32,848	916	2.9%
12.3%	31,887	31,836	-51	-0.2%
13.6%	31,807	31,806	-1	0.0%
14.8%	31,719	31,769	51	0.2%
16.0%	27,277	27,281	5	0.0%
17.3%	24,594	23,345	-1,249	-5.1%
18.5%	23,256	23,200	-57	-0.2%
19.8%	23,200	22,913	-287	-1.2%
21.0%	21,781	19,834	-1,947	-8.9%
22.2%	20,212	19,733	-479	-2.4%
23.5%	19,306	19,293	-13	-0.1%
24.7%	19,013	18,774	-238	-1.3%
25.9%	18,752	18,736	-16	-0.1%
27.2%	15,944	15,867	-77	-0.5%
28.4%	15,194	14,299	-895	-5.9%
29.6%	14,298	13,998	-300	-2.1%
30.9%	13,762	13,820	58	0.4%
32.1%	13,481	13,728	247	1.8%
33.3%	13,337	13,251	-86	-0.6%
34.6%	13,256	13,134	-122	-0.9%
35.8%	12,906	12,840	-65	-0.5%
37.0%	12,821	12,824	2	0.0%
38.3%	11,671	11,707	36	0.3%
39.5%	11,455	11,672	217	1.9%
40.7%	11,230	11,527	297	2.6%
42.0%	10,681	11,233	552	5.2%
43.2%	10,600	10,972	371	3.5%
44.4%	10,505	10,744	239	2.3%
45.7%	10,471	10,683	212	2.0%
46.9%	10,318	10,279	-40	-0.4%
48.1%	10,258	10,262	4	0.0%
49.4%	10,254	10,255	1	0.0%
50.6%	10,047	10,174	128	1.3%
51.9%	9,921	10,072	151	1.5%
53.1%	9,817	9,683	-134	-1.4%
54.3%	9,797	9,682	-115	-1.2%
55.6%	9,679	9,671	-8	-0.1%
56.8%	9,674	9,618	-57	-0.6%
58.0%	9,616	9,606	-9	-0.1%
59.3%	9,381	9,546	165	1.8%
60.5%	9,360	9,427	67	0.7%
61.7%	9,268	9,365	97	1.0%
63.0%	9,103	9,144	41	0.4%
64.2%	8,978	9,135	158	1.8%
65.4%	8,806	9,015	209	2.4%
66.7%	8,798	8,978	180	2.0%
67.9%	8,783	8,930	147	1.7%
69.1%	8,687	8,800	112	1.3%
70.4%	8,637	8,686	49	0.6%
71.6%	8,584	8,638	53	0.6%
72.8%	8,563	8,592	29	0.3%
74.1%	8,560	8,585	25	0.3%
75.3%	8,556	8,566	11	0.1%
76.5%	8,513	8,557	44	0.5%
77.8%	8,487	8,489	2	0.0%
79.0%	8,328	8,447	119	1.4%
80.2%	8,323	8,428	105	1.3%
81.5%	7,947	8,326	379	4.8%
82.7%	7,879	8,263	384	4.9%
84.0%	7,765	8,195	431	5.5%
85.2%	7,761	7,882	121	1.6%
86.4%	7,451	7,678	227	3.0%
87.7%	7,144	7,553	409	5.7%
88.9%	6,992	7,146	154	2.2%
90.1%	6,981	7,071	90	1.3%
91.4%	6,953	6,955	2	0.0%
92.6%	6,777	6,777	0	0.0%
93.8%	6,629	6,617	-12	-0.2%
95.1%	6,612	6,354	-258	-3.9%
96.3%	6,297	6,019	-278	-4.4%
97.5%	6,007	5,568	-438	-7.3%
98.8%	5,614	5,555	-60	-1.1%
100.0%	5,530	5,423	-108	-1.9%

Table SW-16-3b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,597	49,512	-85	-0.2%
1.2%	37,192	37,206	14	0.0%
2.5%	27,160	28,377	1,218	4.5%
3.7%	27,034	27,995	961	3.6%
4.9%	25,878	26,486	608	2.3%
6.2%	25,748	26,346	598	2.3%
7.4%	24,073	26,219	2,146	8.9%
8.6%	21,010	21,909	899	4.3%
9.9%	19,784	19,916	132	0.7%
11.1%	18,586	18,813	226	1.2%
12.3%	18,058	18,371	313	1.7%
13.6%	17,874	17,952	77	0.4%
14.8%	16,193	16,689	497	3.1%
16.0%	15,048	15,983	934	6.2%
17.3%	14,863	15,683	820	5.5%
18.5%	14,560	14,888	328	2.3%
19.8%	14,386	14,855	469	3.3%
21.0%	13,760	14,669	910	6.6%
22.2%	13,202	14,115	913	6.9%
23.5%	13,115	13,350	235	1.8%
24.7%	13,077	13,309	232	1.8%
25.9%	12,864	13,089	225	1.8%
27.2%	12,607	12,998	391	3.1%
28.4%	12,476	12,836	360	2.9%
29.6%	12,456	12,685	229	1.8%
30.9%	12,434	12,464	30	0.2%
32.1%	12,428	12,369	-59	-0.5%
33.3%	12,211	12,199	-13	-0.1%
34.6%	11,947	12,147	201	1.7%
35.8%	11,693	12,138	444	3.8%
37.0%	11,667	12,051	384	3.3%
38.3%	11,557	11,829	273	2.4%
39.5%	11,402	11,779	377	3.3%
40.7%	11,291	11,772	481	4.3%
42.0%	11,279	11,755	476	4.2%
43.2%	11,202	11,745	543	4.8%
44.4%	11,142	11,687	545	4.9%
45.7%	11,123	11,554	431	3.9%
46.9%	11,105	11,457	352	3.2%
48.1%	11,079	11,383	305	2.7%
49.4%	11,034	11,366	332	3.0%
50.6%	10,879	11,334	455	4.2%
51.9%	10,867	11,322	455	4.2%
53.1%	10,836	11,287	450	4.2%
54.3%	10,773	11,240	467	4.3%
55.6%	10,488	11,200	712	6.8%
56.8%	10,315	11,194	880	8.5%
58.0%	10,150	11,177	1,027	10.1%
59.3%	10,146	11,102	956	9.4%
60.5%	9,982	11,099	1,118	11.2%
61.7%	9,931	10,926	995	10.0%
63.0%	9,802	10,921	1,120	11.4%
64.2%	9,799	10,917	1,118	11.4%
65.4%	9,782	10,645	863	8.8%
66.7%	9,747	10,612	865	8.9%
67.9%	9,741	10,418	676	6.9%
69.1%	9,717	10,401	684	7.0%
70.4%	9,649	10,400	751	7.8%
71.6%	9,610	10,283	674	7.0%
72.8%	9,597	10,207	610	6.4%
74.1%	9,570	10,111	540	5.6%
75.3%	9,543	10,024	481	5.0%
76.5%	9,542	10,003	461	4.8%
77.8%	9,494	9,999	505	5.3%
79.0%	9,386	9,998	613	6.5%
80.2%	9,249	9,958	709	7.7%
81.5%	9,213	9,853	641	7.0%
82.7%	9,192	9,823	631	6.9%
84.0%	9,182	9,797	614	6.7%
85.2%	9,081	9,473	392	4.3%
86.4%	8,637	9,356	719	8.3%
87.7%	8,500	8,970	471	5.5%
88.9%	8,426	8,859	433	5.1%
90.1%	8,356	8,803	447	5.3%
91.4%	8,324	8,783	460	5.5%
92.6%	8,310	8,751	440	5.3%
93.8%	8,310	8,727	417	5.0%
95.1%	8,182	8,165	-17	-0.2%
96.3%	8,106	8,145	38	0.5%
97.5%	7,993	7,954	-38	-0.5%
98.8%	7,937	7,729	-208	-2.6%
100.0%	7,710	7,638	-72	-0.9%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,895	22,636	2,741	13.8%
1.2%	19,581	21,890	2,309	11.8%
2.5%	19,550	21,750	2,200	11.3%
3.7%	19,485	21,718	2,233	11.5%
4.9%	19,277	21,653	2,376	12.3%
6.2%	19,142	21,617	2,475	12.9%
7.4%	18,832	21,555	2,723	14.5%
8.6%	18,797	21,513	2,716	14.4%
9.9%	18,797	21,464	2,667	14.2%
11.1%	18,720	21,354	2,635	14.1%
12.3%	18,688	21,206	2,518	13.5%
13.6%	18,654	20,557	1,902	10.2%
14.8%	18,511	20,538	2,027	11.0%
16.0%	18,504	20,321	1,817	9.8%
17.3%	18,498	20,316	1,819	9.8%
18.5%	18,431	20,200	1,770	9.6%
19.8%	18,184	20,146	1,963	10.8%
21.0%	18,165	20,024	1,859	10.2%
22.2%	18,121	19,822	1,701	9.4%
23.5%	18,016	19,776	1,759	9.8%
24.7%	17,907	19,696	1,789	10.0%
25.9%	17,884	19,695	1,810	10.1%
27.2%	17,880	19,632	1,752	9.8%
28.4%	17,774	19,363	1,589	8.9%
29.6%	17,692	19,233	1,541	8.7%
30.9%	17,589	19,179	1,590	9.0%
32.1%	17,522	19,058	1,536	8.8%
33.3%	17,502	18,908	1,406	8.0%
34.6%	17,378	18,901	1,523	8.8%
35.8%	17,322	18,896	1,574	9.1%
37.0%	17,288	18,860	1,572	9.1%
38.3%	17,248	18,647	1,398	8.1%
39.5%	17,061	18,602	1,540	9.0%
40.7%	17,027	18,573	1,545	9.1%
42.0%	16,684	18,472	1,788	10.7%
43.2%	16,596	18,231	1,635	9.9%
44.4%	16,535	18,149	1,614	9.8%
45.7%	16,470	18,079	1,609	9.8%
46.9%	16,415	18,053	1,639	10.0%
48.1%	16,324	18,049	1,725	10.6%
49.4%	16,308	18,001	1,694	10.4%
50.6%	16,236	17,947	1,711	10.5%
51.9%	16,209	17,921	1,712	10.6%
53.1%	16,189	17,881	1,692	10.5%
54.3%	16,153	17,880	1,727	10.7%
55.6%	16,088	17,777	1,689	10.5%
56.8%	15,949	17,664	1,715	10.8%
58.0%	15,885	17,522	1,637	10.3%
59.3%	15,807	17,453	1,646	10.4%
60.5%	15,652	17,321	1,669	10.7%
61.7%	15,378	17,259	1,880	12.2%
63.0%	15,259	17,105	1,846	12.1%
64.2%	15,239	17,060	1,820	11.9%
65.4%	15,166	16,930	1,764	11.6%
66.7%	15,141	16,627	1,487	9.8%
67.9%	15,134	16,366	1,232	8.1%
69.1%	15,057	16,351	1,294	8.6%
70.4%	14,860	16,026	1,167	7.9%
71.6%	14,841	16,015	1,174	7.9%
72.8%	14,818	15,928	1,110	7.5%
74.1%	14,739	15,895	1,156	7.8%
75.3%	14,526	15,444	918	6.3%
76.5%	14,511	15,342	830	5.7%
77.8%	14,003	15,311	1,308	9.3%
79.0%	13,950	15,194	1,244	8.9%
80.2%	13,945	14,501	556	4.0%
81.5%	13,927	14,449	521	3.7%
82.7%	13,850	14,192	342	2.5%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,969	1,106	8.6%
86.4%	12,049	13,275	1,225	10.2%
87.7%	11,919	12,959	1,039	8.7%
88.9%	11,864	12,794	930	7.8%
90.1%	11,737	12,737	1,000	8.5%
91.4%	11,273	12,099	825	7.3%
92.6%	11,216	12,084	869	7.7%
93.8%	10,842	11,942	1,100	10.1%
95.1%	10,764	11,694	930	8.6%
96.3%	10,409	11,216	807	7.7%
97.5%	10,264	10,836	572	5.6%
98.8%	8,516	8,116	-400	-4.7%
100.0%	7,219	7,980	761	10.5%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,892	18,878	985	5.5%
1.2%	17,838	17,916	78	0.4%
2.5%	17,235	17,632	397	2.3%
3.7%	16,949	17,623	674	4.0%
4.9%	16,030	17,233	1,203	7.5%
6.2%	15,647	17,108	1,460	9.3%
7.4%	15,546	17,032	1,486	9.6%
8.6%	15,479	16,753	1,273	8.2%
9.9%	15,472	16,682	1,210	7.8%
11.1%	15,434	16,663	1,230	8.0%
12.3%	15,180	16,654	1,474	9.7%
13.6%	14,976	16,639	1,663	11.1%
14.8%	14,783	16,537	1,754	11.9%
16.0%	14,692	15,874	1,182	8.0%
17.3%	14,636	15,838	1,203	8.2%
18.5%	14,592	15,808	1,216	8.3%
19.8%	14,572	15,745	1,173	8.1%
21.0%	14,453	15,570	1,117	7.7%
22.2%	14,382	15,569	1,187	8.3%
23.5%	14,100	15,264	1,163	8.2%
24.7%	14,086	15,100	1,014	7.2%
25.9%	14,057	14,928	872	6.2%
27.2%	13,977	14,863	886	6.3%
28.4%	13,953	14,829	876	6.3%
29.6%	13,783	14,449	667	4.8%
30.9%	13,778	14,342	563	4.1%
32.1%	13,716	14,273	557	4.1%
33.3%	13,709	14,190	481	3.5%
34.6%	13,662	14,176	514	3.8%
35.8%	13,657	14,165	509	3.7%
37.0%	13,510	14,113	602	4.5%
38.3%	13,509	14,071	562	4.2%
39.5%	13,473	13,900	428	3.2%
40.7%	13,433	13,807	374	2.8%
42.0%	13,413	13,732	319	2.4%
43.2%	13,398	13,722	324	2.4%
44.4%	13,371	13,681	310	2.3%
45.7%	13,300	13,589	289	2.2%
46.9%	13,205	13,551	346	2.6%
48.1%	13,149	13,334	185	1.4%
49.4%	13,145	13,118	-27	-0.2%
50.6%	13,065	13,080	15	0.1%
51.9%	12,905	13,074	169	1.3%
53.1%	12,734	12,961	228	1.8%
54.3%	12,727	12,882	156	1.2%
55.6%	12,558	12,841	283	2.3%
56.8%	12,300	12,761	461	3.8%
58.0%	12,298	12,633	335	2.7%
59.3%	12,259	12,405	145	1.2%
60.5%	12,234	12,235	1	0.0%
61.7%	12,061	12,093	32	0.3%
63.0%	12,019	11,930	-89	-0.7%
64.2%	11,964	11,867	-97	-0.8%
65.4%	11,954	11,642	-312	-2.6%
66.7%	11,907	11,595	-312	-2.6%
67.9%	11,620	11,586	-34	-0.3%
69.1%	11,521	11,516	-5	0.0%
70.4%	11,343	11,486	144	1.3%
71.6%	11,208	11,482	274	2.4%
72.8%	11,152	11,337	185	1.7%
74.1%	11,137	11,265	128	1.2%
75.3%	10,933	11,203	270	2.5%
76.5%	10,726	11,102	376	3.5%
77.8%	10,596	11,093	497	4.7%
79.0%	10,540	10,983	443	4.2%
80.2%	10,369	10,934	564	5.4%
81.5%	10,290	10,764	474	4.6%
82.7%	10,279	10,591	312	3.0%
84.0%	10,124	10,530	406	4.0%
85.2%	9,343	10,213	870	9.3%
86.4%	9,282	10,172	890	9.6%
87.7%	8,927	10,142	1,215	13.6%
88.9%	8,453	10,123	1,670	19.8%
90.1%	8,145	10,083	1,938	23.8%
91.4%	7,859	9,984	2,125	27.0%
92.6%	7,351	9,839	2,488	33.9%
93.8%	7,146	9,348	2,202	30.8%
95.1%	7,020	9,338	2,318	33.0%
96.3%	6,652	9,090	2,438	36.6%
97.5%	6,155	7,310	1,155	18.8%
98.8%	6,110	5,888	-221	-3.6%
100.0%	5,625	5,766	141	2.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,918	26,948	30	0.1%
1.2%	26,415	26,650	234	0.9%
2.5%	26,249	26,629	379	1.4%
3.7%	26,112	26,272	160	0.6%
4.9%	25,778	26,197	419	1.6%
6.2%	25,583	26,189	607	2.4%
7.4%	25,062	26,167	1,105	4.4%
8.6%	24,988	25,891	903	3.6%
9.9%	24,860	25,794	933	3.8%
11.1%	24,806	25,568	762	3.1%
12.3%	24,764	25,343	578	2.3%
13.6%	24,458	25,251	793	3.2%
14.8%	24,124	24,979	855	3.5%
16.0%	24,123	24,894	771	3.2%
17.3%	23,696	24,894	1,198	5.1%
18.5%	23,204	24,653	1,449	6.2%
19.8%	22,470	24,487	2,017	9.0%
21.0%	21,907	24,472	2,565	11.7%
22.2%	21,497	24,366	2,869	13.3%
23.5%	21,290	24,327	3,037	14.3%
24.7%	20,678	23,302	2,624	12.7%
25.9%	20,239	20,651	412	2.0%
27.2%	20,207	20,070	-137	-0.7%
28.4%	19,554	19,807	253	1.3%
29.6%	18,825	19,194	370	2.0%
30.9%	18,776	19,151	375	2.0%
32.1%	18,626	19,112	486	2.6%
33.3%	18,487	19,035	548	3.0%
34.6%	18,279	18,946	666	3.6%
35.8%	17,637	18,068	431	2.4%
37.0%	17,575	17,910	335	1.9%
38.3%	17,542	17,877	335	1.9%
39.5%	17,405	17,724	319	1.8%
40.7%	17,195	17,575	380	2.2%
42.0%	15,549	17,459	1,910	12.3%
43.2%	15,092	16,937	1,845	12.2%
44.4%	14,175	15,768	1,593	11.2%
45.7%	12,552	15,506	2,954	23.5%
46.9%	12,409	13,528	1,119	9.0%
48.1%	12,374	13,011	638	5.2%
49.4%	12,143	12,561	418	3.4%
50.6%	11,310	12,541	1,231	10.9%
51.9%	11,306	12,462	1,156	10.2%
53.1%	11,060	12,373	1,313	11.9%
54.3%	10,888	12,331	1,443	13.3%
55.6%	10,883	11,968	1,085	10.0%
56.8%	10,728	11,866	1,138	10.6%
58.0%	10,708	11,728	1,020	9.5%
59.3%	10,676	11,622	946	8.9%
60.5%	10,487	11,556	1,069	10.2%
61.7%	10,419	11,546	1,127	10.8%
63.0%	10,364	11,537	1,173	11.3%
64.2%	10,294	11,436	1,142	11.1%
65.4%	9,970	11,215	1,244	12.5%
66.7%	9,840	10,979	1,138	11.6%
67.9%	9,687	10,929	1,242	12.8%
69.1%	9,560	10,781	1,222	12.8%
70.4%	9,490	10,712	1,222	12.9%
71.6%	9,482	10,569	1,087	11.5%
72.8%	9,383	10,426	1,044	11.1%
74.1%	9,113	10,354	1,242	13.6%
75.3%	8,971	10,332	1,361	15.2%
76.5%	8,941	10,238	1,296	14.5%
77.8%	8,773	10,064	1,291	14.7%
79.0%	8,592	10,051	1,459	17.0%
80.2%	8,495	10,021	1,526	18.0%
81.5%	8,423	9,989	1,566	18.6%
82.7%	8,361	9,630	1,268	15.2%
84.0%	8,264	9,301	1,037	12.5%
85.2%	7,553	9,137	1,584	21.0%
86.4%	7,509	8,878	1,369	18.2%
87.7%	7,482	8,676	1,194	16.0%
88.9%	7,350	8,611	1,261	17.2%
90.1%	7,118	8,530	1,412	19.8%
91.4%	6,915	8,387	1,473	21.3%
92.6%	6,864	7,920	1,056	15.4%
93.8%	6,785	7,715	930	13.7%
95.1%	6,641	7,124	484	7.3%
96.3%	6,398	6,625	228	3.6%
97.5%	6,288	6,432	144	2.3%
98.8%	6,261	6,339	78	1.2%
100.0%	4,458	6,226	1,768	39.7%

Table SW-17-3a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,172	15,682	23,091	31,365	36,579	32,466	23,227	19,060	16,650	19,620	15,164	17,563
Alternative A	11,865	16,387	22,693	30,368	35,512	31,374	23,015	19,069	17,137	20,735	15,989	18,612
Difference	693	705	-397	-997	-1,067	-1,092	-212	8	487	1,115	825	1,049
Percent Difference[3]	6.2%	4.5%	-1.7%	-3.2%	-2.9%	-3.4%	-0.9%	0.0%	2.9%	5.7%	5.4%	6.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,338	20,484	25,564	50,411	56,680	49,433	37,987	31,825	23,961	20,124	16,085	27,628
Alternative A	14,639	20,982	24,865	49,851	55,920	49,174	37,844	31,867	24,655	21,162	16,285	28,431
Difference	1,301	498	-700	-560	-760	-259	-143	42	694	1,038	201	803
Percent Difference	9.8%	2.4%	-2.7%	-1.1%	-1.3%	-0.5%	-0.4%	0.1%	2.9%	5.2%	1.2%	2.9%
Above Normal (15%)												
No Action Alternative	11,935	17,421	24,224	38,198	44,607	43,898	26,018	20,801	16,641	22,067	16,588	20,659
Alternative A	12,555	18,628	22,960	36,479	43,127	43,191	25,637	20,719	17,051	23,628	16,750	21,409
Difference	620	1,207	-1,264	-1,719	-1,480	-706	-382	-82	409	1,561	161	750
Percent Difference	5.2%	6.9%	-5.2%	-4.5%	-3.3%	-1.6%	-1.5%	-0.4%	2.5%	7.1%	1.0%	3.6%
Below Normal (17%)												
No Action Alternative	11,731	16,232	27,522	22,823	30,766	23,248	17,458	14,007	13,725	21,453	15,848	12,256
Alternative A	12,515	17,248	27,995	20,637	29,969	21,392	17,240	13,822	14,451	22,567	16,428	13,867
Difference	784	1,016	473	-2,186	-797	-1,856	-219	-186	726	1,114	580	1,611
Percent Difference	6.7%	6.3%	1.7%	-9.6%	-2.6%	-8.0%	-1.3%	-1.3%	5.3%	5.2%	3.7%	13.1%
Dry (22%)												
No Action Alternative	9,495	12,396	22,286	17,254	21,222	20,408	13,167	10,883	12,636	19,263	15,856	11,256
Alternative A	9,531	13,199	22,293	16,484	19,749	18,071	12,788	10,998	12,901	20,441	17,395	12,440
Difference	37	803	7	-769	-1,473	-2,337	-379	114	264	1,178	1,539	1,184
Percent Difference	0.4%	6.5%	0.0%	-4.5%	-6.9%	-11.5%	-2.9%	1.1%	2.1%	6.1%	9.7%	10.5%
Critical (15%)												
No Action Alternative	7,580	7,826	12,634	14,400	14,816	13,115	10,275	7,824	10,256	14,478	9,913	8,310
Alternative A	7,909	7,969	12,136	14,222	13,789	12,591	10,342	7,917	10,424	15,219	11,967	9,334
Difference	329	143	-498	-178	-1,026	-524	67	93	168	741	2,054	1,024
Percent Difference	4.3%	1.8%	-3.9%	-1.2%	-6.9%	-4.0%	0.7%	1.2%	1.6%	5.1%	20.7%	12.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-17-3b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

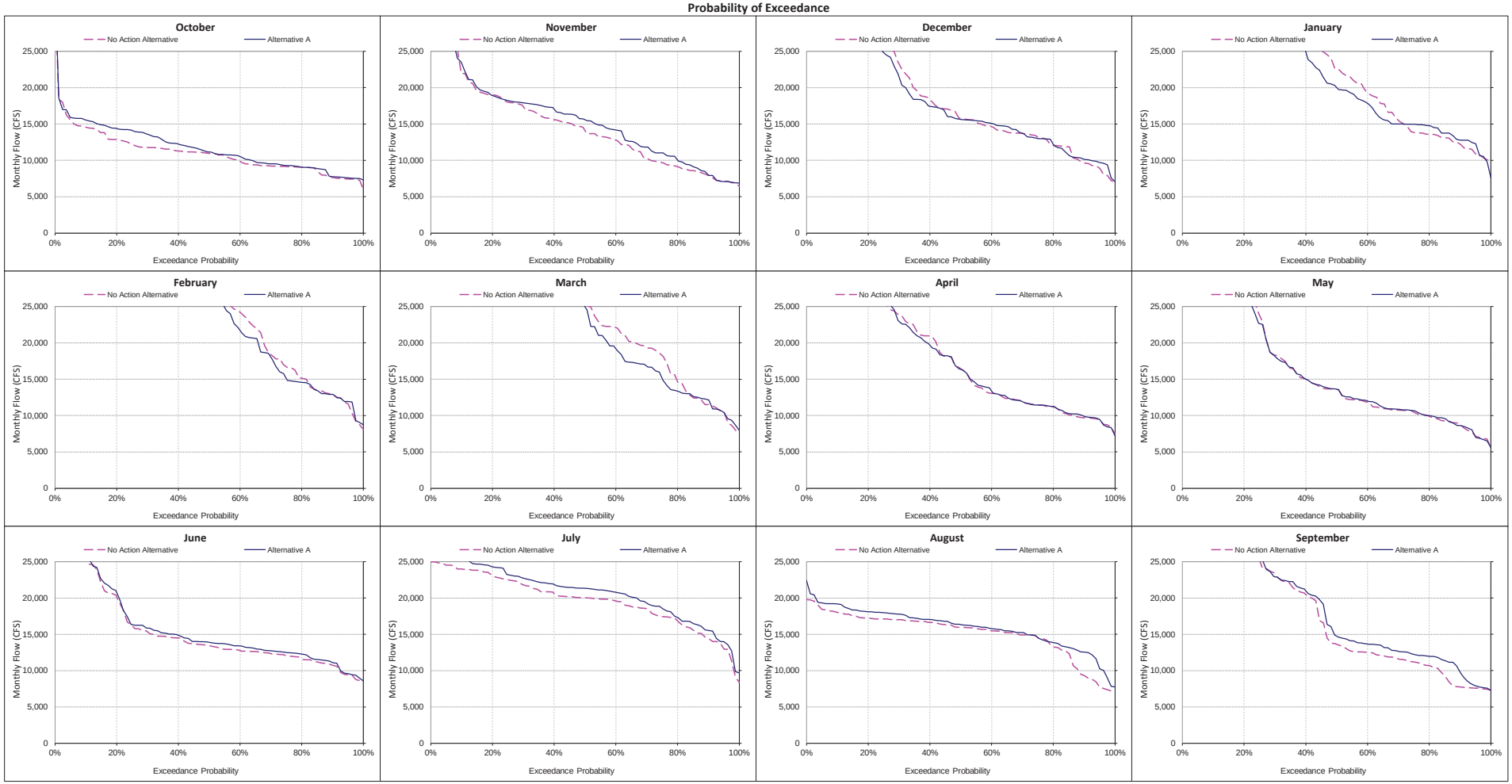

Table SW-17-3b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,173	35,230	2,057	6.2%
1.2%	18,408	18,617	209	1.1%
2.5%	18,000	16,985	-1,015	-5.6%
3.7%	16,227	16,965	738	4.5%
4.9%	15,586	15,911	325	2.1%
6.2%	14,995	15,826	831	5.5%
7.4%	14,765	15,794	1,029	7.0%
8.6%	14,742	15,770	1,028	7.0%
9.9%	14,603	15,566	963	6.6%
11.1%	14,455	15,411	956	6.6%
12.3%	14,410	15,334	924	6.4%
13.6%	14,237	15,029	792	5.6%
14.8%	13,836	14,887	1,050	7.6%
16.0%	13,810	14,817	1,007	7.3%
17.3%	12,912	14,641	1,728	13.4%
18.5%	12,892	14,435	1,543	12.0%
19.8%	12,887	14,414	1,527	11.8%
21.0%	12,760	14,263	1,504	11.8%
22.2%	12,683	14,254	1,572	12.4%
23.5%	12,516	14,233	1,717	13.7%
24.7%	12,245	14,155	1,910	15.6%
25.9%	12,026	13,969	1,942	16.1%
27.2%	11,856	13,895	2,039	17.2%
28.4%	11,789	13,841	2,052	17.4%
29.6%	11,775	13,655	1,880	16.0%
30.9%	11,772	13,487	1,715	14.6%
32.1%	11,771	13,253	1,482	12.6%
33.3%	11,726	13,235	1,509	12.9%
34.6%	11,640	12,908	1,268	10.9%
35.8%	11,549	12,574	1,025	8.9%
37.0%	11,538	12,382	845	7.3%
38.3%	11,418	12,368	951	8.3%
39.5%	11,318	12,309	991	8.8%
40.7%	11,257	12,158	900	8.0%
42.0%	11,200	12,044	844	7.5%
43.2%	11,169	11,912	744	6.7%
44.4%	11,152	11,813	660	5.9%
45.7%	11,141	11,701	560	5.0%
46.9%	11,138	11,521	383	3.4%
48.1%	11,063	11,347	284	2.6%
49.4%	11,002	11,185	183	1.7%
50.6%	10,936	11,143	207	1.9%
51.9%	10,918	10,918	0	0.0%
53.1%	10,755	10,816	62	0.6%
54.3%	10,748	10,803	55	0.5%
55.6%	10,460	10,754	295	2.8%
56.8%	10,290	10,743	453	4.4%
58.0%	10,109	10,730	620	6.1%
59.3%	10,108	10,629	521	5.2%
60.5%	9,696	10,443	747	7.7%
61.7%	9,531	10,147	616	6.5%
63.0%	9,482	10,070	589	6.2%
64.2%	9,400	9,946	546	5.8%
65.4%	9,396	9,686	291	3.1%
66.7%	9,281	9,674	393	4.2%
67.9%	9,271	9,632	361	3.9%
69.1%	9,239	9,536	297	3.2%
70.4%	9,229	9,535	307	3.3%
71.6%	9,207	9,515	309	3.4%
72.8%	9,182	9,419	236	2.6%
74.1%	9,164	9,313	149	1.6%
75.3%	9,149	9,279	131	1.4%
76.5%	9,123	9,271	148	1.6%
77.8%	9,112	9,219	108	1.2%
79.0%	9,077	9,149	72	0.8%
80.2%	9,066	9,041	-24	-0.3%
81.5%	9,024	9,024	0	0.0%
82.7%	8,995	8,995	0	0.0%
84.0%	8,973	8,954	-19	-0.2%
85.2%	8,442	8,865	423	5.0%
86.4%	8,003	8,797	794	9.9%
87.7%	7,942	8,718	776	9.8%
88.9%	7,702	7,826	125	1.6%
90.1%	7,655	7,758	103	1.3%
91.4%	7,535	7,723	188	2.5%
92.6%	7,496	7,710	214	2.9%
93.8%	7,471	7,653	182	2.4%
95.1%	7,439	7,567	128	1.7%
96.3%	7,435	7,530	94	1.3%
97.5%	7,417	7,525	108	1.5%
98.8%	7,254	7,500	246	3.4%
100.0%	5,947	7,306	1,359	22.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,737	54,541	-197	-0.4%
1.2%	48,575	47,816	-759	-1.6%
2.5%	47,715	46,291	-1,424	-3.0%
3.7%	36,242	34,651	-1,591	-4.4%
4.9%	32,262	33,407	1,145	3.5%
6.2%	26,903	26,430	-473	-1.8%
7.4%	25,756	26,286	530	2.1%
8.6%	25,325	24,058	-1,267	-5.0%
9.9%	21,956	23,514	1,558	7.1%
11.1%	21,954	22,224	270	1.2%
12.3%	20,776	21,108	332	1.6%
13.6%	20,598	21,071	473	2.3%
14.8%	19,626	20,144	518	2.6%
16.0%	19,369	19,674	305	1.6%
17.3%	19,239	19,520	281	1.5%
18.5%	19,052	19,369	318	1.7%
19.8%	18,997	18,942	-55	-0.3%
21.0%	18,984	18,792	-191	-1.0%
22.2%	18,774	18,554	-220	-1.2%
23.5%	18,396	18,425	29	0.2%
24.7%	18,035	18,272	237	1.3%
25.9%	17,954	18,136	181	1.0%
27.2%	17,950	18,030	81	0.4%
28.4%	17,754	17,994	241	1.4%
29.6%	17,626	17,942	315	1.8%
30.9%	16,889	17,873	984	5.8%
32.1%	16,881	17,817	936	5.5%
33.3%	16,769	17,731	962	5.7%
34.6%	16,441	17,661	1,220	7.4%
35.8%	16,074	17,527	1,453	9.0%
37.0%	15,845	17,380	1,535	9.7%
38.3%	15,815	17,316	1,501	9.5%
39.5%	15,602	17,293	1,692	10.8%
40.7%	15,550	16,649	1,099	7.1%
42.0%	15,404	16,563	1,159	7.5%
43.2%	15,224	16,384	1,160	7.6%
44.4%	15,197	16,381	1,184	7.8%
45.7%	15,052	16,348	1,296	8.6%
46.9%	14,715	16,218	1,504	10.2%
48.1%	14,682	15,747	1,065	7.3%
49.4%	14,551	15,702	1,151	7.9%
50.6%	13,676	15,451	1,776	13.0%
51.9%	13,674	15,441	1,767	12.9%
53.1%	13,669	15,066	1,397	10.2%
54.3%	13,255	14,872	1,617	12.2%
55.6%	13,247	14,851	1,604	12.1%
56.8%	13,201	14,499	1,299	9.8%
58.0%	13,050	14,307	1,257	9.6%
59.3%	12,886	14,256	1,369	10.6%
60.5%	12,707	14,122	1,415	11.1%
61.7%	12,187	14,057	1,870	15.3%
63.0%	12,171	12,779	608	5.0%
64.2%	12,062	12,646	584	4.8%
65.4%	11,505	12,600	1,095	9.5%
66.7%	11,222	12,364	1,143	10.2%
67.9%	11,186	11,924	738	6.6%
69.1%	10,272	11,835	1,563	15.2%
70.4%	10,200	11,819	1,619	15.9%
71.6%	9,958	11,284	1,326	13.3%
72.8%	9,863	11,024	1,161	11.8%
74.1%	9,763	11,023	1,260	12.9%
75.3%	9,683	11,023	1,340	13.8%
76.5%	9,385	10,645	1,260	13.4%
77.8%	9,339	10,591	1,252	13.4%
79.0%	9,252	10,583	1,331	14.4%
80.2%	9,101	9,920	819	9.0%
81.5%	8,849	9,780	931	10.5%
82.7%	8,761	9,457	696	7.9%
84.0%	8,625	9,398	773	9.0%
85.2%	8,582	9,127	544	6.3%
86.4%	8,476	8,930	453	5.3%
87.7%	8,322	8,575	253	3.0%
88.9%	8,130	8,476	347	4.3%
90.1%	7,873	7,926	53	0.7%
91.4%	7,613	7,923	310	4.1%
92.6%	7,222	7,284	62	0.9%
93.8%	7,180	7,121	-59	-0.8%
95.1%	7,147	7,092	-55	-0.8%
96.3%	7,126	7,078	-48	-0.7%
97.5%	6,929	6,986	58	0.8%
98.8%	6,888	6,929	41	0.6%
100.0%	6,442	6,888	446	6.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,389	76,401	13	0.0%
1.2%	75,019	73,818	-1,200	-1.6%
2.5%	68,488	66,432	-2,056	-3.0%
3.7%	59,787	59,692	-95	-0.2%
4.9%	58,754	58,705	-50	-0.1%
6.2%	57,801	57,710	-90	-0.2%
7.4%	50,442	50,055	-387	-0.8%
8.6%	50,083	49,910	-172	-0.3%
9.9%	49,647	49,407	-240	-0.5%
11.1%	48,048	45,534	-2,514	-5.2%
12.3%	44,685	44,836	151	0.3%
13.6%	43,096	39,750	-3,346	-7.8%
14.8%	40,888	38,717	-2,172	-5.3%
16.0%	36,649	38,377	1,728	4.7%
17.3%	35,052	36,895	1,843	5.3%
18.5%	34,993	35,147	154	0.4%
19.8%	34,964	35,143	179	0.5%
21.0%	33,588	30,683	-2,904	-8.6%
22.2%	33,238	29,575	-3,663	-11.0%
23.5%	28,695	26,636	-2,059	-7.2%
24.7%	27,977	24,925	-3,052	-10.9%
25.9%	26,253	24,461	-1,792	-6.8%
27.2%	25,446	24,193	-1,253	-4.9%
28.4%	24,999	22,927	-2,072	-8.3%
29.6%	23,549	21,874	-1,675	-7.1%
30.9%	22,583	20,342	-2,242	-9.9%
32.1%	21,928	19,992	-1,935	-8.8%
33.3%	21,356	19,126	-2,230	-10.4%
34.6%	20,069	18,404	-1,666	-8.3%
35.8%	19,577	18,391	-1,186	-6.1%
37.0%	18,886	18,353	-533	-2.8%
38.3%	18,768	18,124	-644	-3.4%
39.5%	18,634	17,493	-1,141	-6.1%
40.7%	18,050	17,387	-663	-3.7%
42.0%	17,481	17,311	-170	-1.0%
43.2%	17,257	17,183	-74	-0.4%
44.4%	17,098	16,949	-149	-0.9%
45.7%	17,053	16,017	-1,036	-6.1%
46.9%	16,897	15,972	-925	-5.5%
48.1%	16,744	15,765	-980	-5.9%
49.4%	15,855	15,659	-196	-1.2%
50.6%	15,692	15,611	-81	-0.5%
51.9%	15,643	15,581	-62	-0.4%
53.1%	15,616	15,537	-78	-0.5%
54.3%	15,576	15,512	-64	-0.4%
55.6%	15,101	15,436	335	2.2%
56.8%	14,987	15,399	411	2.7%
58.0%	14,775	15,218	443	3.0%
59.3%	14,771	15,138	367	2.5%
60.5%	14,567	15,034	467	3.2%
61.7%	14,165	14,811	646	4.6%
63.0%	14,127	14,760	633	4.5%
64.2%	14,019	14,745	725	5.2%
65.4%	13,834	14,630	796	5.8%
66.7%	13,778	14,287	509	3.7%
67.9%	13,764	14,258	494	3.6%
69.1%	13,761	13,838	78	0.6%
70.4%	13,669	13,674	5	0.0%
71.6%	13,640	13,241	-400	-2.9%
72.8%	13,490	13,206	-284	-2.1%
74.1%	13,435	13,085	-351	-2.6%
75.3%	13,125	12,975	-149	-1.1%
76.5%	13,056	12,968	-88	-0.7%
77.8%	12,887	12,942	56	0.4%
79.0%	12,187	12,914	727	6.0%
80.2%	12,091	11,997	-94	-0.8%
81.5%	12,022	11,766	-256	-2.1%
82.7%	11,961	11,671	-290	-2.4%
84.0%	11,869	11,149	-719	-6.1%
85.2%	11,858	10,652	-1,206	-10.2%
86.4%	10,333	10,441	108	1.0%
87.7%	10,192	10,395	202	2.0%
88.9%	9,843	10,330	487	4.9%
90.1%	9,621	10,111	490	5.1%
91.4%	9,579	10,076	497	5.2%
92.6%	9,289	9,951	662	7.1%
93.8%	9,264	9,886	622	6.7%
95.1%	8,882	9,707	824	9.3%
96.3%	8,022	9,584	1,562	19.5%
97.5%	7,909	9,382	1,473	18.6%
98.8%	7,206	7,568	362	5.0%
100.0%	7,056	7,099	43	0.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,032	78,154	122	0.2%
1.2%	76,980	76,960	-21	0.0%
2.5%	75,120	74,420	-700	-0.9%
3.7%	72,485	72,488	2	0.0%
4.9%	70,918	70,410	-509	-0.7%
6.2%	68,682	66,393	-2,290	-3.3%
7.4%	65,369	64,772	-596	-0.9%
8.6%	63,337	63,739	402	0.6%
9.9%	62,358	62,450	91	0.1%
11.1%	62,111	61,500	-611	-1.0%
12.3%	59,071	59,222	151	0.3%
13.6%	58,883	57,624	-1,258	-2.1%
14.8%	58,606	57,426	-1,180	-2.0%
16.0%	58,555	57,180	-1,375	-2.3%
17.3%	57,434	56,696	-739	-1.3%
18.5%	56,890	56,331	-559	-1.0%
19.8%	55,475	53,892	-1,583	-2.9%
21.0%	55,336	53,161	-2,175	-3.9%
22.2%	48,320	47,306	-1,014	-2.1%
23.5%	47,301	46,763	-537	-1.1%
24.7%	46,762	44,936	-1,826	-3.9%
25.9%	46,322	43,150	-3,172	-6.8%
27.2%	45,288	42,302	-2,986	-6.6%
28.4%	42,879	40,867	-2,012	-4.7%
29.6%	42,639	38,602	-4,037	-9.5%
30.9%	38,630	37,352	-1,278	-3.3%
32.1%	38,259	37,237	-1,021	-2.7%
33.3%	36,857	34,664	-2,193	-5.9%
34.6%	36,738	33,979	-2,759	-7.5%
35.8%	31,543	30,936	-607	-1.9%
37.0%	30,792	29,166	-1,626	-5.3%
38.3%	27,650	26,126	-1,524	-5.5%
39.5%	26,809	25,637	-1,171	-4.4%
40.7%	26,767	23,886	-2,881	-10.8%
42.0%	26,687	23,467	-3,220	-12.1%
43.2%	25,572	22,792	-2,780	-10.9%
44.4%	25,473	22,399	-3,075	-12.1%
45.7%	24,903	21,421	-3,481	-14.0%
46.9%	24,545	20,642	-3,903	-15.9%
48.1%	24,044	20,519	-3,525	-14.7%
49.4%	22,653	20,322	-2,330	-10.3%
50.6%	22,532	19,743	-2,789	-12.4%
51.9%	21,971	19,688	-2,283	-10.4%
53.1%	21,683	19,640	-2,043	-9.4%
54.3%	21,491	19,343	-2,148	-10.0%
55.6%	20,936	19,087	-1,849	-8.8%
56.8%	20,559	18,503	-2,056	-10.0%
58.0%	20,529	18,299	-2,230	-10.9%
59.3%	19,623	18,044	-1,579	-8.0%
60.5%	19,118	17,709	-1,408	-7.4%
61.7%	18,833	17,151	-1,682	-8.9%
63.0%	18,683	16,368	-2,315	-12.4%
64.2%	17,841	15,830	-2,011	-11.3%
65.4%	17,771	15,581	-2,191	-12.3%
66.7%	16,596	15,457	-1,139	-6.9%
67.9%	16,596	15,020	-1,576	-9.5%
69.1%	15,892	15,016	-876	-5.5%
70.4%	15,369	15,011	-358	-2.3%
71.6%	15,026	14,997	-30	-0.2%
72.8%	14,694	14,975	282	1.9%
74.1%	13,951	14,969	1,018	7.3%
75.3%	13,831	14,968	1,137	8.2%
76.5%	13,793	14,908	1,116	8.1%
77.8%	13,760	14,898	1,138	8.3%
79.0%	13,618	14,784	1,166	8.6%
80.2%	13,585	14,754	1,169	8.6%
81.5%	13,577	14,506	929	6.8%
82.7%	13,426	14,465	1,039	7.7%
84.0%	13,173	13,763	590	4.5%
85.2%	13,123	13,761	638	4.9%
86.4%	13,059	13,746	688	5.3%
87.7%	12,553	13,412	859	6.8%
88.9%	12,528	12,881	353	2.8%
90.1%	12,229	12,792	563	4.6%
91.4%	11,690	12,785	1,094	9.4%
92.6%	11,657	12,776	1,119	9.6%
93.8%	11,534	12,478	944	8.2%
95.1%	10,892	12,277	1,385	12.7%
96.3%	10,810	10,643	-167	-1.5%
97.5%	10,351	10,537	186	1.8%
98.8%	10,074	9,775	-299	-3.0%
100.0%	9,911	7,540	-2,372	-23.9%

Table SW-17-3b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,791	-3	0.0%
1.2%	74,223	74,222	-1	0.0%
2.5%	73,784	74,031	246	0.3%
3.7%	72,104	72,098	-6	0.0%
4.9%	70,602	70,480	-123	-0.2%
6.2%	69,733	69,327	-406	-0.6%
7.4%	69,197	68,714	-482	-0.7%
8.6%	68,692	68,696	4	0.0%
9.9%	67,996	67,800	-196	-0.3%
11.1%	67,424	66,934	-490	-0.7%
12.3%	66,900	66,869	-31	0.0%
13.6%	65,473	65,222	-251	-0.4%
14.8%	64,556	64,552	-4	0.0%
16.0%	62,484	62,485	2	0.0%
17.3%	61,933	61,436	-497	-0.8%
18.5%	61,706	60,804	-902	-1.5%
19.8%	60,800	60,344	-456	-0.7%
21.0%	59,574	59,599	25	0.0%
22.2%	59,070	59,081	11	0.0%
23.5%	58,982	58,230	-752	-1.3%
24.7%	56,851	57,799	948	1.7%
25.9%	51,946	52,227	280	0.5%
27.2%	51,910	50,221	-1,688	-3.3%
28.4%	50,675	48,909	-1,767	-3.5%
29.6%	48,909	46,858	-2,051	-4.2%
30.9%	48,464	46,331	-2,133	-4.4%
32.1%	48,124	45,714	-2,411	-5.0%
33.3%	47,880	45,418	-2,461	-5.1%
34.6%	47,858	44,885	-2,973	-6.2%
35.8%	46,829	44,396	-2,433	-5.2%
37.0%	45,171	43,956	-1,215	-2.7%
38.3%	43,580	42,137	-1,443	-3.3%
39.5%	43,526	41,247	-2,279	-5.2%
40.7%	42,193	40,221	-1,971	-4.7%
42.0%	41,922	40,171	-1,752	-4.2%
43.2%	39,365	39,375	10	0.0%
44.4%	36,163	34,228	-1,935	-5.4%
45.7%	34,709	31,976	-2,733	-7.9%
46.9%	34,242	31,586	-2,656	-7.8%
48.1%	33,712	30,340	-3,372	-10.0%
49.4%	33,702	28,700	-5,002	-14.8%
50.6%	32,704	28,609	-4,094	-12.5%
51.9%	30,031	27,841	-2,191	-7.3%
53.1%	28,936	27,103	-1,832	-6.3%
54.3%	28,515	25,368	-3,146	-11.0%
55.6%	27,064	24,422	-2,642	-9.8%
56.8%	25,135	24,005	-1,130	-4.5%
58.0%	24,624	22,643	-1,981	-8.0%
59.3%	24,497	22,132	-2,365	-9.7%
60.5%	24,022	21,405	-2,617	-10.9%
61.7%	23,538	20,871	-2,667	-11.3%
63.0%	22,872	20,740	-2,132	-9.3%
64.2%	22,338	20,662	-1,677	-7.5%
65.4%	21,944	20,594	-1,350	-6.2%
66.7%	21,406	18,749	-2,657	-12.4%
67.9%	19,641	18,667	-974	-5.0%
69.1%	18,666	18,562	-104	-0.6%
70.4%	18,241	17,763	-478	-2.6%
71.6%	17,802	16,738	-1,063	-6.0%
72.8%	17,801	16,026	-1,775	-10.0%
74.1%	16,997	15,780	-1,217	-7.2%
75.3%	16,618	14,851	-1,767	-10.6%
76.5%	16,589	14,773	-1,815	-10.9%
77.8%	16,268	14,683	-1,585	-9.7%
79.0%	15,202	14,626	-576	-3.8%
80.2%	15,094	14,555	-539	-3.6%
81.5%	15,020	14,505	-516	-3.4%
82.7%	13,913	14,278	365	2.6%
84.0%	13,667	13,627	-40	-0.3%
85.2%	13,414	13,398	-16	-0.1%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,929	-99	-0.8%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,462	-59	-0.5%
92.6%	12,434	12,399	-35	-0.3%
93.8%	11,885	11,945	60	0.5%
95.1%	11,569	11,937	368	3.2%
96.3%	10,326	11,880	1,554	15.0%
97.5%	9,176	9,321	145	1.6%
98.8%	8,732	9,026	294	3.4%
100.0%	8,072	8,727	656	8.1%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,370	0	0.0%
1.2%	77,333	77,401	68	0.1%
2.5%	72,349	72,351	2	0.0%
3.7%	70,805	70,402	-404	-0.6%
4.9%	68,249	68,248	-1	0.0%
6.2%	68,107	68,108	1	0.0%
7.4%	67,663	66,995	-668	-1.0%
8.6%	66,230	66,523	293	0.4%
9.9%	61,306	61,309	3	0.0%
11.1%	61,102	61,105	3	0.0%
12.3%	60,661	60,660	-2	0.0%
13.6%	59,092	58,192	-900	-1.5%
14.8%	57,412	57,398	-14	0.0%
16.0%	57,384	57,387	2	0.0%
17.3%	55,039	54,773	-267	-0.5%
18.5%	54,767	52,998	-1,770	-3.2%
19.8%	52,762	52,837	75	0.1%
21.0%	48,528	48,272	-256	-0.5%
22.2%	47,733	47,469	-263	-0.6%
23.5%	46,956	46,949	-7	0.0%
24.7%	44,697	45,833	1,136	2.5%
25.9%	44,500	43,348	-1,152	-2.6%
27.2%	43,331	42,239	-1,092	-2.5%
28.4%	43,017	40,909	-2,108	-4.9%
29.6%	41,621	40,569	-1,051	-2.5%
30.9%	41,574	37,486	-4,088	-9.8%
32.1%	40,443	37,006	-3,437	-8.5%
33.3%	37,799	34,160	-3,639	-9.6%
34.6%	36,156	33,973	-2,183	-6.0%
35.8%	34,672	33,937	-735	-2.1%
37.0%	34,122	33,596	-526	-1.5%
38.3%	33,963	33,488	-475	-1.4%
39.5%	33,632	33,026	-606	-1.8%
40.7%	32,449	32,304	-145	-0.4%
42.0%	32,269	30,210	-2,059	-6.4%
43.2%	29,803	28,295	-1,508	-5.1%
44.4%	29,086	27,944	-1,142	-3.9%
45.7%	28,903	27,796	-1,107	-3.8%
46.9%	27,956	27,616	-340	-1.2%
48.1%	27,700	26,955	-745	-2.7%
49.4%	25,304	25,329	25	0.1%
50.6%	25,156	24,529	-627	-2.5%
51.9%	24,930	22,264	-2,666	-10.7%
53.1%	23,700	22,237	-1,463	-6.2%
54.3%	22,920	21,038	-1,882	-8.2%
55.6%	22,379	20,995	-1,385	-6.2%
56.8%	22,277	20,340	-1,937	-8.7%
58.0%	22,258	19,592	-2,666	-12.0%
59.3%	22,243	19,572	-2,672	-12.0%
60.5%	22,025	18,931	-3,094	-14.0%
61.7%	21,282	18,411	-2,871	-13.5%
63.0%	21,005	17,462	-3,543	-16.9%
64.2%	20,217	17,352	-2,865	-14.2%
65.4%	20,183	17,310	-2,874	-14.2%
66.7%	19,912	17,211	-2,701	-13.6%
67.9%	19,673	17,095	-2,578	-13.1%
69.1%	19,616	17,051	-2,565	-13.1%
70.4%	19,312	16,699	-2,613	-13.5%
71.6%	19,248	16,661	-2,587	-13.4%
72.8%	18,990	16,158	-2,832	-14.9%
74.1%	18,589	15,993	-2,596	-14.0%
75.3%	18,144	14,843	-3,301	-18.2%
76.5%	17,176	14,146	-3,030	-17.6%
77.8%	15,686	13,571	-2,115	-13.5%
79.0%	15,644	13,466	-2,178	-13.9%
80.2%	14,414	13,336	-1,078	-7.5%
81.5%	14,368	13,097	-1,271	-8.8%
82.7%	13,338	13,035	-303	-2.3%
84.0%	12,820	13,030	210	1.6%
85.2%	12,411	12,611	200	1.6%
86.4%	12,376	12,535	159	1.3%
87.7%	12,126	12,365	239	2.0%
88.9%	11,529	12,289	760	6.6%
90.1%	11,503	12,146	642	5.6%
91.4%	11,321	10,929	-392	-3.5%
92.6%	11,050	10,884	-166	-1.5%
93.8%	10,657	10,751	94	0.9%
95.1%	10,545	10,386	-159	-1.5%
96.3%	8,963	9,568	605	6.7%
97.5%	8,655	9,363	708	8.2%
98.8%	7,975	8,695	720	9.0%
100.0%	7,762	7,971	209	2.7%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	72,121	1	0.0%
1.2%	67,572	67,570	-2	0.0%
2.5%	64,589	64,587	-1	0.0%
3.7%	57,018	57,019	1	0.0%
4.9%	56,211	56,215	4	0.0%
6.2%	54,548	54,549	1	0.0%
7.4%	54,444	53,567	-877	-1.6%
8.6%	53,572	52,762	-810	-1.5%
9.9%	50,443	49,943	-500	-1.0%
11.1%	49,942	48,942	-1,001	-2.0%
12.3%	45,516	45,507	-9	0.0%
13.6%	42,694	42,680	-14	0.0%
14.8%	42,149	41,928	-220	-0.5%
16.0%	41,922	39,779	-2,143	-5.1%
17.3%	40,409	39,256	-1,154	-2.9%
18.5%	39,765	38,847	-919	-2.3%
19.8%	38,864	37,492	-1,372	-3.5%
21.0%	37,739	35,153	-2,586	-6.9%
22.2%	34,677	34,676	-1	0.0%
23.5%	34,105	33,197	-908	-2.7%
24.7%	33,091	32,766	-324	-1.0%
25.9%	25,221	25,327	106	0.4%
27.2%	24,551	25,196	646	2.6%
28.4%	24,410	24,522	112	0.5%
29.6%	23,949	23,087	-862	-3.6%
30.9%	23,775	22,601	-1,174	-4.9%
32.1%	22,975	22,556	-419	-1.8%
33.3%	22,600	22,097	-503	-2.2%
34.6%	22,549	21,418	-1,131	-5.0%
35.8%	21,557	20,973	-584	-2.7%
37.0%	21,088	20,706	-382	-1.8%
38.3%	20,971	20,210	-761	-3.6%
39.5%	20,969	19,884	-1,085	-5.2%
40.7%	20,879	19,308	-1,571	-7.5%
42.0%	20,137	19,111	-1,026	-5.1%
43.2%	18,687	18,376	-310	-1.7%
44.4%	18,189	18,254	66	0.4%
45.7%	18,156	18,213	58	0.3%
46.9%	18,074	18,080	6	0.0%
48.1%	16,807	16,878	71	0.4%
49.4%	16,657	16,452	-205	-1.2%
50.6%	16,272	16,275	4	0.0%
51.9%	15,863	15,863	0	0.0%
53.1%	14,935	15,017	82	0.5%
54.3%	14,162	14,677	515	3.6%
55.6%	13,912	14,164	252	1.8%
56.8%	13,807	14,050	242	1.8%
58.0%	13,252	13,915	663	5.0%
59.3%	13,081	13,828	746	5.7%
60.5%	13,042	13,044	2	0.0%
61.7%	13,023	13,002	-21	-0.2%
63.0%	12,725	12,803	79	0.6%
64.2%	12,369	12,788	418	3.4%
65.4%	12,307	12,376	69	0.6%
66.7%	12,294	12,184	-110	-0.9%
67.9%	12,180	12,115	-65	-0.5%
69.1%	12,075	12,075	0	0.0%
70.4%	11,720	11,838	118	1.0%
71.6%	11,695	11,661	-35	-0.3%
72.8%	11,589	11,525	-63	-0.5%
74.1%	11,530	11,461	-69	-0.6%
75.3%	11,430	11,449	18	0.2%
76.5%	11,397	11,435	38	0.3%
77.8%	11,273	11,381	108	1.0%
79.0%	11,263	11,269	6	0.1%
80.2%	11,216	11,222	7	0.1%
81.5%	10,880	10,881	1	0.0%
82.7%	10,379	10,711	331	3.2%
84.0%	10,306	10,419	113	1.1%
85.2%	10,093	10,262	168	1.7%
86.4%	10,035	10,231	195	1.9%
87.7%	9,830	10,214	384	3.9%
88.9%	9,729	10,088	358	3.7%
90.1%	9,711	9,887	176	1.8%
91.4%	9,684	9,765	81	0.8%
92.6%	9,613	9,727	114	1.2%
93.8%	9,558	9,683	125	1.3%
95.1%	9,441	9,443	2	0.0%
96.3%	8,806	8,680	-126	-1.4%
97.5%	8,710	8,435	-275	-3.2%
98.8%	8,342	8,342	0	0.0%
100.0%	7,483	7,228	-255	-3.4%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,706	58,625	-81	-0.1%
1.2%	58,348	58,325	-23	0.0%
2.5%	54,096	54,102	6	0.0%
3.7%	52,730	52,650	-80	-0.2%
4.9%	48,877	48,505	-373	-0.8%
6.2%	44,816	44,968	152	0.3%
7.4%	43,116	43,122	6	0.0%
8.6%	42,836	42,744	-92	-0.2%
9.9%	41,799	41,798	-1	0.0%
11.1%	40,968	40,919	-48	-0.1%
12.3%	39,077	39,246	168	0.4%
13.6%	38,513	38,914	401	1.0%
14.8%	38,298	38,427	129	0.3%
16.0%	31,829	32,933	1,104	3.5%
17.3%	31,368	31,833	465	1.5%
18.5%	28,381	28,380	0	0.0%
19.8%	27,984	27,218	-765	-2.7%
21.0%	27,562	26,654	-908	-3.3%
22.2%	26,125	25,384	-741	-2.8%
23.5%	25,651	24,085	-1,567	-6.1%
24.7%	24,101	22,680	-1,421	-5.9%
25.9%	23,012	22,533	-479	-2.1%
27.2%	20,498	20,421	-77	-0.4%
28.4%	18,715	18,720	6	0.0%
29.6%	18,358	18,293	-65	-0.4%
30.9%	18,204	17,814	-390	-2.1%
32.1%	17,848	17,444	-404	-2.3%
33.3%	17,443	17,329	-114	-0.7%
34.6%	16,592	16,681	89	0.5%
35.8%	16,428	16,594	166	1.0%
37.0%	15,820	15,734	-86	-0.5%
38.3%	15,222	15,589	367	2.4%
39.5%	15,119	15,099	-20	-0.1%
40.7%	14,860	14,861	1	0.0%
42.0%	14,490	14,492	2	0.0%
43.2%	14,299	14,291	-7	-0.1%
44.4%	13,953	14,208	255	1.8%
45.7%	13,708	13,955	247	1.8%
46.9%	13,693	13,836	143	1.0%
48.1%	13,672	13,679	7	0.1%
49.4%	13,666	13,668	2	0.0%
50.6%	13,559	13,555	-4	0.0%
51.9%	12,567	12,726	159	1.3%
53.1%	12,298	12,572	274	2.2%
54.3%	12,223	12,570	348	2.8%
55.6%	12,180	12,316	136	1.1%
56.8%	12,113	12,294	181	1.5%
58.0%	12,112	12,140	27	0.2%
59.3%	11,909	12,117	207	1.7%
60.5%	11,834	11,926	92	0.8%
61.7%	11,200	11,911	712	6.4%
63.0%	11,181	11,683	502	4.5%
64.2%	11,043	11,294	251	2.3%
65.4%	10,961	11,075	114	1.0%
66.7%	10,921	10,924	3	0.0%
67.9%	10,773	10,915	142	1.3%
69.1%	10,759	10,885	126	1.2%
70.4%	10,745	10,842	97	0.9%
71.6%	10,714	10,782	68	0.6%
72.8%	10,711	10,775	65	0.6%
74.1%	10,710	10,716	6	0.1%
75.3%	10,385	10,663	278	2.7%
76.5%	10,149	10,384	235	2.3%
77.8%	10,120	10,146	26	0.3%
79.0%	10,080	9,991	-90	-0.9%
80.2%	9,890	9,971	81	0.8%
81.5%	9,586	9,876	289	3.0%
82.7%	9,553	9,713	160	1.7%
84.0%	9,307	9,692	385	4.1%
85.2%	9,245	9,554	309	3.3%
86.4%	9,240	9,146	-94	-1.0%
87.7%	9,014	9,016	1	0.0%
88.9%	9,013	8,669	-344	-3.8%
90.1%	8,769	8,620	-150	-1.7%
91.4%	8,279	8,476	198	2.4%
92.6%	7,958	8,268	310	3.9%
93.8%	7,740	8,044	304	3.9%
95.1%	7,141	6,983	-158	-2.2%
96.3%	6,990	6,893	-97	-1.4%
97.5%	6,877	6,713	-164	-2.4%
98.8%	6,769	6,491	-278	-4.1%
100.0%	5,558	5,562	4	0.1%

Table SW-17-3b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,124	-83	-0.1%
1.2%	51,132	51,146	14	0.0%
2.5%	37,909	38,870	961	2.5%
3.7%	37,649	38,867	1,218	3.2%
4.9%	35,934	38,347	2,413	6.7%
6.2%	35,171	35,639	468	1.3%
7.4%	34,371	34,842	471	1.4%
8.6%	29,602	30,501	899	3.0%
9.9%	26,081	25,915	-167	-0.6%
11.1%	24,659	25,414	755	3.1%
12.3%	24,585	24,394	-191	-0.8%
13.6%	23,898	24,215	317	1.3%
14.8%	22,222	22,691	469	2.1%
16.0%	20,986	22,047	1,060	5.1%
17.3%	20,680	21,753	1,074	5.2%
18.5%	20,624	21,254	630	3.1%
19.8%	20,400	21,034	634	3.1%
21.0%	19,312	19,808	496	2.6%
22.2%	18,254	18,266	12	0.1%
23.5%	16,703	17,438	736	4.4%
24.7%	16,310	16,360	50	0.3%
25.9%	15,792	16,266	474	3.0%
27.2%	15,770	16,265	495	3.1%
28.4%	15,523	16,263	740	4.8%
29.6%	15,463	15,881	418	2.7%
30.9%	15,042	15,830	788	5.2%
32.1%	14,987	15,546	559	3.7%
33.3%	14,740	15,481	741	5.0%
34.6%	14,739	15,195	456	3.1%
35.8%	14,701	15,174	473	3.2%
37.0%	14,561	15,028	466	3.2%
38.3%	14,525	15,022	497	3.4%
39.5%	14,511	14,947	436	3.0%
40.7%	14,501	14,732	231	1.6%
42.0%	14,037	14,505	468	3.3%
43.2%	13,763	14,451	689	5.0%
44.4%	13,721	14,030	309	2.3%
45.7%	13,653	14,010	357	2.6%
46.9%	13,603	13,985	383	2.8%
48.1%	13,570	13,964	393	2.9%
49.4%	13,511	13,943	431	3.2%
50.6%	13,367	13,838	471	3.5%
51.9%	13,274	13,772	498	3.8%
53.1%	13,172	13,751	579	4.4%
54.3%	12,958	13,722	764	5.9%
55.6%	12,932	13,658	726	5.6%
56.8%	12,913	13,573	661	5.1%
58.0%	12,905	13,427	523	4.1%
59.3%	12,848	13,414	566	4.4%
60.5%	12,695	13,392	697	5.5%
61.7%	12,692	13,199	507	4.0%
63.0%	12,643	13,163	520	4.1%
64.2%	12,631	13,121	490	3.9%
65.4%	12,621	12,970	350	2.8%
66.7%	12,528	12,923	395	3.2%
67.9%	12,456	12,792	336	2.7%
69.1%	12,449	12,741	292	2.3%
70.4%	12,281	12,721	440	3.6%
71.6%	12,277	12,641	364	3.0%
72.8%	12,218	12,610	392	3.2%
74.1%	12,184	12,552	368	3.0%
75.3%	11,997	12,471	474	4.0%
76.5%	11,993	12,453	459	3.8%
77.8%	11,921	12,420	500	4.2%
79.0%	11,872	12,350	478	4.0%
80.2%	11,538	12,286	748	6.5%
81.5%	11,491	12,175	684	6.0%
82.7%	11,478	11,796	318	2.8%
84.0%	11,262	11,562	300	2.7%
85.2%	11,167	11,535	368	3.3%
86.4%	11,035	11,465	430	3.9%
87.7%	10,992	11,386	394	3.6%
88.9%	10,893	11,320	427	3.9%
90.1%	10,713	11,075	362	3.4%
91.4%	10,594	10,997	403	3.8%
92.6%	9,740	9,951	211	2.2%
93.8%	9,457	9,664	207	2.2%
95.1%	9,447	9,564	117	1.2%
96.3%	9,365	9,456	91	1.0%
97.5%	8,752	9,381	629	7.2%
98.8%	8,623	8,957	334	3.9%
100.0%	8,561	8,564	2	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,971	26,459	1,489	6.0%
1.2%	24,965	26,335	1,370	5.5%
2.5%	24,847	26,307	1,460	5.9%
3.7%	24,793	26,266	1,473	5.9%
4.9%	24,526	26,171	1,645	6.7%
6.2%	24,526	26,119	1,594	6.5%
7.4%	24,489	26,013	1,524	6.2%
8.6%	24,000	25,610	1,611	6.7%
9.9%	23,989	25,559	1,570	6.5%
11.1%	23,926	25,502	1,576	6.6%
12.3%	23,917	25,133	1,215	5.1%
13.6%	23,821	24,746	924	3.9%
14.8%	23,814	24,684	869	3.7%
16.0%	23,788	24,659	871	3.7%
17.3%	23,565	24,576	1,011	4.3%
18.5%	23,549	24,529	980	4.2%
19.8%	23,175	24,325	1,150	5.0%
21.0%	22,875	24,205	1,330	5.8%
22.2%	22,792	24,191	1,399	6.1%
23.5%	22,625	24,128	1,503	6.6%
24.7%	22,577	23,226	648	2.9%
25.9%	22,427	23,137	711	3.2%
27.2%	22,363	23,015	652	2.9%
28.4%	22,240	22,990	751	3.4%
29.6%	21,879	22,805	926	4.2%
30.9%	21,688	22,621	933	4.3%
32.1%	21,639	22,503	864	4.0%
33.3%	21,302	22,415	1,113	5.2%
34.6%	21,218	22,239	1,022	4.8%
35.8%	20,866	22,136	1,269	6.1%
37.0%	20,853	22,076	1,223	5.9%
38.3%	20,849	21,978	1,129	5.4%
39.5%	20,831	21,940	1,109	5.3%
40.7%	20,330	21,690	1,360	6.7%
42.0%	20,262	21,598	1,336	6.6%
43.2%	20,211	21,541	1,330	6.6%
44.4%	20,202	21,469	1,267	6.3%
45.7%	20,184	21,443	1,259	6.2%
46.9%	20,094	21,383	1,289	6.4%
48.1%	20,048	21,347	1,300	6.5%
49.4%	20,042	21,342	1,300	6.5%
50.6%	20,000	21,300	1,300	6.5%
51.9%	19,988	21,279	1,291	6.5%
53.1%	19,910	21,169	1,259	6.3%
54.3%	19,883	21,098	1,215	6.1%
55.6%	19,840	21,095	1,255	6.3%
56.8%	19,829	21,032	1,203	6.1%
58.0%	19,802	20,941	1,140	5.8%
59.3%	19,675	20,877	1,202	6.1%
60.5%	19,532	20,735	1,203	6.2%
61.7%	19,505	20,639	1,134	5.8%
63.0%	19,016	20,558	1,542	8.1%
64.2%	18,935	20,218	1,284	6.8%
65.4%	18,760	20,111	1,352	7.2%
66.7%	18,756	20,011	1,255	6.7%
67.9%	18,614	19,601	987	5.3%
69.1%	18,568	19,543	975	5.3%
70.4%	18,506	19,186	681	3.7%
71.6%	17,888	18,965	1,076	6.0%
72.8%	17,675	18,888	1,214	6.9%
74.1%	17,466	18,864	1,399	8.0%
75.3%	17,435	18,486	1,050	6.0%
76.5%	17,388	18,225	837	4.8%
77.8%	17,318	18,086	768	4.4%
79.0%	17,272	17,514	242	1.4%
80.2%	16,726	17,272	546	3.3%
81.5%	16,293	16,820	526	3.2%
82.7%	16,020	16,810	789	4.9%
84.0%	15,894	16,784	890	5.6%
85.2%	15,559	16,453	894	5.7%
86.4%	15,159	16,315	1,156	7.6%
87.7%	15,132	16,105	973	6.4%
88.9%	14,620	15,620	1,000	6.8%
90.1%	14,379	15,529	1,150	8.0%
91.4%	14,009	15,431	1,422	10.1%
92.6%	13,996	14,439	442	3.2%
93.8%	13,802	14,009	207	1.5%
95.1%	12,956	13,993	1,036	8.0%
96.3%	12,925	13,562	637	4.9%
97.5%	11,270	12,734	1,464	13.0%
98.8%	9,091	9,866	775	8.5%
100.0%	8,382	9,676	1,294	15.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,779	22,435	2,656	13.4%
1.2%	19,723	20,599	876	4.4%
2.5%	19,566	20,451	885	4.5%
3.7%	19,045	19,410	365	1.9%
4.9%	18,442	19,324	882	4.8%
6.2%	18,371	19,215	844	4.6%
7.4%	18,220	19,205	985	5.4%
8.6%	18,176	19,204	1,027	5.7%
9.9%	18,042	19,174	1,132	6.3%
11.1%	17,952	19,110	1,158	6.5%
12.3%	17,779	18,728	949	5.3%
13.6%	17,769	18,559	790	4.4%
14.8%	17,560	18,357	797	4.5%
16.0%	17,489	18,342	853	4.9%
17.3%	17,306	18,197	891	5.1%
18.5%	17,265	18,178	913	5.3%
19.8%	17,220	18,100	879	5.1%
21.0%	17,204	18,097	892	5.2%
22.2%	17,128	18,047	919	5.4%
23.5%	17,111	18,016	905	5.3%
24.7%	17,108	18,008	900	5.3%
25.9%	17,106	17,936	830	4.8%
27.2%	17,061	17,888	827	4.8%
28.4%	17,008	17,820	812	4.8%
29.6%	17,004	17,782	778	4.6%
30.9%	16,996	17,748	752	4.4%
32.1%	16,913	17,601	689	4.1%
33.3%	16,866	17,283	417	2.5%
34.6%	16,848	17,266	417	2.5%
35.8%	16,813	17,184	371	2.2%
37.0%	16,774	17,074	300	1.8%
38.3%	16,757	17,066	309	1.8%
39.5%	16,678	17,049	371	2.2%
40.7%	16,638	17,007	370	2.2%
42.0%	16,595	16,910	315	1.9%
43.2%	16,415	16,886	471	2.9%
44.4%	16,338	16,819	481	2.9%
45.7%	16,313	16,782	469	2.9%
46.9%	16,264	16,529	265	1.6%
48.1%	16,017	16,399	382	2.4%
49.4%	15,971	16,397	425	2.7%
50.6%	15,958	16,273	315	2.0%
51.9%	15,933	16,262	328	2.1%
53.1%	15,897	16,203	307	1.9%
54.3%	15,893	16,117	224	1.4%
55.6%	15,754	16,068	314	2.0%
56.8%	15,683	15,966	282	1.8%
58.0%	15,681	15,956	275	1.8%
59.3%	15,499	15,821	321	2.1%
60.5%	15,481	15,749	268	1.7%
61.7%	15,455	15,677	222	1.4%
63.0%	15,450	15,671	221	1.4%
64.2%	15,275	15,494	219	1.4%
65.4%	15,227	15,481	255	1.7%
66.7%	15,220	15,421	201	1.3%
67.9%	15,132	15,274	143	0.9%
69.1%	14,933	15,244	311	2.1%
70.4%	14,920	15,222	301	2.0%
71.6%	14,900	14,938	39	0.3%
72.8%	14,865	14,933	68	0.5%
74.1%	14,841	14,838	-3	0.0%
75.3%	14,441	14,446	5	0.0%
76.5%	14,391	14,234	-158	-1.1%
77.8%	14,235	14,053	-181	-1.3%
79.0%	13,587	13,933	346	2.6%
80.2%	13,252	13,854	602	4.5%
81.5%	13,166	13,750	585	4.4%
82.7%	12,821	13,402	581	4.5%
84.0%	12,709	13,296	587	4.6%
85.2%	12,291	13,191	900	7.3%
86.4%	10,699	13,051	2,352	22.0%
87.7%	10,276	12,838	2,562	24.9%
88.9%	9,514	12,578	3,065	32.2%
90.1%	9,275	12,546	3,271	35.3%
91.4%	8,942	12,487	3,545	39.6%
92.6%	8,813	12,159	3,346	38.0%
93.8%	8,467	11,646	3,180	37.6%
95.1%	7,696	10,254	2,558	33.2%
96.3%	7,546	10,021	2,475	32.8%
97.5%	7,380	8,989	1,609	21.8%
98.8%	7,201	7,821	620	8.6%
100.0%	7,157	7,775	618	8.6%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,373	31,371	-2	0.0%
1.2%	30,434	31,040	605	2.0%
2.5%	30,321	30,632	311	1.0%
3.7%	30,116	30,362	246	0.8%
4.9%	30,019	30,304	286	1.0%
6.2%	29,810	30,187	377	1.3%
7.4%	29,770	30,017	248	0.8%
8.6%	29,476	29,957	481	1.6%
9.9%	29,436	29,926	490	1.7%
11.1%	29,392	29,849	457	1.6%
12.3%	29,273	29,547	275	0.9%
13.6%	29,249	29,538	289	1.0%
14.8%	29,063	29,490	428	1.5%
16.0%	28,883	29,334	451	1.6%
17.3%	28,265	29,315	1,050	3.7%
18.5%	27,830	29,241	1,411	5.1%
19.8%	27,046	28,950	1,904	7.0%
21.0%	26,223	28,813	2,590	9.9%
22.2%	26,199	28,734	2,535	9.7%
23.5%	26,170	28,655	2,485	9.5%
24.7%	25,656	28,366	2,710	10.6%
25.9%	24,169	25,265	1,097	4.5%
27.2%	24,103	23,942	-161	-0.7%
28.4%	23,702	23,648	-55	-0.2%
29.6%	23,484	22,948	-537	-2.3%
30.9%	22,818	22,860	42	0.2%
32.1%	22,405	22,452	48	0.2%
33.3%	22,226	22,415	189	0.9%
34.6%	22,129	22,268	139	0.6%
35.8%	21,405	22,248	843	3.9%
37.0%	21,019	21,587	569	2.7%
38.3%	20,836	21,402	567	2.7%
39.5%	20,697	21,256	559	2.7%
40.7%	20,134	20,607	473	2.3%
42.0%	19,988	20,385	397	2.0%
43.2%	19,640	20,264	624	3.2%
44.4%	16,875	19,763	2,888	17.1%
45.7%	16,599	19,167	2,567	15.5%
46.9%	14,453	16,341	1,888	13.1%
48.1%	13,809	16,068	2,259	16.4%
49.4%	13,720	14,892	1,173	8.5%
50.6%	13,529	14,621	1,093	8.1%
51.9%	13,364	14,473	1,108	8.3%
53.1%	13,040	14,357	1,317	10.1%
54.3%	12,725	14,127	1,402	11.0%
55.6%	12,594	14,081	1,487	11.8%
56.8%	12,571	13,838	1,267	10.1%
58.0%	12,566	13,818	1,252	10.0%
59.3%	12,525	13,701	1,175	9.4%
60.5%	12,495	13,647	1,152	9.2%
61.7%	12,443	13,617	1,174	9.4%
63.0%	12,162	13,567	1,405	11.6%
64.2%	12,123	13,518	1,396	11.5%
65.4%	12,024	13,164	1,139	9.5%
66.7%	11,888	13,130	1,242	10.4%
67.9%	11,884	12,784	900	7.6%
69.1%	11,733	12,775	1,042	8.9%
70.4%	11,572	12,605	1,032	8.9%
71.6%	11,541	12,596	1,055	9.1%
72.8%	11,403	12,549	1,145	10.0%
74.1%	11,255	12,350	1,094	9.7%
75.3%	11,170	12,195	1,024	9.2%
76.5%	11,086	12,105	1,020	9.2%
77.8%	10,874	12,081	1,207	11.1%
79.0%	10,741	12,027	1,286	12.0%
80.2%	10,704	11,951	1,247	11.7%
81.5%	10,365	11,942	1,577	15.2%
82.7%	10,334	11,817	1,483	14.4%
84.0%	9,750	11,545	1,794	18.4%
85.2%	9,208	11,343	2,135	23.2%
86.4%	8,470	11,160	2,690	31.8%
87.7%	7,901	11,136	3,235	41.0%
88.9%	7,794	10,640	2,846	36.5%
90.1%	7,769	9,760	1,991	25.6%
91.4%	7,674	8,954	1,281	16.7%
92.6%	7,656	8,476	820	10.7%
93.8%	7,627	8,131	504	6.6%
95.1%	7,581	7,876	295	3.9%
96.3%	7,579	7,779	200	2.6%
97.5%	7,474	7,658	184	2.5%
98.8%	7,443	7,579	136	1.8%
100.0%	7,279	7,285	6	0.1%

Table SW-18-3a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,767	1,826	1,968	2,170	2,381	2,591	2,864	3,002	2,885	2,399	2,098	1,831
Alternative A	1,796	1,855	2,013	2,213	2,422	2,623	2,900	3,041	2,916	2,429	2,126	1,844
Difference	29	29	45	43	41	32	36	40	32	30	28	13
Percent Difference[3]	1.6%	1.6%	2.3%	2.0%	1.7%	1.2%	1.3%	1.3%	1.1%	1.3%	1.3%	0.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,377	2,423	2,485	2,679	2,860	2,945	3,304	3,508	3,483	3,125	2,927	2,473
Alternative A	2,374	2,424	2,509	2,680	2,863	2,945	3,304	3,508	3,471	3,110	2,920	2,453
Difference	-3	2	24	2	3	0	0	0	-12	-15	-7	-19
Percent Difference	-0.1%	0.1%	1.0%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.4%	-0.5%	-0.2%	-0.8%
Above Normal (15%)												
No Action Alternative	1,965	2,024	2,128	2,296	2,610	2,930	3,292	3,498	3,393	2,821	2,434	2,039
Alternative A	1,966	2,024	2,167	2,331	2,644	2,936	3,298	3,498	3,373	2,797	2,438	2,025
Difference	1	0	38	35	35	6	6	0	-20	-25	3	-14
Percent Difference	0.0%	0.0%	1.8%	1.5%	1.3%	0.2%	0.2%	0.0%	-0.6%	-0.9%	0.1%	-0.7%
Below Normal (17%)												
No Action Alternative	1,867	1,939	2,150	2,078	2,334	2,593	2,969	3,191	3,082	2,490	2,081	1,911
Alternative A	1,941	2,015	2,205	2,193	2,428	2,663	3,042	3,265	3,129	2,540	2,151	1,967
Difference	75	76	54	115	94	70	73	74	47	50	70	56
Percent Difference	4.0%	3.9%	2.5%	5.5%	4.0%	2.7%	2.5%	2.3%	1.5%	2.0%	3.4%	3.0%
Dry (22%)												
No Action Alternative	1,242	1,331	1,579	1,842	2,069	2,386	2,578	2,621	2,403	1,827	1,422	1,297
Alternative A	1,266	1,350	1,628	1,865	2,092	2,415	2,612	2,672	2,468	1,896	1,445	1,301
Difference	24	19	48	22	23	29	34	51	66	69	23	5
Percent Difference	1.9%	1.4%	3.1%	1.2%	1.1%	1.2%	1.3%	1.9%	2.7%	3.8%	1.6%	0.4%
Critical (15%)												
No Action Alternative	921	947	1,060	1,542	1,636	1,792	1,790	1,760	1,573	1,154	1,000	941
Alternative A	1,000	1,027	1,141	1,631	1,732	1,881	1,894	1,868	1,684	1,256	1,087	1,014
Difference	79	80	81	89	97	89	104	108	111	102	87	73
Percent Difference	8.5%	8.5%	7.7%	5.8%	5.9%	5.0%	5.8%	6.1%	7.1%	8.8%	8.7%	7.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

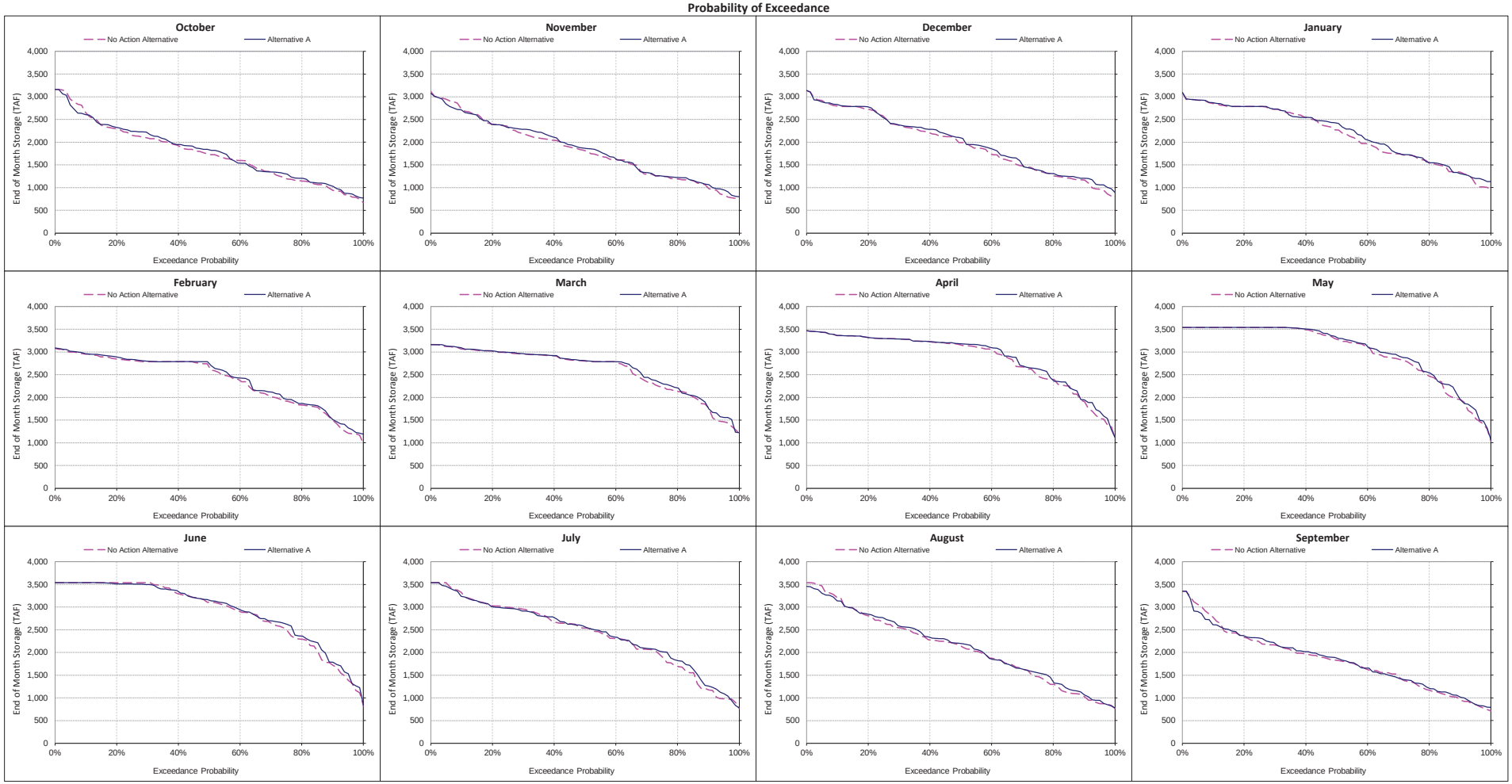

Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,149	3,065	-84	-2.7%
3.7%	3,104	3,032	-72	-2.3%
4.9%	2,951	2,819	-132	-4.5%
6.2%	2,888	2,732	-156	-5.4%
7.4%	2,836	2,640	-195	-6.9%
8.6%	2,813	2,638	-175	-6.2%
9.9%	2,658	2,607	-51	-1.9%
11.1%	2,571	2,599	28	1.1%
12.3%	2,516	2,540	24	0.9%
13.6%	2,487	2,442	-45	-1.8%
14.8%	2,382	2,392	10	0.4%
16.0%	2,342	2,389	46	2.0%
17.3%	2,327	2,382	55	2.4%
18.5%	2,311	2,353	43	1.9%
19.8%	2,294	2,331	38	1.6%
21.0%	2,275	2,310	35	1.5%
22.2%	2,230	2,284	54	2.4%
23.5%	2,217	2,270	54	2.4%
24.7%	2,157	2,241	84	3.9%
25.9%	2,140	2,237	96	4.5%
27.2%	2,133	2,230	97	4.5%
28.4%	2,109	2,229	120	5.7%
29.6%	2,102	2,222	120	5.7%
30.9%	2,080	2,165	85	4.1%
32.1%	2,079	2,132	52	2.5%
33.3%	2,066	2,129	63	3.1%
34.6%	2,018	2,088	70	3.4%
35.8%	2,002	2,069	66	3.3%
37.0%	2,000	2,018	17	0.9%
38.3%	1,953	1,969	17	0.8%
39.5%	1,939	1,951	12	0.6%
40.7%	1,897	1,946	50	2.6%
42.0%	1,854	1,927	74	4.0%
43.2%	1,845	1,920	74	4.0%
44.4%	1,843	1,916	73	3.9%
45.7%	1,805	1,869	63	3.5%
46.9%	1,797	1,862	65	3.6%
48.1%	1,770	1,846	76	4.3%
49.4%	1,740	1,843	103	5.9%
50.6%	1,724	1,820	96	5.6%
51.9%	1,723	1,819	96	5.6%
53.1%	1,694	1,799	105	6.2%
54.3%	1,665	1,762	97	5.8%
55.6%	1,634	1,734	99	6.1%
56.8%	1,630	1,628	-1	-0.1%
58.0%	1,623	1,593	-30	-1.8%
59.3%	1,599	1,539	-60	-3.8%
60.5%	1,599	1,538	-61	-3.8%
61.7%	1,592	1,538	-54	-3.4%
63.0%	1,512	1,472	-40	-2.6%
64.2%	1,474	1,433	-41	-2.8%
65.4%	1,421	1,370	-52	-3.6%
66.7%	1,404	1,361	-44	-3.1%
67.9%	1,363	1,356	-6	-0.4%
69.1%	1,356	1,343	-13	-0.9%
70.4%	1,341	1,343	2	0.1%
71.6%	1,281	1,339	59	4.6%
72.8%	1,249	1,335	85	6.8%
74.1%	1,226	1,313	87	7.1%
75.3%	1,191	1,298	107	9.0%
76.5%	1,181	1,236	55	4.6%
77.8%	1,164	1,214	50	4.3%
79.0%	1,158	1,207	49	4.3%
80.2%	1,143	1,206	63	5.5%
81.5%	1,138	1,184	46	4.0%
82.7%	1,118	1,120	1	0.1%
84.0%	1,083	1,114	31	2.9%
85.2%	1,065	1,100	34	3.2%
86.4%	1,065	1,099	35	3.2%
87.7%	1,043	1,091	47	4.5%
88.9%	988	1,055	67	6.8%
90.1%	939	1,029	91	9.7%
91.4%	927	976	50	5.3%
92.6%	921	954	33	3.6%
93.8%	845	878	33	3.9%
95.1%	844	874	29	3.5%
96.3%	792	861	69	8.7%
97.5%	788	817	29	3.7%
98.8%	741	784	42	5.7%
100.0%	668	773	106	15.8%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,079	-40	-1.3%
1.2%	3,008	3,008	0	0.0%
2.5%	2,981	2,981	0	0.0%
3.7%	2,969	2,950	-19	-0.6%
4.9%	2,950	2,842	-108	-3.6%
6.2%	2,909	2,788	-121	-4.1%
7.4%	2,891	2,752	-139	-4.8%
8.6%	2,859	2,718	-141	-4.9%
9.9%	2,734	2,716	-18	-0.7%
11.1%	2,679	2,655	-23	-0.9%
12.3%	2,670	2,637	-33	-1.3%
13.6%	2,631	2,620	-12	-0.4%
14.8%	2,624	2,600	-25	-0.9%
16.0%	2,561	2,520	-41	-1.6%
17.3%	2,462	2,476	14	0.6%
18.5%	2,424	2,466	42	1.7%
19.8%	2,403	2,391	-12	-0.5%
21.0%	2,391	2,385	-6	-0.2%
22.2%	2,383	2,385	2	0.1%
23.5%	2,360	2,376	16	0.7%
24.7%	2,358	2,331	-27	-1.1%
25.9%	2,274	2,325	51	2.2%
27.2%	2,260	2,307	48	2.1%
28.4%	2,219	2,295	76	3.4%
29.6%	2,195	2,286	91	4.2%
30.9%	2,164	2,285	121	5.6%
32.1%	2,138	2,273	135	6.3%
33.3%	2,113	2,246	134	6.3%
34.6%	2,101	2,223	122	5.8%
35.8%	2,081	2,216	135	6.5%
37.0%	2,073	2,177	104	5.0%
38.3%	2,060	2,144	84	4.1%
39.5%	2,045	2,115	70	3.4%
40.7%	2,038	2,093	55	2.7%
42.0%	2,013	2,007	-6	-0.3%
43.2%	1,920	1,995	75	3.9%
44.4%	1,904	1,949	45	2.4%
45.7%	1,881	1,936	55	2.9%
46.9%	1,878	1,908	31	1.6%
48.1%	1,843	1,880	37	2.0%
49.4%	1,827	1,871	44	2.4%
50.6%	1,805	1,862	56	3.1%
51.9%	1,748	1,854	107	6.1%
53.1%	1,737	1,844	107	6.2%
54.3%	1,709	1,807	98	5.8%
55.6%	1,680	1,762	83	4.9%
56.8%	1,669	1,730	60	3.6%
58.0%	1,624	1,681	58	3.6%
59.3%	1,617	1,672	55	3.4%
60.5%	1,614	1,609	-5	-0.3%
61.7%	1,609	1,602	-7	-0.4%
63.0%	1,608	1,565	-43	-2.7%
64.2%	1,535	1,564	29	1.9%
65.4%	1,509	1,544	35	2.3%
66.7%	1,497	1,441	-56	-3.7%
67.9%	1,373	1,349	-23	-1.7%
69.1%	1,301	1,333	32	2.5%
70.4%	1,295	1,328	33	2.5%
71.6%	1,295	1,310	15	1.2%
72.8%	1,259	1,261	3	0.2%
74.1%	1,258	1,261	3	0.2%
75.3%	1,246	1,258	13	1.0%
76.5%	1,244	1,241	-3	-0.2%
77.8%	1,199	1,232	33	2.8%
79.0%	1,193	1,227	34	2.8%
80.2%	1,188	1,224	36	3.0%
81.5%	1,175	1,219	44	3.7%
82.7%	1,170	1,217	47	4.1%
84.0%	1,167	1,170	3	0.2%
85.2%	1,153	1,156	3	0.3%
86.4%	1,099	1,121	22	2.0%
87.7%	1,086	1,107	21	1.9%
88.9%	1,066	1,078	12	1.1%
90.1%	976	1,065	88	9.0%
91.4%	956	998	41	4.3%
92.6%	945	979	34	3.6%
93.8%	861	970	109	12.7%
95.1%	837	950	113	13.5%
96.3%	794	910	116	14.6%
97.5%	779	832	54	6.9%
98.8%	766	808	42	5.5%
100.0%	717	798	81	11.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,139	3,139	0	0.0%
1.2%	3,107	3,107	0	0.0%
2.5%	2,973	2,930	-43	-1.4%
3.7%	2,930	2,918	-12	-0.4%
4.9%	2,918	2,886	-32	-1.1%
6.2%	2,866	2,866	0	0.0%
7.4%	2,841	2,866	25	0.9%
8.6%	2,806	2,839	33	1.2%
9.9%	2,800	2,832	32	1.1%
11.1%	2,788	2,806	18	0.6%
12.3%	2,788	2,800	12	0.4%
13.6%	2,788	2,788	0	0.0%
14.8%	2,788	2,788	0	0.0%
16.0%	2,788	2,788	0	0.0%
17.3%	2,769	2,788	19	0.7%
18.5%	2,739	2,788	49	1.8%
19.8%	2,737	2,779	42	1.5%
21.0%	2,707	2,753	46	1.7%
22.2%	2,698	2,670	-27	-1.0%
23.5%	2,607	2,615	8	0.3%
24.7%	2,586	2,549	-37	-1.4%
25.9%	2,508	2,499	-9	-0.4%
27.2%	2,405	2,413	9	0.4%
28.4%	2,397	2,405	8	0.3%
29.6%	2,379	2,386	7	0.3%
30.9%	2,359	2,368	9	0.4%
32.1%	2,327	2,353	26	1.1%
33.3%	2,316	2,346	30	1.3%
34.6%	2,299	2,339	40	1.7%
35.8%	2,283	2,329	46	2.0%
37.0%	2,246	2,327	81	3.6%
38.3%	2,239	2,294	55	2.4%
39.5%	2,216	2,285	69	3.1%
40.7%	2,183	2,285	101	4.6%
42.0%	2,174	2,272	98	4.5%
43.2%	2,135	2,219	84	3.9%
44.4%	2,127	2,203	76	3.6%
45.7%	2,120	2,169	48	2.3%
46.9%	2,120	2,140	20	0.9%
48.1%	2,087	2,114	28	1.3%
49.4%	1,993	2,103	110	5.5%
50.6%	1,992	2,084	92	4.6%
51.9%	1,974	1,951	-23	-1.2%
53.1%	1,919	1,948	29	1.5%
54.3%	1,870	1,944	74	3.9%
55.6%	1,868	1,938	70	3.7%
56.8%	1,864	1,913	49	2.6%
58.0%	1,841	1,897	56	3.1%
59.3%	1,740	1,864	124	7.1%
60.5%	1,724	1,844	120	7.0%
61.7%	1,719	1,808	89	5.2%
63.0%	1,631	1,713	83	5.1%
64.2%	1,623	1,703	81	5.0%
65.4%	1,598	1,675	77	4.8%
66.7%	1,580	1,658	78	5.0%
67.9%	1,511	1,651	140	9.2%
69.1%	1,485	1,590	105	7.1%
70.4%	1,473	1,456	-17	-1.2%
71.6%	1,459	1,443	-15	-1.0%
72.8%	1,443	1,422	-21	-1.5%
74.1%	1,389	1,396	7	0.5%
75.3%	1,362	1,386	25	1.8%
76.5%	1,340	1,363	23	1.7%
77.8%	1,315	1,318	3	0.2%
79.0%	1,312	1,312	-1	0.0%
80.2%	1,254	1,305	52	4.1%
81.5%	1,244	1,270	25	2.0%
82.7%	1,236	1,255	19	1.6%
84.0%	1,211	1,252	41	3.4%
85.2%	1,209	1,247	38	3.1%
86.4%	1,187	1,244	57	4.8%
87.7%	1,175	1,221	46	3.9%
88.9%	1,173	1,208	34	2.9%
90.1%	1,167	1,207	40	3.4%
91.4%	1,099	1,199	100	9.1%
92.6%	994	1,174	180	18.1%
93.8%	971	1,073	102	10.5%
95.1%	968	1,063	96	9.9%
96.3%	942	1,063	121	12.8%
97.5%	860	1,003	143	16.7%
98.8%	816	978	162	19.9%
100.0%	780	895	115	14.7%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,091	0	0.0%
1.2%	2,943	2,956	13	0.5%
2.5%	2,940	2,943	3	0.1%
3.7%	2,937	2,940	3	0.1%
4.9%	2,924	2,928	4	0.1%
6.2%	2,922	2,924	2	0.1%
7.4%	2,911	2,922	11	0.4%
8.6%	2,870	2,874	4	0.1%
9.9%	2,854	2,870	16	0.6%
11.1%	2,846	2,854	8	0.3%
12.3%	2,813	2,846	33	1.2%
13.6%	2,809	2,813	4	0.1%
14.8%	2,788	2,809	21	0.8%
16.0%	2,788	2,788	0	0.0%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,787	2,788	1	0.0%
27.2%	2,774	2,787	13	0.5%
28.4%	2,729	2,746	18	0.6%
29.6%	2,727	2,730	4	0.1%
30.9%	2,725	2,729	4	0.1%
32.1%	2,691	2,697	6	0.2%
33.3%	2,660	2,685	25	0.9%
34.6%	2,655	2,604	-51	-1.9%
35.8%	2,629	2,565	-65	-2.5%
37.0%	2,606	2,560	-46	-1.8%
38.3%	2,595	2,549	-46	-1.8%
39.5%	2,551	2,548	-3	-0.1%
40.7%	2,539	2,546	7	0.3%
42.0%	2,503	2,538	36	1.4%
43.2%	2,496	2,476	-21	-0.8%
44.4%	2,394	2,475	81	3.4%
45.7%	2,367	2,470	103	4.4%
46.9%	2,349	2,459	110	4.7%
48.1%	2,333	2,437	104	4.5%
49.4%	2,273	2,430	157	6.9%
50.6%	2,265	2,410	145	6.4%
51.9%	2,201	2,333	132	6.0%
53.1%	2,177	2,292	115	5.3%
54.3%	2,126	2,289	163	7.7%
55.6%	2,101	2,260	160	7.6%
56.8%	2,044	2,172	129	6.3%
58.0%	1,970	2,150	179	9.1%
59.3%	1,969	2,066	96	4.9%
60.5%	1,961	2,037	77	3.9%
61.7%	1,917	2,004	87	4.5%
63.0%	1,879	1,985	107	5.7%
64.2%	1,791	1,959	168	9.4%
65.4%	1,774	1,958	184	10.4%
66.7%	1,757	1,911	154	8.7%
67.9%	1,756	1,814	59	3.4%
69.1%	1,749	1,769	20	1.1%
70.4%	1,744	1,749	6	0.3%
71.6%	1,721	1,728	7	0.4%
72.8%	1,712	1,723	11	0.7%
74.1%	1,708	1,721	13	0.8%
75.3%	1,696	1,679	-17	-1.0%
76.5%	1,624	1,671	47	2.9%
77.8%	1,614	1,653	40	2.5%
79.0%	1,598	1,569	-28	-1.8%
80.2%	1,522	1,547	25	1.6%
81.5%	1,522	1,547	25	1.7%
82.7%	1,505	1,536	31	2.0%
84.0%	1,483	1,515	32	2.1%
85.2%	1,474	1,493	18	1.3%
86.4%	1,352	1,456	104	7.7%
87.7%	1,349	1,337	-12	-0.9%
88.9%	1,349	1,333	-16	-1.1%
90.1%	1,341	1,305	-36	-2.7%
91.4%	1,298	1,291	-7	-0.6%
92.6%	1,275	1,265	-10	-0.8%
93.8%	1,214	1,226	11	0.9%
95.1%	1,080	1,203	123	11.4%
96.3%	1,018	1,200	182	17.9%
97.5%	1,018	1,172	154	15.1%
98.8%	1,005	1,135	130	13.0%
100.0%	963	1,133	171	17.7%

Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,088	10	0.3%
1.2%	3,059	3,078	19	0.6%
2.5%	3,057	3,059	2	0.1%
3.7%	3,009	3,057	48	1.6%
4.9%	2,997	3,014	17	0.6%
6.2%	2,996	3,009	13	0.4%
7.4%	2,987	2,997	10	0.3%
8.6%	2,962	2,987	25	0.8%
9.9%	2,952	2,962	10	0.3%
11.1%	2,951	2,952	1	0.0%
12.3%	2,934	2,951	17	0.6%
13.6%	2,925	2,947	22	0.7%
14.8%	2,895	2,935	40	1.4%
16.0%	2,890	2,925	35	1.2%
17.3%	2,884	2,918	34	1.2%
18.5%	2,856	2,903	47	1.6%
19.8%	2,845	2,890	45	1.6%
21.0%	2,839	2,884	45	1.6%
22.2%	2,832	2,856	24	0.8%
23.5%	2,820	2,839	19	0.7%
24.7%	2,813	2,839	26	0.9%
25.9%	2,806	2,832	26	0.9%
27.2%	2,797	2,813	16	0.6%
28.4%	2,788	2,806	18	0.6%
29.6%	2,788	2,800	12	0.4%
30.9%	2,788	2,790	2	0.1%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,788	1	0.0%
45.7%	2,761	2,788	27	1.0%
46.9%	2,752	2,788	36	1.3%
48.1%	2,744	2,788	44	1.6%
49.4%	2,739	2,787	48	1.8%
50.6%	2,600	2,698	98	3.8%
51.9%	2,586	2,638	51	2.0%
53.1%	2,552	2,620	68	2.7%
54.3%	2,492	2,598	106	4.3%
55.6%	2,477	2,556	80	3.2%
56.8%	2,455	2,472	16	0.7%
58.0%	2,400	2,442	42	1.8%
59.3%	2,400	2,431	31	1.3%
60.5%	2,347	2,425	78	3.3%
61.7%	2,347	2,419	73	3.1%
63.0%	2,235	2,378	143	6.4%
64.2%	2,155	2,167	12	0.5%
65.4%	2,131	2,150	19	0.9%
66.7%	2,098	2,149	51	2.4%
67.9%	2,086	2,146	60	2.9%
69.1%	2,042	2,124	82	4.0%
70.4%	2,011	2,119	108	5.4%
71.6%	1,992	2,085	93	4.7%
72.8%	1,967	2,069	103	5.2%
74.1%	1,928	1,978	51	2.6%
75.3%	1,915	1,956	40	2.1%
76.5%	1,895	1,953	58	3.1%
77.8%	1,866	1,908	42	2.3%
79.0%	1,838	1,867	29	1.6%
80.2%	1,829	1,864	35	1.9%
81.5%	1,818	1,849	31	1.7%
82.7%	1,808	1,836	28	1.5%
84.0%	1,795	1,834	39	2.2%
85.2%	1,782	1,815	33	1.9%
86.4%	1,698	1,766	68	4.0%
87.7%	1,648	1,701	53	3.2%
88.9%	1,569	1,586	17	1.1%
90.1%	1,489	1,510	21	1.4%
91.4%	1,416	1,464	48	3.4%
92.6%	1,322	1,419	97	7.3%
93.8%	1,264	1,408	144	11.4%
95.1%	1,212	1,327	115	9.5%
96.3%	1,201	1,291	90	7.5%
97.5%	1,199	1,228	29	2.4%
98.8%	1,168	1,210	42	3.6%
100.0%	978	1,187	209	21.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,162	3,163	1	0.0%
3.7%	3,133	3,162	29	0.9%
4.9%	3,123	3,133	10	0.3%
6.2%	3,120	3,123	3	0.1%
7.4%	3,105	3,120	15	0.5%
8.6%	3,096	3,105	9	0.3%
9.9%	3,063	3,096	33	1.1%
11.1%	3,059	3,063	4	0.1%
12.3%	3,058	3,059	1	0.0%
13.6%	3,054	3,058	4	0.1%
14.8%	3,036	3,054	18	0.6%
16.0%	3,028	3,036	8	0.3%
17.3%	3,027	3,028	1	0.0%
18.5%	3,024	3,027	3	0.1%
19.8%	3,018	3,024	6	0.2%
21.0%	2,999	3,018	19	0.6%
22.2%	2,995	3,001	6	0.2%
23.5%	2,990	2,999	9	0.3%
24.7%	2,988	2,995	7	0.2%
25.9%	2,978	2,990	12	0.4%
27.2%	2,964	2,988	24	0.8%
28.4%	2,964	2,964	0	0.0%
29.6%	2,954	2,964	10	0.3%
30.9%	2,951	2,954	3	0.1%
32.1%	2,944	2,951	7	0.2%
33.3%	2,943	2,944	1	0.0%
34.6%	2,937	2,943	6	0.2%
35.8%	2,936	2,937	1	0.0%
37.0%	2,927	2,936	9	0.3%
38.3%	2,922	2,927	5	0.2%
39.5%	2,918	2,922	4	0.1%
40.7%	2,909	2,918	9	0.3%
42.0%	2,860	2,865	5	0.2%
43.2%	2,847	2,854	7	0.2%
44.4%	2,833	2,847	14	0.5%
45.7%	2,817	2,833	16	0.6%
46.9%	2,817	2,831	14	0.5%
48.1%	2,814	2,817	3	0.1%
49.4%	2,804	2,817	13	0.5%
50.6%	2,797	2,803	6	0.2%
51.9%	2,788	2,797	9	0.3%
53.1%	2,788	2,788	0	0.0%
54.3%	2,788	2,788	0	0.0%
55.6%	2,788	2,788	0	0.0%
56.8%	2,788	2,788	0	0.0%
58.0%	2,788	2,788	0	0.0%
59.3%	2,788	2,788	0	0.0%
60.5%	2,759	2,788	29	1.1%
61.7%	2,738	2,781	43	1.6%
63.0%	2,689	2,753	63	2.4%
64.2%	2,680	2,730	50	1.9%
65.4%	2,523	2,655	132	5.2%
66.7%	2,481	2,625	144	5.8%
67.9%	2,427	2,553	126	5.2%
69.1%	2,378	2,443	65	2.7%
70.4%	2,334	2,442	108	4.6%
71.6%	2,328	2,393	65	2.8%
72.8%	2,272	2,371	99	4.3%
74.1%	2,239	2,333	94	4.2%
75.3%	2,235	2,298	63	2.8%
76.5%	2,180	2,283	104	4.8%
77.8%	2,173	2,254	81	3.7%
79.0%	2,144	2,223	79	3.7%
80.2%	2,127	2,207	80	3.8%
81.5%	2,125	2,095	-29	-1.4%
82.7%	2,104	2,076	-28	-1.3%
84.0%	2,053	2,052	-1	0.0%
85.2%	2,005	2,040	35	1.7%
86.4%	1,961	2,010	49	2.5%
87.7%	1,867	1,961	95	5.1%
88.9%	1,851	1,901	50	2.7%
90.1%	1,765	1,750	-15	-0.9%
91.4%	1,554	1,672	118	7.6%
92.6%	1,483	1,658	175	11.8%
93.8%	1,475	1,572	97	6.6%
95.1%	1,464	1,557	94	6.4%
96.3%	1,441	1,557	116	8.0%
97.5%	1,363	1,511	148	10.9%
98.8%	1,289	1,232	-58	-4.5%
100.0%	1,211	1,223	12	1.0%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,446	3,446	0	0.0%
4.9%	3,433	3,433	0	0.0%
6.2%	3,427	3,427	0	0.0%
7.4%	3,396	3,396	0	0.0%
8.6%	3,389	3,388	0	0.0%
9.9%	3,362	3,362	0	0.0%
11.1%	3,362	3,362	0	0.0%
12.3%	3,357	3,357	0	0.0%
13.6%	3,354	3,354	0	0.0%
14.8%	3,354	3,354	0	0.0%
16.0%	3,352	3,352	0	0.0%
17.3%	3,350	3,350	0	0.0%
18.5%	3,334	3,334	0	0.0%
19.8%	3,324	3,324	0	0.0%
21.0%	3,305	3,305	0	0.0%
22.2%	3,303	3,303	0	0.0%
23.5%	3,298	3,298	0	0.0%
24.7%	3,296	3,296	0	0.0%
25.9%	3,294	3,294	0	0.0%
27.2%	3,292	3,292	0	0.0%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,284	0	0.0%
30.9%	3,281	3,281	0	0.0%
32.1%	3,277	3,277	0	0.0%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,241	0	0.0%
35.8%	3,238	3,238	0	0.0%
37.0%	3,236	3,236	0	0.0%
38.3%	3,235	3,235	0	0.0%
39.5%	3,234	3,234	0	0.0%
40.7%	3,218	3,227	9	0.3%
42.0%	3,208	3,218	10	0.3%
43.2%	3,208	3,208	0	0.0%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,206	16	0.5%
46.9%	3,181	3,203	22	0.7%
48.1%	3,180	3,190	10	0.3%
49.4%	3,167	3,181	14	0.5%
50.6%	3,143	3,180	37	1.2%
51.9%	3,139	3,172	33	1.1%
53.1%	3,134	3,167	32	1.0%
54.3%	3,121	3,165	43	1.4%
55.6%	3,097	3,162	65	2.1%
56.8%	3,086	3,143	57	1.8%
58.0%	3,066	3,139	73	2.4%
59.3%	3,065	3,105	40	1.3%
60.5%	3,031	3,086	56	1.8%
61.7%	2,960	3,083	123	4.1%
63.0%	2,940	3,041	101	3.4%
64.2%	2,901	2,912	10	0.4%
65.4%	2,865	2,909	43	1.5%
66.7%	2,829	2,887	58	2.1%
67.9%	2,679	2,880	200	7.5%
69.1%	2,677	2,711	34	1.3%
70.4%	2,670	2,687	17	0.6%
71.6%	2,626	2,657	31	1.2%
72.8%	2,622	2,650	27	1.0%
74.1%	2,533	2,641	107	4.2%
75.3%	2,458	2,620	162	6.6%
76.5%	2,424	2,597	172	7.1%
77.8%	2,404	2,573	169	7.0%
79.0%	2,399	2,434	35	1.5%
80.2%	2,394	2,356	-38	-1.6%
81.5%	2,289	2,352	63	2.8%
82.7%	2,273	2,338	65	2.9%
84.0%	2,258	2,337	79	3.5%
85.2%	2,252	2,218	-34	-1.5%
86.4%	2,076	2,172	96	4.6%
87.7%	2,072	2,143	71	3.4%
88.9%	1,935	1,954	18	0.9%
90.1%	1,902	1,941	39	2.0%
91.4%	1,753	1,890	137	7.8%
92.6%	1,696	1,888	192	11.3%
93.8%	1,604	1,732	127	7.9%
95.1%	1,534	1,693	159	10.4%
96.3%	1,522	1,592	69	4.5%
97.5%	1,395	1,537	142	10.2%
98.8%	1,360	1,303	-57	-4.2%
100.0%	1,100	1,119	19	1.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,538	0	0.0%
27.2%	3,538	3,538	0	0.0%
28.4%	3,538	3,538	0	0.0%
29.6%	3,538	3,538	0	0.0%
30.9%	3,538	3,538	0	0.0%
32.1%	3,538	3,538	0	0.0%
33.3%	3,538	3,538	0	0.0%
34.6%	3,536	3,536	0	0.0%
35.8%	3,531	3,532	0	0.0%
37.0%	3,527	3,527	0	0.0%
38.3%	3,507	3,512	6	0.2%
39.5%	3,494	3,507	13	0.4%
40.7%	3,482	3,506	24	0.7%
42.0%	3,460	3,494	34	1.0%
43.2%	3,414	3,482	68	2.0%
44.4%	3,405	3,460	54	1.6%
45.7%	3,371	3,414	42	1.2%
46.9%	3,363	3,405	42	1.3%
48.1%	3,346	3,363	17	0.5%
49.4%	3,296	3,346	50	1.5%
50.6%	3,267	3,300	34	1.0%
51.9%	3,235	3,296	61	1.9%
53.1%	3,233	3,266	34	1.0%
54.3%	3,207	3,255	48	1.5%
55.6%	3,205	3,233	28	0.9%
56.8%	3,190	3,205	16	0.5%
58.0%	3,176	3,191	15	0.5%
59.3%	3,133	3,176	43	1.4%
60.5%	3,110	3,086	-24	-0.8%
61.7%	2,970	3,075	105	3.5%
63.0%	2,943	3,057	114	3.9%
64.2%	2,936	2,992	56	1.9%
65.4%	2,891	2,990	100	3.4%
66.7%	2,884	2,972	88	3.0%
67.9%	2,867	2,955	87	3.0%
69.1%	2,858	2,949	91	3.2%
70.4%	2,834	2,902	67	2.4%
71.6%	2,819	2,876	57	2.0%
72.8%	2,787	2,868	81	2.9%
74.1%	2,731	2,829	98	3.6%
75.3%	2,675	2,789	114	4.3%
76.5%	2,598	2,762	164	6.3%
77.8%	2,584	2,579	-6	-0.2%
79.0%	2,500	2,565	65	2.6%
80.2%	2,464	2,535	71	2.9%
81.5%	2,432	2,480	48	2.0%
82.7%	2,368	2,357	-11	-0.5%
84.0%	2,346	2,307	-40	-1.7%
85.2%	2,104	2,289	185	8.8%
86.4%	2,036	2,279	244	12.0%
87.7%	1,997	2,230	233	11.7%
88.9%	1,967	2,078	111	5.6%
90.1%	1,956	1,943	-14	-0.7%
91.4%	1,893	1,864	-29	-1.5%
92.6%	1,714	1,850	136	7.9%
93.8%	1,655	1,789	134	8.1%
95.1%	1,535	1,721	186	12.1%
96.3%	1,475	1,496	22	1.5%
97.5%	1,419	1,478	59	4.2%
98.8%	1,309	1,322	14	1.0%
100.0%	1,042	1,061	19	1.8%

Table SW-18-3b
Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,537	-1	0.0%
13.6%	3,538	3,537	-1	0.0%
14.8%	3,538	3,537	-1	0.0%
16.0%	3,538	3,535	-3	-0.1%
17.3%	3,538	3,533	-5	-0.1%
18.5%	3,538	3,520	-18	-0.5%
19.8%	3,538	3,513	-25	-0.7%
21.0%	3,538	3,510	-28	-0.8%
22.2%	3,538	3,510	-28	-0.8%
23.5%	3,538	3,509	-29	-0.8%
24.7%	3,538	3,509	-29	-0.8%
25.9%	3,538	3,508	-30	-0.8%
27.2%	3,538	3,508	-30	-0.8%
28.4%	3,538	3,508	-30	-0.8%
29.6%	3,538	3,497	-41	-1.2%
30.9%	3,538	3,495	-43	-1.2%
32.1%	3,495	3,475	-20	-0.6%
33.3%	3,486	3,426	-60	-1.7%
34.6%	3,467	3,399	-68	-2.0%
35.8%	3,424	3,398	-26	-0.8%
37.0%	3,422	3,381	-41	-1.2%
38.3%	3,349	3,379	29	0.9%
39.5%	3,305	3,366	61	1.8%
40.7%	3,279	3,308	28	0.9%
42.0%	3,260	3,298	38	1.2%
43.2%	3,258	3,238	-21	-0.6%
44.4%	3,212	3,218	7	0.2%
45.7%	3,210	3,196	-14	-0.4%
46.9%	3,193	3,186	-7	-0.2%
48.1%	3,167	3,170	3	0.1%
49.4%	3,109	3,166	57	1.8%
50.6%	3,103	3,137	34	1.1%
51.9%	3,101	3,130	29	0.9%
53.1%	3,082	3,108	26	0.8%
54.3%	3,054	3,098	45	1.5%
55.6%	3,030	3,081	51	1.7%
56.8%	2,991	3,028	37	1.2%
58.0%	2,949	3,003	54	1.8%
59.3%	2,924	2,961	37	1.3%
60.5%	2,886	2,924	38	1.3%
61.7%	2,883	2,894	11	0.4%
63.0%	2,871	2,893	22	0.8%
64.2%	2,847	2,848	1	0.0%
65.4%	2,826	2,796	-30	-1.1%
66.7%	2,703	2,748	45	1.7%
67.9%	2,687	2,744	58	2.1%
69.1%	2,681	2,700	19	0.7%
70.4%	2,635	2,693	58	2.2%
71.6%	2,595	2,676	81	3.1%
72.8%	2,578	2,666	88	3.4%
74.1%	2,544	2,647	103	4.1%
75.3%	2,477	2,617	140	5.7%
76.5%	2,363	2,583	220	9.3%
77.8%	2,315	2,380	65	2.8%
79.0%	2,299	2,364	65	2.8%
80.2%	2,294	2,362	68	2.9%
81.5%	2,271	2,305	34	1.5%
82.7%	2,151	2,261	109	5.1%
84.0%	2,142	2,238	96	4.5%
85.2%	2,019	2,214	195	9.7%
86.4%	1,836	2,056	220	12.0%
87.7%	1,782	1,985	203	11.4%
88.9%	1,777	1,791	15	0.8%
90.1%	1,714	1,782	68	4.0%
91.4%	1,672	1,734	62	3.7%
92.6%	1,551	1,705	155	10.0%
93.8%	1,484	1,569	85	5.7%
95.1%	1,384	1,531	147	10.6%
96.3%	1,319	1,317	-1	-0.1%
97.5%	1,165	1,263	99	8.5%
98.8%	1,112	1,226	114	10.2%
100.0%	824	837	13	1.6%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,537	-1	0.0%
3.7%	3,538	3,475	-63	-1.8%
4.9%	3,538	3,464	-74	-2.1%
6.2%	3,447	3,417	-30	-0.9%
7.4%	3,385	3,375	-10	-0.3%
8.6%	3,374	3,347	-27	-0.8%
9.9%	3,324	3,238	-86	-2.6%
11.1%	3,220	3,223	3	0.1%
12.3%	3,197	3,184	-13	-0.4%
13.6%	3,170	3,152	-18	-0.6%
14.8%	3,130	3,140	10	0.3%
16.0%	3,115	3,106	-9	-0.3%
17.3%	3,095	3,085	-9	-0.3%
18.5%	3,059	3,074	15	0.5%
19.8%	3,031	3,009	-22	-0.7%
21.0%	3,027	2,999	-28	-0.9%
22.2%	3,021	2,994	-27	-0.9%
23.5%	3,009	2,981	-28	-0.9%
24.7%	2,999	2,976	-23	-0.8%
25.9%	2,993	2,970	-23	-0.8%
27.2%	2,976	2,965	-11	-0.4%
28.4%	2,973	2,949	-24	-0.8%
29.6%	2,956	2,914	-42	-1.4%
30.9%	2,944	2,914	-30	-1.0%
32.1%	2,898	2,898	0	0.0%
33.3%	2,893	2,876	-17	-0.6%
34.6%	2,859	2,812	-48	-1.7%
35.8%	2,824	2,801	-24	-0.8%
37.0%	2,810	2,791	-19	-0.7%
38.3%	2,752	2,785	33	1.2%
39.5%	2,680	2,785	105	3.9%
40.7%	2,663	2,739	76	2.9%
42.0%	2,645	2,680	35	1.3%
43.2%	2,644	2,672	28	1.1%
44.4%	2,636	2,625	-11	-0.4%
45.7%	2,635	2,621	-14	-0.5%
46.9%	2,622	2,608	-14	-0.5%
48.1%	2,553	2,607	54	2.1%
49.4%	2,539	2,582	43	1.7%
50.6%	2,535	2,543	8	0.3%
51.9%	2,523	2,520	-3	-0.1%
53.1%	2,464	2,499	35	1.4%
54.3%	2,457	2,486	28	1.2%
55.6%	2,412	2,457	45	1.9%
56.8%	2,393	2,453	61	2.5%
58.0%	2,313	2,365	52	2.2%
59.3%	2,307	2,343	36	1.6%
60.5%	2,301	2,331	31	1.3%
61.7%	2,298	2,278	-19	-0.8%
63.0%	2,275	2,278	3	0.1%
64.2%	2,240	2,263	23	1.0%
65.4%	2,191	2,175	-17	-0.8%
66.7%	2,076	2,163	87	4.2%
67.9%	2,074	2,110	36	1.7%
69.1%	2,074	2,096	22	1.1%
70.4%	2,068	2,088	20	1.0%
71.6%	2,060	2,082	22	1.1%
72.8%	2,037	2,068	31	1.5%
74.1%	1,960	2,028	68	3.5%
75.3%	1,883	2,016	133	7.1%
76.5%	1,779	2,007	228	12.8%
77.8%	1,774	1,879	106	6.0%
79.0%	1,717	1,839	122	7.1%
80.2%	1,686	1,816	130	7.7%
81.5%	1,679	1,809	130	7.7%
82.7%	1,583	1,734	151	9.5%
84.0%	1,556	1,715	159	10.2%
85.2%	1,555	1,625	70	4.5%
86.4%	1,307	1,515	208	15.9%
87.7%	1,210	1,389	179	14.8%
88.9%	1,207	1,274	66	5.5%
90.1%	1,176	1,260	84	7.1%
91.4%	1,162	1,233	71	6.1%
92.6%	1,011	1,194	183	18.1%
93.8%	983	1,125	142	14.4%
95.1%	975	1,093	117	12.0%
96.3%	973	1,040	67	6.9%
97.5%	970	939	-31	-3.2%
98.8%	898	832	-67	-7.4%
100.0%	767	780	13	1.7%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,456	-82	-2.3%
1.2%	3,538	3,448	-90	-2.5%
2.5%	3,526	3,407	-119	-3.4%
3.7%	3,486	3,389	-98	-2.8%
4.9%	3,469	3,306	-163	-4.7%
6.2%	3,323	3,266	-57	-1.7%
7.4%	3,315	3,262	-52	-1.6%
8.6%	3,284	3,221	-63	-1.9%
9.9%	3,211	3,138	-73	-2.3%
11.1%	3,204	3,131	-74	-2.3%
12.3%	3,004	3,018	14	0.5%
13.6%	2,991	2,993	2	0.1%
14.8%	2,988	2,978	-10	-0.3%
16.0%	2,932	2,927	-5	-0.2%
17.3%	2,912	2,864	-47	-1.6%
18.5%	2,837	2,862	26	0.9%
19.8%	2,811	2,846	36	1.3%
21.0%	2,793	2,829	35	1.3%
22.2%	2,714	2,791	78	2.9%
23.5%	2,711	2,776	65	2.4%
24.7%	2,675	2,766	91	3.4%
25.9%	2,622	2,724	102	3.9%
27.2%	2,617	2,703	86	3.3%
28.4%	2,551	2,671	119	4.7%
29.6%	2,551	2,588	37	1.4%
30.9%	2,538	2,569	30	1.2%
32.1%	2,516	2,555	39	1.6%
33.3%	2,492	2,554	62	2.5%
34.6%	2,439	2,531	92	3.8%
35.8%	2,414	2,492	78	3.2%
37.0%	2,359	2,441	83	3.5%
38.3%	2,341	2,353	11	0.5%
39.5%	2,279	2,341	62	2.7%
40.7%	2,275	2,314	39	1.7%
42.0%	2,266	2,312	45	2.0%
43.2%	2,248	2,304	57	2.5%
44.4%	2,247	2,303	56	2.5%
45.7%	2,226	2,278	52	2.3%
46.9%	2,218	2,213	-5	-0.2%
48.1%	2,192	2,211	20	0.9%
49.4%	2,172	2,201	30	1.4%
50.6%	2,117	2,193	76	3.6%
51.9%	2,077	2,176	98	4.7%
53.1%	2,069	2,161	92	4.4%
54.3%	2,030	2,072	42	2.1%
55.6%	2,023	2,058	36	1.8%
56.8%	1,989	2,026	37	1.9%
58.0%	1,948	1,952	4	0.2%
59.3%	1,879	1,868	-10	-0.6%
60.5%	1,865	1,847	-19	-1.0%
61.7%	1,853	1,833	-20	-1.1%
63.0%	1,826	1,830	4	0.2%
64.2%	1,774	1,757	-17	-0.9%
65.4%	1,742	1,737	-4	-0.3%
66.7%	1,728	1,701	-27	-1.6%
67.9%	1,676	1,654	-22	-1.3%
69.1%	1,658	1,651	-8	-0.5%
70.4%	1,624	1,623	-1	-0.1%
71.6%	1,608	1,603	-5	-0.3%
72.8%	1,513	1,588	74	4.9%
74.1%	1,476	1,562	86	5.9%
75.3%	1,462	1,548	86	5.9%
76.5%	1,422	1,528	107	7.5%
77.8%	1,357	1,512	155	11.4%
79.0%	1,296	1,453	157	12.1%
80.2%	1,296	1,326	31	2.4%
81.5%	1,240	1,312	72	5.8%
82.7%	1,157	1,300	143	12.4%
84.0%	1,130	1,226	96	8.5%
85.2%	1,106	1,185	79	7.1%
86.4%	1,093	1,164	71	6.5%
87.7%	1,090	1,151	61	5.6%
88.9%	1,077	1,128	51	4.7%
90.1%	1,021	1,065	44	4.3%
91.4%	951	1,027	76	8.0%
92.6%	943	959	16	1.7%
93.8%	902	948	46	5.2%
95.1%	874	944	71	8.1%
96.3%	873	880	7	0.7%
97.5%	860	852	-8	-0.9%
98.8%	835	824	-11	-1.3%
100.0%	766	779	13	1.7%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,351	3,351	0	0.0%
1.2%	3,351	3,351	0	0.0%
2.5%	3,237	3,197	-39	-1.2%
3.7%	3,116	2,916	-201	-6.4%
4.9%	3,061	2,903	-158	-5.2%
6.2%	3,014	2,858	-156	-5.2%
7.4%	2,920	2,728	-192	-6.6%
8.6%	2,853	2,726	-128	-4.5%
9.9%	2,786	2,609	-177	-6.3%
11.1%	2,690	2,608	-81	-3.0%
12.3%	2,638	2,561	-77	-2.9%
13.6%	2,470	2,522	52	2.1%
14.8%	2,431	2,510	79	3.2%
16.0%	2,431	2,474	43	1.8%
17.3%	2,430	2,461	31	1.3%
18.5%	2,394	2,376	-18	-0.8%
19.8%	2,338	2,373	35	1.5%
21.0%	2,317	2,338	21	0.9%
22.2%	2,273	2,327	55	2.4%
23.5%	2,255	2,327	72	3.2%
24.7%	2,245	2,322	77	3.4%
25.9%	2,187	2,306	119	5.5%
27.2%	2,177	2,256	79	3.6%
28.4%	2,168	2,231	63	2.9%
29.6%	2,166	2,219	52	2.4%
30.9%	2,152	2,152	1	0.0%
32.1%	2,109	2,120	11	0.5%
33.3%	2,090	2,108	18	0.8%
34.6%	2,072	2,104	32	1.5%
35.8%	2,029	2,101	71	3.5%
37.0%	1,983	2,038	55	2.8%
38.3%	1,982	2,035	52	2.6%
39.5%	1,971	2,021	50	2.5%
40.7%	1,955	2,018	63	3.2%
42.0%	1,938	1,988	50	2.6%
43.2%	1,933	1,987	54	2.8%
44.4%	1,892	1,944	51	2.7%
45.7%	1,892	1,932	40	2.1%
46.9%	1,865	1,901	36	1.9%
48.1%	1,837	1,894	58	3.1%
49.4%	1,833	1,890	56	3.1%
50.6%	1,821	1,864	43	2.4%
51.9%	1,804	1,827	23	1.3%
53.1%	1,797	1,812	15	0.8%
54.3%	1,776	1,779	3	0.2%
55.6%	1,754	1,771	17	1.0%
56.8%	1,715	1,720	5	0.3%
58.0%	1,690	1,661	-28	-1.7%
59.3%	1,643	1,656	13	0.8%
60.5%	1,609	1,656	47	2.9%
61.7%	1,603	1,573	-30	-1.9%
63.0%	1,596	1,565	-31	-2.0%
64.2%	1,561	1,535	-26	-1.7%
65.4%	1,557	1,532	-25	-1.6%
66.7%	1,554	1,507	-47	-3.0%
67.9%	1,527	1,484	-43	-2.8%
69.1%	1,527	1,458	-69	-4.5%
70.4%	1,446	1,425	-22	-1.5%
71.6%	1,389	1,404	15	1.1%
72.8%	1,364	1,395	31	2.3%
74.1%	1,357	1,379	22	1.6%
75.3%	1,325	1,327	2	0.2%
76.5%	1,261	1,321	60	4.8%
77.8%	1,223	1,301	78	6.4%
79.0%	1,185	1,241	57	4.8%
80.2%	1,163	1,203	40	3.5%
81.5%	1,137	1,196	59	5.2%
82.7%	1,129	1,141	12	1.1%
84.0%	1,097	1,133	35	3.2%
85.2%	1,071	1,131	60	5.6%
86.4%	1,037	1,103	66	6.4%
87.7%	1,025	1,063	39	3.8%
88.9%	1,014	1,058	44	4.3%
90.1%	949	1,011	62	6.5%
91.4%	922	994	72	7.8%
92.6%	921	948	27	2.9%
93.8%	874	894	21	2.4%
95.1%	857	848	-9	-1.1%
96.3%	809	827	18	2.3%
97.5%	774	822	48	6.2%
98.8%	744	796	52	7.0%
100.0%	712	787	75	10.5%

Table SW-19-3a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative A	755	761	777	797	816	833	853	863	853	813	785	760
Difference	4	4	5	4	4	3	3	3	3	3	3	2
Percent Difference[3]	0.5%	0.5%	0.7%	0.6%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative A	814	819	826	840	854	859	884	898	895	871	857	821
Difference	1	1	2	1	0	0	0	0	-1	-1	0	-1
Percent Difference	0.1%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative A	779	783	798	811	838	859	884	897	889	849	822	785
Difference	0	0	4	3	3	0	0	0	-1	-2	0	-1
Percent Difference	0.1%	0.0%	0.5%	0.4%	0.3%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.1%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative A	776	783	800	795	817	837	866	881	872	831	797	779
Difference	7	7	5	11	8	6	5	5	3	4	6	5
Percent Difference	0.9%	0.9%	0.6%	1.5%	1.0%	0.7%	0.6%	0.6%	0.4%	0.5%	0.8%	0.7%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative A	698	708	738	765	789	819	835	840	824	771	720	703
Difference	2	2	6	2	2	3	3	4	5	7	2	0
Percent Difference	0.3%	0.3%	0.8%	0.3%	0.3%	0.4%	0.4%	0.5%	0.7%	1.0%	0.3%	-0.1%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative A	663	667	684	739	749	765	767	765	745	695	674	665
Difference	13	13	13	10	10	9	10	10	12	12	13	12
Percent Difference	2.0%	2.0%	1.9%	1.3%	1.3%	1.2%	1.3%	1.4%	1.7%	1.8%	1.9%	1.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-19-3b
Lake Oroville, End of Month Elevation
Probability of Exceedance

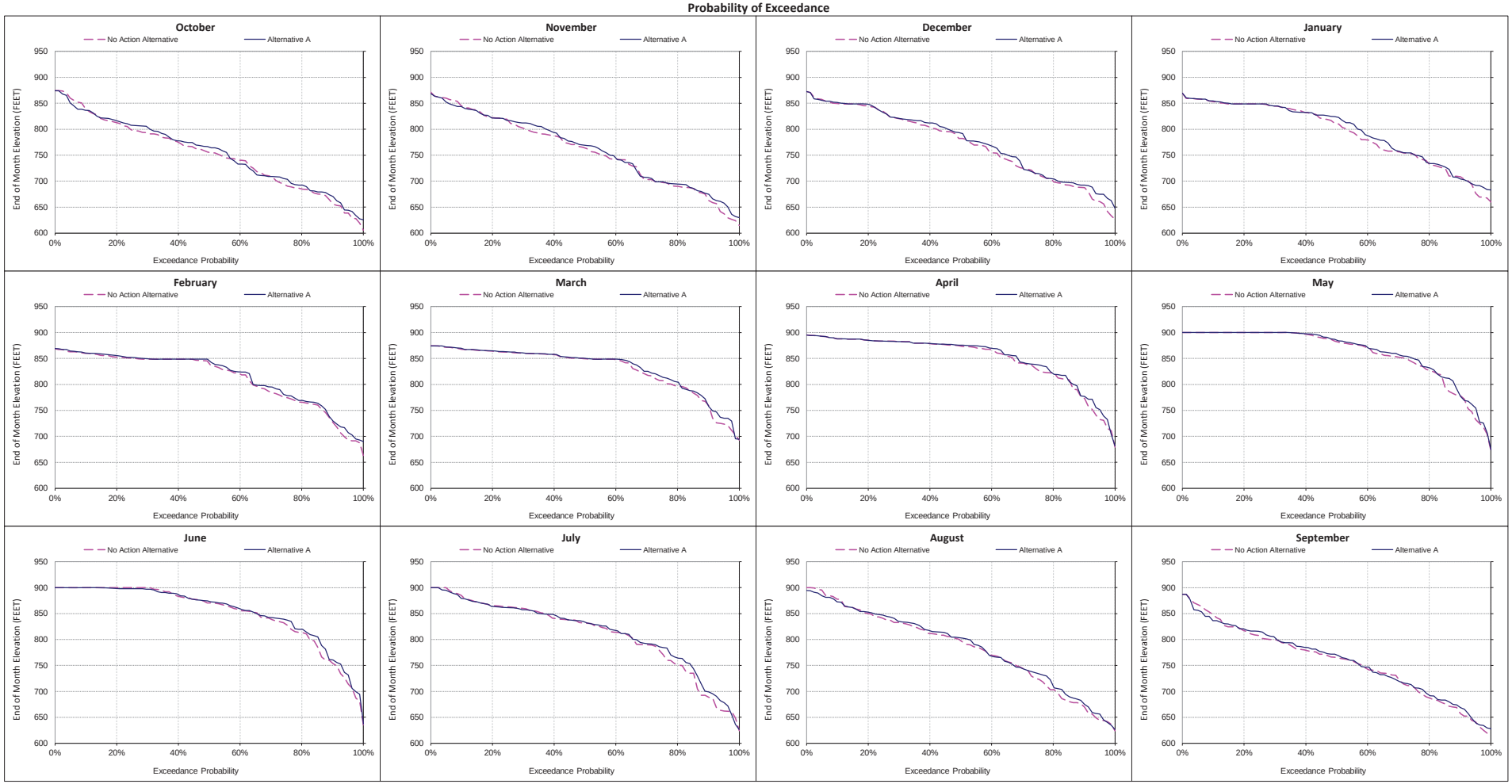

Table SW-19-3b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	873	868	-6	-0.7%
3.7%	870	865	-5	-0.6%
4.9%	860	851	-9	-1.0%
6.2%	856	845	-11	-1.2%
7.4%	852	839	-13	-1.6%
8.6%	850	839	-12	-1.4%
9.9%	840	836	-3	-0.4%
11.1%	834	836	2	0.2%
12.3%	830	832	2	0.2%
13.6%	828	825	-3	-0.4%
14.8%	821	822	1	0.1%
16.0%	818	821	4	0.4%
17.3%	816	821	5	0.6%
18.5%	815	819	4	0.5%
19.8%	813	817	4	0.5%
21.0%	811	815	4	0.4%
22.2%	806	812	6	0.7%
23.5%	805	811	6	0.7%
24.7%	799	808	9	1.1%
25.9%	797	807	10	1.2%
27.2%	797	806	10	1.2%
28.4%	794	806	12	1.6%
29.6%	793	806	12	1.6%
30.9%	791	800	9	1.1%
32.1%	791	796	5	0.7%
33.3%	790	796	6	0.8%
34.6%	785	792	7	0.9%
35.8%	783	790	7	0.9%
37.0%	783	785	2	0.2%
38.3%	778	780	2	0.2%
39.5%	777	778	1	0.2%
40.7%	772	777	5	0.7%
42.0%	768	775	8	1.0%
43.2%	767	775	8	1.0%
44.4%	767	774	7	1.0%
45.7%	763	769	6	0.9%
46.9%	762	769	7	0.9%
48.1%	759	767	8	1.0%
49.4%	756	767	11	1.4%
50.6%	755	764	10	1.3%
51.9%	754	764	10	1.3%
53.1%	751	762	11	1.4%
54.3%	748	758	10	1.4%
55.6%	744	755	11	1.5%
56.8%	744	744	0	0.0%
58.0%	743	739	-4	-0.5%
59.3%	740	733	-7	-1.0%
60.5%	740	733	-7	-1.0%
61.7%	739	733	-7	-0.9%
63.0%	729	725	-5	-0.7%
64.2%	725	720	-5	-0.7%
65.4%	718	712	-6	-0.9%
66.7%	716	711	-5	-0.7%
67.9%	711	711	-1	-0.1%
69.1%	710	709	-2	-0.2%
70.4%	709	709	0	0.0%
71.6%	701	708	7	1.0%
72.8%	697	708	10	1.5%
74.1%	695	705	11	1.5%
75.3%	690	703	13	1.9%
76.5%	689	696	7	1.0%
77.8%	687	693	6	0.9%
79.0%	686	692	6	0.9%
80.2%	684	692	8	1.1%
81.5%	684	689	6	0.8%
82.7%	681	682	0	0.0%
84.0%	677	681	4	0.6%
85.2%	675	679	4	0.6%
86.4%	675	679	4	0.6%
87.7%	672	678	6	0.9%
88.9%	664	674	9	1.4%
90.1%	656	671	15	2.3%
91.4%	653	662	9	1.4%
92.6%	652	658	6	0.9%
93.8%	639	645	6	0.9%
95.1%	639	644	5	0.8%
96.3%	629	642	13	2.0%
97.5%	628	634	6	0.9%
98.8%	619	627	8	1.3%
100.0%	605	625	20	3.3%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	869	-3	-0.3%
1.2%	864	864	0	0.0%
2.5%	862	862	0	0.0%
3.7%	861	860	-1	-0.1%
4.9%	860	852	-7	-0.9%
6.2%	857	849	-8	-1.0%
7.4%	856	846	-10	-1.1%
8.6%	854	844	-10	-1.1%
9.9%	845	844	-1	-0.1%
11.1%	841	840	-2	-0.2%
12.3%	841	838	-2	-0.3%
13.6%	838	837	-1	-0.1%
14.8%	838	836	-2	-0.2%
16.0%	833	830	-3	-0.3%
17.3%	827	827	1	0.1%
18.5%	824	827	3	0.3%
19.8%	822	822	-1	-0.1%
21.0%	822	821	0	0.0%
22.2%	821	821	0	0.0%
23.5%	820	821	1	0.1%
24.7%	819	817	-3	-0.3%
25.9%	811	816	5	0.6%
27.2%	810	814	5	0.6%
28.4%	805	813	8	1.0%
29.6%	803	812	9	1.2%
30.9%	800	812	12	1.6%
32.1%	797	811	14	1.7%
33.3%	794	808	14	1.7%
34.6%	793	806	13	1.6%
35.8%	791	805	14	1.8%
37.0%	790	801	11	1.3%
38.3%	789	798	9	1.1%
39.5%	787	795	7	0.9%
40.7%	787	792	6	0.7%
42.0%	784	784	-1	-0.1%
43.2%	775	782	8	1.0%
44.4%	773	778	5	0.6%
45.7%	771	776	6	0.7%
46.9%	770	773	3	0.4%
48.1%	767	771	4	0.5%
49.4%	765	770	5	0.6%
50.6%	763	769	6	0.8%
51.9%	757	768	11	1.4%
53.1%	756	767	11	1.5%
54.3%	753	763	10	1.3%
55.6%	750	758	8	1.1%
56.8%	749	755	6	0.9%
58.0%	743	750	7	0.9%
59.3%	742	749	7	0.9%
60.5%	742	741	-1	-0.1%
61.7%	741	741	-1	-0.1%
63.0%	741	736	-5	-0.7%
64.2%	732	736	3	0.5%
65.4%	729	733	4	0.6%
66.7%	728	721	-7	-0.9%
67.9%	713	710	-3	-0.4%
69.1%	704	708	4	0.6%
70.4%	703	707	4	0.6%
71.6%	703	705	2	0.3%
72.8%	699	699	0	0.0%
74.1%	699	699	0	0.1%
75.3%	697	699	2	0.2%
76.5%	697	696	0	-0.1%
77.8%	691	695	4	0.6%
79.0%	691	695	4	0.6%
80.2%	690	694	4	0.6%
81.5%	688	694	5	0.8%
82.7%	688	694	6	0.8%
84.0%	687	688	0	0.0%
85.2%	686	686	0	0.1%
86.4%	679	682	3	0.4%
87.7%	678	680	3	0.4%
88.9%	675	677	1	0.2%
90.1%	662	675	13	1.9%
91.4%	659	666	7	1.1%
92.6%	657	663	6	0.9%
93.8%	642	661	20	3.1%
95.1%	637	658	20	3.2%
96.3%	629	650	21	3.4%
97.5%	626	636	10	1.6%
98.8%	624	632	8	1.3%
100.0%	615	630	15	2.5%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	873	0	0.0%
1.2%	871	871	0	0.0%
2.5%	861	858	-3	-0.3%
3.7%	858	858	-1	-0.1%
4.9%	858	855	-2	-0.3%
6.2%	854	854	0	0.0%
7.4%	852	854	2	0.2%
8.6%	850	852	2	0.3%
9.9%	850	852	2	0.3%
11.1%	849	850	1	0.1%
12.3%	849	850	1	0.1%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	847	849	1	0.2%
18.5%	845	849	3	0.4%
19.8%	845	848	3	0.3%
21.0%	843	846	3	0.4%
22.2%	843	841	-2	-0.2%
23.5%	836	837	1	0.1%
24.7%	835	832	-2	-0.3%
25.9%	830	829	-1	-0.1%
27.2%	823	823	1	0.1%
28.4%	822	823	1	0.1%
29.6%	821	821	0	0.1%
30.9%	819	820	1	0.1%
32.1%	816	819	3	0.3%
33.3%	815	818	3	0.4%
34.6%	814	818	4	0.5%
35.8%	812	817	5	0.6%
37.0%	808	816	8	1.0%
38.3%	807	813	6	0.7%
39.5%	805	812	7	0.9%
40.7%	802	812	10	1.3%
42.0%	801	811	10	1.3%
43.2%	797	805	9	1.1%
44.4%	796	804	8	1.0%
45.7%	795	800	5	0.6%
46.9%	795	797	2	0.3%
48.1%	792	795	3	0.4%
49.4%	782	793	11	1.4%
50.6%	782	792	9	1.2%
51.9%	780	778	-2	-0.3%
53.1%	775	778	3	0.4%
54.3%	770	777	8	1.0%
55.6%	769	776	7	0.9%
56.8%	769	774	5	0.7%
58.0%	767	772	6	0.8%
59.3%	756	769	13	1.7%
60.5%	754	767	12	1.6%
61.7%	754	763	9	1.2%
63.0%	744	753	9	1.3%
64.2%	743	752	9	1.3%
65.4%	740	749	9	1.3%
66.7%	738	747	10	1.3%
67.9%	729	746	17	2.3%
69.1%	726	739	13	1.8%
70.4%	725	723	-2	-0.3%
71.6%	723	721	-2	-0.3%
72.8%	721	719	-3	-0.4%
74.1%	715	715	1	0.1%
75.3%	711	714	3	0.4%
76.5%	709	711	3	0.4%
77.8%	705	706	0	0.0%
79.0%	705	705	0	0.0%
80.2%	698	704	6	0.9%
81.5%	697	700	3	0.4%
82.7%	696	698	2	0.3%
84.0%	693	698	5	0.7%
85.2%	693	697	5	0.7%
86.4%	690	697	7	1.0%
87.7%	688	694	6	0.8%
88.9%	688	692	4	0.6%
90.1%	687	692	5	0.7%
91.4%	679	691	12	1.8%
92.6%	666	688	23	3.4%
93.8%	661	676	15	2.2%
95.1%	661	675	14	2.1%
96.3%	656	675	19	2.8%
97.5%	641	667	26	4.0%
98.8%	633	663	29	4.6%
100.0%	627	648	21	3.4%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	860	1	0.1%
2.5%	859	859	0	0.0%
3.7%	859	859	0	0.0%
4.9%	858	858	0	0.0%
6.2%	858	858	0	0.0%
7.4%	857	858	1	0.1%
8.6%	854	855	0	0.0%
9.9%	853	854	1	0.1%
11.1%	853	853	1	0.1%
12.3%	850	853	2	0.3%
13.6%	850	850	0	0.0%
14.8%	849	850	1	0.2%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	848	849	1	0.1%
28.4%	845	846	1	0.1%
29.6%	845	845	0	0.0%
30.9%	844	845	0	0.0%
32.1%	842	843	0	0.0%
33.3%	840	842	2	0.2%
34.6%	840	836	-3	-0.4%
35.8%	838	834	-4	-0.5%
37.0%	836	833	-3	-0.4%
38.3%	836	832	-3	-0.4%
39.5%	833	832	0	0.0%
40.7%	832	832	0	0.1%
42.0%	829	832	2	0.3%
43.2%	829	827	-1	-0.2%
44.4%	822	827	6	0.7%
45.7%	820	827	7	0.9%
46.9%	819	826	8	0.9%
48.1%	817	825	8	0.9%
49.4%	811	824	13	1.7%
50.6%	810	823	13	1.6%
51.9%	803	817	14	1.7%
53.1%	801	813	12	1.5%
54.3%	796	812	17	2.1%
55.6%	793	810	16	2.1%
56.8%	787	801	13	1.7%
58.0%	780	798	18	2.4%
59.3%	780	790	10	1.3%
60.5%	779	787	8	1.0%
61.7%	774	783	9	1.1%
63.0%	770	781	11	1.4%
64.2%	761	779	17	2.3%
65.4%	760	779	19	2.5%
66.7%	758	774	16	2.1%
67.9%	758	764	6	0.8%
69.1%	757	759	2	0.3%
70.4%	757	757	1	0.1%
71.6%	754	755	1	0.1%
72.8%	753	754	1	0.2%
74.1%	753	754	1	0.2%
75.3%	752	750	-2	-0.2%
76.5%	743	749	6	0.8%
77.8%	742	747	5	0.7%
79.0%	740	737	-3	-0.5%
80.2%	731	734	3	0.4%
81.5%	731	734	3	0.4%
82.7%	729	732	4	0.5%
84.0%	726	730	4	0.5%
85.2%	725	727	2	0.3%
86.4%	710	723	13	1.8%
87.7%	710	708	-1	-0.2%
88.9%	710	708	-2	-0.3%
90.1%	709	704	-4	-0.6%
91.4%	703	703	-1	-0.1%
92.6%	701	699	-1	-0.2%
93.8%	693	695	1	0.2%
95.1%	677	692	15	2.2%
96.3%	669	691	22	3.3%
97.5%	669	688	19	2.8%
98.8%	667	684	16	2.4%
100.0%	660	683	23	3.6%

Table SW-19-3b

Lake Oroville, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	1	0.1%
1.2%	867	869	1	0.2%
2.5%	867	867	0	0.0%
3.7%	864	867	3	0.4%
4.9%	863	864	1	0.1%
6.2%	863	864	1	0.1%
7.4%	862	863	1	0.1%
8.6%	861	862	2	0.2%
9.9%	860	861	1	0.1%
11.1%	860	860	0	0.0%
12.3%	859	860	1	0.1%
13.6%	858	860	1	0.2%
14.8%	856	859	3	0.3%
16.0%	856	858	2	0.3%
17.3%	855	858	2	0.3%
18.5%	853	857	3	0.4%
19.8%	853	856	3	0.4%
21.0%	852	855	3	0.4%
22.2%	852	853	2	0.2%
23.5%	851	852	1	0.2%
24.7%	850	852	2	0.2%
25.9%	850	852	2	0.2%
27.2%	849	850	1	0.1%
28.4%	849	850	1	0.1%
29.6%	849	850	1	0.1%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	847	849	2	0.2%
46.9%	846	849	2	0.3%
48.1%	846	849	3	0.4%
49.4%	845	849	3	0.4%
50.6%	836	843	7	0.8%
51.9%	835	838	4	0.4%
53.1%	833	837	5	0.6%
54.3%	829	836	7	0.9%
55.6%	828	833	5	0.7%
56.8%	826	827	1	0.1%
58.0%	822	825	3	0.3%
59.3%	822	824	2	0.3%
60.5%	818	824	6	0.7%
61.7%	818	824	5	0.6%
63.0%	807	821	14	1.7%
64.2%	799	800	1	0.2%
65.4%	796	798	2	0.2%
66.7%	793	798	5	0.7%
67.9%	792	798	6	0.8%
69.1%	787	796	8	1.1%
70.4%	784	795	11	1.4%
71.6%	782	792	10	1.2%
72.8%	779	790	11	1.4%
74.1%	775	781	5	0.7%
75.3%	774	778	4	0.5%
76.5%	772	778	6	0.8%
77.8%	769	773	4	0.6%
79.0%	766	769	3	0.4%
80.2%	765	769	4	0.5%
81.5%	764	767	3	0.4%
82.7%	763	766	3	0.4%
84.0%	762	766	4	0.5%
85.2%	760	764	3	0.4%
86.4%	752	759	7	0.9%
87.7%	746	752	6	0.8%
88.9%	736	738	2	0.3%
90.1%	727	729	3	0.4%
91.4%	718	724	6	0.8%
92.6%	706	718	12	1.7%
93.8%	699	717	18	2.5%
95.1%	693	707	14	2.0%
96.3%	692	703	11	1.6%
97.5%	691	695	4	0.5%
98.8%	688	693	5	0.8%
100.0%	663	690	27	4.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	874	874	0	0.0%
3.7%	872	874	2	0.2%
4.9%	872	872	1	0.1%
6.2%	871	872	0	0.0%
7.4%	870	871	1	0.1%
8.6%	870	870	1	0.1%
9.9%	868	870	2	0.3%
11.1%	867	868	0	0.0%
12.3%	867	867	0	0.0%
13.6%	867	867	0	0.0%
14.8%	866	867	1	0.1%
16.0%	865	866	1	0.1%
17.3%	865	865	0	0.0%
18.5%	865	865	0	0.0%
19.8%	864	865	0	0.0%
21.0%	863	864	1	0.2%
22.2%	863	863	0	0.0%
23.5%	863	863	1	0.1%
24.7%	862	863	0	0.1%
25.9%	862	863	1	0.1%
27.2%	861	862	2	0.2%
28.4%	861	861	0	0.0%
29.6%	860	861	1	0.1%
30.9%	860	860	0	0.0%
32.1%	859	860	0	0.1%
33.3%	859	859	0	0.0%
34.6%	859	859	0	0.0%
35.8%	859	859	0	0.0%
37.0%	858	859	1	0.1%
38.3%	858	858	0	0.0%
39.5%	858	858	0	0.0%
40.7%	857	858	1	0.1%
42.0%	854	854	0	0.0%
43.2%	853	853	0	0.1%
44.4%	852	853	1	0.1%
45.7%	851	852	1	0.1%
46.9%	851	852	1	0.1%
48.1%	851	851	0	0.0%
49.4%	850	851	1	0.1%
50.6%	849	850	0	0.1%
51.9%	849	849	1	0.1%
53.1%	849	849	0	0.0%
54.3%	849	849	0	0.0%
55.6%	849	849	0	0.0%
56.8%	849	849	0	0.0%
58.0%	849	849	0	0.0%
59.3%	849	849	0	0.0%
60.5%	847	849	2	0.2%
61.7%	845	848	3	0.3%
63.0%	842	846	4	0.5%
64.2%	841	845	3	0.4%
65.4%	831	840	9	1.1%
66.7%	828	838	10	1.2%
67.9%	824	833	9	1.0%
69.1%	821	825	4	0.5%
70.4%	817	825	8	1.0%
71.6%	816	822	5	0.6%
72.8%	811	820	9	1.2%
74.1%	807	817	10	1.2%
75.3%	807	813	6	0.8%
76.5%	801	812	11	1.3%
77.8%	801	809	8	1.0%
79.0%	798	806	8	1.0%
80.2%	796	804	8	1.0%
81.5%	796	793	-3	-0.4%
82.7%	794	791	-3	-0.4%
84.0%	788	788	0	0.0%
85.2%	783	787	4	0.5%
86.4%	779	784	5	0.6%
87.7%	769	779	10	1.3%
88.9%	768	773	5	0.7%
90.1%	759	757	-2	-0.2%
91.4%	735	749	14	2.0%
92.6%	726	747	21	2.9%
93.8%	725	737	12	1.6%
95.1%	724	735	11	1.6%
96.3%	721	735	14	2.0%
97.5%	711	729	18	2.5%
98.8%	702	695	-7	-1.0%
100.0%	693	694	1	0.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	894	894	0	0.0%
4.9%	893	893	0	0.0%
6.2%	892	892	0	0.0%
7.4%	890	890	0	0.0%
8.6%	890	890	0	0.0%
9.9%	888	888	0	0.0%
11.1%	888	888	0	0.0%
12.3%	888	888	0	0.0%
13.6%	887	887	0	0.0%
14.8%	887	887	0	0.0%
16.0%	887	887	0	0.0%
17.3%	887	887	0	0.0%
18.5%	886	886	0	0.0%
19.8%	885	885	0	0.0%
21.0%	884	884	0	0.0%
22.2%	884	884	0	0.0%
23.5%	884	884	0	0.0%
24.7%	883	883	0	0.0%
25.9%	883	883	0	0.0%
27.2%	883	883	0	0.0%
28.4%	883	883	0	0.0%
29.6%	883	883	0	0.0%
30.9%	882	882	0	0.0%
32.1%	882	882	0	0.0%
33.3%	882	882	0	0.0%
34.6%	880	880	0	0.0%
35.8%	879	879	0	0.0%
37.0%	879	879	0	0.0%
38.3%	879	879	0	0.0%
39.5%	879	879	0	0.0%
40.7%	878	879	1	0.1%
42.0%	877	878	1	0.1%
43.2%	877	877	0	0.0%
44.4%	877	877	0	0.0%
45.7%	876	877	1	0.1%
46.9%	876	877	2	0.2%
48.1%	876	876	1	0.1%
49.4%	875	876	1	0.1%
50.6%	873	876	3	0.3%
51.9%	873	875	2	0.3%
53.1%	872	875	2	0.3%
54.3%	872	874	3	0.3%
55.6%	870	874	4	0.5%
56.8%	869	873	4	0.4%
58.0%	868	873	5	0.6%
59.3%	868	870	3	0.3%
60.5%	865	869	4	0.4%
61.7%	861	869	8	1.0%
63.0%	859	866	7	0.8%
64.2%	856	857	1	0.1%
65.4%	854	857	3	0.3%
66.7%	852	856	4	0.5%
67.9%	841	855	14	1.6%
69.1%	841	843	2	0.3%
70.4%	841	842	1	0.1%
71.6%	838	840	2	0.3%
72.8%	837	839	2	0.2%
74.1%	831	839	7	0.9%
75.3%	826	837	11	1.3%
76.5%	824	836	12	1.4%
77.8%	823	834	12	1.4%
79.0%	822	825	2	0.3%
80.2%	822	819	-3	-0.3%
81.5%	812	819	6	0.8%
82.7%	811	818	7	0.8%
84.0%	809	817	8	1.0%
85.2%	809	805	-4	-0.4%
86.4%	791	801	10	1.3%
87.7%	790	798	7	0.9%
88.9%	776	778	2	0.2%
90.1%	773	777	4	0.5%
91.4%	757	772	14	1.9%
92.6%	752	771	20	2.6%
93.8%	741	755	15	2.0%
95.1%	732	751	19	2.6%
96.3%	731	739	8	1.2%
97.5%	715	733	17	2.4%
98.8%	711	704	-7	-1.0%
100.0%	679	682	2	0.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	900	0	0.0%
28.4%	900	900	0	0.0%
29.6%	900	900	0	0.0%
30.9%	900	900	0	0.0%
32.1%	900	900	0	0.0%
33.3%	900	900	0	0.0%
34.6%	900	900	0	0.0%
35.8%	899	900	0	0.0%
37.0%	899	899	0	0.0%
38.3%	898	898	0	0.0%
39.5%	897	898	1	0.1%
40.7%	896	898	2	0.2%
42.0%	895	897	2	0.3%
43.2%	891	896	5	0.5%
44.4%	891	895	4	0.4%
45.7%	889	891	3	0.3%
46.9%	888	891	3	0.3%
48.1%	887	888	1	0.1%
49.4%	883	887	3	0.4%
50.6%	881	884	2	0.3%
51.9%	879	883	4	0.5%
53.1%	879	881	2	0.3%
54.3%	877	881	3	0.4%
55.6%	877	879	2	0.2%
56.8%	876	877	1	0.1%
58.0%	875	876	1	0.1%
59.3%	872	875	3	0.3%
60.5%	871	869	-2	-0.2%
61.7%	861	868	7	0.8%
63.0%	859	867	8	0.9%
64.2%	859	863	4	0.4%
65.4%	856	863	7	0.8%
66.7%	855	861	6	0.7%
67.9%	854	860	6	0.7%
69.1%	854	860	6	0.7%
70.4%	852	857	5	0.5%
71.6%	851	855	4	0.5%
72.8%	849	854	5	0.6%
74.1%	845	852	7	0.8%
75.3%	841	849	8	0.9%
76.5%	836	847	11	1.3%
77.8%	835	834	0	0.0%
79.0%	829	834	4	0.5%
80.2%	827	831	5	0.6%
81.5%	824	828	3	0.4%
82.7%	820	819	-1	-0.1%
84.0%	818	814	-4	-0.5%
85.2%	794	812	19	2.4%
86.4%	787	812	25	3.2%
87.7%	783	807	24	3.1%
88.9%	780	791	11	1.5%
90.1%	778	777	-1	-0.2%
91.4%	772	769	-3	-0.4%
92.6%	753	767	14	1.9%
93.8%	747	761	14	1.9%
95.1%	732	754	22	3.0%
96.3%	725	728	3	0.4%
97.5%	718	725	7	1.0%
98.8%	705	706	2	0.2%
100.0%	672	674	2	0.3%

Table SW-19-3b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	899	-1	-0.1%
19.8%	900	898	-2	-0.2%
21.0%	900	898	-2	-0.2%
22.2%	900	898	-2	-0.2%
23.5%	900	898	-2	-0.2%
24.7%	900	898	-2	-0.2%
25.9%	900	898	-2	-0.2%
27.2%	900	898	-2	-0.2%
28.4%	900	898	-2	-0.2%
29.6%	900	897	-3	-0.3%
30.9%	900	897	-3	-0.3%
32.1%	897	896	-1	-0.1%
33.3%	896	892	-4	-0.5%
34.6%	895	890	-5	-0.5%
35.8%	892	890	-2	-0.2%
37.0%	892	889	-3	-0.3%
38.3%	887	889	2	0.2%
39.5%	884	888	4	0.5%
40.7%	882	884	2	0.2%
42.0%	881	884	3	0.3%
43.2%	881	879	-1	-0.2%
44.4%	878	878	0	0.1%
45.7%	878	877	-1	-0.1%
46.9%	876	876	0	-0.1%
48.1%	875	875	0	0.0%
49.4%	871	875	4	0.4%
50.6%	870	873	2	0.3%
51.9%	870	872	2	0.2%
53.1%	869	871	2	0.2%
54.3%	867	870	3	0.4%
55.6%	865	869	3	0.4%
56.8%	863	865	3	0.3%
58.0%	860	863	4	0.4%
59.3%	858	861	3	0.3%
60.5%	855	858	3	0.3%
61.7%	855	856	1	0.1%
63.0%	854	856	1	0.2%
64.2%	853	853	0	0.0%
65.4%	851	849	-2	-0.2%
66.7%	843	846	3	0.4%
67.9%	842	846	4	0.5%
69.1%	841	843	1	0.2%
70.4%	838	842	4	0.5%
71.6%	836	841	6	0.7%
72.8%	834	840	6	0.7%
74.1%	832	839	7	0.8%
75.3%	828	837	10	1.2%
76.5%	820	835	15	1.8%
77.8%	815	821	6	0.7%
79.0%	814	820	6	0.8%
80.2%	813	820	7	0.8%
81.5%	811	814	4	0.4%
82.7%	798	810	11	1.4%
84.0%	797	807	10	1.2%
85.2%	785	805	20	2.6%
86.4%	766	789	23	2.9%
87.7%	761	781	21	2.7%
88.9%	760	761	2	0.2%
90.1%	753	760	7	0.9%
91.4%	749	756	6	0.9%
92.6%	734	753	18	2.5%
93.8%	726	736	10	1.4%
95.1%	714	732	18	2.5%
96.3%	706	706	0	0.0%
97.5%	687	699	12	1.8%
98.8%	681	695	14	2.0%
100.0%	635	637	2	0.4%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	896	-4	-0.5%
4.9%	900	895	-5	-0.6%
6.2%	894	892	-2	-0.2%
7.4%	890	889	-1	-0.1%
8.6%	889	887	-2	-0.2%
9.9%	885	879	-6	-0.7%
11.1%	878	878	0	0.0%
12.3%	877	876	-1	-0.1%
13.6%	875	874	-1	-0.1%
14.8%	872	873	1	0.1%
16.0%	871	870	-1	-0.1%
17.3%	870	869	-1	-0.1%
18.5%	867	868	1	0.1%
19.8%	865	864	-1	-0.2%
21.0%	865	863	-2	-0.2%
22.2%	865	863	-2	-0.2%
23.5%	864	862	-2	-0.2%
24.7%	863	862	-2	-0.2%
25.9%	863	861	-2	-0.2%
27.2%	862	861	-1	-0.1%
28.4%	861	860	-2	-0.2%
29.6%	860	857	-3	-0.3%
30.9%	859	857	-2	-0.2%
32.1%	856	856	0	0.0%
33.3%	856	855	-1	-0.1%
34.6%	854	850	-3	-0.4%
35.8%	851	850	-2	-0.2%
37.0%	850	849	-1	-0.2%
38.3%	846	849	2	0.3%
39.5%	841	849	7	0.9%
40.7%	840	845	5	0.6%
42.0%	839	841	2	0.3%
43.2%	839	841	2	0.2%
44.4%	838	838	-1	-0.1%
45.7%	838	837	-1	-0.1%
46.9%	837	836	-1	-0.1%
48.1%	833	836	4	0.4%
49.4%	832	835	3	0.4%
50.6%	831	832	1	0.1%
51.9%	831	830	0	0.0%
53.1%	827	829	2	0.3%
54.3%	826	828	2	0.2%
55.6%	823	826	3	0.4%
56.8%	822	826	4	0.5%
58.0%	815	820	5	0.6%
59.3%	814	818	4	0.5%
60.5%	814	817	3	0.4%
61.7%	813	811	-2	-0.2%
63.0%	811	811	0	0.0%
64.2%	807	810	2	0.3%
65.4%	803	801	-2	-0.2%
66.7%	791	800	9	1.1%
67.9%	790	794	4	0.5%
69.1%	790	793	2	0.3%
70.4%	790	792	2	0.3%
71.6%	789	791	2	0.3%
72.8%	787	790	3	0.4%
74.1%	779	786	7	0.9%
75.3%	771	784	14	1.8%
76.5%	760	784	23	3.1%
77.8%	760	770	11	1.4%
79.0%	754	766	13	1.7%
80.2%	751	764	13	1.8%
81.5%	750	763	13	1.8%
82.7%	738	756	17	2.4%
84.0%	735	754	19	2.5%
85.2%	735	743	8	1.2%
86.4%	704	730	25	3.6%
87.7%	693	715	22	3.2%
88.9%	692	700	8	1.2%
90.1%	689	699	10	1.5%
91.4%	687	696	9	1.3%
92.6%	668	691	22	3.3%
93.8%	664	682	19	2.8%
95.1%	662	678	16	2.4%
96.3%	662	672	10	1.5%
97.5%	661	656	-6	-0.8%
98.8%	648	636	-12	-1.9%
100.0%	624	626	2	0.4%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	894	-6	-0.6%
1.2%	900	894	-6	-0.7%
2.5%	899	891	-8	-0.9%
3.7%	896	890	-7	-0.7%
4.9%	895	884	-11	-1.2%
6.2%	885	881	-4	-0.4%
7.4%	885	881	-4	-0.4%
8.6%	883	878	-4	-0.5%
9.9%	878	873	-5	-0.6%
11.1%	877	872	-5	-0.6%
12.3%	864	864	1	0.1%
13.6%	863	863	0	0.0%
14.8%	862	862	-1	-0.1%
16.0%	859	858	0	0.0%
17.3%	857	854	-3	-0.4%
18.5%	852	854	2	0.2%
19.8%	850	853	2	0.3%
21.0%	849	852	2	0.3%
22.2%	844	849	5	0.6%
23.5%	843	848	4	0.5%
24.7%	841	847	6	0.7%
25.9%	837	844	7	0.8%
27.2%	837	843	6	0.7%
28.4%	833	841	8	1.0%
29.6%	833	835	3	0.3%
30.9%	832	834	2	0.2%
32.1%	830	833	3	0.3%
33.3%	829	833	4	0.5%
34.6%	825	831	6	0.8%
35.8%	823	829	5	0.6%
37.0%	819	825	6	0.7%
38.3%	818	819	1	0.1%
39.5%	812	818	6	0.8%
40.7%	811	815	4	0.5%
42.0%	810	815	5	0.6%
43.2%	808	814	6	0.7%
44.4%	808	814	6	0.7%
45.7%	806	811	5	0.7%
46.9%	805	805	-1	-0.1%
48.1%	803	805	2	0.2%
49.4%	800	804	3	0.4%
50.6%	795	803	8	1.0%
51.9%	791	801	10	1.3%
53.1%	790	799	9	1.2%
54.3%	786	790	4	0.6%
55.6%	785	789	4	0.5%
56.8%	782	786	4	0.5%
58.0%	778	778	0	0.0%
59.3%	770	769	-1	-0.1%
60.5%	769	767	-2	-0.2%
61.7%	768	766	-2	-0.3%
63.0%	765	765	0	0.0%
64.2%	760	758	-2	-0.2%
65.4%	756	756	0	-0.1%
66.7%	755	752	-3	-0.4%
67.9%	750	747	-3	-0.4%
69.1%	747	746	-1	-0.1%
70.4%	743	743	0	0.0%
71.6%	741	741	-1	-0.1%
72.8%	730	739	9	1.2%
74.1%	725	736	11	1.5%
75.3%	723	734	11	1.5%
76.5%	718	732	13	1.8%
77.8%	711	730	19	2.7%
79.0%	703	722	19	2.7%
80.2%	703	707	4	0.5%
81.5%	696	705	9	1.3%
82.7%	686	704	18	2.6%
84.0%	683	695	12	1.7%
85.2%	680	690	10	1.4%
86.4%	678	687	9	1.3%
87.7%	678	685	7	1.1%
88.9%	676	683	6	0.9%
90.1%	670	675	5	0.8%
91.4%	658	670	13	1.9%
92.6%	656	659	3	0.4%
93.8%	649	657	8	1.3%
95.1%	644	657	13	2.0%
96.3%	644	645	1	0.2%
97.5%	641	640	-1	-0.2%
98.8%	637	635	-2	-0.3%
100.0%	624	626	2	0.4%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	879	877	-3	-0.3%
3.7%	871	857	-14	-1.6%
4.9%	867	857	-11	-1.2%
6.2%	864	854	-11	-1.2%
7.4%	858	845	-13	-1.5%
8.6%	853	844	-9	-1.0%
9.9%	849	837	-12	-1.4%
11.1%	842	837	-6	-0.7%
12.3%	839	833	-5	-0.6%
13.6%	827	831	4	0.4%
14.8%	824	830	5	0.7%
16.0%	824	827	3	0.4%
17.3%	824	826	2	0.3%
18.5%	822	821	-1	-0.2%
19.8%	818	820	3	0.4%
21.0%	815	818	2	0.3%
22.2%	811	816	6	0.7%
23.5%	809	816	7	0.9%
24.7%	808	816	8	1.0%
25.9%	802	814	12	1.5%
27.2%	801	809	8	1.0%
28.4%	800	807	6	0.8%
29.6%	800	805	5	0.7%
30.9%	798	799	0	0.0%
32.1%	794	795	1	0.1%
33.3%	792	794	2	0.2%
34.6%	790	794	3	0.4%
35.8%	786	793	7	0.9%
37.0%	781	787	6	0.7%
38.3%	781	786	5	0.7%
39.5%	780	785	5	0.7%
40.7%	778	785	6	0.8%
42.0%	776	782	5	0.7%
43.2%	776	782	6	0.7%
44.4%	772	777	5	0.7%
45.7%	772	776	4	0.5%
46.9%	769	773	4	0.5%
48.1%	766	772	6	0.8%
49.4%	766	772	6	0.8%
50.6%	764	769	4	0.6%
51.9%	763	765	2	0.3%
53.1%	762	764	2	0.2%
54.3%	760	760	0	0.0%
55.6%	758	759	2	0.2%
56.8%	754	754	1	0.1%
58.0%	751	748	-3	-0.4%
59.3%	745	747	2	0.2%
60.5%	741	747	6	0.8%
61.7%	741	737	-4	-0.5%
63.0%	740	736	-4	-0.5%
64.2%	736	732	-3	-0.4%
65.4%	735	732	-3	-0.4%
66.7%	735	729	-6	-0.8%
67.9%	731	726	-5	-0.7%
69.1%	731	723	-8	-1.1%
70.4%	721	719	-3	-0.4%
71.6%	714	716	2	0.3%
72.8%	711	715	4	0.5%
74.1%	711	713	3	0.4%
75.3%	707	707	0	0.0%
76.5%	699	706	7	1.0%
77.8%	694	704	10	1.4%
79.0%	690	696	7	1.0%
80.2%	687	692	5	0.7%
81.5%	684	691	7	1.1%
82.7%	683	684	2	0.2%
84.0%	679	683	4	0.6%
85.2%	676	683	7	1.1%
86.4%	672	680	8	1.2%
87.7%	670	675	5	0.7%
88.9%	669	674	5	0.8%
90.1%	657	668	11	1.7%
91.4%	653	665	13	2.0%
92.6%	652	657	5	0.7%
93.8%	644	648	4	0.6%
95.1%	641	639	-2	-0.3%
96.3%	632	635	3	0.5%
97.5%	625	634	9	1.4%
98.8%	620	629	10	1.6%
100.0%	614	628	14	2.3%

Table SW-20-3a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,534	9,758	10,296	11,062	11,830	12,579	13,507	13,966	13,553	11,845	10,745	9,776
Alternative A	9,653	9,880	10,476	11,226	11,981	12,697	13,635	14,106	13,671	11,966	10,857	9,837
Difference	120	123	180	164	151	118	128	140	117	121	112	61
Percent Difference[3]	1.3%	1.3%	1.8%	1.5%	1.3%	0.9%	0.9%	1.0%	0.9%	1.0%	1.0%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,847	12,023	12,241	12,918	13,543	13,827	15,023	15,703	15,620	14,426	13,760	12,187
Alternative A	11,844	12,035	12,328	12,929	13,553	13,827	15,023	15,703	15,579	14,377	13,736	12,129
Difference	-3	13	87	11	10	0	0	0	-41	-49	-24	-58
Percent Difference	0.0%	0.1%	0.7%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.2%	-0.5%
Above Normal (15%)												
No Action Alternative	10,387	10,592	10,976	11,576	12,691	13,776	14,982	15,670	15,320	13,416	12,098	10,669
Alternative A	10,394	10,593	11,125	11,704	12,811	13,796	15,002	15,670	15,252	13,333	12,109	10,621
Difference	7	1	149	128	120	20	20	0	-68	-82	11	-48
Percent Difference	0.1%	0.0%	1.4%	1.1%	0.9%	0.1%	0.1%	0.0%	-0.4%	-0.6%	0.1%	-0.5%
Below Normal (17%)												
No Action Alternative	10,028	10,289	11,051	10,718	11,676	12,599	13,908	14,647	14,284	12,301	10,833	10,199
Alternative A	10,300	10,566	11,248	11,149	12,015	12,845	14,151	14,894	14,439	12,473	11,085	10,404
Difference	273	276	197	431	339	246	244	247	156	172	252	205
Percent Difference	2.7%	2.7%	1.8%	4.0%	2.9%	2.0%	1.8%	1.7%	1.1%	1.4%	2.3%	2.0%
Dry (22%)												
No Action Alternative	7,519	7,867	8,819	9,887	10,746	11,899	12,575	12,726	11,976	9,862	8,266	7,749
Alternative A	7,610	7,947	9,020	9,968	10,834	12,010	12,697	12,903	12,207	10,127	8,357	7,758
Difference	90	80	202	81	88	112	122	178	231	264	91	10
Percent Difference	1.2%	1.0%	2.3%	0.8%	0.8%	0.9%	1.0%	1.4%	1.9%	2.7%	1.1%	0.1%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	8,691	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative A	6,478	6,598	7,097	9,036	9,427	10,010	10,066	9,968	9,256	7,540	6,850	6,540
Difference	362	368	361	345	366	334	388	401	433	416	376	336
Percent Difference	5.9%	5.9%	5.4%	4.0%	4.0%	3.5%	4.0%	4.2%	4.9%	5.8%	5.8%	5.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-20-3b
Lake Oroville, End of Month Area
Probability of Exceedance

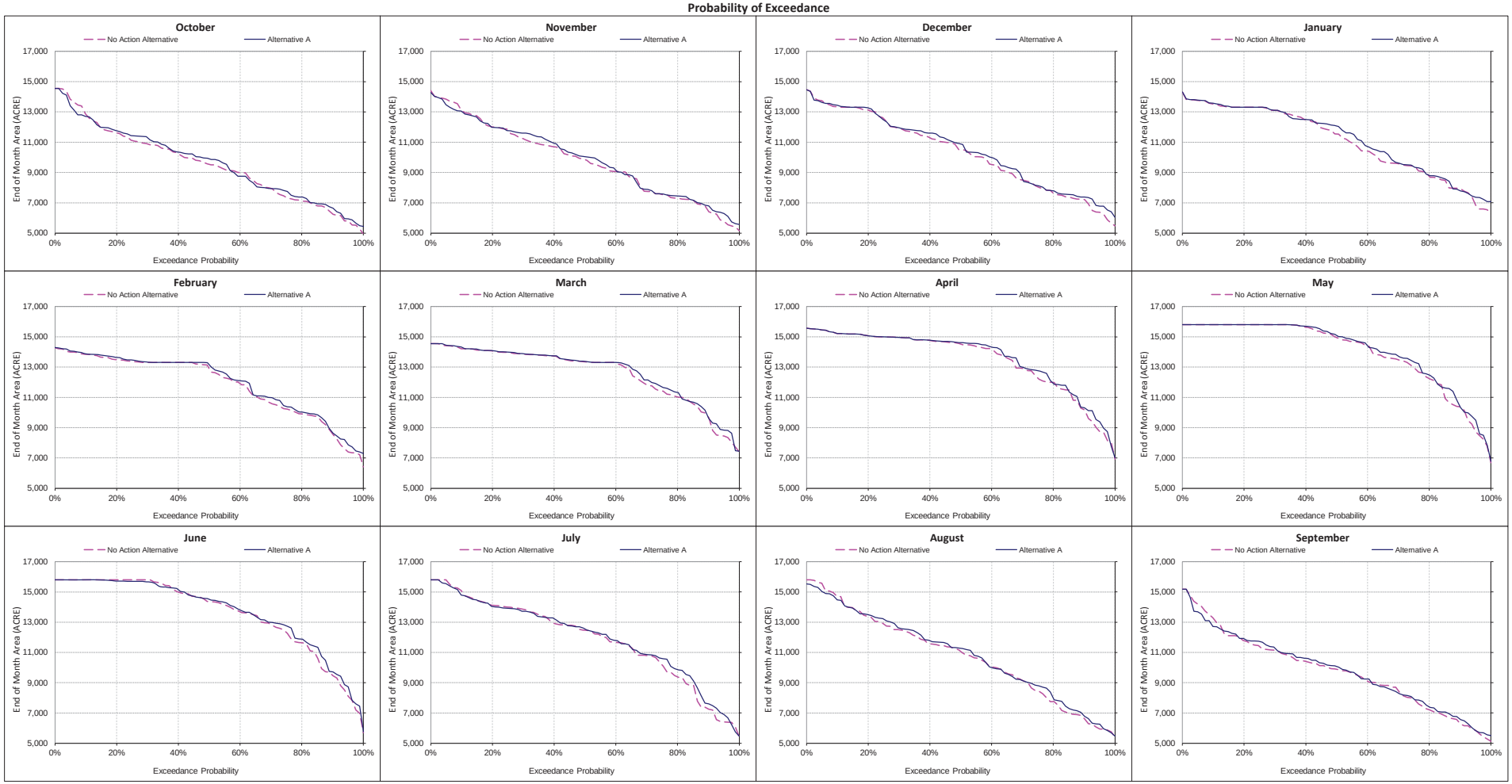

Table SW-20-3b

Lake Oroville, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,507	14,226	-281	-1.9%
3.7%	14,358	14,116	-242	-1.7%
4.9%	13,847	13,407	-440	-3.2%
6.2%	13,638	13,117	-520	-3.8%
7.4%	13,463	12,812	-651	-4.8%
8.6%	13,388	12,804	-584	-4.4%
9.9%	12,870	12,701	-168	-1.3%
11.1%	12,581	12,675	94	0.7%
12.3%	12,397	12,476	79	0.6%
13.6%	12,301	12,150	-151	-1.2%
14.8%	11,951	11,985	35	0.3%
16.0%	11,814	11,973	159	1.3%
17.3%	11,756	11,951	195	1.7%
18.5%	11,696	11,856	159	1.4%
19.8%	11,633	11,773	140	1.2%
21.0%	11,565	11,695	130	1.1%
22.2%	11,395	11,598	204	1.8%
23.5%	11,345	11,546	201	1.8%
24.7%	11,123	11,436	312	2.8%
25.9%	11,060	11,421	360	3.3%
27.2%	11,034	11,396	361	3.3%
28.4%	10,943	11,391	448	4.1%
29.6%	10,918	11,366	449	4.1%
30.9%	10,834	11,152	318	2.9%
32.1%	10,832	11,027	196	1.8%
33.3%	10,782	11,018	236	2.2%
34.6%	10,604	10,864	260	2.5%
35.8%	10,545	10,792	247	2.3%
37.0%	10,537	10,603	65	0.6%
38.3%	10,360	10,422	62	0.6%
39.5%	10,309	10,354	45	0.4%
40.7%	10,149	10,336	186	1.8%
42.0%	9,989	10,264	276	2.8%
43.2%	9,957	10,235	278	2.8%
44.4%	9,950	10,222	272	2.7%
45.7%	9,808	10,044	236	2.4%
46.9%	9,777	10,020	243	2.5%
48.1%	9,675	9,959	284	2.9%
49.4%	9,566	9,950	385	4.0%
50.6%	9,505	9,864	359	3.8%
51.9%	9,501	9,861	360	3.8%
53.1%	9,392	9,785	392	4.2%
54.3%	9,278	9,648	370	4.0%
55.6%	9,149	9,540	391	4.3%
56.8%	9,131	9,126	-5	-0.1%
58.0%	9,105	8,980	-124	-1.4%
59.3%	9,006	8,755	-251	-2.8%
60.5%	9,003	8,752	-251	-2.8%
61.7%	8,976	8,750	-225	-2.5%
63.0%	8,642	8,477	-166	-1.9%
64.2%	8,484	8,314	-170	-2.0%
65.4%	8,267	8,051	-215	-2.6%
66.7%	8,196	8,014	-182	-2.2%
67.9%	8,022	7,997	-25	-0.3%
69.1%	7,995	7,942	-53	-0.7%
70.4%	7,931	7,939	8	0.1%
71.6%	7,682	7,925	243	3.2%
72.8%	7,552	7,906	354	4.7%
74.1%	7,455	7,815	359	4.8%
75.3%	7,309	7,755	445	6.1%
76.5%	7,269	7,497	228	3.1%
77.8%	7,197	7,406	209	2.9%
79.0%	7,173	7,378	205	2.9%
80.2%	7,111	7,373	262	3.7%
81.5%	7,091	7,281	190	2.7%
82.7%	7,008	7,013	5	0.1%
84.0%	6,860	6,989	130	1.9%
85.2%	6,788	6,931	143	2.1%
86.4%	6,786	6,929	143	2.1%
87.7%	6,696	6,893	197	2.9%
88.9%	6,460	6,746	286	4.4%
90.1%	6,233	6,638	405	6.5%
91.4%	6,179	6,405	226	3.7%
92.6%	6,151	6,302	150	2.4%
93.8%	5,802	5,955	152	2.6%
95.1%	5,800	5,937	136	2.3%
96.3%	5,534	5,877	343	6.2%
97.5%	5,513	5,662	148	2.7%
98.8%	5,278	5,493	215	4.1%
100.0%	4,903	5,439	536	10.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,275	-132	-0.9%
1.2%	14,037	14,037	0	0.0%
2.5%	13,947	13,947	0	0.0%
3.7%	13,906	13,844	-62	-0.4%
4.9%	13,844	13,486	-358	-2.6%
6.2%	13,706	13,304	-402	-2.9%
7.4%	13,649	13,184	-465	-3.4%
8.6%	13,542	13,072	-469	-3.5%
9.9%	13,124	13,063	-60	-0.5%
11.1%	12,940	12,862	-78	-0.6%
12.3%	12,912	12,801	-111	-0.9%
13.6%	12,782	12,743	-39	-0.3%
14.8%	12,759	12,677	-82	-0.6%
16.0%	12,547	12,410	-137	-1.1%
17.3%	12,217	12,263	46	0.4%
18.5%	12,091	12,232	141	1.2%
19.8%	12,020	11,981	-39	-0.3%
21.0%	11,981	11,962	-19	-0.2%
22.2%	11,955	11,960	5	0.0%
23.5%	11,879	11,931	52	0.4%
24.7%	11,871	11,773	-98	-0.8%
25.9%	11,561	11,751	189	1.6%
27.2%	11,506	11,684	178	1.5%
28.4%	11,353	11,637	283	2.5%
29.6%	11,263	11,604	341	3.0%
30.9%	11,150	11,601	451	4.0%
32.1%	11,052	11,555	503	4.6%
33.3%	10,956	11,456	500	4.6%
34.6%	10,913	11,369	456	4.2%
35.8%	10,838	11,342	505	4.7%
37.0%	10,809	11,197	388	3.6%
38.3%	10,761	11,075	313	2.9%
39.5%	10,704	10,967	262	2.5%
40.7%	10,678	10,882	204	1.9%
42.0%	10,583	10,562	-21	-0.2%
43.2%	10,237	10,515	279	2.7%
44.4%	10,175	10,344	168	1.7%
45.7%	10,091	10,296	205	2.0%
46.9%	10,078	10,193	115	1.1%
48.1%	9,950	10,089	139	1.4%
49.4%	9,890	10,055	165	1.7%
50.6%	9,808	10,019	211	2.1%
51.9%	9,593	9,992	399	4.2%
53.1%	9,552	9,954	401	4.2%
54.3%	9,448	9,815	368	3.9%
55.6%	9,339	9,648	309	3.3%
56.8%	9,296	9,525	229	2.5%
58.0%	9,106	9,346	240	2.6%
59.3%	9,077	9,306	229	2.5%
60.5%	9,066	9,046	-20	-0.2%
61.7%	9,045	9,017	-28	-0.3%
63.0%	9,041	8,862	-179	-2.0%
64.2%	8,739	8,858	119	1.4%
65.4%	8,630	8,775	146	1.7%
66.7%	8,582	8,349	-233	-2.7%
67.9%	8,065	7,968	-97	-1.2%
69.1%	7,767	7,900	133	1.7%
70.4%	7,741	7,877	136	1.8%
71.6%	7,741	7,803	63	0.8%
72.8%	7,592	7,602	11	0.1%
74.1%	7,590	7,602	12	0.2%
75.3%	7,536	7,588	52	0.7%
76.5%	7,530	7,518	-12	-0.2%
77.8%	7,342	7,480	138	1.9%
79.0%	7,319	7,459	140	1.9%
80.2%	7,298	7,447	149	2.0%
81.5%	7,244	7,425	181	2.5%
82.7%	7,222	7,419	197	2.7%
84.0%	7,212	7,223	11	0.2%
85.2%	7,151	7,165	14	0.2%
86.4%	6,927	7,017	90	1.3%
87.7%	6,875	6,962	87	1.3%
88.9%	6,790	6,840	49	0.7%
90.1%	6,405	6,785	380	5.9%
91.4%	6,314	6,503	190	3.0%
92.6%	6,261	6,416	155	2.5%
93.8%	5,877	6,376	499	8.5%
95.1%	5,764	6,286	523	9.1%
96.3%	5,546	6,103	558	10.1%
97.5%	5,465	5,737	272	5.0%
98.8%	5,403	5,617	213	3.9%
100.0%	5,153	5,565	412	8.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,474	14,474	0	0.0%
1.2%	14,367	14,367	0	0.0%
2.5%	13,919	13,777	-142	-1.0%
3.7%	13,777	13,737	-40	-0.3%
4.9%	13,737	13,631	-106	-0.8%
6.2%	13,564	13,565	1	0.0%
7.4%	13,480	13,564	84	0.6%
8.6%	13,364	13,473	109	0.8%
9.9%	13,344	13,451	107	0.8%
11.1%	13,304	13,364	60	0.5%
12.3%	13,304	13,344	40	0.3%
13.6%	13,304	13,304	0	0.0%
14.8%	13,304	13,304	0	0.0%
16.0%	13,304	13,304	0	0.0%
17.3%	13,241	13,304	63	0.5%
18.5%	13,142	13,304	162	1.2%
19.8%	13,134	13,275	140	1.1%
21.0%	13,035	13,189	154	1.2%
22.2%	13,003	12,911	-91	-0.7%
23.5%	12,701	12,726	26	0.2%
24.7%	12,630	12,508	-122	-1.0%
25.9%	12,371	12,341	-30	-0.2%
27.2%	12,027	12,056	28	0.2%
28.4%	12,002	12,027	25	0.2%
29.6%	11,941	11,966	24	0.2%
30.9%	11,873	11,903	30	0.3%
32.1%	11,757	11,854	96	0.8%
33.3%	11,717	11,828	112	1.0%
34.6%	11,653	11,801	149	1.3%
35.8%	11,592	11,765	173	1.5%
37.0%	11,455	11,757	301	2.6%
38.3%	11,430	11,634	204	1.8%
39.5%	11,341	11,601	259	2.3%
40.7%	11,221	11,599	378	3.4%
42.0%	11,186	11,553	367	3.3%
43.2%	11,041	11,354	313	2.8%
44.4%	11,009	11,293	284	2.6%
45.7%	10,985	11,166	181	1.6%
46.9%	10,984	11,058	74	0.7%
48.1%	10,859	10,962	103	0.9%
49.4%	10,510	10,922	412	3.9%
50.6%	10,506	10,851	345	3.3%
51.9%	10,438	10,352	-86	-0.8%
53.1%	10,234	10,341	107	1.0%
54.3%	10,050	10,325	275	2.7%
55.6%	10,042	10,303	261	2.6%
56.8%	10,028	10,212	184	1.8%
58.0%	9,942	10,153	211	2.1%
59.3%	9,564	10,027	463	4.8%
60.5%	9,503	9,952	448	4.7%
61.7%	9,485	9,817	332	3.5%
63.0%	9,135	9,464	329	3.6%
64.2%	9,101	9,426	325	3.6%
65.4%	8,999	9,320	321	3.6%
66.7%	8,923	9,248	325	3.6%
67.9%	8,640	9,220	580	6.7%
69.1%	8,529	8,965	436	5.1%
70.4%	8,479	8,408	-70	-0.8%
71.6%	8,421	8,358	-63	-0.8%
72.8%	8,357	8,269	-88	-1.1%
74.1%	8,132	8,161	28	0.4%
75.3%	8,018	8,120	102	1.3%
76.5%	7,929	8,026	96	1.2%
77.8%	7,825	7,836	11	0.1%
79.0%	7,813	7,811	-2	0.0%
80.2%	7,571	7,785	214	2.8%
81.5%	7,531	7,637	105	1.4%
82.7%	7,495	7,576	81	1.1%
84.0%	7,392	7,561	170	2.3%
85.2%	7,385	7,542	158	2.1%
86.4%	7,294	7,530	235	3.2%
87.7%	7,243	7,432	189	2.6%
88.9%	7,236	7,379	143	2.0%
90.1%	7,212	7,376	164	2.3%
91.4%	6,927	7,343	416	6.0%
92.6%	6,487	7,240	754	11.6%
93.8%	6,383	6,821	439	6.9%
95.1%	6,365	6,779	414	6.5%
96.3%	6,247	6,776	529	8.5%
97.5%	5,873	6,529	655	11.2%
98.8%	5,655	6,412	757	13.4%
100.0%	5,475	6,035	560	10.2%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,314	0	0.0%
1.2%	13,821	13,866	45	0.3%
2.5%	13,811	13,821	10	0.1%
3.7%	13,801	13,811	10	0.1%
4.9%	13,757	13,772	14	0.1%
6.2%	13,751	13,757	7	0.0%
7.4%	13,714	13,751	37	0.3%
8.6%	13,577	13,592	14	0.1%
9.9%	13,524	13,577	53	0.4%
11.1%	13,497	13,524	27	0.2%
12.3%	13,387	13,497	110	0.8%
13.6%	13,374	13,387	13	0.1%
14.8%	13,304	13,374	70	0.5%
16.0%	13,304	13,304	0	0.0%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,301	13,304	3	0.0%
27.2%	13,257	13,301	44	0.3%
28.4%	13,107	13,165	59	0.4%
29.6%	13,100	13,112	12	0.1%
30.9%	13,093	13,106	13	0.1%
32.1%	12,981	13,001	20	0.2%
33.3%	12,879	12,961	82	0.6%
34.6%	12,862	12,693	-169	-1.3%
35.8%	12,776	12,560	-216	-1.7%
37.0%	12,698	12,545	-152	-1.2%
38.3%	12,662	12,508	-154	-1.2%
39.5%	12,513	12,503	-9	-0.1%
40.7%	12,473	12,496	23	0.2%
42.0%	12,353	12,472	119	1.0%
43.2%	12,332	12,263	-69	-0.6%
44.4%	11,990	12,261	271	2.3%
45.7%	11,900	12,244	344	2.9%
46.9%	11,841	12,208	367	3.1%
48.1%	11,779	12,133	354	3.0%
49.4%	11,554	12,111	557	4.8%
50.6%	11,527	12,044	517	4.5%
51.9%	11,287	11,780	494	4.4%
53.1%	11,197	11,626	429	3.8%
54.3%	11,006	11,614	609	5.5%
55.6%	10,912	11,509	597	5.5%
56.8%	10,699	11,180	480	4.5%
58.0%	10,425	11,095	670	6.4%
59.3%	10,422	10,782	360	3.5%
60.5%	10,388	10,676	287	2.8%
61.7%	10,226	10,550	324	3.2%
63.0%	10,083	10,481	399	4.0%
64.2%	9,755	10,384	629	6.4%
65.4%	9,692	10,381	688	7.1%
66.7%	9,627	10,202	574	6.0%
67.9%	9,622	9,842	220	2.3%
69.1%	9,598	9,671	73	0.8%
70.4%	9,578	9,599	21	0.2%
71.6%	9,494	9,519	25	0.3%
72.8%	9,459	9,502	43	0.4%
74.1%	9,446	9,495	49	0.5%
75.3%	9,401	9,336	-65	-0.7%
76.5%	9,106	9,303	197	2.2%
77.8%	9,065	9,230	165	1.8%
79.0%	8,998	8,881	-117	-1.3%
80.2%	8,685	8,789	104	1.2%
81.5%	8,683	8,788	105	1.2%
82.7%	8,612	8,740	128	1.5%
84.0%	8,521	8,653	132	1.5%
85.2%	8,486	8,563	77	0.9%
86.4%	7,977	8,410	433	5.4%
87.7%	7,968	7,918	-50	-0.6%
88.9%	7,964	7,899	-64	-0.8%
90.1%	7,932	7,783	-149	-1.9%
91.4%	7,756	7,725	-31	-0.4%
92.6%	7,659	7,618	-40	-0.5%
93.8%	7,406	7,454	48	0.6%
95.1%	6,850	7,359	509	7.4%
96.3%	6,593	7,349	756	11.5%
97.5%	6,592	7,230	638	9.7%
98.8%	6,536	7,078	542	8.3%
100.0%	6,342	7,070	727	11.5%

Table SW-20-3b

Lake Oroville, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,303	32	0.2%
1.2%	14,207	14,271	64	0.4%
2.5%	14,201	14,207	6	0.0%
3.7%	14,041	14,201	160	1.1%
4.9%	14,001	14,059	58	0.4%
6.2%	13,997	14,041	44	0.3%
7.4%	13,967	14,001	33	0.2%
8.6%	13,884	13,967	83	0.6%
9.9%	13,851	13,884	33	0.2%
11.1%	13,847	13,851	3	0.0%
12.3%	13,790	13,847	57	0.4%
13.6%	13,761	13,833	72	0.5%
14.8%	13,660	13,794	134	1.0%
16.0%	13,644	13,761	117	0.9%
17.3%	13,624	13,736	112	0.8%
18.5%	13,531	13,687	157	1.2%
19.8%	13,495	13,644	149	1.1%
21.0%	13,474	13,624	150	1.1%
22.2%	13,451	13,531	80	0.6%
23.5%	13,411	13,476	65	0.5%
24.7%	13,387	13,474	87	0.6%
25.9%	13,364	13,451	87	0.6%
27.2%	13,335	13,387	53	0.4%
28.4%	13,304	13,364	60	0.5%
29.6%	13,304	13,343	39	0.3%
30.9%	13,304	13,312	8	0.1%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,304	3	0.0%
45.7%	13,214	13,304	90	0.7%
46.9%	13,185	13,304	119	0.9%
48.1%	13,157	13,304	147	1.1%
49.4%	13,140	13,301	161	1.2%
50.6%	12,678	13,004	326	2.6%
51.9%	12,632	12,803	171	1.4%
53.1%	12,517	12,744	227	1.8%
54.3%	12,317	12,671	353	2.9%
55.6%	12,266	12,532	265	2.2%
56.8%	12,195	12,249	54	0.4%
58.0%	12,011	12,152	140	1.2%
59.3%	12,011	12,115	105	0.9%
60.5%	11,831	12,095	263	2.2%
61.7%	11,831	12,075	244	2.1%
63.0%	11,414	11,939	525	4.6%
64.2%	11,115	11,158	44	0.4%
65.4%	11,026	11,097	71	0.6%
66.7%	10,900	11,091	190	1.7%
67.9%	10,856	11,082	226	2.1%
69.1%	10,692	10,998	306	2.9%
70.4%	10,577	10,981	404	3.8%
71.6%	10,505	10,852	348	3.3%
72.8%	10,411	10,795	383	3.7%
74.1%	10,266	10,455	189	1.8%
75.3%	10,220	10,371	151	1.5%
76.5%	10,143	10,361	218	2.1%
77.8%	10,034	10,191	157	1.6%
79.0%	9,930	10,039	108	1.1%
80.2%	9,898	10,027	129	1.3%
81.5%	9,855	9,971	116	1.2%
82.7%	9,820	9,924	105	1.1%
84.0%	9,770	9,917	147	1.5%
85.2%	9,720	9,845	125	1.3%
86.4%	9,406	9,661	255	2.7%
87.7%	9,206	9,419	213	2.3%
88.9%	8,879	8,948	69	0.8%
90.1%	8,548	8,635	87	1.0%
91.4%	8,243	8,444	201	2.4%
92.6%	7,855	8,258	402	5.1%
93.8%	7,612	8,211	599	7.9%
95.1%	7,395	7,873	477	6.5%
96.3%	7,351	7,724	373	5.1%
97.5%	7,342	7,464	122	1.7%
98.8%	7,214	7,390	176	2.4%
100.0%	6,412	7,294	882	13.8%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,551	14,554	3	0.0%
3.7%	14,454	14,551	97	0.7%
4.9%	14,421	14,454	33	0.2%
6.2%	14,411	14,421	10	0.1%
7.4%	14,361	14,411	50	0.3%
8.6%	14,331	14,361	30	0.2%
9.9%	14,221	14,331	110	0.8%
11.1%	14,207	14,221	13	0.1%
12.3%	14,204	14,207	3	0.0%
13.6%	14,191	14,204	13	0.1%
14.8%	14,131	14,191	60	0.4%
16.0%	14,104	14,131	27	0.2%
17.3%	14,101	14,104	3	0.0%
18.5%	14,091	14,101	10	0.1%
19.8%	14,071	14,091	20	0.1%
21.0%	14,007	14,071	63	0.5%
22.2%	13,994	14,014	20	0.1%
23.5%	13,977	14,007	30	0.2%
24.7%	13,971	13,994	23	0.2%
25.9%	13,937	13,977	41	0.3%
27.2%	13,891	13,971	80	0.6%
28.4%	13,891	13,891	0	0.0%
29.6%	13,857	13,891	33	0.2%
30.9%	13,847	13,857	10	0.1%
32.1%	13,824	13,847	23	0.2%
33.3%	13,821	13,824	3	0.0%
34.6%	13,801	13,821	20	0.1%
35.8%	13,797	13,801	3	0.0%
37.0%	13,767	13,797	30	0.2%
38.3%	13,751	13,767	17	0.1%
39.5%	13,737	13,751	13	0.1%
40.7%	13,707	13,737	30	0.2%
42.0%	13,544	13,561	17	0.1%
43.2%	13,501	13,524	23	0.2%
44.4%	13,454	13,501	47	0.3%
45.7%	13,401	13,454	53	0.4%
46.9%	13,401	13,446	45	0.3%
48.1%	13,390	13,401	10	0.1%
49.4%	13,359	13,401	42	0.3%
50.6%	13,334	13,355	21	0.2%
51.9%	13,304	13,334	30	0.2%
53.1%	13,304	13,304	0	0.0%
54.3%	13,304	13,304	0	0.0%
55.6%	13,304	13,304	0	0.0%
56.8%	13,304	13,304	0	0.0%
58.0%	13,304	13,304	0	0.0%
59.3%	13,304	13,304	0	0.0%
60.5%	13,207	13,304	97	0.7%
61.7%	13,137	13,280	143	1.1%
63.0%	12,975	13,186	211	1.6%
64.2%	12,943	13,111	167	1.3%
65.4%	12,421	12,861	441	3.5%
66.7%	12,281	12,761	480	3.9%
67.9%	12,102	12,521	419	3.5%
69.1%	11,937	12,153	216	1.8%
70.4%	11,786	12,152	366	3.1%
71.6%	11,760	11,986	226	1.9%
72.8%	11,552	11,913	361	3.1%
74.1%	11,428	11,778	350	3.1%
75.3%	11,414	11,649	235	2.1%
76.5%	11,207	11,595	388	3.5%
77.8%	11,182	11,484	302	2.7%
79.0%	11,073	11,368	295	2.7%
80.2%	11,011	11,310	299	2.7%
81.5%	11,001	10,892	-109	-1.0%
82.7%	10,925	10,821	-103	-0.9%
84.0%	10,734	10,730	-4	0.0%
85.2%	10,554	10,685	131	1.2%
86.4%	10,392	10,574	182	1.8%
87.7%	10,038	10,391	354	3.5%
88.9%	9,978	10,164	186	1.9%
90.1%	9,657	9,601	-56	-0.6%
91.4%	8,817	9,306	490	5.6%
92.6%	8,522	9,248	725	8.5%
93.8%	8,491	8,893	402	4.7%
95.1%	8,441	8,831	390	4.6%
96.3%	8,347	8,827	481	5.8%
97.5%	8,023	8,639	616	7.7%
98.8%	7,718	7,479	-239	-3.1%
100.0%	7,393	7,444	50	0.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,530	15,530	0	0.0%
2.5%	15,517	15,517	0	0.0%
3.7%	15,497	15,497	0	0.0%
4.9%	15,454	15,454	0	0.0%
6.2%	15,434	15,434	0	0.0%
7.4%	15,330	15,330	0	0.0%
8.6%	15,306	15,305	-1	0.0%
9.9%	15,218	15,218	0	0.0%
11.1%	15,218	15,217	0	0.0%
12.3%	15,199	15,199	0	0.0%
13.6%	15,192	15,192	0	0.0%
14.8%	15,190	15,190	0	0.0%
16.0%	15,184	15,184	0	0.0%
17.3%	15,177	15,177	0	0.0%
18.5%	15,124	15,124	0	0.0%
19.8%	15,090	15,090	0	0.0%
21.0%	15,028	15,028	0	0.0%
22.2%	15,020	15,020	0	0.0%
23.5%	15,004	15,004	0	0.0%
24.7%	14,996	14,996	0	0.0%
25.9%	14,990	14,990	0	0.0%
27.2%	14,984	14,984	0	0.0%
28.4%	14,984	14,984	0	0.0%
29.6%	14,957	14,957	0	0.0%
30.9%	14,947	14,947	0	0.0%
32.1%	14,935	14,935	0	0.0%
33.3%	14,934	14,934	0	0.0%
34.6%	14,814	14,814	0	0.0%
35.8%	14,804	14,804	0	0.0%
37.0%	14,797	14,797	0	0.0%
38.3%	14,794	14,794	0	0.0%
39.5%	14,790	14,790	0	0.0%
40.7%	14,737	14,767	30	0.2%
42.0%	14,704	14,737	33	0.2%
43.2%	14,704	14,704	0	0.0%
44.4%	14,688	14,704	16	0.1%
45.7%	14,643	14,696	53	0.4%
46.9%	14,615	14,688	74	0.5%
48.1%	14,611	14,643	32	0.2%
49.4%	14,566	14,614	48	0.3%
50.6%	14,486	14,611	125	0.9%
51.9%	14,474	14,585	111	0.8%
53.1%	14,458	14,566	108	0.7%
54.3%	14,415	14,559	144	1.0%
55.6%	14,334	14,552	218	1.5%
56.8%	14,297	14,486	189	1.3%
58.0%	14,230	14,474	244	1.7%
59.3%	14,227	14,361	134	0.9%
60.5%	14,113	14,299	185	1.3%
61.7%	13,878	14,287	409	2.9%
63.0%	13,812	14,149	336	2.4%
64.2%	13,682	13,717	35	0.3%
65.4%	13,561	13,706	145	1.1%
66.7%	13,441	13,635	194	1.4%
67.9%	12,941	13,609	668	5.2%
69.1%	12,933	13,047	114	0.9%
70.4%	12,912	12,968	56	0.4%
71.6%	12,763	12,866	103	0.8%
72.8%	12,751	12,843	91	0.7%
74.1%	12,455	12,813	358	2.9%
75.3%	12,205	12,745	540	4.4%
76.5%	12,092	12,666	574	4.7%
77.8%	12,023	12,586	562	4.7%
79.0%	12,007	12,124	116	1.0%
80.2%	11,992	11,863	-128	-1.1%
81.5%	11,614	11,850	236	2.0%
82.7%	11,555	11,799	244	2.1%
84.0%	11,500	11,796	295	2.6%
85.2%	11,478	11,349	-128	-1.1%
86.4%	10,818	11,179	360	3.3%
87.7%	10,804	11,069	265	2.5%
88.9%	10,294	10,363	68	0.7%
90.1%	10,171	10,316	145	1.4%
91.4%	9,611	10,125	514	5.3%
92.6%	9,401	10,119	717	7.6%
93.8%	9,026	9,533	507	5.6%
95.1%	8,736	9,390	654	7.5%
96.3%	8,686	8,973	287	3.3%
97.5%	8,156	8,745	589	7.2%
98.8%	8,011	7,774	-237	-3.0%
100.0%	6,932	7,011	79	1.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,804	0	0.0%
27.2%	15,804	15,804	0	0.0%
28.4%	15,804	15,804	0	0.0%
29.6%	15,804	15,804	0	0.0%
30.9%	15,804	15,804	0	0.0%
32.1%	15,804	15,804	0	0.0%
33.3%	15,804	15,804	0	0.0%
34.6%	15,798	15,798	0	0.0%
35.8%	15,782	15,782	1	0.0%
37.0%	15,767	15,767	0	0.0%
38.3%	15,699	15,717	19	0.1%
39.5%	15,657	15,699	42	0.3%
40.7%	15,616	15,697	81	0.5%
42.0%	15,544	15,657	113	0.7%
43.2%	15,389	15,616	227	1.5%
44.4%	15,362	15,543	181	1.2%
45.7%	15,249	15,389	140	0.9%
46.9%	15,220	15,361	141	0.9%
48.1%	15,164	15,221	57	0.4%
49.4%	14,998	15,163	165	1.1%
50.6%	14,899	15,011	112	0.8%
51.9%	14,794	14,997	203	1.4%
53.1%	14,786	14,899	113	0.8%
54.3%	14,700	14,861	161	1.1%
55.6%	14,693	14,786	93	0.6%
56.8%	14,643	14,695	52	0.4%
58.0%	14,598	14,648	49	0.3%
59.3%	14,454	14,597	144	1.0%
60.5%	14,379	14,298	-80	-0.6%
61.7%	13,910	14,260	350	2.5%
63.0%	13,821	14,202	381	2.8%
64.2%	13,799	13,984	185	1.3%
65.4%	13,647	13,978	332	2.4%
66.7%	13,624	13,917	293	2.1%
67.9%	13,569	13,859	291	2.1%
69.1%	13,537	13,841	305	2.3%
70.4%	13,458	13,683	225	1.7%
71.6%	13,408	13,598	191	1.4%
72.8%	13,302	13,570	268	2.0%
74.1%	13,115	13,442	327	2.5%
75.3%	12,928	13,308	380	2.9%
76.5%	12,672	13,218	546	4.3%
77.8%	12,625	12,606	-19	-0.1%
79.0%	12,345	12,561	216	1.7%
80.2%	12,223	12,461	238	1.9%
81.5%	12,117	12,279	161	1.3%
82.7%	11,904	11,868	-37	-0.3%
84.0%	11,830	11,681	-149	-1.3%
85.2%	10,924	11,614	690	6.3%
86.4%	10,669	11,579	910	8.5%
87.7%	10,526	11,397	871	8.3%
88.9%	10,414	10,829	415	4.0%
90.1%	10,372	10,321	-51	-0.5%
91.4%	10,134	10,027	-107	-1.1%
92.6%	9,467	9,974	507	5.4%
93.8%	9,238	9,747	510	5.5%
95.1%	8,738	9,494	757	8.7%
96.3%	8,488	8,578	90	1.1%
97.5%	8,256	8,502	246	3.0%
98.8%	7,798	7,855	57	0.7%
100.0%	6,689	6,769	80	1.2%

Table SW-20-3b

Lake Oroville, End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,801	-3	0.0%
13.6%	15,804	15,800	-4	0.0%
14.8%	15,804	15,799	-5	0.0%
16.0%	15,804	15,794	-10	-0.1%
17.3%	15,804	15,788	-16	-0.1%
18.5%	15,804	15,744	-60	-0.4%
19.8%	15,804	15,721	-83	-0.5%
21.0%	15,804	15,711	-93	-0.6%
22.2%	15,804	15,711	-93	-0.6%
23.5%	15,804	15,706	-98	-0.6%
24.7%	15,804	15,706	-98	-0.6%
25.9%	15,804	15,705	-98	-0.6%
27.2%	15,804	15,705	-99	-0.6%
28.4%	15,804	15,704	-100	-0.6%
29.6%	15,804	15,667	-137	-0.9%
30.9%	15,804	15,659	-144	-0.9%
32.1%	15,660	15,594	-65	-0.4%
33.3%	15,629	15,429	-199	-1.3%
34.6%	15,568	15,340	-228	-1.5%
35.8%	15,425	15,337	-88	-0.6%
37.0%	15,417	15,281	-136	-0.9%
38.3%	15,175	15,272	97	0.6%
39.5%	15,028	15,231	203	1.4%
40.7%	14,942	15,036	94	0.6%
42.0%	14,877	15,004	127	0.9%
43.2%	14,871	14,803	-69	-0.5%
44.4%	14,716	14,738	22	0.2%
45.7%	14,709	14,663	-47	-0.3%
46.9%	14,654	14,630	-24	-0.2%
48.1%	14,566	14,577	11	0.1%
49.4%	14,374	14,563	189	1.3%
50.6%	14,353	14,467	114	0.8%
51.9%	14,348	14,445	97	0.7%
53.1%	14,285	14,371	86	0.6%
54.3%	14,190	14,338	148	1.0%
55.6%	14,112	14,282	170	1.2%
56.8%	13,982	14,105	124	0.9%
58.0%	13,840	14,020	180	1.3%
59.3%	13,758	13,880	122	0.9%
60.5%	13,632	13,758	126	0.9%
61.7%	13,621	13,658	37	0.3%
63.0%	13,580	13,653	73	0.5%
64.2%	13,501	13,505	3	0.0%
65.4%	13,432	13,331	-101	-0.8%
66.7%	13,021	13,171	150	1.2%
67.9%	12,966	13,158	192	1.5%
69.1%	12,947	13,009	62	0.5%
70.4%	12,795	12,989	194	1.5%
71.6%	12,661	12,931	271	2.1%
72.8%	12,604	12,897	292	2.3%
74.1%	12,489	12,834	344	2.8%
75.3%	12,268	12,734	467	3.8%
76.5%	11,888	12,621	733	6.2%
77.8%	11,714	11,944	230	2.0%
79.0%	11,654	11,891	237	2.0%
80.2%	11,634	11,883	249	2.1%
81.5%	11,549	11,677	128	1.1%
82.7%	11,101	11,510	409	3.7%
84.0%	11,065	11,424	360	3.2%
85.2%	10,606	11,336	730	6.9%
86.4%	9,924	10,746	822	8.3%
87.7%	9,723	10,480	757	7.8%
88.9%	9,701	9,756	55	0.6%
90.1%	9,466	9,720	254	2.7%
91.4%	9,309	9,542	233	2.5%
92.6%	8,802	9,435	632	7.2%
93.8%	8,526	8,880	353	4.1%
95.1%	8,110	8,720	610	7.5%
96.3%	7,840	7,834	-6	-0.1%
97.5%	7,201	7,610	409	5.7%
98.8%	6,982	7,455	473	6.8%
100.0%	5,696	5,762	66	1.2%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,799	-5	0.0%
3.7%	15,804	15,594	-210	-1.3%
4.9%	15,804	15,555	-248	-1.6%
6.2%	15,502	15,402	-100	-0.6%
7.4%	15,294	15,262	-32	-0.2%
8.6%	15,257	15,166	-91	-0.6%
9.9%	15,091	14,804	-287	-1.9%
11.1%	14,744	14,754	10	0.1%
12.3%	14,668	14,624	-44	-0.3%
13.6%	14,578	14,518	-60	-0.4%
14.8%	14,445	14,478	33	0.2%
16.0%	14,394	14,363	-31	-0.2%
17.3%	14,326	14,295	-31	-0.2%
18.5%	14,209	14,258	49	0.3%
19.8%	14,114	14,042	-72	-0.5%
21.0%	14,099	14,007	-92	-0.7%
22.2%	14,082	13,990	-92	-0.7%
23.5%	14,041	13,947	-95	-0.7%
24.7%	14,006	13,930	-75	-0.5%
25.9%	13,986	13,910	-76	-0.5%
27.2%	13,932	13,894	-38	-0.3%
28.4%	13,922	13,841	-81	-0.6%
29.6%	13,863	13,724	-139	-1.0%
30.9%	13,824	13,723	-101	-0.7%
32.1%	13,670	13,670	-1	0.0%
33.3%	13,654	13,597	-57	-0.4%
34.6%	13,541	13,383	-158	-1.2%
35.8%	13,425	13,346	-79	-0.6%
37.0%	13,379	13,315	-64	-0.5%
38.3%	13,184	13,294	111	0.8%
39.5%	12,943	13,294	351	2.7%
40.7%	12,887	13,141	253	2.0%
42.0%	12,829	12,945	116	0.9%
43.2%	12,823	12,918	95	0.7%
44.4%	12,799	12,760	-38	-0.3%
45.7%	12,794	12,748	-46	-0.4%
46.9%	12,751	12,704	-48	-0.4%
48.1%	12,522	12,702	180	1.4%
49.4%	12,474	12,617	144	1.2%
50.6%	12,461	12,488	27	0.2%
51.9%	12,422	12,412	-10	-0.1%
53.1%	12,225	12,342	117	1.0%
54.3%	12,202	12,297	94	0.8%
55.6%	12,051	12,200	149	1.2%
56.8%	11,986	12,189	203	1.7%
58.0%	11,706	11,894	188	1.6%
59.3%	11,683	11,818	135	1.2%
60.5%	11,659	11,774	115	1.0%
61.7%	11,648	11,576	-72	-0.6%
63.0%	11,562	11,573	11	0.1%
64.2%	11,432	11,518	85	0.7%
65.4%	11,251	11,189	-62	-0.5%
66.7%	10,821	11,145	325	3.0%
67.9%	10,813	10,946	133	1.2%
69.1%	10,812	10,894	82	0.8%
70.4%	10,788	10,864	75	0.7%
71.6%	10,760	10,843	83	0.8%
72.8%	10,673	10,789	116	1.1%
74.1%	10,387	10,641	253	2.4%
75.3%	10,097	10,595	498	4.9%
76.5%	9,708	10,562	853	8.8%
77.8%	9,689	10,084	395	4.1%
79.0%	9,478	9,935	456	4.8%
80.2%	9,364	9,849	485	5.2%
81.5%	9,335	9,821	486	5.2%
82.7%	8,937	9,541	604	6.8%
84.0%	8,826	9,471	645	7.3%
85.2%	8,822	9,111	289	3.3%
86.4%	7,791	8,653	862	11.1%
87.7%	7,388	8,132	744	10.1%
88.9%	7,378	7,653	276	3.7%
90.1%	7,249	7,597	348	4.8%
91.4%	7,190	7,486	296	4.1%
92.6%	6,563	7,321	758	11.6%
93.8%	6,438	7,038	600	9.3%
95.1%	6,401	6,901	500	7.8%
96.3%	6,391	6,684	294	4.6%
97.5%	6,376	6,233	-143	-2.2%
98.8%	6,049	5,736	-314	-5.2%
100.0%	5,406	5,472	66	1.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,530	-274	-1.7%
1.2%	15,804	15,505	-299	-1.9%
2.5%	15,763	15,368	-395	-2.5%
3.7%	15,632	15,307	-325	-2.1%
4.9%	15,574	15,030	-544	-3.5%
6.2%	15,086	14,897	-189	-1.3%
7.4%	15,059	14,885	-174	-1.2%
8.6%	14,956	14,746	-211	-1.4%
9.9%	14,715	14,470	-245	-1.7%
11.1%	14,692	14,446	-245	-1.7%
12.3%	14,024	14,071	46	0.3%
13.6%	13,981	13,988	6	0.0%
14.8%	13,970	13,938	-32	-0.2%
16.0%	13,784	13,767	-16	-0.1%
17.3%	13,717	13,559	-158	-1.2%
18.5%	13,467	13,552	85	0.6%
19.8%	13,381	13,499	118	0.9%
21.0%	13,322	13,439	117	0.9%
22.2%	13,056	13,315	259	2.0%
23.5%	13,046	13,264	218	1.7%
24.7%	12,927	13,232	304	2.4%
25.9%	12,752	13,092	340	2.7%
27.2%	12,734	13,020	286	2.2%
28.4%	12,515	12,913	398	3.2%
29.6%	12,515	12,638	123	1.0%
30.9%	12,472	12,573	101	0.8%
32.1%	12,398	12,529	131	1.1%
33.3%	12,316	12,523	207	1.7%
34.6%	12,141	12,449	308	2.5%
35.8%	12,058	12,318	260	2.2%
37.0%	11,873	12,149	276	2.3%
38.3%	11,811	11,853	42	0.4%
39.5%	11,579	11,809	230	2.0%
40.7%	11,563	11,710	146	1.3%
42.0%	11,530	11,700	169	1.5%
43.2%	11,462	11,673	211	1.8%
44.4%	11,460	11,668	208	1.8%
45.7%	11,380	11,573	193	1.7%
46.9%	11,352	11,332	-20	-0.2%
48.1%	11,252	11,325	73	0.6%
49.4%	11,177	11,288	111	1.0%
50.6%	10,974	11,257	283	2.6%
51.9%	10,825	11,193	368	3.4%
53.1%	10,792	11,136	343	3.2%
54.3%	10,648	10,807	158	1.5%
55.6%	10,620	10,753	133	1.2%
56.8%	10,493	10,633	140	1.3%
58.0%	10,343	10,356	13	0.1%
59.3%	10,083	10,044	-39	-0.4%
60.5%	10,032	9,963	-70	-0.7%
61.7%	9,986	9,910	-76	-0.8%
63.0%	9,887	9,901	13	0.1%
64.2%	9,691	9,628	-62	-0.6%
65.4%	9,570	9,554	-16	-0.2%
66.7%	9,519	9,417	-102	-1.1%
67.9%	9,325	9,232	-93	-1.0%
69.1%	9,250	9,218	-32	-0.3%
70.4%	9,107	9,104	-4	0.0%
71.6%	9,039	9,020	-19	-0.2%
72.8%	8,649	8,956	308	3.6%
74.1%	8,491	8,850	359	4.2%
75.3%	8,436	8,794	357	4.2%
76.5%	8,267	8,711	444	5.4%
77.8%	7,999	8,644	645	8.1%
79.0%	7,745	8,396	651	8.4%
80.2%	7,745	7,872	127	1.6%
81.5%	7,515	7,812	297	4.0%
82.7%	7,169	7,764	596	8.3%
84.0%	7,057	7,455	397	5.6%
85.2%	6,958	7,286	328	4.7%
86.4%	6,904	7,199	295	4.3%
87.7%	6,891	7,142	252	3.7%
88.9%	6,838	7,048	210	3.1%
90.1%	6,603	6,786	183	2.8%
91.4%	6,287	6,627	340	5.4%
92.6%	6,255	6,326	72	1.1%
93.8%	6,064	6,277	212	3.5%
95.1%	5,937	6,259	323	5.4%
96.3%	5,934	5,964	30	0.5%
97.5%	5,873	5,837	-36	-0.6%
98.8%	5,750	5,696	-55	-0.9%
100.0%	5,404	5,469	66	1.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,180	15,180	0	0.0%
1.2%	15,180	15,180	0	0.0%
2.5%	14,799	14,669	-131	-0.9%
3.7%	14,399	13,730	-669	-4.6%
4.9%	14,214	13,688	-527	-3.7%
6.2%	14,057	13,538	-519	-3.7%
7.4%	13,744	13,104	-639	-4.7%
8.6%	13,521	13,096	-425	-3.1%
9.9%	13,297	12,709	-588	-4.4%
11.1%	12,976	12,706	-270	-2.1%
12.3%	12,805	12,549	-256	-2.0%
13.6%	12,245	12,417	172	1.4%
14.8%	12,115	12,377	262	2.2%
16.0%	12,114	12,257	143	1.2%
17.3%	12,111	12,213	102	0.8%
18.5%	11,992	11,931	-61	-0.5%
19.8%	11,798	11,922	124	1.0%
21.0%	11,720	11,799	79	0.7%
22.2%	11,554	11,759	205	1.8%
23.5%	11,490	11,758	268	2.3%
24.7%	11,451	11,738	288	2.5%
25.9%	11,233	11,679	446	4.0%
27.2%	11,198	11,492	294	2.6%
28.4%	11,163	11,398	235	2.1%
29.6%	11,158	11,353	195	1.7%
30.9%	11,102	11,105	3	0.0%
32.1%	10,942	10,982	40	0.4%
33.3%	10,873	10,940	66	0.6%
34.6%	10,806	10,924	119	1.1%
35.8%	10,645	10,912	267	2.5%
37.0%	10,472	10,679	207	2.0%
38.3%	10,470	10,665	196	1.9%
39.5%	10,429	10,614	185	1.8%
40.7%	10,366	10,601	236	2.3%
42.0%	10,303	10,492	188	1.8%
43.2%	10,285	10,486	202	2.0%
44.4%	10,134	10,325	191	1.9%
45.7%	10,131	10,281	149	1.5%
46.9%	10,032	10,166	134	1.3%
48.1%	9,926	10,141	215	2.2%
49.4%	9,913	10,123	210	2.1%
50.6%	9,867	10,027	161	1.6%
51.9%	9,803	9,890	87	0.9%
53.1%	9,778	9,834	56	0.6%
54.3%	9,699	9,710	11	0.1%
55.6%	9,617	9,679	62	0.6%
56.8%	9,472	9,490	18	0.2%
58.0%	9,377	9,263	-114	-1.2%
59.3%	9,186	9,240	54	0.6%
60.5%	9,044	9,240	196	2.2%
61.7%	9,021	8,896	-125	-1.4%
63.0%	8,992	8,862	-130	-1.4%
64.2%	8,847	8,737	-110	-1.2%
65.4%	8,830	8,724	-106	-1.2%
66.7%	8,816	8,621	-195	-2.2%
67.9%	8,705	8,527	-178	-2.1%
69.1%	8,703	8,418	-285	-3.3%
70.4%	8,370	8,280	-90	-1.1%
71.6%	8,130	8,193	64	0.8%
72.8%	8,028	8,156	128	1.6%
74.1%	8,001	8,091	91	1.1%
75.3%	7,865	7,874	9	0.1%
76.5%	7,598	7,848	249	3.3%
77.8%	7,441	7,765	324	4.4%
79.0%	7,283	7,519	235	3.2%
80.2%	7,192	7,360	167	2.3%
81.5%	7,084	7,330	247	3.5%
82.7%	7,051	7,102	51	0.7%
84.0%	6,921	7,068	146	2.1%
85.2%	6,812	7,062	250	3.7%
86.4%	6,671	6,945	273	4.1%
87.7%	6,619	6,780	161	2.4%
88.9%	6,577	6,758	182	2.8%
90.1%	6,281	6,562	281	4.5%
91.4%	6,157	6,484	327	5.3%
92.6%	6,152	6,275	123	2.0%
93.8%	5,937	6,031	94	1.6%
95.1%	5,860	5,818	-43	-0.7%
96.3%	5,621	5,714	93	1.6%
97.5%	5,443	5,686	243	4.5%
98.8%	5,289	5,554	265	5.0%
100.0%	5,129	5,509	380	7.4%

Table SW-21-3a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative A	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

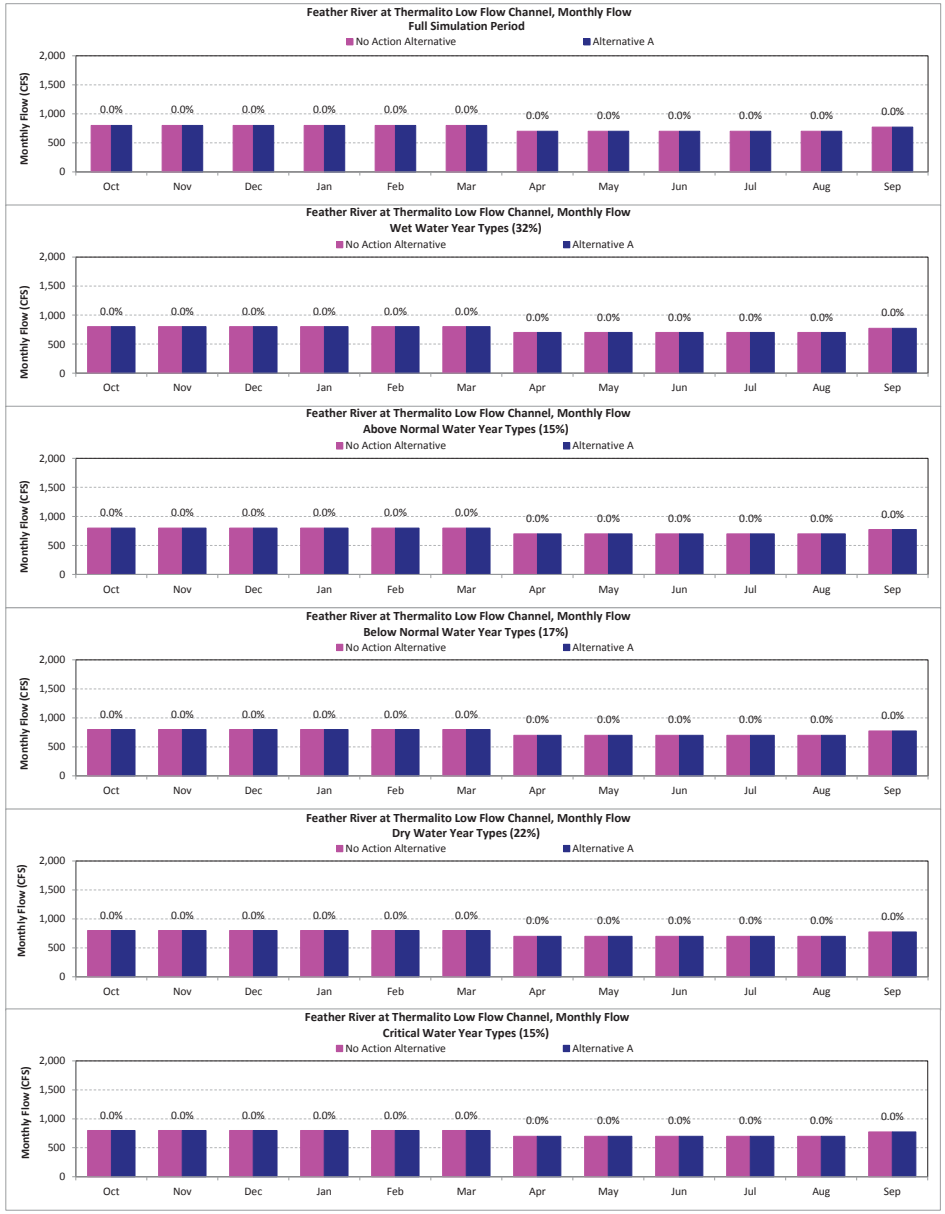

Figure SW-21-3b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

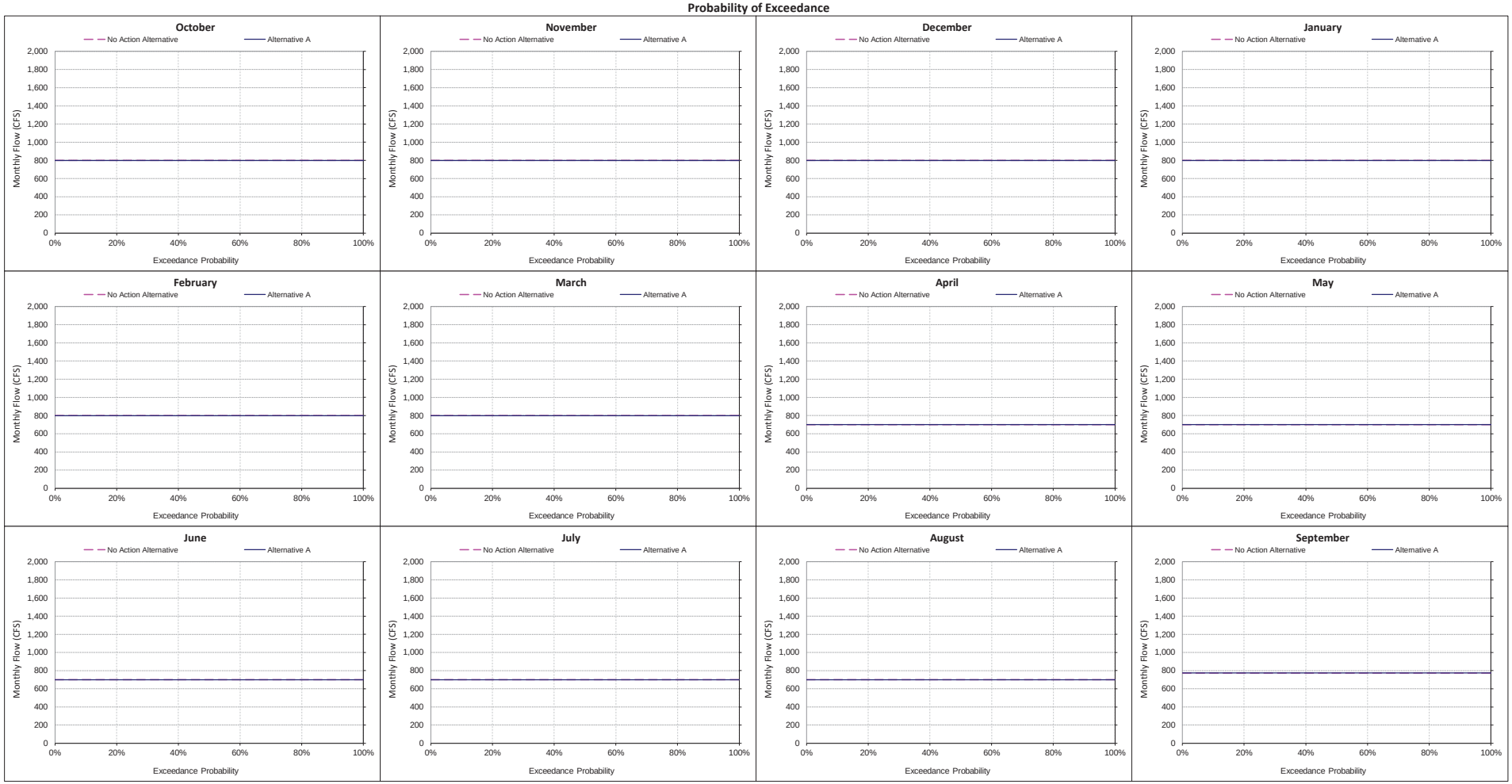

Table SW-21-3b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-21-3b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-3b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Table SW-22-3a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,815	2,230	3,453	4,661	5,498	5,941	3,079	3,640	3,783	7,723	4,992	4,831
Alternative A	2,571	2,200	3,210	4,681	5,543	6,072	3,039	3,572	3,913	7,753	5,008	5,063
Difference	-243	-30	-243	19	45	131	-40	-68	130	30	16	232
Percent Difference[3]	-8.6%	-1.3%	-7.0%	0.4%	0.8%	2.2%	-1.3%	-1.9%	3.4%	0.4%	0.3%	4.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,835	3,384	5,285	10,620	11,516	12,387	6,511	7,539	5,149	6,745	3,920	8,437
Alternative A	3,575	3,301	4,920	10,725	11,489	12,440	6,516	7,542	5,360	6,781	3,809	8,633
Difference	-260	-83	-365	106	-27	53	5	3	211	36	-111	196
Percent Difference	-6.8%	-2.5%	-6.9%	1.0%	-0.2%	0.4%	0.1%	0.0%	4.1%	0.5%	-2.8%	2.3%
Above Normal (15%)												
No Action Alternative	3,592	2,323	3,389	3,461	5,426	7,028	2,257	3,232	3,397	9,119	6,405	7,040
Alternative A	3,399	2,339	2,760	3,552	5,405	7,494	2,257	3,329	3,737	9,190	5,948	7,332
Difference	-193	16	-629	92	-21	466	0	96	340	72	-457	292
Percent Difference	-5.4%	0.7%	-18.6%	2.6%	-0.4%	6.6%	0.0%	3.0%	10.0%	0.8%	-7.1%	4.1%
Below Normal (17%)												
No Action Alternative	2,533	1,893	2,615	1,711	2,799	2,337	1,119	1,159	2,849	9,062	6,441	2,656
Alternative A	2,235	1,877	2,966	1,462	3,252	2,702	1,119	1,140	3,307	9,003	6,115	2,876
Difference	-299	-16	351	-249	453	365	0	-19	458	-59	-326	220
Percent Difference	-11.8%	-0.8%	13.4%	-14.6%	16.2%	15.6%	0.0%	-1.6%	16.1%	-0.6%	-5.1%	8.3%
Dry (22%)												
No Action Alternative	2,031	1,516	2,732	1,453	1,635	1,685	1,329	1,605	3,442	8,256	6,071	2,002
Alternative A	1,707	1,526	2,286	1,394	1,586	1,543	1,271	1,333	3,189	8,262	6,700	2,296
Difference	-324	10	-446	-59	-49	-142	-58	-273	-253	6	629	294
Percent Difference	-16.0%	0.7%	-16.3%	-4.1%	-3.0%	-8.4%	-4.3%	-17.0%	-7.4%	0.1%	10.4%	14.7%
Critical (15%)												
No Action Alternative	1,330	1,101	1,607	1,206	1,476	1,480	1,375	1,545	2,807	6,084	2,595	1,592
Alternative A	1,259	1,063	1,627	1,398	1,408	1,580	1,176	1,410	2,747	6,198	2,840	1,761
Difference	-70	-38	20	192	-68	100	-200	-135	-60	114	245	169
Percent Difference	-5.3%	-3.5%	1.2%	15.9%	-4.6%	6.8%	-14.5%	-8.8%	-2.1%	1.9%	9.4%	10.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-22-3b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

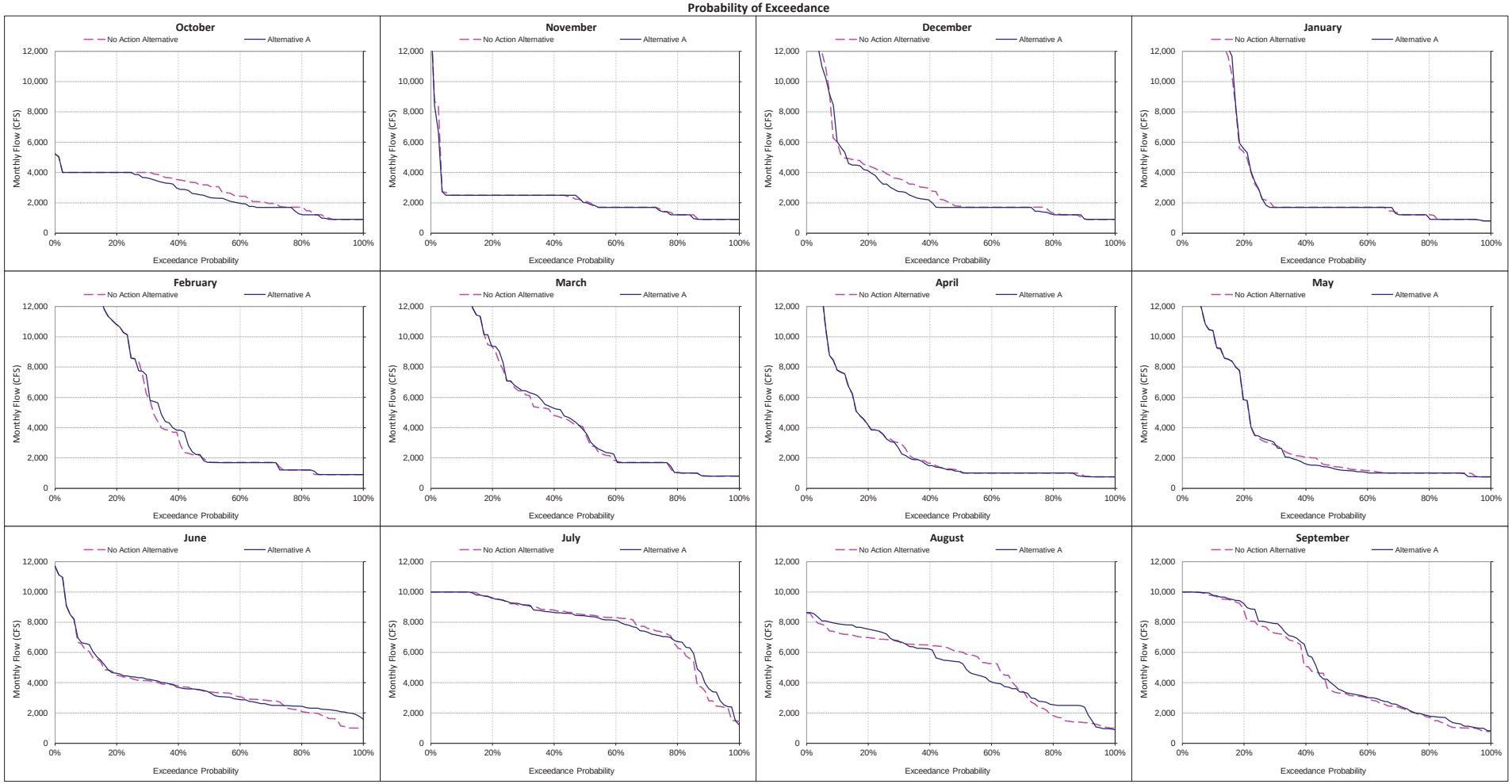

Table SW-22-3b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,232	5,225	-7	-0.1%
1.2%	5,039	5,039	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	3,862	-138	-3.4%
27.2%	4,000	3,853	-147	-3.7%
28.4%	4,000	3,671	-329	-8.2%
29.6%	4,000	3,646	-354	-8.9%
30.9%	4,000	3,610	-390	-9.7%
32.1%	3,896	3,504	-392	-10.1%
33.3%	3,872	3,442	-430	-11.1%
34.6%	3,789	3,372	-417	-11.0%
35.8%	3,662	3,296	-366	-10.0%
37.0%	3,659	3,289	-371	-10.1%
38.3%	3,618	3,232	-386	-10.7%
39.5%	3,529	2,966	-563	-15.9%
40.7%	3,502	2,889	-613	-17.5%
42.0%	3,448	2,878	-569	-16.5%
43.2%	3,384	2,817	-567	-16.8%
44.4%	3,345	2,616	-729	-21.8%
45.7%	3,340	2,578	-762	-22.8%
46.9%	3,183	2,530	-653	-20.5%
48.1%	3,181	2,498	-682	-21.5%
49.4%	3,175	2,396	-778	-24.5%
50.6%	3,072	2,324	-748	-24.4%
51.9%	3,064	2,309	-755	-24.6%
53.1%	3,063	2,304	-759	-24.8%
54.3%	2,682	2,290	-392	-14.6%
55.6%	2,661	2,201	-460	-17.3%
56.8%	2,629	2,091	-538	-20.5%
58.0%	2,487	2,052	-434	-17.5%
59.3%	2,444	1,987	-457	-18.7%
60.5%	2,432	1,952	-480	-19.7%
61.7%	2,425	1,924	-501	-20.7%
63.0%	2,226	1,755	-471	-21.2%
64.2%	2,081	1,752	-330	-15.8%
65.4%	2,078	1,700	-378	-18.2%
66.7%	2,054	1,700	-354	-17.3%
67.9%	2,052	1,700	-352	-17.1%
69.1%	1,965	1,700	-265	-13.5%
70.4%	1,952	1,700	-252	-12.9%
71.6%	1,949	1,700	-249	-12.8%
72.8%	1,750	1,700	-50	-2.9%
74.1%	1,728	1,700	-28	-1.6%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,464	-236	-13.9%
79.0%	1,700	1,276	-424	-24.9%
80.2%	1,700	1,200	-500	-29.4%
81.5%	1,475	1,200	-275	-18.6%
82.7%	1,456	1,200	-256	-17.6%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	983	-217	-18.0%
87.7%	1,021	977	-44	-4.3%
88.9%	994	900	-94	-9.5%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,550	14,550	0	0.0%
1.2%	8,691	8,422	-269	-3.1%
2.5%	8,427	6,717	-1,710	-20.3%
3.7%	2,730	2,726	-4	-0.1%
4.9%	2,674	2,500	-174	-6.5%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,431	2,500	69	2.8%
45.7%	2,381	2,500	119	5.0%
46.9%	2,246	2,500	254	11.3%
48.1%	2,236	2,278	42	1.9%
49.4%	2,151	2,036	-115	-5.3%
50.6%	2,085	1,986	-99	-4.7%
51.9%	1,977	1,883	-94	-4.8%
53.1%	1,700	1,833	133	7.8%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,611	1,490	-121	-7.5%
75.3%	1,424	1,411	-13	-0.9%
76.5%	1,418	1,395	-23	-1.6%
77.8%	1,361	1,200	-161	-11.8%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	955	-245	-20.4%
86.4%	957	900	-57	-6.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,329	24,329	0	0.0%
1.2%	15,421	15,267	-154	-1.0%
2.5%	14,106	12,566	-1,540	-10.9%
3.7%	12,871	12,329	-542	-4.2%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,239	-745	-6.8%
7.4%	9,375	9,166	-209	-2.2%
8.6%	6,278	8,447	2,170	34.6%
9.9%	6,026	6,024	-2	0.0%
11.1%	5,200	5,656	456	8.8%
12.3%	4,959	5,330	371	7.5%
13.6%	4,921	4,599	-322	-6.6%
14.8%	4,857	4,498	-359	-7.4%
16.0%	4,839	4,492	-347	-7.2%
17.3%	4,768	4,446	-321	-6.7%
18.5%	4,540	4,193	-346	-7.6%
19.8%	4,496	4,141	-355	-7.9%
21.0%	4,372	3,953	-419	-9.6%
22.2%	4,266	3,808	-458	-10.7%
23.5%	4,145	3,492	-653	-15.8%
24.7%	4,094	3,239	-855	-20.9%
25.9%	3,918	3,234	-685	-17.5%
27.2%	3,807	3,009	-798	-21.0%
28.4%	3,631	2,882	-749	-20.6%
29.6%	3,595	2,754	-841	-23.4%
30.9%	3,537	2,724	-812	-23.0%
32.1%	3,421	2,685	-736	-21.5%
33.3%	3,238	2,520	-717	-22.2%
34.6%	3,234	2,406	-828	-25.6%
35.8%	3,144	2,307	-836	-26.6%
37.0%	3,037	2,271	-767	-25.2%
38.3%	3,010	2,226	-783	-26.0%
39.5%	2,971	2,197	-775	-26.1%
40.7%	2,760	1,987	-774	-28.0%
42.0%	2,752	1,701	-1,050	-38.2%
43.2%	2,230	1,701	-529	-23.7%
44.4%	2,200	1,700	-500	-22.7%
45.7%	2,082	1,700	-382	-18.3%
46.9%	1,967	1,700	-267	-13.6%
48.1%	1,792	1,700	-92	-5.1%
49.4%	1,770	1,700	-70	-3.9%
50.6%	1,767	1,700	-67	-3.8%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,439	-261	-15.3%
75.3%	1,700	1,437	-263	-15.4%
76.5%	1,700	1,385	-315	-18.5%
77.8%	1,629	1,368	-262	-16.1%
79.0%	1,387	1,276	-111	-8.0%
80.2%	1,284	1,200	-84	-6.6%
81.5%	1,267	1,200	-67	-5.3%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,054	1,200	146	13.9%
90.1%	919	915	-3	-0.4%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,947	40,944	-3	0.0%
1.2%	35,873	35,870	-2	0.0%
2.5%	21,020	21,018	-2	0.0%
3.7%	20,580	20,580	-1	0.0%
4.9%	19,178	19,174	-4	0.0%
6.2%	19,034	17,530	-1,503	-7.9%
7.4%	15,060	15,740	680	4.5%
8.6%	14,373	14,370	-3	0.0%
9.9%	13,890	13,891	1	0.0%
11.1%	13,790	13,408	-382	-2.8%
12.3%	12,688	13,130	441	3.5%
13.6%	12,234	12,688	455	3.7%
14.8%	11,687	12,231	544	4.7%
16.0%	10,488	11,683	1,195	11.4%
17.3%	8,342	8,341	0	0.0%
18.5%	5,602	5,934	333	5.9%
19.8%	5,395	5,602	206	3.8%
21.0%	4,934	5,313	379	7.7%
22.2%	4,032	4,070	38	1.0%
23.5%	3,244	3,397	153	4.7%
24.7%	2,920	2,917	-3	-0.1%
25.9%	2,230	2,226	-4	-0.2%
27.2%	2,174	1,829	-345	-15.9%
28.4%	2,021	1,700	-321	-15.9%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,453	1,700	247	17.0%
67.9%	1,453	1,700	247	17.0%
69.1%	1,367	1,290	-77	-5.6%
70.4%	1,304	1,200	-104	-8.0%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	900	-300	-25.0%
81.5%	1,166	900	-266	-22.8%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	853	847	-5	-0.6%
97.5%	801	801	0	0.0%
98.8%	801	801	0	0.0%
100.0%	800	801	1	0.1%

Table SW-22-3b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,233	31	0.1%
2.5%	21,176	21,201	25	0.1%
3.7%	20,085	18,145	-1,939	-9.7%
4.9%	18,146	17,987	-159	-0.9%
6.2%	17,987	17,636	-351	-2.0%
7.4%	17,640	16,650	-989	-5.6%
8.6%	16,581	16,582	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,780	-108	-0.7%
12.3%	15,395	14,528	-867	-5.6%
13.6%	14,529	14,305	-224	-1.5%
14.8%	12,477	12,475	-2	0.0%
16.0%	11,789	11,786	-2	0.0%
17.3%	11,343	11,344	0	0.0%
18.5%	11,085	11,114	29	0.3%
19.8%	10,847	10,847	0	0.0%
21.0%	10,663	10,661	-2	0.0%
22.2%	10,291	10,288	-3	0.0%
23.5%	10,131	10,131	0	0.0%
24.7%	8,601	8,601	0	0.0%
25.9%	8,525	8,567	42	0.5%
27.2%	8,379	7,762	-617	-7.4%
28.4%	7,497	7,716	220	2.9%
29.6%	6,228	7,495	1,268	20.4%
30.9%	5,796	5,795	-1	0.0%
32.1%	4,869	5,731	862	17.7%
33.3%	4,403	5,641	1,238	28.1%
34.6%	3,993	4,865	872	21.8%
35.8%	3,865	4,401	536	13.9%
37.0%	3,835	4,326	491	12.8%
38.3%	3,709	3,991	283	7.6%
39.5%	3,696	3,834	138	3.7%
40.7%	2,821	3,832	1,010	35.8%
42.0%	2,358	3,702	1,343	57.0%
43.2%	2,318	2,816	497	21.5%
44.4%	2,230	2,416	186	8.4%
45.7%	2,194	2,226	32	1.5%
46.9%	2,174	2,224	50	2.3%
48.1%	1,969	1,820	-150	-7.6%
49.4%	1,787	1,702	-85	-4.8%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,387	1,200	-187	-13.5%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	926	1,139	213	23.0%
85.2%	900	929	29	3.2%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,035	-1	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,268	-1	0.0%
3.7%	22,001	23,960	1,959	8.9%
4.9%	20,294	19,629	-665	-3.3%
6.2%	19,372	19,371	-1	0.0%
7.4%	16,075	16,074	-1	0.0%
8.6%	14,409	14,407	-2	0.0%
9.9%	14,277	14,275	-2	0.0%
11.1%	13,402	13,402	0	0.0%
12.3%	12,917	12,916	0	0.0%
13.6%	11,916	11,912	-4	0.0%
14.8%	11,446	11,445	-1	0.0%
16.0%	11,351	11,352	1	0.0%
17.3%	10,166	10,145	-20	-0.2%
18.5%	9,485	10,144	659	7.0%
19.8%	9,393	9,389	-4	0.0%
21.0%	9,037	9,367	330	3.7%
22.2%	8,314	9,039	725	8.7%
23.5%	7,834	8,312	478	6.1%
24.7%	7,087	7,093	6	0.1%
25.9%	7,084	7,085	0	0.0%
27.2%	6,641	6,803	162	2.4%
28.4%	6,455	6,638	183	2.8%
29.6%	6,413	6,455	42	0.7%
30.9%	6,171	6,430	259	4.2%
32.1%	6,117	6,296	179	2.9%
33.3%	5,385	6,231	846	15.7%
34.6%	5,337	6,118	780	14.6%
35.8%	5,315	5,851	535	10.1%
37.0%	5,292	5,531	239	4.5%
38.3%	5,250	5,431	181	3.4%
39.5%	4,817	5,315	499	10.4%
40.7%	4,778	5,235	457	9.6%
42.0%	4,695	5,201	506	10.8%
43.2%	4,582	4,779	197	4.3%
44.4%	4,529	4,688	159	3.5%
45.7%	4,355	4,537	182	4.2%
46.9%	4,170	4,375	205	4.9%
48.1%	4,145	4,122	-23	-0.6%
49.4%	4,050	3,864	-186	-4.6%
50.6%	3,379	3,560	181	5.4%
51.9%	2,786	3,039	253	9.1%
53.1%	2,768	2,781	13	0.5%
54.3%	2,380	2,604	224	9.4%
55.6%	2,254	2,482	229	10.1%
56.8%	2,174	2,365	191	8.8%
58.0%	2,144	2,326	183	8.5%
59.3%	1,859	2,263	404	21.7%
60.5%	1,775	1,700	-75	-4.2%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,669	1,700	31	1.9%
77.8%	1,278	1,460	182	14.2%
79.0%	1,040	1,045	5	0.5%
80.2%	1,019	1,037	18	1.8%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	995	-5	-0.5%
87.7%	800	843	43	5.3%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,592	17,590	-2	0.0%
2.5%	13,120	13,119	-1	0.0%
3.7%	13,116	13,116	0	0.0%
4.9%	12,900	12,899	-1	0.0%
6.2%	10,563	10,559	-4	0.0%
7.4%	8,771	8,767	-3	0.0%
8.6%	8,459	8,459	-1	0.0%
9.9%	7,812	7,811	-1	0.0%
11.1%	7,660	7,679	19	0.3%
12.3%	7,560	7,560	0	0.0%
13.6%	6,692	6,713	21	0.3%
14.8%	6,239	6,239	0	0.0%
16.0%	5,101	5,101	0	0.0%
17.3%	4,793	4,799	5	0.1%
18.5%	4,554	4,553	-1	0.0%
19.8%	4,224	4,224	0	0.0%
21.0%	3,853	3,854	1	0.0%
22.2%	3,850	3,849	-1	0.0%
23.5%	3,795	3,795	-1	0.0%
24.7%	3,587	3,588	1	0.0%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,243	3,080	-163	-5.0%
28.4%	3,079	3,035	-44	-1.4%
29.6%	3,009	2,701	-308	-10.2%
30.9%	2,921	2,267	-654	-22.4%
32.1%	2,609	2,170	-439	-16.8%
33.3%	2,171	1,997	-174	-8.0%
34.6%	1,997	1,896	-101	-5.0%
35.8%	1,900	1,893	-7	-0.4%
37.0%	1,893	1,808	-85	-4.5%
38.3%	1,814	1,649	-164	-9.1%
39.5%	1,653	1,497	-155	-9.4%
40.7%	1,650	1,490	-160	-9.7%
42.0%	1,492	1,384	-108	-7.2%
43.2%	1,387	1,374	-13	-0.9%
44.4%	1,312	1,313	1	0.0%
45.7%	1,281	1,225	-55	-4.3%
46.9%	1,275	1,224	-52	-4.1%
48.1%	1,240	1,143	-97	-7.8%
49.4%	1,225	1,123	-101	-8.3%
50.6%	1,040	1,000	-40	-3.9%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	834	-166	-16.6%
88.9%	951	781	-170	-17.9%
90.1%	785	780	-5	-0.7%
91.4%	781	750	-31	-3.9%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,399	20,396	-3	0.0%
1.2%	18,247	18,245	-2	0.0%
2.5%	17,333	17,333	0	0.0%
3.7%	16,793	16,794	1	0.0%
4.9%	12,825	12,825	0	0.0%
6.2%	11,871	11,871	0	0.0%
7.4%	10,838	10,838	0	0.0%
8.6%	10,472	10,469	-4	0.0%
9.9%	10,420	10,419	-1	0.0%
11.1%	9,252	9,282	30	0.3%
12.3%	9,193	9,250	57	0.6%
13.6%	8,592	8,593	1	0.0%
14.8%	8,530	8,526	-4	0.0%
16.0%	8,395	8,395	0	0.0%
17.3%	8,006	8,006	0	0.0%
18.5%	7,768	7,770	2	0.0%
19.8%	5,851	5,846	-5	-0.1%
21.0%	5,792	5,791	-1	0.0%
22.2%	4,053	4,061	8	0.2%
23.5%	3,505	3,503	-2	-0.1%
24.7%	3,307	3,446	139	4.2%
25.9%	3,143	3,305	162	5.1%
27.2%	3,045	3,213	168	5.5%
28.4%	3,007	3,142	135	4.5%
29.6%	2,884	3,042	158	5.5%
30.9%	2,784	2,651	-133	-4.8%
32.1%	2,629	2,630	1	0.0%
33.3%	2,411	2,060	-351	-14.6%
34.6%	2,286	2,049	-237	-10.4%
35.8%	2,219	1,940	-279	-12.6%
37.0%	2,138	1,869	-269	-12.6%
38.3%	2,118	1,777	-341	-16.1%
39.5%	2,063	1,641	-421	-20.4%
40.7%	2,056	1,562	-494	-24.0%
42.0%	2,012	1,529	-484	-24.0%
43.2%	2,002	1,519	-483	-24.1%
44.4%	1,777	1,499	-278	-15.7%
45.7%	1,569	1,417	-153	-9.7%
46.9%	1,535	1,408	-127	-8.3%
48.1%	1,522	1,353	-168	-11.1%
49.4%	1,424	1,276	-148	-10.4%
50.6%	1,407	1,217	-190	-13.5%
51.9%	1,369	1,189	-181	-13.2%
53.1%	1,354	1,168	-186	-13.7%
54.3%	1,255	1,149	-106	-8.5%
55.6%	1,241	1,134	-107	-8.6%
56.8%	1,220	1,097	-123	-10.1%
58.0%	1,198	1,091	-107	-9.0%
59.3%	1,168	1,054	-114	-9.8%
60.5%	1,152	1,000	-152	-13.2%
61.7%	1,136	1,000	-136	-12.0%
63.0%	1,094	1,000	-94	-8.6%
64.2%	1,054	1,000	-54	-5.1%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	1,000	974	-26	-2.6%
92.6%	1,000	779	-221	-22.1%
93.8%	977	773	-204	-20.9%
95.1%	785	750	-35	-4.5%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-3b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,718	37	0.3%
1.2%	11,148	11,145	-3	0.0%
2.5%	10,971	10,969	-2	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,511	-3	0.0%
6.2%	8,203	8,203	0	0.0%
7.4%	6,686	6,983	297	4.4%
8.6%	6,549	6,649	100	1.5%
9.9%	6,154	6,602	447	7.3%
11.1%	6,071	6,532	461	7.6%
12.3%	5,637	6,057	419	7.4%
13.6%	5,563	5,720	157	2.8%
14.8%	5,400	5,486	86	1.6%
16.0%	4,843	5,191	349	7.2%
17.3%	4,842	4,851	9	0.2%
18.5%	4,754	4,662	-92	-1.9%
19.8%	4,490	4,627	137	3.0%
21.0%	4,466	4,585	119	2.7%
22.2%	4,381	4,469	88	2.0%
23.5%	4,370	4,447	77	1.8%
24.7%	4,293	4,404	111	2.6%
25.9%	4,217	4,385	168	4.0%
27.2%	4,161	4,332	171	4.1%
28.4%	4,149	4,325	177	4.3%
29.6%	4,147	4,241	94	2.3%
30.9%	4,125	4,208	83	2.0%
32.1%	4,049	4,154	106	2.6%
33.3%	4,024	4,117	93	2.3%
34.6%	3,924	4,011	87	2.2%
35.8%	3,893	4,001	109	2.8%
37.0%	3,883	3,921	38	1.0%
38.3%	3,848	3,885	37	1.0%
39.5%	3,828	3,706	-122	-3.2%
40.7%	3,741	3,659	-82	-2.2%
42.0%	3,722	3,604	-118	-3.2%
43.2%	3,706	3,599	-107	-2.9%
44.4%	3,584	3,592	7	0.2%
45.7%	3,557	3,567	10	0.3%
46.9%	3,514	3,536	22	0.6%
48.1%	3,451	3,486	35	1.0%
49.4%	3,422	3,416	-6	-0.2%
50.6%	3,381	3,288	-93	-2.8%
51.9%	3,355	3,137	-218	-6.5%
53.1%	3,336	3,096	-240	-7.2%
54.3%	3,332	3,080	-252	-7.6%
55.6%	3,323	3,063	-260	-7.8%
56.8%	3,309	3,045	-264	-8.0%
58.0%	3,153	2,943	-210	-6.6%
59.3%	3,080	2,898	-183	-5.9%
60.5%	3,046	2,876	-171	-5.6%
61.7%	2,926	2,871	-55	-1.9%
63.0%	2,917	2,777	-141	-4.8%
64.2%	2,898	2,744	-154	-5.3%
65.4%	2,892	2,681	-211	-7.3%
66.7%	2,863	2,623	-240	-8.4%
67.9%	2,849	2,622	-227	-8.0%
69.1%	2,813	2,549	-264	-9.4%
70.4%	2,806	2,500	-306	-10.9%
71.6%	2,798	2,500	-298	-10.7%
72.8%	2,718	2,495	-223	-8.2%
74.1%	2,519	2,490	-29	-1.2%
75.3%	2,320	2,479	160	6.9%
76.5%	2,266	2,466	200	8.8%
77.8%	2,228	2,451	223	10.0%
79.0%	2,189	2,443	254	11.6%
80.2%	2,080	2,437	356	17.1%
81.5%	2,053	2,343	291	14.2%
82.7%	2,002	2,316	314	15.7%
84.0%	1,997	2,314	317	15.9%
85.2%	1,978	2,310	332	16.8%
86.4%	1,837	2,250	414	22.5%
87.7%	1,767	2,231	465	26.3%
88.9%	1,634	2,209	575	35.2%
90.1%	1,627	2,184	558	34.3%
91.4%	1,585	2,156	571	36.0%
92.6%	1,145	2,077	933	81.5%
93.8%	1,099	2,064	966	87.9%
95.1%	1,000	2,000	1,000	100.0%
96.3%	1,000	1,978	978	97.8%
97.5%	1,000	1,895	895	89.5%
98.8%	1,000	1,765	765	76.5%
100.0%	1,000	1,584	584	58.4%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	10,000	0	0.0%
6.2%	10,000	10,000	0	0.0%
7.4%	10,000	10,000	0	0.0%
8.6%	10,000	10,000	0	0.0%
9.9%	10,000	10,000	0	0.0%
11.1%	10,000	10,000	0	0.0%
12.3%	10,000	10,000	0	0.0%
13.6%	9,986	9,934	-52	-0.5%
14.8%	9,945	9,804	-142	-1.4%
16.0%	9,791	9,799	8	0.1%
17.3%	9,727	9,731	5	0.1%
18.5%	9,717	9,694	-23	-0.2%
19.8%	9,580	9,626	46	0.5%
21.0%	9,560	9,524	-36	-0.4%
22.2%	9,483	9,510	27	0.3%
23.5%	9,467	9,436	-31	-0.3%
24.7%	9,301	9,377	76	0.8%
25.9%	9,224	9,273	50	0.5%
27.2%	9,217	9,259	42	0.5%
28.4%	9,138	9,237	99	1.1%
29.6%	9,129	9,159	30	0.3%
30.9%	9,118	9,141	22	0.2%
32.1%	9,053	9,118	66	0.7%
33.3%	9,015	8,801	-215	-2.4%
34.6%	8,964	8,798	-166	-1.9%
35.8%	8,848	8,754	-93	-1.1%
37.0%	8,833	8,706	-127	-1.4%
38.3%	8,823	8,685	-137	-1.6%
39.5%	8,819	8,650	-170	-1.9%
40.7%	8,746	8,620	-126	-1.4%
42.0%	8,714	8,619	-95	-1.1%
43.2%	8,713	8,592	-120	-1.4%
44.4%	8,656	8,583	-74	-0.9%
45.7%	8,647	8,571	-75	-0.9%
46.9%	8,565	8,453	-111	-1.3%
48.1%	8,533	8,444	-89	-1.0%
49.4%	8,495	8,438	-57	-0.7%
50.6%	8,478	8,402	-76	-0.9%
51.9%	8,467	8,368	-99	-1.2%
53.1%	8,457	8,360	-97	-1.1%
54.3%	8,390	8,282	-107	-1.3%
55.6%	8,347	8,189	-158	-1.9%
56.8%	8,322	8,155	-168	-2.0%
58.0%	8,316	8,150	-166	-2.0%
59.3%	8,312	8,139	-173	-2.1%
60.5%	8,292	8,104	-188	-2.3%
61.7%	8,256	7,956	-300	-3.6%
63.0%	8,250	7,845	-404	-4.9%
64.2%	8,208	7,801	-408	-5.0%
65.4%	8,159	7,696	-462	-5.7%
66.7%	7,795	7,655	-140	-1.8%
67.9%	7,728	7,424	-304	-3.9%
69.1%	7,725	7,412	-313	-4.1%
70.4%	7,580	7,338	-242	-3.2%
71.6%	7,579	7,214	-365	-4.8%
72.8%	7,426	7,169	-257	-3.5%
74.1%	7,397	7,107	-290	-3.9%
75.3%	7,303	7,048	-256	-3.5%
76.5%	7,224	7,044	-180	-2.5%
77.8%	7,086	6,981	-105	-1.5%
79.0%	6,570	6,777	207	3.2%
80.2%	6,269	6,705	436	7.0%
81.5%	6,203	6,679	476	7.7%
82.7%	5,761	6,340	579	10.1%
84.0%	5,599	6,303	703	12.6%
85.2%	5,395	5,943	548	10.2%
86.4%	3,750	4,896	1,145	30.5%
87.7%	3,716	4,667	951	25.6%
88.9%	3,459	3,976	517	14.9%
90.1%	2,804	3,611	807	28.8%
91.4%	2,796	3,400	604	21.6%
92.6%	2,448	3,380	932	38.1%
93.8%	2,428	2,796	368	15.2%
95.1%	2,379	2,542	163	6.9%
96.3%	2,358	2,425	67	2.8%
97.5%	1,507	2,400	893	59.3%
98.8%	1,484	1,484	0	0.0%
100.0%	1,440	1,214	-227	-15.7%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,639	37	0.4%
1.2%	8,563	8,639	76	0.9%
2.5%	8,167	8,556	389	4.8%
3.7%	7,924	8,341	418	5.3%
4.9%	7,866	8,086	221	2.8%
6.2%	7,763	8,079	317	4.1%
7.4%	7,427	8,017	589	7.9%
8.6%	7,398	7,954	556	7.5%
9.9%	7,306	7,909	603	8.3%
11.1%	7,246	7,876	630	8.7%
12.3%	7,196	7,828	632	8.8%
13.6%	7,190	7,821	630	8.8%
14.8%	7,163	7,819	656	9.2%
16.0%	7,076	7,666	590	8.3%
17.3%	7,027	7,660	633	9.0%
18.5%	7,011	7,594	583	8.3%
19.8%	6,997	7,562	565	8.1%
21.0%	6,964	7,494	530	7.6%
22.2%	6,932	7,438	507	7.3%
23.5%	6,880	7,393	512	7.4%
24.7%	6,869	7,322	454	6.6%
25.9%	6,862	7,210	348	5.1%
27.2%	6,830	6,934	104	1.5%
28.4%	6,824	6,794	-29	-0.4%
29.6%	6,784	6,726	-58	-0.9%
30.9%	6,601	6,685	83	1.3%
32.1%	6,555	6,565	10	0.2%
33.3%	6,554	6,388	-166	-2.5%
34.6%	6,546	6,371	-175	-2.7%
35.8%	6,519	6,280	-239	-3.7%
37.0%	6,508	6,266	-242	-3.7%
38.3%	6,505	6,259	-246	-3.8%
39.5%	6,486	6,234	-252	-3.9%
40.7%	6,446	6,164	-281	-4.4%
42.0%	6,441	5,633	-808	-12.5%
43.2%	6,409	5,576	-832	-13.0%
44.4%	6,386	5,489	-897	-14.1%
45.7%	6,315	5,474	-841	-13.3%
46.9%	6,207	5,440	-767	-12.4%
48.1%	6,086	5,408	-677	-11.1%
49.4%	6,056	5,387	-668	-11.0%
50.6%	6,025	5,257	-768	-12.7%
51.9%	5,878	4,874	-1,004	-17.1%
53.1%	5,835	4,648	-1,187	-20.3%
54.3%	5,794	4,568	-1,226	-21.2%
55.6%	5,706	4,493	-1,213	-21.3%
56.8%	5,353	4,436	-917	-17.1%
58.0%	5,310	4,351	-959	-18.1%
59.3%	5,267	4,118	-1,149	-21.8%
60.5%	5,257	4,005	-1,253	-23.8%
61.7%	5,240	3,968	-1,272	-24.3%
63.0%	4,701	3,932	-769	-16.4%
64.2%	4,495	3,749	-746	-16.6%
65.4%	4,495	3,715	-780	-17.3%
66.7%	4,020	3,606	-413	-10.3%
67.9%	3,752	3,602	-151	-4.0%
69.1%	3,438	3,396	-43	-1.2%
70.4%	3,412	3,374	-38	-1.1%
71.6%	2,987	3,311	324	10.8%
72.8%	2,716	2,981	265	9.7%
74.1%	2,588	2,946	359	13.9%
75.3%	2,352	2,772	420	17.9%
76.5%	2,309	2,747	438	19.0%
77.8%	2,176	2,696	520	23.9%
79.0%	1,899	2,570	671	35.3%
80.2%	1,800	2,540	740	41.1%
81.5%	1,704	2,500	796	46.7%
82.7%	1,679	2,500	821	48.9%
84.0%	1,480	2,500	1,020	68.9%
85.2%	1,450	2,500	1,050	72.4%
86.4%	1,414	2,500	1,086	76.8%
87.7%	1,411	2,496	1,085	76.9%
88.9%	1,397	2,479	1,082	77.4%
90.1%	1,354	2,391	1,038	76.7%
91.4%	1,352	1,843	491	36.3%
92.6%	1,300	1,479	180	13.8%
93.8%	1,260	1,073	-187	-14.9%
95.1%	1,165	1,029	-136	-11.7%
96.3%	1,064	965	-100	-9.4%
97.5%	1,041	963	-78	-7.5%
98.8%	1,000	946	-54	-5.4%
100.0%	1,000	894	-106	-10.6%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	9,972	-28	-0.3%
6.2%	9,966	9,969	4	0.0%
7.4%	9,899	9,946	47	0.5%
8.6%	9,789	9,924	135	1.4%
9.9%	9,761	9,787	26	0.3%
11.1%	9,692	9,750	58	0.6%
12.3%	9,536	9,663	127	1.3%
13.6%	9,521	9,656	135	1.4%
14.8%	9,503	9,558	55	0.6%
16.0%	9,442	9,504	62	0.7%
17.3%	9,340	9,448	109	1.2%
18.5%	9,258	9,421	162	1.8%
19.8%	8,911	9,257	346	3.9%
21.0%	8,118	8,952	834	10.3%
22.2%	8,070	8,877	808	10.0%
23.5%	8,059	8,855	796	9.9%
24.7%	7,741	8,071	330	4.3%
25.9%	7,725	8,063	338	4.4%
27.2%	7,676	8,017	342	4.5%
28.4%	7,364	7,969	606	8.2%
29.6%	7,295	7,922	627	8.6%
30.9%	7,251	7,906	656	9.0%
32.1%	7,215	7,653	438	6.1%
33.3%	7,058	7,333	274	3.9%
34.6%	6,827	7,114	287	4.2%
35.8%	6,756	7,068	312	4.6%
37.0%	6,680	6,944	264	4.0%
38.3%	6,505	6,725	220	3.4%
39.5%	5,082	6,539	1,457	28.7%
40.7%	5,065	5,785	720	14.2%
42.0%	4,739	5,690	950	20.0%
43.2%	4,732	5,170	439	9.3%
44.4%	4,632	4,496	-135	-2.9%
45.7%	4,626	4,251	-375	-8.1%
46.9%	3,654	4,228	574	15.7%
48.1%	3,491	3,990	499	14.3%
49.4%	3,367	3,797	430	12.8%
50.6%	3,312	3,576	264	8.0%
51.9%	3,308	3,476	168	5.1%
53.1%	3,261	3,337	76	2.3%
54.3%	3,148	3,282	134	4.2%
55.6%	3,131	3,236	105	3.4%
56.8%	3,115	3,188	73	2.3%
58.0%	3,092	3,160	67	2.2%
59.3%	3,035	3,093	58	1.9%
60.5%	2,906	3,000	94	3.2%
61.7%	2,829	3,000	171	6.0%
63.0%	2,778	2,951	173	6.2%
64.2%	2,621	2,855	235	9.0%
65.4%	2,588	2,765	176	6.8%
66.7%	2,465	2,733	268	10.9%
67.9%	2,445	2,601	156	6.4%
69.1%	2,436	2,592	156	6.4%
70.4%	2,360	2,465	105	4.5%
71.6%	2,288	2,352	64	2.8%
72.8%	2,174	2,275	101	4.7%
74.1%	2,130	2,081	-49	-2.3%
75.3%	2,007	2,000	-7	-0.3%
76.5%	1,916	1,990	74	3.8%
77.8%	1,904	1,915	11	0.6%
79.0%	1,751	1,841	90	5.2%
80.2%	1,707	1,786	79	4.6%
81.5%	1,488	1,757	268	18.0%
82.7%	1,488	1,738	249	16.8%
84.0%	1,369	1,705	337	24.6%
85.2%	1,305	1,692	387	29.7%
86.4%	1,147	1,488	341	29.7%
87.7%	1,036	1,368	333	32.1%
88.9%	1,034	1,304	270	26.1%
90.1%	1,030	1,283	253	24.5%
91.4%	1,005	1,133	128	12.8%
92.6%	1,000	1,125	125	12.5%
93.8%	1,000	1,071	71	7.1%
95.1%	982	1,030	48	4.9%
96.3%	897	1,000	103	11.5%
97.5%	773	1,000	227	29.3%
98.8%	773	848	75	9.6%
100.0%	773	800	27	3.4%

Table SW-23-3a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,312	3,145	5,786	11,338	12,918	12,986	8,811	7,670	6,330	8,371	5,972	6,575
Alternative A	3,072	3,101	5,544	11,361	12,965	13,120	8,771	7,603	6,461	8,405	5,987	6,808
Difference	-240	-44	-242	23	47	134	-40	-67	131	33	14	233
Percent Difference[3]	-7.2%	-1.4%	-4.2%	0.2%	0.4%	1.0%	-0.5%	-0.9%	2.1%	0.4%	0.2%	3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,258	4,230	8,495	22,904	26,098	23,692	15,954	14,390	10,293	8,421	5,496	10,522
Alternative A	3,999	4,108	8,133	23,012	26,072	23,739	15,956	14,391	10,502	8,450	5,376	10,728
Difference	-259	-123	-362	109	-25	47	1	1	209	30	-120	205
Percent Difference	-6.1%	-2.9%	-4.3%	0.5%	-0.1%	0.2%	0.0%	0.0%	2.0%	0.4%	-2.2%	2.0%
Above Normal (15%)												
No Action Alternative	4,083	3,265	4,677	11,475	12,863	19,318	9,848	7,957	6,465	9,663	7,416	8,989
Alternative A	3,890	3,270	4,050	11,569	12,844	19,785	9,846	8,055	6,804	9,729	6,945	9,285
Difference	-193	6	-628	95	-19	468	-1	98	339	66	-471	296
Percent Difference	-4.7%	0.2%	-13.4%	0.8%	-0.1%	2.4%	0.0%	1.2%	5.2%	0.7%	-6.4%	3.3%
Below Normal (17%)												
No Action Alternative	3,655	3,434	6,731	5,589	8,055	7,130	5,328	4,652	4,621	9,459	7,353	4,454
Alternative A	3,356	3,423	7,083	5,345	8,511	7,459	5,327	4,635	5,078	9,394	7,015	4,676
Difference	-299	-12	352	-244	456	329	-1	-17	457	-65	-338	223
Percent Difference	-8.2%	-0.3%	5.2%	-4.4%	5.7%	4.6%	0.0%	-0.4%	9.9%	-0.7%	-4.6%	5.0%
Dry (22%)												
No Action Alternative	2,397	2,479	4,613	4,297	4,234	4,767	4,199	3,661	4,145	8,230	6,728	3,833
Alternative A	2,079	2,491	4,166	4,241	4,188	4,623	4,145	3,390	3,893	8,238	7,357	4,118
Difference	-318	12	-447	-56	-46	-144	-54	-270	-253	8	629	285
Percent Difference	-13.3%	0.5%	-9.7%	-1.3%	-1.1%	-3.0%	-1.3%	-7.4%	-6.1%	0.1%	9.4%	7.4%
Critical (15%)												
No Action Alternative	1,465	1,338	1,680	3,412	3,116	2,620	3,280	2,357	2,876	5,917	2,816	2,197
Alternative A	1,405	1,290	1,703	3,607	3,050	2,798	3,084	2,227	2,828	6,079	3,095	2,362
Difference	-60	-47	23	195	-66	178	-196	-130	-48	162	279	165
Percent Difference	-4.1%	-3.5%	1.4%	5.7%	-2.1%	6.8%	-6.0%	-5.5%	-1.7%	2.7%	9.9%	7.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-23-3b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

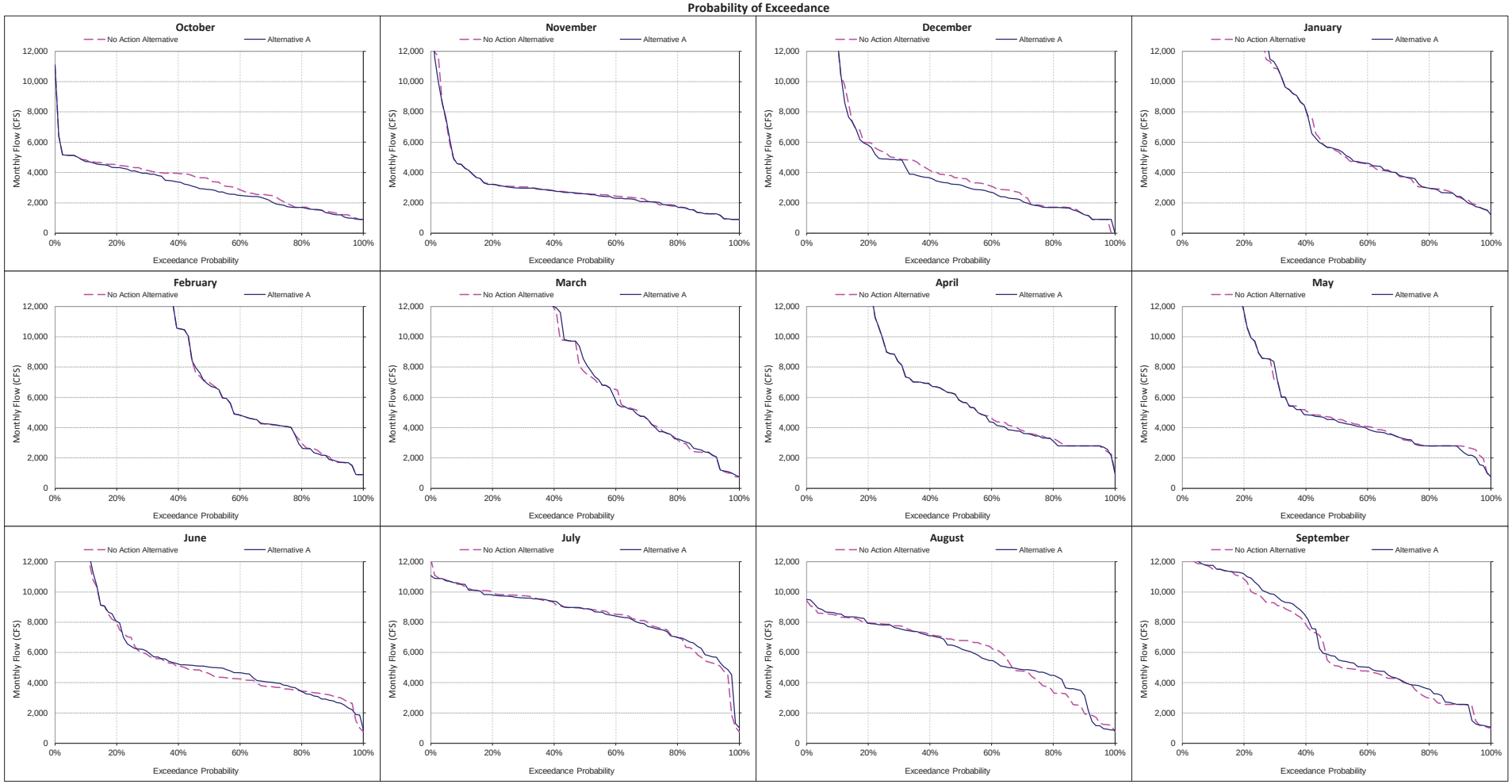

Table SW-23-3b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,104	11,107	3	0.0%
1.2%	6,414	6,425	11	0.2%
2.5%	5,151	5,154	3	0.1%
3.7%	5,138	5,148	10	0.2%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,128	0	0.0%
7.4%	5,001	5,002	1	0.0%
8.6%	4,864	4,865	1	0.0%
9.9%	4,833	4,729	-104	-2.1%
11.1%	4,727	4,712	-15	-0.3%
12.3%	4,712	4,640	-72	-1.5%
13.6%	4,662	4,556	-106	-2.3%
14.8%	4,651	4,523	-129	-2.8%
16.0%	4,574	4,501	-73	-1.6%
17.3%	4,543	4,458	-85	-1.9%
18.5%	4,533	4,336	-197	-4.3%
19.8%	4,520	4,318	-202	-4.5%
21.0%	4,457	4,316	-140	-3.1%
22.2%	4,432	4,270	-162	-3.7%
23.5%	4,412	4,218	-194	-4.4%
24.7%	4,333	4,104	-229	-5.3%
25.9%	4,319	4,097	-222	-5.1%
27.2%	4,317	4,028	-289	-6.7%
28.4%	4,196	3,959	-237	-5.7%
29.6%	4,159	3,950	-209	-5.0%
30.9%	4,102	3,893	-209	-5.1%
32.1%	4,040	3,889	-151	-3.7%
33.3%	4,001	3,809	-192	-4.8%
34.6%	3,988	3,751	-237	-5.9%
35.8%	3,961	3,492	-469	-11.8%
37.0%	3,960	3,462	-498	-12.6%
38.3%	3,958	3,437	-521	-13.2%
39.5%	3,948	3,384	-563	-14.3%
40.7%	3,921	3,350	-570	-14.5%
42.0%	3,907	3,235	-672	-17.2%
43.2%	3,884	3,190	-694	-17.9%
44.4%	3,802	3,092	-711	-18.7%
45.7%	3,699	3,039	-659	-17.8%
46.9%	3,649	2,927	-722	-19.8%
48.1%	3,644	2,914	-730	-20.0%
49.4%	3,629	2,878	-751	-20.7%
50.6%	3,403	2,858	-545	-16.0%
51.9%	3,386	2,813	-573	-16.9%
53.1%	3,374	2,722	-653	-19.3%
54.3%	3,151	2,718	-433	-13.7%
55.6%	3,085	2,621	-464	-15.0%
56.8%	3,057	2,560	-497	-16.3%
58.0%	3,031	2,557	-473	-15.6%
59.3%	2,918	2,503	-415	-14.2%
60.5%	2,811	2,478	-333	-11.9%
61.7%	2,705	2,453	-252	-9.3%
63.0%	2,652	2,425	-228	-8.6%
64.2%	2,618	2,419	-199	-7.6%
65.4%	2,550	2,413	-136	-5.3%
66.7%	2,548	2,361	-187	-7.3%
67.9%	2,542	2,279	-263	-10.4%
69.1%	2,498	2,203	-294	-11.8%
70.4%	2,479	2,043	-436	-17.6%
71.6%	2,387	1,923	-463	-19.4%
72.8%	2,204	1,876	-328	-14.9%
74.1%	2,075	1,839	-237	-11.4%
75.3%	1,927	1,743	-184	-9.5%
76.5%	1,837	1,707	-130	-7.1%
77.8%	1,707	1,700	-7	-0.4%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,624	-76	-4.5%
82.7%	1,585	1,582	-3	-0.2%
84.0%	1,539	1,556	18	1.1%
85.2%	1,531	1,553	22	1.4%
86.4%	1,507	1,508	1	0.0%
87.7%	1,448	1,351	-97	-6.7%
88.9%	1,400	1,304	-96	-6.8%
90.1%	1,350	1,238	-113	-8.3%
91.4%	1,303	1,200	-103	-7.9%
92.6%	1,235	1,200	-35	-2.8%
93.8%	1,200	1,059	-141	-11.8%
95.1%	1,200	987	-213	-17.8%
96.3%	1,060	983	-77	-7.3%
97.5%	984	929	-55	-5.6%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,067	23,068	1	0.0%
1.2%	11,939	11,672	-267	-2.2%
2.5%	11,671	9,977	-1,694	-14.5%
3.7%	8,621	8,619	-2	0.0%
4.9%	7,420	7,609	189	2.5%
6.2%	5,902	6,196	294	5.0%
7.4%	4,924	4,925	0	0.0%
8.6%	4,577	4,575	-2	0.0%
9.9%	4,540	4,544	4	0.1%
11.1%	4,279	4,283	4	0.1%
12.3%	4,146	4,147	1	0.0%
13.6%	3,891	3,893	1	0.0%
14.8%	3,662	3,663	1	0.0%
16.0%	3,607	3,608	0	0.0%
17.3%	3,315	3,316	1	0.0%
18.5%	3,286	3,215	-71	-2.2%
19.8%	3,239	3,210	-29	-0.9%
21.0%	3,207	3,198	-9	-0.3%
22.2%	3,123	3,149	26	0.8%
23.5%	3,093	3,108	14	0.5%
24.7%	3,091	3,056	-35	-1.1%
25.9%	3,088	3,022	-66	-2.1%
27.2%	3,076	2,988	-88	-2.9%
28.4%	3,056	2,976	-80	-2.6%
29.6%	3,048	2,973	-75	-2.5%
30.9%	3,047	2,967	-80	-2.6%
32.1%	3,020	2,965	-55	-1.8%
33.3%	2,973	2,959	-14	-0.5%
34.6%	2,956	2,899	-57	-1.9%
35.8%	2,895	2,879	-16	-0.6%
37.0%	2,879	2,873	-5	-0.2%
38.3%	2,859	2,816	-42	-1.5%
39.5%	2,800	2,816	16	0.6%
40.7%	2,788	2,756	-33	-1.2%
42.0%	2,751	2,754	4	0.1%
43.2%	2,748	2,688	-59	-2.2%
44.4%	2,693	2,684	-9	-0.3%
45.7%	2,683	2,676	-8	-0.3%
46.9%	2,665	2,622	-43	-1.6%
48.1%	2,633	2,615	-18	-0.7%
49.4%	2,610	2,592	-18	-0.7%
50.6%	2,589	2,584	-5	-0.2%
51.9%	2,583	2,532	-51	-2.0%
53.1%	2,566	2,528	-38	-1.5%
54.3%	2,559	2,467	-91	-3.6%
55.6%	2,533	2,429	-104	-4.1%
56.8%	2,526	2,421	-105	-4.2%
58.0%	2,458	2,412	-46	-1.9%
59.3%	2,454	2,317	-137	-5.6%
60.5%	2,421	2,293	-128	-5.3%
61.7%	2,410	2,289	-121	-5.0%
63.0%	2,379	2,264	-114	-4.8%
64.2%	2,366	2,258	-108	-4.6%
65.4%	2,342	2,247	-95	-4.0%
66.7%	2,314	2,186	-127	-5.5%
67.9%	2,290	2,076	-214	-9.3%
69.1%	2,257	2,075	-182	-8.1%
70.4%	2,077	2,073	-4	-0.2%
71.6%	2,070	2,058	-12	-0.6%
72.8%	2,022	2,044	22	1.1%
74.1%	1,863	2,031	168	9.0%
75.3%	1,858	1,871	13	0.7%
76.5%	1,850	1,860	10	0.6%
77.8%	1,787	1,857	69	3.9%
79.0%	1,776	1,830	54	3.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,647	1,659	12	0.7%
84.0%	1,548	1,550	2	0.1%
85.2%	1,499	1,545	46	3.0%
86.4%	1,357	1,362	5	0.4%
87.7%	1,344	1,345	1	0.1%
88.9%	1,312	1,282	-30	-2.3%
90.1%	1,280	1,281	1	0.1%
91.4%	1,271	1,278	6	0.5%
92.6%	1,270	1,269	0	0.0%
93.8%	1,177	1,175	-1	-0.1%
95.1%	954	946	-9	-0.9%
96.3%	937	936	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,403	48,404	1	0.0%
1.2%	32,897	32,356	-541	-1.6%
2.5%	32,019	29,166	-2,854	-8.9%
3.7%	21,161	21,539	378	1.8%
4.9%	20,375	21,173	798	3.9%
6.2%	18,708	19,818	1,110	5.9%
7.4%	17,732	18,596	864	4.9%
8.6%	13,076	15,896	2,820	21.6%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,412	1	0.0%
12.3%	9,782	8,590	-1,192	-12.2%
13.6%	8,600	7,655	-945	-11.0%
14.8%	7,335	7,335	1	0.0%
16.0%	6,829	6,834	5	0.1%
17.3%	6,808	6,166	-642	-9.4%
18.5%	5,995	5,948	-47	-0.8%
19.8%	5,972	5,837	-135	-2.3%
21.0%	5,948	5,639	-310	-5.2%
22.2%	5,635	5,197	-438	-7.8%
23.5%	5,476	4,925	-551	-10.1%
24.7%	5,382	4,899	-483	-9.0%
25.9%	5,262	4,893	-369	-7.0%
27.2%	5,031	4,865	-166	-3.3%
28.4%	4,994	4,851	-143	-2.9%
29.6%	4,919	4,827	-93	-1.9%
30.9%	4,864	4,818	-47	-1.0%
32.1%	4,843	4,343	-500	-10.3%
33.3%	4,825	3,892	-932	-19.3%
34.6%	4,815	3,888	-928	-19.3%
35.8%	4,692	3,810	-883	-18.8%
37.0%	4,480	3,734	-746	-16.7%
38.3%	4,360	3,693	-667	-15.3%
39.5%	4,207	3,661	-546	-13.0%
40.7%	4,046	3,590	-455	-11.3%
42.0%	4,038	3,446	-592	-14.7%
43.2%	3,892	3,388	-504	-12.9%
44.4%	3,864	3,328	-535	-13.9%
45.7%	3,810	3,326	-484	-12.7%
46.9%	3,797	3,230	-567	-14.9%
48.1%	3,660	3,222	-437	-11.9%
49.4%	3,647	3,197	-451	-12.4%
50.6%	3,608	3,137	-472	-13.1%
51.9%	3,589	3,026	-563	-15.7%
53.1%	3,382	2,953	-429	-12.7%
54.3%	3,324	2,885	-439	-13.2%
55.6%	3,321	2,865	-457	-13.8%
56.8%	3,289	2,853	-437	-13.3%
58.0%	3,230	2,790	-440	-13.6%
59.3%	3,136	2,723	-413	-13.2%
60.5%	3,045	2,663	-382	-12.5%
61.7%	2,897	2,505	-392	-13.5%
63.0%	2,881	2,397	-484	-16.8%
64.2%	2,863	2,391	-472	-16.5%
65.4%	2,852	2,305	-548	-19.2%
66.7%	2,788	2,274	-514	-18.4%
67.9%	2,723	2,256	-467	-17.2%
69.1%	2,663	2,206	-457	-17.2%
70.4%	2,387	2,044	-342	-14.3%
71.6%	2,313	1,984	-328	-14.2%
72.8%	1,867	1,875	8	0.4%
74.1%	1,855	1,819	-36	-2.0%
75.3%	1,853	1,794	-59	-3.2%
76.5%	1,796	1,705	-91	-5.1%
77.8%	1,716	1,700	-16	-1.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,700	1,675	-25	-1.5%
84.0%	1,700	1,656	-44	-2.6%
85.2%	1,673	1,649	-24	-1.4%
86.4%	1,648	1,529	-119	-7.2%
87.7%	1,526	1,463	-63	-4.2%
88.9%	1,337	1,339	3	0.2%
90.1%	1,200	1,200	0	0.0%
91.4%	1,159	1,158	-1	-0.1%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	0	900	900	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,431	98,425	-6	0.0%
1.2%	67,172	67,188	16	0.0%
2.5%	38,850	38,846	-4	0.0%
3.7%	37,900	37,906	6	0.0%
4.9%	35,751	34,701	-1,050	-2.9%
6.2%	33,046	34,250	1,205	3.6%
7.4%	32,056	32,667	610	1.9%
8.6%	31,531	31,543	12	0.0%
9.9%	21,994	22,286	292	1.3%
11.1%	21,686	21,995	309	1.4%
12.3%	21,603	21,687	84	0.4%
13.6%	21,001	21,015	14	0.1%
14.8%	20,687	20,690	2	0.0%
16.0%	19,246	18,802	-444	-2.3%
17.3%	18,798	17,943	-855	-4.5%
18.5%	17,938	17,714	-224	-1.2%
19.8%	17,623	17,627	5	0.0%
21.0%	17,285	17,286	2	0.0%
22.2%	16,366	16,366	0	0.0%
23.5%	16,247	16,251	5	0.0%
24.7%	13,212	13,215	3	0.0%
25.9%	13,021	13,023	2	0.0%
27.2%	11,473	12,878	1,405	12.2%
28.4%	11,324	11,474	150	1.3%
29.6%	10,906	11,333	427	3.9%
30.9%	10,846	10,908	62	0.6%
32.1%	10,308	10,311	3	0.0%
33.3%	9,624	9,625	1	0.0%
34.6%	9,478	9,483	5	0.1%
35.8%	9,211	9,210	-1	0.0%
37.0%	9,083	9,086	3	0.0%
38.3%	8,655	8,651	-4	0.0%
39.5%	8,442	8,443	0	0.0%
40.7%	7,707	7,639	-68	-0.9%
42.0%	7,635	6,571	-1,064	-13.9%
43.2%	6,568	6,261	-307	-4.7%
44.4%	6,258	5,986	-272	-4.3%
45.7%	5,836	5,840	4	0.1%
46.9%	5,654	5,659	5	0.1%
48.1%	5,632	5,652	20	0.3%
49.4%	5,484	5,555	72	1.3%
50.6%	5,354	5,502	148	2.8%
51.9%	5,110	5,352	242	4.7%
53.1%	4,984	5,113	129	2.6%
54.3%	4,738	4,996	257	5.4%
55.6%	4,717	4,739	22	0.5%
56.8%	4,652	4,722	70	1.5%
58.0%	4,623	4,664	41	0.9%
59.3%	4,582	4,629	47	1.0%
60.5%	4,430	4,590	159	3.6%
61.7%	4,408	4,452	44	1.0%
63.0%	4,200	4,431	231	5.5%
64.2%	4,172	4,410	238	5.7%
65.4%	4,126	4,173	47	1.1%
66.7%	4,082	4,152	70	1.7%
67.9%	4,016	4,019	4	0.1%
69.1%	4,008	4,011	3	0.1%
70.4%	3,737	3,804	67	1.8%
71.6%	3,701	3,743	41	1.1%
72.8%	3,661	3,663	1	0.0%
74.1%	3,582	3,651	69	1.9%
75.3%	3,228	3,580	352	10.9%
76.5%	3,055	3,229	174	5.7%
77.8%	3,051	3,054	2	0.1%
79.0%	2,997	2,997	0	0.0%
80.2%	2,950	2,949	-2	-0.1%
81.5%	2,935	2,924	-11	-0.4%
82.7%	2,920	2,842	-78	-2.7%
84.0%	2,907	2,664	-243	-8.4%
85.2%	2,839	2,661	-178	-6.3%
86.4%	2,760	2,640	-120	-4.4%
87.7%	2,647	2,632	-15	-0.6%
88.9%	2,409	2,413	4	0.2%
90.1%	2,333	2,410	78	3.3%
91.4%	2,211	2,191	-21	-0.9%
92.6%	2,187	1,969	-218	-10.0%
93.8%	1,967	1,890	-78	-3.9%
95.1%	1,880	1,749	-131	-7.0%
96.3%	1,700	1,700	0	0.0%
97.5%	1,587	1,586	-1	-0.1%
98.8%	1,515	1,511	-4	-0.3%
100.0%	1,200	1,200	0	0.0%

Table SW-23-3b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	73,546	-1,100	-1.5%
1.2%	47,661	47,722	61	0.1%
2.5%	36,819	36,810	-9	0.0%
3.7%	36,336	36,336	1	0.0%
4.9%	35,637	35,639	1	0.0%
6.2%	35,414	35,415	1	0.0%
7.4%	35,063	35,062	-2	0.0%
8.6%	33,624	33,622	-1	0.0%
9.9%	31,040	31,042	2	0.0%
11.1%	30,146	30,148	2	0.0%
12.3%	30,130	29,370	-760	-2.5%
13.6%	28,315	28,304	-11	0.0%
14.8%	25,886	26,095	209	0.8%
16.0%	25,806	25,889	83	0.3%
17.3%	25,229	25,699	470	1.9%
18.5%	24,130	25,222	1,092	4.5%
19.8%	24,018	24,030	12	0.0%
21.0%	22,239	20,700	-1,539	-6.9%
22.2%	20,605	20,606	1	0.0%
23.5%	20,369	20,467	98	0.5%
24.7%	20,210	20,401	191	0.9%
25.9%	18,698	18,765	67	0.4%
27.2%	17,037	18,706	1,669	9.8%
28.4%	16,420	17,680	1,259	7.7%
29.6%	16,098	16,542	444	2.8%
30.9%	15,798	16,416	619	3.9%
32.1%	15,769	16,100	331	2.1%
33.3%	15,708	15,818	110	0.7%
34.6%	15,340	15,771	431	2.8%
35.8%	13,600	14,679	1,079	7.9%
37.0%	12,704	12,702	-1	0.0%
38.3%	12,138	12,138	0	0.0%
39.5%	10,574	10,575	2	0.0%
40.7%	10,526	10,527	2	0.0%
42.0%	10,472	10,473	1	0.0%
43.2%	10,036	10,043	7	0.1%
44.4%	8,401	8,401	1	0.0%
45.7%	7,628	7,933	305	4.0%
46.9%	7,409	7,629	220	3.0%
48.1%	7,128	7,122	-5	-0.1%
49.4%	7,119	6,900	-219	-3.1%
50.6%	6,899	6,719	-180	-2.6%
51.9%	6,716	6,659	-57	-0.9%
53.1%	6,521	6,523	2	0.0%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,930	2	0.0%
56.8%	5,620	5,619	-1	0.0%
58.0%	4,906	4,909	2	0.0%
59.3%	4,865	4,861	-5	-0.1%
60.5%	4,789	4,793	4	0.1%
61.7%	4,708	4,710	2	0.0%
63.0%	4,623	4,625	2	0.0%
64.2%	4,576	4,581	5	0.1%
65.4%	4,526	4,529	3	0.1%
66.7%	4,258	4,313	55	1.3%
67.9%	4,246	4,260	14	0.3%
69.1%	4,212	4,248	37	0.9%
70.4%	4,185	4,213	29	0.7%
71.6%	4,174	4,187	13	0.3%
72.8%	4,134	4,138	4	0.1%
74.1%	4,098	4,103	5	0.1%
75.3%	4,077	4,079	2	0.1%
76.5%	4,015	3,998	-18	-0.4%
77.8%	3,533	3,537	3	0.1%
79.0%	3,255	2,925	-330	-10.1%
80.2%	2,921	2,636	-284	-9.7%
81.5%	2,664	2,620	-44	-1.7%
82.7%	2,617	2,613	-4	-0.1%
84.0%	2,607	2,353	-254	-9.8%
85.2%	2,498	2,272	-226	-9.0%
86.4%	2,274	2,179	-95	-4.2%
87.7%	2,177	2,171	-6	-0.3%
88.9%	2,067	1,887	-181	-8.7%
90.1%	1,774	1,861	87	4.9%
91.4%	1,700	1,781	81	4.7%
92.6%	1,700	1,701	1	0.1%
93.8%	1,700	1,700	0	0.0%
95.1%	1,623	1,700	77	4.8%
96.3%	1,510	1,516	6	0.4%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,624	1	0.0%
1.2%	58,327	58,320	-8	0.0%
2.5%	47,905	49,866	1,961	4.1%
3.7%	43,551	42,887	-664	-1.5%
4.9%	36,124	36,129	5	0.0%
6.2%	34,670	34,670	1	0.0%
7.4%	34,052	34,054	2	0.0%
8.6%	30,904	30,921	18	0.1%
9.9%	29,602	29,490	-112	-0.4%
11.1%	29,379	29,380	1	0.0%
12.3%	29,112	29,112	1	0.0%
13.6%	27,685	27,685	0	0.0%
14.8%	26,133	26,120	-13	-0.1%
16.0%	23,868	23,869	0	0.0%
17.3%	22,317	22,319	3	0.0%
18.5%	21,899	21,902	3	0.0%
19.8%	19,914	19,923	9	0.0%
21.0%	19,913	19,915	1	0.0%
22.2%	19,061	19,065	4	0.0%
23.5%	18,950	18,936	-14	-0.1%
24.7%	18,575	18,577	1	0.0%
25.9%	17,103	17,780	677	4.0%
27.2%	16,988	16,989	2	0.0%
28.4%	16,206	16,984	778	4.8%
29.6%	15,564	16,830	1,266	8.1%
30.9%	14,770	16,205	1,435	9.7%
32.1%	14,586	14,767	181	1.2%
33.3%	14,523	14,588	64	0.4%
34.6%	14,058	14,571	513	3.7%
35.8%	13,952	13,935	-17	-0.1%
37.0%	12,919	12,920	2	0.0%
38.3%	12,187	12,184	-4	0.0%
39.5%	12,053	12,054	1	0.0%
40.7%	11,601	11,900	299	2.6%
42.0%	9,827	11,602	1,775	18.1%
43.2%	9,764	9,829	65	0.7%
44.4%	9,754	9,756	2	0.0%
45.7%	9,723	9,725	2	0.0%
46.9%	9,723	9,720	-3	0.0%
48.1%	8,104	9,375	1,271	15.7%
49.4%	7,766	8,556	790	10.2%
50.6%	7,532	8,102	571	7.6%
51.9%	7,377	7,763	386	5.2%
53.1%	7,190	7,380	191	2.7%
54.3%	6,907	7,194	286	4.1%
55.6%	6,816	6,814	-2	0.0%
56.8%	6,790	6,791	1	0.0%
58.0%	6,608	6,629	20	0.3%
59.3%	6,570	6,106	-464	-7.1%
60.5%	6,486	5,526	-961	-14.8%
61.7%	5,526	5,381	-145	-2.6%
63.0%	5,376	5,377	1	0.0%
64.2%	5,330	5,238	-92	-1.7%
65.4%	5,236	5,187	-48	-0.9%
66.7%	5,183	4,925	-258	-5.0%
67.9%	4,757	4,760	2	0.0%
69.1%	4,737	4,740	3	0.1%
70.4%	4,530	4,533	3	0.1%
71.6%	4,208	4,216	8	0.2%
72.8%	4,114	3,981	-133	-3.2%
74.1%	3,981	3,742	-239	-6.0%
75.3%	3,731	3,738	6	0.2%
76.5%	3,634	3,635	1	0.0%
77.8%	3,552	3,557	5	0.1%
79.0%	3,371	3,273	-98	-2.9%
80.2%	3,149	3,245	96	3.1%
81.5%	2,970	3,153	183	6.2%
82.7%	2,951	3,054	104	3.5%
84.0%	2,590	2,959	368	14.2%
85.2%	2,435	2,655	220	9.0%
86.4%	2,397	2,575	177	7.4%
87.7%	2,375	2,524	148	6.2%
88.9%	2,372	2,394	23	1.0%
90.1%	2,342	2,373	30	1.3%
91.4%	2,187	2,165	-23	-1.0%
92.6%	2,066	2,074	8	0.4%
93.8%	1,151	1,212	61	5.3%
95.1%	1,105	1,143	38	3.4%
96.3%	1,000	1,102	102	10.2%
97.5%	1,000	1,000	0	0.0%
98.8%	750	865	115	15.3%
100.0%	750	750	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,220	1	0.0%
1.2%	30,325	30,327	2	0.0%
2.5%	28,609	28,609	0	0.0%
3.7%	27,668	27,669	1	0.0%
4.9%	27,286	27,291	5	0.0%
6.2%	27,135	27,138	2	0.0%
7.4%	25,742	25,747	5	0.0%
8.6%	25,476	25,474	-2	0.0%
9.9%	21,671	21,669	-2	0.0%
11.1%	18,842	18,844	2	0.0%
12.3%	17,899	17,900	1	0.0%
13.6%	14,918	14,919	1	0.0%
14.8%	14,839	14,841	2	0.0%
16.0%	14,496	14,503	7	0.1%
17.3%	13,919	13,907	-12	-0.1%
18.5%	13,789	13,784	-5	0.0%
19.8%	13,312	13,312	0	0.0%
21.0%	12,756	12,762	6	0.0%
22.2%	11,275	11,276	1	0.0%
23.5%	10,608	10,608	0	0.0%
24.7%	9,858	9,855	-3	0.0%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,873	2	0.0%
28.4%	8,864	8,861	-2	0.0%
29.6%	8,375	8,375	0	0.0%
30.9%	8,121	8,118	-3	0.0%
32.1%	7,350	7,349	0	0.0%
33.3%	7,271	7,272	1	0.0%
34.6%	7,021	7,017	-4	-0.1%
35.8%	7,014	7,015	2	0.0%
37.0%	6,996	6,997	2	0.0%
38.3%	6,938	6,937	-1	0.0%
39.5%	6,925	6,928	2	0.0%
40.7%	6,726	6,725	-1	0.0%
42.0%	6,702	6,705	3	0.0%
43.2%	6,638	6,639	0	0.0%
44.4%	6,477	6,480	2	0.0%
45.7%	6,330	6,335	5	0.1%
46.9%	6,299	6,300	2	0.0%
48.1%	6,210	6,211	1	0.0%
49.4%	5,826	5,829	3	0.1%
50.6%	5,681	5,683	2	0.0%
51.9%	5,637	5,639	2	0.0%
53.1%	5,341	5,342	1	0.0%
54.3%	5,313	5,314	1	0.0%
55.6%	4,983	4,993	11	0.2%
56.8%	4,874	4,876	2	0.0%
58.0%	4,791	4,792	1	0.0%
59.3%	4,778	4,383	-395	-8.3%
60.5%	4,521	4,358	-163	-3.6%
61.7%	4,382	4,146	-236	-5.4%
63.0%	4,356	4,101	-255	-5.9%
64.2%	4,353	4,046	-307	-7.0%
65.4%	4,153	3,856	-297	-7.1%
66.7%	4,097	3,840	-257	-6.3%
67.9%	4,041	3,779	-262	-6.5%
69.1%	3,871	3,770	-101	-2.6%
70.4%	3,778	3,624	-155	-4.1%
71.6%	3,621	3,609	-12	-0.3%
72.8%	3,608	3,550	-58	-1.6%
74.1%	3,557	3,460	-97	-2.7%
75.3%	3,460	3,450	-10	-0.3%
76.5%	3,451	3,314	-137	-4.0%
77.8%	3,320	3,313	-7	-0.2%
79.0%	3,313	3,278	-35	-1.1%
80.2%	3,272	3,061	-212	-6.5%
81.5%	3,108	2,800	-308	-9.9%
82.7%	2,944	2,800	-144	-4.9%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2,800	0	0.0%
95.1%	2,800	2,800	0	0.0%
96.3%	2,571	2,711	140	5.5%
97.5%	2,416	2,571	155	6.4%
98.8%	2,251	2,152	-99	-4.4%
100.0%	1,082	967	-116	-10.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,947	34,946	-1	0.0%
1.2%	32,854	32,858	3	0.0%
2.5%	30,533	30,534	1	0.0%
3.7%	25,952	25,956	4	0.0%
4.9%	23,972	23,973	1	0.0%
6.2%	21,987	21,988	1	0.0%
7.4%	19,444	19,445	1	0.0%
8.6%	19,204	19,201	-3	0.0%
9.9%	17,934	17,936	1	0.0%
11.1%	17,385	17,386	1	0.0%
12.3%	16,041	16,041	0	0.0%
13.6%	15,943	15,943	0	0.0%
14.8%	14,149	14,146	-4	0.0%
16.0%	13,540	13,541	1	0.0%
17.3%	13,417	13,419	2	0.0%
18.5%	12,795	12,797	1	0.0%
19.8%	11,847	11,855	8	0.1%
21.0%	10,618	10,628	9	0.1%
22.2%	9,927	9,928	1	0.0%
23.5%	9,712	9,712	1	0.0%
24.7%	8,938	8,938	0	0.0%
25.9%	8,580	8,578	-3	0.0%
27.2%	8,569	8,568	-1	0.0%
28.4%	8,525	8,524	-1	0.0%
29.6%	7,206	8,368	1,162	16.1%
30.9%	7,045	7,047	2	0.0%
32.1%	6,012	6,012	1	0.0%
33.3%	6,010	6,009	-1	0.0%
34.6%	5,465	5,437	-29	-0.5%
35.8%	5,436	5,420	-16	-0.3%
37.0%	5,418	5,186	-233	-4.3%
38.3%	5,189	5,186	-3	-0.1%
39.5%	5,185	4,865	-320	-6.2%
40.7%	5,023	4,847	-176	-3.5%
42.0%	4,863	4,820	-43	-0.9%
43.2%	4,844	4,749	-95	-2.0%
44.4%	4,818	4,731	-87	-1.8%
45.7%	4,748	4,690	-59	-1.2%
46.9%	4,730	4,536	-194	-4.1%
48.1%	4,689	4,533	-156	-3.3%
49.4%	4,534	4,524	-10	-0.2%
50.6%	4,532	4,371	-161	-3.5%
51.9%	4,521	4,329	-193	-4.3%
53.1%	4,394	4,256	-138	-3.1%
54.3%	4,370	4,216	-154	-3.5%
55.6%	4,261	4,151	-110	-2.6%
56.8%	4,213	4,093	-119	-2.8%
58.0%	4,151	4,070	-80	-1.9%
59.3%	4,092	4,003	-89	-2.2%
60.5%	4,067	3,873	-194	-4.8%
61.7%	3,999	3,782	-217	-5.4%
63.0%	3,876	3,716	-160	-4.1%
64.2%	3,869	3,698	-171	-4.4%
65.4%	3,811	3,673	-139	-3.6%
66.7%	3,697	3,573	-124	-3.3%
67.9%	3,549	3,548	-1	0.0%
69.1%	3,454	3,452	-2	-0.1%
70.4%	3,345	3,348	3	0.1%
71.6%	3,203	3,283	80	2.5%
72.8%	3,165	3,213	48	1.5%
74.1%	3,109	3,207	98	3.2%
75.3%	2,949	2,913	-37	-1.2%
76.5%	2,911	2,825	-86	-3.0%
77.8%	2,824	2,800	-24	-0.9%
79.0%	2,800	2,800	0	0.0%
80.2%	2,800	2,800	0	0.0%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,548	-252	-9.0%
91.4%	2,770	2,335	-435	-15.7%
92.6%	2,681	2,182	-499	-18.6%
93.8%	2,634	2,182	-452	-17.2%
95.1%	2,546	2,027	-519	-20.4%
96.3%	2,182	1,562	-620	-28.4%
97.5%	1,968	1,488	-480	-24.4%
98.8%	1,000	1,000	0	0.0%
100.0%	750	750	0	0.0%

Table SW-23-3b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,601	0	0.0%
1.2%	22,426	22,427	1	0.0%
2.5%	19,254	19,257	3	0.0%
3.7%	18,975	19,027	52	0.3%
4.9%	18,580	18,579	-1	0.0%
6.2%	18,128	18,126	-2	0.0%
7.4%	17,594	17,596	2	0.0%
8.6%	12,458	12,921	463	3.7%
9.9%	12,431	12,729	298	2.4%
11.1%	11,983	12,480	496	4.1%
12.3%	10,791	11,286	495	4.6%
13.6%	10,322	10,405	83	0.8%
14.8%	9,132	9,133	1	0.0%
16.0%	9,051	9,075	24	0.3%
17.3%	8,538	8,666	127	1.5%
18.5%	8,197	8,555	358	4.4%
19.8%	8,073	8,081	8	0.1%
21.0%	7,491	7,949	458	6.1%
22.2%	7,260	6,998	-262	-3.6%
23.5%	7,034	6,571	-463	-6.6%
24.7%	6,986	6,414	-572	-8.2%
25.9%	6,397	6,258	-139	-2.2%
27.2%	6,105	6,219	115	1.9%
28.4%	5,991	6,208	216	3.6%
29.6%	5,905	6,111	206	3.5%
30.9%	5,715	5,912	197	3.4%
32.1%	5,617	5,705	89	1.6%
33.3%	5,581	5,705	125	2.2%
34.6%	5,578	5,582	3	0.1%
35.8%	5,363	5,574	211	3.9%
37.0%	5,291	5,405	114	2.2%
38.3%	5,276	5,334	59	1.1%
39.5%	5,075	5,263	188	3.7%
40.7%	5,075	5,193	118	2.3%
42.0%	5,005	5,183	177	3.5%
43.2%	4,890	5,172	282	5.8%
44.4%	4,880	5,151	271	5.6%
45.7%	4,853	5,122	269	5.5%
46.9%	4,852	5,099	247	5.1%
48.1%	4,682	5,098	416	8.9%
49.4%	4,654	5,052	399	8.6%
50.6%	4,551	5,018	466	10.2%
51.9%	4,391	4,996	605	13.8%
53.1%	4,363	4,988	625	14.3%
54.3%	4,356	4,973	617	14.2%
55.6%	4,334	4,872	538	12.4%
56.8%	4,279	4,779	500	11.7%
58.0%	4,273	4,673	400	9.4%
59.3%	4,258	4,670	413	9.7%
60.5%	4,248	4,640	392	9.2%
61.7%	4,172	4,598	426	10.2%
63.0%	4,163	4,576	413	9.9%
64.2%	4,161	4,324	163	3.9%
65.4%	3,987	4,153	166	4.2%
66.7%	3,801	4,105	304	8.0%
67.9%	3,773	4,082	308	8.2%
69.1%	3,738	4,037	299	8.0%
70.4%	3,734	4,020	286	7.7%
71.6%	3,696	3,981	285	7.7%
72.8%	3,688	3,961	272	7.4%
74.1%	3,587	3,847	260	7.2%
75.3%	3,585	3,807	222	6.2%
76.5%	3,563	3,714	151	4.2%
77.8%	3,497	3,675	179	5.1%
79.0%	3,491	3,519	28	0.8%
80.2%	3,441	3,394	-47	-1.4%
81.5%	3,413	3,249	-164	-4.8%
82.7%	3,382	3,236	-146	-4.3%
84.0%	3,342	3,123	-219	-6.5%
85.2%	3,324	3,086	-238	-7.2%
86.4%	3,263	2,914	-349	-10.7%
87.7%	3,231	2,913	-319	-9.9%
88.9%	3,209	2,842	-367	-11.4%
90.1%	3,122	2,800	-322	-10.3%
91.4%	3,059	2,679	-379	-12.4%
92.6%	3,007	2,650	-357	-11.9%
93.8%	2,861	2,524	-337	-11.8%
95.1%	2,697	2,336	-361	-13.4%
96.3%	2,650	2,210	-440	-16.6%
97.5%	1,495	1,894	399	26.7%
98.8%	1,000	1,864	864	86.4%
100.0%	750	854	104	13.9%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	11,088	-1,110	-9.1%
1.2%	11,117	10,897	-220	-2.0%
2.5%	10,932	10,887	-45	-0.4%
3.7%	10,891	10,881	-10	-0.1%
4.9%	10,791	10,738	-54	-0.5%
6.2%	10,697	10,695	-2	0.0%
7.4%	10,656	10,624	-31	-0.3%
8.6%	10,515	10,604	89	0.8%
9.9%	10,498	10,511	13	0.1%
11.1%	10,348	10,495	147	1.4%
12.3%	10,226	10,112	-114	-1.1%
13.6%	10,124	10,111	-13	-0.1%
14.8%	10,113	10,090	-23	-0.2%
16.0%	10,090	10,071	-19	-0.2%
17.3%	10,088	9,837	-251	-2.5%
18.5%	10,071	9,822	-249	-2.5%
19.8%	10,039	9,814	-224	-2.2%
21.0%	9,862	9,764	-98	-1.0%
22.2%	9,824	9,754	-70	-0.7%
23.5%	9,820	9,744	-75	-0.8%
24.7%	9,808	9,720	-88	-0.9%
25.9%	9,800	9,708	-93	-0.9%
27.2%	9,792	9,656	-136	-1.4%
28.4%	9,778	9,627	-150	-1.5%
29.6%	9,752	9,616	-136	-1.4%
30.9%	9,748	9,595	-153	-1.6%
32.1%	9,704	9,588	-116	-1.2%
33.3%	9,642	9,549	-94	-1.0%
34.6%	9,542	9,547	5	0.0%
35.8%	9,487	9,520	33	0.3%
37.0%	9,416	9,499	83	0.9%
38.3%	9,400	9,423	23	0.2%
39.5%	9,341	9,402	61	0.7%
40.7%	9,146	9,363	216	2.4%
42.0%	9,064	9,150	86	1.0%
43.2%	9,007	9,015	8	0.1%
44.4%	8,977	8,981	4	0.0%
45.7%	8,967	8,970	3	0.0%
46.9%	8,959	8,970	11	0.1%
48.1%	8,933	8,968	35	0.4%
49.4%	8,928	8,897	-31	-0.3%
50.6%	8,895	8,887	-8	-0.1%
51.9%	8,844	8,864	20	0.2%
53.1%	8,815	8,691	-124	-1.4%
54.3%	8,755	8,680	-75	-0.9%
55.6%	8,746	8,650	-96	-1.1%
56.8%	8,713	8,518	-195	-2.2%
58.0%	8,559	8,486	-73	-0.9%
59.3%	8,548	8,431	-116	-1.4%
60.5%	8,525	8,364	-161	-1.9%
61.7%	8,504	8,352	-152	-1.8%
63.0%	8,466	8,312	-154	-1.8%
64.2%	8,394	8,284	-110	-1.3%
65.4%	8,209	8,153	-55	-0.7%
66.7%	8,179	8,016	-163	-2.0%
67.9%	8,115	7,927	-188	-2.3%
69.1%	8,112	7,906	-207	-2.5%
70.4%	7,976	7,722	-254	-3.2%
71.6%	7,769	7,672	-97	-1.2%
72.8%	7,693	7,585	-108	-1.4%
74.1%	7,613	7,529	-84	-1.1%
75.3%	7,582	7,485	-97	-1.3%
76.5%	7,490	7,375	-115	-1.5%
77.8%	7,171	7,095	-76	-1.1%
79.0%	7,083	7,043	-40	-0.6%
80.2%	6,982	6,983	1	0.0%
81.5%	6,874	6,938	63	0.9%
82.7%	6,341	6,822	482	7.6%
84.0%	6,319	6,690	371	5.9%
85.2%	6,176	6,624	448	7.3%
86.4%	5,857	6,417	560	9.6%
87.7%	5,690	6,270	580	10.2%
88.9%	5,454	5,849	394	7.2%
90.1%	5,373	5,790	416	7.8%
91.4%	5,306	5,699	394	7.4%
92.6%	5,247	5,691	444	8.5%
93.8%	5,083	5,317	234	4.6%
95.1%	4,749	5,046	297	6.3%
96.3%	4,499	4,871	373	8.3%
97.5%	1,866	4,523	2,657	142.4%
98.8%	1,049	1,312	263	25.1%
100.0%	750	1,024	274	36.6%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,518	84	0.9%
1.2%	9,102	9,473	372	4.1%
2.5%	8,950	9,227	277	3.1%
3.7%	8,607	8,941	334	3.9%
4.9%	8,582	8,835	252	2.9%
6.2%	8,566	8,679	114	1.3%
7.4%	8,532	8,658	126	1.5%
8.6%	8,502	8,640	138	1.6%
9.9%	8,449	8,560	111	1.3%
11.1%	8,327	8,536	209	2.5%
12.3%	8,313	8,375	62	0.7%
13.6%	8,296	8,351	55	0.7%
14.8%	8,256	8,349	93	1.1%
16.0%	8,253	8,345	92	1.1%
17.3%	8,129	8,288	158	1.9%
18.5%	7,984	8,257	274	3.4%
19.8%	7,955	7,941	-15	-0.2%
21.0%	7,940	7,904	-37	-0.5%
22.2%	7,918	7,885	-32	-0.4%
23.5%	7,909	7,836	-72	-0.9%
24.7%	7,886	7,825	-61	-0.8%
25.9%	7,865	7,824	-41	-0.5%
27.2%	7,859	7,813	-46	-0.6%
28.4%	7,771	7,655	-115	-1.5%
29.6%	7,760	7,602	-158	-2.0%
30.9%	7,744	7,541	-203	-2.6%
32.1%	7,577	7,465	-113	-1.5%
33.3%	7,528	7,439	-89	-1.2%
34.6%	7,395	7,402	7	0.1%
35.8%	7,358	7,382	24	0.3%
37.0%	7,337	7,263	-74	-1.0%
38.3%	7,308	7,194	-115	-1.6%
39.5%	7,231	7,105	-126	-1.7%
40.7%	7,150	7,095	-55	-0.8%
42.0%	7,104	7,025	-78	-1.1%
43.2%	7,080	6,972	-109	-1.5%
44.4%	6,989	6,878	-111	-1.6%
45.7%	6,897	6,498	-399	-5.8%
46.9%	6,890	6,487	-403	-5.8%
48.1%	6,804	6,431	-372	-5.5%
49.4%	6,798	6,329	-469	-6.9%
50.6%	6,796	6,190	-606	-8.9%
51.9%	6,795	6,132	-664	-9.8%
53.1%	6,735	6,054	-681	-10.1%
54.3%	6,663	5,941	-723	-10.8%
55.6%	6,661	5,821	-840	-12.6%
56.8%	6,541	5,636	-905	-13.8%
58.0%	6,468	5,552	-916	-14.2%
59.3%	6,400	5,470	-930	-14.5%
60.5%	6,197	5,454	-743	-12.0%
61.7%	6,172	5,279	-893	-14.5%
63.0%	6,000	5,108	-892	-14.9%
64.2%	5,783	5,064	-718	-12.4%
65.4%	5,404	5,008	-396	-7.3%
66.7%	4,998	4,986	-12	-0.2%
67.9%	4,794	4,957	163	3.4%
69.1%	4,773	4,888	115	2.4%
70.4%	4,759	4,873	114	2.4%
71.6%	4,729	4,864	136	2.9%
72.8%	4,446	4,827	381	8.6%
74.1%	4,257	4,804	547	12.9%
75.3%	4,064	4,697	633	15.6%
76.5%	3,810	4,690	881	23.1%
77.8%	3,739	4,618	879	23.5%
79.0%	3,632	4,496	864	23.8%
80.2%	3,300	4,474	1,174	35.6%
81.5%	3,300	4,362	1,062	32.2%
82.7%	3,300	4,230	930	28.2%
84.0%	3,269	3,651	382	11.7%
85.2%	2,959	3,615	656	22.2%
86.4%	2,553	3,602	1,049	41.1%
87.7%	2,536	3,541	1,006	39.7%
88.9%	2,459	3,494	1,035	42.1%
90.1%	1,943	3,159	1,216	62.6%
91.4%	1,885	2,156	272	14.4%
92.6%	1,842	1,434	-407	-22.1%
93.8%	1,711	1,154	-557	-32.5%
95.1%	1,317	1,152	-165	-12.6%
96.3%	1,241	964	-277	-22.3%
97.5%	1,228	920	-308	-25.1%
98.8%	1,190	883	-307	-25.8%
100.0%	750	878	128	17.1%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,642	12,767	125	1.0%
1.2%	12,413	12,424	11	0.1%
2.5%	12,149	12,388	239	2.0%
3.7%	12,020	12,074	54	0.4%
4.9%	11,877	12,048	171	1.4%
6.2%	11,870	11,868	-2	0.0%
7.4%	11,813	11,772	-41	-0.3%
8.6%	11,685	11,751	67	0.6%
9.9%	11,526	11,751	225	2.0%
11.1%	11,507	11,507	0	0.0%
12.3%	11,501	11,488	-13	-0.1%
13.6%	11,405	11,422	17	0.2%
14.8%	11,390	11,369	-21	-0.2%
16.0%	11,337	11,330	-6	-0.1%
17.3%	11,110	11,325	214	1.9%
18.5%	11,048	11,296	248	2.2%
19.8%	10,904	11,216	311	2.9%
21.0%	10,673	10,996	323	3.0%
22.2%	10,038	10,917	879	8.8%
23.5%	9,886	10,655	770	7.8%
24.7%	9,864	10,426	562	5.7%
25.9%	9,611	10,091	480	5.0%
27.2%	9,321	9,997	675	7.2%
28.4%	9,283	9,885	602	6.5%
29.6%	9,283	9,844	561	6.0%
30.9%	9,090	9,648	558	6.1%
32.1%	9,090	9,423	333	3.7%
33.3%	8,888	9,318	430	4.8%
34.6%	8,765	9,287	522	6.0%
35.8%	8,666	9,217	551	6.4%
37.0%	8,460	8,994	534	6.3%
38.3%	8,322	8,813	490	5.9%
39.5%	7,992	8,542	550	6.9%
40.7%	7,605	8,168	563	7.4%
42.0%	7,367	7,589	222	3.0%
43.2%	7,298	7,556	258	3.5%
44.4%	7,122	6,253	-870	-12.2%
45.7%	6,626	5,939	-687	-10.4%
46.9%	5,496	5,892	396	7.2%
48.1%	5,244	5,786	541	10.3%
49.4%	5,135	5,763	628	12.2%
50.6%	5,093	5,500	407	8.0%
51.9%	4,966	5,428	462	9.3%
53.1%	4,942	5,395	454	9.2%
54.3%	4,928	5,331	403	8.2%
55.6%	4,903	5,301	398	8.1%
56.8%	4,885	5,060	175	3.6%
58.0%	4,779	5,055	276	5.8%
59.3%	4,777	5,037	260	5.4%
60.5%	4,757	5,024	267	5.6%
61.7%	4,681	4,847	166	3.5%
63.0%	4,623	4,787	163	3.5%
64.2%	4,537	4,770	233	5.1%
65.4%	4,407	4,752	345	7.8%
66.7%	4,290	4,506	216	5.0%
67.9%	4,289	4,376	88	2.0%
69.1%	4,270	4,322	52	1.2%
70.4%	4,223	4,218	-6	-0.1%
71.6%	4,013	4,094	81	2.0%
72.8%	3,962	3,945	-17	-0.4%
74.1%	3,922	3,860	-63	-1.6%
75.3%	3,569	3,841	272	7.6%
76.5%	3,329	3,817	488	14.7%
77.8%	3,169	3,704	534	16.9%
79.0%	3,036	3,618	582	19.2%
80.2%	2,960	3,559	598	20.2%
81.5%	2,940	3,279	339	11.5%
82.7%	2,657	3,264	607	22.8%
84.0%	2,627	3,160	532	20.3%
85.2%	2,569	2,723	153	6.0%
86.4%	2,566	2,708	142	5.5%
87.7%	2,565	2,628	63	2.5%
88.9%	2,564	2,570	6	0.2%
90.1%	2,562	2,568	6	0.3%
91.4%	2,557	2,563	6	0.3%
92.6%	2,525	2,559	34	1.4%
93.8%	2,473	1,493	-980	-39.6%
95.1%	1,493	1,270	-222	-14.9%
96.3%	1,199	1,196	-2	-0.2%
97.5%	1,183	1,183	0	0.0%
98.8%	1,060	1,117	56	5.3%
100.0%	992	1,062	70	7.0%

Table SW-24-3a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative A	495	454	460	477	498	602	724	844	816	698	605	518
Difference	18	19	13	10	10	7	5	4	6	32	23	22
Percent Difference[3]	3.9%	4.4%	2.9%	2.2%	2.1%	1.2%	0.7%	0.5%	0.8%	4.7%	4.0%	4.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative A	604	520	514	520	505	634	792	964	960	884	769	623
Difference	14	15	9	0	0	0	0	0	-1	17	8	23
Percent Difference	2.3%	2.9%	1.8%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.9%	1.0%	3.9%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative A	552	499	508	522	537	649	796	966	943	779	685	585
Difference	25	25	16	7	4	0	0	0	4	35	23	26
Percent Difference	4.7%	5.3%	3.2%	1.3%	0.7%	0.0%	0.0%	0.0%	0.5%	4.7%	3.5%	4.7%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative A	573	517	509	503	546	643	787	923	904	756	664	589
Difference	15	9	5	3	8	8	-1	-4	-3	71	55	24
Percent Difference	2.8%	1.7%	1.0%	0.7%	1.5%	1.3%	-0.1%	-0.5%	-0.4%	10.3%	9.0%	4.3%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative A	421	428	430	448	511	610	718	789	719	567	485	450
Difference	30	32	20	19	16	9	14	12	11	27	33	29
Percent Difference	7.8%	8.1%	5.0%	4.3%	3.3%	1.4%	1.9%	1.5%	1.6%	5.0%	7.4%	7.0%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative A	223	229	285	347	365	423	441	452	418	342	278	243
Difference	8	14	16	31	31	27	16	14	27	22	4	5
Percent Difference	3.9%	6.7%	5.9%	9.9%	9.3%	6.7%	3.9%	3.3%	6.9%	6.9%	1.6%	1.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

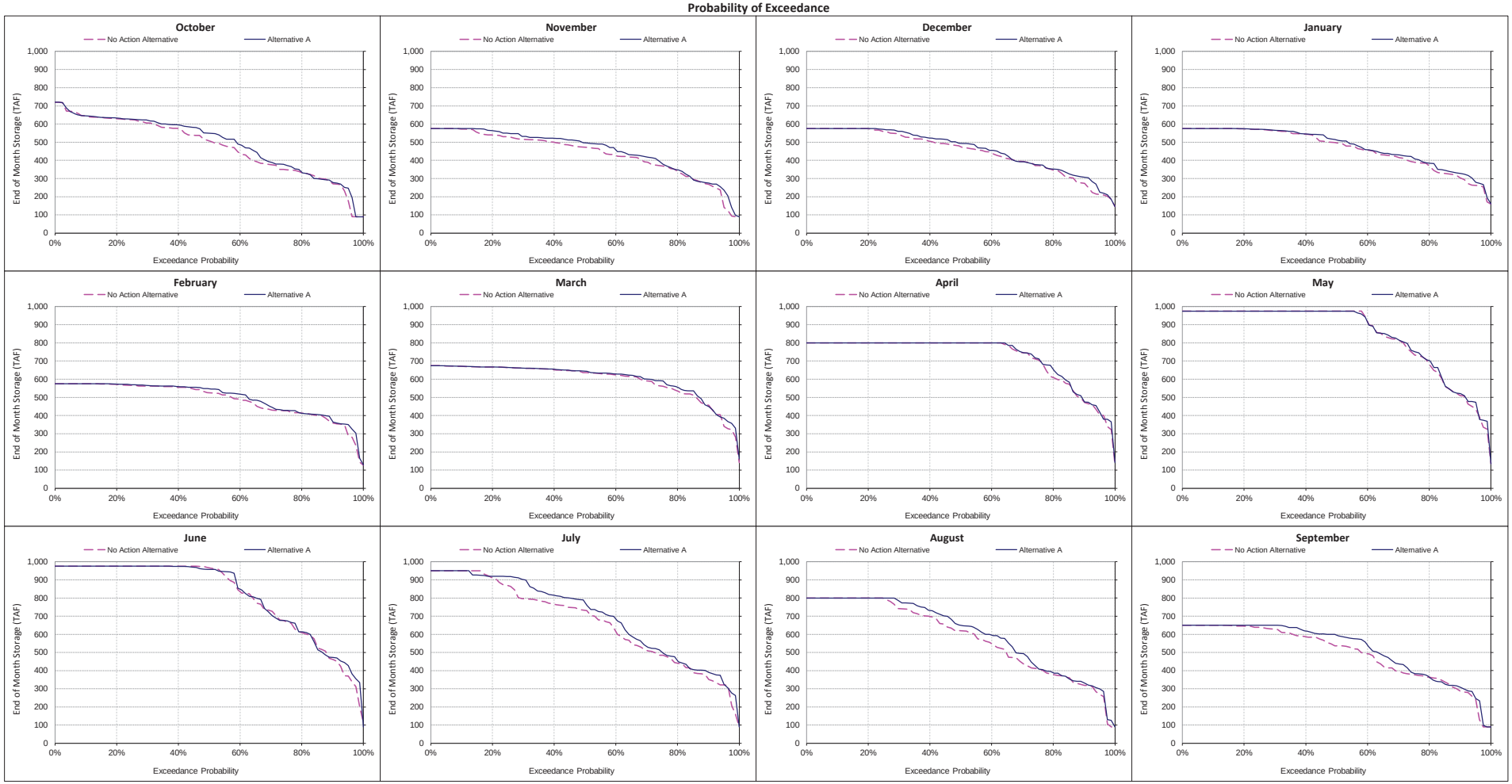

Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	720	720	0	0.0%
1.2%	720	720	0	0.0%
2.5%	718	718	0	0.0%
3.7%	671	688	17	2.5%
4.9%	670	668	-2	-0.2%
6.2%	668	659	-9	-1.4%
7.4%	659	651	-8	-1.2%
8.6%	646	647	1	0.1%
9.9%	645	644	0	0.0%
11.1%	639	644	5	0.8%
12.3%	638	642	4	0.6%
13.6%	638	640	1	0.2%
14.8%	638	636	-2	-0.3%
16.0%	634	636	1	0.2%
17.3%	633	635	2	0.4%
18.5%	631	635	3	0.6%
19.8%	630	634	5	0.8%
21.0%	628	631	4	0.6%
22.2%	626	629	3	0.4%
23.5%	624	628	4	0.6%
24.7%	624	626	3	0.4%
25.9%	623	626	3	0.5%
27.2%	615	625	10	1.6%
28.4%	613	623	10	1.6%
29.6%	605	622	17	2.8%
30.9%	605	617	12	1.9%
32.1%	599	616	17	2.8%
33.3%	592	608	16	2.6%
34.6%	581	600	19	3.2%
35.8%	581	600	19	3.3%
37.0%	579	597	19	3.2%
38.3%	577	596	19	3.4%
39.5%	576	596	20	3.4%
40.7%	574	593	19	3.3%
42.0%	551	588	37	6.7%
43.2%	540	585	45	8.3%
44.4%	539	582	43	7.9%
45.7%	538	580	43	7.9%
46.9%	537	574	37	6.9%
48.1%	518	551	34	6.5%
49.4%	510	550	39	7.7%
50.6%	504	549	45	8.9%
51.9%	496	548	52	10.5%
53.1%	494	540	46	9.3%
54.3%	485	526	41	8.5%
55.6%	477	517	39	8.2%
56.8%	473	516	43	9.1%
58.0%	471	516	45	9.6%
59.3%	446	489	43	9.6%
60.5%	433	484	51	11.8%
61.7%	430	470	39	9.2%
63.0%	411	467	56	13.7%
64.2%	400	455	55	13.8%
65.4%	393	444	51	13.1%
66.7%	384	415	31	8.0%
67.9%	382	403	21	5.5%
69.1%	378	394	16	4.2%
70.4%	376	388	12	3.3%
71.6%	372	380	7	2.0%
72.8%	350	379	29	8.3%
74.1%	350	379	29	8.2%
75.3%	348	372	24	6.8%
76.5%	347	366	19	5.4%
77.8%	345	354	9	2.6%
79.0%	339	350	11	3.2%
80.2%	331	330	-1	-0.3%
81.5%	328	329	0	0.1%
82.7%	323	321	-2	-0.6%
84.0%	315	300	-15	-4.7%
85.2%	303	299	-4	-1.4%
86.4%	298	296	-2	-0.8%
87.7%	297	294	-4	-1.2%
88.9%	288	291	3	1.2%
90.1%	270	277	7	2.6%
91.4%	269	275	6	2.1%
92.6%	267	270	3	1.2%
93.8%	232	252	20	8.5%
95.1%	177	248	71	40.1%
96.3%	90	195	105	116.9%
97.5%	90	90	0	0.0%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	572	575	3	0.5%
11.1%	572	575	3	0.5%
12.3%	571	575	4	0.7%
13.6%	570	575	5	0.9%
14.8%	556	574	19	3.3%
16.0%	547	574	27	4.9%
17.3%	543	572	29	5.3%
18.5%	541	566	25	4.6%
19.8%	540	564	24	4.4%
21.0%	539	561	22	4.1%
22.2%	537	559	21	4.0%
23.5%	531	551	19	3.7%
24.7%	530	550	20	3.8%
25.9%	528	547	19	3.6%
27.2%	522	547	25	4.8%
28.4%	517	547	29	5.6%
29.6%	517	532	16	3.0%
30.9%	516	531	16	3.1%
32.1%	513	527	13	2.6%
33.3%	513	526	13	2.4%
34.6%	512	526	14	2.7%
35.8%	511	525	14	2.7%
37.0%	508	522	14	2.7%
38.3%	502	522	20	4.0%
39.5%	501	522	20	4.1%
40.7%	497	521	24	4.8%
42.0%	495	521	26	5.3%
43.2%	487	516	29	6.0%
44.4%	486	513	27	5.6%
45.7%	481	513	32	6.6%
46.9%	478	509	32	6.6%
48.1%	474	507	32	6.8%
49.4%	473	497	24	5.1%
50.6%	472	495	23	5.0%
51.9%	468	493	25	5.3%
53.1%	466	491	25	5.3%
54.3%	465	490	24	5.2%
55.6%	448	490	42	9.3%
56.8%	436	483	47	10.8%
58.0%	433	471	38	8.7%
59.3%	433	470	38	8.7%
60.5%	424	448	24	5.8%
61.7%	422	448	25	6.0%
63.0%	421	441	19	4.6%
64.2%	419	432	12	3.0%
65.4%	417	429	12	3.0%
66.7%	416	428	12	3.0%
67.9%	407	425	18	4.5%
69.1%	393	422	29	7.4%
70.4%	390	417	27	6.9%
71.6%	377	415	37	9.9%
72.8%	373	410	36	9.8%
74.1%	372	396	24	6.4%
75.3%	369	379	10	2.6%
76.5%	366	369	3	0.9%
77.8%	354	361	7	1.9%
79.0%	351	350	-1	-0.3%
80.2%	336	348	12	3.7%
81.5%	326	339	13	4.1%
82.7%	312	324	13	4.1%
84.0%	311	312	1	0.3%
85.2%	294	291	-3	-1.0%
86.4%	290	285	-4	-1.5%
87.7%	278	282	4	1.4%
88.9%	272	278	6	2.4%
90.1%	268	274	7	2.5%
91.4%	256	270	13	5.2%
92.6%	247	269	22	8.9%
93.8%	237	256	19	8.0%
95.1%	141	237	96	67.8%
96.3%	124	206	82	66.5%
97.5%	94	141	47	50.4%
98.8%	90	98	8	8.5%
100.0%	90	90	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	575	575	0	0.0%
19.8%	575	575	0	0.0%
21.0%	572	575	3	0.5%
22.2%	567	575	8	1.4%
23.5%	567	572	5	0.9%
24.7%	560	571	10	1.8%
25.9%	558	568	10	1.8%
27.2%	551	568	18	3.2%
28.4%	549	567	18	3.3%
29.6%	548	560	12	2.3%
30.9%	536	560	24	4.4%
32.1%	528	554	27	5.0%
33.3%	527	549	22	4.2%
34.6%	520	539	19	3.7%
35.8%	518	538	20	3.9%
37.0%	518	529	11	2.1%
38.3%	515	528	13	2.4%
39.5%	507	524	17	3.4%
40.7%	502	522	20	4.0%
42.0%	495	518	23	4.7%
43.2%	493	518	25	5.0%
44.4%	493	517	24	4.8%
45.7%	490	514	24	4.9%
46.9%	485	503	18	3.7%
48.1%	483	502	19	4.0%
49.4%	481	495	14	2.9%
50.6%	470	493	23	4.9%
51.9%	469	492	23	4.9%
53.1%	464	490	26	5.5%
54.3%	462	487	25	5.4%
55.6%	457	469	12	2.7%
56.8%	455	468	13	2.8%
58.0%	448	466	18	4.1%
59.3%	446	455	9	2.1%
60.5%	436	455	19	4.5%
61.7%	427	451	24	5.7%
63.0%	421	439	18	4.2%
64.2%	414	435	22	5.2%
65.4%	409	421	12	2.9%
66.7%	404	403	-2	-0.4%
67.9%	396	395	-1	-0.2%
69.1%	395	393	-2	-0.5%
70.4%	394	392	-2	-0.5%
71.6%	389	388	-1	-0.3%
72.8%	388	383	-5	-1.3%
74.1%	372	377	5	1.4%
75.3%	371	375	4	1.1%
76.5%	367	373	7	1.8%
77.8%	358	358	0	0.0%
79.0%	352	354	1	0.4%
80.2%	345	352	7	2.0%
81.5%	343	350	7	2.0%
82.7%	329	345	17	5.1%
84.0%	308	335	27	8.6%
85.2%	305	326	21	6.9%
86.4%	302	318	16	5.3%
87.7%	277	313	36	13.1%
88.9%	277	309	33	11.9%
90.1%	273	307	34	12.6%
91.4%	250	305	55	22.2%
92.6%	224	283	60	26.6%
93.8%	215	270	55	25.7%
95.1%	213	225	12	5.6%
96.3%	210	219	9	4.4%
97.5%	203	210	7	3.6%
98.8%	186	186	0	0.0%
100.0%	146	146	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	574	575	1	0.2%
19.8%	574	574	0	0.0%
21.0%	572	573	1	0.2%
22.2%	571	572	1	0.2%
23.5%	571	571	0	0.0%
24.7%	571	571	0	0.0%
25.9%	570	571	1	0.2%
27.2%	568	570	2	0.4%
28.4%	566	568	2	0.4%
29.6%	564	566	2	0.4%
30.9%	562	566	4	0.7%
32.1%	560	564	4	0.7%
33.3%	560	562	2	0.4%
34.6%	554	560	6	1.1%
35.8%	547	560	13	2.3%
37.0%	547	554	7	1.3%
38.3%	545	547	2	0.3%
39.5%	544	546	2	0.4%
40.7%	543	544	1	0.2%
42.0%	540	543	3	0.6%
43.2%	527	542	16	3.0%
44.4%	507	541	34	6.8%
45.7%	505	540	35	6.9%
46.9%	502	523	21	4.2%
48.1%	500	517	17	3.4%
49.4%	498	515	16	3.3%
50.6%	494	510	16	3.2%
51.9%	492	507	15	3.1%
53.1%	479	507	27	5.7%
54.3%	479	492	13	2.7%
55.6%	478	490	12	2.4%
56.8%	465	480	15	3.2%
58.0%	460	472	12	2.5%
59.3%	456	460	4	0.9%
60.5%	454	458	3	0.8%
61.7%	452	454	2	0.4%
63.0%	437	450	13	2.9%
64.2%	431	443	12	2.7%
65.4%	430	439	9	2.1%
66.7%	428	439	11	2.5%
67.9%	426	432	6	1.4%
69.1%	422	431	9	2.1%
70.4%	415	430	15	3.6%
71.6%	412	426	14	3.5%
72.8%	400	423	23	5.7%
74.1%	394	422	28	7.1%
75.3%	390	408	18	4.6%
76.5%	387	403	16	4.2%
77.8%	385	392	7	1.9%
79.0%	384	387	3	0.8%
80.2%	366	384	18	5.0%
81.5%	345	382	38	10.9%
82.7%	333	351	18	5.3%
84.0%	330	349	19	5.9%
85.2%	328	344	16	5.0%
86.4%	325	340	15	4.7%
87.7%	323	335	12	3.6%
88.9%	317	331	14	4.5%
90.1%	303	328	25	8.4%
91.4%	294	324	30	10.3%
92.6%	272	317	45	16.6%
93.8%	263	302	39	14.9%
95.1%	263	279	16	6.2%
96.3%	261	273	12	4.5%
97.5%	254	266	12	4.8%
98.8%	172	194	21	12.4%
100.0%	159	161	1	0.9%

Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	574	575	1	0.2%
16.0%	574	575	1	0.2%
17.3%	574	575	1	0.2%
18.5%	572	574	2	0.3%
19.8%	572	574	2	0.3%
21.0%	570	573	3	0.5%
22.2%	568	572	4	0.7%
23.5%	566	572	6	1.1%
24.7%	566	570	4	0.7%
25.9%	566	570	4	0.7%
27.2%	563	568	5	0.9%
28.4%	563	568	5	0.8%
29.6%	563	566	3	0.5%
30.9%	563	566	3	0.5%
32.1%	562	563	1	0.2%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	563	4	0.7%
37.0%	559	562	3	0.5%
38.3%	559	562	3	0.5%
39.5%	556	560	4	0.7%
40.7%	556	559	3	0.5%
42.0%	555	559	4	0.7%
43.2%	554	556	2	0.4%
44.4%	548	556	8	1.5%
45.7%	544	555	11	2.1%
46.9%	543	554	11	2.0%
48.1%	533	548	16	2.9%
49.4%	526	548	22	4.2%
50.6%	525	546	21	4.1%
51.9%	524	546	22	4.2%
53.1%	522	543	21	4.0%
54.3%	514	526	12	2.4%
55.6%	513	524	11	2.1%
56.8%	504	523	19	3.8%
58.0%	493	522	29	5.9%
59.3%	491	519	29	5.8%
60.5%	484	516	32	6.7%
61.7%	484	513	29	6.0%
63.0%	478	490	12	2.4%
64.2%	471	484	13	2.8%
65.4%	451	484	33	7.4%
66.7%	443	478	35	8.0%
67.9%	437	468	31	7.1%
69.1%	435	455	20	4.7%
70.4%	430	445	16	3.7%
71.6%	429	434	5	1.1%
72.8%	429	433	4	1.0%
74.1%	427	429	2	0.5%
75.3%	427	429	2	0.5%
76.5%	417	428	11	2.5%
77.8%	416	427	11	2.6%
79.0%	416	416	0	0.0%
80.2%	413	412	-1	-0.1%
81.5%	412	411	-1	-0.3%
82.7%	408	408	0	0.0%
84.0%	404	407	3	0.7%
85.2%	400	406	6	1.5%
86.4%	400	404	4	1.1%
87.7%	386	400	13	3.5%
88.9%	370	397	27	7.4%
90.1%	359	364	5	1.5%
91.4%	355	359	4	1.2%
92.6%	353	354	1	0.4%
93.8%	350	353	3	0.9%
95.1%	289	350	61	21.1%
96.3%	281	326	45	15.9%
97.5%	236	302	66	28.0%
98.8%	144	165	21	14.6%
100.0%	127	129	2	1.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	675	675	0	0.0%
1.2%	675	675	0	0.0%
2.5%	675	675	0	0.0%
3.7%	675	675	0	0.0%
4.9%	673	673	0	0.0%
6.2%	673	673	0	0.0%
7.4%	673	673	0	0.0%
8.6%	672	672	0	0.0%
9.9%	672	672	0	0.0%
11.1%	670	672	2	0.3%
12.3%	669	670	1	0.1%
13.6%	669	669	0	0.0%
14.8%	668	669	1	0.1%
16.0%	668	668	0	0.0%
17.3%	667	668	1	0.1%
18.5%	667	667	0	0.0%
19.8%	667	667	0	0.0%
21.0%	667	667	0	0.0%
22.2%	667	667	0	0.0%
23.5%	666	666	0	0.0%
24.7%	664	664	0	0.0%
25.9%	664	664	0	0.0%
27.2%	662	663	1	0.1%
28.4%	662	662	0	0.0%
29.6%	661	662	1	0.2%
30.9%	660	661	1	0.1%
32.1%	660	661	1	0.1%
33.3%	659	660	1	0.2%
34.6%	658	659	1	0.2%
35.8%	657	658	1	0.2%
37.0%	656	657	1	0.2%
38.3%	656	656	0	0.0%
39.5%	653	656	3	0.5%
40.7%	650	653	3	0.5%
42.0%	650	651	2	0.2%
43.2%	647	651	4	0.6%
44.4%	647	650	3	0.5%
45.7%	647	647	0	0.0%
46.9%	646	647	1	0.2%
48.1%	645	646	1	0.2%
49.4%	637	645	8	1.3%
50.6%	636	643	7	1.1%
51.9%	634	637	3	0.5%
53.1%	634	635	1	0.2%
54.3%	633	634	2	0.3%
55.6%	629	634	5	0.8%
56.8%	628	634	6	1.0%
58.0%	628	632	4	0.7%
59.3%	625	629	4	0.6%
60.5%	622	628	6	1.0%
61.7%	621	628	7	1.1%
63.0%	617	625	8	1.3%
64.2%	615	622	7	1.1%
65.4%	615	621	6	1.0%
66.7%	612	615	3	0.5%
67.9%	600	615	15	2.5%
69.1%	592	602	10	1.7%
70.4%	590	600	10	1.7%
71.6%	588	599	10	1.8%
72.8%	566	592	26	4.6%
74.1%	564	592	28	5.0%
75.3%	561	590	29	5.2%
76.5%	554	570	16	2.8%
77.8%	551	564	13	2.3%
79.0%	542	561	19	3.6%
80.2%	533	554	21	3.9%
81.5%	520	541	21	4.1%
82.7%	520	538	19	3.6%
84.0%	519	536	17	3.3%
85.2%	512	536	23	4.6%
86.4%	492	509	17	3.4%
87.7%	470	492	22	4.7%
88.9%	464	460	-4	-0.9%
90.1%	456	449	-6	-1.4%
91.4%	428	432	4	0.9%
92.6%	406	405	0	-0.1%
93.8%	405	392	-13	-3.3%
95.1%	341	385	44	12.9%
96.3%	328	367	39	11.9%
97.5%	322	357	35	10.9%
98.8%	282	330	48	17.2%
100.0%	141	162	21	14.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	792	800	8	1.1%
65.4%	785	785	0	0.0%
66.7%	766	785	20	2.6%
67.9%	757	765	8	1.0%
69.1%	747	753	7	0.9%
70.4%	745	746	1	0.1%
71.6%	744	744	0	0.0%
72.8%	718	739	21	2.9%
74.1%	712	717	5	0.8%
75.3%	705	712	7	1.0%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	677	61	9.9%
80.2%	607	647	40	6.6%
81.5%	597	625	28	4.6%
82.7%	596	615	19	3.2%
84.0%	578	596	18	3.1%
85.2%	572	584	12	2.0%
86.4%	536	531	-4	-0.8%
87.7%	506	517	11	2.2%
88.9%	497	509	13	2.6%
90.1%	472	475	3	0.7%
91.4%	464	473	9	1.9%
92.6%	460	460	-1	-0.2%
93.8%	434	455	22	5.1%
95.1%	403	418	16	3.9%
96.3%	400	380	-19	-4.9%
97.5%	339	380	41	12.1%
98.8%	322	365	43	13.4%
100.0%	128	140	12	9.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	975	0	0.0%
46.9%	975	975	0	0.0%
48.1%	975	975	0	0.0%
49.4%	975	975	0	0.0%
50.6%	975	975	0	0.0%
51.9%	975	975	0	0.0%
53.1%	975	975	0	0.0%
54.3%	975	975	0	0.0%
55.6%	975	975	0	0.0%
56.8%	975	965	-10	-1.0%
58.0%	975	960	-15	-1.6%
59.3%	943	943	0	0.0%
60.5%	898	898	0	0.0%
61.7%	893	892	-2	-0.2%
63.0%	857	856	-1	-0.2%
64.2%	854	853	-1	-0.2%
65.4%	837	852	16	1.9%
66.7%	830	843	13	1.6%
67.9%	821	831	10	1.2%
69.1%	820	826	6	0.8%
70.4%	813	814	1	0.2%
71.6%	800	805	5	0.7%
72.8%	770	798	28	3.6%
74.1%	752	759	8	1.0%
75.3%	733	752	19	2.6%
76.5%	730	746	16	2.2%
77.8%	723	724	1	0.1%
79.0%	708	708	0	0.0%
80.2%	678	701	23	3.4%
81.5%	649	664	16	2.4%
82.7%	638	664	26	4.1%
84.0%	608	612	4	0.7%
85.2%	560	562	2	0.3%
86.4%	547	547	0	0.0%
87.7%	534	530	-4	-0.7%
88.9%	522	524	2	0.4%
90.1%	509	521	12	2.3%
91.4%	508	510	2	0.4%
92.6%	464	478	14	3.0%
93.8%	451	477	26	5.8%
95.1%	437	473	37	8.4%
96.3%	393	378	-16	-3.9%
97.5%	337	374	37	10.9%
98.8%	325	368	44	13.5%
100.0%	135	135	-1	-0.5%

Table SW-24-3b
Folsom Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	-0.1%
42.0%	975	974	-1	-0.1%
43.2%	975	973	-2	-0.2%
44.4%	975	970	-5	-0.5%
45.7%	975	969	-6	-0.6%
46.9%	974	962	-12	-1.3%
48.1%	973	959	-15	-1.5%
49.4%	969	958	-10	-1.1%
50.6%	964	958	-6	-0.6%
51.9%	960	957	-2	-0.2%
53.1%	957	947	-10	-1.1%
54.3%	937	947	9	1.0%
55.6%	914	944	30	3.3%
56.8%	895	943	48	5.3%
58.0%	885	937	52	5.9%
59.3%	845	854	9	1.1%
60.5%	828	845	17	2.0%
61.7%	827	825	-2	-0.2%
63.0%	823	809	-14	-1.7%
64.2%	798	807	9	1.1%
65.4%	771	798	27	3.5%
66.7%	766	793	27	3.6%
67.9%	735	742	7	0.9%
69.1%	733	725	-9	-1.2%
70.4%	726	703	-23	-3.2%
71.6%	703	689	-14	-1.9%
72.8%	679	677	-2	-0.2%
74.1%	676	677	1	0.2%
75.3%	667	673	6	0.9%
76.5%	661	666	5	0.7%
77.8%	628	661	33	5.2%
79.0%	614	614	0	-0.1%
80.2%	608	613	5	0.9%
81.5%	600	609	9	1.5%
82.7%	595	600	5	0.8%
84.0%	576	559	-18	-3.1%
85.2%	524	514	-10	-1.9%
86.4%	517	504	-14	-2.6%
87.7%	507	486	-21	-4.2%
88.9%	468	474	6	1.3%
90.1%	461	472	11	2.4%
91.4%	451	470	19	4.3%
92.6%	423	453	29	7.0%
93.8%	371	445	73	19.8%
95.1%	370	428	58	15.7%
96.3%	338	382	44	12.9%
97.5%	311	355	44	14.2%
98.8%	201	334	133	66.1%
100.0%	113	90	-23	-20.1%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	950	950	0	0.0%
1.2%	950	950	0	0.0%
2.5%	950	950	0	0.0%
3.7%	950	950	0	0.0%
4.9%	950	950	0	0.0%
6.2%	950	950	0	0.0%
7.4%	950	950	0	0.0%
8.6%	950	950	0	0.0%
9.9%	950	950	0	0.0%
11.1%	950	950	0	0.0%
12.3%	950	950	0	0.0%
13.6%	950	927	-23	-2.5%
14.8%	950	926	-24	-2.5%
16.0%	950	925	-25	-2.7%
17.3%	933	924	-8	-0.9%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	919	11	1.3%
22.2%	886	919	34	3.8%
23.5%	874	919	45	5.2%
24.7%	871	918	48	5.5%
25.9%	864	918	54	6.3%
27.2%	845	914	69	8.2%
28.4%	802	911	109	13.5%
29.6%	797	903	106	13.3%
30.9%	795	898	104	13.1%
32.1%	794	862	68	8.5%
33.3%	792	854	62	7.8%
34.6%	788	839	51	6.5%
35.8%	782	836	54	6.9%
37.0%	780	829	49	6.3%
38.3%	771	819	48	6.2%
39.5%	769	817	47	6.2%
40.7%	763	811	48	6.3%
42.0%	760	810	49	6.5%
43.2%	759	802	43	5.6%
44.4%	748	801	53	7.0%
45.7%	747	798	51	6.8%
46.9%	746	793	47	6.3%
48.1%	737	792	55	7.4%
49.4%	733	790	57	7.8%
50.6%	731	758	27	3.7%
51.9%	703	737	34	4.9%
53.1%	700	737	37	5.3%
54.3%	679	726	47	7.0%
55.6%	679	723	44	6.5%
56.8%	669	708	39	5.9%
58.0%	663	702	39	5.9%
59.3%	636	700	64	10.1%
60.5%	600	674	74	12.4%
61.7%	588	663	75	12.7%
63.0%	571	625	54	9.5%
64.2%	568	600	32	5.7%
65.4%	542	586	44	8.1%
66.7%	539	574	35	6.5%
67.9%	532	565	33	6.2%
69.1%	519	542	23	4.5%
70.4%	509	528	19	3.7%
71.6%	505	523	18	3.6%
72.8%	497	521	24	4.8%
74.1%	485	515	30	6.1%
75.3%	484	496	12	2.5%
76.5%	476	483	7	1.4%
77.8%	466	480	14	2.9%
79.0%	444	476	33	7.3%
80.2%	440	449	9	2.1%
81.5%	438	442	5	1.0%
82.7%	417	435	18	4.3%
84.0%	415	411	-4	-1.0%
85.2%	389	406	17	4.4%
86.4%	384	403	19	5.0%
87.7%	383	402	19	5.1%
88.9%	379	401	22	5.9%
90.1%	351	390	39	11.1%
91.4%	344	383	39	11.4%
92.6%	332	376	43	13.0%
93.8%	321	374	53	16.6%
95.1%	321	324	3	0.9%
96.3%	318	305	-13	-4.1%
97.5%	209	277	69	33.0%
98.8%	159	263	104	65.6%
100.0%	90	90	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	791	800	9	1.1%
27.2%	781	800	19	2.5%
28.4%	765	800	35	4.5%
29.6%	742	786	45	6.1%
30.9%	741	774	33	4.4%
32.1%	739	773	34	4.5%
33.3%	738	771	34	4.5%
34.6%	719	771	51	7.1%
35.8%	714	758	44	6.2%
37.0%	706	751	45	6.3%
38.3%	701	748	47	6.7%
39.5%	700	732	33	4.7%
40.7%	696	730	33	4.8%
42.0%	688	719	31	4.5%
43.2%	660	709	49	7.5%
44.4%	657	701	44	6.8%
45.7%	640	698	59	9.2%
46.9%	634	682	48	7.6%
48.1%	620	659	39	6.3%
49.4%	620	651	31	5.1%
50.6%	618	647	29	4.6%
51.9%	618	646	28	4.5%
53.1%	608	645	37	6.2%
54.3%	603	637	34	5.7%
55.6%	574	625	51	8.8%
56.8%	573	610	37	6.5%
58.0%	562	600	38	6.8%
59.3%	556	600	44	7.9%
60.5%	543	592	50	9.2%
61.7%	528	592	65	12.2%
63.0%	523	579	56	10.7%
64.2%	517	577	60	11.5%
65.4%	474	553	79	16.6%
66.7%	472	532	60	12.6%
67.9%	472	498	27	5.7%
69.1%	452	495	43	9.5%
70.4%	436	494	58	13.2%
71.6%	426	477	51	12.0%
72.8%	415	448	33	7.9%
74.1%	412	428	16	3.8%
75.3%	409	408	-1	-0.3%
76.5%	401	405	4	1.0%
77.8%	387	398	11	2.8%
79.0%	381	396	15	4.0%
80.2%	378	386	9	2.3%
81.5%	374	385	12	3.2%
82.7%	371	373	1	0.3%
84.0%	365	369	4	1.2%
85.2%	361	353	-8	-2.1%
86.4%	336	345	9	2.7%
87.7%	330	341	12	3.5%
88.9%	324	341	17	5.4%
90.1%	319	331	12	3.7%
91.4%	318	320	2	0.6%
92.6%	312	316	4	1.2%
93.8%	283	306	23	8.1%
95.1%	269	300	31	11.5%
96.3%	257	285	28	11.0%
97.5%	106	130	24	22.7%
98.8%	90	127	37	40.7%
100.0%	90	90	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	650	650	0	0.0%
1.2%	650	650	0	0.0%
2.5%	650	650	0	0.0%
3.7%	650	650	0	0.0%
4.9%	650	650	0	0.0%
6.2%	650	650	0	0.0%
7.4%	650	650	0	0.0%
8.6%	650	650	0	0.0%
9.9%	650	650	0	0.0%
11.1%	650	650	0	0.0%
12.3%	650	650	0	0.0%
13.6%	650	650	0	0.0%
14.8%	650	650	0	0.1%
16.0%	648	650	2	0.3%
17.3%	646	650	4	0.6%
18.5%	645	650	5	0.8%
19.8%	645	650	5	0.8%
21.0%	644	650	6	0.9%
22.2%	644	650	6	0.9%
23.5%	638	650	12	1.8%
24.7%	638	650	12	1.9%
25.9%	637	650	13	2.0%
27.2%	633	650	17	2.6%
28.4%	630	650	20	3.2%
29.6%	629	650	21	3.3%
30.9%	625	650	25	3.9%
32.1%	610	649	39	6.3%
33.3%	609	645	36	5.9%
34.6%	608	638	30	4.9%
35.8%	600	638	38	6.3%
37.0%	593	637	44	7.5%
38.3%	591	627	36	6.0%
39.5%	589	619	31	5.2%
40.7%	585	616	31	5.4%
42.0%	584	609	25	4.3%
43.2%	584	604	21	3.5%
44.4%	575	603	29	5.0%
45.7%	567	603	36	6.4%
46.9%	555	600	45	8.1%
48.1%	547	600	53	9.6%
49.4%	537	600	63	11.7%
50.6%	537	592	55	10.3%
51.9%	536	587	51	9.5%
53.1%	534	583	49	9.2%
54.3%	528	578	50	9.6%
55.6%	520	576	55	10.6%
56.8%	518	574	56	10.8%
58.0%	498	572	74	14.8%
59.3%	494	557	63	12.8%
60.5%	492	530	39	7.9%
61.7%	482	507	25	5.1%
63.0%	448	504	56	12.4%
64.2%	437	492	55	12.6%
65.4%	420	481	61	14.5%
66.7%	416	473	57	13.8%
67.9%	415	455	40	9.6%
69.1%	399	440	41	10.4%
70.4%	395	436	41	10.3%
71.6%	387	433	46	11.8%
72.8%	383	415	31	8.2%
74.1%	379	391	12	3.1%
75.3%	377	383	6	1.6%
76.5%	373	381	9	2.3%
77.8%	371	381	10	2.6%
79.0%	365	374	10	2.7%
80.2%	364	361	-3	-0.8%
81.5%	360	345	-15	-4.0%
82.7%	357	340	-18	-5.0%
84.0%	348	339	-9	-2.6%
85.2%	336	324	-12	-3.6%
86.4%	325	319	-6	-1.9%
87.7%	309	318	9	3.0%
88.9%	300	316	16	5.4%
90.1%	287	308	21	7.2%
91.4%	283	298	16	5.6%
92.6%	280	288	8	2.7%
93.8%	260	286	26	9.9%
95.1%	243	246	3	1.3%
96.3%	129	234	105	81.0%
97.5%	90	98	8	9.0%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

Table SW-25-3a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative A	412	407	409	411	414	427	440	452	449	436	425	415
Difference	3	3	2	2	1	1	1	0	1	4	3	3
Percent Difference[3]	0.7%	0.7%	0.5%	0.4%	0.3%	0.2%	0.2%	0.1%	0.2%	0.9%	0.7%	0.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative A	428	417	417	417	416	432	448	465	464	457	446	430
Difference	2	2	1	0	0	0	0	0	0	2	1	3
Percent Difference	0.4%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	0.7%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative A	422	415	416	418	420	433	448	465	463	446	437	426
Difference	3	3	2	1	0	0	0	0	0	4	3	3
Percent Difference	0.7%	0.8%	0.5%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%	0.8%	0.6%	0.8%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative A	424	417	416	415	421	433	448	461	459	444	434	426
Difference	2	1	1	1	1	1	0	0	0	7	6	3
Percent Difference	0.5%	0.3%	0.2%	0.1%	0.2%	0.2%	0.0%	-0.1%	-0.1%	1.7%	1.4%	0.7%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative A	404	405	406	408	416	429	440	447	440	423	413	408
Difference	4	4	3	2	2	1	2	1	1	3	5	4
Percent Difference	1.1%	1.1%	0.7%	0.6%	0.5%	0.3%	0.4%	0.3%	0.3%	0.8%	1.1%	1.0%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative A	368	370	383	393	394	404	406	407	402	391	379	372
Difference	3	5	3	5	5	4	3	2	4	4	2	2
Percent Difference	0.9%	1.4%	0.9%	1.4%	1.3%	1.0%	0.6%	0.5%	1.0%	1.1%	0.5%	0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

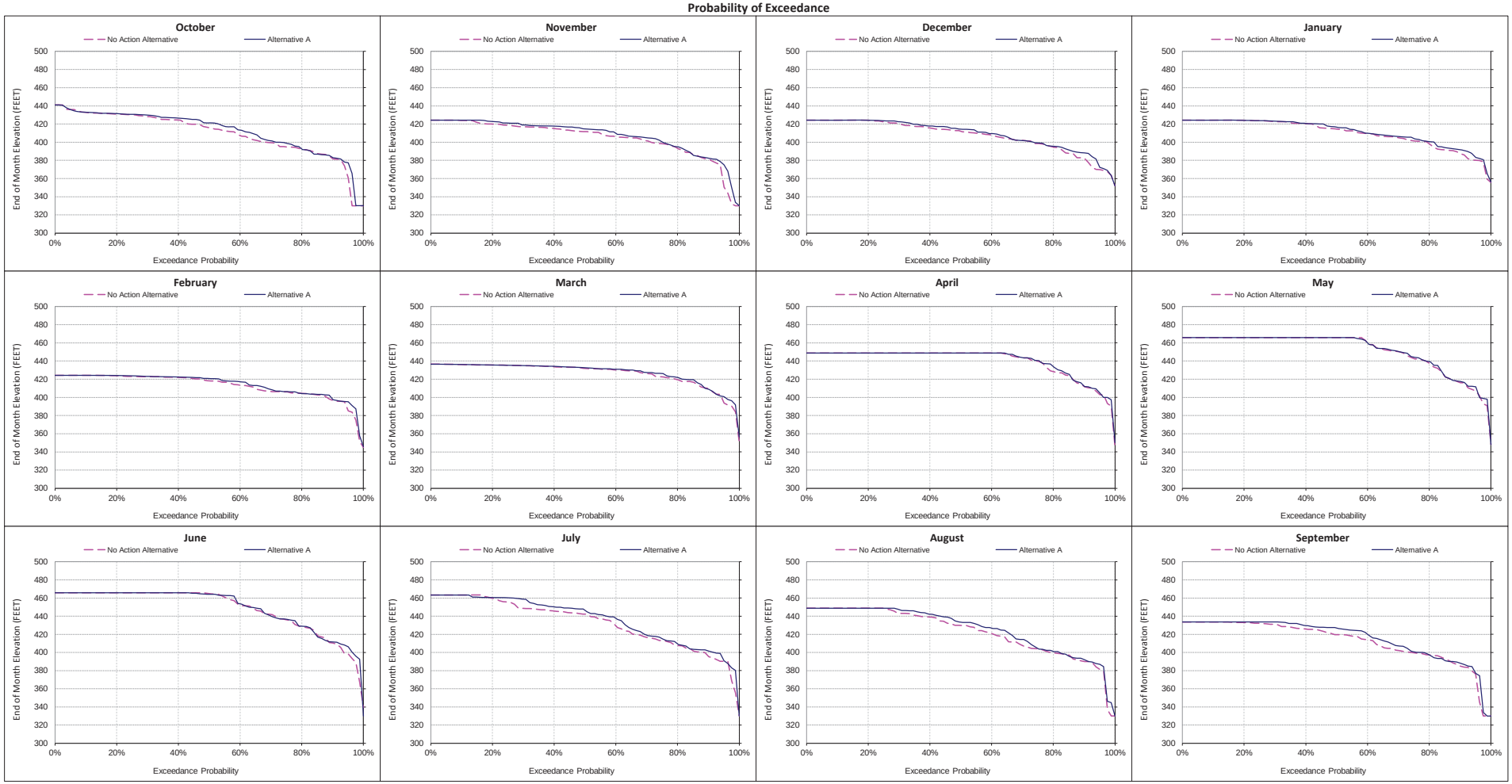

Table SW-25-3b
Folsom Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	441	441	0	0.0%
1.2%	441	441	0	0.0%
2.5%	441	441	0	0.0%
3.7%	436	438	2	0.4%
4.9%	436	436	0	0.0%
6.2%	436	435	-1	-0.3%
7.4%	435	434	-1	-0.2%
8.6%	433	433	0	0.0%
9.9%	433	433	0	0.0%
11.1%	432	433	1	0.1%
12.3%	432	433	0	0.1%
13.6%	432	432	0	0.0%
14.8%	432	432	0	0.0%
16.0%	432	432	0	0.0%
17.3%	431	432	0	0.1%
18.5%	431	432	0	0.1%
19.8%	431	432	1	0.1%
21.0%	431	431	0	0.1%
22.2%	431	431	0	0.1%
23.5%	430	431	0	0.1%
24.7%	430	431	0	0.1%
25.9%	430	431	0	0.1%
27.2%	429	430	1	0.3%
28.4%	429	430	1	0.3%
29.6%	428	430	2	0.5%
30.9%	428	429	1	0.3%
32.1%	427	429	2	0.5%
33.3%	426	428	2	0.5%
34.6%	425	427	2	0.5%
35.8%	425	427	2	0.6%
37.0%	425	427	2	0.5%
38.3%	425	427	2	0.6%
39.5%	424	427	2	0.6%
40.7%	424	427	2	0.6%
42.0%	421	426	5	1.1%
43.2%	420	426	6	1.3%
44.4%	420	425	5	1.3%
45.7%	420	425	5	1.2%
46.9%	420	424	5	1.1%
48.1%	417	421	4	1.0%
49.4%	416	421	5	1.2%
50.6%	416	421	6	1.3%
51.9%	415	421	6	1.5%
53.1%	414	420	6	1.4%
54.3%	413	418	5	1.2%
55.6%	412	417	5	1.2%
56.8%	412	417	5	1.3%
58.0%	411	417	6	1.4%
59.3%	408	414	5	1.3%
60.5%	407	413	6	1.6%
61.7%	406	411	5	1.2%
63.0%	404	411	7	1.7%
64.2%	403	410	7	1.7%
65.4%	402	408	6	1.6%
66.7%	401	405	4	1.0%
67.9%	400	403	3	0.7%
69.1%	400	402	2	0.6%
70.4%	399	401	2	0.5%
71.6%	399	400	1	0.3%
72.8%	395	400	5	1.2%
74.1%	395	400	5	1.2%
75.3%	395	399	4	1.0%
76.5%	395	398	3	0.8%
77.8%	394	396	1	0.4%
79.0%	393	395	2	0.5%
80.2%	392	392	0	0.0%
81.5%	392	392	0	0.0%
82.7%	391	390	0	-0.1%
84.0%	389	387	-2	-0.6%
85.2%	388	387	-1	-0.2%
86.4%	387	386	0	-0.1%
87.7%	387	386	-1	-0.2%
88.9%	385	386	1	0.1%
90.1%	382	383	1	0.3%
91.4%	381	382	1	0.3%
92.6%	381	382	1	0.2%
93.8%	374	378	4	1.1%
95.1%	361	377	17	4.6%
96.3%	330	366	36	10.8%
97.5%	330	330	0	0.0%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.1%
12.3%	424	424	0	0.1%
13.6%	424	424	1	0.2%
14.8%	422	424	2	0.5%
16.0%	421	424	3	0.8%
17.3%	420	424	4	0.8%
18.5%	420	423	3	0.7%
19.8%	420	423	3	0.7%
21.0%	420	423	3	0.6%
22.2%	420	422	3	0.6%
23.5%	419	421	2	0.6%
24.7%	419	421	3	0.6%
25.9%	419	421	2	0.6%
27.2%	418	421	3	0.7%
28.4%	417	421	4	0.9%
29.6%	417	419	2	0.5%
30.9%	417	419	2	0.5%
32.1%	417	418	2	0.4%
33.3%	417	418	2	0.4%
34.6%	416	418	2	0.4%
35.8%	416	418	2	0.4%
37.0%	416	418	2	0.4%
38.3%	415	418	2	0.6%
39.5%	415	418	3	0.6%
40.7%	415	418	3	0.7%
42.0%	414	418	3	0.8%
43.2%	413	417	4	0.9%
44.4%	413	417	3	0.8%
45.7%	413	417	4	0.9%
46.9%	412	416	4	0.9%
48.1%	412	416	4	1.0%
49.4%	412	415	3	0.7%
50.6%	412	414	3	0.7%
51.9%	411	414	3	0.7%
53.1%	411	414	3	0.7%
54.3%	411	414	3	0.7%
55.6%	409	414	5	1.3%
56.8%	407	413	6	1.4%
58.0%	407	411	5	1.1%
59.3%	407	411	5	1.1%
60.5%	406	409	3	0.7%
61.7%	405	409	3	0.8%
63.0%	405	408	2	0.6%
64.2%	405	407	2	0.4%
65.4%	405	406	2	0.4%
66.7%	405	406	2	0.4%
67.9%	404	406	2	0.6%
69.1%	402	405	4	0.9%
70.4%	401	405	3	0.8%
71.6%	400	405	5	1.2%
72.8%	399	404	5	1.3%
74.1%	399	402	4	0.9%
75.3%	398	400	2	0.4%
76.5%	398	398	1	0.1%
77.8%	396	397	1	0.3%
79.0%	395	395	0	0.0%
80.2%	393	395	2	0.5%
81.5%	391	393	2	0.6%
82.7%	389	391	2	0.5%
84.0%	389	389	0	0.0%
85.2%	386	386	0	-0.1%
86.4%	385	384	-1	-0.2%
87.7%	383	384	1	0.2%
88.9%	382	383	1	0.3%
90.1%	381	382	1	0.3%
91.4%	379	382	3	0.7%
92.6%	377	381	4	1.1%
93.8%	375	379	4	1.0%
95.1%	350	375	25	7.0%
96.3%	344	368	24	7.1%
97.5%	332	350	18	5.5%
98.8%	330	334	4	1.1%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.2%
23.5%	423	424	1	0.1%
24.7%	423	424	1	0.3%
25.9%	422	423	1	0.3%
27.2%	421	423	2	0.5%
28.4%	421	423	2	0.5%
29.6%	421	422	2	0.4%
30.9%	419	422	3	0.7%
32.1%	418	422	3	0.8%
33.3%	418	421	3	0.6%
34.6%	417	420	2	0.6%
35.8%	417	420	2	0.6%
37.0%	417	419	1	0.3%
38.3%	417	418	2	0.4%
39.5%	416	418	2	0.5%
40.7%	415	418	2	0.6%
42.0%	414	417	3	0.7%
43.2%	414	417	3	0.7%
44.4%	414	417	3	0.7%
45.7%	414	417	3	0.7%
46.9%	413	415	2	0.5%
48.1%	413	415	2	0.6%
49.4%	413	414	2	0.4%
50.6%	411	414	3	0.7%
51.9%	411	414	3	0.7%
53.1%	411	414	3	0.8%
54.3%	410	414	3	0.8%
55.6%	410	411	2	0.4%
56.8%	410	411	2	0.4%
58.0%	409	411	2	0.5%
59.3%	408	410	1	0.3%
60.5%	407	410	2	0.6%
61.7%	406	409	3	0.7%
63.0%	405	408	2	0.5%
64.2%	404	407	3	0.7%
65.4%	404	405	1	0.4%
66.7%	403	403	0	0.0%
67.9%	402	402	0	0.0%
69.1%	402	402	0	-0.1%
70.4%	402	402	0	-0.1%
71.6%	401	401	0	0.0%
72.8%	401	401	-1	-0.2%
74.1%	399	399	1	0.2%
75.3%	399	399	1	0.2%
76.5%	398	399	1	0.3%
77.8%	396	396	0	0.0%
79.0%	395	396	0	0.1%
80.2%	394	395	1	0.3%
81.5%	394	395	1	0.3%
82.7%	392	394	3	0.7%
84.0%	388	393	4	1.1%
85.2%	388	391	3	0.9%
86.4%	387	390	3	0.7%
87.7%	383	389	6	1.6%
88.9%	383	389	6	1.5%
90.1%	382	388	6	1.6%
91.4%	378	388	10	2.7%
92.6%	372	384	12	3.2%
93.8%	370	382	11	3.1%
95.1%	370	372	3	0.7%
96.3%	369	371	2	0.6%
97.5%	367	369	2	0.4%
98.8%	363	363	0	0.0%
100.0%	352	352	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	424	424	0	0.0%
23.5%	424	424	0	0.0%
24.7%	424	424	0	0.0%
25.9%	424	424	0	0.0%
27.2%	423	424	0	0.1%
28.4%	423	423	0	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.1%
32.1%	422	423	0	0.1%
33.3%	422	423	0	0.1%
34.6%	422	422	1	0.2%
35.8%	421	422	2	0.4%
37.0%	421	422	1	0.2%
38.3%	421	421	0	0.1%
39.5%	420	421	0	0.1%
40.7%	420	420	0	0.0%
42.0%	420	420	0	0.1%
43.2%	418	420	2	0.5%
44.4%	416	420	4	1.0%
45.7%	416	420	4	1.0%
46.9%	415	418	3	0.6%
48.1%	415	417	2	0.5%
49.4%	415	417	2	0.5%
50.6%	414	416	2	0.5%
51.9%	414	416	2	0.5%
53.1%	413	416	3	0.8%
54.3%	412	414	2	0.4%
55.6%	412	414	1	0.3%
56.8%	411	413	2	0.5%
58.0%	410	412	1	0.4%
59.3%	410	410	1	0.1%
60.5%	409	410	0	0.1%
61.7%	409	409	0	0.1%
63.0%	407	409	2	0.4%
64.2%	407	408	1	0.4%
65.4%	406	408	1	0.3%
66.7%	406	407	1	0.3%
67.9%	406	407	1	0.2%
69.1%	405	407	1	0.3%
70.4%	405	406	2	0.5%
71.6%	404	406	2	0.4%
72.8%	403	406	3	0.7%
74.1%	402	405	3	0.9%
75.3%	401	404	2	0.5%
76.5%	401	403	2	0.5%
77.8%	401	402	1	0.2%
79.0%	401	401	0	0.1%
80.2%	398	401	3	0.7%
81.5%	394	400	6	1.6%
82.7%	392	395	3	0.7%
84.0%	392	395	3	0.8%
85.2%	392	394	3	0.7%
86.4%	391	393	2	0.6%
87.7%	391	393	2	0.5%
88.9%	390	392	2	0.6%
90.1%	387	392	4	1.1%
91.4%	386	391	5	1.3%
92.6%	382	390	8	2.0%
93.8%	380	387	7	1.9%
95.1%	380	383	3	0.8%
96.3%	380	382	2	0.6%
97.5%	378	381	2	0.6%
98.8%	359	365	6	1.7%
100.0%	356	356	0	0.1%

Table SW-25-3b

Folsom Lake, End of Month Elevation

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.1%
19.8%	424	424	0	0.1%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.1%
23.5%	423	424	1	0.2%
24.7%	423	424	0	0.1%
25.9%	423	424	0	0.1%
27.2%	423	423	1	0.1%
28.4%	423	423	1	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.1%
32.1%	423	423	0	0.0%
33.3%	423	423	0	0.0%
34.6%	422	423	0	0.1%
35.8%	422	423	0	0.1%
37.0%	422	423	0	0.1%
38.3%	422	423	0	0.1%
39.5%	422	422	0	0.1%
40.7%	422	422	0	0.1%
42.0%	422	422	0	0.1%
43.2%	422	422	0	0.1%
44.4%	421	422	1	0.2%
45.7%	420	422	1	0.3%
46.9%	420	422	1	0.3%
48.1%	419	421	2	0.5%
49.4%	418	421	3	0.6%
50.6%	418	421	3	0.6%
51.9%	418	421	3	0.6%
53.1%	418	420	3	0.6%
54.3%	417	418	2	0.4%
55.6%	417	418	1	0.3%
56.8%	416	418	2	0.5%
58.0%	414	418	4	0.9%
59.3%	414	417	4	0.9%
60.5%	413	417	4	1.0%
61.7%	413	417	4	0.9%
63.0%	412	414	1	0.3%
64.2%	411	413	2	0.4%
65.4%	409	413	4	1.0%
66.7%	408	412	4	1.1%
67.9%	407	411	4	0.9%
69.1%	407	410	3	0.6%
70.4%	406	408	2	0.5%
71.6%	406	407	1	0.1%
72.8%	406	407	1	0.1%
74.1%	406	406	0	0.1%
75.3%	406	406	0	0.1%
76.5%	405	406	1	0.3%
77.8%	405	406	1	0.3%
79.0%	405	405	0	0.0%
80.2%	404	404	0	0.0%
81.5%	404	404	0	0.0%
82.7%	404	404	0	0.0%
84.0%	403	404	0	0.1%
85.2%	403	403	1	0.2%
86.4%	403	403	1	0.1%
87.7%	401	403	2	0.4%
88.9%	398	402	4	1.0%
90.1%	397	397	1	0.2%
91.4%	396	397	1	0.2%
92.6%	396	396	0	0.1%
93.8%	395	396	0	0.1%
95.1%	385	395	10	2.6%
96.3%	384	391	7	1.9%
97.5%	375	387	12	3.3%
98.8%	351	357	6	1.7%
100.0%	345	346	1	0.2%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	437	437	0	0.0%
1.2%	437	437	0	0.0%
2.5%	437	437	0	0.0%
3.7%	437	437	0	0.0%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	436	436	0	0.0%
8.6%	436	436	0	0.0%
9.9%	436	436	0	0.0%
11.1%	436	436	0	0.1%
12.3%	436	436	0	0.0%
13.6%	436	436	0	0.0%
14.8%	436	436	0	0.0%
16.0%	436	436	0	0.0%
17.3%	436	436	0	0.0%
18.5%	436	436	0	0.0%
19.8%	436	436	0	0.0%
21.0%	436	436	0	0.0%
22.2%	436	436	0	0.0%
23.5%	436	436	0	0.0%
24.7%	435	435	0	0.0%
25.9%	435	435	0	0.0%
27.2%	435	435	0	0.0%
28.4%	435	435	0	0.0%
29.6%	435	435	0	0.0%
30.9%	435	435	0	0.0%
32.1%	435	435	0	0.0%
33.3%	435	435	0	0.0%
34.6%	435	435	0	0.0%
35.8%	434	435	0	0.0%
37.0%	434	434	0	0.0%
38.3%	434	434	0	0.0%
39.5%	434	434	0	0.1%
40.7%	434	434	0	0.1%
42.0%	434	434	0	0.0%
43.2%	433	434	0	0.1%
44.4%	433	434	0	0.1%
45.7%	433	433	0	0.0%
46.9%	433	433	0	0.0%
48.1%	433	433	0	0.0%
49.4%	432	433	1	0.2%
50.6%	432	433	1	0.2%
51.9%	432	432	0	0.1%
53.1%	432	432	0	0.0%
54.3%	431	432	0	0.1%
55.6%	431	432	1	0.1%
56.8%	431	432	1	0.2%
58.0%	431	431	1	0.1%
59.3%	430	431	0	0.1%
60.5%	430	431	1	0.2%
61.7%	430	431	1	0.2%
63.0%	429	430	1	0.2%
64.2%	429	430	1	0.2%
65.4%	429	430	1	0.2%
66.7%	429	429	0	0.1%
67.9%	427	429	2	0.4%
69.1%	426	428	1	0.3%
70.4%	426	427	1	0.3%
71.6%	426	427	1	0.3%
72.8%	423	426	3	0.8%
74.1%	423	426	3	0.8%
75.3%	423	426	4	0.9%
76.5%	422	424	2	0.5%
77.8%	421	423	2	0.4%
79.0%	420	423	2	0.6%
80.2%	419	422	3	0.6%
81.5%	418	420	3	0.6%
82.7%	417	420	2	0.5%
84.0%	417	420	2	0.5%
85.2%	417	419	3	0.7%
86.4%	414	416	2	0.5%
87.7%	411	414	3	0.7%
88.9%	411	410	-1	-0.1%
90.1%	410	409	-1	-0.2%
91.4%	406	407	0	0.1%
92.6%	403	403	0	0.0%
93.8%	403	402	-2	-0.4%
95.1%	394	401	7	1.8%
96.3%	391	398	6	1.6%
97.5%	391	396	6	1.5%
98.8%	384	392	8	2.1%
100.0%	350	357	6	1.7%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	449	449	0	0.0%
27.2%	449	449	0	0.0%
28.4%	449	449	0	0.0%
29.6%	449	449	0	0.0%
30.9%	449	449	0	0.0%
32.1%	449	449	0	0.0%
33.3%	449	449	0	0.0%
34.6%	449	449	0	0.0%
35.8%	449	449	0	0.0%
37.0%	449	449	0	0.0%
38.3%	449	449	0	0.0%
39.5%	449	449	0	0.0%
40.7%	449	449	0	0.0%
42.0%	449	449	0	0.0%
43.2%	449	449	0	0.0%
44.4%	449	449	0	0.0%
45.7%	449	449	0	0.0%
46.9%	449	449	0	0.0%
48.1%	449	449	0	0.0%
49.4%	449	449	0	0.0%
50.6%	449	449	0	0.0%
51.9%	449	449	0	0.0%
53.1%	449	449	0	0.0%
54.3%	449	449	0	0.0%
55.6%	449	449	0	0.0%
56.8%	449	449	0	0.0%
58.0%	449	449	0	0.0%
59.3%	449	449	0	0.0%
60.5%	449	449	0	0.0%
61.7%	449	449	0	0.0%
63.0%	449	449	0	0.0%
64.2%	448	449	1	0.2%
65.4%	447	447	0	0.0%
66.7%	446	447	2	0.4%
67.9%	445	445	1	0.2%
69.1%	444	444	1	0.1%
70.4%	444	444	0	0.0%
71.6%	443	443	0	0.0%
72.8%	441	443	2	0.5%
74.1%	440	441	1	0.1%
75.3%	440	440	1	0.2%
76.5%	438	437	0	0.0%
77.8%	433	437	4	1.0%
79.0%	429	437	8	1.8%
80.2%	428	433	5	1.2%
81.5%	427	430	3	0.8%
82.7%	427	429	2	0.6%
84.0%	425	427	2	0.5%
85.2%	424	425	1	0.3%
86.4%	419	419	-1	-0.1%
87.7%	416	417	1	0.3%
88.9%	415	416	2	0.4%
90.1%	412	412	0	0.1%
91.4%	411	412	1	0.3%
92.6%	410	410	0	0.0%
93.8%	407	410	3	0.7%
95.1%	403	405	2	0.5%
96.3%	403	400	-3	-0.7%
97.5%	393	400	7	1.7%
98.8%	391	398	7	1.8%
100.0%	346	350	5	1.3%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	466	0	0.0%
48.1%	466	466	0	0.0%
49.4%	466	466	0	0.0%
50.6%	466	466	0	0.0%
51.9%	466	466	0	0.0%
53.1%	466	466	0	0.0%
54.3%	466	466	0	0.0%
55.6%	466	466	0	0.0%
56.8%	466	465	-1	-0.2%
58.0%	466	464	-1	-0.3%
59.3%	463	463	0	0.0%
60.5%	458	458	0	0.0%
61.7%	458	458	0	0.0%
63.0%	454	454	0	0.0%
64.2%	454	454	0	0.0%
65.4%	452	454	2	0.3%
66.7%	452	453	1	0.3%
67.9%	451	452	1	0.2%
69.1%	451	451	1	0.1%
70.4%	450	450	0	0.0%
71.6%	449	449	1	0.1%
72.8%	446	449	3	0.6%
74.1%	444	445	1	0.2%
75.3%	442	444	2	0.4%
76.5%	442	444	2	0.3%
77.8%	441	441	0	0.0%
79.0%	440	440	0	0.0%
80.2%	437	439	2	0.5%
81.5%	433	435	2	0.4%
82.7%	432	435	3	0.7%
84.0%	428	429	1	0.1%
85.2%	422	423	0	0.0%
86.4%	421	421	0	0.0%
87.7%	419	419	0	-0.1%
88.9%	418	418	0	0.1%
90.1%	416	418	1	0.3%
91.4%	416	416	0	0.1%
92.6%	411	412	2	0.4%
93.8%	409	412	3	0.8%
95.1%	407	412	5	1.1%
96.3%	402	400	-2	-0.6%
97.5%	393	399	6	1.5%
98.8%	391	398	7	1.8%
100.0%	348	348	0	-0.1%

Table SW-25-3b

Folsom Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	465	-1	-0.1%
45.7%	466	465	-1	-0.1%
46.9%	466	465	-1	-0.3%
48.1%	466	464	-1	-0.3%
49.4%	465	464	-1	-0.2%
50.6%	465	464	-1	-0.1%
51.9%	464	464	0	0.0%
53.1%	464	463	-1	-0.2%
54.3%	462	463	1	0.2%
55.6%	460	463	3	0.6%
56.8%	458	463	5	1.0%
58.0%	457	462	5	1.1%
59.3%	453	454	1	0.2%
60.5%	452	453	2	0.4%
61.7%	451	451	0	0.0%
63.0%	451	450	-1	-0.3%
64.2%	449	450	1	0.2%
65.4%	446	449	3	0.6%
66.7%	446	448	3	0.6%
67.9%	443	443	1	0.1%
69.1%	442	442	-1	-0.2%
70.4%	442	439	-2	-0.5%
71.6%	439	438	-1	-0.3%
72.8%	437	437	0	0.0%
74.1%	437	437	0	0.0%
75.3%	436	436	1	0.2%
76.5%	435	436	1	0.1%
77.8%	431	435	4	0.9%
79.0%	429	429	0	0.0%
80.2%	428	429	1	0.2%
81.5%	427	429	1	0.3%
82.7%	427	427	1	0.1%
84.0%	424	422	-2	-0.5%
85.2%	418	417	-1	-0.3%
86.4%	417	416	-2	-0.4%
87.7%	416	413	-3	-0.6%
88.9%	411	412	1	0.2%
90.1%	410	412	1	0.3%
91.4%	409	411	2	0.6%
92.6%	406	409	4	0.9%
93.8%	399	408	10	2.4%
95.1%	398	406	8	2.0%
96.3%	393	400	7	1.8%
97.5%	389	396	7	1.9%
98.8%	367	392	25	6.9%
100.0%	339	330	-9	-2.8%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	463	463	0	0.0%
1.2%	463	463	0	0.0%
2.5%	463	463	0	0.0%
3.7%	463	463	0	0.0%
4.9%	463	463	0	0.0%
6.2%	463	463	0	0.0%
7.4%	463	463	0	0.0%
8.6%	463	463	0	0.0%
9.9%	463	463	0	0.0%
11.1%	463	463	0	0.0%
12.3%	463	463	0	0.0%
13.6%	463	461	-2	-0.5%
14.8%	463	461	-2	-0.5%
16.0%	463	461	-2	-0.5%
17.3%	462	461	-1	-0.2%
18.5%	461	460	0	-0.1%
19.8%	460	460	1	0.1%
21.0%	459	460	1	0.2%
22.2%	457	460	3	0.7%
23.5%	456	460	4	1.0%
24.7%	456	460	5	1.0%
25.9%	455	460	5	1.2%
27.2%	453	460	7	1.5%
28.4%	449	460	11	2.3%
29.6%	449	459	10	2.3%
30.9%	448	458	10	2.2%
32.1%	448	455	7	1.5%
33.3%	448	454	6	1.3%
34.6%	448	453	5	1.1%
35.8%	447	452	5	1.2%
37.0%	447	452	5	1.1%
38.3%	446	451	5	1.0%
39.5%	446	450	5	1.0%
40.7%	445	450	5	1.0%
42.0%	445	450	5	1.1%
43.2%	445	449	4	0.9%
44.4%	444	449	5	1.2%
45.7%	444	449	5	1.1%
46.9%	444	448	5	1.0%
48.1%	443	448	5	1.2%
49.4%	442	448	6	1.3%
50.6%	442	445	3	0.6%
51.9%	439	443	3	0.8%
53.1%	439	443	4	0.8%
54.3%	437	442	5	1.1%
55.6%	437	441	4	1.0%
56.8%	436	440	4	0.9%
58.0%	435	439	4	1.0%
59.3%	432	439	7	1.7%
60.5%	427	437	9	2.1%
61.7%	426	435	9	2.2%
63.0%	424	431	7	1.6%
64.2%	423	427	4	0.9%
65.4%	420	426	5	1.3%
66.7%	420	424	4	1.0%
67.9%	419	423	4	1.0%
69.1%	417	420	3	0.7%
70.4%	416	418	2	0.6%
71.6%	416	418	2	0.5%
72.8%	415	418	3	0.7%
74.1%	413	417	4	0.9%
75.3%	413	415	2	0.4%
76.5%	412	413	1	0.2%
77.8%	411	413	2	0.4%
79.0%	408	412	4	1.0%
80.2%	408	409	1	0.3%
81.5%	407	408	1	0.1%
82.7%	405	407	2	0.5%
84.0%	405	404	0	-0.1%
85.2%	401	403	2	0.5%
86.4%	401	403	2	0.6%
87.7%	400	403	3	0.6%
88.9%	400	403	3	0.8%
90.1%	395	401	6	1.6%
91.4%	394	400	6	1.6%
92.6%	392	399	7	1.8%
93.8%	390	399	9	2.2%
95.1%	390	391	0	0.1%
96.3%	390	388	-2	-0.5%
97.5%	369	383	14	3.9%
98.8%	356	380	25	6.9%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	448	449	1	0.2%
27.2%	447	449	2	0.4%
28.4%	445	449	3	0.8%
29.6%	443	448	4	1.0%
30.9%	443	446	3	0.7%
32.1%	443	446	3	0.7%
33.3%	443	446	3	0.7%
34.6%	441	446	5	1.1%
35.8%	441	445	4	1.0%
37.0%	440	444	4	1.0%
38.3%	439	444	5	1.0%
39.5%	439	442	3	0.7%
40.7%	439	442	3	0.7%
42.0%	438	441	3	0.7%
43.2%	435	440	5	1.2%
44.4%	434	439	5	1.1%
45.7%	432	439	7	1.6%
46.9%	432	437	6	1.3%
48.1%	430	435	5	1.1%
49.4%	430	434	4	0.9%
50.6%	430	433	4	0.8%
51.9%	430	433	3	0.8%
53.1%	428	433	5	1.1%
54.3%	428	432	4	1.0%
55.6%	424	430	6	1.5%
56.8%	424	429	5	1.1%
58.0%	423	427	5	1.1%
59.3%	422	427	5	1.3%
60.5%	420	426	6	1.5%
61.7%	418	426	8	1.9%
63.0%	418	425	7	1.6%
64.2%	417	425	7	1.8%
65.4%	412	422	10	2.4%
66.7%	412	419	7	1.8%
67.9%	412	415	3	0.8%
69.1%	409	414	5	1.3%
70.4%	407	414	7	1.7%
71.6%	406	412	6	1.6%
72.8%	405	409	4	1.0%
74.1%	404	406	2	0.5%
75.3%	404	404	0	0.0%
76.5%	403	403	0	0.1%
77.8%	401	402	1	0.3%
79.0%	400	402	2	0.5%
80.2%	400	401	1	0.4%
81.5%	399	401	2	0.5%
82.7%	399	399	0	0.1%
84.0%	398	398	1	0.2%
85.2%	397	396	-1	-0.3%
86.4%	393	394	1	0.4%
87.7%	392	394	2	0.5%
88.9%	391	394	3	0.7%
90.1%	390	392	2	0.5%
91.4%	390	390	0	0.1%
92.6%	389	390	1	0.2%
93.8%	384	388	4	1.0%
95.1%	381	387	6	1.5%
96.3%	379	384	5	1.4%
97.5%	337	346	9	2.7%
98.8%	330	345	15	4.5%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	434	434	0	0.0%
1.2%	434	434	0	0.0%
2.5%	434	434	0	0.0%
3.7%	434	434	0	0.0%
4.9%	434	434	0	0.0%
6.2%	434	434	0	0.0%
7.4%	434	434	0	0.0%
8.6%	434	434	0	0.0%
9.9%	434	434	0	0.0%
11.1%	434	434	0	0.0%
12.3%	434	434	0	0.0%
13.6%	434	434	0	0.0%
14.8%	434	434	0	0.0%
16.0%	433	434	0	0.1%
17.3%	433	434	0	0.1%
18.5%	433	434	1	0.1%
19.8%	433	434	1	0.1%
21.0%	433	434	1	0.2%
22.2%	433	434	1	0.2%
23.5%	432	434	1	0.3%
24.7%	432	434	1	0.3%
25.9%	432	434	2	0.4%
27.2%	432	434	2	0.5%
28.4%	431	434	2	0.6%
29.6%	431	434	3	0.6%
30.9%	431	434	3	0.7%
32.1%	429	433	5	1.1%
33.3%	429	433	4	1.0%
34.6%	428	432	4	0.9%
35.8%	427	432	5	1.1%
37.0%	426	432	5	1.3%
38.3%	426	431	4	1.0%
39.5%	426	430	4	0.9%
40.7%	426	429	4	0.9%
42.0%	425	429	3	0.7%
43.2%	425	428	3	0.6%
44.4%	424	428	4	0.8%
45.7%	423	428	4	1.1%
46.9%	422	427	6	1.3%
48.1%	421	427	6	1.5%
49.4%	420	427	8	1.8%
50.6%	420	426	7	1.6%
51.9%	420	426	6	1.5%
53.1%	419	425	6	1.4%
54.3%	418	425	6	1.5%
55.6%	418	424	7	1.6%
56.8%	417	424	7	1.6%
58.0%	415	424	9	2.2%
59.3%	414	422	8	1.9%
60.5%	414	419	5	1.2%
61.7%	413	416	3	0.7%
63.0%	409	416	7	1.7%
64.2%	407	414	7	1.7%
65.4%	405	413	8	1.9%
66.7%	405	412	7	1.7%
67.9%	405	410	5	1.2%
69.1%	403	408	5	1.3%
70.4%	402	407	5	1.2%
71.6%	401	407	6	1.4%
72.8%	401	405	4	1.0%
74.1%	400	402	2	0.4%
75.3%	400	401	1	0.3%
76.5%	399	400	1	0.4%
77.8%	399	400	2	0.4%
79.0%	398	399	2	0.4%
80.2%	397	397	0	-0.1%
81.5%	397	394	-2	-0.6%
82.7%	396	393	-3	-0.7%
84.0%	395	393	-1	-0.4%
85.2%	393	391	-2	-0.5%
86.4%	391	390	-1	-0.3%
87.7%	388	390	1	0.4%
88.9%	387	390	3	0.7%
90.1%	385	388	3	0.9%
91.4%	384	387	3	0.7%
92.6%	383	385	1	0.4%
93.8%	380	385	5	1.3%
95.1%	376	377	1	0.2%
96.3%	346	374	29	8.3%
97.5%	330	334	4	1.2%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

Table SW-26-3a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,394	7,011	7,177	7,384	7,599	8,611	9,478	10,219	9,984	8,943	8,292	7,603
Alternative A	7,589	7,219	7,318	7,495	7,702	8,686	9,528	10,252	10,046	9,194	8,497	7,826
Difference	195	208	141	111	103	74	50	33	62	251	205	223
Percent Difference[3]	2.6%	3.0%	2.0%	1.5%	1.4%	0.9%	0.5%	0.3%	0.6%	2.8%	2.5%	2.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,583	7,813	7,809	7,942	7,807	9,003	10,083	11,104	11,090	10,503	9,863	8,687
Alternative A	8,710	7,947	7,890	7,946	7,807	9,003	10,083	11,104	11,082	10,609	9,922	8,902
Difference	126	135	81	4	0	0	0	-1	-8	107	59	216
Percent Difference	1.5%	1.7%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.0%	0.6%	2.5%
Above Normal (15%)												
No Action Alternative	8,020	7,505	7,677	7,899	8,068	9,141	10,105	11,118	10,957	9,728	9,139	8,310
Alternative A	8,250	7,746	7,825	7,960	8,101	9,140	10,105	11,118	10,983	9,964	9,337	8,553
Difference	230	241	148	61	33	-1	0	0	26	236	198	243
Percent Difference	2.9%	3.2%	1.9%	0.8%	0.4%	0.0%	0.0%	0.0%	0.2%	2.4%	2.2%	2.9%
Below Normal (17%)												
No Action Alternative	8,272	7,826	7,757	7,731	8,115	9,007	10,056	10,892	10,769	9,254	8,720	8,358
Alternative A	8,420	7,909	7,811	7,769	8,189	9,084	10,053	10,865	10,746	9,745	9,133	8,583
Difference	149	83	54	37	73	76	-3	-27	-23	492	413	225
Percent Difference	1.8%	1.1%	0.7%	0.5%	0.9%	0.8%	0.0%	-0.2%	-0.2%	5.3%	4.7%	2.7%
Dry (22%)												
No Action Alternative	6,667	6,728	6,868	7,065	7,716	8,702	9,440	9,934	9,442	8,061	7,242	6,973
Alternative A	6,981	7,056	7,082	7,243	7,868	8,782	9,550	10,008	9,524	8,296	7,579	7,266
Difference	314	328	214	178	152	80	110	74	83	234	336	293
Percent Difference	4.7%	4.9%	3.1%	2.5%	2.0%	0.9%	1.2%	0.7%	0.9%	2.9%	4.6%	4.2%
Critical (15%)												
No Action Alternative	4,257	4,251	5,094	5,730	5,900	6,635	6,922	7,043	6,516	5,740	5,115	4,613
Alternative A	4,444	4,551	5,349	6,109	6,259	6,934	7,101	7,192	6,834	6,062	5,203	4,727
Difference	187	300	255	379	359	299	179	149	318	322	88	114
Percent Difference	4.4%	7.1%	5.0%	6.6%	6.1%	4.5%	2.6%	2.1%	4.9%	5.6%	1.7%	2.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

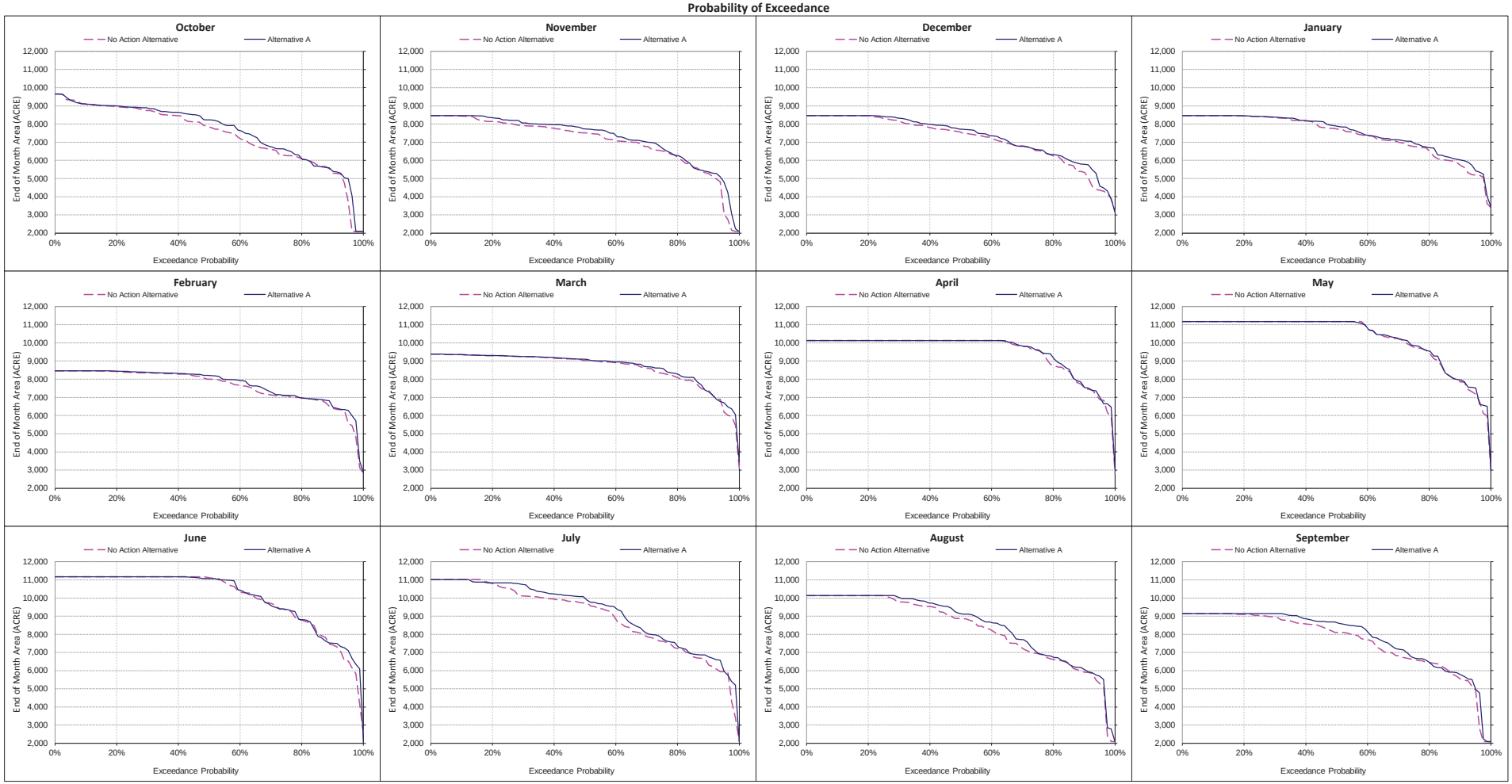

Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,656	9,656	0	0.0%
1.2%	9,656	9,656	0	0.0%
2.5%	9,643	9,643	0	0.0%
3.7%	9,343	9,464	121	1.3%
4.9%	9,334	9,320	-14	-0.2%
6.2%	9,320	9,233	-86	-0.9%
7.4%	9,233	9,159	-74	-0.8%
8.6%	9,113	9,120	7	0.1%
9.9%	9,100	9,097	-2	0.0%
11.1%	9,051	9,097	45	0.5%
12.3%	9,043	9,077	34	0.4%
13.6%	9,042	9,055	13	0.1%
14.8%	9,038	9,022	-16	-0.2%
16.0%	9,006	9,017	11	0.1%
17.3%	8,991	9,012	22	0.2%
18.5%	8,975	9,008	32	0.4%
19.8%	8,962	9,006	44	0.5%
21.0%	8,944	8,978	34	0.4%
22.2%	8,931	8,954	23	0.3%
23.5%	8,908	8,944	36	0.4%
24.7%	8,906	8,931	25	0.3%
25.9%	8,899	8,927	28	0.3%
27.2%	8,827	8,916	89	1.0%
28.4%	8,807	8,897	90	1.0%
29.6%	8,737	8,893	156	1.8%
30.9%	8,737	8,843	107	1.2%
32.1%	8,684	8,839	155	1.8%
33.3%	8,617	8,761	143	1.7%
34.6%	8,518	8,689	171	2.0%
35.8%	8,510	8,686	176	2.1%
37.0%	8,494	8,665	171	2.0%
38.3%	8,474	8,652	178	2.1%
39.5%	8,468	8,651	183	2.2%
40.7%	8,452	8,627	175	2.1%
42.0%	8,239	8,580	341	4.1%
43.2%	8,139	8,550	411	5.1%
44.4%	8,130	8,523	393	4.8%
45.7%	8,117	8,509	392	4.8%
46.9%	8,107	8,449	342	4.2%
48.1%	7,929	8,238	309	3.9%
49.4%	7,864	8,226	362	4.6%
50.6%	7,801	8,215	414	5.3%
51.9%	7,727	8,205	478	6.2%
53.1%	7,712	8,133	421	5.5%
54.3%	7,625	8,006	381	5.0%
55.6%	7,559	7,921	363	4.8%
56.8%	7,519	7,916	397	5.3%
58.0%	7,499	7,915	415	5.5%
59.3%	7,274	7,670	397	5.5%
60.5%	7,146	7,618	471	6.6%
61.7%	7,124	7,487	364	5.1%
63.0%	6,945	7,464	519	7.5%
64.2%	6,845	7,354	509	7.4%
65.4%	6,781	7,253	473	7.0%
66.7%	6,696	6,983	287	4.3%
67.9%	6,670	6,873	203	3.0%
69.1%	6,625	6,793	168	2.5%
70.4%	6,596	6,738	142	2.1%
71.6%	6,554	6,643	89	1.4%
72.8%	6,288	6,635	348	5.5%
74.1%	6,288	6,629	341	5.4%
75.3%	6,262	6,545	283	4.5%
76.5%	6,256	6,478	222	3.6%
77.8%	6,227	6,332	106	1.7%
79.0%	6,156	6,288	131	2.1%
80.2%	6,065	6,053	-12	-0.2%
81.5%	6,030	6,032	2	0.0%
82.7%	5,964	5,940	-25	-0.4%
84.0%	5,868	5,692	-177	-3.0%
85.2%	5,731	5,681	-51	-0.9%
86.4%	5,673	5,643	-30	-0.5%
87.7%	5,661	5,617	-44	-0.8%
88.9%	5,548	5,589	41	0.7%
90.1%	5,301	5,398	97	1.8%
91.4%	5,285	5,363	78	1.5%
92.6%	5,251	5,297	46	0.9%
93.8%	4,730	5,047	317	6.7%
95.1%	3,706	4,989	1,284	34.6%
96.3%	2,091	4,036	1,945	93.0%
97.5%	2,091	2,091	0	0.0%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,433	8,458	26	0.3%
11.1%	8,431	8,458	28	0.3%
12.3%	8,422	8,458	37	0.4%
13.6%	8,411	8,458	48	0.6%
14.8%	8,279	8,450	171	2.1%
16.0%	8,201	8,446	246	3.0%
17.3%	8,165	8,431	266	3.3%
18.5%	8,142	8,372	230	2.8%
19.8%	8,139	8,357	217	2.7%
21.0%	8,128	8,330	202	2.5%
22.2%	8,110	8,307	197	2.4%
23.5%	8,054	8,233	180	2.2%
24.7%	8,043	8,230	187	2.3%
25.9%	8,026	8,201	175	2.2%
27.2%	7,970	8,199	230	2.9%
28.4%	7,928	8,197	269	3.4%
29.6%	7,920	8,065	145	1.8%
30.9%	7,912	8,057	145	1.8%
32.1%	7,891	8,013	121	1.5%
33.3%	7,890	8,005	116	1.5%
34.6%	7,875	8,004	129	1.6%
35.8%	7,865	7,994	129	1.6%
37.0%	7,844	7,969	125	1.6%
38.3%	7,784	7,969	185	2.4%
39.5%	7,779	7,968	189	2.4%
40.7%	7,739	7,960	221	2.9%
42.0%	7,718	7,958	240	3.1%
43.2%	7,650	7,919	270	3.5%
44.4%	7,637	7,886	249	3.3%
45.7%	7,593	7,885	292	3.9%
46.9%	7,564	7,855	291	3.8%
48.1%	7,529	7,828	299	4.0%
49.4%	7,515	7,737	222	3.0%
50.6%	7,507	7,723	216	2.9%
51.9%	7,476	7,704	228	3.0%
53.1%	7,454	7,683	228	3.1%
54.3%	7,447	7,672	225	3.0%
55.6%	7,288	7,671	383	5.3%
56.8%	7,176	7,611	435	6.1%
58.0%	7,150	7,497	347	4.8%
59.3%	7,146	7,492	346	4.8%
60.5%	7,063	7,288	225	3.2%
61.7%	7,050	7,285	235	3.3%
63.0%	7,043	7,220	177	2.5%
64.2%	7,023	7,138	115	1.6%
65.4%	7,003	7,116	114	1.6%
66.7%	6,993	7,108	115	1.6%
67.9%	6,911	7,081	170	2.5%
69.1%	6,778	7,045	266	3.9%
70.4%	6,754	7,003	249	3.7%
71.6%	6,612	6,981	369	5.6%
72.8%	6,568	6,938	370	5.6%
74.1%	6,548	6,808	260	4.0%
75.3%	6,515	6,629	114	1.7%
76.5%	6,473	6,514	41	0.6%
77.8%	6,336	6,416	80	1.3%
79.0%	6,302	6,288	-14	-0.2%
80.2%	6,116	6,265	149	2.4%
81.5%	5,998	6,157	159	2.7%
82.7%	5,830	5,982	152	2.6%
84.0%	5,825	5,837	12	0.2%
85.2%	5,621	5,587	-34	-0.6%
86.4%	5,568	5,510	-58	-1.0%
87.7%	5,410	5,462	52	1.0%
88.9%	5,322	5,412	90	1.7%
90.1%	5,266	5,360	94	1.8%
91.4%	5,108	5,294	186	3.6%
92.6%	4,978	5,284	306	6.1%
93.8%	4,819	5,101	282	5.8%
95.1%	3,064	4,813	1,749	57.1%
96.3%	2,732	4,236	1,504	55.0%
97.5%	2,159	3,063	904	41.9%
98.8%	2,091	2,235	144	6.9%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,458	8,458	0	0.0%
18.5%	8,458	8,458	0	0.0%
19.8%	8,458	8,458	0	0.0%
21.0%	8,431	8,458	28	0.3%
22.2%	8,388	8,458	71	0.8%
23.5%	8,385	8,431	46	0.5%
24.7%	8,323	8,418	94	1.1%
25.9%	8,303	8,397	95	1.1%
27.2%	8,233	8,396	163	2.0%
28.4%	8,215	8,384	168	2.1%
29.6%	8,209	8,323	114	1.4%
30.9%	8,099	8,316	217	2.7%
32.1%	8,024	8,269	245	3.0%
33.3%	8,013	8,215	202	2.5%
34.6%	7,948	8,127	179	2.3%
35.8%	7,933	8,117	184	2.3%
37.0%	7,933	8,035	102	1.3%
38.3%	7,909	8,024	115	1.5%
39.5%	7,827	7,985	158	2.0%
40.7%	7,786	7,972	186	2.4%
42.0%	7,722	7,938	216	2.8%
43.2%	7,705	7,933	228	3.0%
44.4%	7,705	7,924	219	2.8%
45.7%	7,675	7,896	221	2.9%
46.9%	7,632	7,797	165	2.2%
48.1%	7,609	7,786	177	2.3%
49.4%	7,590	7,719	128	1.7%
50.6%	7,494	7,706	212	2.8%
51.9%	7,485	7,696	211	2.8%
53.1%	7,438	7,676	237	3.2%
54.3%	7,420	7,652	232	3.1%
55.6%	7,370	7,485	114	1.5%
56.8%	7,353	7,470	117	1.6%
58.0%	7,286	7,453	167	2.3%
59.3%	7,270	7,355	85	1.2%
60.5%	7,174	7,353	179	2.5%
61.7%	7,091	7,317	226	3.2%
63.0%	7,043	7,207	164	2.3%
64.2%	6,971	7,170	199	2.9%
65.4%	6,933	7,042	108	1.6%
66.7%	6,887	6,873	-14	-0.2%
67.9%	6,807	6,800	-7	-0.1%
69.1%	6,800	6,780	-20	-0.3%
70.4%	6,794	6,777	-17	-0.3%
71.6%	6,746	6,736	-11	-0.2%
72.8%	6,736	6,682	-54	-0.8%
74.1%	6,546	6,608	62	0.9%
75.3%	6,535	6,586	51	0.8%
76.5%	6,490	6,568	78	1.2%
77.8%	6,383	6,383	0	0.0%
79.0%	6,315	6,330	15	0.2%
80.2%	6,232	6,312	81	1.3%
81.5%	6,209	6,291	82	1.3%
82.7%	6,034	6,232	198	3.3%
84.0%	5,786	6,104	317	5.5%
85.2%	5,751	6,002	250	4.4%
86.4%	5,718	5,908	189	3.3%
87.7%	5,398	5,852	455	8.4%
88.9%	5,390	5,804	414	7.7%
90.1%	5,339	5,778	439	8.2%
91.4%	5,015	5,751	737	14.7%
92.6%	4,575	5,485	910	19.9%
93.8%	4,404	5,300	896	20.3%
95.1%	4,364	4,588	224	5.1%
96.3%	4,308	4,480	172	4.0%
97.5%	4,181	4,318	137	3.3%
98.8%	3,873	3,873	-1	0.0%
100.0%	3,154	3,153	-1	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,457	8,458	2	0.0%
18.5%	8,451	8,458	8	0.1%
19.8%	8,449	8,449	0	0.0%
21.0%	8,431	8,444	13	0.2%
22.2%	8,422	8,431	9	0.1%
23.5%	8,422	8,422	0	0.0%
24.7%	8,422	8,422	0	0.0%
25.9%	8,412	8,422	9	0.1%
27.2%	8,394	8,412	18	0.2%
28.4%	8,376	8,394	18	0.2%
29.6%	8,357	8,376	18	0.2%
30.9%	8,339	8,375	36	0.4%
32.1%	8,320	8,357	37	0.4%
33.3%	8,320	8,339	18	0.2%
34.6%	8,265	8,320	55	0.7%
35.8%	8,204	8,320	116	1.4%
37.0%	8,201	8,265	64	0.8%
38.3%	8,184	8,201	17	0.2%
39.5%	8,173	8,195	22	0.3%
40.7%	8,164	8,173	9	0.1%
42.0%	8,134	8,164	30	0.4%
43.2%	8,015	8,159	144	1.8%
44.4%	7,829	8,147	318	4.1%
45.7%	7,812	8,133	321	4.1%
46.9%	7,783	7,977	194	2.5%
48.1%	7,769	7,927	157	2.0%
49.4%	7,752	7,904	152	2.0%
50.6%	7,712	7,857	145	1.9%
51.9%	7,694	7,836	142	1.8%
53.1%	7,578	7,829	251	3.3%
54.3%	7,573	7,694	121	1.6%
55.6%	7,568	7,674	106	1.4%
56.8%	7,442	7,580	139	1.9%
58.0%	7,399	7,507	108	1.5%
59.3%	7,359	7,399	40	0.5%
60.5%	7,348	7,380	32	0.4%
61.7%	7,327	7,345	17	0.2%
63.0%	7,189	7,308	119	1.6%
64.2%	7,132	7,240	108	1.5%
65.4%	7,123	7,204	81	1.1%
66.7%	7,101	7,201	100	1.4%
67.9%	7,088	7,144	56	0.8%
69.1%	7,049	7,132	83	1.2%
70.4%	6,987	7,123	136	1.9%
71.6%	6,954	7,086	131	1.9%
72.8%	6,846	7,054	209	3.1%
74.1%	6,792	7,049	257	3.8%
75.3%	6,754	6,918	164	2.4%
76.5%	6,726	6,875	149	2.2%
77.8%	6,700	6,772	72	1.1%
79.0%	6,693	6,726	33	0.5%
80.2%	6,475	6,693	218	3.4%
81.5%	6,225	6,673	448	7.2%
82.7%	6,089	6,301	212	3.5%
84.0%	6,048	6,280	232	3.8%
85.2%	6,025	6,221	195	3.2%
86.4%	5,987	6,168	181	3.0%
87.7%	5,967	6,107	140	2.3%
88.9%	5,894	6,064	169	2.9%
90.1%	5,722	6,025	303	5.3%
91.4%	5,620	5,982	362	6.4%
92.6%	5,325	5,894	569	10.7%
93.8%	5,206	5,721	515	9.9%
95.1%	5,199	5,426	228	4.4%
96.3%	5,179	5,344	165	3.2%
97.5%	5,073	5,243	170	3.4%
98.8%	3,626	4,009	384	10.6%
100.0%	3,393	3,418	25	0.7%

Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,449	8,458	9	0.1%
16.0%	8,449	8,458	9	0.1%
17.3%	8,446	8,458	13	0.2%
18.5%	8,433	8,449	17	0.2%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,436	24	0.3%
22.2%	8,394	8,433	39	0.5%
23.5%	8,376	8,431	55	0.7%
24.7%	8,376	8,412	37	0.4%
25.9%	8,375	8,412	37	0.4%
27.2%	8,348	8,394	46	0.6%
28.4%	8,348	8,390	42	0.5%
29.6%	8,348	8,376	28	0.3%
30.9%	8,348	8,376	28	0.3%
32.1%	8,339	8,348	9	0.1%
33.3%	8,339	8,348	9	0.1%
34.6%	8,320	8,348	28	0.3%
35.8%	8,312	8,348	36	0.4%
37.0%	8,311	8,339	28	0.3%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,320	37	0.4%
40.7%	8,283	8,311	28	0.3%
42.0%	8,274	8,311	37	0.4%
43.2%	8,265	8,283	18	0.2%
44.4%	8,210	8,283	74	0.9%
45.7%	8,168	8,274	106	1.3%
46.9%	8,164	8,265	101	1.2%
48.1%	8,069	8,213	144	1.8%
49.4%	8,007	8,210	203	2.5%
50.6%	7,995	8,193	198	2.5%
51.9%	7,989	8,190	202	2.5%
53.1%	7,970	8,164	193	2.4%
54.3%	7,893	8,007	114	1.4%
55.6%	7,890	7,989	99	1.3%
56.8%	7,807	7,981	175	2.2%
58.0%	7,702	7,970	268	3.5%
59.3%	7,681	7,945	264	3.4%
60.5%	7,620	7,917	297	3.9%
61.7%	7,620	7,890	270	3.5%
63.0%	7,565	7,671	106	1.4%
64.2%	7,497	7,620	123	1.6%
65.4%	7,313	7,620	307	4.2%
66.7%	7,240	7,565	325	4.5%
67.9%	7,188	7,472	284	4.0%
69.1%	7,169	7,357	188	2.6%
70.4%	7,120	7,265	145	2.0%
71.6%	7,113	7,158	44	0.6%
72.8%	7,113	7,152	38	0.5%
74.1%	7,095	7,113	18	0.3%
75.3%	7,095	7,113	19	0.3%
76.5%	7,006	7,103	98	1.4%
77.8%	6,996	7,095	99	1.4%
79.0%	6,994	6,996	2	0.0%
80.2%	6,962	6,957	-5	-0.1%
81.5%	6,957	6,944	-12	-0.2%
82.7%	6,920	6,920	0	0.0%
84.0%	6,883	6,909	26	0.4%
85.2%	6,846	6,900	54	0.8%
86.4%	6,844	6,883	39	0.6%
87.7%	6,719	6,843	124	1.8%
88.9%	6,521	6,819	298	4.6%
90.1%	6,395	6,460	65	1.0%
91.4%	6,343	6,395	52	0.8%
92.6%	6,324	6,341	18	0.3%
93.8%	6,288	6,324	36	0.6%
95.1%	5,560	6,288	728	13.1%
96.3%	5,451	5,996	545	10.0%
97.5%	4,808	5,721	913	19.0%
98.8%	3,124	3,501	376	12.0%
100.0%	2,794	2,834	39	1.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,380	9,380	0	0.0%
1.2%	9,380	9,380	0	0.0%
2.5%	9,380	9,380	0	0.0%
3.7%	9,380	9,380	0	0.0%
4.9%	9,361	9,361	0	0.0%
6.2%	9,361	9,361	0	0.0%
7.4%	9,361	9,361	0	0.0%
8.6%	9,352	9,352	0	0.0%
9.9%	9,352	9,352	0	0.0%
11.1%	9,334	9,352	18	0.2%
12.3%	9,325	9,334	9	0.1%
13.6%	9,325	9,325	0	0.0%
14.8%	9,315	9,325	9	0.1%
16.0%	9,315	9,315	0	0.0%
17.3%	9,306	9,315	9	0.1%
18.5%	9,306	9,306	0	0.0%
19.8%	9,306	9,306	0	0.0%
21.0%	9,306	9,306	0	0.0%
22.2%	9,306	9,306	0	0.0%
23.5%	9,297	9,297	0	0.0%
24.7%	9,278	9,278	0	0.0%
25.9%	9,278	9,278	0	0.0%
27.2%	9,260	9,266	6	0.1%
28.4%	9,260	9,260	0	0.0%
29.6%	9,251	9,260	9	0.1%
30.9%	9,244	9,251	7	0.1%
32.1%	9,242	9,249	7	0.1%
33.3%	9,232	9,242	9	0.1%
34.6%	9,223	9,232	9	0.1%
35.8%	9,214	9,223	9	0.1%
37.0%	9,205	9,214	9	0.1%
38.3%	9,205	9,205	0	0.0%
39.5%	9,177	9,205	28	0.3%
40.7%	9,149	9,177	28	0.3%
42.0%	9,147	9,162	14	0.2%
43.2%	9,122	9,157	35	0.4%
44.4%	9,122	9,149	28	0.3%
45.7%	9,122	9,122	0	0.0%
46.9%	9,113	9,122	9	0.1%
48.1%	9,103	9,113	9	0.1%
49.4%	9,030	9,103	74	0.8%
50.6%	9,023	9,089	66	0.7%
51.9%	9,002	9,030	28	0.3%
53.1%	9,002	9,013	11	0.1%
54.3%	8,989	9,006	17	0.2%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	9,002	55	0.6%
58.0%	8,947	8,987	40	0.4%
59.3%	8,919	8,956	37	0.4%
60.5%	8,891	8,947	55	0.6%
61.7%	8,882	8,947	64	0.7%
63.0%	8,843	8,919	76	0.9%
64.2%	8,827	8,891	64	0.7%
65.4%	8,826	8,882	57	0.6%
66.7%	8,801	8,827	26	0.3%
67.9%	8,689	8,826	137	1.6%
69.1%	8,615	8,708	92	1.1%
70.4%	8,597	8,689	92	1.1%
71.6%	8,580	8,675	96	1.1%
72.8%	8,378	8,619	241	2.9%
74.1%	8,354	8,615	261	3.1%
75.3%	8,328	8,597	269	3.2%
76.5%	8,263	8,408	145	1.8%
77.8%	8,238	8,354	116	1.4%
79.0%	8,151	8,328	177	2.2%
80.2%	8,069	8,262	193	2.4%
81.5%	7,953	8,148	195	2.5%
82.7%	7,948	8,119	171	2.2%
84.0%	7,947	8,103	156	2.0%
85.2%	7,880	8,095	216	2.7%
86.4%	7,695	7,848	154	2.0%
87.7%	7,492	7,696	205	2.7%
88.9%	7,436	7,397	-39	-0.5%
90.1%	7,359	7,302	-57	-0.8%
91.4%	7,105	7,140	35	0.5%
92.6%	6,901	6,896	-5	-0.1%
93.8%	6,893	6,771	-122	-1.8%
95.1%	6,181	6,704	523	8.5%
96.3%	6,022	6,488	466	7.7%
97.5%	5,951	6,369	418	7.0%
98.8%	5,466	6,055	589	10.8%
100.0%	3,068	3,444	376	12.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,132	10,132	0	0.0%
27.2%	10,132	10,132	0	0.0%
28.4%	10,132	10,132	0	0.0%
29.6%	10,132	10,132	0	0.0%
30.9%	10,132	10,132	0	0.0%
32.1%	10,132	10,132	0	0.0%
33.3%	10,132	10,132	0	0.0%
34.6%	10,132	10,132	0	0.0%
35.8%	10,132	10,132	0	0.0%
37.0%	10,132	10,132	0	0.0%
38.3%	10,132	10,132	0	0.0%
39.5%	10,132	10,132	0	0.0%
40.7%	10,132	10,132	0	0.0%
42.0%	10,132	10,132	0	0.0%
43.2%	10,132	10,132	0	0.0%
44.4%	10,132	10,132	0	0.0%
45.7%	10,132	10,132	0	0.0%
46.9%	10,132	10,132	0	0.0%
48.1%	10,132	10,132	0	0.0%
49.4%	10,132	10,132	0	0.0%
50.6%	10,132	10,132	0	0.0%
51.9%	10,132	10,132	0	0.0%
53.1%	10,132	10,132	0	0.0%
54.3%	10,132	10,132	0	0.0%
55.6%	10,132	10,132	0	0.0%
56.8%	10,132	10,132	0	0.0%
58.0%	10,132	10,132	0	0.0%
59.3%	10,132	10,132	0	0.0%
60.5%	10,132	10,132	0	0.0%
61.7%	10,132	10,132	0	0.0%
63.0%	10,132	10,132	0	0.0%
64.2%	10,081	10,132	50	0.5%
65.4%	10,045	10,045	0	0.0%
66.7%	9,928	10,044	117	1.2%
67.9%	9,877	9,923	46	0.5%
69.1%	9,814	9,854	40	0.4%
70.4%	9,807	9,812	5	0.1%
71.6%	9,802	9,802	0	0.0%
72.8%	9,645	9,767	122	1.3%
74.1%	9,607	9,640	32	0.3%
75.3%	9,568	9,609	41	0.4%
76.5%	9,441	9,436	-5	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,394	563	6.4%
80.2%	8,754	9,126	371	4.2%
81.5%	8,665	8,919	255	2.9%
82.7%	8,654	8,831	177	2.0%
84.0%	8,482	8,649	167	2.0%
85.2%	8,431	8,537	106	1.3%
86.4%	8,095	8,055	-40	-0.5%
87.7%	7,826	7,927	101	1.3%
88.9%	7,736	7,854	118	1.5%
90.1%	7,509	7,541	32	0.4%
91.4%	7,438	7,518	80	1.1%
92.6%	7,403	7,396	-7	-0.1%
93.8%	7,155	7,357	202	2.8%
95.1%	6,871	7,016	145	2.1%
96.3%	6,845	6,650	-195	-2.8%
97.5%	6,157	6,645	488	7.9%
98.8%	5,955	6,469	514	8.6%
100.0%	2,825	3,053	227	8.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,171	11,171	0	0.0%
45.7%	11,171	11,171	0	0.0%
46.9%	11,171	11,171	0	0.0%
48.1%	11,171	11,171	0	0.0%
49.4%	11,171	11,171	0	0.0%
50.6%	11,171	11,171	0	0.0%
51.9%	11,171	11,171	0	0.0%
53.1%	11,171	11,171	0	0.0%
54.3%	11,171	11,171	0	0.0%
55.6%	11,171	11,171	0	0.0%
56.8%	11,171	11,112	-60	-0.5%
58.0%	11,171	11,080	-92	-0.8%
59.3%	10,982	10,982	0	0.0%
60.5%	10,716	10,716	0	0.0%
61.7%	10,687	10,677	-10	-0.1%
63.0%	10,470	10,462	-8	-0.1%
64.2%	10,453	10,444	-9	-0.1%
65.4%	10,349	10,442	93	0.9%
66.7%	10,309	10,386	77	0.7%
67.9%	10,259	10,317	58	0.6%
69.1%	10,252	10,289	37	0.4%
70.4%	10,208	10,216	8	0.1%
71.6%	10,129	10,161	32	0.3%
72.8%	9,955	10,119	164	1.6%
74.1%	9,845	9,891	45	0.5%
75.3%	9,734	9,845	112	1.1%
76.5%	9,717	9,811	94	1.0%
77.8%	9,674	9,677	3	0.0%
79.0%	9,588	9,588	0	0.0%
80.2%	9,404	9,542	138	1.5%
81.5%	9,137	9,281	143	1.6%
82.7%	9,036	9,278	242	2.7%
84.0%	8,758	8,796	38	0.4%
85.2%	8,322	8,338	16	0.2%
86.4%	8,205	8,205	0	0.0%
87.7%	8,078	8,043	-35	-0.4%
88.9%	7,968	7,990	21	0.3%
90.1%	7,851	7,959	109	1.4%
91.4%	7,842	7,862	20	0.3%
92.6%	7,433	7,562	128	1.7%
93.8%	7,315	7,555	240	3.3%
95.1%	7,183	7,521	338	4.7%
96.3%	6,784	6,619	-166	-2.4%
97.5%	6,130	6,569	440	7.2%
98.8%	5,984	6,507	524	8.8%
100.0%	2,957	2,945	-12	-0.4%

Table SW-26-3b
Folsom Lake, End of Month Area
Probability of Exceedance

Percent Exceedance Probability (%)	June				July				August				September			
	No Action Alternative	Alternative A	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (ACRE)	Relative Difference (%)	No Action Alternative	Alternative A	Absolute Difference (ACRE)	Relative Difference (%)
	End of Month Area (ACRE)	End of Month Area (ACRE)			End of Month Area (ACRE)	End of Month Area (ACRE)			End of Month Area (ACRE)	End of Month Area (ACRE)			End of Month Area (ACRE)	End of Month Area (ACRE)		
0.0%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
1.2%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
2.5%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
3.7%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
4.9%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
6.2%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
7.4%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
8.6%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
9.9%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
11.1%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
12.3%	11,171	11,171	0	0.0%	11,023	11,023	0	0.0%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
13.6%	11,171	11,171	0	0.0%	11,023	10,884	-138	-1.3%	10,132	10,132	0	0.0%	9,149	9,149	0	0.0%
14.8%	11,171	11,171	0	0.0%	11,023	10,881	-141	-1.3%	10,132	10,132	0	0.0%	9,146	9,149	4	0.0%
16.0%	11,171	11,171	0	0.0%	11,023	10,873	-150	-1.4%	10,132	10,132	0	0.0%	9,129	9,149	21	0.2%
17.3%	11,171	11,171	0	0.0%	10,920	10,870	-50	-0.5%	10,132	10,132	0	0.0%	9,113	9,149	36	0.4%
18.5%	11,171	11,171	0	0.0%	10,868	10,841	-27	-0.2%	10,132	10,132	0	0.0%	9,103	9,149	46	0.5%
19.8%	11,171	11,171	0	0.0%	10,801	10,841	40	0.4%	10,132	10,132	0	0.0%	9,103	9,149	46	0.5%
21.0%	11,171	11,171	0	0.0%	10,773	10,841	68	0.6%	10,132	10,132	0	0.0%	9,098	9,149	51	0.6%
22.2%	11,171	11,171	0	0.0%	10,641	10,841	200	1.9%	10,132	10,132	0	0.0%	9,095	9,149	54	0.6%
23.5%	11,171	11,171	0	0.0%	10,571	10,841	270	2.6%	10,132	10,132	0	0.0%	9,041	9,149	109	1.2%
24.7%	11,171	11,171	0	0.0%	10,552	10,835	284	2.7%	10,132	10,132	0	0.0%	9,040	9,149	110	1.2%
25.9%	11,171	11,171	0	0.0%	10,512	10,834	321	3.1%	10,078	10,132	54	0.5%	9,032	9,149	118	1.3%
27.2%	11,171	11,171	0	0.0%	10,401	10,812	410	3.9%	10,016	10,132	115	1.2%	8,996	9,149	153	1.7%
28.4%	11,171	11,171	0	0.0%	10,145	10,791	646	6.4%	9,925	10,132	206	2.1%	8,966	9,149	183	2.0%
29.6%	11,171	11,171	0	0.0%	10,115	10,744	629	6.2%	9,784	10,051	267	2.7%	8,958	9,149	191	2.1%
30.9%	11,171	11,171	0	0.0%	10,100	10,716	616	6.1%	9,781	9,974	194	2.0%	8,924	9,149	226	2.5%
32.1%	11,171	11,171	0	0.0%	10,097	10,500	402	4.0%	9,772	9,971	199	2.0%	8,785	9,141	356	4.1%
33.3%	11,171	11,171	0	0.0%	10,082	10,450	368	3.7%	9,762	9,961	199	2.0%	8,773	9,103	330	3.8%
34.6%	11,171	11,171	0	0.0%	10,058	10,362	303	3.0%	9,653	9,958	305	3.2%	8,762	9,039	277	3.2%
35.8%	11,171	11,171	0	0.0%	10,026	10,347	320	3.2%	9,622	9,884	262	2.7%	8,687	9,037	350	4.0%
37.0%	11,171	11,171	0	0.0%	10,014	10,306	293	2.9%	9,573	9,840	266	2.8%	8,621	9,030	409	4.7%
38.3%	11,171	11,170	-2	0.0%	9,961	10,247	286	2.9%	9,543	9,822	279	2.9%	8,610	8,939	328	3.8%
39.5%	11,171	11,170	-2	0.0%	9,949	10,231	282	2.8%	9,535	9,730	195	2.1%	8,583	8,864	281	3.3%
40.7%	11,171	11,168	-3	0.0%	9,914	10,200	286	2.9%	9,516	9,715	199	2.1%	8,548	8,838	290	3.4%
42.0%	11,171	11,163	-8	-0.1%	9,897	10,189	292	2.9%	9,467	9,651	184	1.9%	8,542	8,775	232	2.7%
43.2%	11,171	11,162	-9	-0.1%	9,889	10,143	255	2.6%	9,241	9,594	353	3.8%	8,539	8,729	190	2.2%
44.4%	11,170	11,139	-31	-0.3%	9,825	10,138	313	3.2%	9,211	9,544	333	3.6%	8,454	8,717	263	3.1%
45.7%	11,170	11,133	-36	-0.3%	9,817	10,119	302	3.1%	9,053	9,528	475	5.2%	8,382	8,715	333	4.0%
46.9%	11,168	11,094	-73	-0.7%	9,812	10,093	280	2.9%	9,004	9,432	428	4.8%	8,277	8,689	412	5.0%
48.1%	11,162	11,076	-86	-0.8%	9,757	10,082	325	3.3%	8,875	9,235	360	4.1%	8,205	8,689	484	5.9%
49.4%	11,133	11,071	-62	-0.6%	9,734	10,074	340	3.5%	8,871	9,160	289	3.3%	8,107	8,686	579	7.1%
50.6%	11,104	11,068	-36	-0.3%	9,723	9,885	162	1.7%	8,859	9,122	263	3.0%	8,107	8,615	508	6.3%
51.9%	11,081	11,067	-13	-0.1%	9,556	9,759	203	2.1%	8,852	9,111	259	2.9%	8,100	8,571	472	5.8%
53.1%	11,067	11,005	-62	-0.6%	9,535	9,757	222	2.3%	8,759	9,103	345	3.9%	8,084	8,535	451	5.6%
54.3%	10,947	11,003	56	0.5%	9,411	9,693	282	3.0%	8,713	9,029	316	3.6%	8,023	8,487	465	5.8%
55.6%	10,808	10,989	181	1.7%	9,410	9,673	263	2.8%	8,451	8,918	467	5.5%	7,955	8,466	511	6.4%
56.8%	10,697	10,980	284	2.7%	9,322	9,586	264	2.8%	8,441	8,783	342	4.1%	7,935	8,449	514	6.5%
58.0%	10,639	10,947	308	2.9%	9,270	9,551	281	3.0%	8,336	8,689	353	4.2%	7,752	8,433	681	8.8%
59.3%	10,398	10,453	55	0.5%	9,016	9,535	519	5.8%	8,282	8,689	407	4.9%	7,714	8,297	583	7.6%
60.5%	10,297	10,398	101	1.0%	8,689	9,372	683	7.9%	8,160	8,620	460	5.6%	7,690	8,047	357	4.6%
61.7%	10,293	10,282	-11	-0.1%	8,580	9,270	689	8.0%	8,022	8,616	594	7.4%	7,604	7,833	228	3.0%
63.0%	10,269	10,185	-83	-0.8%	8,422	8,923	501	6.0%	7,981	8,495	514	6.4%	7,291	7,803	512	7.0%
64.2%	10,119	10,173	54	0.5%	8,389	8,688	298	3.6%	7,928	8,477	549	6.9%	7,189	7,697	508	7.1%
65.4%	9,962	10,121	159	1.6%	8,153	8,558	405	5.0%	7,529	8,255	726	9.6%	7,029	7,591	562	8.0%
66.7%	9,929	10,091	162	1.6%	8,125	8,447	322	4.0%	7,509	8,058	549	7.3%	6,990	7,517	528	7.5%
67.9%	9,748	9,788	40	0.4%	8,059	8,363	304	3.8%	7,505	7,753	247	3.3%	6,988	7,354	366	5.2%
69.1%	9,735	9,684	-52	-0.5%	7,941	8,155	214	2.7%	7,323	7,718	395	5.4%	6,836	7,217	381	5.6%
70.4%	9,692	9,554	-138	-1.4%	7,850	8,024	174	2.2%	7,179	7,710	531	7.4%	6,802	7,176	374	5.5%
71.6%	9,554	9,474	-80	-0.8%	7,816	7,984	168	2.1%	7,087	7,559	472	6.7%	6,730	7,149	420	6.2%
72.8%	9,412	9,401	-11	-0.1%	7,744	7,964	220	2.8%	6,985	7,289	303	4.3%	6,684	6,981	297	4.4%
74.1%	9,389	9,399	10	0.1%	7,629	7,902	273	3.6%	6,957	7,101	144	2.1%	6,639	6,766	127	1.9%
75.3%	9,308	9,365	57	0.6%	7,622	7,735	113	1.5%	6,929	6,919	-10	-0.1%	6,609	6,683	74	1.1%
76.5%	9,253	9,297	45	0.5%	7,551	7,614	63	0.8%	6,858	6,893	36	0.5%	6,560	6,662	102	1.6%
77.8%	8,951	9,251	300	3.4%	7,456	7,581	125	1.7%	6,725	6,824	100	1.5%	6,542	6,657	115	1.8%
79.0%	8,822	8,818	-4	0.0%	7,249	7,548	300	4.1%	6,658	6,812	155	2.3%	6,463	6,579	115	1.8%
80.2%	8,762	8,811	49	0.6%	7,211	7,297	85	1.2%	6,617	6,721	104	1.6%	6,450	6,417	-33	-0.5%
81.5%	8,691	8,776	85	1.0%	7,193	7,235	41	0.6%	6,570	6,711	141	2.1%	6,402	6,229	-173	-2.7%
82.7%	8,639	8,685	46	0.5%	7,001	7,167	166	2.4%	6,542	6,557	15	0.2%	6,375	6,163	-213	-3.3%
84.0%	8,471	8,309	-162	-1.9%	6,980	6,943	-37	-0.5%	6,465	6,517	52	0.8%	6,260	6,153	-107	-1.7%
85.2%	7,993	7,900	-93	-1.2%	6,745	6,902	156	2.3%	6,420	6,328	-92	-1.4%	6,124	5,978	-146	-2.4%
86.4%	7,928	7,803	-125	-1.6%	6,689	6,873	184	2.7%	6,116	6,224	107	1.8%	5,988	5,914	-74	-1.2%
87.7%	7,834	7,638	-195	-2.5%	6,681	6,868	187	2.8%	6,049	6,186	138	2.3%	5,801	5,910	109	1.9%
88.9%	7,469	7,526	57	0.8%	6,633	6,859	226	3.4%	5,974	6,181	207	3.5%	5,691	5,884	193	3.4%
90.1%	7,412	7,513	101	1.4%	6,301	6,754	453	7.2%	5,917	6,059	141	2.4%	5,535	5,782	247	4.5%
91.4%	7,315	7,495	180	2.5%	6,213	6,680	467	7.5%	5,905	5,927	22	0.4%	5,472	5,672	200	3.7%
92.6%	7,059	7,330	272	3.8%	6,077	6,594	517	8.5%	5,837	5,881	44	0.8%	5,437	5,543	106	2.0%
93.8%	6,540	7,256	716	10.9%	5,943	6,578	635	10.7%	5,478	5,761	283	5.2%	5,158	5,514	357	6.9%
95.1%	6,523	7,103	581	8.9%	5,941	5,978	36	0.6%	5,284	5,692	408	7.7%	4,921	4,964	43	0.9%
96.3%	6,148	6,669	520	8.5%	5,906	5,751	-155	-2.6%	5,115	5,508	393	7.7%	2,842	4,767	1,926	67.8%
97.5%	5,824	6,352	528	9.1%	4,288	5,402	1,114	26.0%	2,389	2,848	459	19.2%	2,091	2,244	153	7.3%
98.8%	4,142	6,092	1,950	47.1%	3,380	5,197	1,817	53.7%	2,091	2,789	698	33.4%	2,091	2,091	0	0.0%
100.0%	2,522	2,091	-431	-17.1%	2,091	2,091	0	0.0%	2,091	2,091	0	0.0%	2,091	2,091	0	0.0%

Table SW-27-3a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	1,498	2,745	3,268	4,368	5,068	3,686	3,255	3,461	3,526	3,640	2,501	2,679
Alternative A	1,560	2,735	3,362	4,407	5,071	3,731	3,284	3,480	3,484	3,224	2,630	2,683
Difference	62	-10	94	38	2	45	29	19	-42	-416	130	4
Percent Difference[3]	4.2%	-0.4%	2.9%	0.9%	0.0%	1.2%	0.9%	0.5%	-1.2%	-11.4%	5.2%	0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,634	3,901	3,618	8,626	9,123	6,055	5,197	5,968	5,780	3,898	3,267	4,293
Alternative A	1,788	3,882	3,704	8,700	9,127	6,053	5,197	5,968	5,800	3,605	3,407	4,032
Difference	154	-19	86	74	4	-1	0	0	19	-293	140	-261
Percent Difference	9.4%	-0.5%	2.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.3%	-7.5%	4.3%	-6.1%
Above Normal (15%)												
No Action Alternative	1,525	2,743	2,900	4,521	6,203	5,332	3,454	3,649	3,255	4,415	2,632	3,088
Alternative A	1,530	2,735	3,049	4,684	6,256	5,389	3,451	3,645	3,178	3,914	2,811	3,033
Difference	5	-8	150	163	52	57	-4	-3	-78	-501	179	-54
Percent Difference	0.3%	-0.3%	5.2%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.4%	-11.3%	6.8%	-1.8%
Below Normal (17%)												
No Action Alternative	1,649	3,356	3,983	2,273	4,139	2,387	2,972	2,799	2,637	4,835	2,397	2,060
Alternative A	1,780	3,466	4,037	2,341	4,055	2,379	3,111	2,853	2,608	3,612	2,641	2,563
Difference	131	111	54	68	-83	-8	139	55	-29	-1,223	244	504
Percent Difference	8.0%	3.3%	1.4%	3.0%	-2.0%	-0.3%	4.7%	2.0%	-1.1%	-25.3%	10.2%	24.5%
Dry (22%)												
No Action Alternative	1,439	1,771	4,027	1,709	1,773	2,010	1,907	1,715	2,372	3,254	2,308	1,593
Alternative A	1,426	1,745	4,210	1,637	1,807	2,133	1,821	1,743	2,370	2,995	2,191	1,648
Difference	-13	-26	182	-71	35	124	-86	27	-2	-259	-117	55
Percent Difference	-0.9%	-1.5%	4.5%	-4.2%	2.0%	6.2%	-4.5%	1.6%	-0.1%	-7.9%	-5.1%	3.4%
Critical (15%)												
No Action Alternative	1,089	990	906	1,423	1,175	939	1,197	1,234	1,679	1,493	1,118	1,123
Alternative A	1,044	884	872	1,390	1,177	1,014	1,368	1,263	1,466	1,599	1,414	1,099
Difference	-46	-107	-34	-33	2	75	171	29	-212	106	296	-23
Percent Difference	-4.2%	-10.8%	-3.8%	-2.3%	0.1%	7.9%	14.3%	2.3%	-12.7%	7.1%	26.5%	-2.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-27-3b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

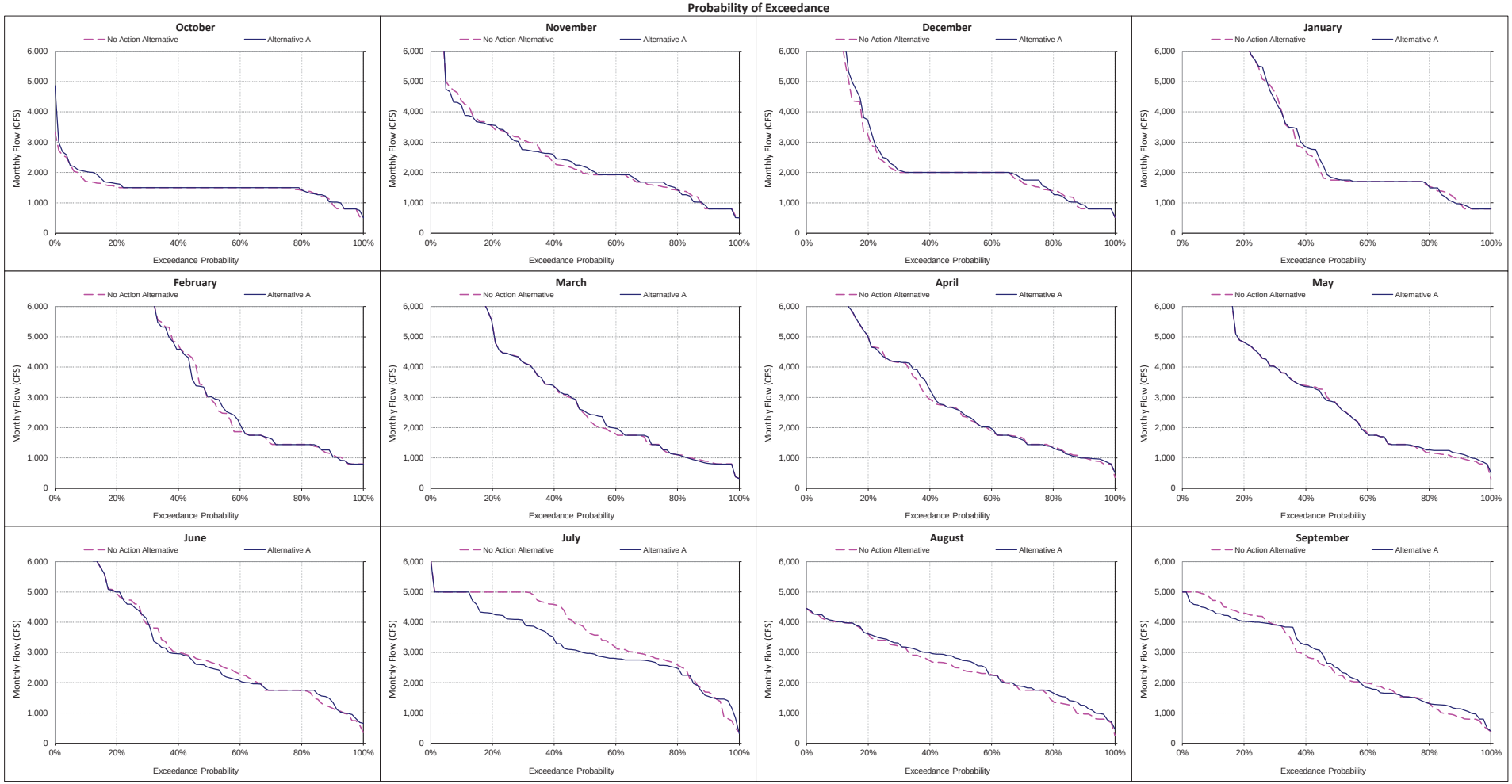

Table SW-27-3b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	4,864	1,527	45.8%
1.2%	2,727	2,989	263	9.6%
2.5%	2,572	2,680	108	4.2%
3.7%	2,503	2,585	82	3.3%
4.9%	2,265	2,238	-27	-1.2%
6.2%	2,035	2,196	161	7.9%
7.4%	1,999	2,093	94	4.7%
8.6%	1,841	2,061	220	11.9%
9.9%	1,712	2,035	323	18.8%
11.1%	1,690	2,010	320	18.9%
12.3%	1,687	2,005	318	18.8%
13.6%	1,654	1,935	281	17.0%
14.8%	1,640	1,822	181	11.1%
16.0%	1,597	1,694	97	6.1%
17.3%	1,567	1,678	111	7.1%
18.5%	1,563	1,662	99	6.3%
19.8%	1,534	1,630	95	6.2%
21.0%	1,500	1,615	115	7.7%
22.2%	1,500	1,500	0	0.0%
23.5%	1,500	1,500	0	0.0%
24.7%	1,500	1,500	0	0.0%
25.9%	1,500	1,500	0	0.0%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,442	1,500	58	4.0%
79.0%	1,428	1,500	72	5.0%
80.2%	1,409	1,411	2	0.1%
81.5%	1,388	1,358	-29	-2.1%
82.7%	1,371	1,317	-54	-3.9%
84.0%	1,318	1,299	-19	-1.4%
85.2%	1,286	1,269	-17	-1.3%
86.4%	1,205	1,266	61	5.1%
87.7%	1,196	1,226	30	2.5%
88.9%	1,119	1,034	-84	-7.6%
90.1%	918	1,024	105	11.5%
91.4%	800	1,022	222	27.8%
92.6%	800	995	195	24.3%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	537	745	208	38.7%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	16,676	-578	-3.3%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,380	585	8.6%
4.9%	5,000	4,750	-250	-5.0%
6.2%	4,822	4,672	-150	-3.1%
7.4%	4,716	4,319	-397	-8.4%
8.6%	4,634	4,310	-323	-7.0%
9.9%	4,380	4,237	-143	-3.3%
11.1%	4,248	3,886	-362	-8.5%
12.3%	4,205	3,878	-327	-7.8%
13.6%	3,886	3,838	-48	-1.2%
14.8%	3,786	3,681	-105	-2.8%
16.0%	3,680	3,655	-25	-0.7%
17.3%	3,676	3,635	-41	-1.1%
18.5%	3,621	3,577	-44	-1.2%
19.8%	3,532	3,567	35	1.0%
21.0%	3,407	3,554	147	4.3%
22.2%	3,407	3,438	32	0.9%
23.5%	3,378	3,417	39	1.1%
24.7%	3,306	3,297	-9	-0.3%
25.9%	3,250	3,141	-109	-3.3%
27.2%	3,186	3,051	-135	-4.2%
28.4%	3,177	3,020	-157	-4.9%
29.6%	3,058	2,752	-306	-10.0%
30.9%	3,045	2,747	-297	-9.8%
32.1%	2,980	2,724	-256	-8.6%
33.3%	2,974	2,699	-275	-9.2%
34.6%	2,908	2,685	-223	-7.7%
35.8%	2,685	2,652	-33	-1.2%
37.0%	2,544	2,634	90	3.5%
38.3%	2,521	2,626	106	4.2%
39.5%	2,364	2,601	237	10.0%
40.7%	2,261	2,446	185	8.2%
42.0%	2,246	2,445	199	8.9%
43.2%	2,216	2,425	209	9.5%
44.4%	2,206	2,406	200	9.1%
45.7%	2,163	2,351	188	8.7%
46.9%	2,100	2,245	145	6.9%
48.1%	2,098	2,244	146	6.9%
49.4%	1,979	2,206	228	11.5%
50.6%	1,956	2,163	207	10.6%
51.9%	1,925	2,078	153	8.0%
53.1%	1,925	2,018	93	4.8%
54.3%	1,925	1,925	0	0.0%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,925	0	0.0%
60.5%	1,925	1,925	0	0.0%
61.7%	1,925	1,925	0	0.0%
63.0%	1,925	1,925	0	0.0%
64.2%	1,815	1,925	110	6.1%
65.4%	1,773	1,856	83	4.7%
66.7%	1,683	1,771	88	5.2%
67.9%	1,683	1,683	0	0.0%
69.1%	1,683	1,683	0	0.0%
70.4%	1,597	1,683	87	5.4%
71.6%	1,589	1,683	94	5.9%
72.8%	1,570	1,683	113	7.2%
74.1%	1,561	1,683	122	7.8%
75.3%	1,523	1,683	160	10.5%
76.5%	1,511	1,581	70	4.6%
77.8%	1,442	1,546	103	7.2%
79.0%	1,428	1,504	75	5.3%
80.2%	1,409	1,411	2	0.1%
81.5%	1,388	1,269	-119	-8.6%
82.7%	1,371	1,266	-105	-7.6%
84.0%	1,286	1,226	-60	-4.6%
85.2%	1,205	1,034	-171	-14.2%
86.4%	1,196	1,024	-172	-14.4%
87.7%	985	1,022	37	3.7%
88.9%	800	921	121	15.1%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	567	508	-58	-10.3%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,206	400	2.0%
1.2%	16,694	17,085	391	2.3%
2.5%	15,826	16,694	868	5.5%
3.7%	15,819	15,819	0	0.0%
4.9%	13,854	13,848	-6	0.0%
6.2%	12,876	13,315	439	3.4%
7.4%	9,069	9,069	0	0.0%
8.6%	8,809	8,791	-18	-0.2%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,653	0	0.0%
12.3%	5,722	6,366	643	11.2%
13.6%	5,079	5,329	250	4.9%
14.8%	4,368	4,973	605	13.9%
16.0%	4,345	4,735	391	9.0%
17.3%	4,340	4,474	135	3.1%
18.5%	3,325	3,811	486	14.6%
19.8%	3,291	3,742	451	13.7%
21.0%	2,909	3,315	406	14.0%
22.2%	2,828	2,909	81	2.9%
23.5%	2,466	2,732	265	10.8%
24.7%	2,388	2,499	111	4.7%
25.9%	2,287	2,466	179	7.8%
27.2%	2,156	2,305	148	6.9%
28.4%	2,091	2,227	136	6.5%
29.6%	2,000	2,083	83	4.1%
30.9%	2,000	2,048	48	2.4%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,886	1,973	86	4.6%
67.9%	1,750	1,928	178	10.2%
69.1%	1,750	1,841	91	5.2%
70.4%	1,632	1,750	118	7.2%
71.6%	1,595	1,750	155	9.7%
72.8%	1,583	1,750	167	10.5%
74.1%	1,532	1,750	218	14.3%
75.3%	1,515	1,750	235	15.5%
76.5%	1,442	1,562	120	8.3%
77.8%	1,428	1,505	77	5.4%
79.0%	1,409	1,411	2	0.1%
80.2%	1,388	1,269	-119	-8.6%
81.5%	1,371	1,266	-105	-7.6%
82.7%	1,286	1,226	-60	-4.6%
84.0%	1,205	1,134	-71	-5.9%
85.2%	1,196	1,034	-162	-13.5%
86.4%	1,184	1,024	-160	-13.6%
87.7%	884	1,022	138	15.6%
88.9%	800	953	153	19.1%
90.1%	800	921	121	15.1%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	519	517	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	31,335	0	0.0%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,666	-14	-0.1%
3.7%	15,659	15,772	113	0.7%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,468	44	0.4%
11.1%	10,105	10,105	0	0.0%
12.3%	9,283	9,277	-6	-0.1%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,882	-6	-0.1%
17.3%	7,553	7,553	0	0.0%
18.5%	6,772	6,858	86	1.3%
19.8%	6,713	6,532	-180	-2.7%
21.0%	6,262	6,262	0	0.0%
22.2%	5,887	5,886	-1	0.0%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,515	33	0.6%
25.9%	5,086	5,483	397	7.8%
27.2%	5,013	5,068	54	1.1%
28.4%	4,879	4,696	-183	-3.8%
29.6%	4,702	4,454	-248	-5.3%
30.9%	4,454	4,212	-242	-5.4%
32.1%	4,017	4,007	-10	-0.3%
33.3%	3,589	3,634	45	1.3%
34.6%	3,465	3,490	25	0.7%
35.8%	3,450	3,484	34	1.0%
37.0%	2,889	3,450	561	19.4%
38.3%	2,849	3,017	168	5.9%
39.5%	2,764	2,879	115	4.2%
40.7%	2,590	2,810	220	8.5%
42.0%	2,538	2,764	226	8.9%
43.2%	2,441	2,757	316	12.9%
44.4%	2,099	2,458	358	17.1%
45.7%	1,818	2,228	410	22.6%
46.9%	1,780	1,924	144	8.1%
48.1%	1,750	1,846	96	5.5%
49.4%	1,750	1,807	57	3.3%
50.6%	1,750	1,767	17	1.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,750	50	2.9%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,639	36	2.2%
80.2%	1,532	1,488	-44	-2.9%
81.5%	1,488	1,488	0	0.0%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,266	-121	-8.7%
85.2%	1,356	1,199	-157	-11.6%
86.4%	1,288	1,079	-209	-16.2%
87.7%	1,214	1,034	-180	-14.8%
88.9%	1,093	970	-123	-11.2%
90.1%	972	964	-8	-0.8%
91.4%	800	921	121	15.1%
92.6%	800	869	69	8.6%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-27-3b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,177	-6	0.0%
1.2%	15,713	15,706	-7	0.0%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,467	0	0.0%
4.9%	13,432	13,432	0	0.0%
6.2%	13,208	13,193	-15	-0.1%
7.4%	12,504	12,437	-68	-0.5%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,418	-11	-0.1%
11.1%	11,154	11,154	0	0.0%
12.3%	10,888	10,888	0	0.0%
13.6%	10,509	10,509	0	0.0%
14.8%	10,034	10,031	-3	0.0%
16.0%	9,949	9,949	0	0.0%
17.3%	9,690	9,690	0	0.0%
18.5%	9,477	9,477	0	0.0%
19.8%	9,309	9,307	-1	0.0%
21.0%	8,067	8,140	73	0.9%
22.2%	7,930	8,067	136	1.7%
23.5%	7,769	7,930	161	2.1%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,117	-7	-0.1%
27.2%	6,827	6,673	-154	-2.3%
28.4%	6,483	6,483	0	0.0%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,100	-1	0.0%
33.3%	5,552	5,480	-72	-1.3%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	4,980	-337	-6.3%
38.3%	4,844	4,844	0	0.0%
39.5%	4,835	4,593	-241	-5.0%
40.7%	4,593	4,593	-1	0.0%
42.0%	4,471	4,416	-56	-1.2%
43.2%	4,416	4,316	-99	-2.2%
44.4%	4,316	3,608	-708	-16.4%
45.7%	4,063	3,384	-680	-16.7%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,338	-52	-1.5%
49.4%	3,005	3,037	31	1.0%
50.6%	2,927	3,020	93	3.2%
51.9%	2,802	2,951	150	5.4%
53.1%	2,548	2,926	378	14.8%
54.3%	2,476	2,678	203	8.2%
55.6%	2,471	2,528	57	2.3%
56.8%	2,260	2,475	215	9.5%
58.0%	1,869	2,410	541	29.0%
59.3%	1,864	2,260	396	21.2%
60.5%	1,863	1,999	136	7.3%
61.7%	1,822	1,792	-30	-1.6%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,521	1,667	146	9.6%
70.4%	1,445	1,619	174	12.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,388	1,445	57	4.1%
85.2%	1,363	1,393	30	2.2%
86.4%	1,264	1,264	0	0.0%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,034	-61	-5.5%
91.4%	1,033	1,019	-14	-1.3%
92.6%	1,032	921	-111	-10.8%
93.8%	929	917	-12	-1.3%
95.1%	800	819	19	2.4%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,578	0	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,480	487	4.1%
3.7%	11,925	11,993	67	0.6%
4.9%	11,784	11,925	141	1.2%
6.2%	10,972	10,972	0	0.0%
7.4%	10,571	10,581	10	0.1%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,430	631	8.1%
11.1%	7,677	7,677	0	0.0%
12.3%	7,243	7,243	0	0.0%
13.6%	6,620	6,620	0	0.0%
14.8%	6,390	6,390	0	0.0%
16.0%	6,154	6,154	0	0.0%
17.3%	6,122	6,122	0	0.0%
18.5%	5,855	5,855	0	0.0%
19.8%	5,555	5,544	-10	-0.2%
21.0%	4,798	4,798	0	0.0%
22.2%	4,554	4,554	0	0.0%
23.5%	4,467	4,467	0	0.0%
24.7%	4,458	4,454	-4	-0.1%
25.9%	4,407	4,404	-4	-0.1%
27.2%	4,379	4,367	-12	-0.3%
28.4%	4,336	4,336	0	0.0%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,064	-8	-0.2%
33.3%	3,946	3,924	-22	-0.6%
34.6%	3,725	3,725	0	0.0%
35.8%	3,649	3,649	0	0.0%
37.0%	3,442	3,442	0	0.0%
38.3%	3,429	3,429	0	0.0%
39.5%	3,399	3,399	0	0.0%
40.7%	3,295	3,295	0	0.0%
42.0%	3,101	3,167	66	2.1%
43.2%	3,100	3,108	8	0.3%
44.4%	3,022	3,096	74	2.4%
45.7%	2,979	2,986	7	0.2%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,617	-1	0.0%
49.4%	2,500	2,574	74	2.9%
50.6%	2,377	2,488	111	4.7%
51.9%	2,190	2,426	236	10.8%
53.1%	2,085	2,420	336	16.1%
54.3%	2,010	2,377	367	18.3%
55.6%	1,996	2,364	368	18.5%
56.8%	1,969	2,083	114	5.8%
58.0%	1,872	2,010	138	7.4%
59.3%	1,854	1,996	142	7.6%
60.5%	1,750	1,969	219	12.5%
61.7%	1,750	1,872	122	7.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,742	1,750	8	0.5%
69.1%	1,700	1,750	50	2.9%
70.4%	1,460	1,700	240	16.5%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,422	-23	-1.6%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,264	85	7.2%
77.8%	1,143	1,141	-2	-0.1%
79.0%	1,123	1,122	-1	-0.1%
80.2%	1,098	1,103	5	0.5%
81.5%	1,095	1,057	-38	-3.5%
82.7%	1,032	1,019	-13	-1.2%
84.0%	1,001	981	-19	-1.9%
85.2%	979	940	-39	-4.0%
86.4%	958	917	-41	-4.3%
87.7%	929	871	-58	-6.2%
88.9%	895	841	-54	-6.0%
90.1%	884	817	-67	-7.6%
91.4%	838	816	-22	-2.6%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	380	380	0	0.0%
100.0%	317	317	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,403	14,403	0	0.0%
1.2%	10,186	10,186	0	0.0%
2.5%	8,463	8,463	0	0.0%
3.7%	7,712	7,712	0	0.0%
4.9%	7,526	7,526	0	0.0%
6.2%	6,983	6,983	0	0.0%
7.4%	6,728	6,727	-1	0.0%
8.6%	6,683	6,683	0	0.0%
9.9%	6,561	6,561	0	0.0%
11.1%	6,327	6,327	0	0.0%
12.3%	6,325	6,325	0	0.0%
13.6%	5,990	5,990	0	0.0%
14.8%	5,835	5,835	0	0.0%
16.0%	5,594	5,594	0	0.0%
17.3%	5,400	5,400	0	0.0%
18.5%	5,201	5,201	0	0.0%
19.8%	5,050	5,049	-1	0.0%
21.0%	4,684	4,657	-27	-0.6%
22.2%	4,657	4,629	-28	-0.6%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,358	-149	-3.3%
25.9%	4,212	4,288	76	1.8%
27.2%	4,208	4,212	4	0.1%
28.4%	4,179	4,179	0	0.0%
29.6%	4,153	4,179	27	0.6%
30.9%	4,152	4,153	1	0.0%
32.1%	4,127	4,152	25	0.6%
33.3%	3,927	4,127	200	5.1%
34.6%	3,702	3,927	225	6.1%
35.8%	3,594	3,912	318	8.9%
37.0%	3,332	3,679	347	10.4%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,114	220	7.6%
42.0%	2,781	2,893	113	4.1%
43.2%	2,758	2,781	23	0.8%
44.4%	2,746	2,758	12	0.4%
45.7%	2,686	2,670	-16	-0.6%
46.9%	2,677	2,668	-9	-0.3%
48.1%	2,668	2,624	-45	-1.7%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,481	102	4.3%
51.9%	2,357	2,377	20	0.8%
53.1%	2,240	2,340	100	4.4%
54.3%	2,202	2,240	39	1.8%
55.6%	2,112	2,112	0	0.0%
56.8%	2,058	2,030	-27	-1.3%
58.0%	2,032	2,029	-3	-0.2%
59.3%	1,926	2,018	92	4.8%
60.5%	1,873	1,926	53	2.8%
61.7%	1,754	1,758	4	0.2%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,700	-31	-1.8%
67.9%	1,720	1,692	-28	-1.6%
69.1%	1,700	1,634	-66	-3.9%
70.4%	1,637	1,580	-57	-3.5%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,398	-47	-3.3%
79.0%	1,388	1,379	-8	-0.6%
80.2%	1,386	1,313	-73	-5.3%
81.5%	1,318	1,264	-53	-4.0%
82.7%	1,264	1,236	-28	-2.2%
84.0%	1,179	1,141	-38	-3.2%
85.2%	1,143	1,103	-40	-3.5%
86.4%	1,098	1,057	-41	-3.8%
87.7%	1,088	1,041	-47	-4.3%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	981	52	5.6%
93.8%	895	970	76	8.5%
95.1%	884	964	80	9.1%
96.3%	800	917	117	14.6%
97.5%	800	856	56	7.0%
98.8%	800	800	0	0.0%
100.0%	357	508	151	42.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,096	-30	-0.6%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,294	3	0.1%
27.2%	4,273	4,253	-20	-0.5%
28.4%	4,064	4,031	-33	-0.8%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	3,957	-1	0.0%
32.1%	3,810	3,810	0	0.0%
33.3%	3,805	3,805	0	0.0%
34.6%	3,665	3,665	0	0.0%
35.8%	3,550	3,550	0	0.0%
37.0%	3,473	3,473	0	0.0%
38.3%	3,415	3,412	-3	-0.1%
39.5%	3,399	3,371	-27	-0.8%
40.7%	3,371	3,354	-18	-0.5%
42.0%	3,354	3,345	-9	-0.2%
43.2%	3,345	3,277	-68	-2.0%
44.4%	3,277	3,225	-52	-1.6%
45.7%	3,267	3,010	-257	-7.9%
46.9%	2,995	2,894	-100	-3.3%
48.1%	2,894	2,876	-19	-0.7%
49.4%	2,853	2,841	-12	-0.4%
50.6%	2,709	2,709	0	0.0%
51.9%	2,575	2,575	0	0.0%
53.1%	2,508	2,499	-9	-0.3%
54.3%	2,394	2,394	0	0.0%
55.6%	2,287	2,286	-1	-0.1%
56.8%	2,204	2,196	-8	-0.4%
58.0%	1,970	1,970	0	0.0%
59.3%	1,900	1,850	-51	-2.7%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,473	14	0.9%
67.9%	1,445	1,445	0	0.0%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,422	35	2.5%
75.3%	1,386	1,379	-7	-0.5%
76.5%	1,284	1,362	78	6.0%
77.8%	1,281	1,320	39	3.0%
79.0%	1,179	1,264	85	7.2%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,250	97	8.4%
82.7%	1,143	1,250	107	9.4%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,184	152	14.7%
88.9%	1,001	1,161	160	16.0%
90.1%	1,001	1,141	140	14.0%
91.4%	958	1,103	145	15.1%
92.6%	929	1,057	128	13.8%
93.8%	895	995	100	11.2%
95.1%	884	981	98	11.0%
96.3%	800	917	117	14.6%
97.5%	800	864	64	8.0%
98.8%	800	800	0	0.0%
100.0%	305	508	203	66.3%

Table SW-27-3b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,137	14,137	0	0.0%
1.2%	10,879	10,879	0	0.0%
2.5%	10,224	10,224	0	0.0%
3.7%	10,211	10,211	0	0.0%
4.9%	10,121	10,121	0	0.0%
6.2%	9,050	9,050	0	0.0%
7.4%	8,579	8,579	0	0.0%
8.6%	7,451	7,451	0	0.0%
9.9%	6,988	6,988	0	0.0%
11.1%	6,353	6,353	0	0.0%
12.3%	6,026	6,026	0	0.0%
13.6%	6,019	6,019	0	0.0%
14.8%	5,804	5,804	0	0.0%
16.0%	5,597	5,597	0	0.0%
17.3%	5,094	5,079	-15	-0.3%
18.5%	5,079	5,059	-20	-0.4%
19.8%	5,000	5,000	0	0.0%
21.0%	4,834	5,000	166	3.4%
22.2%	4,781	4,730	-51	-1.1%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,476	-124	-2.7%
27.2%	4,595	4,390	-205	-4.5%
28.4%	4,133	4,244	111	2.7%
29.6%	3,950	4,132	182	4.6%
30.9%	3,918	3,807	-111	-2.8%
32.1%	3,807	3,364	-443	-11.6%
33.3%	3,802	3,290	-513	-13.5%
34.6%	3,433	3,169	-264	-7.7%
35.8%	3,364	3,148	-216	-6.4%
37.0%	3,168	2,994	-174	-5.5%
38.3%	3,047	2,971	-76	-2.5%
39.5%	3,004	2,959	-46	-1.5%
40.7%	2,994	2,952	-41	-1.4%
42.0%	2,952	2,900	-53	-1.8%
43.2%	2,906	2,875	-31	-1.1%
44.4%	2,900	2,745	-155	-5.3%
45.7%	2,810	2,607	-203	-7.2%
46.9%	2,764	2,600	-164	-5.9%
48.1%	2,746	2,596	-150	-5.5%
49.4%	2,723	2,521	-202	-7.4%
50.6%	2,673	2,480	-192	-7.2%
51.9%	2,630	2,452	-178	-6.8%
53.1%	2,605	2,422	-183	-7.0%
54.3%	2,521	2,250	-271	-10.8%
55.6%	2,470	2,187	-283	-11.5%
56.8%	2,465	2,159	-306	-12.4%
58.0%	2,374	2,124	-250	-10.5%
59.3%	2,311	2,099	-212	-9.2%
60.5%	2,256	2,029	-227	-10.1%
61.7%	2,238	2,009	-229	-10.2%
63.0%	2,158	2,001	-157	-7.3%
64.2%	2,099	1,963	-136	-6.5%
65.4%	2,009	1,961	-48	-2.4%
66.7%	1,972	1,955	-17	-0.9%
67.9%	1,752	1,828	76	4.3%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,750	76	4.5%
84.0%	1,488	1,750	262	17.6%
85.2%	1,452	1,619	168	11.6%
86.4%	1,312	1,559	246	18.8%
87.7%	1,257	1,541	284	22.6%
88.9%	1,211	1,486	276	22.8%
90.1%	1,145	1,344	199	17.4%
91.4%	1,073	1,119	46	4.3%
92.6%	1,060	1,023	-37	-3.5%
93.8%	980	1,000	20	2.0%
95.1%	964	981	17	1.8%
96.3%	743	952	209	28.1%
97.5%	743	812	69	9.2%
98.8%	599	688	90	15.0%
100.0%	357	659	302	84.5%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-0.8%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	4,709	-291	-5.8%
14.8%	5,000	4,595	-405	-8.1%
16.0%	5,000	4,338	-662	-13.2%
17.3%	5,000	4,316	-684	-13.7%
18.5%	5,000	4,313	-687	-13.7%
19.8%	5,000	4,295	-705	-14.1%
21.0%	5,000	4,241	-759	-15.2%
22.2%	5,000	4,235	-765	-15.3%
23.5%	5,000	4,215	-785	-15.7%
24.7%	5,000	4,107	-893	-17.9%
25.9%	5,000	4,101	-899	-18.0%
27.2%	5,000	4,094	-906	-18.1%
28.4%	5,000	4,091	-909	-18.2%
29.6%	5,000	4,073	-927	-18.5%
30.9%	5,000	3,885	-1,115	-22.3%
32.1%	4,980	3,879	-1,101	-22.1%
33.3%	4,906	3,864	-1,041	-21.2%
34.6%	4,728	3,792	-936	-19.8%
35.8%	4,677	3,744	-933	-19.9%
37.0%	4,652	3,694	-958	-20.6%
38.3%	4,600	3,571	-1,028	-22.4%
39.5%	4,595	3,520	-1,074	-23.4%
40.7%	4,572	3,292	-1,280	-28.0%
42.0%	4,539	3,289	-1,249	-27.5%
43.2%	4,395	3,139	-1,256	-28.6%
44.4%	4,117	3,103	-1,014	-24.6%
45.7%	4,073	3,096	-977	-24.0%
46.9%	3,937	3,078	-858	-21.8%
48.1%	3,930	3,041	-890	-22.6%
49.4%	3,864	2,992	-873	-22.6%
50.6%	3,691	2,972	-718	-19.5%
51.9%	3,616	2,967	-649	-17.9%
53.1%	3,572	2,947	-626	-17.5%
54.3%	3,571	2,880	-691	-19.4%
55.6%	3,399	2,861	-537	-15.8%
56.8%	3,393	2,832	-560	-16.5%
58.0%	3,295	2,810	-485	-14.7%
59.3%	3,217	2,806	-411	-12.8%
60.5%	3,114	2,792	-322	-10.3%
61.7%	3,107	2,788	-320	-10.3%
63.0%	3,096	2,750	-346	-11.2%
64.2%	3,030	2,750	-280	-9.2%
65.4%	3,017	2,750	-267	-8.9%
66.7%	2,982	2,750	-232	-7.8%
67.9%	2,967	2,750	-217	-7.3%
69.1%	2,947	2,745	-201	-6.8%
70.4%	2,897	2,724	-172	-5.9%
71.6%	2,868	2,703	-165	-5.7%
72.8%	2,810	2,666	-144	-5.1%
74.1%	2,788	2,578	-210	-7.5%
75.3%	2,775	2,576	-199	-7.2%
76.5%	2,724	2,564	-160	-5.9%
77.8%	2,687	2,532	-156	-5.8%
79.0%	2,666	2,512	-154	-5.8%
80.2%	2,564	2,467	-97	-3.8%
81.5%	2,498	2,250	-248	-9.9%
82.7%	2,447	2,250	-197	-8.0%
84.0%	2,136	2,250	114	5.3%
85.2%	2,122	1,975	-147	-6.9%
86.4%	1,915	1,909	-6	-0.3%
87.7%	1,818	1,725	-93	-5.1%
88.9%	1,695	1,582	-113	-6.6%
90.1%	1,683	1,540	-143	-8.5%
91.4%	1,605	1,502	-103	-6.4%
92.6%	1,461	1,467	6	0.4%
93.8%	1,383	1,464	81	5.8%
95.1%	856	1,458	602	70.3%
96.3%	811	1,407	596	73.5%
97.5%	745	1,175	430	57.7%
98.8%	496	838	342	69.0%
100.0%	362	322	-40	-11.0%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,457	0	0.0%
1.2%	4,354	4,396	42	1.0%
2.5%	4,266	4,271	6	0.1%
3.7%	4,256	4,256	0	0.0%
4.9%	4,130	4,241	111	2.7%
6.2%	4,081	4,130	49	1.2%
7.4%	4,049	4,081	31	0.8%
8.6%	4,024	4,049	25	0.6%
9.9%	4,017	4,017	0	0.0%
11.1%	4,014	4,014	0	0.0%
12.3%	3,982	3,982	0	0.0%
13.6%	3,977	3,977	0	0.0%
14.8%	3,972	3,972	0	0.0%
16.0%	3,892	3,892	0	0.0%
17.3%	3,823	3,862	39	1.0%
18.5%	3,679	3,669	-11	-0.3%
19.8%	3,653	3,616	-37	-1.0%
21.0%	3,475	3,586	111	3.2%
22.2%	3,445	3,533	89	2.6%
23.5%	3,405	3,490	85	2.5%
24.7%	3,402	3,464	61	1.8%
25.9%	3,401	3,437	36	1.1%
27.2%	3,264	3,371	107	3.3%
28.4%	3,244	3,320	75	2.3%
29.6%	3,222	3,314	92	2.9%
30.9%	3,163	3,189	26	0.8%
32.1%	3,156	3,181	25	0.8%
33.3%	2,964	3,155	191	6.5%
34.6%	2,908	3,129	222	7.6%
35.8%	2,906	3,083	177	6.1%
37.0%	2,849	3,031	182	6.4%
38.3%	2,824	3,002	178	6.3%
39.5%	2,762	3,001	239	8.6%
40.7%	2,680	2,963	283	10.6%
42.0%	2,674	2,944	269	10.1%
43.2%	2,671	2,942	271	10.1%
44.4%	2,664	2,934	271	10.2%
45.7%	2,637	2,897	261	9.9%
46.9%	2,589	2,893	304	11.7%
48.1%	2,497	2,820	323	12.9%
49.4%	2,494	2,797	303	12.1%
50.6%	2,422	2,738	317	13.1%
51.9%	2,378	2,726	348	14.6%
53.1%	2,364	2,699	335	14.2%
54.3%	2,352	2,646	295	12.5%
55.6%	2,339	2,560	222	9.5%
56.8%	2,308	2,559	251	10.9%
58.0%	2,305	2,496	191	8.3%
59.3%	2,286	2,250	-36	-1.6%
60.5%	2,249	2,250	1	0.0%
61.7%	2,232	2,250	18	0.8%
63.0%	2,133	2,050	-84	-3.9%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	2,000	21	1.1%
66.7%	1,910	2,000	90	4.7%
67.9%	1,902	1,905	2	0.1%
69.1%	1,750	1,887	137	7.8%
70.4%	1,750	1,871	121	6.9%
71.6%	1,750	1,826	76	4.4%
72.8%	1,750	1,826	76	4.3%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,645	1,750	105	6.4%
79.0%	1,459	1,711	253	17.3%
80.2%	1,353	1,642	289	21.4%
81.5%	1,339	1,584	245	18.3%
82.7%	1,312	1,543	230	17.6%
84.0%	1,288	1,529	242	18.8%
85.2%	1,263	1,412	149	11.8%
86.4%	1,190	1,397	207	17.4%
87.7%	982	1,357	375	38.2%
88.9%	980	1,257	277	28.2%
90.1%	965	1,249	285	29.5%
91.4%	964	1,141	177	18.4%
92.6%	899	1,093	194	21.6%
93.8%	807	993	185	22.9%
95.1%	800	981	181	22.7%
96.3%	800	955	155	19.4%
97.5%	743	772	29	3.8%
98.8%	679	715	36	5.2%
100.0%	250	460	210	84.2%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	5,000	0	0.0%
2.5%	5,000	4,674	-326	-6.5%
3.7%	5,000	4,586	-414	-8.3%
4.9%	4,997	4,575	-421	-8.4%
6.2%	4,953	4,505	-447	-9.0%
7.4%	4,918	4,482	-436	-8.9%
8.6%	4,843	4,415	-428	-8.8%
9.9%	4,723	4,373	-350	-7.4%
11.1%	4,718	4,276	-442	-9.4%
12.3%	4,670	4,275	-395	-8.5%
13.6%	4,505	4,227	-279	-6.2%
14.8%	4,486	4,216	-270	-6.0%
16.0%	4,413	4,133	-280	-6.3%
17.3%	4,373	4,114	-259	-5.9%
18.5%	4,316	4,055	-261	-6.1%
19.8%	4,313	4,033	-280	-6.5%
21.0%	4,276	4,015	-261	-6.1%
22.2%	4,233	4,015	-218	-5.2%
23.5%	4,231	4,003	-227	-5.4%
24.7%	4,198	3,998	-201	-4.8%
25.9%	4,188	3,981	-207	-4.9%
27.2%	4,062	3,969	-93	-2.3%
28.4%	3,981	3,953	-29	-0.7%
29.6%	3,926	3,908	-19	-0.5%
30.9%	3,912	3,902	-10	-0.3%
32.1%	3,878	3,875	-3	-0.1%
33.3%	3,651	3,846	194	5.3%
34.6%	3,556	3,845	289	8.1%
35.8%	3,296	3,833	537	16.3%
37.0%	3,013	3,466	453	15.0%
38.3%	2,988	3,313	325	10.9%
39.5%	2,949	3,267	318	10.8%
40.7%	2,832	3,249	417	14.7%
42.0%	2,802	3,161	360	12.8%
43.2%	2,800	3,106	306	10.9%
44.4%	2,642	3,078	436	16.5%
45.7%	2,571	2,906	335	13.0%
46.9%	2,563	2,645	82	3.2%
48.1%	2,507	2,645	137	5.5%
49.4%	2,322	2,515	194	8.3%
50.6%	2,249	2,469	220	9.8%
51.9%	2,240	2,336	95	4.3%
53.1%	2,087	2,304	218	10.4%
54.3%	2,063	2,193	130	6.3%
55.6%	2,032	2,142	111	5.5%
56.8%	2,026	2,100	74	3.7%
58.0%	2,025	1,960	-66	-3.2%
59.3%	1,992	1,854	-138	-6.9%
60.5%	1,982	1,831	-151	-7.6%
61.7%	1,950	1,790	-160	-8.2%
63.0%	1,882	1,781	-101	-5.4%
64.2%	1,881	1,670	-211	-11.2%
65.4%	1,804	1,650	-154	-8.5%
66.7%	1,801	1,650	-151	-8.4%
67.9%	1,750	1,650	-100	-5.7%
69.1%	1,648	1,630	-18	-1.1%
70.4%	1,534	1,594	59	3.9%
71.6%	1,533	1,533	0	0.0%
72.8%	1,533	1,528	-5	-0.3%
74.1%	1,533	1,522	-12	-0.8%
75.3%	1,519	1,501	-18	-1.2%
76.5%	1,496	1,452	-44	-2.9%
77.8%	1,487	1,396	-91	-6.1%
79.0%	1,353	1,343	-10	-0.7%
80.2%	1,312	1,303	-9	-0.7%
81.5%	1,143	1,282	139	12.2%
82.7%	1,123	1,279	156	13.9%
84.0%	1,007	1,270	263	26.1%
85.2%	980	1,257	277	28.2%
86.4%	964	1,229	266	27.6%
87.7%	946	1,170	223	23.6%
88.9%	899	1,141	242	26.9%
90.1%	884	1,139	256	28.9%
91.4%	807	1,089	281	34.8%
92.6%	800	1,050	250	31.2%
93.8%	800	981	181	22.7%
95.1%	800	966	166	20.7%
96.3%	743	800	57	7.6%
97.5%	569	800	231	40.6%
98.8%	476	495	18	3.9%
100.0%	383	403	20	5.1%

Table SW-28-3a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,428	2,683	3,197	4,293	4,976	3,597	3,175	3,387	3,446	3,562	2,422	2,608
Alternative A	1,490	2,672	3,291	4,330	4,978	3,642	3,204	3,405	3,404	3,146	2,555	2,610
Difference	62	-10	94	38	2	45	29	19	-42	-416	133	2
Percent Difference[3]	4.4%	-0.4%	2.9%	0.9%	0.0%	1.2%	0.9%	0.5%	-1.2%	-11.7%	5.5%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,549	3,837	3,536	8,529	8,989	5,930	5,094	5,875	5,677	3,800	3,186	4,214
Alternative A	1,705	3,817	3,623	8,601	8,993	5,928	5,093	5,875	5,697	3,507	3,328	3,952
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.1%	-0.5%	2.4%	0.8%	0.0%	0.0%	0.0%	0.0%	0.3%	-7.7%	4.5%	-6.2%
Above Normal (15%)												
No Action Alternative	1,452	2,680	2,828	4,450	6,113	5,236	3,365	3,575	3,174	4,339	2,546	3,015
Alternative A	1,458	2,672	2,978	4,612	6,164	5,293	3,361	3,572	3,096	3,838	2,730	2,959
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.4%	-11.5%	7.2%	-1.9%
Below Normal (17%)												
No Action Alternative	1,584	3,292	3,906	2,204	4,067	2,307	2,906	2,729	2,563	4,764	2,307	1,989
Alternative A	1,710	3,401	3,959	2,271	3,983	2,300	3,044	2,782	2,533	3,541	2,562	2,490
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.0%	3.3%	1.4%	3.1%	-2.1%	-0.3%	4.8%	2.0%	-1.2%	-25.7%	11.0%	25.2%
Dry (22%)												
No Action Alternative	1,378	1,709	3,965	1,647	1,704	1,947	1,840	1,651	2,307	3,186	2,232	1,524
Alternative A	1,365	1,683	4,147	1,576	1,740	2,070	1,753	1,679	2,305	2,927	2,117	1,579
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.3%	2.1%	6.3%	-4.7%	1.7%	-0.1%	-8.1%	-5.2%	3.6%
Critical (15%)												
No Action Alternative	1,034	933	852	1,363	1,111	882	1,145	1,178	1,621	1,433	1,059	1,067
Alternative A	988	827	819	1,329	1,112	958	1,316	1,205	1,407	1,539	1,354	1,039
Difference	-46	-107	-33	-34	2	76	171	27	-214	107	295	-28
Percent Difference	-4.5%	-11.4%	-3.8%	-2.5%	0.1%	8.6%	15.0%	2.3%	-13.2%	7.5%	27.8%	-2.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-28-3b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

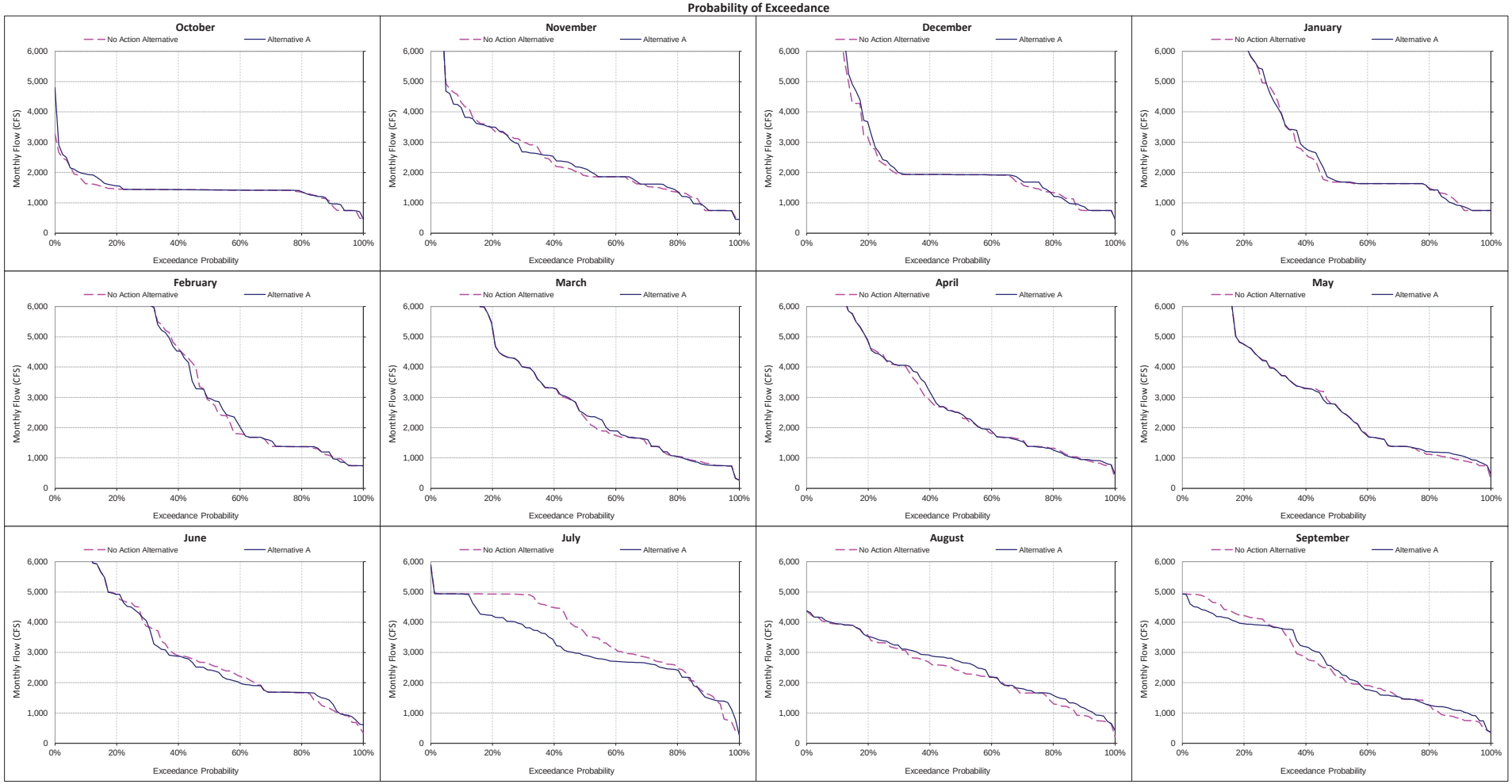

Table SW-28-3b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	4,801	1,530	46.8%
1.2%	2,666	2,919	252	9.5%
2.5%	2,480	2,598	117	4.7%
3.7%	2,414	2,498	84	3.5%
4.9%	2,202	2,150	-52	-2.3%
6.2%	1,948	2,114	166	8.5%
7.4%	1,917	2,031	115	6.0%
8.6%	1,776	1,979	203	11.4%
9.9%	1,629	1,948	319	19.6%
11.1%	1,623	1,927	304	18.7%
12.3%	1,617	1,922	305	18.9%
13.6%	1,589	1,843	254	16.0%
14.8%	1,549	1,751	202	13.0%
16.0%	1,518	1,644	127	8.3%
17.3%	1,477	1,609	132	8.9%
18.5%	1,476	1,587	111	7.5%
19.8%	1,452	1,555	102	7.1%
21.0%	1,450	1,547	97	6.7%
22.2%	1,448	1,442	-6	-0.4%
23.5%	1,447	1,442	-4	-0.3%
24.7%	1,446	1,441	-5	-0.3%
25.9%	1,439	1,441	1	0.1%
27.2%	1,439	1,440	1	0.1%
28.4%	1,439	1,439	0	0.0%
29.6%	1,439	1,439	-1	0.0%
30.9%	1,438	1,438	0	0.0%
32.1%	1,437	1,438	1	0.1%
33.3%	1,437	1,438	1	0.1%
34.6%	1,436	1,438	2	0.1%
35.8%	1,436	1,437	1	0.1%
37.0%	1,436	1,436	1	0.1%
38.3%	1,435	1,436	2	0.1%
39.5%	1,435	1,435	1	0.0%
40.7%	1,434	1,434	0	0.0%
42.0%	1,433	1,434	1	0.1%
43.2%	1,433	1,433	1	0.0%
44.4%	1,432	1,432	0	0.0%
45.7%	1,430	1,432	2	0.1%
46.9%	1,429	1,431	1	0.1%
48.1%	1,428	1,426	-2	-0.2%
49.4%	1,428	1,425	-3	-0.2%
50.6%	1,428	1,424	-4	-0.3%
51.9%	1,427	1,424	-3	-0.2%
53.1%	1,426	1,424	-3	-0.2%
54.3%	1,424	1,422	-2	-0.1%
55.6%	1,421	1,419	-2	-0.2%
56.8%	1,419	1,419	0	0.0%
58.0%	1,418	1,419	1	0.0%
59.3%	1,417	1,419	2	0.1%
60.5%	1,416	1,418	2	0.2%
61.7%	1,416	1,418	3	0.2%
63.0%	1,416	1,417	2	0.1%
64.2%	1,416	1,417	2	0.1%
65.4%	1,415	1,417	2	0.1%
66.7%	1,415	1,417	2	0.1%
67.9%	1,415	1,416	1	0.1%
69.1%	1,414	1,416	1	0.1%
70.4%	1,412	1,415	4	0.3%
71.6%	1,410	1,415	6	0.4%
72.8%	1,409	1,415	6	0.4%
74.1%	1,409	1,414	5	0.4%
75.3%	1,409	1,413	5	0.3%
76.5%	1,409	1,412	4	0.3%
77.8%	1,385	1,411	26	1.9%
79.0%	1,364	1,409	45	3.3%
80.2%	1,350	1,350	0	0.0%
81.5%	1,332	1,300	-32	-2.4%
82.7%	1,285	1,257	-28	-2.2%
84.0%	1,244	1,240	-4	-0.3%
85.2%	1,227	1,210	-16	-1.3%
86.4%	1,153	1,205	52	4.5%
87.7%	1,138	1,170	31	2.7%
88.9%	1,064	983	-82	-7.7%
90.1%	872	967	96	11.0%
91.4%	749	966	217	28.9%
92.6%	748	936	188	25.1%
93.8%	748	748	0	0.0%
95.1%	745	745	0	0.0%
96.3%	745	743	-2	-0.2%
97.5%	739	741	2	0.2%
98.8%	492	700	208	42.3%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	16,608	-583	-3.4%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,317	585	8.7%
4.9%	4,937	4,686	-252	-5.1%
6.2%	4,759	4,605	-154	-3.2%
7.4%	4,652	4,257	-395	-8.5%
8.6%	4,571	4,248	-323	-7.1%
9.9%	4,317	4,144	-173	-4.0%
11.1%	4,169	3,824	-345	-8.3%
12.3%	4,139	3,816	-324	-7.8%
13.6%	3,824	3,775	-48	-1.3%
14.8%	3,724	3,618	-105	-2.8%
16.0%	3,618	3,593	-25	-0.7%
17.3%	3,605	3,572	-32	-0.9%
18.5%	3,558	3,514	-44	-1.2%
19.8%	3,470	3,505	35	1.0%
21.0%	3,344	3,491	147	4.4%
22.2%	3,344	3,366	22	0.7%
23.5%	3,315	3,354	39	1.2%
24.7%	3,241	3,235	-7	-0.2%
25.9%	3,187	3,078	-109	-3.4%
27.2%	3,123	2,988	-135	-4.3%
28.4%	3,114	2,951	-163	-5.2%
29.6%	2,995	2,685	-311	-10.4%
30.9%	2,982	2,683	-298	-10.0%
32.1%	2,913	2,651	-262	-9.0%
33.3%	2,911	2,636	-275	-9.4%
34.6%	2,846	2,622	-224	-7.9%
35.8%	2,622	2,588	-34	-1.3%
37.0%	2,480	2,568	88	3.5%
38.3%	2,457	2,564	107	4.3%
39.5%	2,301	2,539	238	10.3%
40.7%	2,198	2,383	185	8.4%
42.0%	2,183	2,383	199	9.1%
43.2%	2,153	2,362	209	9.7%
44.4%	2,144	2,343	200	9.3%
45.7%	2,100	2,288	188	8.9%
46.9%	2,037	2,182	145	7.1%
48.1%	2,036	2,181	145	7.1%
49.4%	1,906	2,144	237	12.4%
50.6%	1,882	2,100	218	11.6%
51.9%	1,862	2,016	153	8.2%
53.1%	1,862	1,955	93	5.0%
54.3%	1,862	1,862	0	0.0%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,862	0	0.0%
59.3%	1,862	1,862	0	0.0%
60.5%	1,862	1,860	-2	-0.1%
61.7%	1,861	1,859	-1	-0.1%
63.0%	1,855	1,857	2	0.1%
64.2%	1,752	1,856	103	5.9%
65.4%	1,708	1,793	84	4.9%
66.7%	1,621	1,708	88	5.4%
67.9%	1,621	1,621	0	0.0%
69.1%	1,621	1,621	0	0.0%
70.4%	1,534	1,621	87	5.7%
71.6%	1,526	1,621	94	6.2%
72.8%	1,507	1,621	113	7.5%
74.1%	1,498	1,621	122	8.2%
75.3%	1,460	1,607	147	10.0%
76.5%	1,448	1,520	71	4.9%
77.8%	1,380	1,483	103	7.4%
79.0%	1,366	1,441	75	5.5%
80.2%	1,347	1,349	2	0.1%
81.5%	1,326	1,208	-118	-8.9%
82.7%	1,310	1,206	-104	-7.9%
84.0%	1,225	1,166	-59	-4.8%
85.2%	1,145	976	-169	-14.8%
86.4%	1,136	966	-170	-15.0%
87.7%	924	964	40	4.3%
88.9%	747	859	113	15.1%
90.1%	747	747	0	0.0%
91.4%	747	747	0	0.0%
92.6%	746	747	0	0.0%
93.8%	746	746	0	0.0%
95.1%	746	743	-4	-0.5%
96.3%	744	739	-5	-0.7%
97.5%	741	736	-4	-0.6%
98.8%	519	456	-63	-12.2%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	20,144	400	2.0%
1.2%	16,495	17,020	525	3.2%
2.5%	15,763	16,500	737	4.7%
3.7%	15,639	15,639	0	0.0%
4.9%	13,766	13,762	-4	0.0%
6.2%	12,796	13,238	441	3.4%
7.4%	8,951	8,951	0	0.0%
8.6%	8,725	8,711	-13	-0.2%
9.9%	7,121	7,116	-5	-0.1%
11.1%	6,581	6,581	0	0.0%
12.3%	5,653	6,297	644	11.4%
13.6%	5,003	5,254	250	5.0%
14.8%	4,295	4,906	611	14.2%
16.0%	4,278	4,673	395	9.2%
17.3%	4,278	4,400	123	2.9%
18.5%	3,241	3,723	482	14.9%
19.8%	3,201	3,678	477	14.9%
21.0%	2,827	3,230	403	14.3%
22.2%	2,764	2,827	64	2.3%
23.5%	2,392	2,665	273	11.4%
24.7%	2,307	2,420	113	4.9%
25.9%	2,225	2,385	160	7.2%
27.2%	2,092	2,239	147	7.0%
28.4%	2,011	2,156	145	7.2%
29.6%	1,936	2,005	70	3.6%
30.9%	1,936	1,959	23	1.2%
32.1%	1,936	1,936	0	0.0%
33.3%	1,936	1,936	0	0.0%
34.6%	1,936	1,936	0	0.0%
35.8%	1,936	1,936	0	0.0%
37.0%	1,936	1,936	0	0.0%
38.3%	1,936	1,936	0	0.0%
39.5%	1,935	1,936	0	0.0%
40.7%	1,934	1,935	1	0.0%
42.0%	1,934	1,933	-1	0.0%
43.2%	1,933	1,933	-1	0.0%
44.4%	1,933	1,932	-1	-0.1%
45.7%	1,933	1,931	-2	-0.1%
46.9%	1,933	1,931	-1	-0.1%
48.1%	1,930	1,931	1	0.0%
49.4%	1,926	1,929	3	0.2%
50.6%	1,926	1,929	3	0.2%
51.9%	1,926	1,929	3	0.2%
53.1%	1,925	1,929	4	0.2%
54.3%	1,924	1,928	4	0.2%
55.6%	1,923	1,928	5	0.3%
56.8%	1,923	1,926	3	0.1%
58.0%	1,923	1,924	1	0.0%
59.3%	1,923	1,921	-1	-0.1%
60.5%	1,921	1,921	0	0.0%
61.7%	1,921	1,921	0	0.0%
63.0%	1,914	1,920	6	0.3%
64.2%	1,911	1,919	8	0.4%
65.4%	1,909	1,915	6	0.3%
66.7%	1,823	1,902	79	4.4%
67.9%	1,688	1,864	177	10.5%
69.1%	1,682	1,778	96	5.7%
70.4%	1,570	1,688	118	7.5%
71.6%	1,534	1,688	154	10.0%
72.8%	1,522	1,688	166	10.9%
74.1%	1,471	1,688	217	14.8%
75.3%	1,454	1,688	233	16.0%
76.5%	1,382	1,501	119	8.6%
77.8%	1,368	1,445	76	5.6%
79.0%	1,349	1,351	2	0.1%
80.2%	1,328	1,210	-118	-8.9%
81.5%	1,312	1,208	-104	-7.9%
82.7%	1,227	1,168	-59	-4.8%
84.0%	1,147	1,073	-74	-6.5%
85.2%	1,138	978	-160	-14.1%
86.4%	1,133	968	-165	-14.6%
87.7%	820	966	147	17.9%
88.9%	754	901	147	19.5%
90.1%	748	867	118	15.8%
91.4%	748	754	6	0.8%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	745	748	4	0.5%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	31,170	-4	0.0%
1.2%	20,281	20,279	-2	0.0%
2.5%	17,613	17,599	-15	-0.1%
3.7%	15,473	15,708	235	1.5%
4.9%	14,628	15,462	834	5.7%
6.2%	12,792	12,788	-4	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,702	-5	0.0%
9.9%	10,365	10,411	46	0.4%
11.1%	9,912	9,912	0	0.0%
12.3%	9,211	9,196	-14	-0.2%
13.6%	9,053	9,052	-1	0.0%
14.8%	8,828	8,823	-6	-0.1%
16.0%	7,720	7,713	-6	-0.1%
17.3%	7,426	7,426	0	0.0%
18.5%	6,704	6,793	89	1.3%
19.8%	6,647	6,472	-175	-2.6%
21.0%	6,076	6,076	0	0.0%
22.2%	5,822	5,821	-1	0.0%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,451	36	0.7%
25.9%	4,961	5,413	453	9.1%
27.2%	4,950	4,943	-7	-0.1%
28.4%	4,820	4,607	-213	-4.4%
29.6%	4,616	4,351	-265	-5.7%
30.9%	4,357	4,149	-207	-4.8%
32.1%	3,940	3,930	-10	-0.3%
33.3%	3,524	3,571	47	1.3%
34.6%	3,405	3,423	18	0.5%
35.8%	3,392	3,419	27	0.8%
37.0%	2,831	3,395	564	19.9%
38.3%	2,788	2,952	164	5.9%
39.5%	2,658	2,820	162	6.1%
40.7%	2,525	2,742	218	8.6%
42.0%	2,473	2,692	219	8.9%
43.2%	2,376	2,658	282	11.9%
44.4%	2,034	2,392	358	17.6%
45.7%	1,766	2,163	397	22.5%
46.9%	1,734	1,859	125	7.2%
48.1%	1,685	1,799	114	6.8%
49.4%	1,685	1,742	57	3.4%
50.6%	1,685	1,698	13	0.8%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,685	22	1.3%
54.3%	1,663	1,685	22	1.3%
55.6%	1,635	1,662	27	1.7%
56.8%	1,635	1,635	0	0.0%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,575	35	2.3%
80.2%	1,471	1,425	-46	-3.1%
81.5%	1,425	1,425	0	0.0%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,208	-117	-8.9%
85.2%	1,295	1,139	-155	-12.0%
86.4%	1,227	1,020	-207	-16.9%
87.7%	1,154	978	-176	-15.3%
88.9%	1,034	918	-116	-11.2%
90.1%	920	907	-14	-1.5%
91.4%	748	866	118	15.8%
92.6%	748	813	65	8.6%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	748	748	0	0.0%
100.0%	747	748	1	0.2%

Table SW-28-3b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,089	-14	0.0%
1.2%	15,585	15,578	-7	0.0%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,361	0	0.0%
4.9%	13,346	13,345	-1	0.0%
6.2%	12,991	12,977	-15	-0.1%
7.4%	12,404	12,343	-61	-0.5%
8.6%	12,260	12,260	0	0.0%
9.9%	11,338	11,326	-11	-0.1%
11.1%	11,083	11,075	-9	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,431	0	0.0%
14.8%	9,957	9,951	-6	-0.1%
16.0%	9,808	9,808	0	0.0%
17.3%	9,611	9,611	0	0.0%
18.5%	9,342	9,343	0	0.0%
19.8%	9,113	9,102	-12	-0.1%
21.0%	7,917	8,075	158	2.0%
22.2%	7,829	7,917	88	1.1%
23.5%	7,702	7,824	122	1.6%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,975	-7	-0.1%
27.2%	6,760	6,606	-154	-2.3%
28.4%	6,176	6,176	0	0.0%
29.6%	6,053	6,054	0	0.0%
30.9%	6,040	6,039	-1	0.0%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,400	-94	-1.7%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,140	-80	-1.5%
37.0%	5,139	4,968	-172	-3.3%
38.3%	4,823	4,690	-133	-2.8%
39.5%	4,690	4,535	-155	-3.3%
40.7%	4,523	4,523	-1	0.0%
42.0%	4,402	4,300	-103	-2.3%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,539	-612	-14.7%
45.7%	3,994	3,286	-709	-17.7%
46.9%	3,354	3,281	-73	-2.2%
48.1%	3,292	3,268	-24	-0.7%
49.4%	2,939	2,981	43	1.5%
50.6%	2,858	2,952	93	3.3%
51.9%	2,732	2,883	150	5.5%
53.1%	2,447	2,857	410	16.8%
54.3%	2,402	2,609	207	8.6%
55.6%	2,398	2,427	29	1.2%
56.8%	2,142	2,388	246	11.5%
58.0%	1,806	2,351	545	30.2%
59.3%	1,800	2,141	341	18.9%
60.5%	1,795	1,930	135	7.5%
61.7%	1,753	1,723	-30	-1.7%
63.0%	1,683	1,683	0	0.0%
64.2%	1,680	1,680	0	0.0%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,680	0	0.0%
67.9%	1,626	1,626	0	0.0%
69.1%	1,466	1,598	132	9.0%
70.4%	1,378	1,550	171	12.4%
71.6%	1,378	1,378	0	0.0%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,378	2	0.2%
75.3%	1,376	1,376	0	0.0%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,358	1,376	18	1.4%
84.0%	1,322	1,371	49	3.7%
85.2%	1,295	1,325	30	2.3%
86.4%	1,197	1,200	2	0.2%
87.7%	1,113	1,197	84	7.6%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	974	-58	-5.6%
91.4%	978	957	-20	-2.1%
92.6%	968	861	-107	-11.1%
93.8%	866	854	-12	-1.4%
95.1%	745	759	14	1.9%
96.3%	743	745	2	0.3%
97.5%	743	743	0	0.0%
98.8%	743	743	0	0.0%
100.0%	730	743	13	1.8%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,489	0	0.0%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,417	535	4.5%
3.7%	11,721	11,882	161	1.4%
4.9%	11,644	11,644	0	0.0%
6.2%	10,839	10,839	0	0.0%
7.4%	10,431	10,442	10	0.1%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,379	631	8.1%
11.1%	7,493	7,493	0	0.0%
12.3%	7,142	7,142	0	0.0%
13.6%	6,485	6,485	0	0.0%
14.8%	6,223	6,223	0	0.0%
16.0%	5,997	5,998	1	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,457	-10	-0.2%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,483	-2	0.0%
23.5%	4,395	4,391	-4	-0.1%
24.7%	4,335	4,327	-8	-0.2%
25.9%	4,302	4,302	0	0.0%
27.2%	4,296	4,288	-8	-0.2%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,990	-8	-0.2%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,847	-22	-0.6%
34.6%	3,607	3,607	0	0.0%
35.8%	3,487	3,488	0	0.0%
37.0%	3,326	3,326	0	0.0%
38.3%	3,320	3,320	0	0.0%
39.5%	3,314	3,314	0	0.0%
40.7%	3,273	3,272	-1	0.0%
42.0%	3,023	3,090	67	2.2%
43.2%	3,006	3,050	44	1.5%
44.4%	2,964	3,000	36	1.2%
45.7%	2,909	2,916	7	0.2%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,557	-1	0.0%
49.4%	2,399	2,486	86	3.6%
50.6%	2,243	2,387	144	6.4%
51.9%	2,094	2,366	272	13.0%
53.1%	2,028	2,366	338	16.6%
54.3%	1,905	2,302	397	20.9%
55.6%	1,894	2,243	349	18.4%
56.8%	1,889	2,009	120	6.4%
58.0%	1,794	1,900	106	5.9%
59.3%	1,771	1,891	120	6.8%
60.5%	1,721	1,889	169	9.8%
61.7%	1,683	1,771	87	5.2%
63.0%	1,682	1,734	52	3.1%
64.2%	1,681	1,683	2	0.1%
65.4%	1,657	1,681	24	1.5%
66.7%	1,648	1,657	9	0.6%
67.9%	1,638	1,648	10	0.6%
69.1%	1,602	1,638	35	2.2%
70.4%	1,397	1,603	206	14.7%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,360	-22	-1.6%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,206	85	7.6%
77.8%	1,083	1,081	-2	-0.2%
79.0%	1,063	1,062	-1	-0.1%
80.2%	1,039	1,044	5	0.5%
81.5%	1,038	997	-41	-3.9%
82.7%	976	963	-13	-1.3%
84.0%	940	921	-19	-2.1%
85.2%	918	880	-38	-4.2%
86.4%	898	863	-35	-3.9%
87.7%	875	806	-69	-7.8%
88.9%	832	778	-54	-6.4%
90.1%	820	759	-60	-7.4%
91.4%	777	757	-21	-2.6%
92.6%	748	755	7	0.9%
93.8%	748	748	0	0.0%
95.1%	740	748	8	1.1%
96.3%	740	740	0	0.0%
97.5%	737	737	0	0.0%
98.8%	328	328	0	0.0%
100.0%	265	265	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,286	0	0.0%
1.2%	10,078	10,078	0	0.0%
2.5%	8,359	8,359	0	0.0%
3.7%	7,564	7,564	0	0.0%
4.9%	7,437	7,437	0	0.0%
6.2%	6,784	6,784	0	0.0%
7.4%	6,675	6,673	-1	0.0%
8.6%	6,497	6,497	0	0.0%
9.9%	6,490	6,490	0	0.0%
11.1%	6,245	6,245	0	0.0%
12.3%	6,197	6,197	0	0.0%
13.6%	5,846	5,846	0	0.0%
14.8%	5,765	5,765	0	0.0%
16.0%	5,490	5,490	0	0.0%
17.3%	5,335	5,335	0	0.0%
18.5%	5,115	5,115	0	0.0%
19.8%	4,892	4,891	-1	0.0%
21.0%	4,615	4,551	-64	-1.4%
22.2%	4,551	4,467	-84	-1.9%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,340	-90	-2.0%
25.9%	4,192	4,216	24	0.6%
27.2%	4,094	4,192	99	2.4%
28.4%	4,092	4,086	-6	-0.1%
29.6%	4,064	4,065	1	0.0%
30.9%	4,063	4,064	0	0.0%
32.1%	4,028	4,063	36	0.9%
33.3%	3,825	4,028	203	5.3%
34.6%	3,635	3,859	224	6.2%
35.8%	3,502	3,825	323	9.2%
37.0%	3,256	3,612	356	10.9%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,041	230	8.2%
42.0%	2,699	2,811	112	4.1%
43.2%	2,692	2,699	7	0.3%
44.4%	2,686	2,692	6	0.2%
45.7%	2,633	2,581	-52	-2.0%
46.9%	2,581	2,553	-28	-1.1%
48.1%	2,522	2,515	-7	-0.3%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,423	109	4.7%
51.9%	2,292	2,312	20	0.9%
53.1%	2,156	2,275	120	5.5%
54.3%	2,142	2,156	13	0.6%
55.6%	2,032	2,032	0	0.0%
56.8%	1,991	1,970	-21	-1.1%
58.0%	1,955	1,952	-3	-0.1%
59.3%	1,836	1,951	115	6.3%
60.5%	1,796	1,836	39	2.2%
61.7%	1,696	1,696	0	0.0%
63.0%	1,691	1,685	-6	-0.4%
64.2%	1,685	1,679	-7	-0.4%
65.4%	1,679	1,675	-4	-0.2%
66.7%	1,675	1,635	-39	-2.3%
67.9%	1,640	1,612	-28	-1.7%
69.1%	1,635	1,566	-69	-4.2%
70.4%	1,569	1,526	-43	-2.7%
71.6%	1,383	1,383	0	0.0%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,374	-8	-0.6%
75.3%	1,379	1,359	-20	-1.4%
76.5%	1,359	1,356	-4	-0.3%
77.8%	1,355	1,320	-35	-2.6%
79.0%	1,323	1,313	-10	-0.8%
80.2%	1,319	1,253	-67	-5.1%
81.5%	1,264	1,204	-61	-4.8%
82.7%	1,204	1,165	-38	-3.2%
84.0%	1,119	1,082	-37	-3.3%
85.2%	1,083	1,044	-39	-3.6%
86.4%	1,039	1,007	-32	-3.1%
87.7%	1,034	998	-36	-3.5%
88.9%	974	946	-27	-2.8%
90.1%	943	946	3	0.3%
91.4%	902	945	44	4.8%
92.6%	873	924	51	5.9%
93.8%	839	914	75	8.9%
95.1%	829	911	82	9.9%
96.3%	768	861	93	12.1%
97.5%	747	802	55	7.4%
98.8%	743	780	37	4.9%
100.0%	315	466	151	47.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,012	-30	-0.6%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,210	-32	-0.8%
27.2%	4,202	4,209	6	0.2%
28.4%	4,002	3,969	-33	-0.8%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,850	-1	0.0%
32.1%	3,723	3,723	0	0.0%
33.3%	3,712	3,712	0	0.0%
34.6%	3,581	3,581	0	0.0%
35.8%	3,466	3,466	0	0.0%
37.0%	3,378	3,378	0	0.0%
38.3%	3,353	3,350	-3	-0.1%
39.5%	3,315	3,295	-20	-0.6%
40.7%	3,295	3,287	-8	-0.2%
42.0%	3,287	3,276	-10	-0.3%
43.2%	3,279	3,205	-74	-2.3%
44.4%	3,205	3,160	-44	-1.4%
45.7%	3,201	2,928	-274	-8.5%
46.9%	2,923	2,795	-128	-4.4%
48.1%	2,795	2,792	-3	-0.1%
49.4%	2,793	2,781	-12	-0.4%
50.6%	2,637	2,637	0	0.0%
51.9%	2,507	2,507	0	0.0%
53.1%	2,437	2,429	-9	-0.4%
54.3%	2,331	2,331	0	0.0%
55.6%	2,196	2,195	-1	-0.1%
56.8%	2,129	2,121	-8	-0.4%
58.0%	1,900	1,900	0	0.0%
59.3%	1,837	1,793	-45	-2.4%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,687	0	0.0%
63.0%	1,663	1,663	0	0.0%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,418	21	1.5%
67.9%	1,385	1,385	0	0.0%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,375	-10	-0.7%
74.1%	1,328	1,359	31	2.4%
75.3%	1,326	1,320	-7	-0.5%
76.5%	1,227	1,306	79	6.4%
77.8%	1,223	1,262	39	3.2%
79.0%	1,122	1,205	83	7.4%
80.2%	1,121	1,205	84	7.5%
81.5%	1,089	1,192	103	9.4%
82.7%	1,085	1,189	103	9.5%
84.0%	1,052	1,185	133	12.7%
85.2%	1,041	1,185	144	13.8%
86.4%	1,031	1,170	140	13.5%
87.7%	976	1,128	153	15.6%
88.9%	945	1,105	160	17.0%
90.1%	935	1,084	148	15.8%
91.4%	903	1,046	143	15.8%
92.6%	875	1,000	125	14.3%
93.8%	841	940	99	11.8%
95.1%	830	926	96	11.5%
96.3%	748	863	115	15.3%
97.5%	748	811	63	8.4%
98.8%	741	748	7	0.9%
100.0%	266	462	196	73.6%

Table SW-28-3b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	0	0.0%
2.5%	10,101	10,101	0	0.0%
3.7%	10,061	10,061	0	0.0%
4.9%	9,970	9,970	0	0.0%
6.2%	8,928	8,928	0	0.0%
7.4%	8,446	8,446	0	0.0%
8.6%	7,314	7,314	0	0.0%
9.9%	6,881	6,881	0	0.0%
11.1%	6,224	6,224	0	0.0%
12.3%	5,953	5,953	0	0.0%
13.6%	5,925	5,925	0	0.0%
14.8%	5,674	5,674	0	0.0%
16.0%	5,487	5,487	0	0.0%
17.3%	4,999	4,990	-9	-0.2%
18.5%	4,990	4,964	-26	-0.5%
19.8%	4,934	4,921	-13	-0.3%
21.0%	4,754	4,921	166	3.5%
22.2%	4,702	4,650	-52	-1.1%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,401	-116	-2.6%
27.2%	4,503	4,300	-204	-4.5%
28.4%	4,048	4,163	115	2.8%
29.6%	3,869	4,047	178	4.6%
30.9%	3,828	3,724	-105	-2.7%
32.1%	3,740	3,283	-457	-12.2%
33.3%	3,724	3,197	-526	-14.1%
34.6%	3,373	3,107	-267	-7.9%
35.8%	3,284	3,086	-198	-6.0%
37.0%	3,082	2,909	-173	-5.6%
38.3%	2,985	2,894	-91	-3.1%
39.5%	2,912	2,879	-34	-1.2%
40.7%	2,879	2,872	-7	-0.2%
42.0%	2,872	2,815	-57	-2.0%
43.2%	2,844	2,789	-55	-1.9%
44.4%	2,789	2,675	-114	-4.1%
45.7%	2,748	2,521	-227	-8.3%
46.9%	2,677	2,521	-156	-5.8%
48.1%	2,676	2,512	-164	-6.1%
49.4%	2,658	2,428	-230	-8.6%
50.6%	2,587	2,420	-167	-6.4%
51.9%	2,542	2,380	-161	-6.3%
53.1%	2,530	2,343	-187	-7.4%
54.3%	2,428	2,188	-240	-9.9%
55.6%	2,393	2,126	-267	-11.2%
56.8%	2,392	2,099	-292	-12.2%
58.0%	2,312	2,068	-244	-10.5%
59.3%	2,242	2,028	-214	-9.5%
60.5%	2,191	1,963	-228	-10.4%
61.7%	2,176	1,941	-235	-10.8%
63.0%	2,099	1,927	-172	-8.2%
64.2%	2,028	1,902	-126	-6.2%
65.4%	1,927	1,901	-26	-1.4%
66.7%	1,916	1,894	-21	-1.1%
67.9%	1,693	1,742	50	2.9%
69.1%	1,692	1,690	-3	-0.2%
70.4%	1,688	1,688	0	0.0%
71.6%	1,686	1,688	2	0.1%
72.8%	1,685	1,686	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,685	2	0.1%
76.5%	1,675	1,685	10	0.6%
77.8%	1,671	1,683	12	0.7%
79.0%	1,670	1,681	11	0.6%
80.2%	1,670	1,675	5	0.3%
81.5%	1,666	1,671	5	0.3%
82.7%	1,614	1,670	56	3.5%
84.0%	1,427	1,664	237	16.6%
85.2%	1,391	1,559	168	12.1%
86.4%	1,251	1,499	248	19.8%
87.7%	1,202	1,481	279	23.3%
88.9%	1,155	1,425	269	23.3%
90.1%	1,092	1,287	195	17.8%
91.4%	1,017	1,057	40	3.9%
92.6%	1,006	968	-38	-3.8%
93.8%	922	941	18	2.0%
95.1%	905	924	19	2.1%
96.3%	690	876	186	27.0%
97.5%	685	764	79	11.6%
98.8%	523	630	107	20.5%
100.0%	323	606	283	87.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,938	-34	-0.7%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-5	-0.1%
4.9%	4,941	4,937	-4	-0.1%
6.2%	4,937	4,937	0	0.0%
7.4%	4,937	4,937	0	0.0%
8.6%	4,937	4,937	-1	0.0%
9.9%	4,937	4,930	-7	-0.1%
11.1%	4,937	4,927	-11	-0.2%
12.3%	4,937	4,912	-25	-0.5%
13.6%	4,937	4,635	-302	-6.1%
14.8%	4,935	4,459	-476	-9.6%
16.0%	4,935	4,266	-669	-13.5%
17.3%	4,934	4,250	-684	-13.9%
18.5%	4,933	4,239	-694	-14.1%
19.8%	4,933	4,225	-708	-14.4%
21.0%	4,931	4,164	-767	-15.5%
22.2%	4,931	4,149	-782	-15.8%
23.5%	4,930	4,149	-781	-15.8%
24.7%	4,930	4,038	-892	-18.1%
25.9%	4,929	4,028	-900	-18.3%
27.2%	4,928	4,021	-907	-18.4%
28.4%	4,923	3,964	-959	-19.5%
29.6%	4,916	3,937	-980	-19.9%
30.9%	4,912	3,820	-1,092	-22.2%
32.1%	4,908	3,816	-1,092	-22.3%
33.3%	4,838	3,729	-1,110	-22.9%
34.6%	4,647	3,722	-926	-19.9%
35.8%	4,595	3,644	-951	-20.7%
37.0%	4,582	3,625	-956	-20.9%
38.3%	4,508	3,503	-1,005	-22.3%
39.5%	4,497	3,437	-1,060	-23.6%
40.7%	4,466	3,223	-1,243	-27.8%
42.0%	4,459	3,205	-1,254	-28.1%
43.2%	4,322	3,078	-1,245	-28.8%
44.4%	4,049	3,028	-1,021	-25.2%
45.7%	3,937	3,015	-921	-23.4%
46.9%	3,849	2,978	-871	-22.6%
48.1%	3,830	2,973	-856	-22.4%
49.4%	3,722	2,909	-812	-21.8%
50.6%	3,554	2,892	-662	-18.6%
51.9%	3,527	2,859	-669	-19.0%
53.1%	3,498	2,820	-678	-19.4%
54.3%	3,480	2,791	-689	-19.8%
55.6%	3,330	2,786	-544	-16.3%
56.8%	3,309	2,763	-546	-16.5%
58.0%	3,205	2,715	-490	-15.3%
59.3%	3,158	2,712	-446	-14.1%
60.5%	3,047	2,700	-347	-11.4%
61.7%	3,025	2,691	-334	-11.0%
63.0%	2,973	2,685	-288	-9.7%
64.2%	2,963	2,677	-286	-9.6%
65.4%	2,948	2,672	-276	-9.4%
66.7%	2,919	2,669	-250	-8.6%
67.9%	2,878	2,665	-213	-7.4%
69.1%	2,859	2,662	-196	-6.9%
70.4%	2,822	2,638	-184	-6.5%
71.6%	2,795	2,612	-183	-6.5%
72.8%	2,712	2,593	-120	-4.4%
74.1%	2,691	2,517	-174	-6.5%
75.3%	2,675	2,491	-184	-6.9%
76.5%	2,612	2,461	-151	-5.8%
77.8%	2,610	2,452	-158	-6.1%
79.0%	2,593	2,440	-152	-5.9%
80.2%	2,461	2,404	-57	-2.3%
81.5%	2,435	2,185	-250	-10.3%
82.7%	2,320	2,183	-137	-5.9%
84.0%	2,063	2,174	111	5.4%
85.2%	2,059	1,908	-151	-7.3%
86.4%	1,858	1,850	-9	-0.5%
87.7%	1,755	1,675	-80	-4.6%
88.9%	1,648	1,527	-121	-7.4%
90.1%	1,621	1,485	-136	-8.4%
91.4%	1,550	1,445	-105	-6.8%
92.6%	1,400	1,411	11	0.8%
93.8%	1,302	1,397	95	7.3%
95.1%	799	1,393	594	74.3%
96.3%	761	1,342	582	76.5%
97.5%	694	1,120	426	61.4%
98.8%	405	789	385	95.1%
100.0%	321	270	-52	-16.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,375	0	0.0%
1.2%	4,262	4,322	59	1.4%
2.5%	4,168	4,171	3	0.1%
3.7%	4,166	4,168	3	0.1%
4.9%	4,049	4,149	100	2.5%
6.2%	4,010	4,049	39	1.0%
7.4%	3,975	4,010	34	0.9%
8.6%	3,946	3,979	34	0.9%
9.9%	3,945	3,946	1	0.0%
11.1%	3,940	3,940	0	0.0%
12.3%	3,909	3,909	0	0.0%
13.6%	3,906	3,906	0	0.0%
14.8%	3,900	3,900	0	0.0%
16.0%	3,822	3,822	0	0.0%
17.3%	3,757	3,778	22	0.6%
18.5%	3,608	3,597	-10	-0.3%
19.8%	3,584	3,533	-51	-1.4%
21.0%	3,384	3,506	122	3.6%
22.2%	3,367	3,462	94	2.8%
23.5%	3,321	3,417	96	2.9%
24.7%	3,319	3,390	71	2.1%
25.9%	3,311	3,370	59	1.8%
27.2%	3,190	3,299	109	3.4%
28.4%	3,153	3,248	95	3.0%
29.6%	3,131	3,242	112	3.6%
30.9%	3,077	3,110	33	1.1%
32.1%	3,065	3,109	44	1.4%
33.3%	2,872	3,082	210	7.3%
34.6%	2,818	3,055	237	8.4%
35.8%	2,816	3,014	198	7.0%
37.0%	2,780	2,940	160	5.7%
38.3%	2,745	2,930	185	6.7%
39.5%	2,689	2,920	231	8.6%
40.7%	2,592	2,877	285	11.0%
42.0%	2,588	2,859	271	10.5%
43.2%	2,583	2,850	267	10.3%
44.4%	2,576	2,843	267	10.4%
45.7%	2,545	2,812	267	10.5%
46.9%	2,513	2,809	297	11.8%
48.1%	2,420	2,742	322	13.3%
49.4%	2,402	2,713	311	12.9%
50.6%	2,349	2,658	309	13.1%
51.9%	2,287	2,650	363	15.9%
53.1%	2,286	2,628	343	15.0%
54.3%	2,261	2,568	307	13.6%
55.6%	2,247	2,486	238	10.6%
56.8%	2,217	2,469	252	11.4%
58.0%	2,216	2,427	211	9.5%
59.3%	2,213	2,183	-31	-1.4%
60.5%	2,176	2,183	7	0.3%
61.7%	2,144	2,174	30	1.4%
63.0%	2,051	1,992	-60	-2.9%
64.2%	1,926	1,916	-10	-0.5%
65.4%	1,888	1,915	27	1.4%
66.7%	1,848	1,914	67	3.6%
67.9%	1,811	1,827	16	0.9%
69.1%	1,662	1,813	151	9.1%
70.4%	1,662	1,799	137	8.3%
71.6%	1,659	1,745	86	5.2%
72.8%	1,659	1,735	76	4.6%
74.1%	1,659	1,665	6	0.4%
75.3%	1,659	1,661	3	0.2%
76.5%	1,659	1,659	0	0.0%
77.8%	1,553	1,659	105	6.8%
79.0%	1,399	1,640	241	17.2%
80.2%	1,290	1,568	278	21.5%
81.5%	1,279	1,514	235	18.4%
82.7%	1,225	1,473	248	20.2%
84.0%	1,221	1,457	236	19.3%
85.2%	1,172	1,337	165	14.1%
86.4%	1,115	1,333	218	19.6%
87.7%	918	1,292	374	40.7%
88.9%	918	1,196	279	30.4%
90.1%	913	1,158	245	26.9%
91.4%	890	1,081	191	21.5%
92.6%	807	1,031	224	27.8%
93.8%	747	932	185	24.7%
95.1%	734	920	186	25.4%
96.3%	733	895	162	22.1%
97.5%	693	719	27	3.9%
98.8%	634	652	18	2.8%
100.0%	210	427	217	103.4%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,933	-2	0.0%
1.2%	4,935	4,912	-23	-0.5%
2.5%	4,924	4,607	-316	-6.4%
3.7%	4,918	4,511	-407	-8.3%
4.9%	4,913	4,498	-415	-8.4%
6.2%	4,888	4,420	-468	-9.6%
7.4%	4,834	4,397	-437	-9.0%
8.6%	4,758	4,337	-421	-8.8%
9.9%	4,655	4,287	-368	-7.9%
11.1%	4,647	4,188	-459	-9.9%
12.3%	4,585	4,186	-399	-8.7%
13.6%	4,420	4,154	-267	-6.0%
14.8%	4,408	4,135	-273	-6.2%
16.0%	4,348	4,068	-280	-6.4%
17.3%	4,287	4,028	-259	-6.0%
18.5%	4,230	3,969	-261	-6.2%
19.8%	4,223	3,947	-277	-6.6%
21.0%	4,188	3,936	-253	-6.0%
22.2%	4,147	3,931	-216	-5.2%
23.5%	4,146	3,918	-228	-5.5%
24.7%	4,113	3,913	-200	-4.9%
25.9%	4,106	3,900	-206	-5.0%
27.2%	3,976	3,890	-86	-2.2%
28.4%	3,902	3,873	-29	-0.7%
29.6%	3,852	3,827	-25	-0.6%
30.9%	3,827	3,826	-1	0.0%
32.1%	3,799	3,794	-5	-0.1%
33.3%	3,587	3,770	183	5.1%
34.6%	3,483	3,769	286	8.2%
35.8%	3,221	3,753	533	16.5%
37.0%	2,956	3,392	436	14.7%
38.3%	2,918	3,232	313	10.7%
39.5%	2,879	3,200	321	11.1%
40.7%	2,762	3,173	411	14.9%
42.0%	2,721	3,079	358	13.1%
43.2%	2,720	3,028	308	11.3%
44.4%	2,569	3,003	434	16.9%
45.7%	2,499	2,831	333	13.3%
46.9%	2,496	2,580	85	3.4%
48.1%	2,436	2,557	121	5.0%
49.4%	2,256	2,439	183	8.1%
50.6%	2,176	2,394	218	10.0%
51.9%	2,170	2,260	90	4.2%
53.1%	2,009	2,233	223	11.1%
54.3%	1,985	2,109	124	6.3%
55.6%	1,955	2,078	123	6.3%
56.8%	1,953	2,028	75	3.8%
58.0%	1,951	1,886	-65	-3.3%
59.3%	1,914	1,780	-134	-7.0%
60.5%	1,902	1,759	-143	-7.5%
61.7%	1,862	1,725	-138	-7.4%
63.0%	1,812	1,705	-107	-5.9%
64.2%	1,810	1,596	-214	-11.8%
65.4%	1,734	1,584	-150	-8.6%
66.7%	1,726	1,584	-142	-8.2%
67.9%	1,679	1,561	-118	-7.0%
69.1%	1,583	1,553	-30	-1.9%
70.4%	1,467	1,528	61	4.2%
71.6%	1,461	1,469	8	0.5%
72.8%	1,459	1,464	4	0.3%
74.1%	1,459	1,452	-7	-0.5%
75.3%	1,456	1,435	-21	-1.4%
76.5%	1,426	1,388	-38	-2.7%
77.8%	1,424	1,333	-91	-6.4%
79.0%	1,292	1,281	-11	-0.9%
80.2%	1,252	1,250	-1	-0.1%
81.5%	1,082	1,227	145	13.4%
82.7%	1,056	1,213	157	14.8%
84.0%	946	1,207	261	27.6%
85.2%	923	1,196	273	29.6%
86.4%	907	1,162	254	28.0%
87.7%	889	1,108	219	24.6%
88.9%	839	1,082	242	28.9%
90.1%	829	1,079	250	30.2%
91.4%	754	1,027	273	36.2%
92.6%	747	988	241	32.3%
93.8%	747	924	178	23.8%
95.1%	740	907	167	22.6%
96.3%	691	743	52	7.6%
97.5%	503	743	240	47.8%
98.8%	425	425	0	0.0%
100.0%	356	356	0	0.0%

Table SW-29-3a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative A	1,416	2,642	3,282	4,329	4,972	3,616	3,080	3,241	3,194	2,932	2,367	2,474
Difference	62	-10	94	38	2	45	29	19	-42	-416	132	2
Percent Difference[3]	4.6%	-0.4%	2.9%	0.9%	0.0%	1.3%	0.9%	0.6%	-1.3%	-12.4%	5.9%	0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative A	1,626	3,787	3,606	8,626	8,992	5,914	4,996	5,711	5,482	3,287	3,135	3,813
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.6%	-0.5%	2.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.4%	-8.2%	4.8%	-6.4%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative A	1,382	2,643	2,982	4,637	6,186	5,276	3,234	3,408	2,880	3,621	2,539	2,820
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.6%	-12.1%	7.8%	-1.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative A	1,649	3,371	3,946	2,256	3,979	2,265	2,922	2,609	2,320	3,324	2,371	2,357
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.3%	3.4%	1.4%	3.1%	-2.1%	-0.3%	5.0%	2.1%	-1.3%	-26.9%	12.0%	27.0%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative A	1,287	1,660	4,134	1,552	1,718	2,043	1,609	1,511	2,093	2,712	1,929	1,446
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.4%	2.1%	6.4%	-5.1%	1.9%	-0.1%	-8.7%	-5.6%	4.0%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative A	914	781	824	1,299	1,087	911	1,165	1,057	1,220	1,346	1,181	908
Difference	-46	-107	-33	-34	2	76	171	27	-214	111	287	-28
Percent Difference	-4.8%	-12.0%	-3.8%	-2.5%	0.1%	9.1%	17.2%	2.6%	-14.9%	9.0%	32.1%	-3.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-29-3b
American River at H Street, Monthly Flow
Probability of Exceedance

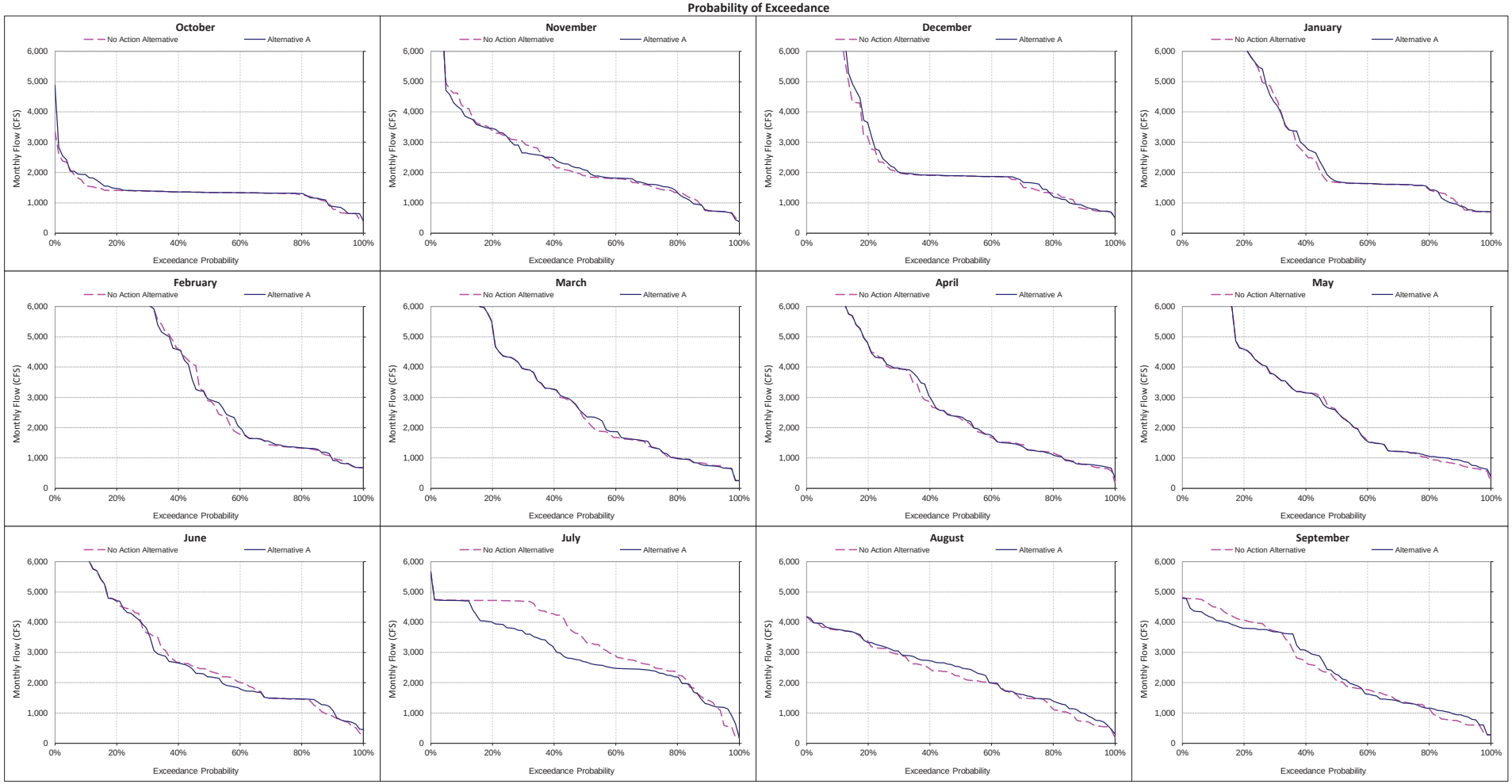

Table SW-29-3b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	4,882	1,530	45.6%
1.2%	2,603	2,843	240	9.2%
2.5%	2,376	2,543	167	7.0%
3.7%	2,348	2,433	84	3.6%
4.9%	2,096	2,046	-50	-2.4%
6.2%	1,936	2,046	110	5.7%
7.4%	1,824	1,955	131	7.2%
8.6%	1,750	1,939	188	10.8%
9.9%	1,554	1,936	382	24.6%
11.1%	1,543	1,830	287	18.6%
12.3%	1,526	1,820	294	19.2%
13.6%	1,492	1,741	249	16.7%
14.8%	1,482	1,651	168	11.3%
16.0%	1,412	1,553	141	10.0%
17.3%	1,409	1,552	143	10.1%
18.5%	1,408	1,489	81	5.7%
19.8%	1,406	1,477	71	5.1%
21.0%	1,403	1,455	52	3.7%
22.2%	1,403	1,413	11	0.8%
23.5%	1,399	1,408	9	0.7%
24.7%	1,397	1,405	8	0.6%
25.9%	1,394	1,398	4	0.3%
27.2%	1,393	1,397	4	0.3%
28.4%	1,387	1,396	8	0.6%
29.6%	1,386	1,390	4	0.3%
30.9%	1,382	1,389	7	0.5%
32.1%	1,378	1,386	8	0.6%
33.3%	1,378	1,386	8	0.6%
34.6%	1,377	1,385	8	0.6%
35.8%	1,374	1,377	3	0.2%
37.0%	1,363	1,361	-1	-0.1%
38.3%	1,359	1,361	1	0.1%
39.5%	1,357	1,357	0	0.0%
40.7%	1,357	1,357	0	0.0%
42.0%	1,357	1,356	-1	0.0%
43.2%	1,356	1,355	-1	0.0%
44.4%	1,353	1,352	-2	-0.1%
45.7%	1,350	1,349	-1	-0.1%
46.9%	1,348	1,348	0	0.0%
48.1%	1,345	1,342	-2	-0.2%
49.4%	1,344	1,342	-2	-0.1%
50.6%	1,342	1,341	0	0.0%
51.9%	1,341	1,341	0	0.0%
53.1%	1,341	1,341	1	0.0%
54.3%	1,340	1,338	-2	-0.2%
55.6%	1,340	1,338	-2	-0.2%
56.8%	1,337	1,336	-1	-0.1%
58.0%	1,336	1,336	0	0.0%
59.3%	1,335	1,333	-2	-0.2%
60.5%	1,335	1,332	-3	-0.2%
61.7%	1,334	1,330	-3	-0.3%
63.0%	1,333	1,330	-3	-0.2%
64.2%	1,331	1,327	-5	-0.3%
65.4%	1,329	1,326	-4	-0.3%
66.7%	1,325	1,325	0	0.0%
67.9%	1,317	1,324	7	0.5%
69.1%	1,316	1,324	7	0.6%
70.4%	1,316	1,322	7	0.5%
71.6%	1,314	1,317	3	0.3%
72.8%	1,313	1,316	3	0.2%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,315	8	0.6%
76.5%	1,306	1,313	7	0.6%
77.8%	1,305	1,312	8	0.6%
79.0%	1,271	1,308	37	2.9%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,237	6	0.5%
82.7%	1,210	1,162	-48	-3.9%
84.0%	1,166	1,156	-10	-0.8%
85.2%	1,128	1,146	18	1.6%
86.4%	1,082	1,112	30	2.8%
87.7%	1,053	1,099	46	4.4%
88.9%	969	897	-72	-7.4%
90.1%	784	880	97	12.4%
91.4%	771	864	92	12.0%
92.6%	673	848	175	26.0%
93.8%	663	763	100	15.0%
95.1%	644	648	4	0.6%
96.3%	643	644	1	0.2%
97.5%	641	643	2	0.3%
98.8%	433	641	208	48.1%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	16,629	-583	-3.4%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,367	585	8.6%
4.9%	4,957	4,705	-252	-5.1%
6.2%	4,731	4,577	-154	-3.3%
7.4%	4,628	4,307	-321	-6.9%
8.6%	4,621	4,181	-439	-9.5%
9.9%	4,251	4,084	-166	-3.9%
11.1%	4,110	3,859	-251	-6.1%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,751	-54	-1.4%
14.8%	3,636	3,589	-47	-1.3%
16.0%	3,582	3,543	-38	-1.1%
17.3%	3,566	3,498	-67	-1.9%
18.5%	3,506	3,469	-37	-1.1%
19.8%	3,401	3,462	61	1.8%
21.0%	3,298	3,427	129	3.9%
22.2%	3,295	3,327	32	1.0%
23.5%	3,235	3,301	66	2.0%
24.7%	3,202	3,189	-13	-0.4%
25.9%	3,101	3,024	-77	-2.5%
27.2%	3,085	2,909	-177	-5.7%
28.4%	3,069	2,906	-162	-5.3%
29.6%	3,039	2,648	-391	-12.9%
30.9%	2,917	2,646	-271	-9.3%
32.1%	2,877	2,613	-264	-9.2%
33.3%	2,829	2,598	-231	-8.2%
34.6%	2,803	2,581	-222	-7.9%
35.8%	2,613	2,565	-49	-1.9%
37.0%	2,488	2,508	20	0.8%
38.3%	2,450	2,501	51	2.1%
39.5%	2,263	2,498	235	10.4%
40.7%	2,152	2,391	239	11.1%
42.0%	2,151	2,330	179	8.3%
43.2%	2,091	2,291	200	9.6%
44.4%	2,079	2,275	196	9.4%
45.7%	2,040	2,202	162	7.9%
46.9%	1,983	2,159	176	8.9%
48.1%	1,968	2,151	183	9.3%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,071	187	9.9%
51.9%	1,847	1,943	97	5.2%
53.1%	1,840	1,886	46	2.5%
54.3%	1,826	1,884	57	3.1%
55.6%	1,825	1,854	29	1.6%
56.8%	1,813	1,847	34	1.9%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,814	18	1.0%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,810	33	1.9%
64.2%	1,757	1,797	40	2.3%
65.4%	1,667	1,782	115	6.9%
66.7%	1,666	1,701	35	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,460	1,575	115	7.9%
75.3%	1,423	1,535	112	7.8%
76.5%	1,421	1,526	104	7.4%
77.8%	1,404	1,488	83	5.9%
79.0%	1,340	1,434	94	7.0%
80.2%	1,324	1,304	-19	-1.5%
81.5%	1,311	1,205	-106	-8.1%
82.7%	1,240	1,146	-94	-7.6%
84.0%	1,162	1,082	-80	-6.9%
85.2%	1,137	967	-170	-15.0%
86.4%	1,061	943	-118	-11.1%
87.7%	894	940	47	5.2%
88.9%	748	773	25	3.4%
90.1%	725	747	22	3.0%
91.4%	722	731	8	1.2%
92.6%	720	721	0	0.0%
93.8%	716	716	0	0.0%
95.1%	714	708	-6	-0.8%
96.3%	682	682	0	0.0%
97.5%	672	662	-10	-1.6%
98.8%	513	447	-67	-13.0%
100.0%	377	375	-2	-0.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,192	400	2.0%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	16,526	646	4.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,765	-4	0.0%
6.2%	12,867	13,309	441	3.4%
7.4%	8,949	8,949	0	0.0%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,126	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,384	644	11.2%
13.6%	5,025	5,276	250	5.0%
14.8%	4,349	4,934	585	13.4%
16.0%	4,306	4,689	383	8.9%
17.3%	4,294	4,455	161	3.8%
18.5%	3,212	3,717	505	15.7%
19.8%	3,196	3,656	461	14.4%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	2,781	39	1.4%
23.5%	2,349	2,731	382	16.3%
24.7%	2,342	2,455	113	4.8%
25.9%	2,221	2,342	121	5.4%
27.2%	2,096	2,220	124	5.9%
28.4%	2,059	2,160	101	4.9%
29.6%	2,002	2,018	16	0.8%
30.9%	1,969	1,988	18	0.9%
32.1%	1,950	1,972	23	1.2%
33.3%	1,934	1,969	35	1.8%
34.6%	1,933	1,950	17	0.9%
35.8%	1,922	1,934	12	0.6%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,918	1	0.1%
39.5%	1,911	1,912	1	0.1%
40.7%	1,911	1,910	-1	0.0%
42.0%	1,899	1,909	10	0.5%
43.2%	1,897	1,908	11	0.6%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,896	0	0.0%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,893	0	0.0%
50.6%	1,884	1,890	6	0.3%
51.9%	1,879	1,884	5	0.3%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,874	-3	-0.1%
56.8%	1,872	1,871	0	0.0%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,870	-1	0.0%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,869	11	0.6%
63.0%	1,857	1,869	12	0.7%
64.2%	1,856	1,863	7	0.4%
65.4%	1,846	1,861	15	0.8%
66.7%	1,770	1,857	87	4.9%
67.9%	1,767	1,812	44	2.5%
69.1%	1,666	1,769	103	6.2%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,452	110	8.2%
77.8%	1,340	1,441	100	7.5%
79.0%	1,333	1,296	-36	-2.7%
80.2%	1,303	1,178	-125	-9.6%
81.5%	1,285	1,164	-121	-9.4%
82.7%	1,181	1,115	-66	-5.6%
84.0%	1,178	1,105	-73	-6.2%
85.2%	1,132	995	-137	-12.1%
86.4%	1,094	962	-132	-12.1%
87.7%	852	946	95	11.1%
88.9%	829	940	111	13.4%
90.1%	799	881	82	10.2%
91.4%	790	832	43	5.4%
92.6%	766	799	34	4.4%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	719	0	0.0%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,267	-4	0.0%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,634	-15	-0.1%
3.7%	15,531	15,826	296	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,798	-4	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,741	-5	0.0%
9.9%	10,534	10,580	46	0.4%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,284	-14	-0.2%
13.6%	9,052	9,051	-1	0.0%
14.8%	8,927	8,922	-6	-0.1%
16.0%	7,747	7,740	-6	-0.1%
17.3%	7,461	7,461	0	0.0%
18.5%	6,778	6,786	8	0.1%
19.8%	6,640	6,546	-94	-1.4%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,817	-1	0.0%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,483	65	1.2%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,556	-306	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,566	38	1.1%
34.6%	3,392	3,409	18	0.5%
35.8%	3,364	3,376	12	0.4%
37.0%	2,907	3,367	460	15.8%
38.3%	2,782	2,997	215	7.7%
39.5%	2,644	2,896	252	9.5%
40.7%	2,487	2,756	269	10.8%
42.0%	2,482	2,704	223	9.0%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,392	312	15.0%
45.7%	1,863	2,167	304	16.3%
46.9%	1,712	1,929	217	12.7%
48.1%	1,704	1,806	102	6.0%
49.4%	1,676	1,729	53	3.2%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,643	6	0.3%
58.0%	1,631	1,641	10	0.6%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,631	10	0.6%
63.0%	1,616	1,629	13	0.8%
64.2%	1,612	1,616	5	0.3%
65.4%	1,610	1,612	2	0.1%
66.7%	1,608	1,610	2	0.1%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,607	6	0.4%
71.6%	1,599	1,600	2	0.1%
72.8%	1,597	1,599	2	0.1%
74.1%	1,582	1,597	15	0.9%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,553	35	2.3%
80.2%	1,418	1,426	8	0.5%
81.5%	1,375	1,424	49	3.5%
82.7%	1,340	1,375	35	2.6%
84.0%	1,325	1,155	-169	-12.8%
85.2%	1,296	1,085	-211	-16.3%
86.4%	1,173	1,014	-159	-13.6%
87.7%	1,149	977	-171	-14.9%
88.9%	1,016	959	-56	-5.6%
90.1%	973	879	-95	-9.7%
91.4%	774	867	93	12.1%
92.6%	748	774	26	3.5%
93.8%	721	767	45	6.3%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-29-3b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,561	-7	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,454	0	0.0%
4.9%	13,388	13,388	-1	0.0%
6.2%	13,055	13,040	-15	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,187	-9	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,507	0	0.0%
14.8%	10,012	10,006	-6	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,153	-12	-0.1%
21.0%	7,881	8,089	208	2.6%
22.2%	7,868	7,881	13	0.2%
23.5%	7,716	7,863	148	1.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,023	-7	-0.1%
27.2%	6,732	6,578	-154	-2.3%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,074	-1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,394	-157	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,621	-243	-5.0%
39.5%	4,621	4,592	-29	-0.6%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,594	-497	-12.1%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,221	-73	-2.2%
48.1%	3,218	3,211	-7	-0.2%
49.4%	2,895	2,958	63	2.2%
50.6%	2,865	2,907	43	1.5%
51.9%	2,723	2,864	141	5.2%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,659	264	11.0%
55.6%	2,347	2,441	94	4.0%
56.8%	2,066	2,376	310	15.0%
58.0%	1,895	2,337	442	23.3%
59.3%	1,814	2,064	251	13.8%
60.5%	1,754	1,944	190	10.8%
61.7%	1,747	1,724	-24	-1.4%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,565	8	0.5%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,502	68	4.7%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,435	41	3.0%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,318	44	3.4%
85.2%	1,253	1,283	30	2.4%
86.4%	1,152	1,194	42	3.7%
87.7%	1,103	1,188	84	7.7%
88.9%	1,083	1,152	68	6.3%
90.1%	986	912	-73	-7.4%
91.4%	954	911	-43	-4.5%
92.6%	936	830	-107	-11.4%
93.8%	842	815	-26	-3.1%
95.1%	815	813	-2	-0.3%
96.3%	731	747	16	2.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,420	544	4.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,425	631	8.1%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,508	-10	-0.2%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,495	-2	0.0%
23.5%	4,368	4,364	-4	-0.1%
24.7%	4,347	4,340	-8	-0.2%
25.9%	4,330	4,321	-8	-0.2%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,901	-8	-0.2%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,065	67	2.3%
43.2%	2,979	3,010	31	1.0%
44.4%	2,924	2,974	50	1.7%
45.7%	2,880	2,886	7	0.2%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,590	-1	0.0%
49.4%	2,363	2,472	108	4.6%
50.6%	2,223	2,354	131	5.9%
51.9%	2,080	2,352	271	13.1%
53.1%	1,952	2,342	390	20.0%
54.3%	1,882	2,297	414	22.0%
55.6%	1,872	2,223	351	18.8%
56.8%	1,864	1,932	69	3.7%
58.0%	1,788	1,879	91	5.1%
59.3%	1,678	1,867	189	11.3%
60.5%	1,670	1,865	194	11.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,346	-16	-1.2%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,297	2	0.2%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,019	-17	-1.6%
79.0%	1,014	998	-16	-1.5%
80.2%	1,000	973	-27	-2.7%
81.5%	974	961	-14	-1.4%
82.7%	969	957	-12	-1.2%
84.0%	932	953	21	2.2%
85.2%	865	846	-18	-2.1%
86.4%	854	835	-19	-2.3%
87.7%	833	779	-54	-6.4%
88.9%	823	753	-70	-8.5%
90.1%	757	743	-15	-2.0%
91.4%	753	737	-16	-2.1%
92.6%	743	730	-13	-1.8%
93.8%	743	700	-42	-5.7%
95.1%	685	664	-21	-3.0%
96.3%	664	664	0	0.0%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,691	-1	0.0%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,330	-131	-2.9%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,097	57	1.4%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,920	-6	-0.2%
33.3%	3,812	3,910	98	2.6%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,679	213	6.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,870	191	7.1%
42.0%	2,643	2,643	0	0.0%
43.2%	2,571	2,571	0	0.0%
44.4%	2,566	2,566	0	0.0%
45.7%	2,453	2,430	-23	-0.9%
46.9%	2,430	2,395	-34	-1.4%
48.1%	2,388	2,381	-7	-0.3%
49.4%	2,339	2,374	35	1.5%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,208	94	4.4%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,962	93	5.0%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,775	72	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,530	-32	-2.0%
63.0%	1,525	1,511	-14	-0.9%
64.2%	1,512	1,503	-9	-0.6%
65.4%	1,511	1,492	-19	-1.3%
66.7%	1,503	1,485	-19	-1.2%
67.9%	1,492	1,450	-42	-2.8%
69.1%	1,450	1,424	-26	-1.8%
70.4%	1,427	1,360	-68	-4.7%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,236	0	0.0%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,170	-35	-2.9%
79.0%	1,198	1,148	-50	-4.2%
80.2%	1,155	1,081	-73	-6.4%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	1,041	-14	-1.3%
84.0%	948	917	-31	-3.2%
85.2%	919	904	-15	-1.6%
86.4%	899	872	-27	-3.0%
87.7%	850	808	-42	-5.0%
88.9%	798	797	-1	-0.1%
90.1%	783	796	12	1.6%
91.4%	783	791	8	1.1%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	743	63	9.3%
96.3%	654	708	55	8.4%
97.5%	640	699	59	9.2%
98.8%	579	665	86	14.9%
100.0%	188	339	151	80.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,070	6	0.2%
27.2%	4,060	4,027	-32	-0.8%
28.4%	3,817	3,784	-33	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,655	-1	0.0%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,192	-3	-0.1%
38.3%	3,191	3,191	0	0.0%
39.5%	3,160	3,157	-2	-0.1%
40.7%	3,142	3,142	0	0.0%
42.0%	3,134	3,134	0	0.0%
43.2%	3,121	3,060	-61	-1.9%
44.4%	3,060	2,993	-67	-2.2%
45.7%	3,034	2,765	-269	-8.9%
46.9%	2,760	2,662	-99	-3.6%
48.1%	2,674	2,626	-48	-1.8%
49.4%	2,626	2,598	-28	-1.1%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,246	-9	-0.4%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,961	-8	-0.4%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,604	-45	-2.7%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,237	2	0.2%
67.9%	1,221	1,225	4	0.3%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,173	19	1.7%
75.3%	1,153	1,169	16	1.4%
76.5%	1,090	1,146	56	5.1%
77.8%	1,038	1,113	75	7.2%
79.0%	1,029	1,077	48	4.7%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	140	16.2%
86.4%	845	985	140	16.5%
87.7%	830	948	118	14.2%
88.9%	796	945	149	18.8%
90.1%	768	923	155	20.2%
91.4%	716	868	152	21.3%
92.6%	698	854	156	22.4%
93.8%	661	753	92	13.9%
95.1%	649	749	101	15.5%
96.3%	627	686	59	9.5%
97.5%	594	656	62	10.5%
98.8%	571	626	55	9.6%
100.0%	188	384	196	104.2%

Table SW-29-3b

American River at H Street, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,713	-26	-0.6%
21.0%	4,541	4,701	160	3.5%
22.2%	4,482	4,444	-38	-0.8%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,188	-128	-3.0%
27.2%	4,294	4,088	-206	-4.8%
28.4%	3,813	3,941	128	3.4%
29.6%	3,647	3,812	165	4.5%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,957	-544	-15.5%
34.6%	3,143	2,911	-233	-7.4%
35.8%	3,065	2,877	-188	-6.1%
37.0%	2,864	2,699	-165	-5.8%
38.3%	2,776	2,683	-93	-3.4%
39.5%	2,672	2,662	-10	-0.4%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,602	-37	-1.4%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,307	-221	-8.8%
46.9%	2,468	2,304	-164	-6.6%
48.1%	2,464	2,287	-176	-7.2%
49.4%	2,447	2,197	-250	-10.2%
50.6%	2,363	2,190	-173	-7.3%
51.9%	2,327	2,164	-163	-7.0%
53.1%	2,296	2,144	-152	-6.6%
54.3%	2,197	1,974	-223	-10.1%
55.6%	2,193	1,911	-282	-12.9%
56.8%	2,176	1,888	-288	-13.2%
58.0%	2,116	1,864	-251	-11.9%
59.3%	2,029	1,839	-191	-9.4%
60.5%	1,997	1,768	-229	-11.5%
61.7%	1,966	1,729	-238	-12.1%
63.0%	1,882	1,720	-161	-8.6%
64.2%	1,839	1,720	-119	-6.5%
65.4%	1,720	1,683	-37	-2.1%
66.7%	1,712	1,679	-33	-2.0%
67.9%	1,495	1,518	23	1.5%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,468	11	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,447	193	15.4%
85.2%	1,176	1,356	180	15.3%
86.4%	1,045	1,277	232	22.2%
87.7%	980	1,271	292	29.8%
88.9%	946	1,219	273	28.9%
90.1%	889	1,073	184	20.7%
91.4%	814	844	30	3.7%
92.6%	803	776	-27	-3.4%
93.8%	726	728	2	0.2%
95.1%	690	726	36	5.2%
96.3%	550	685	135	24.5%
97.5%	511	629	118	23.1%
98.8%	332	466	134	40.4%
100.0%	188	456	268	142.4%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,719	-8	-0.2%
8.6%	4,727	4,717	-10	-0.2%
9.9%	4,726	4,714	-12	-0.2%
11.1%	4,724	4,709	-15	-0.3%
12.3%	4,723	4,702	-21	-0.4%
13.6%	4,723	4,418	-304	-6.4%
14.8%	4,720	4,232	-488	-10.3%
16.0%	4,719	4,048	-672	-14.2%
17.3%	4,719	4,041	-678	-14.4%
18.5%	4,718	4,023	-695	-14.7%
19.8%	4,717	4,007	-711	-15.1%
21.0%	4,717	3,941	-776	-16.5%
22.2%	4,716	3,933	-784	-16.6%
23.5%	4,712	3,930	-782	-16.6%
24.7%	4,709	3,818	-891	-18.9%
25.9%	4,707	3,810	-898	-19.1%
27.2%	4,707	3,787	-920	-19.5%
28.4%	4,702	3,733	-969	-20.6%
29.6%	4,698	3,723	-976	-20.8%
30.9%	4,690	3,605	-1,084	-23.1%
32.1%	4,684	3,603	-1,081	-23.1%
33.3%	4,623	3,519	-1,104	-23.9%
34.6%	4,424	3,480	-943	-21.3%
35.8%	4,373	3,429	-944	-21.6%
37.0%	4,364	3,412	-952	-21.8%
38.3%	4,288	3,281	-1,007	-23.5%
39.5%	4,282	3,204	-1,077	-25.2%
40.7%	4,233	3,008	-1,225	-28.9%
42.0%	4,232	2,979	-1,253	-29.6%
43.2%	4,105	2,859	-1,246	-30.4%
44.4%	3,838	2,808	-1,030	-26.8%
45.7%	3,723	2,800	-922	-24.8%
46.9%	3,639	2,767	-872	-24.0%
48.1%	3,615	2,754	-860	-23.8%
49.4%	3,480	2,703	-778	-22.3%
50.6%	3,323	2,674	-648	-19.5%
51.9%	3,319	2,623	-696	-21.0%
53.1%	3,262	2,602	-660	-20.2%
54.3%	3,260	2,585	-675	-20.7%
55.6%	3,123	2,573	-551	-17.6%
56.8%	3,068	2,535	-533	-17.4%
58.0%	2,979	2,507	-472	-15.9%
59.3%	2,939	2,480	-459	-15.6%
60.5%	2,835	2,477	-357	-12.6%
61.7%	2,819	2,470	-349	-12.4%
63.0%	2,772	2,466	-306	-11.0%
64.2%	2,754	2,462	-292	-10.6%
65.4%	2,750	2,453	-297	-10.8%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,443	-215	-8.1%
69.1%	2,623	2,441	-182	-6.9%
70.4%	2,609	2,420	-188	-7.2%
71.6%	2,578	2,396	-182	-7.1%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,314	-152	-6.1%
75.3%	2,457	2,310	-147	-6.0%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,238	-146	-6.1%
79.0%	2,382	2,199	-183	-7.7%
80.2%	2,247	2,185	-62	-2.8%
81.5%	2,225	1,972	-253	-11.4%
82.7%	2,102	1,968	-134	-6.4%
84.0%	1,849	1,935	86	4.7%
85.2%	1,824	1,696	-128	-7.0%
86.4%	1,644	1,635	-9	-0.5%
87.7%	1,542	1,460	-82	-5.3%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,285	-128	-9.1%
91.4%	1,349	1,235	-115	-8.5%
92.6%	1,190	1,200	9	0.8%
93.8%	1,091	1,189	98	9.0%
95.1%	588	1,180	592	100.8%
96.3%	556	1,132	576	103.6%
97.5%	546	915	370	67.7%
98.8%	188	651	463	246.4%
100.0%	188	188	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	4,137	68	1.7%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,955	117	3.1%
6.2%	3,809	3,838	29	0.8%
7.4%	3,778	3,809	31	0.8%
8.6%	3,757	3,782	25	0.7%
9.9%	3,747	3,757	10	0.3%
11.1%	3,742	3,747	5	0.1%
12.3%	3,717	3,717	0	0.0%
13.6%	3,703	3,703	0	0.0%
14.8%	3,685	3,685	0	0.0%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,593	45	1.3%
18.5%	3,421	3,402	-19	-0.5%
19.8%	3,392	3,330	-62	-1.8%
21.0%	3,192	3,330	138	4.3%
22.2%	3,157	3,268	112	3.5%
23.5%	3,143	3,235	92	2.9%
24.7%	3,136	3,203	67	2.1%
25.9%	3,125	3,161	36	1.1%
27.2%	3,008	3,115	108	3.6%
28.4%	2,967	3,057	90	3.0%
29.6%	2,941	3,052	110	3.7%
30.9%	2,892	2,921	29	1.0%
32.1%	2,862	2,903	41	1.4%
33.3%	2,687	2,891	203	7.6%
34.6%	2,628	2,865	238	9.0%
35.8%	2,625	2,803	178	6.8%
37.0%	2,594	2,751	157	6.1%
38.3%	2,562	2,741	179	7.0%
39.5%	2,501	2,733	232	9.3%
40.7%	2,398	2,708	309	12.9%
42.0%	2,393	2,666	273	11.4%
43.2%	2,391	2,661	270	11.3%
44.4%	2,372	2,658	286	12.1%
45.7%	2,360	2,620	260	11.0%
46.9%	2,323	2,605	282	12.1%
48.1%	2,238	2,539	300	13.4%
49.4%	2,224	2,535	311	14.0%
50.6%	2,158	2,473	315	14.6%
51.9%	2,098	2,460	362	17.2%
53.1%	2,079	2,443	364	17.5%
54.3%	2,074	2,373	299	14.4%
55.6%	2,063	2,304	241	11.7%
56.8%	2,029	2,279	251	12.3%
58.0%	2,020	2,239	219	10.9%
59.3%	2,013	1,997	-16	-0.8%
60.5%	1,982	1,992	10	0.5%
61.7%	1,949	1,991	41	2.1%
63.0%	1,866	1,810	-56	-3.0%
64.2%	1,726	1,739	13	0.7%
65.4%	1,699	1,722	23	1.4%
66.7%	1,667	1,712	46	2.7%
67.9%	1,617	1,642	24	1.5%
69.1%	1,489	1,619	130	8.7%
70.4%	1,489	1,599	110	7.4%
71.6%	1,482	1,557	76	5.1%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	10	0.7%
76.5%	1,466	1,472	5	0.4%
77.8%	1,370	1,470	100	7.3%
79.0%	1,213	1,454	241	19.9%
80.2%	1,102	1,374	273	24.7%
81.5%	1,093	1,331	238	21.8%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,272	231	22.2%
85.2%	993	1,144	152	15.3%
86.4%	922	1,143	222	24.0%
87.7%	750	1,105	355	47.3%
88.9%	728	1,008	280	38.4%
90.1%	723	979	255	35.3%
91.4%	703	897	194	27.6%
92.6%	624	844	220	35.2%
93.8%	571	752	181	31.7%
95.1%	561	747	186	33.2%
96.3%	549	708	160	29.1%
97.5%	545	598	52	9.6%
98.8%	444	463	19	4.3%
100.0%	188	309	121	64.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,788	-37	-0.8%
1.2%	4,791	4,781	-11	-0.2%
2.5%	4,781	4,470	-310	-6.5%
3.7%	4,778	4,367	-412	-8.6%
4.9%	4,773	4,353	-420	-8.8%
6.2%	4,751	4,341	-411	-8.6%
7.4%	4,679	4,253	-426	-9.1%
8.6%	4,607	4,184	-423	-9.2%
9.9%	4,514	4,144	-369	-8.2%
11.1%	4,494	4,051	-443	-9.8%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	4,007	-334	-7.7%
14.8%	4,265	3,984	-281	-6.6%
16.0%	4,210	3,928	-283	-6.7%
17.3%	4,144	3,880	-265	-6.4%
18.5%	4,089	3,834	-255	-6.2%
19.8%	4,080	3,800	-280	-6.9%
21.0%	4,039	3,797	-243	-6.0%
22.2%	4,004	3,795	-209	-5.2%
23.5%	4,001	3,789	-212	-5.3%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,683	-29	-0.8%
30.9%	3,684	3,681	-3	-0.1%
32.1%	3,660	3,655	-5	-0.1%
33.3%	3,453	3,627	173	5.0%
34.6%	3,337	3,616	280	8.4%
35.8%	3,078	3,614	536	17.4%
37.0%	2,813	3,240	427	15.2%
38.3%	2,784	3,088	304	10.9%
39.5%	2,739	3,086	347	12.7%
40.7%	2,610	3,027	417	16.0%
42.0%	2,588	2,946	358	13.8%
43.2%	2,569	2,918	348	13.6%
44.4%	2,428	2,887	459	18.9%
45.7%	2,368	2,681	313	13.2%
46.9%	2,350	2,443	93	4.0%
48.1%	2,286	2,417	131	5.8%
49.4%	2,119	2,296	177	8.3%
50.6%	2,029	2,247	218	10.7%
51.9%	2,027	2,119	92	4.6%
53.1%	1,897	2,087	190	10.0%
54.3%	1,842	1,977	135	7.3%
55.6%	1,835	1,936	101	5.5%
56.8%	1,813	1,897	84	4.6%
58.0%	1,806	1,821	16	0.9%
59.3%	1,776	1,639	-137	-7.7%
60.5%	1,763	1,620	-144	-8.1%
61.7%	1,722	1,588	-134	-7.8%
63.0%	1,671	1,562	-109	-6.5%
64.2%	1,665	1,464	-201	-12.1%
65.4%	1,610	1,459	-151	-9.4%
66.7%	1,585	1,444	-141	-8.9%
67.9%	1,535	1,438	-97	-6.3%
69.1%	1,438	1,422	-15	-1.1%
70.4%	1,396	1,378	-19	-1.3%
71.6%	1,357	1,324	-33	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,309	-10	-0.7%
75.3%	1,312	1,294	-18	-1.4%
76.5%	1,286	1,242	-43	-3.4%
77.8%	1,280	1,190	-90	-7.1%
79.0%	1,150	1,158	8	0.7%
80.2%	1,109	1,156	48	4.3%
81.5%	944	1,131	187	19.8%
82.7%	906	1,084	177	19.6%
84.0%	805	1,074	269	33.5%
85.2%	790	1,054	263	33.3%
86.4%	771	1,026	255	33.0%
87.7%	758	975	217	28.7%
88.9%	754	944	190	25.2%
90.1%	707	942	235	33.3%
91.4%	633	896	263	41.5%
92.6%	606	867	261	43.1%
93.8%	605	791	187	30.9%
95.1%	603	771	168	27.8%
96.3%	598	602	3	0.6%
97.5%	367	602	235	64.1%
98.8%	281	281	0	0.0%
100.0%	281	281	0	0.0%

Table SW-46-3a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,391	3,310	5,688	8,005	8,934	9,288	5,661	6,395	5,916	8,753	5,958	5,411
Alternative A	3,154	3,257	5,444	8,024	8,979	9,419	5,620	6,327	6,047	8,785	5,977	5,640
Difference	-237	-52	-244	19	45	131	-40	-68	131	32	19	228
Percent Difference[3]	-7.0%	-1.6%	-4.3%	0.2%	0.5%	1.4%	-0.7%	-1.1%	2.2%	0.4%	0.3%	4.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,413	4,541	7,604	17,055	17,558	18,241	10,720	12,703	9,229	8,577	5,372	9,157
Alternative A	4,152	4,402	7,239	17,160	17,531	18,294	10,725	12,706	9,439	8,612	5,261	9,353
Difference	-260	-139	-365	106	-27	53	5	3	210	35	-111	196
Percent Difference	-5.9%	-3.1%	-4.8%	0.6%	-0.2%	0.3%	0.1%	0.0%	2.3%	0.4%	-2.1%	2.1%
Above Normal (15%)												
No Action Alternative	4,143	3,418	5,228	7,269	9,498	11,635	5,461	6,404	5,931	10,210	7,446	7,683
Alternative A	3,949	3,419	4,599	7,361	9,477	12,101	5,461	6,500	6,271	10,281	6,989	7,975
Difference	-193	1	-629	92	-21	466	0	96	340	71	-458	292
Percent Difference	-4.7%	0.0%	-12.0%	1.3%	-0.2%	4.0%	0.0%	1.5%	5.7%	0.7%	-6.1%	3.8%
Below Normal (17%)												
No Action Alternative	3,332	3,305	5,318	3,740	5,403	4,142	3,451	3,136	4,345	9,846	7,514	3,235
Alternative A	3,033	3,289	5,669	3,491	5,856	4,507	3,451	3,118	4,803	9,787	7,187	3,455
Difference	-299	-16	351	-249	453	365	0	-19	458	-59	-326	220
Percent Difference	-9.0%	-0.5%	6.6%	-6.7%	8.4%	8.8%	0.0%	-0.6%	10.5%	-0.6%	-4.3%	6.8%
Dry (22%)												
No Action Alternative	2,533	2,504	5,639	2,611	3,179	3,379	2,652	2,642	4,174	8,766	6,649	2,492
Alternative A	2,220	2,514	5,188	2,552	3,130	3,233	2,594	2,370	3,920	8,770	7,276	2,779
Difference	-313	10	-451	-59	-49	-145	-58	-273	-254	4	627	287
Percent Difference	-12.4%	0.4%	-8.0%	-2.3%	-1.5%	-4.3%	-2.2%	-10.3%	-6.1%	0.0%	9.4%	11.5%
Critical (15%)												
No Action Alternative	1,779	1,747	2,504	2,197	2,437	2,414	1,990	2,149	3,166	6,382	2,885	1,941
Alternative A	1,735	1,693	2,524	2,389	2,369	2,518	1,790	2,014	3,114	6,516	3,154	2,099
Difference	-45	-54	20	192	-68	104	-200	-135	-52	134	269	158
Percent Difference	-2.5%	-3.1%	0.8%	8.7%	-2.8%	4.3%	-10.0%	-6.3%	-1.6%	2.1%	9.3%	8.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-46-3b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

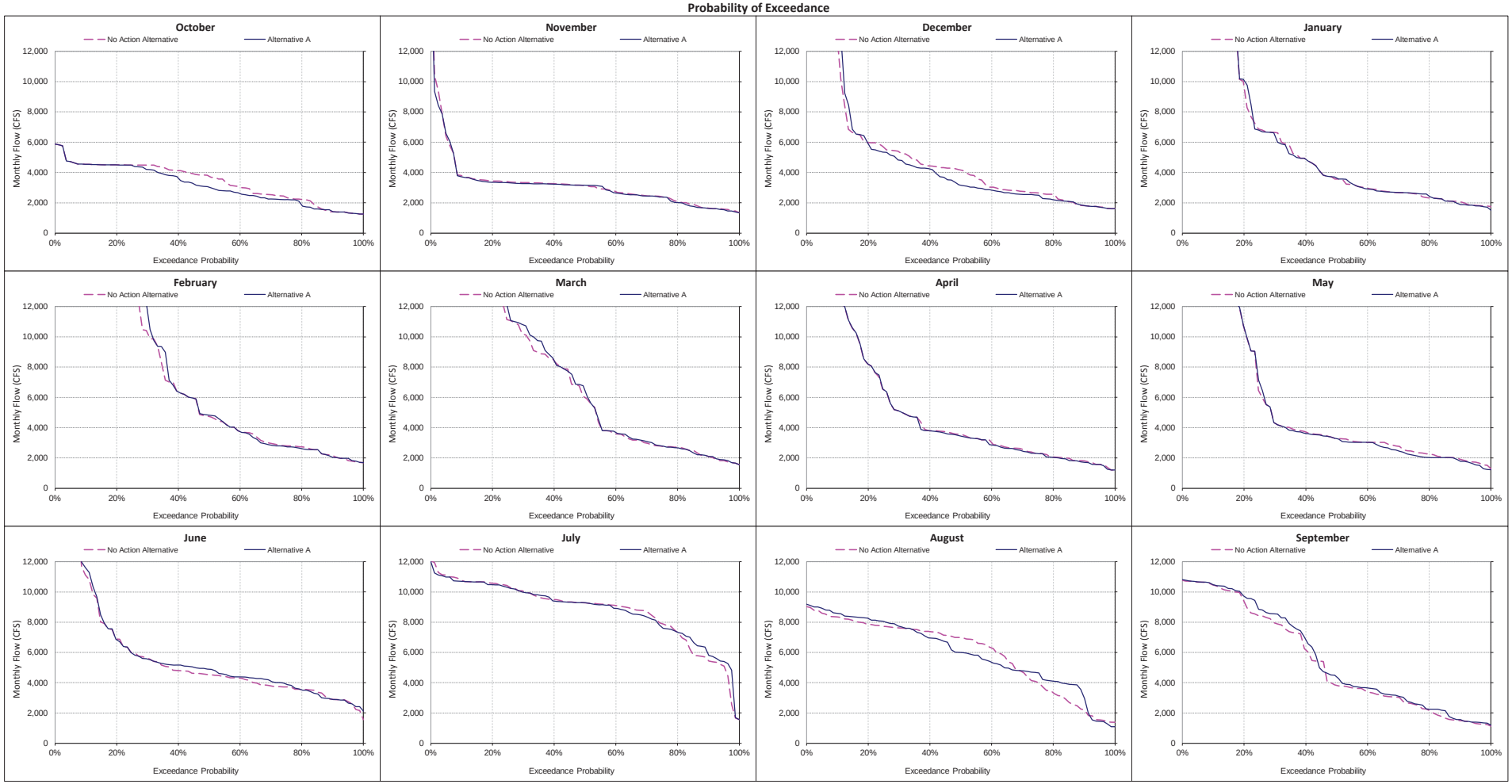

Table SW-46-3b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,876	-7	-0.1%
1.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,757	0	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,640	0	0.0%
7.4%	4,558	4,558	0	0.0%
8.6%	4,556	4,556	0	0.0%
9.9%	4,548	4,547	-1	0.0%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,522	-4	-0.1%
13.6%	4,523	4,519	-4	-0.1%
14.8%	4,519	4,514	-5	-0.1%
16.0%	4,514	4,506	-8	-0.2%
17.3%	4,510	4,505	-5	-0.1%
18.5%	4,507	4,501	-6	-0.1%
19.8%	4,505	4,499	-6	-0.1%
21.0%	4,501	4,492	-10	-0.2%
22.2%	4,499	4,490	-9	-0.2%
23.5%	4,496	4,489	-7	-0.1%
24.7%	4,493	4,489	-4	-0.1%
25.9%	4,492	4,397	-95	-2.1%
27.2%	4,492	4,367	-125	-2.8%
28.4%	4,491	4,350	-141	-3.1%
29.6%	4,489	4,204	-286	-6.4%
30.9%	4,489	4,197	-293	-6.5%
32.1%	4,484	4,162	-322	-7.2%
33.3%	4,392	4,001	-391	-8.9%
34.6%	4,376	3,935	-441	-10.1%
35.8%	4,282	3,861	-421	-9.8%
37.0%	4,178	3,806	-372	-8.9%
38.3%	4,155	3,781	-375	-9.0%
39.5%	4,128	3,742	-386	-9.4%
40.7%	4,122	3,465	-657	-15.9%
42.0%	4,057	3,373	-684	-16.9%
43.2%	3,992	3,369	-623	-15.6%
44.4%	3,942	3,308	-634	-16.1%
45.7%	3,874	3,167	-707	-18.2%
46.9%	3,842	3,121	-721	-18.8%
48.1%	3,839	3,087	-752	-19.6%
49.4%	3,817	3,063	-755	-19.8%
50.6%	3,678	2,988	-690	-18.8%
51.9%	3,675	2,891	-784	-21.3%
53.1%	3,574	2,813	-761	-21.3%
54.3%	3,572	2,801	-771	-21.6%
55.6%	3,318	2,784	-534	-16.1%
56.8%	3,157	2,776	-381	-12.1%
58.0%	3,124	2,700	-424	-13.6%
59.3%	3,083	2,665	-418	-13.6%
60.5%	3,006	2,568	-438	-14.6%
61.7%	2,977	2,527	-450	-15.1%
63.0%	2,935	2,478	-457	-15.6%
64.2%	2,621	2,476	-145	-5.5%
65.4%	2,606	2,433	-173	-6.7%
66.7%	2,579	2,336	-243	-9.4%
67.9%	2,566	2,323	-243	-9.5%
69.1%	2,549	2,250	-299	-11.7%
70.4%	2,529	2,244	-285	-11.3%
71.6%	2,476	2,244	-232	-9.4%
72.8%	2,463	2,209	-254	-10.3%
74.1%	2,447	2,209	-239	-9.7%
75.3%	2,324	2,206	-118	-5.1%
76.5%	2,276	2,197	-79	-3.5%
77.8%	2,241	2,191	-51	-2.3%
79.0%	2,236	2,105	-131	-5.9%
80.2%	2,206	1,775	-432	-19.6%
81.5%	2,193	1,729	-464	-21.1%
82.7%	2,121	1,717	-404	-19.1%
84.0%	1,892	1,594	-298	-15.7%
85.2%	1,717	1,592	-125	-7.3%
86.4%	1,595	1,562	-33	-2.0%
87.7%	1,501	1,543	42	2.8%
88.9%	1,411	1,539	128	9.1%
90.1%	1,410	1,410	0	0.0%
91.4%	1,392	1,394	2	0.1%
92.6%	1,390	1,394	3	0.2%
93.8%	1,390	1,391	1	0.1%
95.1%	1,333	1,332	-2	-0.1%
96.3%	1,304	1,303	-1	-0.1%
97.5%	1,299	1,296	-3	-0.2%
98.8%	1,261	1,262	0	0.0%
100.0%	1,254	1,252	-2	-0.1%

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,364	-1,036	-10.0%
2.5%	9,369	8,426	-942	-10.1%
3.7%	7,878	7,878	0	0.0%
4.9%	6,402	6,585	183	2.9%
6.2%	5,780	6,070	290	5.0%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,794	-39	-1.0%
9.9%	3,798	3,725	-73	-1.9%
11.1%	3,669	3,669	0	0.0%
12.3%	3,661	3,661	0	0.0%
13.6%	3,588	3,553	-35	-1.0%
14.8%	3,553	3,508	-45	-1.3%
16.0%	3,516	3,436	-79	-2.3%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,368	-97	-2.8%
19.8%	3,435	3,349	-85	-2.5%
21.0%	3,434	3,347	-87	-2.5%
22.2%	3,430	3,336	-94	-2.7%
23.5%	3,398	3,336	-63	-1.8%
24.7%	3,393	3,332	-61	-1.8%
25.9%	3,368	3,317	-52	-1.5%
27.2%	3,349	3,285	-64	-1.9%
28.4%	3,347	3,280	-67	-2.0%
29.6%	3,339	3,267	-72	-2.2%
30.9%	3,336	3,266	-70	-2.1%
32.1%	3,332	3,265	-67	-2.0%
33.3%	3,317	3,257	-59	-1.8%
34.6%	3,308	3,254	-54	-1.6%
35.8%	3,294	3,254	-41	-1.2%
37.0%	3,280	3,253	-27	-0.8%
38.3%	3,267	3,250	-17	-0.5%
39.5%	3,266	3,229	-37	-1.1%
40.7%	3,257	3,223	-35	-1.1%
42.0%	3,253	3,213	-40	-1.2%
43.2%	3,229	3,183	-46	-1.4%
44.4%	3,223	3,176	-46	-1.4%
45.7%	3,183	3,174	-10	-0.3%
46.9%	3,167	3,165	-2	-0.1%
48.1%	3,159	3,163	4	0.1%
49.4%	3,157	3,159	2	0.1%
50.6%	3,111	3,157	46	1.5%
51.9%	3,068	3,156	88	2.9%
53.1%	3,058	3,143	85	2.8%
54.3%	2,907	3,111	204	7.0%
55.6%	2,906	3,078	172	5.9%
56.8%	2,892	2,850	-41	-1.4%
58.0%	2,824	2,791	-33	-1.2%
59.3%	2,791	2,670	-121	-4.3%
60.5%	2,687	2,628	-59	-2.2%
61.7%	2,661	2,599	-61	-2.3%
63.0%	2,628	2,560	-68	-2.6%
64.2%	2,599	2,538	-61	-2.4%
65.4%	2,560	2,530	-30	-1.2%
66.7%	2,530	2,522	-8	-0.3%
67.9%	2,515	2,486	-29	-1.2%
69.1%	2,486	2,451	-35	-1.4%
70.4%	2,451	2,448	-3	-0.1%
71.6%	2,448	2,444	-4	-0.2%
72.8%	2,444	2,430	-14	-0.6%
74.1%	2,430	2,375	-55	-2.3%
75.3%	2,375	2,371	-4	-0.2%
76.5%	2,371	2,367	-5	-0.2%
77.8%	2,267	2,113	-154	-6.8%
79.0%	2,129	2,031	-98	-4.6%
80.2%	2,091	2,006	-86	-4.1%
81.5%	2,006	2,002	-4	-0.2%
82.7%	2,002	1,884	-118	-5.9%
84.0%	1,914	1,788	-126	-6.6%
85.2%	1,884	1,753	-131	-7.0%
86.4%	1,788	1,696	-92	-5.1%
87.7%	1,699	1,674	-25	-1.5%
88.9%	1,674	1,656	-18	-1.1%
90.1%	1,635	1,621	-14	-0.8%
91.4%	1,611	1,611	0	0.0%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,563	-39	-2.4%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,463	-86	-5.6%
97.5%	1,463	1,455	-8	-0.6%
98.8%	1,455	1,389	-65	-4.5%
100.0%	1,340	1,340	0	0.0%

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,320	678	2.8%
2.5%	24,159	23,403	-756	-3.1%
3.7%	23,945	21,787	-2,158	-9.0%
4.9%	18,630	17,436	-1,194	-6.4%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,916	-645	-4.1%
8.6%	14,052	13,396	-657	-4.7%
9.9%	13,127	13,127	0	0.0%
11.1%	10,175	12,896	2,721	26.7%
12.3%	8,453	9,227	774	9.2%
13.6%	6,843	8,451	1,608	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,531	-4	-0.1%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	6,433	361	5.9%
19.8%	5,977	5,960	-18	-0.3%
21.0%	5,971	5,527	-444	-7.4%
22.2%	5,960	5,498	-461	-7.7%
23.5%	5,893	5,411	-481	-8.2%
24.7%	5,728	5,350	-379	-6.6%
25.9%	5,498	5,326	-173	-3.1%
27.2%	5,470	5,148	-321	-5.9%
28.4%	5,449	5,076	-373	-6.8%
29.6%	5,410	4,826	-584	-10.8%
30.9%	5,245	4,791	-454	-8.7%
32.1%	5,223	4,564	-659	-12.6%
33.3%	5,076	4,506	-570	-11.2%
34.6%	4,845	4,429	-416	-8.6%
35.8%	4,829	4,315	-514	-10.6%
37.0%	4,564	4,292	-271	-5.9%
38.3%	4,507	4,283	-224	-5.0%
39.5%	4,432	4,251	-181	-4.1%
40.7%	4,427	4,190	-237	-5.4%
42.0%	4,390	3,944	-446	-10.2%
43.2%	4,319	3,716	-604	-14.0%
44.4%	4,315	3,689	-626	-14.5%
45.7%	4,292	3,519	-774	-18.0%
46.9%	4,283	3,500	-783	-18.3%
48.1%	4,259	3,351	-909	-21.3%
49.4%	4,190	3,190	-1,000	-23.9%
50.6%	4,146	3,139	-1,006	-24.3%
51.9%	3,976	3,095	-880	-22.1%
53.1%	3,840	3,031	-809	-21.1%
54.3%	3,802	3,029	-772	-20.3%
55.6%	3,567	2,970	-597	-16.7%
56.8%	3,500	2,943	-557	-15.9%
58.0%	3,190	2,860	-330	-10.3%
59.3%	3,035	2,860	-175	-5.8%
60.5%	3,029	2,821	-208	-6.9%
61.7%	2,970	2,764	-205	-6.9%
63.0%	2,860	2,724	-136	-4.8%
64.2%	2,860	2,661	-199	-7.0%
65.4%	2,822	2,656	-166	-5.9%
66.7%	2,821	2,608	-213	-7.5%
67.9%	2,820	2,579	-241	-8.5%
69.1%	2,764	2,570	-194	-7.0%
70.4%	2,740	2,554	-186	-6.8%
71.6%	2,724	2,552	-172	-6.3%
72.8%	2,661	2,544	-117	-4.4%
74.1%	2,656	2,506	-150	-5.6%
75.3%	2,648	2,503	-146	-5.5%
76.5%	2,592	2,277	-314	-12.1%
77.8%	2,569	2,260	-309	-12.0%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,188	-367	-14.4%
81.5%	2,241	2,141	-99	-4.4%
82.7%	2,189	2,128	-61	-2.8%
84.0%	2,137	2,096	-41	-1.9%
85.2%	2,065	2,095	30	1.4%
86.4%	2,041	2,065	25	1.2%
87.7%	1,859	1,925	66	3.5%
88.9%	1,822	1,859	37	2.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,784	0	0.0%
92.6%	1,763	1,760	-3	-0.2%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,708	-13	-0.7%
96.3%	1,708	1,668	-40	-2.3%
97.5%	1,633	1,633	0	0.0%
98.8%	1,613	1,613	0	0.0%
100.0%	1,611	1,611	0	0.0%

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,666	-3	0.0%
1.2%	51,110	51,108	-2	0.0%
2.5%	30,266	29,961	-306	-1.0%
3.7%	29,961	29,224	-737	-2.5%
4.9%	29,228	28,763	-465	-1.6%
6.2%	25,712	25,710	-2	0.0%
7.4%	23,958	23,620	-338	-1.4%
8.6%	20,978	23,576	2,598	12.4%
9.9%	20,603	21,283	680	3.3%
11.1%	19,127	19,124	-3	0.0%
12.3%	18,537	18,538	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,692	-3	0.0%
16.0%	16,933	16,930	-3	0.0%
17.3%	13,957	13,957	0	0.0%
18.5%	10,144	10,193	49	0.5%
19.8%	10,035	10,144	109	1.1%
21.0%	8,291	9,768	1,477	17.8%
22.2%	7,700	8,498	799	10.4%
23.5%	7,263	6,865	-398	-5.5%
24.7%	6,865	6,808	-58	-0.8%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,251	-579	-9.9%
35.8%	5,253	5,160	-93	-1.8%
37.0%	5,160	4,987	-173	-3.4%
38.3%	4,939	4,939	0	0.0%
39.5%	4,937	4,937	0	0.0%
40.7%	4,755	4,755	0	0.0%
42.0%	4,617	4,617	0	0.0%
43.2%	4,464	4,464	0	0.0%
44.4%	4,107	4,107	0	0.0%
45.7%	3,818	3,818	0	0.0%
46.9%	3,753	3,753	0	0.0%
48.1%	3,727	3,727	0	0.0%
49.4%	3,564	3,697	132	3.7%
50.6%	3,562	3,564	2	0.1%
51.9%	3,549	3,562	13	0.4%
53.1%	3,235	3,549	314	9.7%
54.3%	3,209	3,334	124	3.9%
55.6%	3,199	3,199	0	0.0%
56.8%	3,080	3,080	0	0.0%
58.0%	3,024	3,014	-9	-0.3%
59.3%	3,014	2,929	-85	-2.8%
60.5%	2,929	2,897	-33	-1.1%
61.7%	2,897	2,888	-9	-0.3%
63.0%	2,888	2,776	-112	-3.9%
64.2%	2,776	2,765	-11	-0.4%
65.4%	2,765	2,735	-30	-1.1%
66.7%	2,722	2,722	0	0.0%
67.9%	2,700	2,702	2	0.1%
69.1%	2,676	2,700	24	0.9%
70.4%	2,668	2,676	8	0.3%
71.6%	2,665	2,668	3	0.1%
72.8%	2,640	2,665	26	1.0%
74.1%	2,624	2,640	16	0.6%
75.3%	2,597	2,624	27	1.0%
76.5%	2,584	2,597	13	0.5%
77.8%	2,397	2,585	188	7.8%
79.0%	2,338	2,584	245	10.5%
80.2%	2,312	2,397	86	3.7%
81.5%	2,309	2,295	-14	-0.6%
82.7%	2,278	2,278	0	0.0%
84.0%	2,255	2,255	0	0.0%
85.2%	2,167	2,118	-49	-2.3%
86.4%	2,118	2,105	-13	-0.6%
87.7%	2,105	2,091	-15	-0.7%
88.9%	2,091	1,980	-110	-5.3%
90.1%	2,053	1,885	-168	-8.2%
91.4%	1,986	1,871	-115	-5.8%
92.6%	1,871	1,845	-26	-1.4%
93.8%	1,845	1,845	0	0.0%
95.1%	1,817	1,788	-29	-1.6%
96.3%	1,808	1,787	-21	-1.2%
97.5%	1,788	1,742	-46	-2.6%
98.8%	1,785	1,710	-75	-4.2%
100.0%	1,742	1,515	-228	-13.1%

Table SW-46-3b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,215	57	0.1%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,769	-1	0.0%
3.7%	28,349	28,348	0	0.0%
4.9%	27,561	27,560	0	0.0%
6.2%	26,981	24,963	-2,018	-7.5%
7.4%	24,966	23,547	-1,419	-5.7%
8.6%	22,575	22,576	1	0.0%
9.9%	22,284	21,314	-970	-4.4%
11.1%	21,422	21,181	-241	-1.1%
12.3%	19,559	19,557	-1	0.0%
13.6%	19,495	19,494	-1	0.0%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	16,391	25	0.1%
17.3%	16,361	16,366	5	0.0%
18.5%	16,236	16,237	0	0.0%
19.8%	16,202	16,200	-2	0.0%
21.0%	15,487	15,487	0	0.0%
22.2%	15,450	15,448	-2	0.0%
23.5%	14,987	14,984	-3	0.0%
24.7%	14,260	13,891	-370	-2.6%
25.9%	13,228	13,732	504	3.8%
27.2%	12,237	13,497	1,260	10.3%
28.4%	10,473	13,228	2,755	26.3%
29.6%	10,415	12,236	1,821	17.5%
30.9%	9,879	10,472	593	6.0%
32.1%	9,844	9,752	-92	-0.9%
33.3%	9,371	9,367	-4	0.0%
34.6%	8,263	9,347	1,084	13.1%
35.8%	7,143	8,987	1,844	25.8%
37.0%	7,024	7,140	116	1.7%
38.3%	7,020	6,814	-206	-2.9%
39.5%	6,420	6,420	0	0.0%
40.7%	6,285	6,279	-6	-0.1%
42.0%	6,203	6,203	0	0.0%
43.2%	6,022	6,021	-1	0.0%
44.4%	5,972	5,970	-2	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	4,929	60	1.2%
48.1%	4,808	4,869	61	1.3%
49.4%	4,772	4,838	67	1.4%
50.6%	4,700	4,801	101	2.2%
51.9%	4,593	4,772	179	3.9%
53.1%	4,413	4,595	183	4.1%
54.3%	4,405	4,409	4	0.1%
55.6%	4,197	4,197	0	0.0%
56.8%	4,038	4,038	0	0.0%
58.0%	4,031	4,031	0	0.0%
59.3%	3,795	3,795	0	0.0%
60.5%	3,702	3,685	-17	-0.5%
61.7%	3,685	3,675	-10	-0.3%
63.0%	3,675	3,576	-99	-2.7%
64.2%	3,576	3,358	-218	-6.1%
65.4%	3,358	3,228	-130	-3.9%
66.7%	3,172	2,999	-172	-5.4%
67.9%	3,060	2,941	-119	-3.9%
69.1%	2,999	2,888	-111	-3.7%
70.4%	2,941	2,825	-116	-3.9%
71.6%	2,888	2,793	-96	-3.3%
72.8%	2,825	2,791	-34	-1.2%
74.1%	2,813	2,782	-31	-1.1%
75.3%	2,793	2,738	-54	-1.9%
76.5%	2,791	2,734	-56	-2.0%
77.8%	2,782	2,699	-84	-3.0%
79.0%	2,738	2,664	-75	-2.7%
80.2%	2,734	2,600	-135	-4.9%
81.5%	2,699	2,565	-134	-4.9%
82.7%	2,600	2,554	-46	-1.8%
84.0%	2,550	2,550	0	0.0%
85.2%	2,548	2,548	0	0.0%
86.4%	2,273	2,273	0	0.0%
87.7%	2,222	2,222	0	0.0%
88.9%	2,207	2,138	-69	-3.1%
90.1%	2,138	2,032	-105	-4.9%
91.4%	2,032	2,020	-12	-0.6%
92.6%	1,982	1,982	0	0.0%
93.8%	1,968	1,977	9	0.5%
95.1%	1,832	1,972	140	7.7%
96.3%	1,785	1,832	46	2.6%
97.5%	1,739	1,785	46	2.7%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,952	-1	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,117	-1	0.0%
3.7%	33,152	35,111	1,959	5.9%
4.9%	27,878	27,380	-498	-1.8%
6.2%	27,382	27,213	-169	-0.6%
7.4%	24,884	24,883	-1	0.0%
8.6%	20,294	20,294	0	0.0%
9.9%	20,193	20,191	-2	0.0%
11.1%	18,307	18,305	-2	0.0%
12.3%	17,849	17,845	-4	0.0%
13.6%	17,403	17,286	-117	-0.7%
14.8%	17,110	17,109	-1	0.0%
16.0%	16,929	16,929	0	0.0%
17.3%	16,374	16,374	1	0.0%
18.5%	15,503	15,483	-20	-0.1%
19.8%	14,997	14,993	-4	0.0%
21.0%	12,938	13,455	517	4.0%
22.2%	12,823	12,939	117	0.9%
23.5%	12,150	12,832	682	5.6%
24.7%	11,145	12,147	1,002	9.0%
25.9%	11,077	11,077	0	0.0%
27.2%	10,941	10,999	58	0.5%
28.4%	10,805	10,941	136	1.3%
29.6%	10,202	10,822	620	6.1%
30.9%	10,111	10,715	604	6.0%
32.1%	9,754	10,111	356	3.7%
33.3%	9,089	9,978	889	9.8%
34.6%	9,001	9,753	752	8.4%
35.8%	8,873	9,715	842	9.5%
37.0%	8,861	9,097	236	2.7%
38.3%	8,617	8,838	221	2.6%
39.5%	8,560	8,614	55	0.6%
40.7%	8,248	8,101	-147	-1.8%
42.0%	8,040	8,019	-21	-0.3%
43.2%	7,886	7,870	-15	-0.2%
44.4%	7,880	7,726	-154	-1.9%
45.7%	6,870	7,530	659	9.6%
46.9%	6,851	6,865	14	0.2%
48.1%	6,763	6,852	89	1.3%
49.4%	6,076	6,763	687	11.3%
50.6%	5,904	6,096	192	3.2%
51.9%	5,583	5,620	37	0.7%
53.1%	5,349	5,306	-43	-0.8%
54.3%	4,347	4,558	212	4.9%
55.6%	3,803	3,803	0	0.0%
56.8%	3,796	3,796	0	0.0%
58.0%	3,778	3,781	3	0.1%
59.3%	3,608	3,778	169	4.7%
60.5%	3,586	3,622	36	1.0%
61.7%	3,574	3,586	12	0.3%
63.0%	3,401	3,574	173	5.1%
64.2%	3,259	3,383	124	3.8%
65.4%	3,183	3,252	69	2.2%
66.7%	3,179	3,240	61	1.9%
67.9%	3,158	3,183	25	0.8%
69.1%	3,021	3,134	113	3.8%
70.4%	2,968	3,058	91	3.1%
71.6%	2,863	3,021	157	5.5%
72.8%	2,809	2,863	54	1.9%
74.1%	2,790	2,809	20	0.7%
75.3%	2,755	2,790	35	1.3%
76.5%	2,748	2,720	-28	-1.0%
77.8%	2,746	2,718	-28	-1.0%
79.0%	2,720	2,680	-40	-1.5%
80.2%	2,718	2,668	-50	-1.8%
81.5%	2,668	2,590	-78	-2.9%
82.7%	2,583	2,583	0	0.0%
84.0%	2,496	2,487	-8	-0.3%
85.2%	2,487	2,331	-157	-6.3%
86.4%	2,331	2,211	-120	-5.2%
87.7%	2,179	2,206	27	1.2%
88.9%	2,168	2,179	11	0.5%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,098	74	3.6%
92.6%	1,886	1,942	56	2.9%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,873	45	2.5%
96.3%	1,747	1,830	83	4.8%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,657	0	0.0%
100.0%	1,558	1,558	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,254	0	0.0%
3.7%	18,447	18,446	-1	0.0%
4.9%	18,372	18,372	-1	0.0%
6.2%	15,100	15,097	-4	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	-1	0.0%
9.9%	13,327	13,323	-3	0.0%
11.1%	12,224	12,223	-1	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,094	21	0.2%
14.8%	10,588	10,593	5	0.1%
16.0%	10,251	10,251	0	0.0%
17.3%	9,552	9,552	0	0.0%
18.5%	8,543	8,542	0	0.0%
19.8%	8,226	8,225	-1	0.0%
21.0%	8,065	8,064	-1	0.0%
22.2%	7,643	7,641	-1	0.0%
23.5%	7,360	7,473	114	1.5%
24.7%	6,549	6,550	1	0.0%
25.9%	6,363	6,363	1	0.0%
27.2%	5,591	5,592	1	0.0%
28.4%	5,199	5,199	0	0.0%
29.6%	5,119	5,119	0	0.0%
30.9%	5,012	5,012	0	0.0%
32.1%	4,894	4,894	0	0.0%
33.3%	4,767	4,766	-1	0.0%
34.6%	4,703	4,703	0	0.0%
35.8%	4,684	4,684	0	0.0%
37.0%	4,367	3,894	-473	-10.8%
38.3%	3,894	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-0.1%
40.7%	3,796	3,762	-35	-0.9%
42.0%	3,793	3,751	-42	-1.1%
43.2%	3,762	3,721	-40	-1.1%
44.4%	3,751	3,651	-100	-2.7%
45.7%	3,721	3,590	-131	-3.5%
46.9%	3,651	3,561	-89	-2.4%
48.1%	3,590	3,532	-58	-1.6%
49.4%	3,561	3,485	-76	-2.1%
50.6%	3,531	3,426	-105	-3.0%
51.9%	3,426	3,357	-69	-2.0%
53.1%	3,316	3,315	-1	0.0%
54.3%	3,302	3,302	0	0.0%
55.6%	3,273	3,273	0	0.0%
56.8%	3,205	3,205	0	0.0%
58.0%	3,204	3,204	0	0.0%
59.3%	3,179	2,885	-294	-9.2%
60.5%	2,888	2,856	-32	-1.1%
61.7%	2,856	2,813	-42	-1.5%
63.0%	2,813	2,722	-91	-3.2%
64.2%	2,726	2,646	-80	-2.9%
65.4%	2,672	2,637	-35	-1.3%
66.7%	2,646	2,625	-21	-0.8%
67.9%	2,637	2,542	-95	-3.6%
69.1%	2,631	2,519	-111	-4.2%
70.4%	2,544	2,423	-121	-4.7%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,312	-80	-3.4%
74.1%	2,312	2,306	-6	-0.3%
75.3%	2,306	2,276	-30	-1.3%
76.5%	2,274	2,274	0	0.0%
77.8%	2,224	2,067	-157	-7.1%
79.0%	2,067	2,062	-5	-0.2%
80.2%	2,062	2,032	-30	-1.4%
81.5%	2,047	2,019	-28	-1.4%
82.7%	2,019	1,968	-51	-2.5%
84.0%	2,015	1,948	-67	-3.3%
85.2%	1,969	1,822	-146	-7.4%
86.4%	1,822	1,822	0	0.0%
87.7%	1,822	1,804	-18	-1.0%
88.9%	1,819	1,735	-84	-4.6%
90.1%	1,804	1,713	-91	-5.0%
91.4%	1,735	1,689	-46	-2.6%
92.6%	1,693	1,580	-113	-6.7%
93.8%	1,580	1,575	-5	-0.3%
95.1%	1,575	1,571	-4	-0.3%
96.3%	1,571	1,484	-87	-5.5%
97.5%	1,371	1,254	-117	-8.6%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,205	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,480	-3	0.0%
1.2%	28,210	28,208	-2	0.0%
2.5%	26,842	26,842	0	0.0%
3.7%	25,620	25,620	1	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,777	-1	0.0%
8.6%	18,616	18,612	-4	0.0%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,609	-2	0.0%
13.6%	13,834	13,830	-4	0.0%
14.8%	13,531	13,620	89	0.7%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,279	0	0.0%
18.5%	11,938	11,940	2	0.0%
19.8%	10,776	10,771	-5	-0.1%
21.0%	9,895	9,894	-1	0.0%
22.2%	9,071	9,070	-1	0.0%
23.5%	9,042	9,050	8	0.1%
24.7%	6,460	7,138	678	10.5%
25.9%	5,978	6,457	479	8.0%
27.2%	5,521	5,522	1	0.0%
28.4%	5,382	5,380	-2	0.0%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,101	-7	-0.2%
33.3%	4,028	4,017	-10	-0.3%
34.6%	4,017	3,842	-176	-4.4%
35.8%	3,910	3,802	-108	-2.8%
37.0%	3,842	3,741	-101	-2.6%
38.3%	3,805	3,718	-87	-2.3%
39.5%	3,744	3,644	-100	-2.7%
40.7%	3,644	3,604	-40	-1.1%
42.0%	3,604	3,560	-44	-1.2%
43.2%	3,560	3,536	-24	-0.7%
44.4%	3,542	3,518	-25	-0.7%
45.7%	3,518	3,453	-65	-1.8%
46.9%	3,453	3,440	-13	-0.4%
48.1%	3,382	3,382	0	0.0%
49.4%	3,301	3,301	0	0.0%
50.6%	3,289	3,243	-46	-1.4%
51.9%	3,258	3,090	-167	-5.1%
53.1%	3,243	3,069	-173	-5.3%
54.3%	3,148	3,041	-107	-3.4%
55.6%	3,090	3,036	-54	-1.7%
56.8%	3,069	3,036	-34	-1.1%
58.0%	3,041	3,033	-8	-0.3%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,033	-3	-0.1%
61.7%	3,033	3,024	-9	-0.3%
63.0%	3,033	2,890	-143	-4.7%
64.2%	3,033	2,771	-262	-8.7%
65.4%	3,024	2,690	-334	-11.1%
66.7%	2,914	2,667	-247	-8.5%
67.9%	2,867	2,550	-317	-11.1%
69.1%	2,791	2,538	-253	-9.1%
70.4%	2,771	2,450	-321	-11.6%
71.6%	2,553	2,387	-165	-6.5%
72.8%	2,471	2,254	-217	-8.8%
74.1%	2,457	2,210	-247	-10.0%
75.3%	2,388	2,169	-219	-9.2%
76.5%	2,340	2,107	-233	-10.0%
77.8%	2,331	2,069	-262	-11.2%
79.0%	2,272	2,031	-241	-10.6%
80.2%	2,257	2,030	-227	-10.0%
81.5%	2,210	2,030	-181	-8.2%
82.7%	2,116	2,026	-90	-4.3%
84.0%	2,072	2,021	-51	-2.5%
85.2%	2,030	2,020	-10	-0.5%
86.4%	2,026	2,012	-14	-0.7%
87.7%	2,021	2,010	-11	-0.5%
88.9%	2,012	1,916	-96	-4.8%
90.1%	1,916	1,780	-136	-7.1%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,726	-52	-2.9%
93.8%	1,732	1,649	-83	-4.8%
95.1%	1,722	1,537	-184	-10.7%
96.3%	1,651	1,515	-136	-8.2%
97.5%	1,537	1,290	-247	-16.1%
98.8%	1,515	1,240	-275	-18.2%
100.0%	1,294	1,219	-74	-5.7%

Table SW-46-3b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,561	18,557	-4	0.0%
2.5%	18,222	18,220	-2	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,037	-3	0.0%
6.2%	14,993	15,046	53	0.4%
7.4%	14,846	14,846	0	0.0%
8.6%	11,675	11,971	296	2.5%
9.9%	11,118	11,613	495	4.5%
11.1%	10,824	11,283	460	4.2%
12.3%	9,851	10,344	493	5.0%
13.6%	9,592	9,675	83	0.9%
14.8%	8,013	8,480	467	5.8%
16.0%	7,914	7,918	3	0.0%
17.3%	7,548	7,563	15	0.2%
18.5%	7,537	7,559	22	0.3%
19.8%	6,889	6,882	-8	-0.1%
21.0%	6,882	6,704	-177	-2.6%
22.2%	6,350	6,391	41	0.6%
23.5%	6,347	6,358	11	0.2%
24.7%	6,003	5,990	-13	-0.2%
25.9%	5,976	5,825	-152	-2.5%
27.2%	5,746	5,762	16	0.3%
28.4%	5,710	5,607	-103	-1.8%
29.6%	5,647	5,579	-68	-1.2%
30.9%	5,552	5,517	-35	-0.6%
32.1%	5,406	5,424	18	0.3%
33.3%	5,398	5,340	-58	-1.1%
34.6%	5,172	5,281	109	2.1%
35.8%	5,087	5,233	145	2.9%
37.0%	5,054	5,187	134	2.6%
38.3%	4,821	5,172	352	7.3%
39.5%	4,804	5,169	365	7.6%
40.7%	4,799	5,168	369	7.7%
42.0%	4,774	5,100	326	6.8%
43.2%	4,758	5,091	333	7.0%
44.4%	4,623	5,052	429	9.3%
45.7%	4,617	4,977	360	7.8%
46.9%	4,606	4,954	348	7.5%
48.1%	4,586	4,944	359	7.8%
49.4%	4,549	4,898	348	7.7%
50.6%	4,531	4,877	346	7.6%
51.9%	4,502	4,806	304	6.8%
53.1%	4,477	4,620	142	3.2%
54.3%	4,419	4,577	158	3.6%
55.6%	4,392	4,533	141	3.2%
56.8%	4,326	4,411	84	2.0%
58.0%	4,324	4,398	73	1.7%
59.3%	4,309	4,393	84	1.9%
60.5%	4,298	4,385	88	2.0%
61.7%	4,208	4,355	146	3.5%
63.0%	4,158	4,330	172	4.1%
64.2%	4,003	4,306	303	7.6%
65.4%	3,969	4,284	316	8.0%
66.7%	3,855	4,276	421	10.9%
67.9%	3,849	4,225	376	9.8%
69.1%	3,822	4,193	371	9.7%
70.4%	3,780	4,066	286	7.6%
71.6%	3,740	4,019	279	7.5%
72.8%	3,735	4,009	274	7.3%
74.1%	3,727	3,970	243	6.5%
75.3%	3,722	3,882	160	4.3%
76.5%	3,704	3,823	119	3.2%
77.8%	3,575	3,649	74	2.1%
79.0%	3,571	3,593	22	0.6%
80.2%	3,560	3,512	-49	-1.4%
81.5%	3,559	3,504	-55	-1.5%
82.7%	3,516	3,429	-86	-2.4%
84.0%	3,510	3,300	-210	-6.0%
85.2%	3,377	3,263	-114	-3.4%
86.4%	3,325	3,006	-319	-9.6%
87.7%	3,090	2,975	-115	-3.7%
88.9%	2,910	2,947	37	1.3%
90.1%	2,897	2,893	-4	-0.2%
91.4%	2,885	2,888	3	0.1%
92.6%	2,880	2,854	-26	-0.9%
93.8%	2,865	2,847	-18	-0.6%
95.1%	2,751	2,657	-95	-3.4%
96.3%	2,603	2,606	3	0.1%
97.5%	2,235	2,422	186	8.3%
98.8%	2,167	2,410	243	11.2%
100.0%	1,560	2,115	555	35.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,031	-34	-0.3%
1.2%	11,939	11,257	-683	-5.7%
2.5%	11,282	11,128	-154	-1.4%
3.7%	11,127	11,071	-56	-0.5%
4.9%	11,123	10,993	-130	-1.2%
6.2%	10,994	10,984	-10	-0.1%
7.4%	10,984	10,734	-251	-2.3%
8.6%	10,915	10,712	-202	-1.9%
9.9%	10,785	10,710	-74	-0.7%
11.1%	10,677	10,677	0	0.0%
12.3%	10,675	10,676	2	0.0%
13.6%	10,672	10,672	-1	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,670	-1	0.0%
17.3%	10,671	10,647	-24	-0.2%
18.5%	10,615	10,490	-125	-1.2%
19.8%	10,581	10,480	-101	-1.0%
21.0%	10,558	10,472	-86	-0.8%
22.2%	10,491	10,471	-21	-0.2%
23.5%	10,475	10,379	-95	-0.9%
24.7%	10,424	10,310	-114	-1.1%
25.9%	10,271	10,240	-31	-0.3%
27.2%	10,263	10,205	-58	-0.6%
28.4%	10,083	10,102	18	0.2%
29.6%	10,079	10,005	-74	-0.7%
30.9%	9,973	9,940	-33	-0.3%
32.1%	9,922	9,929	7	0.1%
33.3%	9,786	9,827	41	0.4%
34.6%	9,686	9,820	135	1.4%
35.8%	9,605	9,760	155	1.6%
37.0%	9,561	9,748	186	1.9%
38.3%	9,521	9,658	137	1.4%
39.5%	9,503	9,415	-88	-0.9%
40.7%	9,497	9,374	-123	-1.3%
42.0%	9,443	9,362	-81	-0.9%
43.2%	9,363	9,350	-13	-0.1%
44.4%	9,348	9,330	-18	-0.2%
45.7%	9,339	9,319	-20	-0.2%
46.9%	9,314	9,293	-21	-0.2%
48.1%	9,312	9,293	-19	-0.2%
49.4%	9,296	9,291	-5	-0.1%
50.6%	9,265	9,272	7	0.1%
51.9%	9,243	9,234	-9	-0.1%
53.1%	9,242	9,177	-65	-0.7%
54.3%	9,202	9,158	-43	-0.5%
55.6%	9,188	9,154	-34	-0.4%
56.8%	9,184	9,131	-53	-0.6%
58.0%	9,141	9,123	-18	-0.2%
59.3%	9,130	8,930	-200	-2.2%
60.5%	9,094	8,908	-186	-2.0%
61.7%	9,041	8,849	-192	-2.1%
63.0%	9,006	8,796	-210	-2.3%
64.2%	8,957	8,656	-301	-3.4%
65.4%	8,867	8,542	-325	-3.7%
66.7%	8,800	8,524	-275	-3.1%
67.9%	8,787	8,482	-305	-3.5%
69.1%	8,773	8,425	-348	-4.0%
70.4%	8,651	8,320	-330	-3.8%
71.6%	8,458	8,207	-251	-3.0%
72.8%	8,272	8,130	-142	-1.7%
74.1%	7,965	7,815	-149	-1.9%
75.3%	7,878	7,599	-280	-3.6%
76.5%	7,786	7,569	-217	-2.8%
77.8%	7,727	7,529	-198	-2.6%
79.0%	7,480	7,426	-53	-0.7%
80.2%	7,281	7,317	36	0.5%
81.5%	6,964	7,271	308	4.4%
82.7%	6,828	7,087	259	3.8%
84.0%	6,244	7,012	768	12.3%
85.2%	5,797	6,659	860	14.8%
86.4%	5,785	6,442	656	11.3%
87.7%	5,752	6,405	653	11.4%
88.9%	5,707	6,364	658	11.5%
90.1%	5,434	5,797	364	6.7%
91.4%	5,387	5,735	348	6.5%
92.6%	5,344	5,610	265	5.0%
93.8%	5,218	5,428	210	4.0%
95.1%	5,102	5,407	306	6.0%
96.3%	4,447	5,276	830	18.7%
97.5%	2,541	4,840	2,299	90.5%
98.8%	1,651	1,697	46	2.8%
100.0%	1,566	1,565	-1	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,191	159	1.8%
1.2%	8,979	9,108	129	1.4%
2.5%	8,792	9,014	221	2.5%
3.7%	8,780	9,010	230	2.6%
4.9%	8,596	8,930	333	3.9%
6.2%	8,541	8,812	271	3.2%
7.4%	8,378	8,798	420	5.0%
8.6%	8,370	8,626	256	3.1%
9.9%	8,353	8,588	235	2.8%
11.1%	8,320	8,553	233	2.8%
12.3%	8,223	8,404	181	2.2%
13.6%	8,201	8,391	190	2.3%
14.8%	8,139	8,378	239	2.9%
16.0%	8,032	8,342	310	3.9%
17.3%	7,997	8,305	308	3.9%
18.5%	7,959	8,296	337	4.2%
19.8%	7,852	8,277	425	5.4%
21.0%	7,841	8,132	291	3.7%
22.2%	7,792	8,131	339	4.4%
23.5%	7,777	8,080	303	3.9%
24.7%	7,731	8,064	333	4.3%
25.9%	7,718	7,981	264	3.4%
27.2%	7,672	7,911	239	3.1%
28.4%	7,642	7,893	251	3.3%
29.6%	7,632	7,742	110	1.4%
30.9%	7,607	7,679	72	0.9%
32.1%	7,594	7,607	13	0.2%
33.3%	7,549	7,603	53	0.7%
34.6%	7,524	7,495	-29	-0.4%
35.8%	7,518	7,337	-181	-2.4%
37.0%	7,433	7,265	-169	-2.3%
38.3%	7,400	7,092	-308	-4.2%
39.5%	7,396	6,966	-430	-5.8%
40.7%	7,359	6,948	-411	-5.6%
42.0%	7,356	6,932	-424	-5.8%
43.2%	7,271	6,844	-427	-5.9%
44.4%	7,137	6,752	-385	-5.4%
45.7%	7,120	6,685	-436	-6.1%
46.9%	7,081	6,175	-905	-12.8%
48.1%	6,993	6,016	-977	-14.0%
49.4%	6,984	6,005	-979	-14.0%
50.6%	6,983	5,985	-997	-14.3%
51.9%	6,895	5,961	-933	-13.5%
53.1%	6,881	5,884	-998	-14.5%
54.3%	6,844	5,827	-1,017	-14.9%
55.6%	6,604	5,817	-787	-11.9%
56.8%	6,586	5,575	-1,011	-15.4%
58.0%	6,525	5,497	-1,028	-15.8%
59.3%	6,357	5,414	-943	-14.8%
60.5%	6,252	5,298	-954	-15.3%
61.7%	5,941	5,249	-693	-11.7%
63.0%	5,924	5,169	-755	-12.8%
64.2%	5,741	4,985	-756	-13.2%
65.4%	5,376	4,969	-407	-7.6%
66.7%	5,273	4,849	-424	-8.0%
67.9%	4,836	4,822	-14	-0.3%
69.1%	4,788	4,799	11	0.2%
70.4%	4,658	4,790	132	2.8%
71.6%	4,376	4,749	373	8.5%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,687	591	14.4%
75.3%	3,985	4,640	656	16.5%
76.5%	3,716	4,215	499	13.4%
77.8%	3,493	4,161	668	19.1%
79.0%	3,490	4,121	631	18.1%
80.2%	3,278	4,091	813	24.8%
81.5%	3,158	4,071	913	28.9%
82.7%	3,123	3,984	861	27.6%
84.0%	2,918	3,951	1,034	35.4%
85.2%	2,675	3,897	1,222	45.7%
86.4%	2,572	3,878	1,306	50.8%
87.7%	2,488	3,852	1,364	54.8%
88.9%	2,266	3,564	1,298	57.3%
90.1%	2,188	2,958	770	35.2%
91.4%	1,827	1,981	153	8.4%
92.6%	1,814	1,552	-262	-14.4%
93.8%	1,553	1,455	-98	-6.3%
95.1%	1,548	1,446	-101	-6.5%
96.3%	1,512	1,428	-84	-5.5%
97.5%	1,402	1,274	-128	-9.1%
98.8%	1,390	1,101	-290	-20.8%
100.0%	1,386	1,089	-297	-21.4%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,816	49	0.5%
1.2%	10,720	10,766	45	0.4%
2.5%	10,720	10,717	-3	0.0%
3.7%	10,704	10,700	-4	0.0%
4.9%	10,653	10,670	17	0.2%
6.2%	10,646	10,652	7	0.1%
7.4%	10,639	10,643	4	0.0%
8.6%	10,582	10,619	37	0.4%
9.9%	10,461	10,481	20	0.2%
11.1%	10,405	10,425	20	0.2%
12.3%	10,248	10,406	158	1.5%
13.6%	10,149	10,378	229	2.3%
14.8%	10,091	10,235	144	1.4%
16.0%	10,067	10,216	149	1.5%
17.3%	9,995	10,076	81	0.8%
18.5%	9,971	10,046	75	0.8%
19.8%	9,494	9,747	253	2.7%
21.0%	8,961	9,581	620	6.9%
22.2%	8,611	9,569	958	11.1%
23.5%	8,555	9,439	884	10.3%
24.7%	8,441	8,859	418	5.0%
25.9%	8,421	8,809	388	4.6%
27.2%	8,325	8,644	319	3.8%
28.4%	8,229	8,570	340	4.1%
29.6%	7,965	8,556	590	7.4%
30.9%	7,887	8,542	656	8.3%
32.1%	7,812	8,294	482	6.2%
33.3%	7,541	8,282	741	9.8%
34.6%	7,386	7,914	528	7.1%
35.8%	7,313	7,711	398	5.4%
37.0%	7,297	7,550	253	3.5%
38.3%	7,227	7,431	204	2.8%
39.5%	6,253	7,026	773	12.4%
40.7%	6,022	6,584	562	9.3%
42.0%	5,460	6,356	896	16.4%
43.2%	5,433	5,864	431	7.9%
44.4%	5,425	4,991	-435	-8.0%
45.7%	5,398	4,736	-662	-12.3%
46.9%	4,054	4,627	573	14.1%
48.1%	3,986	4,516	531	13.3%
49.4%	3,857	4,489	633	16.4%
50.6%	3,796	4,284	488	12.9%
51.9%	3,793	3,959	166	4.4%
53.1%	3,747	3,895	147	3.9%
54.3%	3,688	3,869	181	4.9%
55.6%	3,636	3,736	100	2.7%
56.8%	3,617	3,722	105	2.9%
58.0%	3,617	3,674	57	1.6%
59.3%	3,465	3,670	204	5.9%
60.5%	3,372	3,635	263	7.8%
61.7%	3,324	3,616	292	8.8%
63.0%	3,238	3,583	345	10.6%
64.2%	3,202	3,342	140	4.4%
65.4%	3,123	3,259	135	4.3%
66.7%	3,084	3,228	144	4.7%
67.9%	3,071	3,188	116	3.8%
69.1%	3,066	3,179	113	3.7%
70.4%	3,015	3,086	71	2.4%
71.6%	2,748	3,045	297	10.8%
72.8%	2,664	2,764	100	3.7%
74.1%	2,639	2,700	60	2.3%
75.3%	2,570	2,595	25	1.0%
76.5%	2,501	2,562	61	2.4%
77.8%	2,286	2,527	241	10.5%
79.0%	2,259	2,274	15	0.7%
80.2%	2,145	2,255	110	5.1%
81.5%	1,978	2,244	267	13.5%
82.7%	1,864	2,243	379	20.3%
84.0%	1,771	2,179	407	23.0%
85.2%	1,657	2,149	492	29.7%
86.4%	1,568	1,769	202	12.9%
87.7%	1,534	1,653	119	7.7%
88.9%	1,523	1,567	44	2.9%
90.1%	1,486	1,560	73	4.9%
91.4%	1,472	1,447	-25	-1.7%
92.6%	1,430	1,446	16	1.1%
93.8%	1,396	1,394	-2	-0.1%
95.1%	1,311	1,392	81	6.2%
96.3%	1,266	1,376	110	8.7%
97.5%	1,257	1,341	84	6.7%
98.8%	1,242	1,323	82	6.6%
100.0%	1,130	1,191	60	5.3%

Table SW-47-3a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative A	1,416	2,642	3,282	4,329	4,972	3,616	3,080	3,241	3,194	2,932	2,367	2,474
Difference	62	-10	94	38	2	45	29	19	-42	-416	132	2
Percent Difference[3]	4.6%	-0.4%	2.9%	0.9%	0.0%	1.3%	0.9%	0.6%	-1.3%	-12.4%	5.9%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative A	1,626	3,787	3,606	8,626	8,992	5,914	4,996	5,711	5,482	3,287	3,135	3,813
Difference	156	-20	86	72	3	-1	0	0	19	-294	142	-262
Percent Difference	10.6%	-0.5%	2.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.4%	-8.2%	4.8%	-6.4%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative A	1,382	2,643	2,982	4,637	6,186	5,276	3,234	3,408	2,880	3,621	2,539	2,820
Difference	5	-8	150	162	51	57	-4	-3	-78	-500	184	-56
Percent Difference	0.4%	-0.3%	5.3%	3.6%	0.8%	1.1%	-0.1%	-0.1%	-2.6%	-12.1%	7.8%	-1.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative A	1,649	3,371	3,946	2,256	3,979	2,265	2,922	2,609	2,320	3,324	2,371	2,357
Difference	127	109	53	67	-84	-7	139	53	-30	-1,223	255	501
Percent Difference	8.3%	3.4%	1.4%	3.1%	-2.1%	-0.3%	5.0%	2.1%	-1.3%	-26.9%	12.0%	27.0%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative A	1,287	1,660	4,134	1,552	1,718	2,043	1,609	1,511	2,093	2,712	1,929	1,446
Difference	-14	-26	182	-71	36	123	-87	28	-2	-259	-115	55
Percent Difference	-1.0%	-1.5%	4.6%	-4.4%	2.1%	6.4%	-5.1%	1.9%	-0.1%	-8.7%	-5.6%	4.0%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative A	914	781	824	1,299	1,087	911	1,165	1,057	1,220	1,346	1,181	908
Difference	-46	-107	-33	-34	2	76	171	27	-214	111	287	-28
Percent Difference	-4.8%	-12.0%	-3.8%	-2.5%	0.1%	9.1%	17.2%	2.6%	-14.9%	9.0%	32.1%	-3.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-47-3b
American River at Mouth, Monthly Flow
Probability of Exceedance

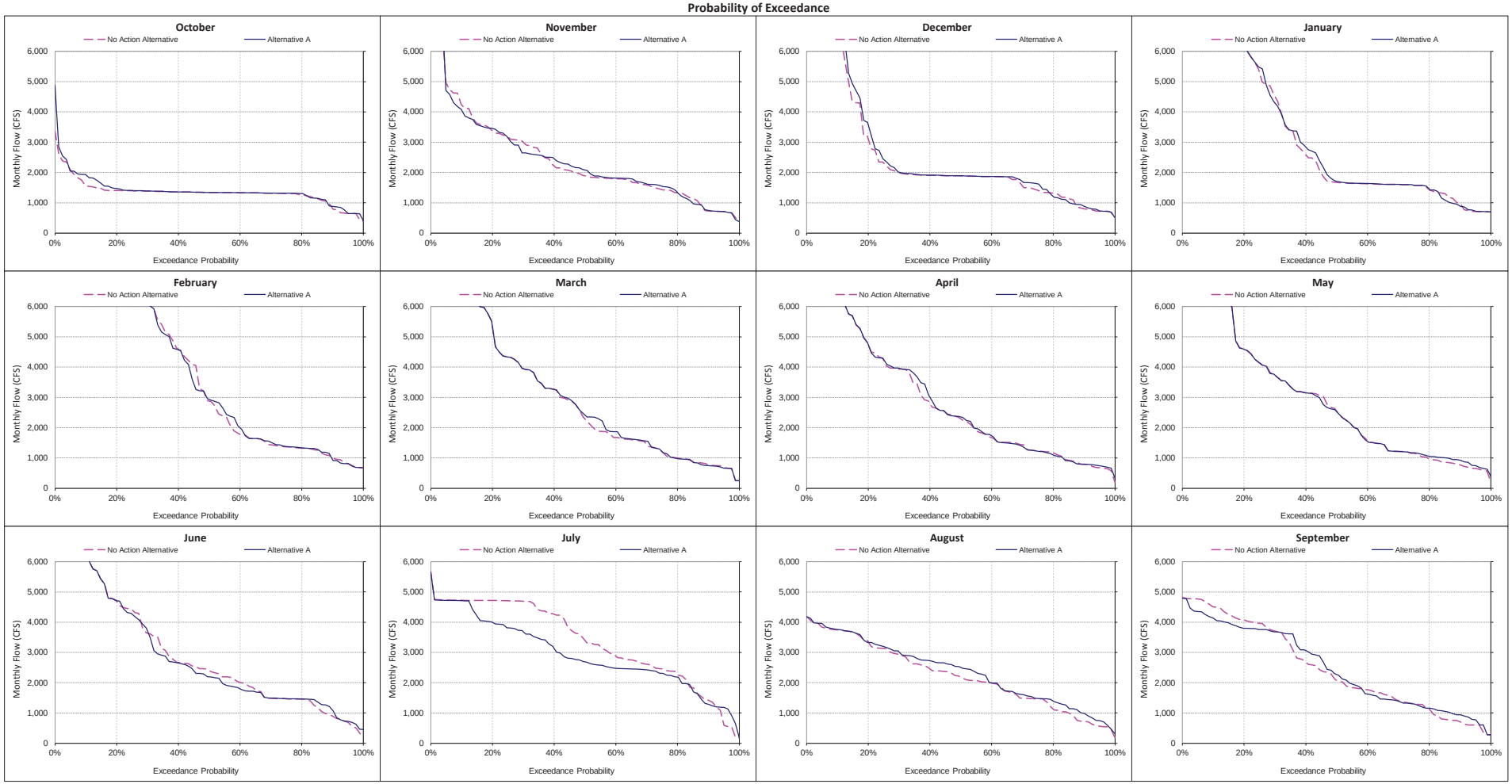

Table SW-47-3b

American River at Mouth, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	4,882	1,530	45.6%
1.2%	2,603	2,843	240	9.2%
2.5%	2,376	2,543	167	7.0%
3.7%	2,348	2,433	84	3.6%
4.9%	2,096	2,046	-50	-2.4%
6.2%	1,936	2,046	110	5.7%
7.4%	1,824	1,955	131	7.2%
8.6%	1,750	1,939	188	10.8%
9.9%	1,554	1,936	382	24.6%
11.1%	1,543	1,830	287	18.6%
12.3%	1,526	1,820	294	19.2%
13.6%	1,492	1,741	249	16.7%
14.8%	1,482	1,651	168	11.3%
16.0%	1,412	1,553	141	10.0%
17.3%	1,409	1,552	143	10.1%
18.5%	1,408	1,489	81	5.7%
19.8%	1,406	1,477	71	5.1%
21.0%	1,403	1,455	52	3.7%
22.2%	1,403	1,413	11	0.8%
23.5%	1,399	1,408	9	0.7%
24.7%	1,397	1,405	8	0.6%
25.9%	1,394	1,398	4	0.3%
27.2%	1,393	1,397	4	0.3%
28.4%	1,387	1,396	8	0.6%
29.6%	1,386	1,390	4	0.3%
30.9%	1,382	1,389	7	0.5%
32.1%	1,378	1,386	8	0.6%
33.3%	1,378	1,386	8	0.6%
34.6%	1,377	1,385	8	0.6%
35.8%	1,374	1,377	3	0.2%
37.0%	1,363	1,361	-1	-0.1%
38.3%	1,359	1,361	1	0.1%
39.5%	1,357	1,357	0	0.0%
40.7%	1,357	1,357	0	0.0%
42.0%	1,357	1,356	-1	0.0%
43.2%	1,356	1,355	-1	0.0%
44.4%	1,353	1,352	-2	-0.1%
45.7%	1,350	1,349	-1	-0.1%
46.9%	1,348	1,348	0	0.0%
48.1%	1,345	1,342	-2	-0.2%
49.4%	1,344	1,342	-2	-0.1%
50.6%	1,342	1,341	0	0.0%
51.9%	1,341	1,341	0	0.0%
53.1%	1,341	1,341	1	0.0%
54.3%	1,340	1,338	-2	-0.2%
55.6%	1,340	1,338	-2	-0.2%
56.8%	1,337	1,336	-1	-0.1%
58.0%	1,336	1,336	0	0.0%
59.3%	1,335	1,333	-2	-0.2%
60.5%	1,335	1,332	-3	-0.2%
61.7%	1,334	1,330	-3	-0.3%
63.0%	1,333	1,330	-3	-0.2%
64.2%	1,331	1,327	-5	-0.3%
65.4%	1,329	1,326	-4	-0.3%
66.7%	1,325	1,325	0	0.0%
67.9%	1,317	1,324	7	0.5%
69.1%	1,316	1,324	7	0.6%
70.4%	1,316	1,322	7	0.5%
71.6%	1,314	1,317	3	0.3%
72.8%	1,313	1,316	3	0.2%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,315	8	0.6%
76.5%	1,306	1,313	7	0.6%
77.8%	1,305	1,312	8	0.6%
79.0%	1,271	1,308	37	2.9%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,237	6	0.5%
82.7%	1,210	1,162	-48	-3.9%
84.0%	1,166	1,156	-10	-0.8%
85.2%	1,128	1,146	18	1.6%
86.4%	1,082	1,112	30	2.8%
87.7%	1,053	1,099	46	4.4%
88.9%	969	897	-72	-7.4%
90.1%	784	880	97	12.4%
91.4%	771	864	92	12.0%
92.6%	673	848	175	26.0%
93.8%	663	763	100	15.0%
95.1%	644	648	4	0.6%
96.3%	643	644	1	0.2%
97.5%	641	643	2	0.3%
98.8%	433	641	208	48.1%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	16,629	-583	-3.4%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,367	585	8.6%
4.9%	4,957	4,705	-252	-5.1%
6.2%	4,731	4,577	-154	-3.3%
7.4%	4,628	4,307	-321	-6.9%
8.6%	4,621	4,181	-439	-9.5%
9.9%	4,251	4,084	-166	-3.9%
11.1%	4,110	3,859	-251	-6.1%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,751	-54	-1.4%
14.8%	3,636	3,589	-47	-1.3%
16.0%	3,582	3,543	-38	-1.1%
17.3%	3,566	3,498	-67	-1.9%
18.5%	3,506	3,469	-37	-1.1%
19.8%	3,401	3,462	61	1.8%
21.0%	3,298	3,427	129	3.9%
22.2%	3,295	3,327	32	1.0%
23.5%	3,235	3,301	66	2.0%
24.7%	3,202	3,189	-13	-0.4%
25.9%	3,101	3,024	-77	-2.5%
27.2%	3,085	2,909	-177	-5.7%
28.4%	3,069	2,906	-162	-5.3%
29.6%	3,039	2,648	-391	-12.9%
30.9%	2,917	2,646	-271	-9.3%
32.1%	2,877	2,613	-264	-9.2%
33.3%	2,829	2,598	-231	-8.2%
34.6%	2,803	2,581	-222	-7.9%
35.8%	2,613	2,565	-49	-1.9%
37.0%	2,488	2,508	20	0.8%
38.3%	2,450	2,501	51	2.1%
39.5%	2,263	2,498	235	10.4%
40.7%	2,152	2,391	239	11.1%
42.0%	2,151	2,330	179	8.3%
43.2%	2,091	2,291	200	9.6%
44.4%	2,079	2,275	196	9.4%
45.7%	2,040	2,202	162	7.9%
46.9%	1,983	2,159	176	8.9%
48.1%	1,968	2,151	183	9.3%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,071	187	9.9%
51.9%	1,847	1,943	97	5.2%
53.1%	1,840	1,886	46	2.5%
54.3%	1,826	1,884	57	3.1%
55.6%	1,825	1,854	29	1.6%
56.8%	1,813	1,847	34	1.9%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,814	18	1.0%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,810	33	1.9%
64.2%	1,757	1,797	40	2.3%
65.4%	1,667	1,782	115	6.9%
66.7%	1,666	1,701	35	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,460	1,575	115	7.9%
75.3%	1,423	1,535	112	7.8%
76.5%	1,421	1,526	104	7.4%
77.8%	1,404	1,488	83	5.9%
79.0%	1,340	1,434	94	7.0%
80.2%	1,324	1,304	-19	-1.5%
81.5%	1,311	1,205	-106	-8.1%
82.7%	1,240	1,146	-94	-7.6%
84.0%	1,162	1,082	-80	-6.9%
85.2%	1,137	967	-170	-15.0%
86.4%	1,061	943	-118	-11.1%
87.7%	894	940	47	5.2%
88.9%	748	773	25	3.4%
90.1%	725	747	22	3.0%
91.4%	722	731	8	1.2%
92.6%	720	721	0	0.0%
93.8%	716	716	0	0.0%
95.1%	714	708	-6	-0.8%
96.3%	682	682	0	0.0%
97.5%	672	662	-10	-1.6%
98.8%	513	447	-67	-13.0%
100.0%	377	375	-2	-0.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,192	400	2.0%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	16,526	646	4.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,765	-4	0.0%
6.2%	12,867	13,309	441	3.4%
7.4%	8,949	8,949	0	0.0%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,126	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,384	644	11.2%
13.6%	5,025	5,276	250	5.0%
14.8%	4,349	4,934	585	13.4%
16.0%	4,306	4,689	383	8.9%
17.3%	4,294	4,455	161	3.8%
18.5%	3,212	3,717	505	15.7%
19.8%	3,196	3,656	461	14.4%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	2,781	39	1.4%
23.5%	2,349	2,731	382	16.3%
24.7%	2,342	2,455	113	4.8%
25.9%	2,221	2,342	121	5.4%
27.2%	2,096	2,220	124	5.9%
28.4%	2,059	2,160	101	4.9%
29.6%	2,002	2,018	16	0.8%
30.9%	1,969	1,988	18	0.9%
32.1%	1,950	1,972	23	1.2%
33.3%	1,934	1,969	35	1.8%
34.6%	1,933	1,950	17	0.9%
35.8%	1,922	1,934	12	0.6%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,918	1	0.1%
39.5%	1,911	1,912	1	0.1%
40.7%	1,911	1,910	-1	0.0%
42.0%	1,899	1,909	10	0.5%
43.2%	1,897	1,908	11	0.6%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,896	0	0.0%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,893	0	0.0%
50.6%	1,884	1,890	6	0.3%
51.9%	1,879	1,884	5	0.3%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,874	-3	-0.1%
56.8%	1,872	1,871	0	0.0%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,870	-1	0.0%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,869	11	0.6%
63.0%	1,857	1,869	12	0.7%
64.2%	1,856	1,863	7	0.4%
65.4%	1,846	1,861	15	0.8%
66.7%	1,770	1,857	87	4.9%
67.9%	1,767	1,812	44	2.5%
69.1%	1,666	1,769	103	6.2%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,452	110	8.2%
77.8%	1,340	1,441	100	7.5%
79.0%	1,333	1,296	-36	-2.7%
80.2%	1,303	1,178	-125	-9.6%
81.5%	1,285	1,164	-121	-9.4%
82.7%	1,181	1,115	-66	-5.6%
84.0%	1,178	1,105	-73	-6.2%
85.2%	1,132	995	-137	-12.1%
86.4%	1,094	962	-132	-12.1%
87.7%	852	946	95	11.1%
88.9%	829	940	111	13.4%
90.1%	799	881	82	10.2%
91.4%	790	832	43	5.4%
92.6%	766	799	34	4.4%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	719	0	0.0%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,267	-4	0.0%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,634	-15	-0.1%
3.7%	15,531	15,826	296	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,798	-4	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,741	-5	0.0%
9.9%	10,534	10,580	46	0.4%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,284	-14	-0.2%
13.6%	9,052	9,051	-1	0.0%
14.8%	8,927	8,922	-6	-0.1%
16.0%	7,747	7,740	-6	-0.1%
17.3%	7,461	7,461	0	0.0%
18.5%	6,778	6,786	8	0.1%
19.8%	6,640	6,546	-94	-1.4%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,817	-1	0.0%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,483	65	1.2%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,556	-306	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,566	38	1.1%
34.6%	3,392	3,409	18	0.5%
35.8%	3,364	3,376	12	0.4%
37.0%	2,907	3,367	460	15.8%
38.3%	2,782	2,997	215	7.7%
39.5%	2,644	2,896	252	9.5%
40.7%	2,487	2,756	269	10.8%
42.0%	2,482	2,704	223	9.0%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,392	312	15.0%
45.7%	1,863	2,167	304	16.3%
46.9%	1,712	1,929	217	12.7%
48.1%	1,704	1,806	102	6.0%
49.4%	1,676	1,729	53	3.2%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,643	6	0.3%
58.0%	1,631	1,641	10	0.6%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,631	10	0.6%
63.0%	1,616	1,629	13	0.8%
64.2%	1,612	1,616	5	0.3%
65.4%	1,610	1,612	2	0.1%
66.7%	1,608	1,610	2	0.1%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,607	6	0.4%
71.6%	1,599	1,600	2	0.1%
72.8%	1,597	1,599	2	0.1%
74.1%	1,582	1,597	15	0.9%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,553	35	2.3%
80.2%	1,418	1,426	8	0.5%
81.5%	1,375	1,424	49	3.5%
82.7%	1,340	1,375	35	2.6%
84.0%	1,325	1,155	-169	-12.8%
85.2%	1,296	1,085	-211	-16.3%
86.4%	1,173	1,014	-159	-13.6%
87.7%	1,149	977	-171	-14.9%
88.9%	1,016	959	-56	-5.6%
90.1%	973	879	-95	-9.7%
91.4%	774	867	93	12.1%
92.6%	748	774	26	3.5%
93.8%	721	767	45	6.3%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-47-3b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,561	-7	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,454	0	0.0%
4.9%	13,388	13,388	-1	0.0%
6.2%	13,055	13,040	-15	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,187	-9	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,507	0	0.0%
14.8%	10,012	10,006	-6	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,153	-12	-0.1%
21.0%	7,881	8,089	208	2.6%
22.2%	7,868	7,881	13	0.2%
23.5%	7,716	7,863	148	1.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,023	-7	-0.1%
27.2%	6,732	6,578	-154	-2.3%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,074	-1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,394	-157	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,621	-243	-5.0%
39.5%	4,621	4,592	-29	-0.6%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,594	-497	-12.1%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,221	-73	-2.2%
48.1%	3,218	3,211	-7	-0.2%
49.4%	2,895	2,958	63	2.2%
50.6%	2,865	2,907	43	1.5%
51.9%	2,723	2,864	141	5.2%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,659	264	11.0%
55.6%	2,347	2,441	94	4.0%
56.8%	2,066	2,376	310	15.0%
58.0%	1,895	2,337	442	23.3%
59.3%	1,814	2,064	251	13.8%
60.5%	1,754	1,944	190	10.8%
61.7%	1,747	1,724	-24	-1.4%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,565	8	0.5%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,502	68	4.7%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,435	41	3.0%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,318	44	3.4%
85.2%	1,253	1,283	30	2.4%
86.4%	1,152	1,194	42	3.7%
87.7%	1,103	1,188	84	7.7%
88.9%	1,083	1,152	68	6.3%
90.1%	986	912	-73	-7.4%
91.4%	954	911	-43	-4.5%
92.6%	936	830	-107	-11.4%
93.8%	842	815	-26	-3.1%
95.1%	815	813	-2	-0.3%
96.3%	731	747	16	2.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,420	544	4.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,425	631	8.1%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,508	-10	-0.2%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,495	-2	0.0%
23.5%	4,368	4,364	-4	-0.1%
24.7%	4,347	4,340	-8	-0.2%
25.9%	4,330	4,321	-8	-0.2%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,901	-8	-0.2%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,065	67	2.3%
43.2%	2,979	3,010	31	1.0%
44.4%	2,924	2,974	50	1.7%
45.7%	2,880	2,886	7	0.2%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,590	-1	0.0%
49.4%	2,363	2,472	108	4.6%
50.6%	2,223	2,354	131	5.9%
51.9%	2,080	2,352	271	13.1%
53.1%	1,952	2,342	390	20.0%
54.3%	1,882	2,297	414	22.0%
55.6%	1,872	2,223	351	18.8%
56.8%	1,864	1,932	69	3.7%
58.0%	1,788	1,879	91	5.1%
59.3%	1,678	1,867	189	11.3%
60.5%	1,670	1,865	194	11.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,346	-16	-1.2%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,297	2	0.2%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,019	-17	-1.6%
79.0%	1,014	998	-16	-1.5%
80.2%	1,000	973	-27	-2.7%
81.5%	974	961	-14	-1.4%
82.7%	969	957	-12	-1.2%
84.0%	932	953	21	2.2%
85.2%	865	846	-18	-2.1%
86.4%	854	835	-19	-2.3%
87.7%	833	779	-54	-6.4%
88.9%	823	753	-70	-8.5%
90.1%	757	743	-15	-2.0%
91.4%	753	737	-16	-2.1%
92.6%	743	730	-13	-1.8%
93.8%	743	700	-42	-5.7%
95.1%	685	664	-21	-3.0%
96.3%	664	664	0	0.0%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,691	-1	0.0%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,330	-131	-2.9%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,097	57	1.4%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,920	-6	-0.2%
33.3%	3,812	3,910	98	2.6%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,679	213	6.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,870	191	7.1%
42.0%	2,643	2,643	0	0.0%
43.2%	2,571	2,571	0	0.0%
44.4%	2,566	2,566	0	0.0%
45.7%	2,453	2,430	-23	-0.9%
46.9%	2,430	2,395	-34	-1.4%
48.1%	2,388	2,381	-7	-0.3%
49.4%	2,339	2,374	35	1.5%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,208	94	4.4%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,962	93	5.0%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,775	72	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,530	-32	-2.0%
63.0%	1,525	1,511	-14	-0.9%
64.2%	1,512	1,503	-9	-0.6%
65.4%	1,511	1,492	-19	-1.3%
66.7%	1,503	1,485	-19	-1.2%
67.9%	1,492	1,450	-42	-2.8%
69.1%	1,450	1,424	-26	-1.8%
70.4%	1,427	1,360	-68	-4.7%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,236	0	0.0%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,170	-35	-2.9%
79.0%	1,198	1,148	-50	-4.2%
80.2%	1,155	1,081	-73	-6.4%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	1,041	-14	-1.3%
84.0%	948	917	-31	-3.2%
85.2%	919	904	-15	-1.6%
86.4%	899	872	-27	-3.0%
87.7%	850	808	-42	-5.0%
88.9%	798	797	-1	-0.1%
90.1%	783	796	12	1.6%
91.4%	783	791	8	1.1%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	743	63	9.3%
96.3%	654	708	55	8.4%
97.5%	640	699	59	9.2%
98.8%	579	665	86	14.9%
100.0%	188	339	151	80.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,070	6	0.2%
27.2%	4,060	4,027	-32	-0.8%
28.4%	3,817	3,784	-33	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,655	-1	0.0%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,192	-3	-0.1%
38.3%	3,191	3,191	0	0.0%
39.5%	3,160	3,157	-2	-0.1%
40.7%	3,142	3,142	0	0.0%
42.0%	3,134	3,134	0	0.0%
43.2%	3,121	3,060	-61	-1.9%
44.4%	3,060	2,993	-67	-2.2%
45.7%	3,034	2,765	-269	-8.9%
46.9%	2,760	2,662	-99	-3.6%
48.1%	2,674	2,626	-48	-1.8%
49.4%	2,626	2,598	-28	-1.1%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,246	-9	-0.4%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,961	-8	-0.4%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,604	-45	-2.7%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,237	2	0.2%
67.9%	1,221	1,225	4	0.3%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,173	19	1.7%
75.3%	1,153	1,169	16	1.4%
76.5%	1,090	1,146	56	5.1%
77.8%	1,038	1,113	75	7.2%
79.0%	1,029	1,077	48	4.7%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	140	16.2%
86.4%	845	985	140	16.5%
87.7%	830	948	118	14.2%
88.9%	796	945	149	18.8%
90.1%	768	923	155	20.2%
91.4%	716	868	152	21.3%
92.6%	698	854	156	22.4%
93.8%	661	753	92	13.9%
95.1%	649	749	101	15.5%
96.3%	627	686	59	9.5%
97.5%	594	656	62	10.5%
98.8%	571	626	55	9.6%
100.0%	188	384	196	104.2%

Table SW-47-3b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,713	-26	-0.6%
21.0%	4,541	4,701	160	3.5%
22.2%	4,482	4,444	-38	-0.8%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,188	-128	-3.0%
27.2%	4,294	4,088	-206	-4.8%
28.4%	3,813	3,941	128	3.4%
29.6%	3,647	3,812	165	4.5%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,957	-544	-15.5%
34.6%	3,143	2,911	-233	-7.4%
35.8%	3,065	2,877	-188	-6.1%
37.0%	2,864	2,699	-165	-5.8%
38.3%	2,776	2,683	-93	-3.4%
39.5%	2,672	2,662	-10	-0.4%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,602	-37	-1.4%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,307	-221	-8.8%
46.9%	2,468	2,304	-164	-6.6%
48.1%	2,464	2,287	-176	-7.2%
49.4%	2,447	2,197	-250	-10.2%
50.6%	2,363	2,190	-173	-7.3%
51.9%	2,327	2,164	-163	-7.0%
53.1%	2,296	2,144	-152	-6.6%
54.3%	2,197	1,974	-223	-10.1%
55.6%	2,193	1,911	-282	-12.9%
56.8%	2,176	1,888	-288	-13.2%
58.0%	2,116	1,864	-251	-11.9%
59.3%	2,029	1,839	-191	-9.4%
60.5%	1,997	1,768	-229	-11.5%
61.7%	1,966	1,729	-238	-12.1%
63.0%	1,882	1,720	-161	-8.6%
64.2%	1,839	1,720	-119	-6.5%
65.4%	1,720	1,683	-37	-2.1%
66.7%	1,712	1,679	-33	-2.0%
67.9%	1,495	1,518	23	1.5%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,468	11	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,447	193	15.4%
85.2%	1,176	1,356	180	15.3%
86.4%	1,045	1,277	232	22.2%
87.7%	980	1,271	292	29.8%
88.9%	946	1,219	273	28.9%
90.1%	889	1,073	184	20.7%
91.4%	814	844	30	3.7%
92.6%	803	776	-27	-3.4%
93.8%	726	728	2	0.2%
95.1%	690	726	36	5.2%
96.3%	550	685	135	24.5%
97.5%	511	629	118	23.1%
98.8%	332	466	134	40.4%
100.0%	188	456	268	142.4%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,719	-8	-0.2%
8.6%	4,727	4,717	-10	-0.2%
9.9%	4,726	4,714	-12	-0.2%
11.1%	4,724	4,709	-15	-0.3%
12.3%	4,723	4,702	-21	-0.4%
13.6%	4,723	4,418	-304	-6.4%
14.8%	4,720	4,232	-488	-10.3%
16.0%	4,719	4,048	-672	-14.2%
17.3%	4,719	4,041	-678	-14.4%
18.5%	4,718	4,023	-695	-14.7%
19.8%	4,717	4,007	-711	-15.1%
21.0%	4,717	3,941	-776	-16.5%
22.2%	4,716	3,933	-784	-16.6%
23.5%	4,712	3,930	-782	-16.6%
24.7%	4,709	3,818	-891	-18.9%
25.9%	4,707	3,810	-898	-19.1%
27.2%	4,707	3,787	-920	-19.5%
28.4%	4,702	3,733	-969	-20.6%
29.6%	4,698	3,723	-976	-20.8%
30.9%	4,690	3,605	-1,084	-23.1%
32.1%	4,684	3,603	-1,081	-23.1%
33.3%	4,623	3,519	-1,104	-23.9%
34.6%	4,424	3,480	-943	-21.3%
35.8%	4,373	3,429	-944	-21.6%
37.0%	4,364	3,412	-952	-21.8%
38.3%	4,288	3,281	-1,007	-23.5%
39.5%	4,282	3,204	-1,077	-25.2%
40.7%	4,233	3,008	-1,225	-28.9%
42.0%	4,232	2,979	-1,253	-29.6%
43.2%	4,105	2,859	-1,246	-30.4%
44.4%	3,838	2,808	-1,030	-26.8%
45.7%	3,723	2,800	-922	-24.8%
46.9%	3,639	2,767	-872	-24.0%
48.1%	3,615	2,754	-860	-23.8%
49.4%	3,480	2,703	-778	-22.3%
50.6%	3,323	2,674	-648	-19.5%
51.9%	3,319	2,623	-696	-21.0%
53.1%	3,262	2,602	-660	-20.2%
54.3%	3,260	2,585	-675	-20.7%
55.6%	3,123	2,573	-551	-17.6%
56.8%	3,068	2,535	-533	-17.4%
58.0%	2,979	2,507	-472	-15.9%
59.3%	2,939	2,480	-459	-15.6%
60.5%	2,835	2,477	-357	-12.6%
61.7%	2,819	2,470	-349	-12.4%
63.0%	2,772	2,466	-306	-11.0%
64.2%	2,754	2,462	-292	-10.6%
65.4%	2,750	2,453	-297	-10.8%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,443	-215	-8.1%
69.1%	2,623	2,441	-182	-6.9%
70.4%	2,609	2,420	-188	-7.2%
71.6%	2,578	2,396	-182	-7.1%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,314	-152	-6.1%
75.3%	2,457	2,310	-147	-6.0%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,238	-146	-6.1%
79.0%	2,382	2,199	-183	-7.7%
80.2%	2,247	2,185	-62	-2.8%
81.5%	2,225	1,972	-253	-11.4%
82.7%	2,102	1,968	-134	-6.4%
84.0%	1,849	1,935	86	4.7%
85.2%	1,824	1,696	-128	-7.0%
86.4%	1,644	1,635	-9	-0.5%
87.7%	1,542	1,460	-82	-5.3%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,285	-128	-9.1%
91.4%	1,349	1,235	-115	-8.5%
92.6%	1,190	1,200	9	0.8%
93.8%	1,091	1,189	98	9.0%
95.1%	588	1,180	592	100.8%
96.3%	556	1,132	576	103.6%
97.5%	546	915	370	67.7%
98.8%	188	651	463	246.4%
100.0%	188	188	0	0.0%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	4,137	68	1.7%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,955	117	3.1%
6.2%	3,809	3,838	29	0.8%
7.4%	3,778	3,809	31	0.8%
8.6%	3,757	3,782	25	0.7%
9.9%	3,747	3,757	10	0.3%
11.1%	3,742	3,747	5	0.1%
12.3%	3,717	3,717	0	0.0%
13.6%	3,703	3,703	0	0.0%
14.8%	3,685	3,685	0	0.0%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,593	45	1.3%
18.5%	3,421	3,402	-19	-0.5%
19.8%	3,392	3,330	-62	-1.8%
21.0%	3,192	3,330	138	4.3%
22.2%	3,157	3,268	112	3.5%
23.5%	3,143	3,235	92	2.9%
24.7%	3,136	3,203	67	2.1%
25.9%	3,125	3,161	36	1.1%
27.2%	3,008	3,115	108	3.6%
28.4%	2,967	3,057	90	3.0%
29.6%	2,941	3,052	110	3.7%
30.9%	2,892	2,921	29	1.0%
32.1%	2,862	2,903	41	1.4%
33.3%	2,687	2,891	203	7.6%
34.6%	2,628	2,865	238	9.0%
35.8%	2,625	2,803	178	6.8%
37.0%	2,594	2,751	157	6.1%
38.3%	2,562	2,741	179	7.0%
39.5%	2,501	2,733	232	9.3%
40.7%	2,398	2,708	309	12.9%
42.0%	2,393	2,666	273	11.4%
43.2%	2,391	2,661	270	11.3%
44.4%	2,372	2,658	286	12.1%
45.7%	2,360	2,620	260	11.0%
46.9%	2,323	2,605	282	12.1%
48.1%	2,238	2,539	300	13.4%
49.4%	2,224	2,535	311	14.0%
50.6%	2,158	2,473	315	14.6%
51.9%	2,098	2,460	362	17.2%
53.1%	2,079	2,443	364	17.5%
54.3%	2,074	2,373	299	14.4%
55.6%	2,063	2,304	241	11.7%
56.8%	2,029	2,279	251	12.3%
58.0%	2,020	2,239	219	10.9%
59.3%	2,013	1,997	-16	-0.8%
60.5%	1,982	1,992	10	0.5%
61.7%	1,949	1,991	41	2.1%
63.0%	1,866	1,810	-56	-3.0%
64.2%	1,726	1,739	13	0.7%
65.4%	1,699	1,722	23	1.4%
66.7%	1,667	1,712	46	2.7%
67.9%	1,617	1,642	24	1.5%
69.1%	1,489	1,619	130	8.7%
70.4%	1,489	1,599	110	7.4%
71.6%	1,482	1,557	76	5.1%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	10	0.7%
76.5%	1,466	1,472	5	0.4%
77.8%	1,370	1,470	100	7.3%
79.0%	1,213	1,454	241	19.9%
80.2%	1,102	1,374	273	24.7%
81.5%	1,093	1,331	238	21.8%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,272	231	22.2%
85.2%	993	1,144	152	15.3%
86.4%	922	1,143	222	24.0%
87.7%	750	1,105	355	47.3%
88.9%	728	1,008	280	38.4%
90.1%	723	979	255	35.3%
91.4%	703	897	194	27.6%
92.6%	624	844	220	35.2%
93.8%	571	752	181	31.7%
95.1%	561	747	186	33.2%
96.3%	549	708	160	29.1%
97.5%	545	598	52	9.6%
98.8%	444	463	19	4.3%
100.0%	188	309	121	64.3%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,788	-37	-0.8%
1.2%	4,791	4,781	-11	-0.2%
2.5%	4,781	4,470	-310	-6.5%
3.7%	4,778	4,367	-412	-8.6%
4.9%	4,773	4,353	-420	-8.8%
6.2%	4,751	4,341	-411	-8.6%
7.4%	4,679	4,253	-426	-9.1%
8.6%	4,607	4,184	-423	-9.2%
9.9%	4,514	4,144	-369	-8.2%
11.1%	4,494	4,051	-443	-9.8%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	4,007	-334	-7.7%
14.8%	4,265	3,984	-281	-6.6%
16.0%	4,210	3,928	-283	-6.7%
17.3%	4,144	3,880	-265	-6.4%
18.5%	4,089	3,834	-255	-6.2%
19.8%	4,080	3,800	-280	-6.9%
21.0%	4,039	3,797	-243	-6.0%
22.2%	4,004	3,795	-209	-5.2%
23.5%	4,001	3,789	-212	-5.3%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,683	-29	-0.8%
30.9%	3,684	3,681	-3	-0.1%
32.1%	3,660	3,655	-5	-0.1%
33.3%	3,453	3,627	173	5.0%
34.6%	3,337	3,616	280	8.4%
35.8%	3,078	3,614	536	17.4%
37.0%	2,813	3,240	427	15.2%
38.3%	2,784	3,088	304	10.9%
39.5%	2,739	3,086	347	12.7%
40.7%	2,610	3,027	417	16.0%
42.0%	2,588	2,946	358	13.8%
43.2%	2,569	2,918	348	13.6%
44.4%	2,428	2,887	459	18.9%
45.7%	2,368	2,681	313	13.2%
46.9%	2,350	2,443	93	4.0%
48.1%	2,286	2,417	131	5.8%
49.4%	2,119	2,296	177	8.3%
50.6%	2,029	2,247	218	10.7%
51.9%	2,027	2,119	92	4.6%
53.1%	1,897	2,087	190	10.0%
54.3%	1,842	1,977	135	7.3%
55.6%	1,835	1,936	101	5.5%
56.8%	1,813	1,897	84	4.6%
58.0%	1,806	1,821	16	0.9%
59.3%	1,776	1,639	-137	-7.7%
60.5%	1,763	1,620	-144	-8.1%
61.7%	1,722	1,588	-134	-7.8%
63.0%	1,671	1,562	-109	-6.5%
64.2%	1,665	1,464	-201	-12.1%
65.4%	1,610	1,459	-151	-9.4%
66.7%	1,585	1,444	-141	-8.9%
67.9%	1,535	1,438	-97	-6.3%
69.1%	1,438	1,422	-15	-1.1%
70.4%	1,396	1,378	-19	-1.3%
71.6%	1,357	1,324	-33	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,309	-10	-0.7%
75.3%	1,312	1,294	-18	-1.4%
76.5%	1,286	1,242	-43	-3.4%
77.8%	1,280	1,190	-90	-7.1%
79.0%	1,150	1,158	8	0.7%
80.2%	1,109	1,156	48	4.3%
81.5%	944	1,131	187	19.8%
82.7%	906	1,084	177	19.6%
84.0%	805	1,074	269	33.5%
85.2%	790	1,054	263	33.3%
86.4%	771	1,026	255	33.0%
87.7%	758	975	217	28.7%
88.9%	754	944	190	25.2%
90.1%	707	942	235	33.3%
91.4%	633	896	263	41.5%
92.6%	606	867	261	43.1%
93.8%	605	791	187	30.9%
95.1%	603	771	168	27.8%
96.3%	598	602	3	0.6%
97.5%	367	602	235	64.1%
98.8%	281	281	0	0.0%
100.0%	281	281	0	0.0%

Table SW-53-3a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative A	3	4	5	6	7	6	4	4	5	6	5	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	1.2%	0.4%	7.7%	3.1%	2.8%	-1.3%	-3.7%	-3.1%	-3.9%	-1.2%	-2.3%	-3.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative A	4	5	5	11	11	10	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.6%	-5.5%	9.3%	1.7%	0.9%	-0.3%	-0.2%	0.4%	0.8%	-2.6%	-2.6%	-4.1%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative A	3	4	5	7	9	7	4	4	5	6	4	3
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	3.1%	2.1%	10.6%	0.6%	1.7%	-0.4%	0.9%	0.7%	-6.4%	-1.3%	-5.3%	-11.0%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative A	3	3	6	4	5	4	4	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	7.9%	7.0%	7.0%	5.1%	5.3%	-2.4%	1.7%	-2.5%	-7.3%	-0.9%	-6.2%	1.6%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative A	3	3	5	3	4	3	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-8.4%	7.7%	6.0%	11.0%	8.9%	-4.3%	-14.6%	-10.9%	-6.6%	0.9%	-3.7%	-4.3%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative A	2	2	3	3	3	2	3	3	5	5	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.7%	0.3%	2.1%	5.0%	4.2%	-3.1%	-15.6%	-8.5%	-4.0%	-1.3%	9.1%	4.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

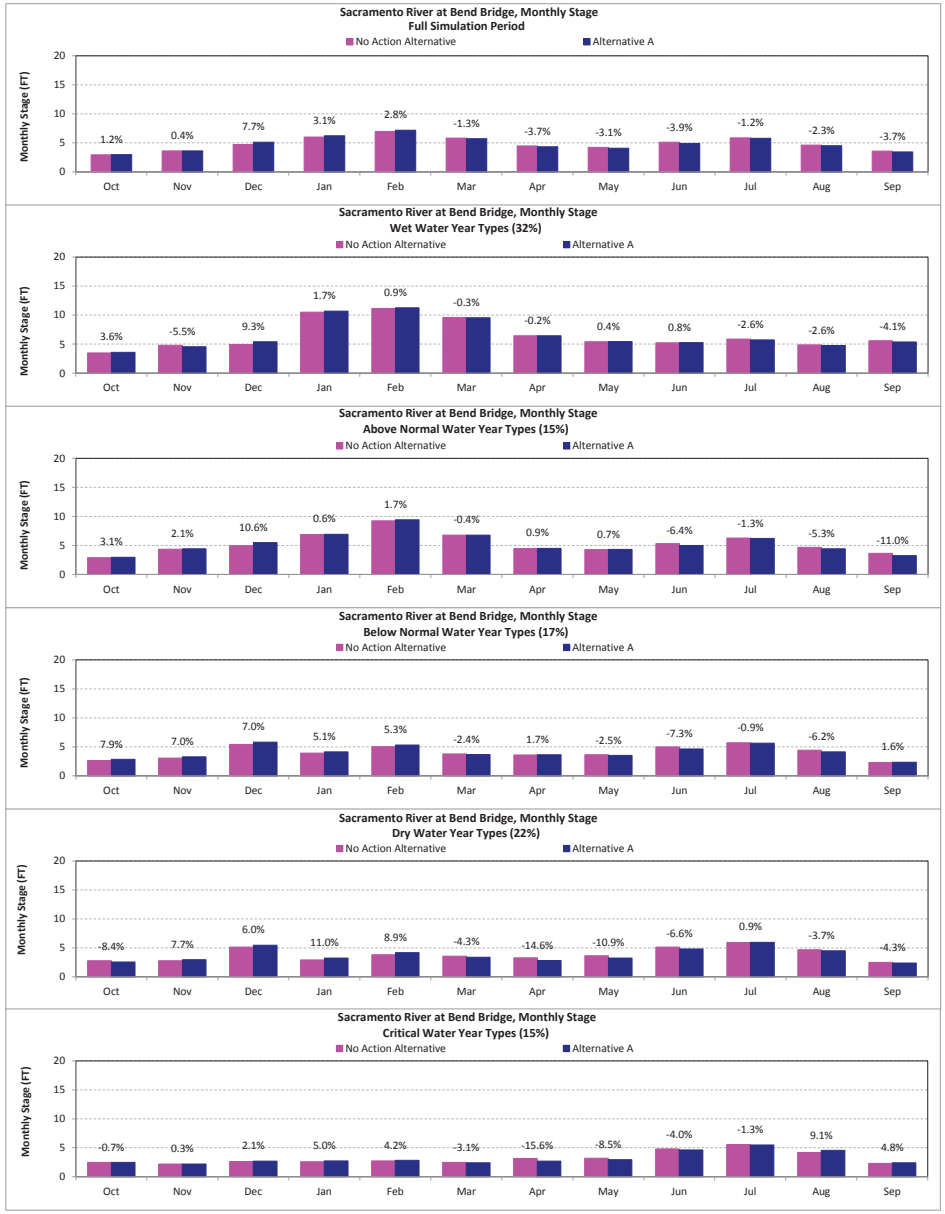

Figure SW-53-3b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

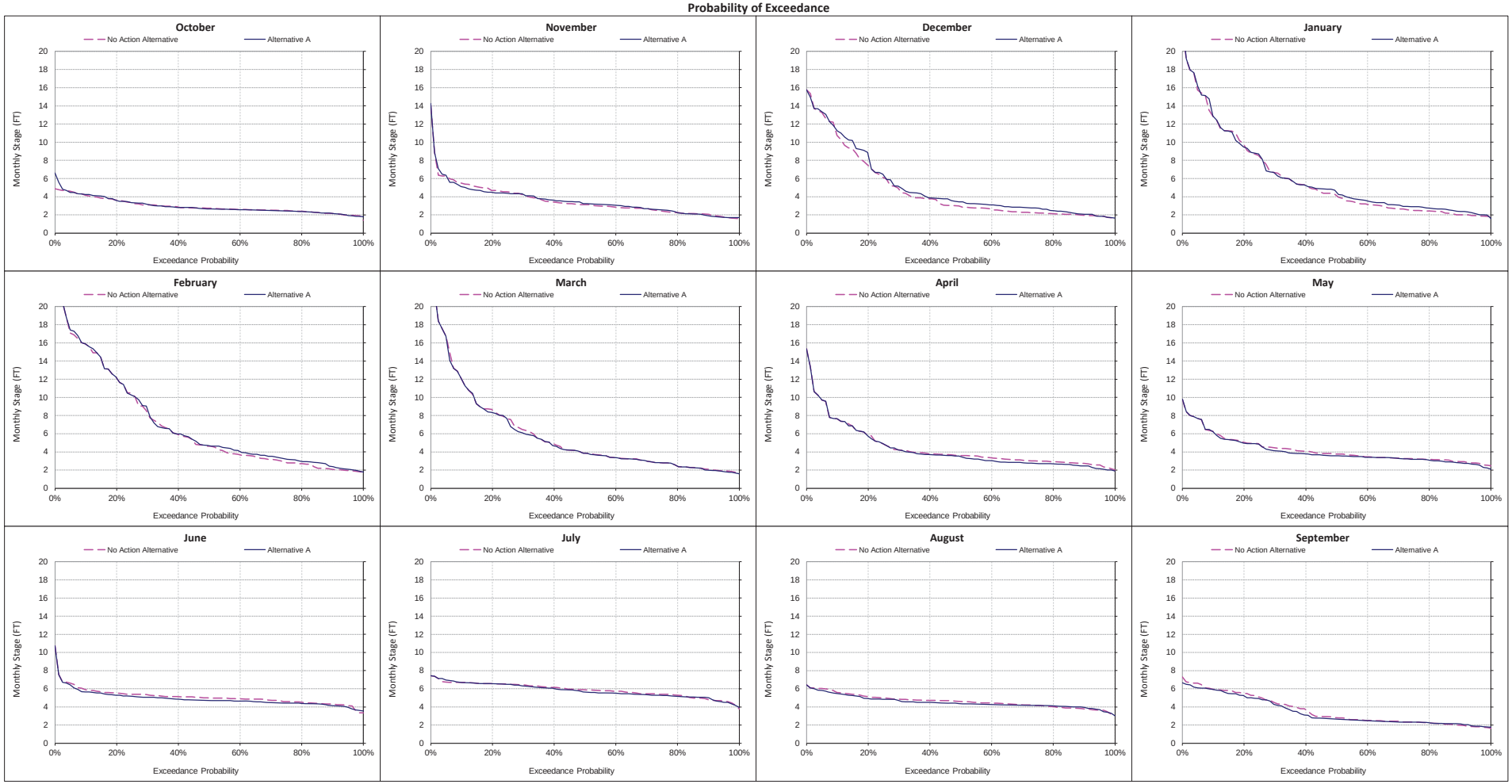

Table SW-53-3b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	7	2	35.7%
1.2%	5	6	1	17.2%
2.5%	5	5	0	2.9%
3.7%	5	5	0	0.0%
4.9%	5	4	0	-3.1%
6.2%	5	4	0	-1.1%
7.4%	4	4	0	0.0%
8.6%	4	4	0	-0.5%
9.9%	4	4	0	2.1%
11.1%	4	4	0	4.2%
12.3%	4	4	0	3.3%
13.6%	4	4	0	3.7%
14.8%	4	4	0	5.8%
16.0%	4	4	0	5.5%
17.3%	4	4	0	0.1%
18.5%	4	4	0	1.9%
19.8%	4	4	0	-1.0%
21.0%	4	3	0	-3.1%
22.2%	4	3	0	-1.4%
23.5%	3	3	0	1.6%
24.7%	3	3	0	-0.5%
25.9%	3	3	0	2.6%
27.2%	3	3	0	2.6%
28.4%	3	3	0	6.0%
29.6%	3	3	0	2.7%
30.9%	3	3	0	0.1%
32.1%	3	3	0	-1.8%
33.3%	3	3	0	-2.3%
34.6%	3	3	0	0.0%
35.8%	3	3	0	-2.2%
37.0%	3	3	0	-1.8%
38.3%	3	3	0	-2.3%
39.5%	3	3	0	-2.4%
40.7%	3	3	0	0.6%
42.0%	3	3	0	0.8%
43.2%	3	3	0	1.1%
44.4%	3	3	0	1.2%
45.7%	3	3	0	-0.1%
46.9%	3	3	0	-1.6%
48.1%	3	3	0	-2.3%
49.4%	3	3	0	-3.1%
50.6%	3	3	0	-2.4%
51.9%	3	3	0	-2.3%
53.1%	3	3	0	-1.8%
54.3%	3	3	0	-0.5%
55.6%	3	3	0	-1.1%
56.8%	3	3	0	-1.3%
58.0%	3	3	0	-1.6%
59.3%	3	3	0	-1.0%
60.5%	3	3	0	-1.0%
61.7%	3	3	0	-0.4%
63.0%	3	3	0	-1.2%
64.2%	3	3	0	-1.3%
65.4%	3	3	0	-0.7%
66.7%	3	3	0	-1.1%
67.9%	3	3	0	-1.2%
69.1%	3	2	0	-1.7%
70.4%	3	2	0	-1.6%
71.6%	3	2	0	-1.6%
72.8%	2	2	0	-1.3%
74.1%	2	2	0	-1.2%
75.3%	2	2	0	-1.8%
76.5%	2	2	0	-0.5%
77.8%	2	2	0	-1.8%
79.0%	2	2	0	-0.3%
80.2%	2	2	0	-0.9%
81.5%	2	2	0	0.1%
82.7%	2	2	0	-0.5%
84.0%	2	2	0	-0.6%
85.2%	2	2	0	0.6%
86.4%	2	2	0	0.6%
87.7%	2	2	0	0.9%
88.9%	2	2	0	1.3%
90.1%	2	2	0	-0.5%
91.4%	2	2	0	0.0%
92.6%	2	2	0	0.6%
93.8%	2	2	0	3.2%
95.1%	2	2	0	-0.3%
96.3%	2	2	0	-1.9%
97.5%	2	2	0	-4.1%
98.8%	2	2	0	-3.4%
100.0%	1	2	0	26.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	1.3%
1.2%	9	9	0	0.0%
2.5%	6	7	1	11.4%
3.7%	6	6	0	3.3%
4.9%	6	6	0	1.5%
6.2%	6	6	0	-6.4%
7.4%	6	6	0	-4.4%
8.6%	6	5	0	-3.4%
9.9%	5	5	0	-7.2%
11.1%	5	5	0	-7.0%
12.3%	5	5	0	-8.9%
13.6%	5	5	0	-8.3%
14.8%	5	5	0	-7.3%
16.0%	5	5	0	-6.3%
17.3%	5	5	0	-8.2%
18.5%	5	5	0	-8.5%
19.8%	5	5	0	-4.2%
21.0%	5	4	0	-5.9%
22.2%	5	4	0	-4.7%
23.5%	5	4	0	-3.1%
24.7%	5	4	0	-3.8%
25.9%	5	4	0	-3.9%
27.2%	4	4	0	-1.3%
28.4%	4	4	0	-1.2%
29.6%	4	4	0	1.9%
30.9%	4	4	0	0.6%
32.1%	4	4	0	3.4%
33.3%	4	4	0	4.7%
34.6%	4	4	0	-1.7%
35.8%	4	4	0	2.0%
37.0%	4	4	0	6.2%
38.3%	3	4	0	5.4%
39.5%	3	4	0	5.4%
40.7%	3	4	0	5.3%
42.0%	3	4	0	6.3%
43.2%	3	3	0	5.7%
44.4%	3	3	0	6.9%
45.7%	3	3	0	6.9%
46.9%	3	3	0	7.4%
48.1%	3	3	0	9.6%
49.4%	3	3	0	4.0%
50.6%	3	3	0	3.7%
51.9%	3	3	0	3.0%
53.1%	3	3	0	5.6%
54.3%	3	3	0	5.4%
55.6%	3	3	0	5.9%
56.8%	3	3	0	6.6%
58.0%	3	3	0	5.5%
59.3%	3	3	0	6.8%
60.5%	3	3	0	8.3%
61.7%	3	3	0	8.2%
63.0%	3	3	0	5.9%
64.2%	3	3	0	5.9%
65.4%	3	3	0	3.1%
66.7%	3	3	0	3.4%
67.9%	3	3	0	2.8%
69.1%	3	3	0	-2.2%
70.4%	3	3	0	0.2%
71.6%	3	3	0	2.2%
72.8%	3	3	0	2.5%
74.1%	2	3	0	4.7%
75.3%	2	3	0	6.0%
76.5%	2	3	0	7.7%
77.8%	2	2	0	8.4%
79.0%	2	2	0	4.1%
80.2%	2	2	0	-2.4%
81.5%	2	2	0	-0.9%
82.7%	2	2	0	-2.2%
84.0%	2	2	0	-1.8%
85.2%	2	2	0	-2.4%
86.4%	2	2	0	-0.8%
87.7%	2	2	0	-1.7%
88.9%	2	2	0	-6.1%
90.1%	2	2	0	-9.9%
91.4%	2	2	0	-3.4%
92.6%	2	2	0	-6.5%
93.8%	2	2	0	-3.3%
95.1%	2	2	0	-1.3%
96.3%	2	2	0	0.9%
97.5%	2	2	0	3.1%
98.8%	2	2	0	5.3%
100.0%	2	2	0	7.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-2.5%
2.5%	14	14	0	0.0%
3.7%	13	14	0	1.6%
4.9%	13	13	0	0.5%
6.2%	13	13	0	3.2%
7.4%	12	12	0	0.0%
8.6%	12	12	0	-2.8%
9.9%	11	11	1	4.7%
11.1%	10	11	1	6.7%
12.3%	10	11	1	9.1%
13.6%	9	10	1	9.2%
14.8%	9	10	1	9.7%
16.0%	9	9	0	5.6%
17.3%	8	9	1	13.0%
18.5%	8	9	1	15.2%
19.8%	8	9	1	18.2%
21.0%	7	7	0	-0.6%
22.2%	7	7	0	0.0%
23.5%	6	7	0	2.8%
24.7%	6	6	0	5.6%
25.9%	6	6	0	-1.0%
27.2%	5	6	1	12.4%
28.4%	5	5	0	1.0%
29.6%	5	5	0	3.8%
30.9%	4	5	0	10.6%
32.1%	4	5	0	5.2%
33.3%	4	4	0	8.1%
34.6%	4	4	1	14.5%
35.8%	4	4	1	13.7%
37.0%	4	4	0	12.0%
38.3%	4	4	0	7.6%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.8%
42.0%	4	4	0	4.1%
43.2%	3	4	1	17.3%
44.4%	3	4	1	23.1%
45.7%	3	4	1	23.7%
46.9%	3	4	1	17.7%
48.1%	3	3	0	14.9%
49.4%	3	3	0	15.9%
50.6%	3	3	1	20.4%
51.9%	3	3	0	15.1%
53.1%	3	3	0	16.0%
54.3%	3	3	0	16.4%
55.6%	3	3	0	16.1%
56.8%	3	3	0	14.8%
58.0%	3	3	0	15.3%
59.3%	3	3	0	15.0%
60.5%	3	3	1	22.0%
61.7%	3	3	1	20.5%
63.0%	2	3	1	21.6%
64.2%	2	3	0	20.4%
65.4%	2	3	0	20.7%
66.7%	2	3	1	21.6%
67.9%	2	3	1	21.7%
69.1%	2	3	1	23.7%
70.4%	2	3	1	22.8%
71.6%	2	3	0	21.9%
72.8%	2	3	1	23.9%
74.1%	2	3	1	24.5%
75.3%	2	3	1	24.2%
76.5%	2	3	0	19.9%
77.8%	2	3	0	21.7%
79.0%	2	2	0	16.2%
80.2%	2	2	0	15.8%
81.5%	2	2	0	15.1%
82.7%	2	2	0	14.6%
84.0%	2	2	0	13.8%
85.2%	2	2	0	11.4%
86.4%	2	2	0	5.8%
87.7%	2	2	0	4.6%
88.9%	2	2	0	6.3%
90.1%	2	2	0	5.5%
91.4%	2	2	0	6.8%
92.6%	2	2	0	7.4%
93.8%	2	2	0	0.0%
95.1%	2	2	0	-1.6%
96.3%	2	2	0	0.0%
97.5%	2	2	0	0.0%
98.8%	2	2	0	2.6%
100.0%	2	2	0	3.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	16	16	0	2.7%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.3%
8.6%	14	15	1	9.2%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	12	0	1.1%
13.6%	11	11	0	-0.2%
14.8%	11	11	0	-0.3%
16.0%	11	11	0	-0.9%
17.3%	11	10	-1	-7.3%
18.5%	10	10	0	-3.2%
19.8%	10	10	0	-3.6%
21.0%	9	9	0	2.6%
22.2%	9	9	0	1.0%
23.5%	9	9	0	0.9%
24.7%	9	9	0	2.2%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-9.5%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-2.8%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	1.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	-1.1%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.8%
42.0%	5	5	0	4.0%
43.2%	5	5	0	1.8%
44.4%	5	5	0	7.1%
45.7%	4	5	0	11.3%
46.9%	4	5	0	10.5%
48.1%	4	5	0	10.5%
49.4%	4	5	0	10.8%
50.6%	4	4	0	7.9%
51.9%	4	4	0	9.7%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	9.7%
56.8%	3	4	0	13.3%
58.0%	3	4	0	13.5%
59.3%	3	4	0	12.5%
60.5%	3	3	0	12.0%
61.7%	3	3	0	10.2%
63.0%	3	3	0	9.2%
64.2%	3	3	0	10.9%
65.4%	3	3	0	13.9%
66.7%	3	3	0	12.9%
67.9%	3	3	0	13.7%
69.1%	3	3	0	14.8%
70.4%	3	3	0	15.7%
71.6%	3	3	0	10.8%
72.8%	3	3	0	14.8%
74.1%	3	3	0	15.6%
75.3%	2	3	0	16.7%
76.5%	2	3	0	16.9%
77.8%	2	3	0	15.9%
79.0%	2	3	0	13.8%
80.2%	2	3	0	12.8%
81.5%	2	3	0	11.3%
82.7%	2	3	0	12.0%
84.0%	2	3	0	11.8%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	17.8%
88.9%	2	2	0	19.3%
90.1%	2	2	0	18.2%
91.4%	2	2	0	17.8%
92.6%	2	2	0	16.8%
93.8%	2	2	0	14.9%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.9%
97.5%	2	2	0	7.4%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.2%

Table SW-53-3b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	20	21	1	4.8%
2.5%	20	20	0	0.2%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.0%
6.2%	17	17	0	2.3%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	0.0%
12.3%	15	15	0	2.9%
13.6%	15	15	0	0.0%
14.8%	14	14	0	0.0%
16.0%	13	13	0	0.0%
17.3%	13	13	0	0.0%
18.5%	13	13	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	10	0	-0.4%
24.7%	10	10	0	-1.9%
25.9%	10	10	0	0.0%
27.2%	9	10	1	7.6%
28.4%	9	9	0	0.4%
29.6%	9	9	1	6.0%
30.9%	8	8	0	1.6%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-5.9%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-1.3%
37.0%	7	7	0	0.6%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.1%
40.7%	6	6	0	3.7%
42.0%	6	6	0	1.6%
43.2%	6	6	0	1.5%
44.4%	5	5	0	0.0%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.0%
49.4%	5	5	0	2.0%
50.6%	5	5	0	0.1%
51.9%	5	5	0	2.8%
53.1%	4	5	0	9.4%
54.3%	4	5	0	8.2%
55.6%	4	4	1	13.1%
56.8%	4	4	1	14.9%
58.0%	4	4	0	9.8%
59.3%	4	4	0	11.1%
60.5%	4	4	0	8.2%
61.7%	4	4	0	7.7%
63.0%	4	4	0	5.9%
64.2%	4	4	0	5.5%
65.4%	3	4	0	8.9%
66.7%	3	4	0	10.6%
67.9%	3	4	0	11.2%
69.1%	3	4	0	10.8%
70.4%	3	4	0	11.1%
71.6%	3	3	0	9.2%
72.8%	3	3	0	10.6%
74.1%	3	3	0	11.3%
75.3%	3	3	0	14.2%
76.5%	3	3	0	12.6%
77.8%	3	3	0	13.0%
79.0%	3	3	0	11.8%
80.2%	3	3	0	8.9%
81.5%	3	3	0	10.3%
82.7%	3	3	0	9.5%
84.0%	2	3	0	21.1%
85.2%	2	3	1	26.9%
86.4%	2	3	1	25.9%
87.7%	2	3	1	25.2%
88.9%	2	2	0	12.8%
90.1%	2	2	0	15.3%
91.4%	2	2	0	9.5%
92.6%	2	2	0	8.1%
93.8%	2	2	0	8.4%
95.1%	2	2	0	5.3%
96.3%	2	2	0	5.7%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.5%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	22	22	0	0.0%
1.2%	22	22	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	17	17	0	0.0%
6.2%	15	14	-1	-5.5%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	0.0%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	1.1%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	8	0	-3.8%
19.8%	9	8	0	-3.8%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.2%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-10.1%
27.2%	7	6	0	-5.2%
28.4%	7	6	0	-6.9%
29.6%	6	6	0	-5.8%
30.9%	6	6	0	-6.6%
32.1%	6	6	0	-6.0%
33.3%	6	6	0	-3.5%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.9%
38.3%	5	5	0	0.0%
39.5%	5	5	0	-4.6%
40.7%	5	5	0	-2.8%
42.0%	5	4	0	-4.8%
43.2%	4	4	0	0.0%
44.4%	4	4	0	0.1%
45.7%	4	4	0	0.0%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	-0.2%
50.6%	4	4	0	-0.1%
51.9%	4	4	0	-2.8%
53.1%	4	4	0	-1.0%
54.3%	4	4	0	-1.2%
55.6%	4	4	0	-1.0%
56.8%	4	4	0	0.1%
58.0%	3	3	0	0.1%
59.3%	3	3	0	0.1%
60.5%	3	3	0	-0.1%
61.7%	3	3	0	-1.3%
63.0%	3	3	0	-0.7%
64.2%	3	3	0	0.0%
65.4%	3	3	0	-0.1%
66.7%	3	3	0	-1.5%
67.9%	3	3	0	0.0%
69.1%	3	3	0	-0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	-0.1%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.1%
76.5%	3	3	0	0.0%
77.8%	3	3	0	0.0%
79.0%	3	3	0	0.0%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.0%
85.2%	2	2	0	-0.1%
86.4%	2	2	0	0.1%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-4.9%
90.1%	2	2	0	-5.6%
91.4%	2	2	0	-3.6%
92.6%	2	2	0	-1.9%
93.8%	2	2	0	-1.2%
95.1%	2	2	0	-4.2%
96.3%	2	2	0	-7.8%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.6%
100.0%	2	2	0	-5.3%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	10	10	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.0%
18.5%	6	6	0	0.0%
19.8%	6	6	0	-1.4%
21.0%	6	5	0	-5.7%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	4	0	-1.2%
28.4%	4	4	0	4.2%
29.6%	4	4	0	-0.6%
30.9%	4	4	0	-0.7%
32.1%	4	4	0	-3.8%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	-0.3%
35.8%	4	4	0	-3.5%
37.0%	4	4	0	-4.1%
38.3%	4	4	0	-3.9%
39.5%	4	4	0	-2.7%
40.7%	4	4	0	-2.8%
42.0%	4	4	0	-2.8%
43.2%	4	4	0	-2.5%
44.4%	4	4	0	-2.9%
45.7%	4	4	0	-3.1%
46.9%	4	4	0	-2.6%
48.1%	4	4	0	-2.3%
49.4%	4	4	0	-2.0%
50.6%	4	3	0	-5.1%
51.9%	4	3	0	-8.0%
53.1%	4	3	0	-8.7%
54.3%	4	3	0	-9.7%
55.6%	4	3	0	-9.2%
56.8%	3	3	0	-8.7%
58.0%	3	3	0	-9.8%
59.3%	3	3	0	-10.5%
60.5%	3	3	0	-8.9%
61.7%	3	3	0	-11.1%
63.0%	3	3	0	-11.7%
64.2%	3	3	0	-10.1%
65.4%	3	3	0	-9.9%
66.7%	3	3	0	-9.8%
67.9%	3	3	0	-8.8%
69.1%	3	3	0	-9.2%
70.4%	3	3	0	-9.1%
71.6%	3	3	0	-9.3%
72.8%	3	3	0	-8.3%
74.1%	3	3	0	-8.6%
75.3%	3	3	0	-8.9%
76.5%	3	3	0	-9.2%
77.8%	3	3	0	-8.9%
79.0%	3	3	0	-8.1%
80.2%	3	3	0	-8.7%
81.5%	3	3	0	-8.7%
82.7%	3	3	0	-8.2%
84.0%	3	3	0	-7.2%
85.2%	3	3	0	-6.4%
86.4%	3	3	0	-8.5%
87.7%	3	3	0	-9.0%
88.9%	3	2	0	-10.2%
90.1%	3	2	0	-9.9%
91.4%	3	2	0	-7.8%
92.6%	3	2	0	-11.7%
93.8%	3	2	0	-15.0%
95.1%	3	2	0	-15.8%
96.3%	2	2	0	-10.9%
97.5%	2	2	0	-11.4%
98.8%	2	2	0	-6.9%
100.0%	2	2	0	-5.7%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	8	8	0	0.0%
2.5%	8	8	0	0.0%
3.7%	8	8	0	0.0%
4.9%	8	8	0	0.0%
6.2%	8	8	0	0.0%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	1.7%
9.9%	6	6	0	-0.6%
11.1%	6	6	0	-3.0%
12.3%	6	5	0	-5.5%
13.6%	5	5	0	-1.8%
14.8%	5	5	0	0.0%
16.0%	5	5	0	-1.1%
17.3%	5	5	0	-0.7%
18.5%	5	5	0	-2.9%
19.8%	5	5	0	-2.0%
21.0%	5	5	0	-0.9%
22.2%	5	5	0	-0.1%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	-1.0%
25.9%	5	5	0	-0.1%
27.2%	5	4	0	-5.8%
28.4%	5	4	0	-6.6%
29.6%	4	4	0	-7.3%
30.9%	4	4	0	-7.2%
32.1%	4	4	0	-6.7%
33.3%	4	4	0	-7.9%
34.6%	4	4	0	-10.5%
35.8%	4	4	0	-10.2%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-6.9%
39.5%	4	4	0	-6.9%
40.7%	4	4	0	-7.4%
42.0%	4	4	0	-7.0%
43.2%	4	4	0	-5.0%
44.4%	4	4	0	-4.7%
45.7%	4	4	0	-5.4%
46.9%	4	4	0	-6.0%
48.1%	4	4	0	-6.2%
49.4%	4	4	0	-5.3%
50.6%	4	4	0	-5.0%
51.9%	4	4	0	-5.3%
53.1%	4	4	0	-3.9%
54.3%	4	4	0	-3.3%
55.6%	4	4	0	-3.5%
56.8%	4	3	0	-2.0%
58.0%	4	3	0	-1.9%
59.3%	3	3	0	-1.7%
60.5%	3	3	0	-1.6%
61.7%	3	3	0	-0.8%
63.0%	3	3	0	0.4%
64.2%	3	3	0	0.5%
65.4%	3	3	0	0.3%
66.7%	3	3	0	0.5%
67.9%	3	3	0	-0.1%
69.1%	3	3	0	0.1%
70.4%	3	3	0	-1.5%
71.6%	3	3	0	-0.6%
72.8%	3	3	0	-1.2%
74.1%	3	3	0	-1.7%
75.3%	3	3	0	-1.0%
76.5%	3	3	0	-1.2%
77.8%	3	3	0	-0.7%
79.0%	3	3	0	-1.1%
80.2%	3	3	0	-3.2%
81.5%	3	3	0	-4.3%
82.7%	3	3	0	-4.5%
84.0%	3	3	0	-4.9%
85.2%	3	3	0	-6.7%
86.4%	3	3	0	-5.9%
87.7%	3	3	0	-2.6%
88.9%	3	3	0	-3.8%
90.1%	3	3	0	-4.7%
91.4%	3	3	0	-5.7%
92.6%	3	3	0	-2.7%
93.8%	3	3	0	-4.9%
95.1%	3	3	0	-6.2%
96.3%	3	3	0	-7.7%
97.5%	3	2	0	-10.8%
98.8%	3	2	0	-12.5%
100.0%	2	2	0	-15.2%

Table SW-53-3b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	8	8	0	0.0%
2.5%	7	7	0	-0.6%
3.7%	7	7	0	-2.0%
4.9%	7	6	0	-2.5%
6.2%	6	6	0	-5.9%
7.4%	6	6	0	-2.7%
8.6%	6	6	0	-6.4%
9.9%	6	6	0	-4.4%
11.1%	6	6	0	-3.0%
12.3%	6	6	0	-3.8%
13.6%	6	6	0	-3.2%
14.8%	6	6	0	-2.3%
16.0%	6	5	0	-2.8%
17.3%	6	5	0	-4.2%
18.5%	6	5	0	-3.5%
19.8%	6	5	0	-4.4%
21.0%	5	5	0	-3.6%
22.2%	5	5	0	-4.4%
23.5%	5	5	0	-3.6%
24.7%	5	5	0	-3.5%
25.9%	5	5	0	-5.4%
27.2%	5	5	0	-5.3%
28.4%	5	5	0	-5.3%
29.6%	5	5	0	-5.4%
30.9%	5	5	0	-4.4%
32.1%	5	5	0	-3.6%
33.3%	5	5	0	-4.4%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-3.7%
37.0%	5	5	0	-3.7%
38.3%	5	5	0	-5.3%
39.5%	5	5	0	-5.4%
40.7%	5	5	0	-5.3%
42.0%	5	5	0	-6.5%
43.2%	5	5	0	-6.5%
44.4%	5	5	0	-6.5%
45.7%	5	5	0	-5.9%
46.9%	5	5	0	-6.6%
48.1%	5	5	0	-5.6%
49.4%	5	5	0	-5.6%
50.6%	5	5	0	-5.4%
51.9%	5	5	0	-5.5%
53.1%	5	5	0	-5.5%
54.3%	5	5	0	-5.5%
55.6%	5	5	0	-5.5%
56.8%	5	5	0	-4.8%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-4.9%
60.5%	5	5	0	-4.9%
61.7%	5	5	0	-5.0%
63.0%	5	5	0	-5.0%
64.2%	5	5	0	-5.8%
65.4%	5	5	0	-6.5%
66.7%	5	5	0	-6.5%
67.9%	5	5	0	-6.7%
69.1%	5	5	0	-4.9%
70.4%	5	4	0	-5.9%
71.6%	5	4	0	-5.9%
72.8%	5	4	0	-5.2%
74.1%	5	4	0	-3.8%
75.3%	5	4	0	-3.9%
76.5%	5	4	0	-3.8%
77.8%	5	4	0	-3.1%
79.0%	5	4	0	-3.1%
80.2%	5	4	0	-2.8%
81.5%	4	4	0	-1.8%
82.7%	4	4	0	-1.7%
84.0%	4	4	0	-1.9%
85.2%	4	4	0	-1.1%
86.4%	4	4	0	-1.7%
87.7%	4	4	0	-1.4%
88.9%	4	4	0	-3.3%
90.1%	4	4	0	-4.1%
91.4%	4	4	0	-2.9%
92.6%	4	4	0	-4.0%
93.8%	4	4	0	-4.2%
95.1%	4	4	0	-5.1%
96.3%	4	4	0	-8.6%
97.5%	4	4	0	3.0%
98.8%	3	4	0	7.5%
100.0%	3	4	0	6.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.1%
3.7%	7	7	0	4.8%
4.9%	7	7	0	3.1%
6.2%	7	7	0	3.2%
7.4%	7	7	0	2.0%
8.6%	7	7	0	0.7%
9.9%	7	7	0	0.1%
11.1%	7	7	0	-0.5%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	-0.1%
24.7%	7	6	0	-0.6%
25.9%	6	6	0	0.0%
27.2%	6	6	0	-1.2%
28.4%	6	6	0	-0.7%
29.6%	6	6	0	-1.9%
30.9%	6	6	0	-2.1%
32.1%	6	6	0	-0.9%
33.3%	6	6	0	-2.1%
34.6%	6	6	0	-2.1%
35.8%	6	6	0	-2.0%
37.0%	6	6	0	-1.5%
38.3%	6	6	0	-1.2%
39.5%	6	6	0	-1.2%
40.7%	6	6	0	-3.2%
42.0%	6	6	0	-3.4%
43.2%	6	6	0	-3.0%
44.4%	6	6	0	-0.9%
45.7%	6	6	0	-1.5%
46.9%	6	6	0	-2.2%
48.1%	6	6	0	-2.1%
49.4%	6	6	0	-4.3%
50.6%	6	6	0	-3.9%
51.9%	6	6	0	-4.4%
53.1%	6	6	0	-4.5%
54.3%	6	6	0	-4.7%
55.6%	6	6	0	-4.0%
56.8%	6	6	0	-4.0%
58.0%	6	6	0	-4.0%
59.3%	6	6	0	-3.4%
60.5%	6	5	0	-4.2%
61.7%	6	5	0	-4.9%
63.0%	6	5	0	-3.3%
64.2%	6	5	0	-2.7%
65.4%	6	5	0	-3.5%
66.7%	6	5	0	-2.7%
67.9%	5	5	0	-1.0%
69.1%	5	5	0	-1.6%
70.4%	5	5	0	-1.6%
71.6%	5	5	0	-2.6%
72.8%	5	5	0	-2.7%
74.1%	5	5	0	-2.0%
75.3%	5	5	0	-2.6%
76.5%	5	5	0	-2.7%
77.8%	5	5	0	-3.5%
79.0%	5	5	0	-1.7%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-2.9%
82.7%	5	5	0	-1.0%
84.0%	5	5	0	1.7%
85.2%	5	5	0	2.7%
86.4%	5	5	0	2.1%
87.7%	5	5	0	2.1%
88.9%	5	5	0	2.8%
90.1%	5	5	0	5.1%
91.4%	5	5	0	0.9%
92.6%	5	5	0	-1.3%
93.8%	5	5	0	-2.1%
95.1%	5	5	0	-2.7%
96.3%	5	5	0	-1.9%
97.5%	4	4	0	-2.8%
98.8%	4	4	0	-0.8%
100.0%	4	4	0	4.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	0.0%
2.5%	6	6	0	-1.3%
3.7%	6	6	0	-2.8%
4.9%	6	6	0	-3.5%
6.2%	6	6	0	-4.2%
7.4%	6	6	0	-5.9%
8.6%	6	6	0	-4.5%
9.9%	6	5	0	-1.8%
11.1%	6	5	0	-1.9%
12.3%	5	5	0	-2.6%
13.6%	5	5	0	-2.8%
14.8%	5	5	0	-2.6%
16.0%	5	5	0	-2.8%
17.3%	5	5	0	-2.7%
18.5%	5	5	0	-4.6%
19.8%	5	5	0	-4.4%
21.0%	5	5	0	-3.8%
22.2%	5	5	0	-3.7%
23.5%	5	5	0	-2.9%
24.7%	5	5	0	-2.5%
25.9%	5	5	0	-2.6%
27.2%	5	5	0	-1.7%
28.4%	5	5	0	-0.8%
29.6%	5	5	0	-2.8%
30.9%	5	5	0	-5.0%
32.1%	5	5	0	-5.7%
33.3%	5	5	0	-4.6%
34.6%	5	5	0	-4.6%
35.8%	5	5	0	-4.9%
37.0%	5	5	0	-4.9%
38.3%	5	5	0	-4.8%
39.5%	5	5	0	-4.8%
40.7%	5	5	0	-4.8%
42.0%	5	4	0	-5.8%
43.2%	5	4	0	-5.3%
44.4%	5	4	0	-6.0%
45.7%	5	4	0	-6.0%
46.9%	5	4	0	-5.9%
48.1%	5	4	0	-4.8%
49.4%	5	4	0	-4.9%
50.6%	5	4	0	-5.8%
51.9%	5	4	0	-5.8%
53.1%	5	4	0	-5.1%
54.3%	5	4	0	-4.1%
55.6%	5	4	0	-4.1%
56.8%	4	4	0	-3.7%
58.0%	4	4	0	-4.0%
59.3%	4	4	0	-4.2%
60.5%	4	4	0	-3.4%
61.7%	4	4	0	-3.8%
63.0%	4	4	0	-3.4%
64.2%	4	4	0	-3.5%
65.4%	4	4	0	-2.5%
66.7%	4	4	0	-2.0%
67.9%	4	4	0	-1.3%
69.1%	4	4	0	-1.5%
70.4%	4	4	0	-1.3%
71.6%	4	4	0	-1.3%
72.8%	4	4	0	-1.0%
74.1%	4	4	0	-0.1%
75.3%	4	4	0	0.4%
76.5%	4	4	0	0.7%
77.8%	4	4	0	2.2%
79.0%	4	4	0	2.1%
80.2%	4	4	0	2.0%
81.5%	4	4	0	4.1%
82.7%	4	4	0	3.3%
84.0%	4	4	0	4.1%
85.2%	4	4	0	3.8%
86.4%	4	4	0	3.7%
87.7%	4	4	0	3.4%
88.9%	4	4	0	4.5%
90.1%	4	4	0	4.4%
91.4%	4	4	0	2.1%
92.6%	4	4	0	3.9%
93.8%	4	4	0	2.4%
95.1%	4	4	0	1.3%
96.3%	4	3	0	-3.9%
97.5%	3	3	0	-1.8%
98.8%	3	3	0	3.9%
100.0%	3	3	0	-0.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.8%
1.2%	7	6	0	-3.9%
2.5%	7	6	0	-3.3%
3.7%	7	6	0	-6.5%
4.9%	7	6	-1	-7.7%
6.2%	6	6	0	-5.7%
7.4%	6	6	0	-0.5%
8.6%	6	6	0	-1.4%
9.9%	6	6	0	0.0%
11.1%	6	6	0	-0.7%
12.3%	6	6	0	-0.7%
13.6%	6	6	0	-3.2%
14.8%	6	5	0	-5.5%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-2.8%
18.5%	6	5	0	-5.4%
19.8%	5	5	0	-4.4%
21.0%	5	5	0	-8.6%
22.2%	5	5	0	-5.3%
23.5%	5	5	0	-5.5%
24.7%	5	5	0	-3.4%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	0.7%
28.4%	5	5	0	-2.1%
29.6%	5	4	0	-4.9%
30.9%	4	4	0	-3.4%
32.1%	4	4	0	-4.2%
33.3%	4	4	0	-9.1%
34.6%	4	4	0	-9.6%
35.8%	4	4	-1	-13.3%
37.0%	4	3	0	-11.4%
38.3%	4	3	-1	-14.7%
39.5%	4	3	-1	-18.0%
40.7%	3	3	0	-11.6%
42.0%	3	3	0	-11.0%
43.2%	3	3	0	-6.2%
44.4%	3	3	0	-6.1%
45.7%	3	3	0	-6.4%
46.9%	3	3	0	-7.0%
48.1%	3	3	0	-7.0%
49.4%	3	3	0	-5.1%
50.6%	3	3	0	-5.9%
51.9%	3	3	0	-6.3%
53.1%	3	3	0	-4.8%
54.3%	3	3	0	-1.4%
55.6%	3	3	0	-1.0%
56.8%	3	3	0	-1.9%
58.0%	3	3	0	-2.2%
59.3%	3	3	0	-0.8%
60.5%	3	2	0	-2.0%
61.7%	2	2	0	-1.5%
63.0%	2	2	0	-2.1%
64.2%	2	2	0	-1.9%
65.4%	2	2	0	-1.6%
66.7%	2	2	0	-1.8%
67.9%	2	2	0	-3.1%
69.1%	2	2	0	-2.7%
70.4%	2	2	0	-3.5%
71.6%	2	2	0	-0.5%
72.8%	2	2	0	-0.3%
74.1%	2	2	0	-0.1%
75.3%	2	2	0	0.2%
76.5%	2	2	0	0.2%
77.8%	2	2	0	0.0%
79.0%	2	2	0	0.7%
80.2%	2	2	0	1.2%
81.5%	2	2	0	-0.8%
82.7%	2	2	0	0.7%
84.0%	2	2	0	1.6%
85.2%	2	2	0	3.3%
86.4%	2	2	0	3.5%
87.7%	2	2	0	4.2%
88.9%	2	2	0	6.1%
90.1%	2	2	0	7.7%
91.4%	2	2	0	5.5%
92.6%	2	2	0	10.9%
93.8%	2	2	0	3.8%
95.1%	2	2	0	4.0%
96.3%	2	2	0	3.3%
97.5%	2	2	0	3.3%
98.8%	2	2	0	3.1%
100.0%	2	2	0	6.5%

Table SW-54-3a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative A	30	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.1%	0.0%	-0.1%	-0.7%	-0.7%	-1.2%	-0.5%	-0.2%	0.7%	1.1%	-0.1%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative A	30	31	31	35	35	34	32	31	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-0.5%	-0.1%	-0.6%	-0.5%	-0.3%	-0.1%	0.0%	1.0%	0.9%	-0.2%	-0.2%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative A	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.2%	-1.4%	-0.9%	-1.1%	-0.4%	-0.1%	0.7%	1.4%	-0.3%	-0.7%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative A	29	30	31	30	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.5%	0.4%	0.0%	-1.1%	-0.8%	-1.9%	-0.4%	-0.2%	0.2%	1.4%	-0.2%	0.2%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative A	29	30	31	30	30	30	29	29	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.5%	0.2%	0.1%	-0.2%	-0.7%	-1.9%	-1.3%	-0.6%	0.6%	1.2%	-0.2%	-0.2%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative A	29	29	29	30	30	29	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.5%	-0.3%	-0.7%	-1.1%	-0.4%	-0.1%	0.7%	0.6%	0.8%	0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

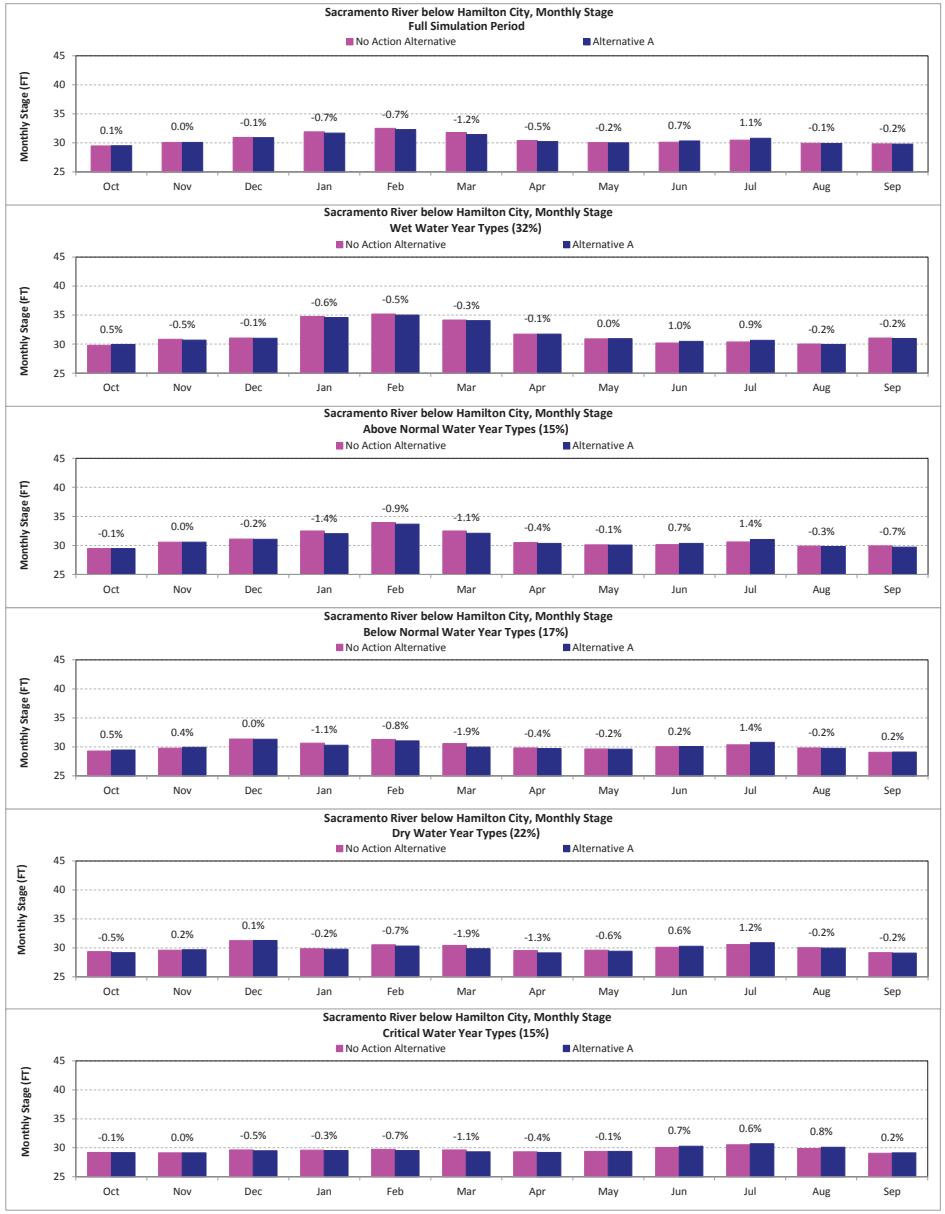

Figure SW-54-3b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

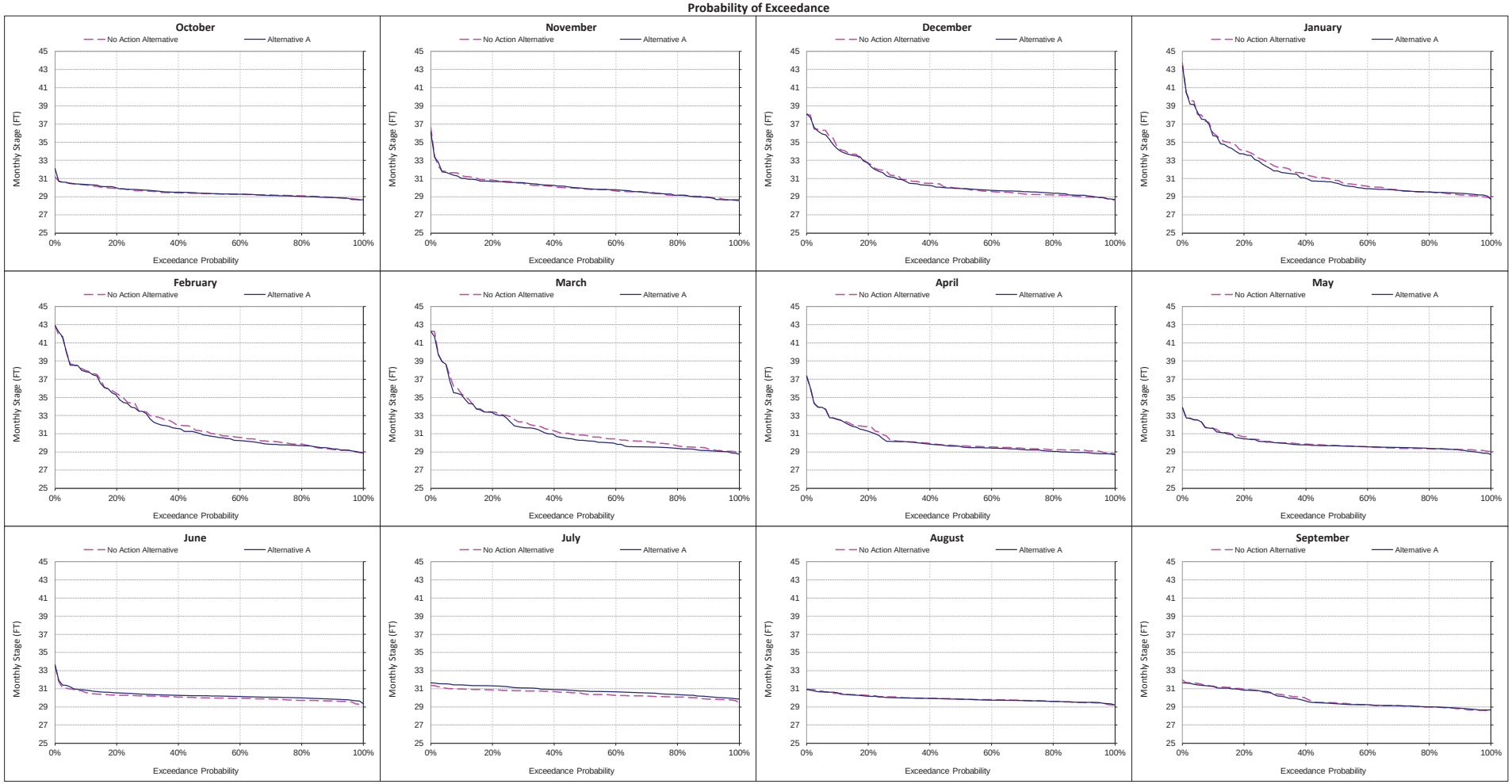

Table SW-54-3b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	3.0%
1.2%	31	31	0	-0.1%
2.5%	31	31	0	0.2%
3.7%	31	31	0	0.3%
4.9%	31	30	0	-0.2%
6.2%	30	30	0	-0.1%
7.4%	30	30	0	0.2%
8.6%	30	30	0	0.2%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.2%
12.3%	30	30	0	0.4%
13.6%	30	30	0	0.5%
14.8%	30	30	0	0.2%
16.0%	30	30	0	0.3%
17.3%	30	30	0	0.5%
18.5%	30	30	0	0.6%
19.8%	30	30	0	0.3%
21.0%	30	30	0	-0.1%
22.2%	30	30	0	-0.1%
23.5%	30	30	0	0.1%
24.7%	30	30	0	0.1%
25.9%	30	30	0	0.4%
27.2%	30	30	0	0.4%
28.4%	30	30	0	0.3%
29.6%	30	30	0	0.2%
30.9%	30	30	0	0.3%
32.1%	30	30	0	0.3%
33.3%	30	30	0	0.3%
34.6%	29	30	0	0.2%
35.8%	29	30	0	0.2%
37.0%	29	30	0	0.2%
38.3%	29	29	0	0.2%
39.5%	29	29	0	0.2%
40.7%	29	29	0	0.2%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.2%
44.4%	29	29	0	0.1%
45.7%	29	29	0	0.2%
46.9%	29	29	0	0.1%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.1%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.1%
54.3%	29	29	0	0.0%
55.6%	29	29	0	0.0%
56.8%	29	29	0	0.1%
58.0%	29	29	0	0.1%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.1%
61.7%	29	29	0	0.1%
63.0%	29	29	0	0.1%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	-0.2%
67.9%	29	29	0	-0.2%
69.1%	29	29	0	-0.2%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	-0.1%
75.3%	29	29	0	-0.1%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.2%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	0.0%
90.1%	29	29	0	-0.1%
91.4%	29	29	0	0.0%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.1%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.3%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	0	-1.3%
1.2%	33	33	0	-0.2%
2.5%	32	33	0	1.3%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.4%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-0.8%
8.6%	32	31	0	-1.0%
9.9%	31	31	0	-1.0%
11.1%	31	31	0	-0.6%
12.3%	31	31	0	-0.8%
13.6%	31	31	0	-0.7%
14.8%	31	31	0	-0.7%
16.0%	31	31	0	-0.5%
17.3%	31	31	0	-0.5%
18.5%	31	31	0	-0.4%
19.8%	31	31	0	-0.5%
21.0%	31	31	0	-0.3%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	-0.3%
25.9%	31	31	0	-0.3%
27.2%	31	31	0	0.0%
28.4%	31	31	0	0.2%
29.6%	31	31	0	0.2%
30.9%	30	30	0	0.4%
32.1%	30	30	0	0.5%
33.3%	30	30	0	0.5%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.3%
37.0%	30	30	0	0.3%
38.3%	30	30	0	0.3%
39.5%	30	30	0	0.3%
40.7%	30	30	0	0.6%
42.0%	30	30	0	0.5%
43.2%	30	30	0	0.5%
44.4%	30	30	0	0.4%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.2%
48.1%	30	30	0	0.2%
49.4%	30	30	0	0.2%
50.6%	30	30	0	0.2%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.0%
55.6%	30	30	0	0.1%
56.8%	30	30	0	0.1%
58.0%	30	30	0	0.2%
59.3%	30	30	0	0.4%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.5%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.1%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	29	0	-0.2%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.3%
72.8%	29	29	0	-0.2%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.4%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.1%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.2%
87.7%	29	29	0	-0.2%
88.9%	29	29	0	-0.3%
90.1%	29	29	0	-0.1%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.6%
2.5%	36	37	0	0.6%
3.7%	36	36	0	-0.5%
4.9%	36	36	0	-1.0%
6.2%	36	36	0	-1.3%
7.4%	36	35	0	-0.9%
8.6%	35	35	-1	-2.0%
9.9%	35	34	0	-0.7%
11.1%	34	34	0	-0.5%
12.3%	34	34	0	-0.8%
13.6%	34	34	0	-0.3%
14.8%	34	34	0	-0.4%
16.0%	34	33	0	-0.6%
17.3%	33	33	0	0.6%
18.5%	33	33	0	-0.5%
19.8%	33	33	0	0.2%
21.0%	33	32	0	-0.8%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-0.9%
25.9%	32	31	-1	-1.6%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.6%
29.6%	31	31	0	-1.3%
30.9%	31	31	0	0.0%
32.1%	31	31	0	-0.6%
33.3%	31	30	0	-0.9%
34.6%	31	30	0	-0.9%
35.8%	31	30	0	-1.0%
37.0%	31	30	0	-0.8%
38.3%	31	30	0	-0.8%
39.5%	30	30	0	-0.8%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-1.2%
43.2%	30	30	0	-1.2%
44.4%	30	30	0	-0.3%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.2%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.3%
56.8%	30	30	0	0.5%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.5%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.4%
66.7%	29	30	0	0.7%
67.9%	29	30	0	0.7%
69.1%	29	30	0	0.8%
70.4%	29	30	0	0.8%
71.6%	29	30	0	1.0%
72.8%	29	30	0	1.0%
74.1%	29	30	0	0.9%
75.3%	29	29	0	0.9%
76.5%	29	29	0	0.8%
77.8%	29	29	0	0.7%
79.0%	29	29	0	0.7%
80.2%	29	29	0	0.7%
81.5%	29	29	0	0.8%
82.7%	29	29	0	0.6%
84.0%	29	29	0	0.6%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	43	0	-0.7%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.6%
6.2%	38	38	0	-1.2%
7.4%	37	37	0	0.3%
8.6%	37	37	0	-0.6%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	0	-1.4%
13.6%	35	35	0	-1.0%
14.8%	35	34	-1	-1.5%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-2.0%
18.5%	34	34	0	-1.4%
19.8%	34	34	0	-1.1%
21.0%	34	34	0	-1.2%
22.2%	34	34	0	-0.8%
23.5%	34	33	-1	-1.5%
24.7%	33	33	0	-1.0%
25.9%	33	33	0	-1.5%
27.2%	33	32	-1	-1.6%
28.4%	33	32	-1	-1.7%
29.6%	32	32	-1	-1.7%
30.9%	32	32	0	-1.3%
32.1%	32	32	-1	-1.7%
33.3%	32	32	-1	-1.8%
34.6%	32	32	-1	-1.6%
35.8%	32	32	0	-0.5%
37.0%	32	31	0	-0.6%
38.3%	32	31	-1	-1.8%
39.5%	32	31	0	-1.4%
40.7%	31	31	0	-1.4%
42.0%	31	31	-1	-1.7%
43.2%	31	31	0	-1.3%
44.4%	31	31	0	-1.4%
45.7%	31	31	0	-1.3%
46.9%	31	31	0	-1.3%
48.1%	31	31	0	-0.9%
49.4%	31	31	0	-0.9%
50.6%	31	30	0	-1.1%
51.9%	31	30	0	-0.8%
53.1%	30	30	0	-0.8%
54.3%	30	30	0	-0.9%
55.6%	30	30	0	-0.9%
56.8%	30	30	0	-1.1%
58.0%	30	30	0	-0.9%
59.3%	30	30	0	-1.0%
60.5%	30	30	0	-0.8%
61.7%	30	30	0	-0.7%
63.0%	30	30	0	-0.8%
64.2%	30	30	0	-0.9%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.2%
72.8%	30	30	0	0.1%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.0%
79.0%	30	30	0	0.0%
80.2%	30	29	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.3%
88.9%	29	29	0	0.6%
90.1%	29	29	0	0.7%
91.4%	29	29	0	0.6%
92.6%	29	29	0	0.6%
93.8%	29	29	0	0.7%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-3b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

	February				March				April				May			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	0.0%	42	42	0	0.0%	37	37	0	0.0%	34	34	0	0.0%
1.2%	42	42	0	0.9%	42	42	-1	-1.3%	36	36	0	0.0%	33	33	0	-0.1%
2.5%	42	42	0	0.0%	40	40	0	0.0%	34	34	0	0.0%	33	33	0	0.0%
3.7%	40	40	0	0.0%	39	39	0	0.0%	34	34	0	0.0%	33	33	0	0.0%
4.9%	39	39	0	-0.4%	39	39	0	0.0%	34	34	0	0.0%	33	33	0	-0.1%
6.2%	39	39	0	-0.1%	37	37	-1	-1.5%	34	34	0	0.0%	32	32	0	-0.1%
7.4%	38	39	0	0.2%	36	36	-1	-1.9%	33	33	0	0.0%	32	32	0	0.1%
8.6%	38	38	0	-0.5%	36	35	-1	-1.6%	33	33	0	0.0%	32	32	0	-0.1%
9.9%	38	38	0	-0.4%	35	35	0	-0.4%	33	33	0	0.0%	32	32	0	-0.1%
11.1%	38	38	0	-0.2%	35	35	0	-0.7%	32	32	0	0.0%	31	31	0	-0.8%
12.3%	38	37	0	-0.4%	35	34	0	-1.4%	32	32	0	-0.5%	31	31	0	-0.2%
13.6%	38	37	0	-0.4%	34	34	0	0.2%	32	32	0	-0.7%	31	31	0	-0.2%
14.8%	37	37	0	-1.2%	34	34	0	0.0%	32	32	0	-0.6%	31	31	0	-0.5%
16.0%	36	36	0	0.0%	34	34	0	-0.4%	32	32	0	-0.5%	31	31	0	-0.2%
17.3%	36	36	0	0.0%	33	33	0	-0.1%	32	32	0	-1.1%	31	31	0	-1.1%
18.5%	36	35	0	-0.7%	33	33	0	-0.2%	32	31	0	-1.2%	31	31	0	-0.8%
19.8%	35	35	0	-0.6%	33	33	0	-0.1%	32	31	0	-1.5%	31	30	0	-0.8%
21.0%	35	35	0	-1.4%	33	33	0	-0.8%	32	31	-1	-1.8%	31	30	0	-0.8%
22.2%	35	34	0	-1.4%	33	33	0	-0.4%	31	31	0	-1.0%	30	30	0	-0.2%
23.5%	34	34	0	-0.4%	33	33	0	-0.2%	31	31	0	-1.2%	30	30	0	-0.1%
24.7%	34	34	0	-1.2%	33	33	0	-0.9%	31	30	0	-1.5%	30	30	0	-0.6%
25.9%	34	34	0	-1.4%	33	32	-1	-1.8%	31	30	-1	-1.9%	30	30	0	-0.3%
27.2%	34	33	0	-0.1%	33	32	-1	-2.1%	30	30	0	-0.5%	30	30	0	0.2%
28.4%	33	33	0	-0.1%	32	32	-1	-1.6%	30	30	0	-0.3%	30	30	0	0.2%
29.6%	33	33	0	-0.6%	32	32	-1	-1.8%	30	30	0	-0.2%	30	30	0	-0.2%
30.9%	33	33	0	-1.1%	32	32	-1	-1.9%	30	30	0	-0.1%	30	30	0	-0.1%
32.1%	33	32	-1	-1.9%	32	32	0	-1.1%	30	30	0	-0.1%	30	30	0	-0.1%
33.3%	33	32	-1	-2.3%	32	32	0	-1.0%	30	30	0	0.0%	30	30	0	-0.2%
34.6%	33	32	-1	-2.4%	32	31	0	-1.1%	30	30	0	-0.1%	30	30	0	-0.4%
35.8%	32	32	-1	-1.9%	32	31	-1	-1.6%	30	30	0	-0.1%	30	30	0	-0.5%
37.0%	32	32	-1	-2.0%	32	31	0	-1.4%	30	30	0	-0.3%	30	30	0	-0.3%
38.3%	32	32	-1	-1.8%	31	31	0	-1.5%	30	30	0	-0.3%	30	30	0	-0.3%
39.5%	32	32	0	-1.2%	31	31	0	-1.3%	30	30	0	-0.3%	30	30	0	-0.3%
40.7%	32	32	0	-1.2%	31	31	-1	-1.8%	30	30	0	-0.2%	30	30	0	-0.3%
42.0%	32	31	-1	-1.9%	31	31	0	-1.5%	30	30	0	-0.2%	30	30	0	-0.4%
43.2%	32	31	-1	-1.9%	31	31	-1	-1.6%	30	30	0	-0.1%	30	30	0	-0.4%
44.4%	32	31	-1	-1.6%	31	30	-1	-1.8%	30	30	0	-0.2%	30	30	0	-0.4%
45.7%	31	31	0	-0.7%	31	30	0	-1.6%	30	30	0	-0.3%	30	30	0	-0.3%
46.9%	31	31	0	-0.9%	31	30	-1	-1.8%	30	30	0	-0.3%	30	30	0	-0.1%
48.1%	31	31	0	-1.3%	31	30	-1	-1.9%	30	30	0	-0.2%	30	30	0	-0.1%
49.4%	31	31	0	-1.4%	31	30	-1	-1.9%	30	30	0	-0.2%	30	30	0	-0.1%
50.6%	31	31	0	-1.0%	31	30	-1	-1.9%	30	30	0	-0.5%	30	30	0	-0.1%
51.9%	31	31	0	-1.0%	31	30	0	-1.5%	30	30	0	-0.5%	30	30	0	0.0%
53.1%	31	31	0	-1.2%	31	30	0	-1.5%	30	29	0	-0.4%	30	30	0	-0.1%
54.3%	31	31	0	-0.7%	31	30	-1	-1.9%	30	29	0	-0.5%	30	30	0	-0.1%
55.6%	31	30	0	-0.9%	31	30	-1	-1.6%	30	29	0	-0.5%	30	30	0	-0.1%
56.8%	31	30	0	-0.9%	30	30	0	-1.5%	30	29	0	-0.4%	30	30	0	0.0%
58.0%	31	30	0	-1.3%	30	30	0	-1.4%	30	29	0	-0.3%	30	30	0	0.1%
59.3%	31	30	0	-1.2%	30	30	0	-1.5%	30	29	0	-0.4%	30	30	0	0.0%
60.5%	31	30	0	-1.2%	30	30	-1	-1.9%	30	29	0	-0.4%	30	30	0	0.1%
61.7%	30	30	0	-0.8%	30	30	0	-1.6%	30	29	0	-0.4%	30	30	0	0.1%
63.0%	30	30	0	-1.0%	30	30	-1	-2.2%	29	29	0	-0.4%	29	30	0	0.2%
64.2%	30	30	0	-1.0%	30	30	-1	-2.1%	29	29	0	-0.4%	29	30	0	0.1%
65.4%	30	30	0	-1.0%	30	30	-1	-2.1%	29	29	0	-0.5%	29	30	0	0.2%
66.7%	30	30	0	-0.8%	30	30	-1	-2.1%	29	29	0	-0.4%	29	30	0	0.2%
67.9%	30	30	0	-1.1%	30	30	-1	-2.1%	29	29	0	-0.4%	29	30	0	0.2%
69.1%	30	30	0	-1.0%	30	30	-1	-2.1%	29	29	0	-0.5%	29	29	0	0.3%
70.4%	30	30	0	-1.1%	30	30	-1	-1.9%	29	29	0	-0.5%	29	29	0	0.3%
71.6%	30	30	0	-1.1%	30	30	-1	-1.7%	29	29	0	-0.5%	29	29	0	0.3%
72.8%	30	30	0	-1.0%	30	30	-1	-1.7%	29	29	0	-0.4%	29	29	0	0.3%
74.1%	30	30	0	-0.8%	30	30	0	-1.4%	29	29	0	-0.4%	29	29	0	0.3%
75.3%	30	30	0	-0.7%	30	29	0	-1.5%	29	29	0	-0.4%	29	29	0	0.3%
76.5%	30	30	0	-0.4%	30	29	0	-1.4%	29	29	0	-0.6%	29	29	0	0.2%
77.8%	30	30	0	-0.4%	30	29	0	-1.4%	29	29	0	-0.6%	29	29	0	0.1%
79.0%	30	30	0	-0.6%	30	29	0	-1.1%	29	29	0	-0.6%	29	29	0	0.1%
80.2%	30	30	0	-0.6%	30	29	0	-1.0%	29	29	0	-0.7%	29	29	0	0.1%
81.5%	30	30	0	-0.3%	30	29	0	-0.8%	29	29	0	-0.7%	29	29	0	0.1%
82.7%	30	30	0	-0.1%	30	29	0	-0.8%	29	29	0	-0.8%	29	29	0	0.1%
84.0%	30	30	0	0.1%	30	29	0	-0.7%	29	29	0	-0.8%	29	29	0	0.1%
85.2%	29	30	0	0.3%	30	29	0	-0.8%	29	29	0	-0.9%	29	29	0	0.1%
86.4%	29	29	0	0.2%	30	29	0	-1.0%	29	29	0	-0.9%	29	29	0	0.1%
87.7%	29	29	0	0.4%	29	29	0	-1.1%	29	29	0	-0.9%	29	29	0	0.0%
88.9%	29	29	0	0.3%	29	29	0	-1.0%	29	29	0	-0.8%	29	29	0	0.0%
90.1%	29	29	0	0.2%	29	29	0	-0.5%	29	29	0	-0.9%	29	29	0	-0.3%
91.4%	29	29	0	0.4%	29	29	0	-0.6%	29	29	0	-0.7%	29	29	0	-0.3%
92.6%	29	29	0	0.1%	29	29	0	-0.3%	29	29	0	-0.9%	29	29	0	-0.6%
93.8%	29	29	0	0.1%	29	29	0	-0.3%	29	29	0	-0.9%	29	29	0	-0.6%
95.1%	29	29	0	0.1%	29	29	0	-0.1%	29	29	0	-0.9%	29	29	0	-0.7%
96.3%	29	29	0	0.0%	29	29	0	-0.2%	29	29	0	-0.5%	29	29	0	-0.8%
97.5%	29	29	0	0.2%	29	29	0	-0.7%	29	29	0	-0.4%	29	29	0	-1.0%
98.8%	29	29	0	-0.1%	29	29	0	-0.6%	29	29	0	-0.3%	29	29	0	-0.8%
100.0%	29	29	0	-0.2%	29	29	0	-0.5%	29	29	0	-0.5%	29	29	0	-1.2%

Table SW-54-3b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.4%
1.2%	32	32	0	0.5%
2.5%	31	31	0	1.0%
3.7%	31	31	0	1.0%
4.9%	31	31	0	0.7%
6.2%	31	31	0	0.2%
7.4%	31	31	0	0.5%
8.6%	31	31	0	0.4%
9.9%	31	31	0	0.9%
11.1%	31	31	0	0.8%
12.3%	30	31	0	1.0%
13.6%	30	31	0	0.9%
14.8%	30	31	0	0.9%
16.0%	30	31	0	0.7%
17.3%	30	31	0	0.9%
18.5%	30	31	0	0.9%
19.8%	30	31	0	0.8%
21.0%	30	31	0	0.8%
22.2%	30	31	0	0.7%
23.5%	30	30	0	0.7%
24.7%	30	30	0	0.7%
25.9%	30	30	0	0.6%
27.2%	30	30	0	0.7%
28.4%	30	30	0	0.6%
29.6%	30	30	0	0.6%
30.9%	30	30	0	0.6%
32.1%	30	30	0	0.6%
33.3%	30	30	0	0.6%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.5%
37.0%	30	30	0	0.5%
38.3%	30	30	0	0.6%
39.5%	30	30	0	0.6%
40.7%	30	30	0	0.6%
42.0%	30	30	0	0.7%
43.2%	30	30	0	0.7%
44.4%	30	30	0	0.7%
45.7%	30	30	0	0.7%
46.9%	30	30	0	0.7%
48.1%	30	30	0	0.8%
49.4%	30	30	0	0.8%
50.6%	30	30	0	0.8%
51.9%	30	30	0	0.8%
53.1%	30	30	0	0.7%
54.3%	30	30	0	0.8%
55.6%	30	30	0	0.7%
56.8%	30	30	0	0.7%
58.0%	30	30	0	0.7%
59.3%	30	30	0	0.7%
60.5%	30	30	0	0.7%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.6%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.7%
66.7%	30	30	0	0.7%
67.9%	30	30	0	0.7%
69.1%	30	30	0	0.6%
70.4%	30	30	0	0.6%
71.6%	30	30	0	0.7%
72.8%	30	30	0	0.7%
74.1%	30	30	0	0.7%
75.3%	30	30	0	0.9%
76.5%	30	30	0	0.9%
77.8%	30	30	0	0.9%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.9%
81.5%	30	30	0	0.8%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.8%
85.2%	30	30	0	0.8%
86.4%	30	30	0	0.7%
87.7%	30	30	0	0.7%
88.9%	30	30	0	0.7%
90.1%	30	30	0	0.7%
91.4%	30	30	0	0.7%
92.6%	30	30	0	0.6%
93.8%	30	30	0	0.6%
95.1%	30	30	0	0.6%
96.3%	30	30	0	0.7%
97.5%	29	30	0	1.2%
98.8%	29	30	0	1.2%
100.0%	29	29	0	0.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	0	0.9%
1.2%	31	32	0	0.8%
2.5%	31	32	0	1.0%
3.7%	31	32	0	1.2%
4.9%	31	32	0	1.5%
6.2%	31	32	1	1.6%
7.4%	31	31	0	1.4%
8.6%	31	31	0	1.5%
9.9%	31	31	0	1.5%
11.1%	31	31	0	1.4%
12.3%	31	31	0	1.4%
13.6%	31	31	0	1.4%
14.8%	31	31	0	1.4%
16.0%	31	31	0	1.4%
17.3%	31	31	0	1.4%
18.5%	31	31	0	1.4%
19.8%	31	31	0	1.5%
21.0%	31	31	0	1.5%
22.2%	31	31	0	1.4%
23.5%	31	31	0	1.5%
24.7%	31	31	0	1.4%
25.9%	31	31	0	1.1%
27.2%	31	31	0	1.0%
28.4%	31	31	0	1.1%
29.6%	31	31	0	1.0%
30.9%	31	31	0	1.1%
32.1%	31	31	0	1.0%
33.3%	31	31	0	1.0%
34.6%	31	31	0	0.9%
35.8%	31	31	0	0.7%
37.0%	31	31	0	0.7%
38.3%	31	31	0	0.7%
39.5%	31	31	0	0.8%
40.7%	31	31	0	0.8%
42.0%	31	31	0	0.9%
43.2%	31	31	0	0.8%
44.4%	31	31	0	0.8%
45.7%	31	31	0	0.9%
46.9%	31	31	0	0.7%
48.1%	31	31	0	0.7%
49.4%	30	31	0	1.0%
50.6%	30	31	0	1.1%
51.9%	30	31	0	1.1%
53.1%	30	31	0	1.1%
54.3%	30	31	0	1.1%
55.6%	30	31	0	1.1%
56.8%	30	31	0	1.1%
58.0%	30	31	0	1.2%
59.3%	30	31	0	1.3%
60.5%	30	31	0	1.2%
61.7%	30	31	0	1.2%
63.0%	30	31	0	1.2%
64.2%	30	31	0	1.3%
65.4%	30	31	0	1.2%
66.7%	30	31	0	1.2%
67.9%	30	31	0	1.2%
69.1%	30	31	0	1.1%
70.4%	30	31	0	1.1%
71.6%	30	31	0	1.2%
72.8%	30	31	0	1.2%
74.1%	30	30	0	1.0%
75.3%	30	30	0	1.0%
76.5%	30	30	0	0.9%
77.8%	30	30	0	0.9%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.9%
81.5%	30	30	0	0.8%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.9%
85.2%	30	30	0	0.9%
86.4%	30	30	0	0.7%
87.7%	30	30	0	0.9%
88.9%	30	30	0	0.9%
90.1%	30	30	0	0.9%
91.4%	30	30	0	0.9%
92.6%	30	30	0	0.8%
93.8%	30	30	0	0.7%
95.1%	30	30	0	0.7%
96.3%	30	30	0	0.6%
97.5%	30	30	0	0.6%
98.8%	30	30	0	0.6%
100.0%	29	30	0	1.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	-0.1%
1.2%	31	31	0	-0.2%
2.5%	31	31	0	-0.5%
3.7%	31	31	0	-0.3%
4.9%	31	31	0	-0.4%
6.2%	31	31	0	0.0%
7.4%	31	31	0	0.1%
8.6%	31	31	0	0.3%
9.9%	30	31	0	0.2%
11.1%	30	30	0	-0.4%
12.3%	30	30	0	-0.1%
13.6%	30	30	0	0.0%
14.8%	30	30	0	-0.2%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.2%
18.5%	30	30	0	-0.4%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.2%
22.2%	30	30	0	-0.2%
23.5%	30	30	0	-0.2%
24.7%	30	30	0	-0.2%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.1%
34.6%	30	30	0	0.0%
35.8%	30	30	0	0.0%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.0%
42.0%	30	30	0	0.0%
43.2%	30	30	0	0.0%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	-0.1%
48.1%	30	30	0	-0.1%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	-0.1%
51.9%	30	30	0	-0.1%
53.1%	30	30	0	-0.1%
54.3%	30	30	0	-0.1%
55.6%	30	30	0	-0.1%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.2%
59.3%	30	30	0	-0.2%
60.5%	30	30	0	-0.2%
61.7%	30	30	0	-0.2%
63.0%	30	30	0	-0.2%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	-0.1%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.1%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.0%
72.8%	30	30	0	-0.1%
74.1%	30	30	0	-0.1%
75.3%	30	30	0	-0.1%
76.5%	30	30	0	-0.1%
77.8%	30	30	0	-0.1%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	30	30	0	0.0%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.0%
87.7%	30	30	0	0.1%
88.9%	29	30	0	0.0%
90.1%	29	30	0	0.1%
91.4%	29	30	0	0.1%
92.6%	29	30	0	0.1%
93.8%	29	30	0	0.2%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.4%
100.0%	29	29	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-1.0%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.1%
3.7%	32	31	0	-0.5%
4.9%	32	31	0	-0.5%
6.2%	32	31	0	-0.4%
7.4%	31	31	0	-0.1%
8.6%	31	31	0	-0.1%
9.9%	31	31	0	0.1%
11.1%	31	31	0	-0.3%
12.3%	31	31	0	-0.4%
13.6%	31	31	0	-0.4%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.4%
17.3%	31	31	0	-0.1%
18.5%	31	31	0	-0.3%
19.8%	31	31	0	-0.5%
21.0%	31	31	0	-0.4%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	0.1%
25.9%	31	31	0	0.1%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.7%
32.1%	30	30	0	-0.6%
33.3%	30	30	0	-0.6%
34.6%	30	30	0	-0.9%
35.8%	30	30	0	-0.6%
37.0%	30	30	0	-0.7%
38.3%	30	30	0	-0.9%
39.5%	30	30	0	-1.0%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-0.5%
43.2%	30	29	0	-0.1%
44.4%	29	29	0	-0.1%
45.7%	29	29	0	-0.2%
46.9%	29	29	0	-0.3%
48.1%	29	29	0	-0.2%
49.4%	29	29	0	-0.4%
50.6%	29	29	0	-0.2%
51.9%	29	29	0	-0.3%
53.1%	29	29	0	-0.3%
54.3%	29	29	0	-0.2%
55.6%	29	29	0	-0.1%
56.8%	29	29	0	-0.1%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.0%
61.7%	29	29	0	0.0%
63.0%	29	29	0	0.0%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	-0.1%
67.9%	29	29	0	-0.1%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.1%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.1%
77.8%	29	29	0	0.1%
79.0%	29	29	0	0.1%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.1%
84.0%	29	29	0	0.0%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.1%
87.7%	29	29	0	0.1%
88.9%	29	29	0	0.3%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.1%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.3%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.1%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

Table SW-56-3a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative A	30	32	34	36	37	36	32	30	29	32	30	32
Difference	1	1	0	-1	-1	-1	0	0	0	2	1	1
Percent Difference[3]	3.5%	2.4%	-0.1%	-2.0%	-1.8%	-3.0%	-0.4%	0.3%	1.5%	5.4%	2.7%	3.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative A	32	35	35	41	42	41	36	34	30	31	29	36
Difference	2	1	0	0	0	0	0	0	1	1	0	1
Percent Difference	5.0%	1.6%	-0.1%	-1.0%	-0.8%	-0.5%	-0.1%	0.2%	1.7%	4.7%	0.5%	2.6%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative A	30	34	35	38	41	39	33	30	29	33	29	32
Difference	1	1	0	-1	-1	-1	0	0	0	2	0	1
Percent Difference	3.1%	4.1%	-0.5%	-2.2%	-2.2%	-2.1%	-0.6%	-0.6%	0.7%	7.5%	1.6%	1.8%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative A	30	32	36	34	37	33	30	28	29	32	29	29
Difference	1	1	0	-2	-1	-2	0	0	0	3	1	1
Percent Difference	4.6%	3.1%	0.6%	-5.3%	-1.8%	-6.5%	-0.8%	-0.7%	1.2%	9.0%	2.7%	3.8%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative A	29	31	35	32	34	33	28	28	29	32	30	29
Difference	0	1	0	0	-1	-2	0	0	1	2	1	1
Percent Difference	1.5%	2.8%	0.3%	-1.4%	-2.6%	-5.3%	-0.8%	1.5%	2.2%	5.1%	4.0%	3.6%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative A	29	28	31	31	31	31	27	27	29	31	31	29
Difference	1	0	0	0	-1	-1	0	0	0	0	2	1
Percent Difference	2.2%	1.3%	-1.5%	-1.6%	-2.7%	-2.9%	0.5%	1.0%	1.4%	1.5%	6.3%	4.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

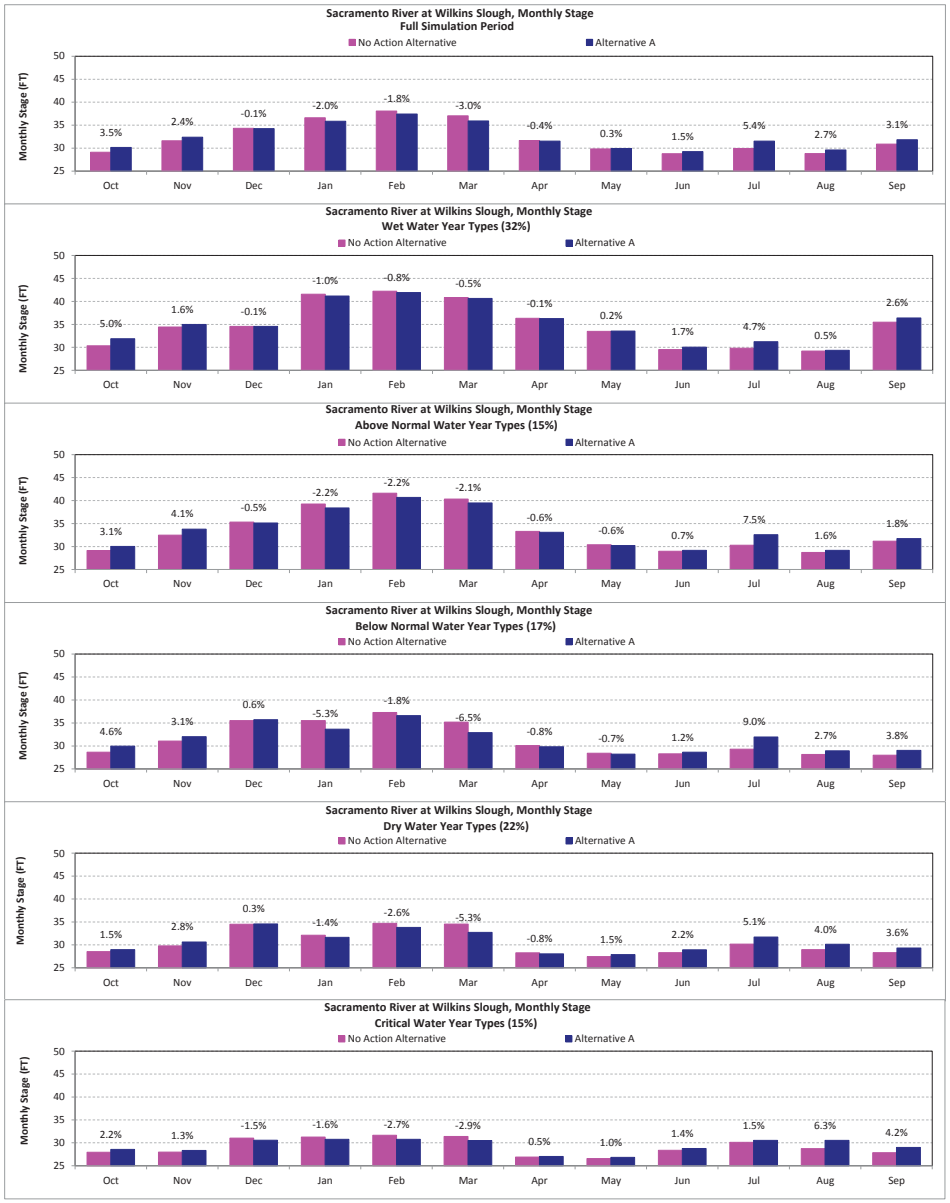

Figure SW-56-3b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

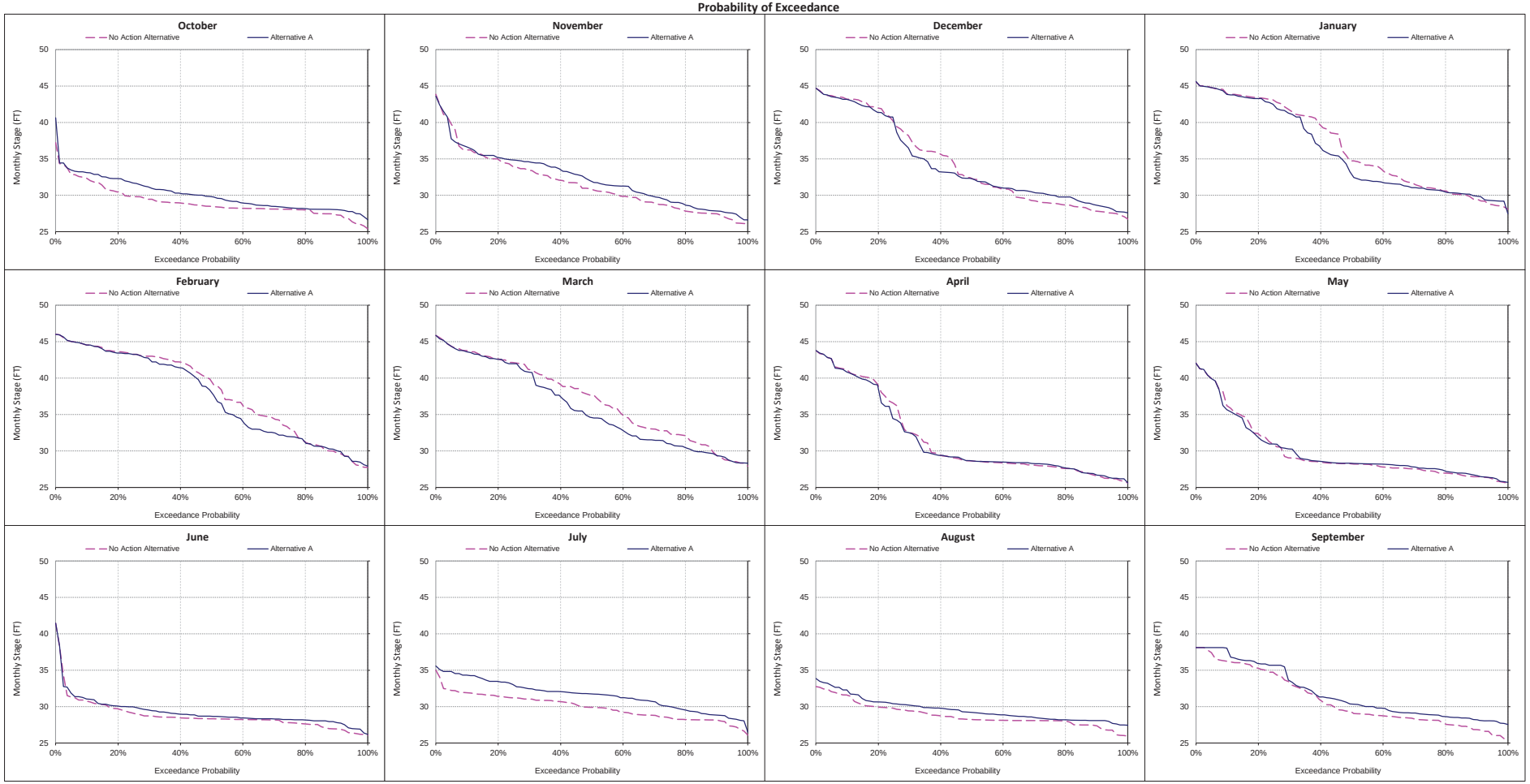

Table SW-56-3b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	41	3	9.2%
1.2%	34	34	0	0.3%
2.5%	34	34	0	0.5%
3.7%	34	34	0	0.0%
4.9%	33	33	1	1.8%
6.2%	33	33	0	1.4%
7.4%	33	33	1	2.0%
8.6%	32	33	1	2.2%
9.9%	32	33	1	2.3%
11.1%	32	33	1	3.4%
12.3%	32	33	1	3.4%
13.6%	32	33	1	3.4%
14.8%	31	33	1	3.6%
16.0%	31	32	2	5.4%
17.3%	31	32	2	5.3%
18.5%	31	32	2	5.6%
19.8%	30	32	2	6.0%
21.0%	30	32	2	5.9%
22.2%	30	32	2	6.9%
23.5%	30	32	2	6.8%
24.7%	30	32	2	6.2%
25.9%	30	32	2	6.1%
27.2%	30	31	2	5.6%
28.4%	30	31	2	5.6%
29.6%	29	31	2	5.7%
30.9%	29	31	1	5.1%
32.1%	29	31	2	5.4%
33.3%	29	31	2	5.8%
34.6%	29	31	2	5.9%
35.8%	29	31	2	5.5%
37.0%	29	31	2	5.5%
38.3%	29	30	1	4.6%
39.5%	29	30	1	4.6%
40.7%	29	30	1	4.5%
42.0%	29	30	1	4.6%
43.2%	29	30	1	4.6%
44.4%	29	30	1	4.8%
45.7%	29	30	1	4.8%
46.9%	29	30	1	5.0%
48.1%	28	30	1	4.9%
49.4%	28	30	1	4.7%
50.6%	28	30	1	4.7%
51.9%	28	30	1	4.2%
53.1%	28	30	1	4.3%
54.3%	28	29	1	3.8%
55.6%	28	29	1	3.5%
56.8%	28	29	1	3.3%
58.0%	28	29	1	3.2%
59.3%	28	29	1	2.6%
60.5%	28	29	1	2.5%
61.7%	28	29	1	2.5%
63.0%	28	29	1	2.2%
64.2%	28	29	0	1.7%
65.4%	28	29	0	1.6%
66.7%	28	29	0	1.5%
67.9%	28	29	0	1.7%
69.1%	28	28	0	1.4%
70.4%	28	28	0	1.3%
71.6%	28	28	0	1.0%
72.8%	28	28	0	1.1%
74.1%	28	28	0	1.0%
75.3%	28	28	0	0.6%
76.5%	28	28	0	0.6%
77.8%	28	28	0	0.6%
79.0%	28	28	0	0.6%
80.2%	28	28	0	0.6%
81.5%	28	28	0	0.4%
82.7%	28	28	1	2.0%
84.0%	27	28	1	2.1%
85.2%	27	28	1	2.2%
86.4%	27	28	1	2.1%
87.7%	27	28	1	2.1%
88.9%	27	28	1	2.2%
90.1%	27	28	1	2.7%
91.4%	27	28	1	2.6%
92.6%	27	28	1	4.0%
93.8%	27	28	1	3.7%
95.1%	26	28	1	5.4%
96.3%	26	27	1	5.2%
97.5%	26	27	1	5.4%
98.8%	26	27	1	4.8%
100.0%	25	27	1	5.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.6%
1.2%	42	42	0	-0.2%
2.5%	41	42	0	1.1%
3.7%	41	41	0	0.0%
4.9%	40	38	-2	-5.1%
6.2%	39	37	-2	-4.3%
7.4%	37	37	0	0.7%
8.6%	36	37	1	1.5%
9.9%	36	37	0	1.3%
11.1%	36	36	0	0.5%
12.3%	36	36	0	0.8%
13.6%	36	36	0	-0.3%
14.8%	36	35	0	-0.3%
16.0%	35	35	0	0.8%
17.3%	35	35	0	1.3%
18.5%	35	35	0	1.4%
19.8%	35	35	0	0.6%
21.0%	35	35	0	1.4%
22.2%	34	35	1	1.7%
23.5%	34	35	1	1.7%
24.7%	34	35	1	2.6%
25.9%	34	35	1	2.8%
27.2%	34	35	1	3.2%
28.4%	34	35	1	2.9%
29.6%	33	35	1	3.5%
30.9%	33	35	1	3.4%
32.1%	33	34	1	4.3%
33.3%	33	34	2	4.9%
34.6%	33	34	2	4.8%
35.8%	33	34	1	4.2%
37.0%	32	34	2	4.9%
38.3%	32	34	2	5.0%
39.5%	32	34	2	4.9%
40.7%	32	33	1	4.0%
42.0%	32	33	1	4.7%
43.2%	32	33	1	4.3%
44.4%	32	33	1	3.7%
45.7%	32	33	1	3.5%
46.9%	31	33	2	5.4%
48.1%	31	32	1	4.3%
49.4%	31	32	1	3.6%
50.6%	31	32	1	3.5%
51.9%	31	32	1	3.8%
53.1%	31	32	1	3.4%
54.3%	30	31	1	3.2%
55.6%	30	31	1	3.3%
56.8%	30	31	1	3.6%
58.0%	30	31	1	3.9%
59.3%	30	31	1	4.7%
60.5%	30	31	1	4.7%
61.7%	30	31	1	4.9%
63.0%	30	31	1	3.2%
64.2%	30	30	1	2.6%
65.4%	29	30	1	3.4%
66.7%	29	30	1	3.9%
67.9%	29	30	1	3.2%
69.1%	29	30	1	2.9%
70.4%	29	30	1	3.0%
71.6%	29	30	1	3.4%
72.8%	29	30	1	2.8%
74.1%	29	29	1	2.5%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.9%
79.0%	28	29	1	3.3%
80.2%	28	29	1	2.9%
81.5%	28	29	1	2.9%
82.7%	28	28	1	2.4%
84.0%	28	28	1	2.0%
85.2%	28	28	1	1.9%
86.4%	28	28	0	1.8%
87.7%	28	28	0	1.4%
88.9%	27	28	0	1.5%
90.1%	27	28	0	1.4%
91.4%	27	28	1	2.0%
92.6%	27	28	1	2.4%
93.8%	27	28	1	3.0%
95.1%	27	28	1	3.4%
96.3%	26	27	1	4.7%
97.5%	26	27	1	3.2%
98.8%	26	27	1	2.0%
100.0%	26	27	1	2.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	44	0	-0.2%
2.5%	44	44	0	0.0%
3.7%	44	44	0	0.2%
4.9%	44	44	0	-0.4%
6.2%	44	43	0	-0.2%
7.4%	44	43	0	-0.4%
8.6%	43	43	0	-0.6%
9.9%	43	43	0	0.0%
11.1%	43	43	0	-0.4%
12.3%	43	43	0	-0.8%
13.6%	43	43	-1	-1.2%
14.8%	43	42	-1	-1.2%
16.0%	43	42	-1	-1.4%
17.3%	42	42	0	0.0%
18.5%	42	42	0	-1.0%
19.8%	42	41	-1	-1.5%
21.0%	42	41	-1	-1.2%
22.2%	41	41	0	-0.4%
23.5%	41	41	0	-0.2%
24.7%	40	41	1	1.3%
25.9%	39	39	-1	-2.0%
27.2%	39	38	-2	-3.9%
28.4%	39	37	-2	-3.9%
29.6%	38	37	-2	-4.5%
30.9%	37	35	-2	-5.2%
32.1%	37	35	-1	-3.8%
33.3%	36	35	-1	-3.1%
34.6%	36	35	-1	-3.1%
35.8%	36	35	-1	-3.9%
37.0%	36	34	-2	-6.6%
38.3%	36	34	-2	-6.4%
39.5%	36	33	-3	-7.1%
40.7%	35	33	-2	-6.4%
42.0%	35	33	-2	-6.3%
43.2%	35	33	-2	-5.7%
44.4%	34	33	-1	-3.6%
45.7%	33	33	0	-0.8%
46.9%	33	32	0	-1.4%
48.1%	32	32	0	-0.4%
49.4%	32	32	0	-0.2%
50.6%	32	32	0	0.0%
51.9%	32	32	0	-0.8%
53.1%	32	32	0	0.8%
54.3%	32	32	0	1.0%
55.6%	31	32	0	0.2%
56.8%	31	31	0	0.5%
58.0%	31	31	0	0.2%
59.3%	31	31	0	0.5%
60.5%	31	31	0	0.4%
61.7%	31	31	0	0.4%
63.0%	31	31	0	1.1%
64.2%	30	31	1	3.1%
65.4%	30	31	1	3.4%
66.7%	30	31	1	3.6%
67.9%	29	31	1	3.8%
69.1%	29	30	1	4.2%
70.4%	29	30	1	3.8%
71.6%	29	30	1	4.3%
72.8%	29	30	1	4.4%
74.1%	29	30	1	4.0%
75.3%	29	30	1	3.8%
76.5%	29	30	1	3.7%
77.8%	29	30	1	3.4%
79.0%	29	30	1	3.7%
80.2%	29	30	1	3.9%
81.5%	29	30	1	3.9%
82.7%	28	30	1	3.8%
84.0%	28	29	1	3.0%
85.2%	28	29	1	2.6%
86.4%	28	29	1	2.3%
87.7%	28	29	1	3.0%
88.9%	28	29	1	3.2%
90.1%	28	29	1	2.9%
91.4%	28	29	1	2.7%
92.6%	28	28	1	2.6%
93.8%	28	28	1	2.6%
95.1%	28	28	1	1.9%
96.3%	27	28	0	1.1%
97.5%	27	28	0	1.6%
98.8%	27	28	1	2.4%
100.0%	27	28	1	3.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.2%
1.2%	45	45	0	0.0%
2.5%	45	45	0	-0.2%
3.7%	45	45	0	-0.2%
4.9%	45	45	0	0.0%
6.2%	45	45	0	0.2%
7.4%	45	45	0	-0.2%
8.6%	45	44	0	-0.4%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	-0.2%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-1.0%
23.5%	43	43	0	-1.0%
24.7%	43	42	-1	-1.4%
25.9%	43	42	-1	-2.0%
27.2%	43	42	-1	-2.0%
28.4%	42	42	-1	-1.2%
29.6%	42	41	-1	-1.3%
30.9%	41	41	0	-0.8%
32.1%	41	41	0	-0.8%
33.3%	41	41	0	-0.6%
34.6%	41	39	-2	-4.3%
35.8%	41	39	-2	-5.6%
37.0%	41	38	-2	-5.8%
38.3%	41	37	-3	-8.5%
39.5%	40	37	-3	-7.6%
40.7%	39	36	-3	-8.0%
42.0%	39	36	-3	-8.3%
43.2%	39	36	-3	-7.7%
44.4%	38	35	-3	-7.8%
45.7%	38	35	-3	-7.9%
46.9%	36	35	-1	-3.4%
48.1%	35	34	-1	-3.2%
49.4%	35	33	-2	-4.3%
50.6%	35	32	-2	-6.6%
51.9%	35	32	-2	-6.8%
53.1%	34	32	-2	-6.8%
54.3%	34	32	-2	-6.1%
55.6%	34	32	-2	-6.3%
56.8%	34	32	-2	-6.3%
58.0%	34	32	-2	-6.3%
59.3%	34	32	-2	-5.4%
60.5%	33	32	-1	-4.5%
61.7%	33	32	-1	-4.0%
63.0%	33	32	-1	-3.4%
64.2%	33	32	-1	-3.4%
65.4%	32	32	-1	-2.7%
66.7%	32	31	-1	-2.2%
67.9%	32	31	-1	-1.8%
69.1%	32	31	-1	-2.2%
70.4%	31	31	0	-1.3%
71.6%	31	31	0	-0.9%
72.8%	31	31	0	-0.4%
74.1%	31	31	0	-0.7%
75.3%	31	31	0	-0.8%
76.5%	31	31	0	-0.6%
77.8%	31	31	0	-0.6%
79.0%	31	31	0	0.0%
80.2%	31	30	0	-0.6%
81.5%	30	30	0	0.4%
82.7%	30	30	0	0.6%
84.0%	30	30	0	0.5%
85.2%	30	30	0	0.4%
86.4%	30	30	0	0.5%
87.7%	30	30	0	1.0%
88.9%	29	30	0	1.5%
90.1%	29	30	0	1.4%
91.4%	29	30	1	2.0%
92.6%	29	29	0	0.5%
93.8%	29	29	1	1.8%
95.1%	29	29	1	1.9%
96.3%	29	29	1	2.3%
97.5%	29	29	1	2.3%
98.8%	28	29	1	2.8%
100.0%	28	27	-1	-2.2%

Table SW-56-3b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	0.0%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	45	0	0.0%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.4%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	-0.2%
18.5%	44	44	0	-0.4%
19.8%	44	43	0	-0.4%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.4%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.0%
25.9%	43	43	0	0.0%
27.2%	43	43	0	0.0%
28.4%	43	43	0	-0.4%
29.6%	43	43	0	-0.6%
30.9%	43	42	-1	-1.8%
32.1%	43	42	-1	-1.6%
33.3%	43	42	-1	-2.2%
34.6%	43	42	-1	-1.8%
35.8%	43	42	-1	-1.8%
37.0%	42	42	-1	-1.6%
38.3%	42	42	-1	-1.6%
39.5%	42	41	-1	-1.8%
40.7%	42	41	-1	-1.9%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-2.3%
44.4%	41	40	-1	-1.9%
45.7%	41	40	-1	-2.4%
46.9%	40	39	-1	-3.7%
48.1%	40	39	-1	-3.2%
49.4%	40	38	-1	-3.7%
50.6%	39	38	-1	-3.6%
51.9%	39	37	-2	-5.5%
53.1%	38	37	-2	-4.9%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-5.3%
58.0%	37	35	-2	-5.6%
59.3%	37	34	-2	-6.1%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-3	-7.5%
64.2%	35	33	-2	-5.8%
65.4%	35	33	-2	-5.6%
66.7%	35	33	-2	-6.0%
67.9%	35	33	-2	-6.2%
69.1%	35	33	-2	-5.9%
70.4%	34	32	-2	-5.4%
71.6%	34	32	-2	-6.0%
72.8%	34	32	-1	-4.2%
74.1%	33	32	-1	-4.2%
75.3%	33	32	-1	-3.0%
76.5%	33	32	-1	-2.4%
77.8%	32	32	0	-0.1%
79.0%	32	32	0	0.4%
80.2%	31	31	0	-0.3%
81.5%	31	31	0	0.3%
82.7%	31	31	0	-0.8%
84.0%	31	31	0	-0.4%
85.2%	31	31	0	0.2%
86.4%	30	31	0	1.4%
87.7%	30	30	0	0.9%
88.9%	30	30	0	0.9%
90.1%	30	30	0	1.0%
91.4%	30	30	0	0.9%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.1%
95.1%	29	29	0	0.1%
96.3%	28	29	0	1.7%
97.5%	28	28	0	1.7%
98.8%	28	28	0	1.2%
100.0%	28	28	0	0.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.3%
2.5%	45	45	0	0.0%
3.7%	45	45	0	0.0%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.2%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	0.0%
9.9%	44	44	0	-0.4%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.8%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.2%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	43	0	-0.2%
21.0%	42	43	0	0.2%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	-0.4%
24.7%	42	42	0	-0.4%
25.9%	42	42	0	-0.2%
27.2%	42	41	-1	-1.7%
28.4%	42	41	-1	-2.3%
29.6%	41	41	0	-0.8%
30.9%	41	41	0	-0.9%
32.1%	41	39	-2	-4.3%
33.3%	40	39	-2	-4.1%
34.6%	40	39	-2	-4.1%
35.8%	40	39	-1	-3.3%
37.0%	40	38	-1	-3.7%
38.3%	40	38	-2	-4.7%
39.5%	39	38	-2	-4.1%
40.7%	39	37	-2	-4.4%
42.0%	39	37	-2	-5.5%
43.2%	39	36	-3	-7.7%
44.4%	39	36	-3	-7.8%
45.7%	39	35	-3	-8.0%
46.9%	38	35	-3	-6.7%
48.1%	38	35	-3	-7.8%
49.4%	38	35	-3	-8.1%
50.6%	38	35	-3	-8.4%
51.9%	37	35	-3	-7.0%
53.1%	37	34	-2	-6.1%
54.3%	36	34	-2	-6.3%
55.6%	36	34	-3	-7.1%
56.8%	36	34	-2	-6.4%
58.0%	36	33	-3	-7.2%
59.3%	35	33	-2	-6.1%
60.5%	35	33	-2	-5.9%
61.7%	35	32	-2	-6.4%
63.0%	34	32	-2	-5.3%
64.2%	34	32	-1	-4.4%
65.4%	33	32	-2	-5.3%
66.7%	33	32	-2	-5.0%
67.9%	33	32	-2	-4.7%
69.1%	33	32	-2	-4.6%
70.4%	33	31	-2	-4.6%
71.6%	33	31	-1	-4.1%
72.8%	33	31	-1	-4.1%
74.1%	33	31	-2	-5.3%
75.3%	32	31	-1	-4.1%
76.5%	32	31	-2	-4.8%
77.8%	32	31	-2	-4.9%
79.0%	32	31	-2	-4.8%
80.2%	32	30	-2	-5.1%
81.5%	31	30	-1	-3.7%
82.7%	31	30	-1	-4.0%
84.0%	31	30	-1	-3.8%
85.2%	31	30	-1	-3.1%
86.4%	31	30	-1	-3.5%
87.7%	31	30	-1	-3.0%
88.9%	30	30	0	-0.7%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.5%
92.6%	29	29	0	1.3%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.0%
96.3%	29	28	0	-0.4%
97.5%	28	28	0	0.1%
98.8%	28	28	0	0.0%
100.0%	28	28	0	1.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	43	43	0	0.2%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.0%
4.9%	43	43	0	0.0%
6.2%	42	41	0	-0.4%
7.4%	41	41	0	-0.2%
8.6%	41	41	0	-0.2%
9.9%	41	41	0	-0.9%
11.1%	41	41	0	0.0%
12.3%	40	40	0	-0.2%
13.6%	40	40	0	-0.7%
14.8%	40	40	0	-0.9%
16.0%	40	40	0	-0.9%
17.3%	40	40	-1	-1.3%
18.5%	40	39	-1	-1.5%
19.8%	39	39	0	-0.2%
21.0%	38	37	-1	-3.8%
22.2%	37	36	-1	-3.6%
23.5%	37	36	-1	-2.0%
24.7%	37	34	-2	-5.9%
25.9%	36	34	-2	-5.5%
27.2%	34	34	0	-1.4%
28.4%	33	33	0	-0.9%
29.6%	33	33	0	0.0%
30.9%	32	32	0	-0.3%
32.1%	32	32	0	-0.9%
33.3%	32	31	-1	-3.5%
34.6%	31	30	-1	-4.5%
35.8%	31	30	-1	-4.2%
37.0%	30	30	0	-0.5%
38.3%	30	30	0	-0.7%
39.5%	30	29	0	-0.4%
40.7%	29	29	0	0.3%
42.0%	29	29	0	-0.1%
43.2%	29	29	0	0.3%
44.4%	29	29	0	0.4%
45.7%	29	29	0	0.7%
46.9%	29	29	0	0.4%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	28	29	0	0.2%
55.6%	28	29	0	0.4%
56.8%	28	29	0	0.4%
58.0%	28	28	0	0.3%
59.3%	28	28	0	0.4%
60.5%	28	28	0	0.5%
61.7%	28	28	0	0.5%
63.0%	28	28	0	0.6%
64.2%	28	28	0	0.6%
65.4%	28	28	0	0.6%
66.7%	28	28	0	0.6%
67.9%	28	28	0	1.0%
69.1%	28	28	0	0.7%
70.4%	28	28	0	0.8%
71.6%	28	28	0	1.0%
72.8%	28	28	0	1.0%
74.1%	28	28	0	0.9%
75.3%	28	28	0	0.8%
76.5%	28	28	0	0.7%
77.8%	28	28	0	0.7%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.1%
81.5%	28	28	0	0.0%
82.7%	28	28	0	0.0%
84.0%	27	27	0	0.4%
85.2%	27	27	0	-0.4%
86.4%	27	27	0	-0.3%
87.7%	27	27	0	0.2%
88.9%	27	27	0	0.6%
90.1%	27	27	0	0.4%
91.4%	26	27	0	0.7%
92.6%	26	27	0	1.3%
93.8%	26	26	0	0.4%
95.1%	26	26	0	0.3%
96.3%	26	26	0	0.3%
97.5%	26	26	0	0.9%
98.8%	26	26	0	1.4%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	41	41	0	0.0%
2.5%	41	41	0	0.2%
3.7%	40	40	0	0.0%
4.9%	40	40	0	0.0%
6.2%	40	40	0	0.0%
7.4%	38	38	0	-0.2%
8.6%	38	36	-2	-5.0%
9.9%	36	36	-1	-1.5%
11.1%	36	35	0	-1.3%
12.3%	35	35	0	-0.5%
13.6%	35	35	0	-0.8%
14.8%	35	35	0	-0.8%
16.0%	35	33	-1	-4.1%
17.3%	34	33	-1	-2.3%
18.5%	32	32	0	0.0%
19.8%	32	32	0	-1.4%
21.0%	32	32	0	-1.5%
22.2%	32	31	-1	-2.1%
23.5%	31	31	0	-1.0%
24.7%	31	31	0	0.0%
25.9%	31	31	0	1.2%
27.2%	31	30	0	-0.2%
28.4%	29	30	1	3.9%
29.6%	29	30	1	4.2%
30.9%	29	30	1	4.2%
32.1%	29	30	1	2.1%
33.3%	29	29	0	0.4%
34.6%	29	29	0	0.6%
35.8%	29	29	0	0.6%
37.0%	29	29	0	0.3%
38.3%	29	29	0	0.3%
39.5%	28	29	0	0.3%
40.7%	28	28	0	0.3%
42.0%	28	28	0	0.5%
43.2%	28	28	0	0.3%
44.4%	28	28	0	0.1%
45.7%	28	28	0	0.2%
46.9%	28	28	0	0.2%
48.1%	28	28	0	0.2%
49.4%	28	28	0	0.2%
50.6%	28	28	0	0.3%
51.9%	28	28	0	0.2%
53.1%	28	28	0	0.3%
54.3%	28	28	0	0.3%
55.6%	28	28	0	0.3%
56.8%	28	28	0	0.7%
58.0%	28	28	0	0.8%
59.3%	28	28	0	1.3%
60.5%	28	28	0	1.4%
61.7%	28	28	0	1.5%
63.0%	28	28	0	1.6%
64.2%	28	28	0	1.4%
65.4%	28	28	0	1.3%
66.7%	28	28	0	1.2%
67.9%	28	28	0	1.4%
69.1%	28	28	0	1.0%
70.4%	28	28	0	0.9%
71.6%	28	28	0	0.6%
72.8%	27	28	0	1.2%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.2%
76.5%	27	28	0	1.3%
77.8%	27	28	1	2.0%
79.0%	27	27	0	1.5%
80.2%	27	27	0	0.9%
81.5%	27	27	0	0.8%
82.7%	27	27	0	0.7%
84.0%	27	27	0	0.6%
85.2%	27	27	0	1.1%
86.4%	27	27	0	1.3%
87.7%	27	27	0	1.1%
88.9%	26	27	0	0.9%
90.1%	26	27	0	0.5%
91.4%	26	26	0	0.1%
92.6%	26	26	0	0.2%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.5%
96.3%	26	26	0	1.3%
97.5%	26	26	0	0.2%
98.8%	26	26	0	0.4%
100.0%	26	26	0	0.3%

Table SW-56-3b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	0.0%
1.2%	38	38	0	0.0%
2.5%	34	33	-2	-4.9%
3.7%	32	33	1	3.7%
4.9%	31	32	1	1.8%
6.2%	31	31	0	0.5%
7.4%	31	31	0	1.4%
8.6%	31	31	0	1.2%
9.9%	31	31	0	1.0%
11.1%	31	31	0	1.3%
12.3%	30	31	1	1.7%
13.6%	30	30	0	0.4%
14.8%	30	30	0	0.0%
16.0%	30	30	0	0.3%
17.3%	30	30	0	1.0%
18.5%	30	30	0	1.2%
19.8%	30	30	0	1.2%
21.0%	30	30	0	1.6%
22.2%	29	30	1	2.0%
23.5%	29	30	1	2.6%
24.7%	29	30	1	2.9%
25.9%	29	30	1	3.1%
27.2%	29	30	1	3.0%
28.4%	29	30	1	3.1%
29.6%	29	30	1	2.8%
30.9%	29	29	1	2.6%
32.1%	29	29	1	2.6%
33.3%	29	29	1	2.4%
34.6%	29	29	1	2.4%
35.8%	29	29	1	2.2%
37.0%	29	29	1	1.9%
38.3%	29	29	1	1.8%
39.5%	28	29	1	1.8%
40.7%	28	29	1	1.8%
42.0%	28	29	1	1.9%
43.2%	28	29	0	1.6%
44.4%	28	29	0	1.6%
45.7%	28	29	0	1.2%
46.9%	28	29	0	1.2%
48.1%	28	29	0	1.2%
49.4%	28	29	0	1.2%
50.6%	28	29	0	1.2%
51.9%	28	29	0	1.2%
53.1%	28	29	0	1.1%
54.3%	28	29	0	1.1%
55.6%	28	29	0	1.0%
56.8%	28	29	0	1.0%
58.0%	28	29	0	1.1%
59.3%	28	28	0	0.8%
60.5%	28	28	0	0.7%
61.7%	28	28	0	0.6%
63.0%	28	28	0	0.6%
64.2%	28	28	0	0.5%
65.4%	28	28	0	0.5%
66.7%	28	28	0	0.5%
67.9%	28	28	0	0.5%
69.1%	28	28	0	0.5%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	28	28	0	1.5%
74.1%	28	28	0	1.5%
75.3%	28	28	0	1.6%
76.5%	28	28	0	1.6%
77.8%	28	28	0	1.8%
79.0%	28	28	1	1.9%
80.2%	28	28	1	2.0%
81.5%	28	28	1	2.1%
82.7%	28	28	1	1.8%
84.0%	28	28	1	1.8%
85.2%	27	28	1	3.0%
86.4%	27	28	1	3.6%
87.7%	27	28	1	3.6%
88.9%	27	28	1	3.7%
90.1%	27	28	1	3.3%
91.4%	27	28	1	3.2%
92.6%	27	27	1	2.8%
93.8%	26	27	1	2.6%
95.1%	26	27	1	2.2%
96.3%	26	27	1	2.5%
97.5%	26	27	1	2.6%
98.8%	26	26	0	0.8%
100.0%	26	26	0	0.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	35	36	1	1.6%
1.2%	34	35	1	3.1%
2.5%	32	35	2	7.2%
3.7%	32	35	2	7.4%
4.9%	32	35	3	8.0%
6.2%	32	35	2	7.2%
7.4%	32	35	3	7.9%
8.6%	32	34	2	7.5%
9.9%	32	34	2	7.6%
11.1%	32	34	2	7.5%
12.3%	32	34	2	7.7%
13.6%	32	34	2	7.4%
14.8%	32	34	2	6.8%
16.0%	32	34	2	6.5%
17.3%	32	33	2	6.0%
18.5%	32	33	2	6.0%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.2%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.4%
24.7%	31	33	2	5.9%
25.9%	31	33	2	4.8%
27.2%	31	33	2	5.0%
28.4%	31	33	2	5.0%
29.6%	31	32	1	4.6%
30.9%	31	32	1	4.6%
32.1%	31	32	1	4.6%
33.3%	31	32	1	4.4%
34.6%	31	32	1	4.3%
35.8%	31	32	1	4.0%
37.0%	31	32	1	4.1%
38.3%	31	32	1	4.4%
39.5%	31	32	1	4.4%
40.7%	31	32	1	4.5%
42.0%	31	32	1	4.7%
43.2%	31	32	1	4.5%
44.4%	30	32	2	4.9%
45.7%	30	32	2	5.6%
46.9%	30	32	2	6.1%
48.1%	30	32	2	6.2%
49.4%	30	32	2	6.2%
50.6%	30	32	2	6.2%
51.9%	30	32	2	6.2%
53.1%	30	32	2	6.0%
54.3%	30	32	2	6.2%
55.6%	30	32	2	6.2%
56.8%	30	31	2	6.7%
58.0%	29	31	2	6.5%
59.3%	29	31	2	6.9%
60.5%	29	31	2	6.8%
61.7%	29	31	2	6.8%
63.0%	29	31	2	7.4%
64.2%	29	31	2	7.1%
65.4%	29	31	2	7.0%
66.7%	29	31	2	7.0%
67.9%	29	31	2	6.9%
69.1%	29	31	2	6.7%
70.4%	29	31	2	6.5%
71.6%	29	30	2	5.7%
72.8%	29	30	2	5.4%
74.1%	29	30	1	5.2%
75.3%	28	30	2	5.6%
76.5%	28	30	2	5.7%
77.8%	28	30	1	5.2%
79.0%	28	30	1	4.9%
80.2%	28	30	1	4.6%
81.5%	28	29	1	4.1%
82.7%	28	29	1	4.0%
84.0%	28	29	1	3.8%
85.2%	28	29	1	3.1%
86.4%	28	29	1	3.0%
87.7%	28	29	1	2.6%
88.9%	28	29	1	2.6%
90.1%	28	29	1	2.4%
91.4%	28	29	1	2.8%
92.6%	28	29	1	2.9%
93.8%	27	28	1	3.9%
95.1%	27	28	1	3.7%
96.3%	27	28	1	4.0%
97.5%	27	28	1	4.6%
98.8%	27	28	1	5.3%
100.0%	26	26	0	1.5%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	34	1	3.4%
1.2%	33	33	1	2.4%
2.5%	32	33	1	2.7%
3.7%	32	33	1	2.5%
4.9%	32	33	1	2.8%
6.2%	32	33	1	2.3%
7.4%	32	33	1	2.9%
8.6%	32	32	1	2.2%
9.9%	32	32	1	2.2%
11.1%	31	32	0	1.0%
12.3%	31	32	1	3.1%
13.6%	30	32	1	3.7%
14.8%	30	31	1	2.8%
16.0%	30	31	1	2.3%
17.3%	30	31	1	2.3%
18.5%	30	31	1	2.1%
19.8%	30	31	1	2.4%
21.0%	30	31	1	2.4%
22.2%	30	31	1	2.4%
23.5%	30	31	1	2.4%
24.7%	30	30	1	2.0%
25.9%	30	30	1	2.5%
27.2%	30	30	1	2.5%
28.4%	30	30	1	2.4%
29.6%	29	30	1	2.8%
30.9%	29	30	1	2.5%
32.1%	29	30	1	2.6%
33.3%	29	30	1	2.5%
34.6%	29	30	1	2.4%
35.8%	29	30	1	2.8%
37.0%	29	30	1	3.5%
38.3%	29	30	1	3.4%
39.5%	29	30	1	3.6%
40.7%	29	30	1	3.8%
42.0%	29	30	1	3.5%
43.2%	29	30	1	3.4%
44.4%	28	30	1	3.9%
45.7%	28	30	1	4.3%
46.9%	28	29	1	3.5%
48.1%	28	29	1	3.5%
49.4%	28	29	1	3.5%
50.6%	28	29	1	3.5%
51.9%	28	29	1	3.3%
53.1%	28	29	1	3.1%
54.3%	28	29	1	3.1%
55.6%	28	29	1	3.0%
56.8%	28	29	1	3.0%
58.0%	28	29	1	2.8%
59.3%	28	29	1	2.7%
60.5%	28	29	1	2.6%
61.7%	28	29	1	2.4%
63.0%	28	29	1	2.2%
64.2%	28	29	1	2.2%
65.4%	28	29	1	2.0%
66.7%	28	29	1	2.0%
67.9%	28	29	0	1.8%
69.1%	28	29	0	1.7%
70.4%	28	28	0	1.5%
71.6%	28	28	0	1.3%
72.8%	28	28	0	0.9%
74.1%	28	28	0	0.9%
75.3%	28	28	0	0.7%
76.5%	28	28	0	0.6%
77.8%	28	28	0	0.5%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.7%
81.5%	28	28	0	1.1%
82.7%	28	28	1	2.3%
84.0%	27	28	1	2.3%
85.2%	27	28	1	2.3%
86.4%	27	28	1	2.3%
87.7%	27	28	1	2.3%
88.9%	27	28	1	2.3%
90.1%	27	28	1	2.7%
91.4%	27	28	1	4.0%
92.6%	27	28	1	4.7%
93.8%	27	28	1	4.5%
95.1%	27	28	1	3.5%
96.3%	26	28	1	5.6%
97.5%	26	27	1	5.5%
98.8%	26	27	1	5.5%
100.0%	26	27	2	5.8%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.9%
4.9%	37	38	1	1.9%
6.2%	37	38	2	4.2%
7.4%	36	38	2	4.7%
8.6%	36	38	2	5.0%
9.9%	36	38	2	5.0%
11.1%	36	37	1	1.8%
12.3%	36	37	1	1.8%
13.6%	36	37	0	1.3%
14.8%	36	36	0	1.0%
16.0%	36	36	0	1.3%
17.3%	36	36	1	1.6%
18.5%	35	36	1	2.6%
19.8%	35	36	1	1.8%
21.0%	35	36	1	2.1%
22.2%	35	36	1	2.4%
23.5%	35	36	1	2.7%
24.7%	35	36	1	2.7%
25.9%	34	36	1	3.9%
27.2%	34	36	1	4.1%
28.4%	34	35	2	5.4%
29.6%	33	34	0	0.6%
30.9%	33	33	0	1.2%
32.1%	33	33	0	0.4%
33.3%	33	33	0	0.5%
34.6%	32	33	0	0.8%
35.8%	32	32	1	1.7%
37.0%	32	32	0	1.4%
38.3%	32	32	0	0.2%
39.5%	31	31	0	1.1%
40.7%	31	31	1	2.3%
42.0%	30	31	1	3.1%
43.2%	30	31	1	3.0%
44.4%	30	31	1	3.9%
45.7%	30	31	1	4.6%
46.9%	30	31	1	4.3%
48.1%	29	31	1	4.2%
49.4%	29	30	1	3.4%
50.6%	29	30	1	4.4%
51.9%	29	30	1	4.4%
53.1%	29	30	1	4.0%
54.3%	29	30	1	3.7%
55.6%	29	30	1	3.7%
56.8%	29	30	1	4.1%
58.0%	29	30	1	3.5%
59.3%	29	30	1	3.5%
60.5%	29	30	1	3.7%
61.7%	29	29	1	2.9%
63.0%	29	29	1	2.4%
64.2%	29	29	1	2.3%
65.4%	29	29	1	2.4%
66.7%	28	29	1	2.3%
67.9%	28	29	1	2.4%
69.1%	28	29	1	2.5%
70.4%	28	29	1	3.0%
71.6%	28	29	1	2.9%
72.8%	28	29	1	2.9%
74.1%	28	29	1	2.7%
75.3%	28	29	1	2.6%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.5%
79.0%	28	29	1	3.2%
80.2%	28	29	1	3.9%
81.5%	28	29	1	3.8%
82.7%	27	29	1	3.8%
84.0%	27	28	1	3.8%
85.2%	27	28	1	4.1%
86.4%	27	28	1	4.2%
87.7%	27	28	1	4.5%
88.9%	27	28	1	5.2%
90.1%	27	28	1	5.0%
91.4%	27	28	1	4.9%
92.6%	27	28	1	5.4%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.7%
96.3%	26	28	2	7.5%
97.5%	26	28	2	6.5%
98.8%	26	28	2	8.2%
100.0%	26	28	2	7.8%

Table SW-57-3a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative A	74	74	74	75	75	76	74	74	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.2%	0.0%	-0.2%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative A	75	75	75	77	78	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	-0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative A	75	74	74	75	75	77	74	74	75	78	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	-0.6%	0.0%	0.0%	0.3%	0.0%	0.1%	0.4%	0.0%	-0.3%	0.2%
Below Normal (17%)												
No Action Alternative	74	74	74	74	74	74	73	73	74	77	76	74
Alternative A	74	74	74	73	74	74	73	73	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.0%	0.2%	-0.2%	0.3%	0.3%	0.0%	0.0%	0.5%	0.0%	-0.2%	0.2%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative A	74	74	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.0%	-0.3%	-0.1%	-0.1%	-0.2%	0.0%	-0.3%	-0.2%	0.0%	0.5%	0.3%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative A	73	73	73	73	73	73	73	73	74	76	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	-0.1%	0.0%	0.2%	-0.1%	0.1%	-0.2%	-0.2%	0.0%	0.1%	0.0%	0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

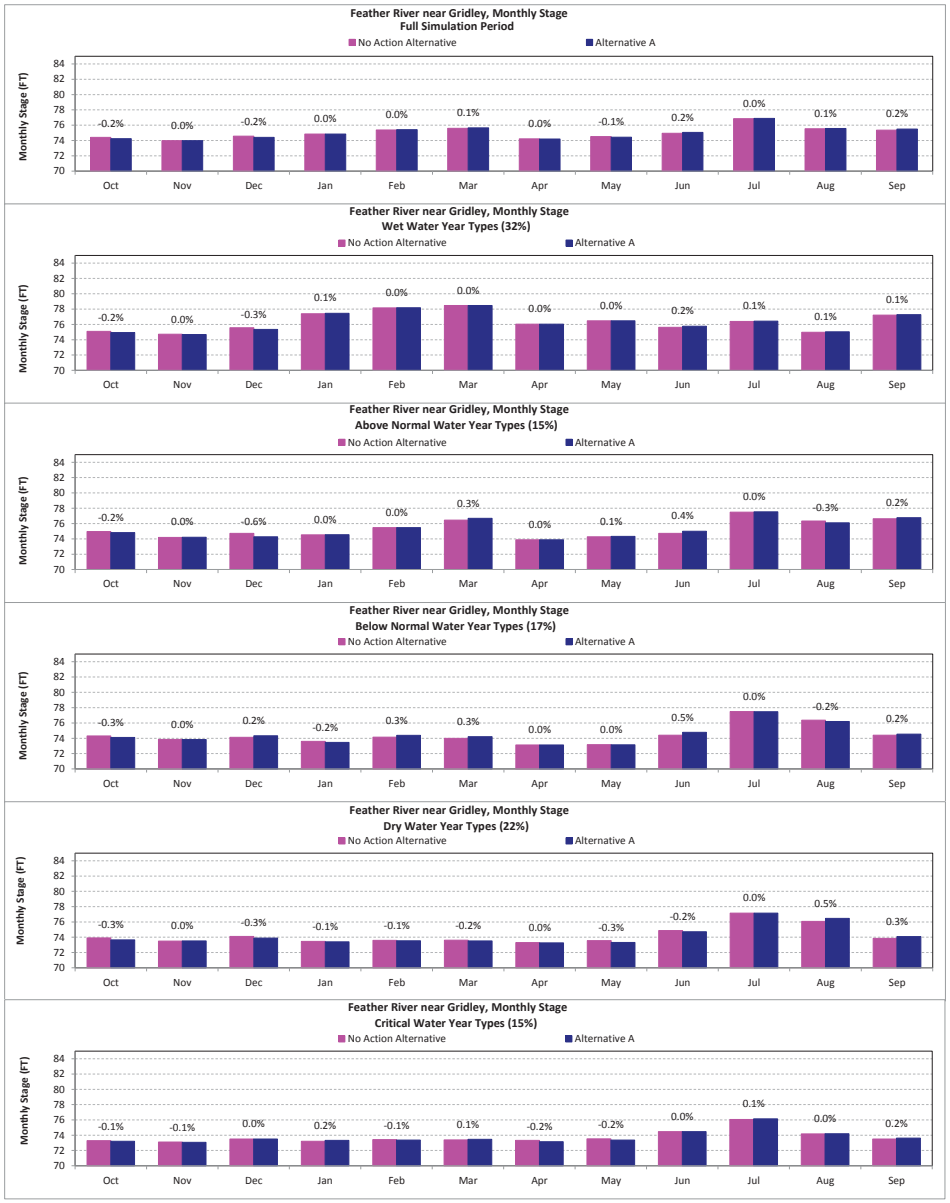

Figure SW-57-3b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

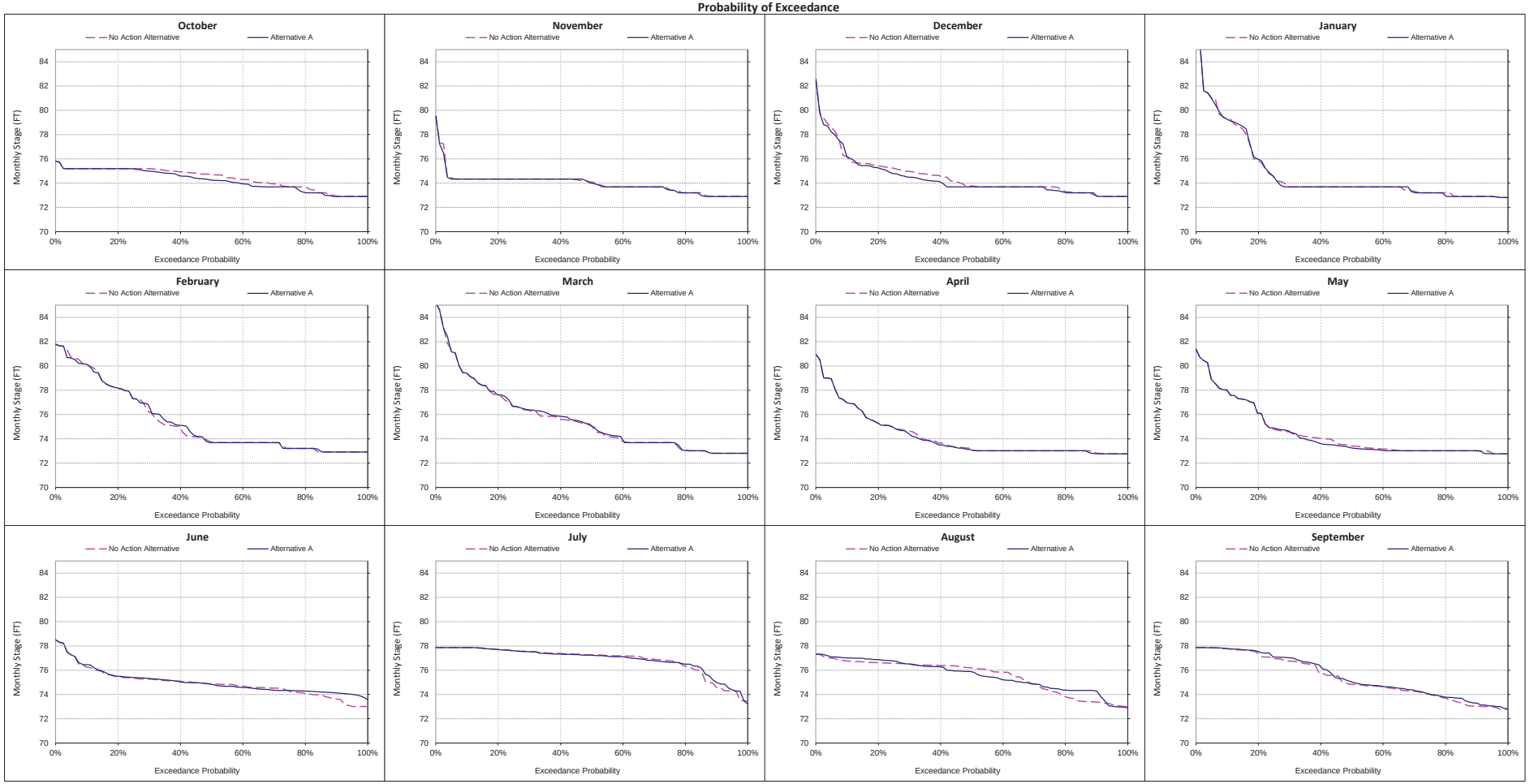

Table SW-57-3b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	-0.1%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	-0.2%
29.6%	75	75	0	-0.3%
30.9%	75	75	0	-0.3%
32.1%	75	75	0	-0.3%
33.3%	75	75	0	-0.3%
34.6%	75	75	0	-0.3%
35.8%	75	75	0	-0.3%
37.0%	75	75	0	-0.3%
38.3%	75	75	0	-0.3%
39.5%	75	75	0	-0.4%
40.7%	75	75	0	-0.5%
42.0%	75	75	0	-0.4%
43.2%	75	75	0	-0.4%
44.4%	75	74	0	-0.6%
45.7%	75	74	0	-0.6%
46.9%	75	74	0	-0.5%
48.1%	75	74	0	-0.5%
49.4%	75	74	0	-0.6%
50.6%	75	74	0	-0.6%
51.9%	75	74	0	-0.6%
53.1%	75	74	0	-0.6%
54.3%	74	74	0	-0.3%
55.6%	74	74	0	-0.4%
56.8%	74	74	0	-0.5%
58.0%	74	74	0	-0.4%
59.3%	74	74	0	-0.5%
60.5%	74	74	0	-0.5%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.6%
64.2%	74	74	0	-0.4%
65.4%	74	74	0	-0.5%
66.7%	74	74	0	-0.5%
67.9%	74	74	0	-0.5%
69.1%	74	74	0	-0.3%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	73	0	-0.3%
79.0%	74	73	0	-0.6%
80.2%	74	73	0	-0.7%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	-0.3%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	-0.1%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	77	-1	-0.9%
3.7%	74	74	0	0.0%
4.9%	74	74	0	-0.1%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.1%
46.9%	74	74	0	0.2%
48.1%	74	74	0	0.0%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	-0.1%
53.1%	74	74	0	0.2%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	73	0	-0.2%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	-0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.3%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	-0.1%
2.5%	79	79	-1	-0.7%
3.7%	79	79	0	-0.2%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	78	0	-0.1%
8.6%	76	77	1	1.2%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.3%
12.3%	76	76	0	0.2%
13.6%	76	76	0	-0.2%
14.8%	76	75	0	-0.2%
16.0%	76	75	0	-0.2%
17.3%	76	75	0	-0.2%
18.5%	75	75	0	-0.2%
19.8%	75	75	0	-0.2%
21.0%	75	75	0	-0.3%
22.2%	75	75	0	-0.3%
23.5%	75	75	0	-0.5%
24.7%	75	75	0	-0.6%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.6%
28.4%	75	75	0	-0.6%
29.6%	75	74	0	-0.6%
30.9%	75	74	0	-0.6%
32.1%	75	74	0	-0.6%
33.3%	75	74	0	-0.6%
34.6%	75	74	0	-0.7%
35.8%	75	74	-1	-0.7%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.6%
40.7%	74	74	-1	-0.7%
42.0%	74	74	-1	-1.1%
43.2%	74	74	0	-0.6%
44.4%	74	74	0	-0.6%
45.7%	74	74	0	-0.5%
46.9%	74	74	0	-0.3%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	73	0	-0.3%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.3%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	-0.1%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	0.0%
4.9%	81	81	0	0.0%
6.2%	81	81	0	-0.6%
7.4%	80	80	0	0.3%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	-0.2%
12.3%	79	79	0	0.2%
13.6%	79	79	0	0.2%
14.8%	78	79	0	0.3%
16.0%	78	78	0	0.6%
17.3%	77	77	0	0.0%
18.5%	76	76	0	0.2%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.2%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.1%
24.7%	75	75	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	-0.4%
28.4%	74	74	0	-0.4%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	73	74	0	0.3%
67.9%	73	74	0	0.3%
69.1%	73	73	0	-0.1%
70.4%	73	73	0	-0.1%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	-0.4%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-3b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	-1	-0.7%
4.9%	81	81	0	-0.1%
6.2%	81	81	0	-0.1%
7.4%	81	80	0	-0.4%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	0.0%
12.3%	80	80	0	-0.4%
13.6%	80	79	0	-0.1%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	77	77	0	-0.3%
28.4%	77	77	0	0.1%
29.6%	76	77	1	0.7%
30.9%	76	76	0	0.0%
32.1%	76	76	0	0.5%
33.3%	75	76	1	0.8%
34.6%	75	76	0	0.6%
35.8%	75	75	0	0.4%
37.0%	75	75	0	0.3%
38.3%	75	75	0	0.2%
39.5%	75	75	0	0.1%
40.7%	75	75	1	0.8%
42.0%	74	75	1	1.1%
43.2%	74	75	0	0.4%
44.4%	74	74	0	0.2%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.2%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	73	73	0	-0.2%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.3%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	82	1	0.7%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	0.0%
7.4%	80	80	0	0.0%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.3%
19.8%	78	78	0	0.0%
21.0%	77	78	0	0.2%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	76	77	0	0.1%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.2%
32.1%	76	76	0	0.1%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.5%
35.8%	76	76	0	0.3%
37.0%	76	76	0	0.2%
38.3%	76	76	0	0.1%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.3%
42.0%	76	76	0	0.3%
43.2%	75	76	0	0.1%
44.4%	75	76	0	0.1%
45.7%	75	75	0	0.1%
46.9%	75	75	0	0.1%
48.1%	75	75	0	0.0%
49.4%	75	75	0	-0.1%
50.6%	75	75	0	0.1%
51.9%	75	75	0	0.2%
53.1%	75	75	0	0.0%
54.3%	74	74	0	0.2%
55.6%	74	74	0	0.2%
56.8%	74	74	0	0.2%
58.0%	74	74	0	0.2%
59.3%	74	74	0	0.5%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	73	73	0	0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.1%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.0%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	77	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	0.0%
29.6%	75	74	0	-0.2%
30.9%	75	74	0	-0.5%
32.1%	74	74	0	-0.4%
33.3%	74	74	0	-0.2%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	73	0	-0.2%
40.7%	74	73	0	-0.2%
42.0%	73	73	0	-0.1%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.0%
45.7%	73	73	0	-0.1%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	-0.2%
88.9%	73	73	0	-0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	74	0	-0.1%
32.1%	74	74	0	0.0%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.2%
35.8%	74	74	0	-0.3%
37.0%	74	74	0	-0.3%
38.3%	74	74	0	-0.4%
39.5%	74	74	0	-0.5%
40.7%	74	74	0	-0.6%
42.0%	74	74	0	-0.6%
43.2%	74	74	0	-0.6%
44.4%	74	73	0	-0.4%
45.7%	74	73	0	-0.2%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.2%
49.4%	73	73	0	-0.2%
50.6%	73	73	0	-0.3%
51.9%	73	73	0	-0.2%
53.1%	73	73	0	-0.2%
54.3%	73	73	0	-0.1%
55.6%	73	73	0	-0.1%
56.8%	73	73	0	-0.2%
58.0%	73	73	0	-0.1%
59.3%	73	73	0	-0.2%
60.5%	73	73	0	-0.2%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-3b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	79	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	76	77	0	0.2%
8.6%	76	76	0	0.1%
9.9%	76	76	0	0.3%
11.1%	76	76	0	0.3%
12.3%	76	76	0	0.3%
13.6%	76	76	0	0.1%
14.8%	76	76	0	0.1%
16.0%	76	76	0	0.2%
17.3%	76	76	0	0.0%
18.5%	76	76	0	-0.1%
19.8%	75	76	0	0.1%
21.0%	75	75	0	0.1%
22.2%	75	75	0	0.1%
23.5%	75	75	0	0.1%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	75	0	0.1%
32.1%	75	75	0	0.1%
33.3%	75	75	0	0.1%
34.6%	75	75	0	0.1%
35.8%	75	75	0	0.1%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.1%
42.0%	75	75	0	-0.1%
43.2%	75	75	0	-0.1%
44.4%	75	75	0	0.0%
45.7%	75	75	0	0.0%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.0%
49.4%	75	75	0	0.0%
50.6%	75	75	0	-0.1%
51.9%	75	75	0	-0.2%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.2%
55.6%	75	75	0	-0.2%
56.8%	75	75	0	-0.2%
58.0%	75	75	0	-0.2%
59.3%	75	75	0	-0.1%
60.5%	75	75	0	-0.1%
61.7%	75	75	0	0.0%
63.0%	75	75	0	-0.1%
64.2%	75	74	0	-0.1%
65.4%	75	74	0	-0.2%
66.7%	75	74	0	-0.2%
67.9%	75	74	0	-0.2%
69.1%	75	74	0	-0.2%
70.4%	75	74	0	-0.2%
71.6%	75	74	0	-0.2%
72.8%	74	74	0	-0.2%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.1%
76.5%	74	74	0	0.2%
77.8%	74	74	0	0.2%
79.0%	74	74	0	0.2%
80.2%	74	74	0	0.3%
81.5%	74	74	0	0.3%
82.7%	74	74	0	0.3%
84.0%	74	74	0	0.3%
85.2%	74	74	0	0.4%
86.4%	74	74	0	0.5%
87.7%	74	74	0	0.6%
88.9%	74	74	1	0.7%
90.1%	74	74	1	0.7%
91.4%	74	74	1	0.7%
92.6%	73	74	1	1.2%
93.8%	73	74	1	1.3%
95.1%	73	74	1	1.3%
96.3%	73	74	1	1.3%
97.5%	73	74	1	1.2%
98.8%	73	74	1	1.0%
100.0%	73	74	1	0.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	0.0%
14.8%	78	78	0	-0.1%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.0%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.1%
29.6%	78	78	0	0.0%
30.9%	78	78	0	0.0%
32.1%	77	78	0	0.0%
33.3%	77	77	0	-0.1%
34.6%	77	77	0	-0.1%
35.8%	77	77	0	0.0%
37.0%	77	77	0	-0.1%
38.3%	77	77	0	-0.1%
39.5%	77	77	0	-0.1%
40.7%	77	77	0	-0.1%
42.0%	77	77	0	-0.1%
43.2%	77	77	0	-0.1%
44.4%	77	77	0	0.0%
45.7%	77	77	0	0.0%
46.9%	77	77	0	-0.1%
48.1%	77	77	0	0.0%
49.4%	77	77	0	0.0%
50.6%	77	77	0	0.0%
51.9%	77	77	0	-0.1%
53.1%	77	77	0	-0.1%
54.3%	77	77	0	-0.1%
55.6%	77	77	0	-0.1%
56.8%	77	77	0	-0.1%
58.0%	77	77	0	-0.1%
59.3%	77	77	0	-0.1%
60.5%	77	77	0	-0.1%
61.7%	77	77	0	-0.2%
63.0%	77	77	0	-0.2%
64.2%	77	77	0	-0.2%
65.4%	77	77	0	-0.3%
66.7%	77	77	0	-0.1%
67.9%	77	77	0	-0.2%
69.1%	77	77	0	-0.2%
70.4%	77	77	0	-0.1%
71.6%	77	77	0	-0.2%
72.8%	77	77	0	-0.1%
74.1%	77	77	0	-0.2%
75.3%	77	77	0	-0.1%
76.5%	77	77	0	-0.1%
77.8%	77	77	0	-0.1%
79.0%	76	77	0	0.1%
80.2%	76	76	0	0.3%
81.5%	76	76	0	0.3%
82.7%	76	76	0	0.4%
84.0%	76	76	0	0.4%
85.2%	76	76	0	0.3%
86.4%	75	76	1	0.8%
87.7%	75	76	0	0.7%
88.9%	75	75	0	0.4%
90.1%	75	75	0	0.6%
91.4%	75	75	0	0.5%
92.6%	74	75	1	0.7%
93.8%	74	75	0	0.3%
95.1%	74	74	0	0.1%
96.3%	74	74	0	0.1%
97.5%	74	74	1	1.1%
98.8%	73	73	0	0.0%
100.0%	73	73	0	-0.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	0.0%
2.5%	77	77	0	0.2%
3.7%	77	77	0	0.2%
4.9%	77	77	0	0.1%
6.2%	77	77	0	0.2%
7.4%	77	77	0	0.3%
8.6%	77	77	0	0.3%
9.9%	77	77	0	0.3%
11.1%	77	77	0	0.3%
12.3%	77	77	0	0.4%
13.6%	77	77	0	0.4%
14.8%	77	77	0	0.4%
16.0%	77	77	0	0.3%
17.3%	77	77	0	0.4%
18.5%	77	77	0	0.3%
19.8%	77	77	0	0.3%
21.0%	77	77	0	0.3%
22.2%	77	77	0	0.3%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.3%
25.9%	77	77	0	0.2%
27.2%	77	77	0	0.1%
28.4%	77	77	0	0.0%
29.6%	77	77	0	0.0%
30.9%	76	76	0	0.0%
32.1%	76	76	0	0.0%
33.3%	76	76	0	-0.1%
34.6%	76	76	0	-0.1%
35.8%	76	76	0	-0.1%
37.0%	76	76	0	-0.1%
38.3%	76	76	0	-0.1%
39.5%	76	76	0	-0.1%
40.7%	76	76	0	-0.2%
42.0%	76	76	0	-0.5%
43.2%	76	76	0	-0.5%
44.4%	76	76	0	-0.5%
45.7%	76	76	0	-0.5%
46.9%	76	76	0	-0.5%
48.1%	76	76	0	-0.4%
49.4%	76	76	0	-0.4%
50.6%	76	76	0	-0.5%
51.9%	76	76	0	-0.6%
53.1%	76	76	-1	-0.8%
54.3%	76	75	-1	-0.8%
55.6%	76	75	-1	-0.8%
56.8%	76	75	0	-0.6%
58.0%	76	75	0	-0.6%
59.3%	76	75	-1	-0.8%
60.5%	76	75	-1	-0.8%
61.7%	76	75	-1	-0.8%
63.0%	76	75	0	-0.5%
64.2%	75	75	0	-0.5%
65.4%	75	75	0	-0.5%
66.7%	75	75	0	-0.3%
67.9%	75	75	0	-0.1%
69.1%	75	75	0	0.0%
70.4%	75	75	0	0.0%
71.6%	75	75	0	0.2%
72.8%	74	75	0	0.2%
74.1%	74	75	0	0.3%
75.3%	74	75	0	0.3%
76.5%	74	74	0	0.4%
77.8%	74	74	0	0.4%
79.0%	74	74	0	0.7%
80.2%	74	74	1	0.8%
81.5%	74	74	1	0.9%
82.7%	74	74	1	0.9%
84.0%	73	74	1	1.2%
85.2%	73	74	1	1.2%
86.4%	73	74	1	1.3%
87.7%	73	74	1	1.3%
88.9%	73	74	1	1.3%
90.1%	73	74	1	1.2%
91.4%	73	74	0	0.6%
92.6%	73	73	0	0.2%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	-0.2%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	-0.1%
98.8%	73	73	0	-0.1%
100.0%	73	73	0	-0.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.1%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.1%
13.6%	78	78	0	0.1%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.1%
18.5%	78	78	0	0.1%
19.8%	77	78	0	0.2%
21.0%	77	77	0	0.4%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.4%
24.7%	77	77	0	0.2%
25.9%	77	77	0	0.2%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.3%
29.6%	77	77	0	0.3%
30.9%	77	77	0	0.4%
32.1%	77	77	0	0.2%
33.3%	77	77	0	0.2%
34.6%	77	77	0	0.2%
35.8%	77	77	0	0.2%
37.0%	76	77	0	0.2%
38.3%	76	77	0	0.1%
39.5%	76	76	1	0.9%
40.7%	76	76	0	0.5%
42.0%	76	76	0	0.6%
43.2%	76	76	0	0.3%
44.4%	76	75	0	-0.1%
45.7%	76	75	0	-0.3%
46.9%	75	75	0	0.4%
48.1%	75	75	0	0.4%
49.4%	75	75	0	0.3%
50.6%	75	75	0	0.2%
51.9%	75	75	0	0.1%
53.1%	75	75	0	0.1%
54.3%	75	75	0	0.1%
55.6%	75	75	0	0.1%
56.8%	75	75	0	0.1%
58.0%	75	75	0	0.1%
59.3%	75	75	0	0.0%
60.5%	75	75	0	0.1%
61.7%	75	75	0	0.1%
63.0%	75	75	0	0.1%
64.2%	74	75	0	0.2%
65.4%	74	74	0	0.1%
66.7%	74	74	0	0.2%
67.9%	74	74	0	0.1%
69.1%	74	74	0	0.1%
70.4%	74	74	0	0.1%
71.6%	74	74	0	0.1%
72.8%	74	74	0	0.1%
74.1%	74	74	0	-0.1%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.1%
80.2%	74	74	0	0.1%
81.5%	73	74	0	0.4%
82.7%	73	74	0	0.3%
84.0%	73	74	0	0.4%
85.2%	73	74	0	0.5%
86.4%	73	73	0	0.5%
87.7%	73	73	0	0.4%
88.9%	73	73	0	0.4%
90.1%	73	73	0	0.3%
91.4%	73	73	0	0.2%
92.6%	73	73	0	0.2%
93.8%	73	73	0	0.1%
95.1%	73	73	0	0.1%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.3%
98.8%	73	73	0	0.1%
100.0%	73	73	0	0.0%

Table SW-58-3a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative A	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	1.2%	0.0%	1.0%	0.4%	0.1%	0.5%	0.4%	0.5%	-0.4%	-4.3%	2.1%	0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative A	5	6	6	9	9	7	7	7	7	6	6	7
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.9%	-0.1%	0.9%	0.4%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.0%	1.9%	-2.4%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative A	5	6	6	6	8	7	6	6	6	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.4%	1.8%	2.0%	0.5%	0.3%	0.0%	0.0%	-1.1%	-4.9%	2.6%	-0.5%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative A	5	6	6	5	6	5	6	6	5	6	6	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	2.0%	2.2%	0.6%	1.1%	-0.8%	-0.2%	1.9%	1.2%	-0.3%	-11.6%	3.9%	7.7%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative A	4	5	6	5	5	5	5	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	1.9%	-1.6%	0.9%	1.8%	-1.4%	0.9%	0.2%	-3.4%	-1.7%	1.3%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative A	4	4	4	4	4	4	4	4	4	5	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	-2.9%	-0.9%	0.1%	0.1%	1.6%	3.3%	1.0%	-2.0%	3.9%	7.0%	0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

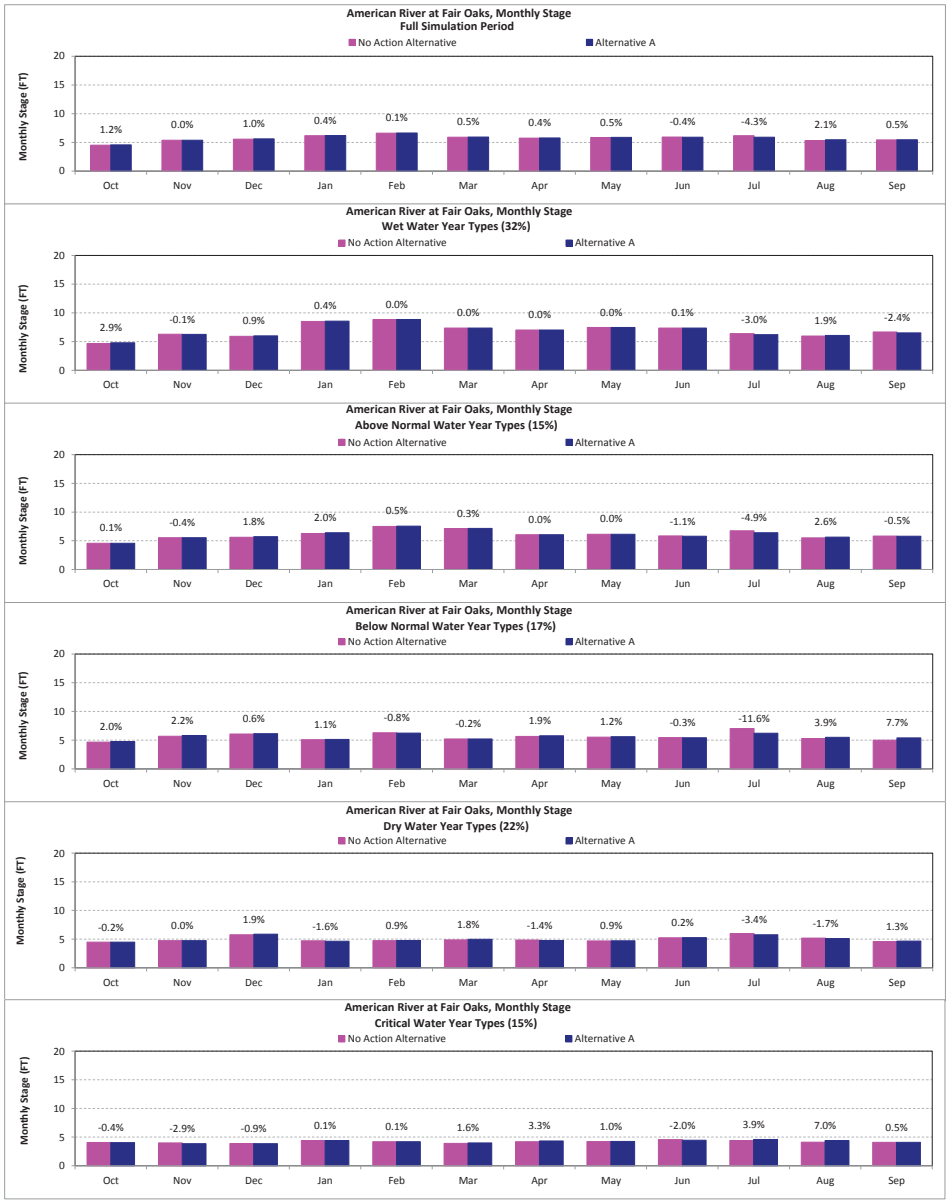

Figure SW-58-3b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

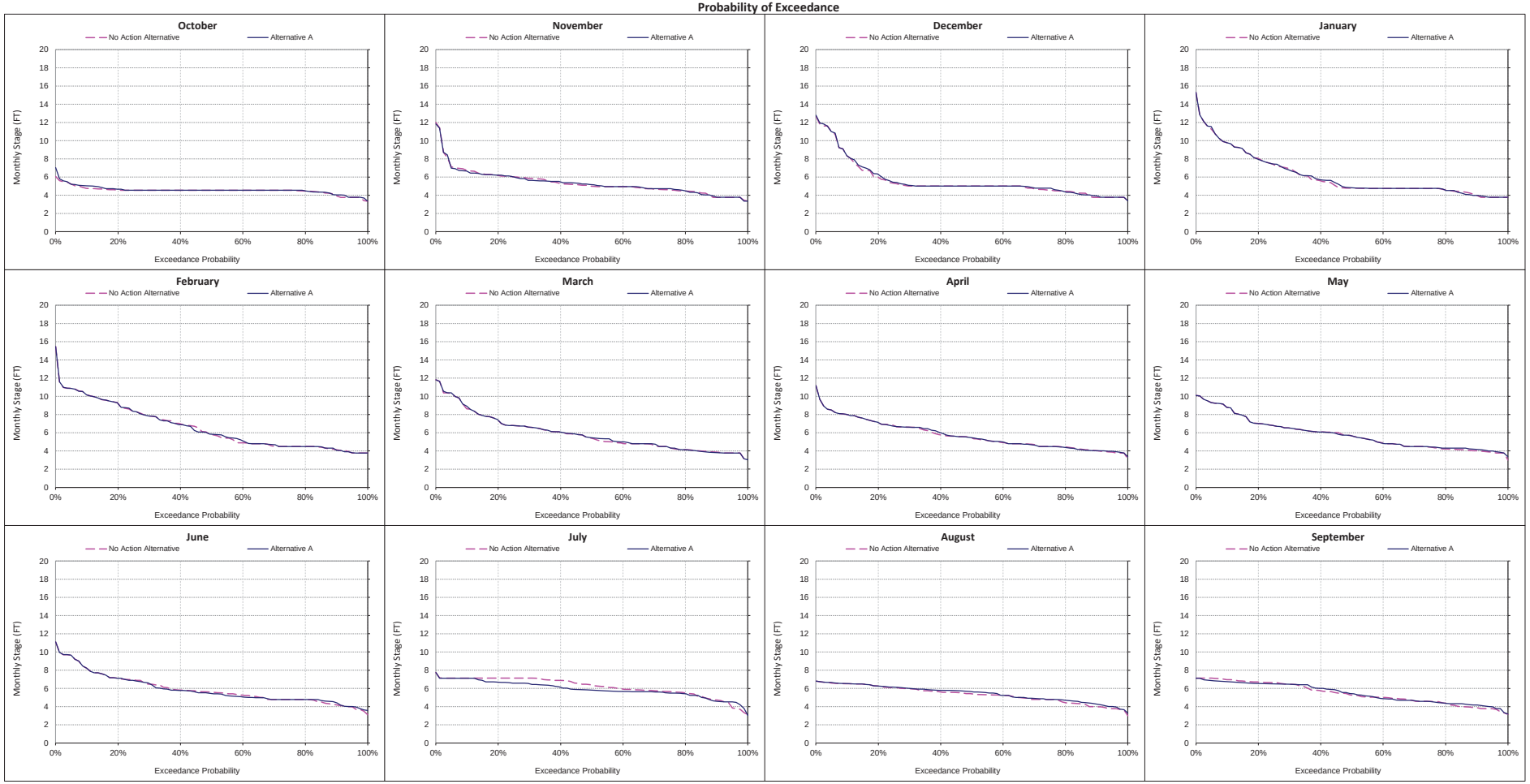

Table SW-58-3b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	7	1	16.3%
1.2%	6	6	0	3.5%
2.5%	5	6	0	1.5%
3.7%	5	5	0	1.1%
4.9%	5	5	0	-0.4%
6.2%	5	5	0	2.7%
7.4%	5	5	0	1.7%
8.6%	5	5	0	4.1%
9.9%	5	5	0	6.2%
11.1%	5	5	0	6.1%
12.3%	5	5	0	6.1%
13.6%	5	5	0	5.3%
14.8%	5	5	0	3.4%
16.0%	5	5	0	1.9%
17.3%	5	5	0	2.2%
18.5%	5	5	0	2.1%
19.8%	5	5	0	2.1%
21.0%	5	5	0	2.5%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.3%
79.0%	4	5	0	1.6%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-0.7%
82.7%	4	4	0	-1.2%
84.0%	4	4	0	-0.4%
85.2%	4	4	0	-0.4%
86.4%	4	4	0	1.7%
87.7%	4	4	0	0.7%
88.9%	4	4	0	-2.3%
90.1%	4	4	0	3.2%
91.4%	4	4	0	7.2%
92.6%	4	4	0	6.3%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	8.6%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	-1.3%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	3.7%
4.9%	7	7	0	-2.1%
6.2%	7	7	0	-1.3%
7.4%	7	7	0	-3.6%
8.6%	7	7	0	-2.9%
9.9%	7	7	0	-1.4%
11.1%	7	6	0	-3.5%
12.3%	7	6	0	-3.2%
13.6%	6	6	0	-0.5%
14.8%	6	6	0	-1.2%
16.0%	6	6	0	-0.2%
17.3%	6	6	0	-0.4%
18.5%	6	6	0	-0.4%
19.8%	6	6	0	0.4%
21.0%	6	6	0	1.6%
22.2%	6	6	0	0.4%
23.5%	6	6	0	0.5%
24.7%	6	6	0	-0.1%
25.9%	6	6	0	-1.3%
27.2%	6	6	0	-1.6%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	-4.0%
30.9%	6	6	0	-3.8%
32.1%	6	6	0	-3.4%
33.3%	6	6	0	-3.5%
34.6%	6	6	0	-3.0%
35.8%	6	6	0	-0.4%
37.0%	5	6	0	1.3%
38.3%	5	6	0	1.4%
39.5%	5	6	0	3.5%
40.7%	5	5	0	2.9%
42.0%	5	5	0	3.0%
43.2%	5	5	0	3.4%
44.4%	5	5	0	3.2%
45.7%	5	5	0	3.1%
46.9%	5	5	0	2.5%
48.1%	5	5	0	2.5%
49.4%	5	5	0	3.8%
50.6%	5	5	0	3.6%
51.9%	5	5	0	2.7%
53.1%	5	5	0	1.7%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	2.1%
65.4%	5	5	0	1.5%
66.7%	5	5	0	1.9%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	1.7%
71.6%	5	5	0	1.8%
72.8%	5	5	0	2.2%
74.1%	5	5	0	2.4%
75.3%	5	5	0	3.3%
76.5%	5	5	0	1.5%
77.8%	4	5	0	2.3%
79.0%	4	5	0	1.7%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-2.7%
82.7%	4	4	0	-2.4%
84.0%	4	4	0	-1.6%
85.2%	4	4	0	-4.5%
86.4%	4	4	0	-4.5%
87.7%	4	4	0	1.1%
88.9%	4	4	0	4.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	-2.6%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.9%
1.2%	12	12	0	0.9%
2.5%	12	12	0	2.0%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	1.3%
7.4%	9	9	0	0.0%
8.6%	9	9	0	-0.1%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	4.7%
13.6%	7	7	0	2.0%
14.8%	7	7	0	5.5%
16.0%	7	7	0	3.6%
17.3%	7	7	0	1.2%
18.5%	6	6	0	5.5%
19.8%	6	6	0	5.2%
21.0%	6	6	0	5.1%
22.2%	6	6	0	1.1%
23.5%	5	6	0	3.8%
24.7%	5	5	0	1.7%
25.9%	5	5	0	2.8%
27.2%	5	5	0	2.5%
28.4%	5	5	0	2.3%
29.6%	5	5	0	1.5%
30.9%	5	5	0	1.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	1.6%
67.9%	5	5	0	3.3%
69.1%	5	5	0	1.7%
70.4%	5	5	0	2.3%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.4%
74.1%	5	5	0	4.5%
75.3%	5	5	0	4.9%
76.5%	4	5	0	2.7%
77.8%	4	5	0	1.7%
79.0%	4	4	0	0.0%
80.2%	4	4	0	-2.7%
81.5%	4	4	0	-2.4%
82.7%	4	4	0	-1.6%
84.0%	4	4	0	-1.9%
85.2%	4	4	0	-4.3%
86.4%	4	4	0	-4.3%
87.7%	4	4	0	4.2%
88.9%	4	4	0	5.0%
90.1%	4	4	0	4.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	12	12	0	0.3%
4.9%	11	12	0	2.6%
6.2%	11	11	0	0.0%
7.4%	10	10	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	9	9	0	0.0%
13.6%	9	9	0	0.0%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	8	8	0	0.5%
19.8%	8	8	0	-1.2%
21.0%	8	8	0	0.0%
22.2%	8	8	0	0.0%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.2%
25.9%	7	7	0	3.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	-1.5%
29.6%	7	7	0	-2.2%
30.9%	7	7	0	-2.3%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	0.5%
34.6%	6	6	0	0.2%
35.8%	6	6	0	0.4%
37.0%	6	6	0	7.1%
38.3%	6	6	0	2.2%
39.5%	6	6	0	1.6%
40.7%	5	6	0	3.1%
42.0%	5	6	0	3.2%
43.2%	5	6	0	4.6%
44.4%	5	5	0	5.8%
45.7%	5	5	0	7.4%
46.9%	5	5	0	2.6%
48.1%	5	5	0	1.8%
49.4%	5	5	0	1.0%
50.6%	5	5	0	0.3%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	5	5	0	1.1%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.8%
80.2%	5	5	0	-1.0%
81.5%	5	5	0	0.0%
82.7%	4	5	0	2.2%
84.0%	4	4	0	-2.7%
85.2%	4	4	0	-3.8%
86.4%	4	4	0	-5.3%
87.7%	4	4	0	-4.7%
88.9%	4	4	0	-3.4%
90.1%	4	4	0	-0.2%
91.4%	4	4	0	4.0%
92.6%	4	4	0	2.3%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

Table SW-58-3b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	0.0%
2.5%	11	11	0	0.0%
3.7%	11	11	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.2%
7.4%	11	11	0	-0.3%
8.6%	11	11	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.4%
22.2%	9	9	0	0.8%
23.5%	9	9	0	0.9%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	-1.0%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	-0.6%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.7%
38.3%	7	7	0	0.0%
39.5%	7	7	0	-2.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	-0.5%
43.2%	7	7	0	-1.0%
44.4%	7	6	0	-6.9%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-0.5%
49.4%	6	6	0	0.4%
50.6%	6	6	0	1.2%
51.9%	6	6	0	2.1%
53.1%	5	6	0	5.3%
54.3%	5	6	0	2.9%
55.6%	5	5	0	0.8%
56.8%	5	5	0	3.4%
58.0%	5	5	0	9.4%
59.3%	5	5	0	7.0%
60.5%	5	5	0	2.4%
61.7%	5	5	0	-0.4%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	3.1%
70.4%	4	5	0	3.9%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	1.3%
85.2%	4	4	0	0.7%
86.4%	4	4	0	0.0%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	-1.7%
91.4%	4	4	0	-0.3%
92.6%	4	4	0	-3.2%
93.8%	4	4	0	-0.4%
95.1%	4	4	0	0.7%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	11	0	1.7%
3.7%	10	10	0	0.1%
4.9%	10	10	0	0.7%
6.2%	10	10	0	0.0%
7.4%	10	10	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	3.5%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	0.0%
18.5%	8	8	0	0.0%
19.8%	7	7	0	-0.1%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	-0.1%
27.2%	7	7	0	-0.2%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.8%
43.2%	6	6	0	0.1%
44.4%	6	6	0	0.9%
45.7%	6	6	0	0.1%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	1.0%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.7%
53.1%	5	5	0	5.6%
54.3%	5	5	0	6.2%
55.6%	5	5	0	6.3%
56.8%	5	5	0	1.9%
58.0%	5	5	0	2.4%
59.3%	5	5	0	2.5%
60.5%	5	5	0	4.1%
61.7%	5	5	0	2.3%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.2%
69.1%	5	5	0	1.1%
70.4%	5	5	0	5.1%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.5%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.3%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.1%
81.5%	4	4	0	-1.2%
82.7%	4	4	0	-0.3%
84.0%	4	4	0	-0.7%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.8%
88.9%	4	4	0	-1.7%
90.1%	4	4	0	-2.2%
91.4%	4	4	0	-0.7%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	9	9	0	0.0%
3.7%	9	9	0	0.0%
4.9%	9	9	0	0.0%
6.2%	8	8	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.2%
22.2%	7	7	0	-0.3%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.4%
25.9%	7	7	0	0.7%
27.2%	7	7	0	0.0%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.3%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.2%
33.3%	6	7	0	2.0%
34.6%	6	6	0	2.3%
35.8%	6	6	0	3.5%
37.0%	6	6	0	3.9%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	2.9%
42.0%	6	6	0	1.5%
43.2%	6	6	0	0.4%
44.4%	6	6	0	0.1%
45.7%	6	6	0	-0.2%
46.9%	6	6	0	-0.1%
48.1%	6	6	0	-0.7%
49.4%	5	5	0	0.0%
50.6%	5	5	0	1.5%
51.9%	5	5	0	0.3%
53.1%	5	5	0	1.5%
54.3%	5	5	0	0.7%
55.6%	5	5	0	0.0%
56.8%	5	5	0	-0.5%
58.0%	5	5	0	-0.1%
59.3%	5	5	0	1.7%
60.5%	5	5	0	0.9%
61.7%	5	5	0	0.1%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-0.6%
67.9%	5	5	0	-0.6%
69.1%	5	5	0	-1.2%
70.4%	5	5	0	-1.2%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	-1.1%
79.0%	4	4	0	-0.2%
80.2%	4	4	0	-1.6%
81.5%	4	4	0	-1.2%
82.7%	4	4	0	-0.9%
84.0%	4	4	0	-0.9%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.4%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.3%
92.6%	4	4	0	1.6%
93.8%	4	4	0	2.4%
95.1%	4	4	0	2.5%
96.3%	4	4	0	3.9%
97.5%	4	4	0	1.9%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	0.0%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	7	7	0	-0.2%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.0%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	-0.3%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	-0.3%
40.7%	6	6	0	-0.2%
42.0%	6	6	0	-0.1%
43.2%	6	6	0	-0.8%
44.4%	6	6	0	-0.6%
45.7%	6	6	0	-3.1%
46.9%	6	6	0	-1.3%
48.1%	6	6	0	-0.2%
49.4%	6	6	0	-0.1%
50.6%	6	6	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	-0.2%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	-0.1%
58.0%	5	5	0	0.0%
59.3%	5	5	0	-1.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.3%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.8%
75.3%	4	4	0	-0.1%
76.5%	4	4	0	1.8%
77.8%	4	4	0	0.9%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.6%
82.7%	4	4	0	2.8%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	4.2%
88.9%	4	4	0	4.5%
90.1%	4	4	0	4.0%
91.4%	4	4	0	4.2%
92.6%	4	4	0	3.7%
93.8%	4	4	0	3.1%
95.1%	4	4	0	3.0%
96.3%	4	4	0	3.9%
97.5%	4	4	0	2.1%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.0%

Table SW-58-3b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	-0.1%
18.5%	7	7	0	-0.1%
19.8%	7	7	0	0.0%
21.0%	7	7	0	1.5%
22.2%	7	7	0	-0.4%
23.5%	7	7	0	-1.2%
24.7%	7	7	0	-1.2%
25.9%	7	7	0	-1.1%
27.2%	7	7	0	-1.9%
28.4%	7	7	0	1.1%
29.6%	6	7	0	1.9%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-4.8%
33.3%	6	6	0	-5.6%
34.6%	6	6	0	-3.0%
35.8%	6	6	0	-2.6%
37.0%	6	6	0	-2.2%
38.3%	6	6	0	-1.0%
39.5%	6	6	0	-0.5%
40.7%	6	6	0	-0.4%
42.0%	6	6	0	-0.7%
43.2%	6	6	0	-0.4%
44.4%	6	6	0	-2.0%
45.7%	6	6	0	-2.7%
46.9%	6	6	0	-2.2%
48.1%	6	6	0	-2.1%
49.4%	6	5	0	-2.7%
50.6%	6	5	0	-2.7%
51.9%	6	5	0	-2.5%
53.1%	6	5	0	-2.6%
54.3%	5	5	0	-4.0%
55.6%	5	5	0	-4.3%
56.8%	5	5	0	-4.7%
58.0%	5	5	0	-3.9%
59.3%	5	5	0	-3.4%
60.5%	5	5	0	-3.7%
61.7%	5	5	0	-3.8%
63.0%	5	5	0	-2.7%
64.2%	5	5	0	-2.3%
65.4%	5	5	0	-0.8%
66.7%	5	5	0	-0.3%
67.9%	5	5	0	1.4%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.0%
80.2%	5	5	0	0.4%
81.5%	5	5	0	0.5%
82.7%	5	5	0	1.5%
84.0%	5	5	0	5.6%
85.2%	5	5	0	3.7%
86.4%	4	5	0	5.6%
87.7%	4	5	0	6.6%
88.9%	4	5	0	6.7%
90.1%	4	4	0	5.0%
91.4%	4	4	0	1.1%
92.6%	4	4	0	-0.9%
93.8%	4	4	0	0.7%
95.1%	4	4	0	0.5%
96.3%	4	4	0	7.1%
97.5%	4	4	0	2.4%
98.8%	3	4	0	3.6%
100.0%	3	4	0	15.4%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	-0.3%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.5%
14.8%	7	7	0	-3.5%
16.0%	7	7	0	-5.7%
17.3%	7	7	0	-5.9%
18.5%	7	7	0	-5.9%
19.8%	7	7	0	-6.1%
21.0%	7	7	0	-6.6%
22.2%	7	7	0	-6.6%
23.5%	7	7	0	-6.8%
24.7%	7	7	-1	-7.7%
25.9%	7	7	-1	-7.8%
27.2%	7	7	-1	-7.9%
28.4%	7	7	-1	-7.9%
29.6%	7	7	-1	-8.1%
30.9%	7	6	-1	-9.8%
32.1%	7	6	-1	-9.6%
33.3%	7	6	-1	-9.3%
34.6%	7	6	-1	-8.5%
35.8%	7	6	-1	-8.6%
37.0%	7	6	-1	-8.9%
38.3%	7	6	-1	-9.6%
39.5%	7	6	-1	-10.1%
40.7%	7	6	-1	-12.4%
42.0%	7	6	-1	-12.1%
43.2%	7	6	-1	-12.5%
44.4%	7	6	-1	-10.5%
45.7%	7	6	-1	-10.2%
46.9%	6	6	-1	-9.2%
48.1%	6	6	-1	-9.6%
49.4%	6	6	-1	-9.5%
50.6%	6	6	-1	-8.1%
51.9%	6	6	0	-7.4%
53.1%	6	6	0	-7.1%
54.3%	6	6	0	-8.0%
55.6%	6	6	0	-6.4%
56.8%	6	6	0	-6.6%
58.0%	6	6	0	-5.9%
59.3%	6	6	0	-5.1%
60.5%	6	6	0	-4.1%
61.7%	6	6	0	-4.1%
63.0%	6	6	0	-4.4%
64.2%	6	6	0	-3.6%
65.4%	6	6	0	-3.5%
66.7%	6	6	0	-3.0%
67.9%	6	6	0	-2.8%
69.1%	6	6	0	-2.7%
70.4%	6	6	0	-2.3%
71.6%	6	6	0	-2.2%
72.8%	6	6	0	-1.9%
74.1%	6	5	0	-2.9%
75.3%	6	5	0	-2.8%
76.5%	6	5	0	-2.2%
77.8%	6	5	0	-2.2%
79.0%	6	5	0	-2.2%
80.2%	5	5	0	-1.4%
81.5%	5	5	0	-3.6%
82.7%	5	5	0	-2.9%
84.0%	5	5	0	1.9%
85.2%	5	5	0	-2.5%
86.4%	5	5	0	-0.1%
87.7%	5	5	0	-1.7%
88.9%	5	5	0	-2.2%
90.1%	5	5	0	-2.8%
91.4%	5	5	0	-2.2%
92.6%	5	5	0	0.1%
93.8%	4	5	0	1.8%
95.1%	4	5	1	17.3%
96.3%	4	4	1	17.8%
97.5%	4	4	1	13.9%
98.8%	3	4	0	14.3%
100.0%	3	3	0	-2.5%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.4%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	1.1%
6.2%	7	7	0	0.5%
7.4%	7	7	0	0.3%
8.6%	7	7	0	0.3%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	6	6	0	0.0%
13.6%	6	6	0	0.0%
14.8%	6	6	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.4%
18.5%	6	6	0	-0.1%
19.8%	6	6	0	-0.4%
21.0%	6	6	0	1.2%
22.2%	6	6	0	1.0%
23.5%	6	6	0	0.9%
24.7%	6	6	0	0.7%
25.9%	6	6	0	0.4%
27.2%	6	6	0	1.3%
28.4%	6	6	0	0.9%
29.6%	6	6	0	1.2%
30.9%	6	6	0	0.3%
32.1%	6	6	0	0.3%
33.3%	6	6	0	2.4%
34.6%	6	6	0	2.8%
35.8%	6	6	0	2.2%
37.0%	6	6	0	2.4%
38.3%	6	6	0	2.2%
39.5%	6	6	0	3.2%
40.7%	6	6	0	3.9%
42.0%	6	6	0	3.7%
43.2%	6	6	0	3.7%
44.4%	6	6	0	3.6%
45.7%	6	6	0	3.6%
46.9%	5	6	0	4.3%
48.1%	5	6	0	4.7%
49.4%	5	6	0	4.3%
50.6%	5	6	0	4.6%
51.9%	5	6	0	5.1%
53.1%	5	6	0	5.0%
54.3%	5	6	0	4.4%
55.6%	5	5	0	3.4%
56.8%	5	5	0	3.8%
58.0%	5	5	0	2.9%
59.3%	5	5	0	-0.5%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.3%
63.0%	5	5	0	-1.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.2%
66.7%	5	5	0	1.5%
67.9%	5	5	0	0.0%
69.1%	5	5	0	2.6%
70.4%	5	5	0	2.3%
71.6%	5	5	0	1.4%
72.8%	5	5	0	1.4%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	2.0%
79.0%	5	5	0	5.4%
80.2%	4	5	0	6.6%
81.5%	4	5	0	5.6%
82.7%	4	5	0	5.3%
84.0%	4	5	0	5.6%
85.2%	4	4	0	3.5%
86.4%	4	4	0	5.1%
87.7%	4	4	0	10.3%
88.9%	4	4	0	7.9%
90.1%	4	4	0	7.9%
91.4%	4	4	0	5.2%
92.6%	4	4	0	5.9%
93.8%	4	4	0	6.0%
95.1%	4	4	0	5.9%
96.3%	4	4	0	5.1%
97.5%	4	4	0	1.0%
98.8%	4	4	0	1.4%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative A Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	-2.8%
3.7%	7	7	0	-3.5%
4.9%	7	7	0	-3.6%
6.2%	7	7	0	-3.9%
7.4%	7	7	0	-3.8%
8.6%	7	7	0	-3.7%
9.9%	7	7	0	-3.1%
11.1%	7	7	0	-4.0%
12.3%	7	7	0	-3.6%
13.6%	7	7	0	-2.6%
14.8%	7	7	0	-2.5%
16.0%	7	7	0	-2.7%
17.3%	7	7	0	-2.4%
18.5%	7	7	0	-2.5%
19.8%	7	7	0	-2.7%
21.0%	7	7	0	-2.5%
22.2%	7	7	0	-2.1%
23.5%	7	7	0	-2.2%
24.7%	7	7	0	-2.0%
25.9%	7	6	0	-2.1%
27.2%	7	6	0	-0.9%
28.4%	6	6	0	-0.3%
29.6%	6	6	0	-0.2%
30.9%	6	6	0	-0.1%
32.1%	6	6	0	0.0%
33.3%	6	6	0	2.1%
34.6%	6	6	0	3.2%
35.8%	6	6	0	6.1%
37.0%	6	6	0	5.5%
38.3%	6	6	0	4.1%
39.5%	6	6	0	3.9%
40.7%	6	6	0	5.3%
42.0%	6	6	0	4.8%
43.2%	6	6	0	4.1%
44.4%	6	6	0	5.9%
45.7%	5	6	0	4.7%
46.9%	5	6	0	1.2%
48.1%	5	6	0	2.0%
49.4%	5	5	0	3.0%
50.6%	5	5	0	3.4%
51.9%	5	5	0	1.4%
53.1%	5	5	0	3.7%
54.3%	5	5	0	2.2%
55.6%	5	5	0	1.9%
56.8%	5	5	0	1.3%
58.0%	5	5	0	-1.1%
59.3%	5	5	0	-2.4%
60.5%	5	5	0	-2.8%
61.7%	5	5	0	-2.8%
63.0%	5	5	0	-1.8%
64.2%	5	5	0	-4.0%
65.4%	5	5	0	-2.8%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	-1.9%
69.1%	5	5	0	-0.4%
70.4%	5	5	0	1.3%
71.6%	5	5	0	0.0%
72.8%	5	5	0	-0.1%
74.1%	5	5	0	-0.3%
75.3%	5	5	0	-0.4%
76.5%	5	5	0	-1.0%
77.8%	5	4	0	-2.0%
79.0%	4	4	0	-0.2%
80.2%	4	4	0	-0.2%
81.5%	4	4	0	3.6%
82.7%	4	4	0	4.2%
84.0%	4	4	0	7.3%
85.2%	4	4	0	7.9%
86.4%	4	4	0	7.4%
87.7%	4	4	0	6.5%
88.9%	4	4	0	7.3%
90.1%	4	4	0	7.5%
91.4%	4	4	0	8.9%
92.6%	4	4	0	7.9%
93.8%	4	4	0	5.9%
95.1%	4	4	0	5.4%
96.3%	4	4	0	2.0%
97.5%	3	4	0	9.2%
98.8%	3	3	0	0.9%
100.0%	3	3	0	1.1%

Alternative B Compared to No Action Alternative

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Table SW-01-5a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative B	1,352	1,365	1,415	1,475	1,581	1,701	1,850	1,846	1,811	1,675	1,541	1,416
Difference	47	50	48	44	41	35	35	36	37	40	47	42
Percent Difference[3]	3.6%	3.8%	3.5%	3.1%	2.6%	2.1%	1.9%	2.0%	2.1%	2.4%	3.1%	3.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative B	1,750	1,759	1,774	1,782	1,936	2,065	2,243	2,277	2,255	2,126	2,004	1,854
Difference	15	14	13	33	25	14	13	13	14	12	10	10
Percent Difference	0.8%	0.8%	0.8%	1.9%	1.3%	0.7%	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative B	1,592	1,594	1,622	1,573	1,724	1,893	2,065	2,069	2,041	1,919	1,787	1,652
Difference	57	64	65	55	57	56	58	57	57	59	65	67
Percent Difference	3.7%	4.2%	4.2%	3.6%	3.4%	3.0%	2.9%	2.8%	2.9%	3.2%	3.8%	4.3%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative B	1,277	1,311	1,388	1,368	1,440	1,536	1,712	1,696	1,653	1,527	1,401	1,299
Difference	55	58	50	43	41	40	40	40	44	48	56	58
Percent Difference	4.5%	4.6%	3.8%	3.2%	2.9%	2.7%	2.4%	2.4%	2.7%	3.3%	4.2%	4.7%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative B	1,126	1,141	1,247	1,381	1,459	1,581	1,716	1,671	1,612	1,450	1,296	1,181
Difference	58	63	61	47	45	38	36	40	42	39	53	48
Percent Difference	5.4%	5.8%	5.1%	3.5%	3.2%	2.5%	2.1%	2.5%	2.7%	2.7%	4.3%	4.3%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative B	678	681	710	978	1,019	1,091	1,150	1,128	1,099	964	826	718
Difference	83	85	81	54	53	52	51	52	50	71	86	60
Percent Difference	13.9%	14.2%	12.8%	5.8%	5.5%	5.0%	4.6%	4.8%	4.7%	7.9%	11.6%	9.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

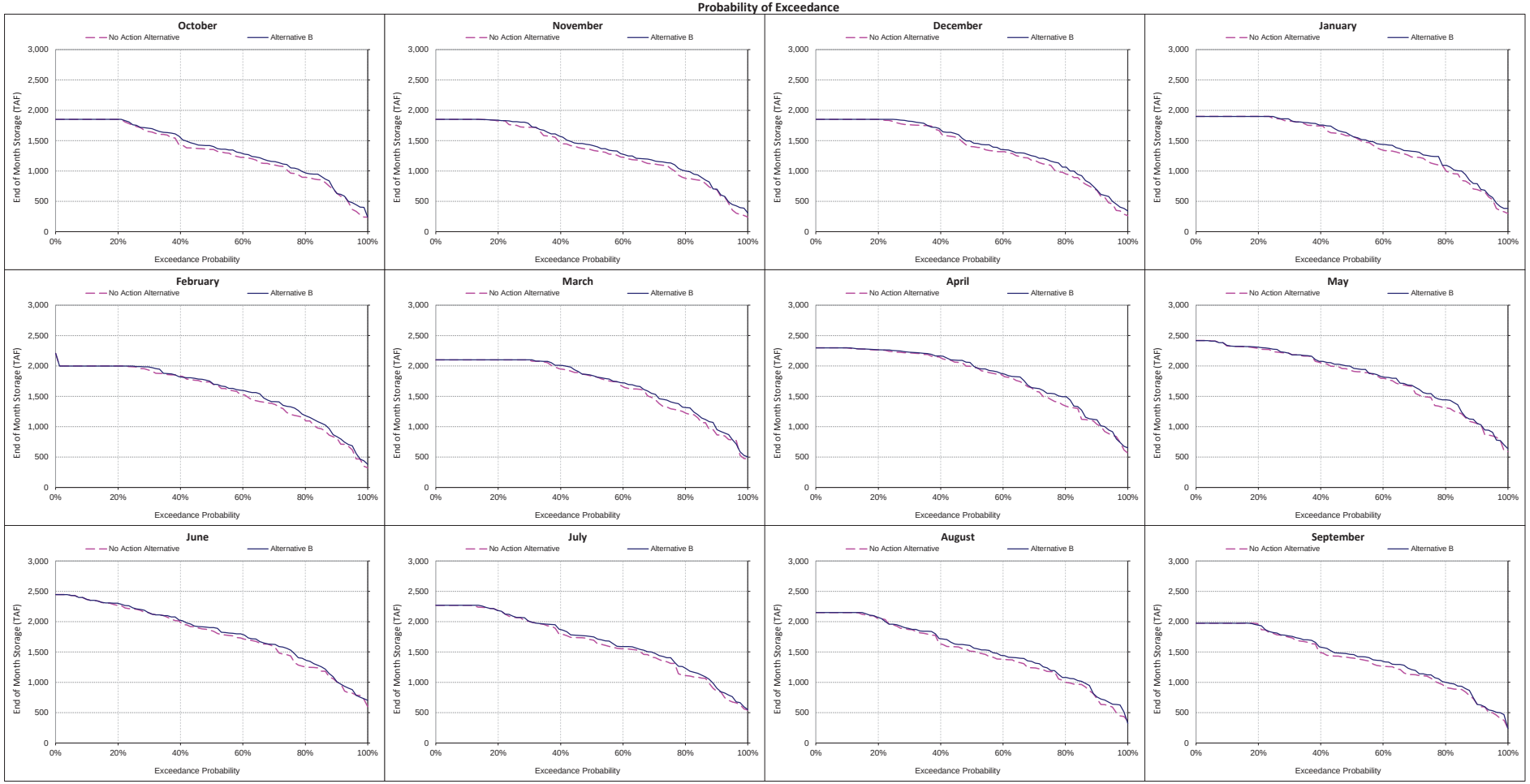

Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,830	23	1.3%
23.5%	1,781	1,807	26	1.5%
24.7%	1,755	1,763	8	0.4%
25.9%	1,732	1,754	22	1.2%
27.2%	1,714	1,718	4	0.2%
28.4%	1,672	1,713	40	2.4%
29.6%	1,652	1,706	54	3.3%
30.9%	1,642	1,699	57	3.5%
32.1%	1,619	1,673	55	3.4%
33.3%	1,605	1,649	45	2.8%
34.6%	1,603	1,638	35	2.2%
35.8%	1,592	1,633	41	2.6%
37.0%	1,548	1,623	75	4.8%
38.3%	1,544	1,610	66	4.3%
39.5%	1,433	1,572	139	9.7%
40.7%	1,424	1,513	88	6.2%
42.0%	1,382	1,491	109	7.9%
43.2%	1,379	1,467	88	6.4%
44.4%	1,377	1,448	72	5.2%
45.7%	1,370	1,426	56	4.1%
46.9%	1,367	1,424	58	4.2%
48.1%	1,362	1,417	56	4.1%
49.4%	1,356	1,417	61	4.5%
50.6%	1,355	1,400	46	3.4%
51.9%	1,323	1,369	46	3.5%
53.1%	1,315	1,360	45	3.4%
54.3%	1,299	1,358	59	4.6%
55.6%	1,294	1,345	50	3.9%
56.8%	1,257	1,344	87	6.9%
58.0%	1,239	1,311	72	5.8%
59.3%	1,225	1,298	73	6.0%
60.5%	1,224	1,278	53	4.4%
61.7%	1,214	1,271	57	4.7%
63.0%	1,201	1,240	39	3.2%
64.2%	1,179	1,230	51	4.3%
65.4%	1,134	1,219	85	7.5%
66.7%	1,126	1,191	65	5.8%
67.9%	1,124	1,171	46	4.1%
69.1%	1,102	1,157	55	5.0%
70.4%	1,098	1,154	57	5.2%
71.6%	1,082	1,137	55	5.1%
72.8%	1,075	1,113	38	3.5%
74.1%	1,018	1,108	90	8.9%
75.3%	965	1,050	85	8.8%
76.5%	959	1,046	87	9.1%
77.8%	936	1,028	92	9.8%
79.0%	896	989	93	10.4%
80.2%	895	966	72	8.0%
81.5%	885	952	66	7.5%
82.7%	869	947	78	9.0%
84.0%	858	947	89	10.4%
85.2%	855	908	53	6.2%
86.4%	807	866	58	7.2%
87.7%	751	837	86	11.4%
88.9%	700	715	15	2.2%
90.1%	633	629	-5	-0.7%
91.4%	583	613	30	5.2%
92.6%	580	584	3	0.6%
93.8%	483	500	17	3.6%
95.1%	367	479	112	30.6%
96.3%	334	442	108	32.2%
97.5%	281	403	123	43.6%
98.8%	240	400	160	66.7%
100.0%	240	240	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,846	-4	-0.2%
16.0%	1,845	1,845	0	0.0%
17.3%	1,843	1,843	0	0.0%
18.5%	1,840	1,840	0	0.0%
19.8%	1,828	1,837	9	0.5%
21.0%	1,828	1,829	1	0.1%
22.2%	1,825	1,828	4	0.2%
23.5%	1,765	1,826	61	3.4%
24.7%	1,754	1,814	60	3.4%
25.9%	1,753	1,813	60	3.4%
27.2%	1,727	1,805	78	4.5%
28.4%	1,722	1,803	81	4.7%
29.6%	1,722	1,788	66	3.8%
30.9%	1,720	1,728	7	0.4%
32.1%	1,719	1,719	-1	0.0%
33.3%	1,655	1,685	31	1.8%
34.6%	1,583	1,671	88	5.6%
35.8%	1,577	1,639	62	3.9%
37.0%	1,572	1,613	41	2.6%
38.3%	1,553	1,610	57	3.6%
39.5%	1,482	1,577	94	6.4%
40.7%	1,449	1,554	105	7.3%
42.0%	1,444	1,511	67	4.6%
43.2%	1,418	1,487	69	4.9%
44.4%	1,408	1,460	52	3.7%
45.7%	1,386	1,455	69	5.0%
46.9%	1,371	1,452	81	5.9%
48.1%	1,360	1,443	82	6.0%
49.4%	1,358	1,433	75	5.5%
50.6%	1,337	1,417	79	5.9%
51.9%	1,328	1,398	70	5.3%
53.1%	1,317	1,367	50	3.8%
54.3%	1,309	1,367	58	4.5%
55.6%	1,278	1,344	65	5.1%
56.8%	1,275	1,336	61	4.8%
58.0%	1,261	1,328	67	5.3%
59.3%	1,231	1,288	57	4.7%
60.5%	1,223	1,271	48	3.9%
61.7%	1,200	1,248	48	4.0%
63.0%	1,187	1,247	60	5.1%
64.2%	1,181	1,209	27	2.3%
65.4%	1,179	1,205	26	2.2%
66.7%	1,147	1,202	55	4.8%
67.9%	1,124	1,196	72	6.4%
69.1%	1,120	1,185	65	5.8%
70.4%	1,112	1,162	50	4.5%
71.6%	1,102	1,155	53	4.8%
72.8%	1,093	1,148	55	5.0%
74.1%	1,093	1,135	43	3.9%
75.3%	1,041	1,131	90	8.7%
76.5%	1,003	1,102	99	9.9%
77.8%	931	1,045	114	12.2%
79.0%	897	1,013	116	12.9%
80.2%	875	1,000	125	14.2%
81.5%	875	987	112	12.8%
82.7%	862	948	86	10.0%
84.0%	852	936	85	10.0%
85.2%	843	890	48	5.7%
86.4%	793	851	58	7.4%
87.7%	735	821	86	11.7%
88.9%	710	706	-5	-0.6%
90.1%	689	699	9	1.4%
91.4%	578	604	27	4.6%
92.6%	571	578	7	1.2%
93.8%	468	491	23	4.9%
95.1%	355	448	94	26.4%
96.3%	305	427	122	40.0%
97.5%	284	396	113	39.8%
98.8%	267	389	122	45.5%
100.0%	240	305	65	27.2%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,850	16	0.8%
24.7%	1,817	1,850	33	1.8%
25.9%	1,794	1,847	53	3.0%
27.2%	1,779	1,837	58	3.3%
28.4%	1,768	1,835	68	3.8%
29.6%	1,763	1,823	60	3.4%
30.9%	1,759	1,818	60	3.4%
32.1%	1,755	1,804	49	2.8%
33.3%	1,754	1,794	40	2.3%
34.6%	1,750	1,789	40	2.3%
35.8%	1,748	1,750	1	0.1%
37.0%	1,740	1,724	-16	-0.9%
38.3%	1,685	1,718	33	1.9%
39.5%	1,669	1,703	35	2.1%
40.7%	1,581	1,647	66	4.2%
42.0%	1,579	1,637	58	3.6%
43.2%	1,571	1,636	65	4.1%
44.4%	1,561	1,622	60	3.9%
45.7%	1,537	1,601	64	4.1%
46.9%	1,483	1,537	54	3.6%
48.1%	1,429	1,498	69	4.8%
49.4%	1,405	1,495	90	6.4%
50.6%	1,400	1,457	57	4.1%
51.9%	1,388	1,454	66	4.8%
53.1%	1,386	1,434	48	3.5%
54.3%	1,351	1,431	80	5.9%
55.6%	1,338	1,431	93	6.9%
56.8%	1,332	1,393	62	4.6%
58.0%	1,320	1,388	67	5.1%
59.3%	1,319	1,353	35	2.6%
60.5%	1,319	1,350	32	2.4%
61.7%	1,296	1,348	53	4.1%
63.0%	1,288	1,326	38	2.9%
64.2%	1,254	1,299	45	3.6%
65.4%	1,236	1,297	61	5.0%
66.7%	1,220	1,297	77	6.3%
67.9%	1,216	1,275	59	4.8%
69.1%	1,176	1,252	76	6.4%
70.4%	1,170	1,238	68	5.9%
71.6%	1,137	1,209	72	6.3%
72.8%	1,117	1,209	92	8.2%
74.1%	1,109	1,190	80	7.2%
75.3%	1,092	1,163	71	6.5%
76.5%	1,012	1,147	135	13.3%
77.8%	985	1,131	146	14.8%
79.0%	980	1,063	83	8.5%
80.2%	949	1,062	114	12.0%
81.5%	938	1,000	62	6.6%
82.7%	892	1,000	108	12.1%
84.0%	892	942	51	5.7%
85.2%	827	921	94	11.3%
86.4%	783	841	58	7.5%
87.7%	751	806	55	7.3%
88.9%	720	746	27	3.7%
90.1%	679	689	9	1.4%
91.4%	581	615	34	5.8%
92.6%	566	599	33	5.8%
93.8%	478	581	104	21.7%
95.1%	458	500	42	9.2%
96.3%	350	451	101	28.9%
97.5%	342	406	65	18.9%
98.8%	287	384	98	34.0%
100.0%	264	342	78	29.6%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,900	31	1.7%
25.9%	1,861	1,878	17	0.9%
27.2%	1,857	1,861	5	0.2%
28.4%	1,830	1,860	30	1.6%
29.6%	1,825	1,859	34	1.9%
30.9%	1,820	1,821	1	0.1%
32.1%	1,808	1,808	0	0.0%
33.3%	1,808	1,808	1	0.0%
34.6%	1,784	1,801	17	0.9%
35.8%	1,754	1,794	40	2.3%
37.0%	1,751	1,789	37	2.1%
38.3%	1,745	1,784	39	2.2%
39.5%	1,742	1,758	16	0.9%
40.7%	1,739	1,755	17	1.0%
42.0%	1,663	1,744	81	4.9%
43.2%	1,630	1,742	112	6.9%
44.4%	1,625	1,696	71	4.3%
45.7%	1,620	1,663	43	2.6%
46.9%	1,606	1,648	42	2.6%
48.1%	1,581	1,635	54	3.4%
49.4%	1,578	1,596	18	1.1%
50.6%	1,567	1,560	-6	-0.4%
51.9%	1,531	1,549	18	1.2%
53.1%	1,492	1,517	25	1.7%
54.3%	1,472	1,512	39	2.7%
55.6%	1,468	1,490	21	1.4%
56.8%	1,423	1,484	61	4.3%
58.0%	1,381	1,451	69	5.0%
59.3%	1,354	1,442	88	6.5%
60.5%	1,337	1,438	101	7.5%
61.7%	1,332	1,429	97	7.3%
63.0%	1,328	1,422	94	7.1%
64.2%	1,313	1,387	74	5.7%
65.4%	1,294	1,367	72	5.6%
66.7%	1,284	1,340	55	4.3%
67.9%	1,263	1,335	72	5.7%
69.1%	1,231	1,326	95	7.7%
70.4%	1,228	1,322	94	7.6%
71.6%	1,224	1,308	84	6.8%
72.8%	1,209	1,264	55	4.6%
74.1%	1,163	1,255	92	7.9%
75.3%	1,131	1,243	112	9.9%
76.5%	1,113	1,241	128	11.5%
77.8%	1,098	1,238	140	12.7%
79.0%	1,090	1,093	3	0.3%
80.2%	996	1,093	97	9.7%
81.5%	973	1,064	91	9.3%
82.7%	954	1,016	62	6.5%
84.0%	950	1,005	55	5.8%
85.2%	843	1,000	157	18.6%
86.4%	833	940	107	12.8%
87.7%	792	851	58	7.4%
88.9%	704	792	88	12.5%
90.1%	694	790	96	13.9%
91.4%	671	694	23	3.4%
92.6%	654	681	27	4.2%
93.8%	571	604	33	5.8%
95.1%	528	563	34	6.5%
96.3%	383	468	85	22.2%
97.5%	347	414	66	19.1%
98.8%	327	383	57	17.3%
100.0%	300	381	82	27.2%

Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,208	2,208	0	0.0%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	1,991	2,000	9	0.5%
24.7%	1,988	2,000	12	0.6%
25.9%	1,985	1,991	6	0.3%
27.2%	1,957	1,990	33	1.7%
28.4%	1,955	1,988	33	1.7%
29.6%	1,935	1,985	50	2.6%
30.9%	1,914	1,974	60	3.1%
32.1%	1,880	1,956	76	4.0%
33.3%	1,876	1,948	72	3.8%
34.6%	1,875	1,881	5	0.3%
35.8%	1,859	1,875	17	0.9%
37.0%	1,853	1,872	18	1.0%
38.3%	1,853	1,855	2	0.1%
39.5%	1,837	1,824	-12	-0.7%
40.7%	1,828	1,815	-13	-0.7%
42.0%	1,784	1,806	21	1.2%
43.2%	1,778	1,805	28	1.6%
44.4%	1,766	1,799	34	1.9%
45.7%	1,761	1,784	23	1.3%
46.9%	1,739	1,781	42	2.4%
48.1%	1,737	1,766	29	1.7%
49.4%	1,737	1,752	15	0.9%
50.6%	1,694	1,698	5	0.3%
51.9%	1,685	1,694	8	0.5%
53.1%	1,630	1,671	41	2.5%
54.3%	1,628	1,660	31	1.9%
55.6%	1,601	1,631	30	1.9%
56.8%	1,592	1,629	36	2.3%
58.0%	1,580	1,610	29	1.9%
59.3%	1,524	1,599	75	4.9%
60.5%	1,523	1,594	71	4.6%
61.7%	1,482	1,575	94	6.3%
63.0%	1,439	1,563	125	8.7%
64.2%	1,428	1,563	135	9.5%
65.4%	1,413	1,539	126	8.9%
66.7%	1,404	1,474	70	5.0%
67.9%	1,390	1,439	48	3.5%
69.1%	1,385	1,414	30	2.2%
70.4%	1,364	1,411	47	3.5%
71.6%	1,322	1,406	84	6.4%
72.8%	1,298	1,353	55	4.2%
74.1%	1,233	1,333	100	8.2%
75.3%	1,202	1,329	126	10.5%
76.5%	1,185	1,304	119	10.1%
77.8%	1,172	1,267	95	8.1%
79.0%	1,155	1,208	54	4.6%
80.2%	1,095	1,178	83	7.6%
81.5%	1,094	1,150	56	5.1%
82.7%	1,021	1,115	94	9.2%
84.0%	977	1,084	107	10.9%
85.2%	965	1,057	93	9.6%
86.4%	924	1,028	104	11.2%
87.7%	861	967	107	12.4%
88.9%	834	870	36	4.3%
90.1%	812	835	23	2.8%
91.4%	710	795	85	12.0%
92.6%	710	743	33	4.7%
93.8%	675	704	29	4.3%
95.1%	619	685	66	10.7%
96.3%	469	556	88	18.7%
97.5%	466	467	1	0.1%
98.8%	349	436	87	24.9%
100.0%	322	383	61	19.0%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,100	2,100	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,100	2,100	0	0.0%
29.6%	2,100	2,100	0	0.0%
30.9%	2,079	2,100	21	1.0%
32.1%	2,078	2,079	1	0.1%
33.3%	2,076	2,079	2	0.1%
34.6%	2,069	2,076	7	0.3%
35.8%	2,054	2,074	20	1.0%
37.0%	2,008	2,054	46	2.3%
38.3%	1,983	2,012	29	1.4%
39.5%	1,955	2,010	55	2.8%
40.7%	1,946	2,008	63	3.2%
42.0%	1,933	1,995	62	3.2%
43.2%	1,915	1,983	68	3.6%
44.4%	1,893	1,938	45	2.4%
45.7%	1,892	1,907	15	0.8%
46.9%	1,867	1,866	-1	-0.1%
48.1%	1,855	1,860	4	0.2%
49.4%	1,841	1,855	13	0.7%
50.6%	1,826	1,837	12	0.6%
51.9%	1,815	1,816	1	0.1%
53.1%	1,788	1,804	16	0.9%
54.3%	1,770	1,794	24	1.4%
55.6%	1,754	1,787	33	1.9%
56.8%	1,742	1,751	9	0.5%
58.0%	1,741	1,742	1	0.1%
59.3%	1,680	1,726	47	2.8%
60.5%	1,646	1,722	76	4.6%
61.7%	1,630	1,696	67	4.1%
63.0%	1,622	1,690	68	4.2%
64.2%	1,621	1,668	47	2.9%
65.4%	1,615	1,661	46	2.9%
66.7%	1,602	1,613	12	0.7%
67.9%	1,506	1,588	82	5.5%
69.1%	1,483	1,548	65	4.4%
70.4%	1,444	1,530	86	6.0%
71.6%	1,381	1,460	79	5.7%
72.8%	1,334	1,451	117	8.7%
74.1%	1,324	1,438	114	8.6%
75.3%	1,294	1,408	114	8.8%
76.5%	1,284	1,393	109	8.5%
77.8%	1,270	1,379	108	8.5%
79.0%	1,252	1,322	70	5.6%
80.2%	1,221	1,315	95	7.8%
81.5%	1,202	1,308	106	8.9%
82.7%	1,197	1,241	44	3.7%
84.0%	1,147	1,198	51	4.5%
85.2%	1,066	1,142	77	7.2%
86.4%	1,065	1,116	51	4.8%
87.7%	951	1,083	132	13.9%
88.9%	951	1,070	120	12.6%
90.1%	864	951	87	10.1%
91.4%	863	922	60	6.9%
92.6%	848	895	48	5.7%
93.8%	789	868	79	10.1%
95.1%	780	790	9	1.2%
96.3%	771	713	-58	-7.5%
97.5%	528	588	61	11.5%
98.8%	475	528	54	11.3%
100.0%	466	500	34	7.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,290	2,300	10	0.4%
12.3%	2,283	2,288	5	0.2%
13.6%	2,283	2,283	0	0.0%
14.8%	2,278	2,282	4	0.2%
16.0%	2,276	2,278	2	0.1%
17.3%	2,269	2,276	7	0.3%
18.5%	2,266	2,272	6	0.3%
19.8%	2,263	2,267	4	0.2%
21.0%	2,261	2,266	5	0.2%
22.2%	2,259	2,266	7	0.3%
23.5%	2,241	2,264	22	1.0%
24.7%	2,234	2,257	24	1.1%
25.9%	2,226	2,250	24	1.1%
27.2%	2,225	2,247	22	1.0%
28.4%	2,218	2,234	15	0.7%
29.6%	2,218	2,229	11	0.5%
30.9%	2,214	2,225	11	0.5%
32.1%	2,208	2,218	10	0.5%
33.3%	2,205	2,218	12	0.6%
34.6%	2,191	2,210	19	0.9%
35.8%	2,190	2,205	15	0.7%
37.0%	2,161	2,191	30	1.4%
38.3%	2,153	2,167	14	0.7%
39.5%	2,149	2,167	18	0.9%
40.7%	2,117	2,161	45	2.1%
42.0%	2,101	2,132	30	1.4%
43.2%	2,095	2,103	8	0.4%
44.4%	2,063	2,097	34	1.6%
45.7%	2,059	2,094	36	1.7%
46.9%	2,052	2,092	40	1.9%
48.1%	1,997	2,064	67	3.4%
49.4%	1,995	2,059	64	3.2%
50.6%	1,972	1,994	21	1.1%
51.9%	1,967	1,958	-9	-0.5%
53.1%	1,918	1,951	33	1.7%
54.3%	1,913	1,950	37	1.9%
55.6%	1,889	1,925	35	1.9%
56.8%	1,878	1,916	38	2.0%
58.0%	1,864	1,904	40	2.1%
59.3%	1,862	1,879	17	0.9%
60.5%	1,823	1,866	43	2.4%
61.7%	1,811	1,840	29	1.6%
63.0%	1,798	1,827	29	1.6%
64.2%	1,761	1,823	62	3.5%
65.4%	1,744	1,817	74	4.2%
66.7%	1,707	1,760	53	3.1%
67.9%	1,660	1,684	25	1.5%
69.1%	1,641	1,642	1	0.1%
70.4%	1,582	1,636	54	3.4%
71.6%	1,571	1,627	56	3.6%
72.8%	1,496	1,598	102	6.8%
74.1%	1,486	1,551	65	4.4%
75.3%	1,449	1,548	99	6.8%
76.5%	1,416	1,541	125	8.8%
77.8%	1,406	1,505	99	7.0%
79.0%	1,362	1,495	133	9.7%
80.2%	1,337	1,494	157	11.8%
81.5%	1,316	1,439	122	9.3%
82.7%	1,311	1,341	30	2.3%
84.0%	1,299	1,331	31	2.4%
85.2%	1,121	1,273	152	13.6%
86.4%	1,118	1,155	37	3.4%
87.7%	1,105	1,129	24	2.2%
88.9%	1,096	1,122	25	2.3%
90.1%	1,038	1,113	75	7.2%
91.4%	1,006	1,015	9	0.9%
92.6%	920	1,000	80	8.7%
93.8%	887	945	58	6.5%
95.1%	855	918	63	7.3%
96.3%	838	797	-41	-4.9%
97.5%	742	742	1	0.1%
98.8%	615	678	63	10.2%
100.0%	565	649	84	14.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,420	2,420	0	0.0%
1.2%	2,420	2,420	0	0.0%
2.5%	2,420	2,420	0	0.0%
3.7%	2,420	2,420	0	0.0%
4.9%	2,411	2,411	0	0.0%
6.2%	2,410	2,410	0	0.0%
7.4%	2,386	2,384	-2	-0.1%
8.6%	2,384	2,384	0	0.0%
9.9%	2,330	2,341	12	0.5%
11.1%	2,325	2,328	3	0.1%
12.3%	2,323	2,325	2	0.1%
13.6%	2,321	2,324	3	0.1%
14.8%	2,318	2,322	4	0.2%
16.0%	2,318	2,321	3	0.1%
17.3%	2,310	2,318	8	0.3%
18.5%	2,301	2,317	16	0.7%
19.8%	2,292	2,310	19	0.8%
21.0%	2,276	2,301	25	1.1%
22.2%	2,274	2,298	24	1.1%
23.5%	2,272	2,292	20	0.9%
24.7%	2,234	2,276	41	1.8%
25.9%	2,229	2,272	43	1.9%
27.2%	2,221	2,234	13	0.6%
28.4%	2,215	2,226	11	0.5%
29.6%	2,214	2,213	-1	0.0%
30.9%	2,185	2,185	0	0.0%
32.1%	2,183	2,183	0	0.0%
33.3%	2,173	2,182	8	0.4%
34.6%	2,163	2,173	10	0.5%
35.8%	2,162	2,171	8	0.4%
37.0%	2,158	2,163	5	0.2%
38.3%	2,077	2,105	28	1.3%
39.5%	2,061	2,077	17	0.8%
40.7%	2,039	2,075	36	1.7%
42.0%	2,033	2,061	28	1.4%
43.2%	1,997	2,054	57	2.8%
44.4%	1,992	2,031	38	1.9%
45.7%	1,987	2,029	42	2.1%
46.9%	1,957	2,015	58	3.0%
48.1%	1,955	2,002	47	2.4%
49.4%	1,930	2,000	70	3.6%
50.6%	1,911	1,959	48	2.5%
51.9%	1,905	1,951	46	2.4%
53.1%	1,904	1,945	41	2.2%
54.3%	1,890	1,944	54	2.8%
55.6%	1,888	1,875	-13	-0.7%
56.8%	1,859	1,874	14	0.8%
58.0%	1,840	1,857	17	0.9%
59.3%	1,798	1,825	28	1.5%
60.5%	1,794	1,813	19	1.0%
61.7%	1,771	1,811	40	2.3%
63.0%	1,756	1,798	42	2.4%
64.2%	1,716	1,798	82	4.8%
65.4%	1,696	1,714	18	1.0%
66.7%	1,689	1,710	21	1.3%
67.9%	1,673	1,688	15	0.9%
69.1%	1,664	1,683	19	1.2%
70.4%	1,546	1,646	99	6.4%
71.6%	1,517	1,615	99	6.5%
72.8%	1,491	1,562	72	4.8%
74.1%	1,490	1,545	55	3.7%
75.3%	1,479	1,544	65	4.4%
76.5%	1,348	1,480	132	9.8%
77.8%	1,339	1,453	115	8.6%
79.0%	1,319	1,444	124	9.4%
80.2%	1,310	1,441	132	10.0%
81.5%	1,298	1,435	137	10.5%
82.7%	1,255	1,396	141	11.2%
84.0%	1,239	1,363	124	10.0%
85.2%	1,210	1,243	34	2.8%
86.4%	1,149	1,158	9	0.8%
87.7%	1,088	1,128	39	3.6%
88.9%	1,071	1,121	50	4.6%
90.1%	1,051	1,052	1	0.1%
91.4%	1,036	1,032	-5	-0.4%
92.6%	868	947	79	9.1%
93.8%	862	941	79	9.2%
95.1%	848	906	58	6.8%
96.3%	827	780	-47	-5.7%
97.5%	779	770	-9	-1.2%
98.8%	603	701	98	16.3%
100.0%	588	637	48	8.2%

Table SW-01-5b
Trinity Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,401	0	0.0%
8.6%	2,397	2,397	0	0.0%
9.9%	2,367	2,367	0	0.0%
11.1%	2,353	2,351	-2	-0.1%
12.3%	2,349	2,351	2	0.1%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,320	5	0.2%
16.0%	2,304	2,307	3	0.1%
17.3%	2,304	2,307	3	0.1%
18.5%	2,285	2,304	19	0.8%
19.8%	2,268	2,303	35	1.5%
21.0%	2,265	2,286	22	1.0%
22.2%	2,226	2,266	40	1.8%
23.5%	2,214	2,263	49	2.2%
24.7%	2,211	2,226	14	0.6%
25.9%	2,204	2,212	8	0.4%
27.2%	2,187	2,204	17	0.8%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,098	24	1.2%
37.0%	2,043	2,079	36	1.8%
38.3%	2,018	2,077	59	2.9%
39.5%	2,012	2,026	14	0.7%
40.7%	1,950	2,013	63	3.2%
42.0%	1,947	1,979	32	1.6%
43.2%	1,918	1,963	44	2.3%
44.4%	1,917	1,926	9	0.5%
45.7%	1,896	1,918	22	1.2%
46.9%	1,881	1,917	36	1.9%
48.1%	1,874	1,913	38	2.0%
49.4%	1,859	1,904	45	2.4%
50.6%	1,840	1,900	60	3.3%
51.9%	1,806	1,889	83	4.6%
53.1%	1,789	1,827	37	2.1%
54.3%	1,780	1,822	43	2.4%
55.6%	1,772	1,811	38	2.2%
56.8%	1,765	1,809	44	2.5%
58.0%	1,739	1,801	62	3.6%
59.3%	1,731	1,799	67	3.9%
60.5%	1,711	1,776	65	3.8%
61.7%	1,705	1,730	25	1.5%
63.0%	1,688	1,718	30	1.8%
64.2%	1,675	1,715	40	2.4%
65.4%	1,645	1,669	24	1.5%
66.7%	1,631	1,650	19	1.2%
67.9%	1,630	1,634	4	0.2%
69.1%	1,608	1,630	22	1.4%
70.4%	1,571	1,625	55	3.5%
71.6%	1,483	1,590	107	7.2%
72.8%	1,465	1,581	116	7.9%
74.1%	1,455	1,559	104	7.2%
75.3%	1,435	1,529	94	6.5%
76.5%	1,326	1,471	145	10.9%
77.8%	1,285	1,406	121	9.4%
79.0%	1,267	1,398	132	10.4%
80.2%	1,250	1,363	113	9.0%
81.5%	1,246	1,346	99	8.0%
82.7%	1,246	1,309	63	5.0%
84.0%	1,239	1,281	42	3.4%
85.2%	1,184	1,255	71	6.0%
86.4%	1,183	1,218	35	3.0%
87.7%	1,088	1,144	56	5.2%
88.9%	1,062	1,094	32	3.1%
90.1%	1,006	1,007	1	0.1%
91.4%	975	971	-5	-0.5%
92.6%	855	934	79	9.2%
93.8%	827	906	79	9.5%
95.1%	822	879	58	7.0%
96.3%	788	784	-4	-0.5%
97.5%	784	756	-28	-3.6%
98.8%	722	731	9	1.3%
100.0%	600	703	103	17.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,270	9	0.4%
13.6%	2,238	2,269	30	1.4%
14.8%	2,235	2,257	21	1.0%
16.0%	2,233	2,235	2	0.1%
17.3%	2,219	2,217	-1	-0.1%
18.5%	2,216	2,216	0	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,123	-1	-0.1%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,090	19	0.9%
25.9%	2,067	2,071	4	0.2%
27.2%	2,067	2,067	0	0.0%
28.4%	2,014	2,067	54	2.7%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,965	0	0.0%
34.6%	1,956	1,964	9	0.4%
35.8%	1,931	1,957	26	1.3%
37.0%	1,926	1,956	29	1.5%
38.3%	1,890	1,950	60	3.2%
39.5%	1,794	1,875	82	4.6%
40.7%	1,790	1,859	69	3.8%
42.0%	1,769	1,832	63	3.6%
43.2%	1,742	1,781	39	2.2%
44.4%	1,737	1,777	40	2.3%
45.7%	1,737	1,773	36	2.1%
46.9%	1,735	1,769	34	2.0%
48.1%	1,728	1,764	36	2.1%
49.4%	1,705	1,755	50	2.9%
50.6%	1,695	1,750	55	3.2%
51.9%	1,634	1,713	79	4.8%
53.1%	1,625	1,702	77	4.7%
54.3%	1,610	1,684	74	4.6%
55.6%	1,591	1,678	87	5.5%
56.8%	1,578	1,637	59	3.7%
58.0%	1,562	1,595	33	2.1%
59.3%	1,554	1,591	37	2.4%
60.5%	1,551	1,590	40	2.6%
61.7%	1,549	1,590	41	2.6%
63.0%	1,541	1,585	45	2.9%
64.2%	1,535	1,566	30	2.0%
65.4%	1,507	1,543	36	2.4%
66.7%	1,460	1,531	71	4.9%
67.9%	1,456	1,504	48	3.3%
69.1%	1,415	1,499	84	6.0%
70.4%	1,405	1,473	68	4.8%
71.6%	1,375	1,442	67	4.9%
72.8%	1,350	1,429	79	5.9%
74.1%	1,340	1,404	64	4.8%
75.3%	1,312	1,404	92	7.0%
76.5%	1,311	1,328	16	1.3%
77.8%	1,142	1,264	122	10.7%
79.0%	1,118	1,260	142	12.7%
80.2%	1,110	1,228	118	10.7%
81.5%	1,104	1,183	78	7.1%
82.7%	1,088	1,166	78	7.2%
84.0%	1,085	1,149	64	5.9%
85.2%	1,069	1,117	48	4.5%
86.4%	1,066	1,088	22	2.1%
87.7%	980	1,052	71	7.3%
88.9%	901	984	84	9.3%
90.1%	851	901	50	5.9%
91.4%	842	847	5	0.6%
92.6%	747	825	78	10.5%
93.8%	704	789	85	12.1%
95.1%	676	762	85	12.6%
96.3%	662	677	15	2.3%
97.5%	631	664	33	5.3%
98.8%	561	595	34	6.0%
100.0%	542	551	9	1.7%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,150	4	0.2%
14.8%	2,122	2,150	28	1.3%
16.0%	2,110	2,129	18	0.9%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,098	0	0.0%
19.8%	2,053	2,073	20	1.0%
21.0%	2,050	2,053	2	0.1%
22.2%	2,034	2,000	-34	-1.7%
23.5%	1,957	1,958	0	0.0%
24.7%	1,949	1,957	8	0.4%
25.9%	1,927	1,949	22	1.1%
27.2%	1,892	1,926	34	1.8%
28.4%	1,890	1,902	12	0.6%
29.6%	1,872	1,890	18	1.0%
30.9%	1,868	1,872	4	0.2%
32.1%	1,837	1,872	35	1.9%
33.3%	1,816	1,847	31	1.7%
34.6%	1,808	1,843	35	2.0%
35.8%	1,795	1,841	46	2.6%
37.0%	1,777	1,837	60	3.4%
38.3%	1,777	1,801	24	1.3%
39.5%	1,641	1,724	83	5.1%
40.7%	1,622	1,715	93	5.7%
42.0%	1,592	1,706	114	7.2%
43.2%	1,588	1,664	76	4.8%
44.4%	1,588	1,632	44	2.8%
45.7%	1,583	1,623	39	2.5%
46.9%	1,556	1,622	66	4.2%
48.1%	1,547	1,613	67	4.3%
49.4%	1,514	1,607	93	6.2%
50.6%	1,510	1,564	54	3.6%
51.9%	1,488	1,551	62	4.2%
53.1%	1,475	1,535	60	4.1%
54.3%	1,460	1,532	72	4.9%
55.6%	1,424	1,526	102	7.2%
56.8%	1,414	1,486	72	5.1%
58.0%	1,386	1,478	92	6.7%
59.3%	1,383	1,446	64	4.6%
60.5%	1,376	1,438	62	4.5%
61.7%	1,372	1,414	42	3.1%
63.0%	1,370	1,409	39	2.9%
64.2%	1,333	1,405	72	5.4%
65.4%	1,324	1,396	72	5.4%
66.7%	1,306	1,395	88	6.8%
67.9%	1,241	1,356	115	9.2%
69.1%	1,241	1,344	103	8.3%
70.4%	1,237	1,315	78	6.3%
71.6%	1,223	1,308	85	6.9%
72.8%	1,207	1,255	48	4.0%
74.1%	1,180	1,238	58	4.9%
75.3%	1,177	1,195	18	1.5%
76.5%	1,172	1,193	22	1.8%
77.8%	1,057	1,133	76	7.2%
79.0%	1,034	1,082	48	4.6%
80.2%	998	1,080	82	8.2%
81.5%	988	1,065	77	7.8%
82.7%	971	1,059	89	9.2%
84.0%	968	1,027	60	6.2%
85.2%	964	1,015	51	5.3%
86.4%	924	983	59	6.4%
87.7%	863	950	86	10.0%
88.9%	816	816	1	0.1%
90.1%	728	758	30	4.1%
91.4%	636	724	88	13.9%
92.6%	632	710	78	12.3%
93.8%	616	673	57	9.3%
95.1%	592	640	48	8.0%
96.3%	500	636	136	27.2%
97.5%	446	625	180	40.3%
98.8%	436	510	74	16.9%
100.0%	357	322	-35	-9.8%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,956	-19	-1.0%
19.8%	1,968	1,944	-24	-1.2%
21.0%	1,867	1,933	65	3.5%
22.2%	1,866	1,867	2	0.1%
23.5%	1,820	1,840	20	1.1%
24.7%	1,810	1,820	10	0.6%
25.9%	1,784	1,812	27	1.5%
27.2%	1,778	1,783	5	0.3%
28.4%	1,764	1,776	12	0.7%
29.6%	1,746	1,765	19	1.1%
30.9%	1,731	1,757	27	1.5%
32.1%	1,691	1,734	43	2.5%
33.3%	1,681	1,721	40	2.4%
34.6%	1,672	1,703	31	1.8%
35.8%	1,659	1,701	42	2.5%
37.0%	1,635	1,693	58	3.5%
38.3%	1,632	1,656	24	1.5%
39.5%	1,495	1,584	89	5.9%
40.7%	1,481	1,573	92	6.2%
42.0%	1,445	1,561	116	8.0%
43.2%	1,439	1,521	82	5.7%
44.4%	1,433	1,489	56	3.9%
45.7%	1,432	1,481	49	3.4%
46.9%	1,418	1,480	62	4.3%
48.1%	1,415	1,473	58	4.1%
49.4%	1,405	1,463	58	4.1%
50.6%	1,398	1,456	58	4.1%
51.9%	1,387	1,423	36	2.6%
53.1%	1,376	1,421	45	3.3%
54.3%	1,362	1,419	57	4.2%
55.6%	1,350	1,407	57	4.2%
56.8%	1,300	1,373	73	5.6%
58.0%	1,279	1,364	86	6.7%
59.3%	1,269	1,358	89	7.0%
60.5%	1,264	1,338	75	5.9%
61.7%	1,259	1,333	74	5.9%
63.0%	1,257	1,297	40	3.2%
64.2%	1,221	1,295	74	6.1%
65.4%	1,212	1,292	80	6.6%
66.7%	1,156	1,283	127	11.0%
67.9%	1,129	1,233	104	9.2%
69.1%	1,128	1,208	81	7.2%
70.4%	1,126	1,195	70	6.2%
71.6%	1,110	1,141	32	2.9%
72.8%	1,108	1,140	32	2.9%
74.1%	1,100	1,125	25	2.3%
75.3%	1,069	1,124	55	5.2%
76.5%	1,015	1,076	61	6.0%
77.8%	989	1,060	71	7.2%
79.0%	962	1,013	51	5.3%
80.2%	912	998	86	9.4%
81.5%	902	983	81	9.0%
82.7%	889	974	85	9.5%
84.0%	886	941	55	6.2%
85.2%	883	934	51	5.8%
86.4%	840	898	59	7.0%
87.7%	782	868	86	11.0%
88.9%	733	748	15	2.1%
90.1%	641	636	-5	-0.7%
91.4%	597	629	32	5.3%
92.6%	596	598	2	0.3%
93.8%	500	545	45	9.0%
95.1%	499	534	35	7.0%
96.3%	459	506	47	10.2%
97.5%	406	500	94	23.2%
98.8%	374	470	96	25.6%
100.0%	240	240	0	0.0%

Table SW-02-5a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative B	2,284	2,286	2,290	2,296	2,306	2,316	2,327	2,327	2,324	2,313	2,302	2,290
Difference	6	6	6	5	4	3	3	3	3	4	5	4
Percent Difference[3]	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative B	2,324	2,324	2,326	2,326	2,339	2,348	2,358	2,360	2,358	2,350	2,343	2,333
Difference	1	1	1	3	2	1	1	1	1	1	1	1
Percent Difference	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative B	2,310	2,311	2,313	2,306	2,320	2,334	2,345	2,346	2,344	2,336	2,326	2,315
Difference	5	6	6	8	7	5	5	5	5	5	5	6
Percent Difference	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative B	2,280	2,283	2,290	2,285	2,293	2,301	2,317	2,316	2,313	2,303	2,291	2,282
Difference	5	5	4	4	4	3	3	3	4	4	5	5
Percent Difference	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%
Dry (22%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative B	2,266	2,267	2,277	2,288	2,296	2,308	2,320	2,316	2,311	2,297	2,282	2,271
Difference	6	7	6	6	5	4	3	4	4	4	5	5
Percent Difference	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative B	2,205	2,208	2,213	2,246	2,251	2,261	2,268	2,265	2,263	2,248	2,230	2,212
Difference	16	18	15	6	6	5	5	5	5	8	12	9
Percent Difference	0.7%	0.8%	0.7%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.4%	0.5%	0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

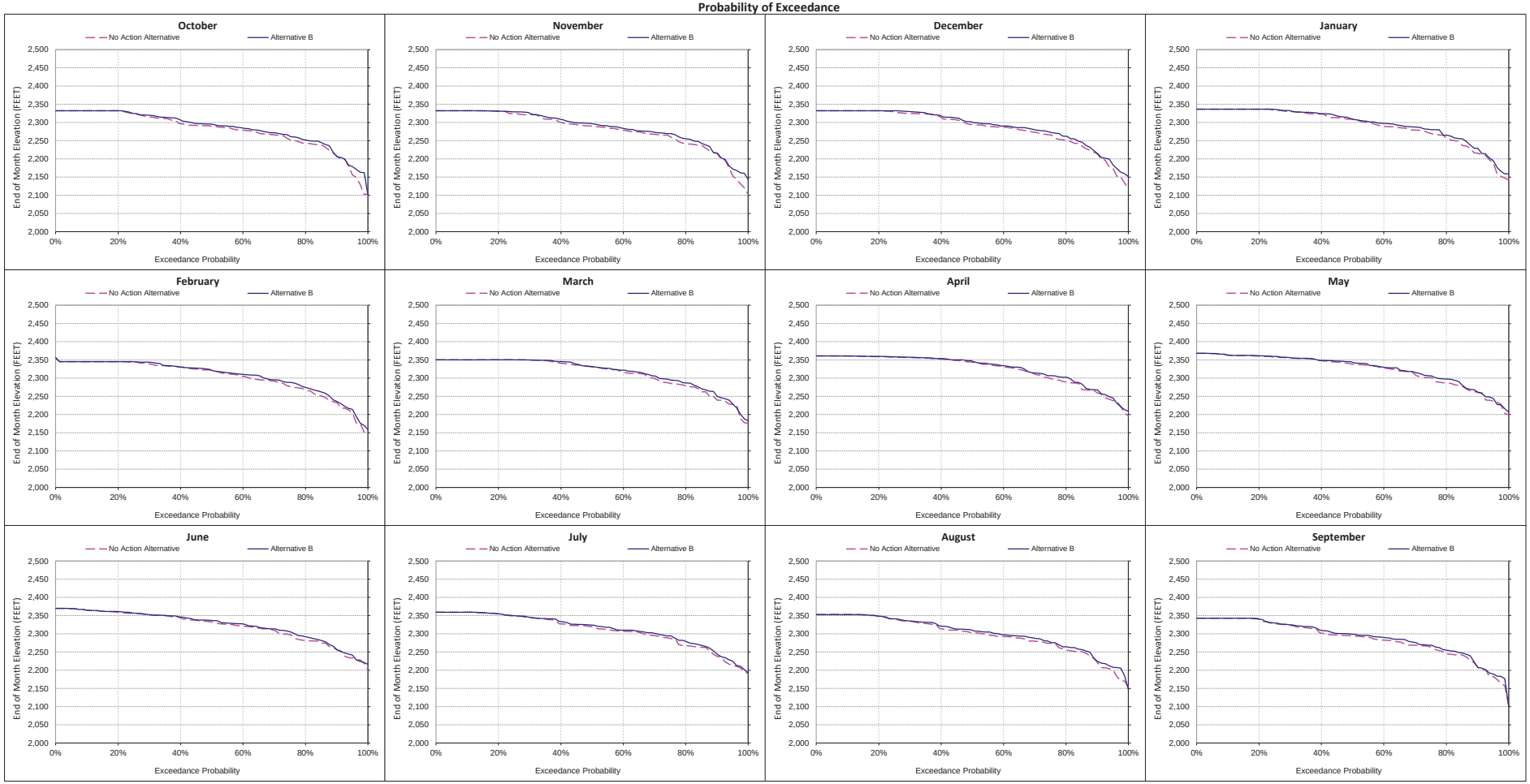

Table SW-02-5b

Trinity Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,329	2,331	2	0.1%
23.5%	2,326	2,329	2	0.1%
24.7%	2,324	2,325	1	0.0%
25.9%	2,322	2,324	2	0.1%
27.2%	2,321	2,321	0	0.0%
28.4%	2,317	2,321	3	0.1%
29.6%	2,315	2,320	5	0.2%
30.9%	2,315	2,319	5	0.2%
32.1%	2,313	2,317	5	0.2%
33.3%	2,311	2,315	4	0.2%
34.6%	2,311	2,314	3	0.1%
35.8%	2,310	2,314	3	0.1%
37.0%	2,307	2,313	6	0.3%
38.3%	2,306	2,312	6	0.2%
39.5%	2,297	2,309	12	0.5%
40.7%	2,296	2,304	7	0.3%
42.0%	2,293	2,302	9	0.4%
43.2%	2,292	2,300	7	0.3%
44.4%	2,292	2,298	6	0.3%
45.7%	2,292	2,296	5	0.2%
46.9%	2,291	2,296	5	0.2%
48.1%	2,291	2,296	5	0.2%
49.4%	2,290	2,296	5	0.2%
50.6%	2,290	2,294	4	0.2%
51.9%	2,288	2,292	4	0.2%
53.1%	2,287	2,291	4	0.2%
54.3%	2,286	2,291	5	0.2%
55.6%	2,285	2,289	4	0.2%
56.8%	2,282	2,289	8	0.3%
58.0%	2,280	2,287	7	0.3%
59.3%	2,278	2,286	7	0.3%
60.5%	2,278	2,284	5	0.2%
61.7%	2,277	2,283	6	0.2%
63.0%	2,276	2,280	4	0.2%
64.2%	2,274	2,279	5	0.2%
65.4%	2,269	2,278	8	0.4%
66.7%	2,269	2,275	6	0.3%
67.9%	2,268	2,273	5	0.2%
69.1%	2,266	2,272	5	0.2%
70.4%	2,266	2,271	6	0.3%
71.6%	2,264	2,270	6	0.2%
72.8%	2,263	2,267	4	0.2%
74.1%	2,257	2,267	10	0.4%
75.3%	2,251	2,261	10	0.4%
76.5%	2,250	2,260	10	0.4%
77.8%	2,248	2,258	11	0.5%
79.0%	2,243	2,254	11	0.5%
80.2%	2,243	2,251	8	0.4%
81.5%	2,242	2,249	8	0.3%
82.7%	2,240	2,249	9	0.4%
84.0%	2,239	2,249	10	0.5%
85.2%	2,238	2,244	6	0.3%
86.4%	2,231	2,240	8	0.4%
87.7%	2,223	2,236	12	0.6%
88.9%	2,216	2,218	2	0.1%
90.1%	2,207	2,206	-1	0.0%
91.4%	2,199	2,204	4	0.2%
92.6%	2,199	2,200	0	0.0%
93.8%	2,179	2,183	4	0.2%
95.1%	2,156	2,178	23	1.1%
96.3%	2,149	2,171	22	1.0%
97.5%	2,129	2,163	34	1.6%
98.8%	2,103	2,162	60	2.8%
100.0%	2,103	2,103	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,331	2,331	0	0.0%
19.8%	2,330	2,331	1	0.0%
21.0%	2,330	2,330	0	0.0%
22.2%	2,330	2,330	0	0.0%
23.5%	2,325	2,330	5	0.2%
24.7%	2,324	2,329	5	0.2%
25.9%	2,324	2,329	5	0.2%
27.2%	2,322	2,328	7	0.3%
28.4%	2,321	2,328	7	0.3%
29.6%	2,321	2,327	6	0.2%
30.9%	2,321	2,322	1	0.0%
32.1%	2,321	2,321	0	0.0%
33.3%	2,316	2,318	3	0.1%
34.6%	2,310	2,317	7	0.3%
35.8%	2,309	2,314	5	0.2%
37.0%	2,309	2,312	3	0.1%
38.3%	2,307	2,312	5	0.2%
39.5%	2,301	2,309	8	0.3%
40.7%	2,298	2,307	9	0.4%
42.0%	2,298	2,303	6	0.2%
43.2%	2,296	2,301	6	0.3%
44.4%	2,295	2,299	4	0.2%
45.7%	2,293	2,299	6	0.3%
46.9%	2,292	2,299	7	0.3%
48.1%	2,291	2,298	7	0.3%
49.4%	2,291	2,297	6	0.3%
50.6%	2,289	2,296	7	0.3%
51.9%	2,288	2,294	6	0.3%
53.1%	2,287	2,291	4	0.2%
54.3%	2,286	2,291	5	0.2%
55.6%	2,284	2,289	6	0.2%
56.8%	2,283	2,289	5	0.2%
58.0%	2,282	2,288	6	0.3%
59.3%	2,279	2,285	6	0.2%
60.5%	2,278	2,283	5	0.2%
61.7%	2,276	2,281	5	0.2%
63.0%	2,275	2,281	6	0.3%
64.2%	2,274	2,277	3	0.1%
65.4%	2,274	2,277	3	0.1%
66.7%	2,271	2,276	6	0.2%
67.9%	2,268	2,276	7	0.3%
69.1%	2,268	2,274	7	0.3%
70.4%	2,267	2,272	5	0.2%
71.6%	2,266	2,272	5	0.2%
72.8%	2,265	2,271	5	0.2%
74.1%	2,265	2,270	4	0.2%
75.3%	2,260	2,269	9	0.4%
76.5%	2,255	2,266	11	0.5%
77.8%	2,247	2,260	13	0.6%
79.0%	2,243	2,256	13	0.6%
80.2%	2,241	2,255	14	0.6%
81.5%	2,241	2,254	13	0.6%
82.7%	2,239	2,249	10	0.4%
84.0%	2,238	2,248	10	0.4%
85.2%	2,237	2,242	6	0.3%
86.4%	2,229	2,238	8	0.4%
87.7%	2,221	2,233	12	0.6%
88.9%	2,218	2,217	-1	0.0%
90.1%	2,215	2,216	1	0.1%
91.4%	2,199	2,202	4	0.2%
92.6%	2,197	2,199	1	0.1%
93.8%	2,176	2,181	5	0.2%
95.1%	2,153	2,172	19	0.9%
96.3%	2,143	2,168	25	1.2%
97.5%	2,131	2,162	30	1.4%
98.8%	2,120	2,160	40	1.9%
100.0%	2,103	2,143	40	1.9%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.1%
23.5%	2,331	2,332	1	0.1%
24.7%	2,329	2,332	3	0.1%
25.9%	2,327	2,332	5	0.2%
27.2%	2,326	2,331	5	0.2%
28.4%	2,325	2,331	6	0.2%
29.6%	2,325	2,330	5	0.2%
30.9%	2,324	2,330	5	0.2%
32.1%	2,324	2,328	4	0.2%
33.3%	2,324	2,328	3	0.1%
34.6%	2,324	2,327	3	0.1%
35.8%	2,324	2,324	0	0.0%
37.0%	2,323	2,322	-1	-0.1%
38.3%	2,318	2,321	3	0.1%
39.5%	2,317	2,320	3	0.1%
40.7%	2,309	2,315	6	0.2%
42.0%	2,309	2,314	5	0.2%
43.2%	2,309	2,314	5	0.2%
44.4%	2,308	2,313	5	0.2%
45.7%	2,306	2,311	5	0.2%
46.9%	2,301	2,306	5	0.2%
48.1%	2,297	2,302	6	0.3%
49.4%	2,295	2,302	8	0.3%
50.6%	2,294	2,299	5	0.2%
51.9%	2,293	2,299	6	0.2%
53.1%	2,293	2,297	4	0.2%
54.3%	2,290	2,297	7	0.3%
55.6%	2,289	2,297	8	0.3%
56.8%	2,288	2,294	5	0.2%
58.0%	2,287	2,293	6	0.2%
59.3%	2,287	2,290	3	0.1%
60.5%	2,287	2,290	3	0.1%
61.7%	2,285	2,290	4	0.2%
63.0%	2,285	2,288	3	0.1%
64.2%	2,281	2,286	4	0.2%
65.4%	2,280	2,285	6	0.3%
66.7%	2,278	2,285	7	0.3%
67.9%	2,278	2,283	6	0.3%
69.1%	2,274	2,281	8	0.3%
70.4%	2,273	2,280	7	0.3%
71.6%	2,270	2,277	7	0.3%
72.8%	2,268	2,277	9	0.4%
74.1%	2,267	2,275	8	0.4%
75.3%	2,265	2,272	7	0.3%
76.5%	2,256	2,271	14	0.6%
77.8%	2,253	2,269	16	0.7%
79.0%	2,253	2,262	9	0.4%
80.2%	2,249	2,262	13	0.6%
81.5%	2,248	2,255	7	0.3%
82.7%	2,243	2,255	12	0.6%
84.0%	2,243	2,248	6	0.3%
85.2%	2,234	2,246	12	0.5%
86.4%	2,228	2,236	8	0.4%
87.7%	2,223	2,231	8	0.4%
88.9%	2,219	2,223	4	0.2%
90.1%	2,213	2,215	1	0.1%
91.4%	2,199	2,204	5	0.2%
92.6%	2,196	2,202	6	0.3%
93.8%	2,178	2,199	21	1.0%
95.1%	2,174	2,183	9	0.4%
96.3%	2,152	2,173	21	1.0%
97.5%	2,151	2,164	13	0.6%
98.8%	2,133	2,159	26	1.2%
100.0%	2,118	2,151	32	1.5%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,337	3	0.1%
25.9%	2,333	2,335	1	0.1%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,333	3	0.1%
29.6%	2,330	2,333	3	0.1%
30.9%	2,330	2,330	0	0.0%
32.1%	2,329	2,329	0	0.0%
33.3%	2,329	2,329	0	0.0%
34.6%	2,327	2,328	1	0.1%
35.8%	2,324	2,328	3	0.1%
37.0%	2,324	2,327	3	0.1%
38.3%	2,323	2,327	3	0.1%
39.5%	2,323	2,324	1	0.1%
40.7%	2,323	2,324	1	0.1%
42.0%	2,316	2,323	7	0.3%
43.2%	2,314	2,323	10	0.4%
44.4%	2,313	2,319	6	0.3%
45.7%	2,313	2,316	4	0.2%
46.9%	2,311	2,315	4	0.2%
48.1%	2,309	2,314	5	0.2%
49.4%	2,309	2,311	2	0.1%
50.6%	2,308	2,308	-1	0.0%
51.9%	2,305	2,307	2	0.1%
53.1%	2,302	2,304	2	0.1%
54.3%	2,300	2,304	3	0.1%
55.6%	2,300	2,302	2	0.1%
56.8%	2,296	2,301	5	0.2%
58.0%	2,293	2,298	6	0.3%
59.3%	2,290	2,298	7	0.3%
60.5%	2,289	2,297	9	0.4%
61.7%	2,288	2,297	8	0.4%
63.0%	2,288	2,296	8	0.3%
64.2%	2,287	2,293	6	0.3%
65.4%	2,285	2,291	6	0.3%
66.7%	2,284	2,289	5	0.2%
67.9%	2,282	2,289	6	0.3%
69.1%	2,279	2,288	9	0.4%
70.4%	2,279	2,288	9	0.4%
71.6%	2,278	2,286	8	0.3%
72.8%	2,277	2,282	6	0.2%
74.1%	2,272	2,281	9	0.4%
75.3%	2,269	2,280	11	0.5%
76.5%	2,267	2,280	13	0.6%
77.8%	2,266	2,280	14	0.6%
79.0%	2,265	2,265	0	0.0%
80.2%	2,255	2,265	11	0.5%
81.5%	2,252	2,262	10	0.5%
82.7%	2,250	2,257	7	0.3%
84.0%	2,249	2,256	6	0.3%
85.2%	2,237	2,255	18	0.8%
86.4%	2,235	2,248	13	0.6%
87.7%	2,229	2,238	8	0.4%
88.9%	2,217	2,229	13	0.6%
90.1%	2,215	2,229	14	0.6%
91.4%	2,212	2,215	3	0.1%
92.6%	2,210	2,213	4	0.2%
93.8%	2,197	2,202	5	0.2%
95.1%	2,189	2,195	7	0.3%
96.3%	2,159	2,176	17	0.8%
97.5%	2,152	2,165	14	0.6%
98.8%	2,147	2,159	12	0.5%
100.0%	2,142	2,159	17	0.8%

Table SW-02-5b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,356	2,356	0	0.0%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,344	2,345	1	0.0%
24.7%	2,344	2,345	1	0.0%
25.9%	2,344	2,344	1	0.0%
27.2%	2,341	2,344	3	0.1%
28.4%	2,341	2,344	3	0.1%
29.6%	2,339	2,344	4	0.2%
30.9%	2,338	2,343	5	0.2%
32.1%	2,335	2,341	6	0.3%
33.3%	2,334	2,341	6	0.3%
34.6%	2,334	2,335	0	0.0%
35.8%	2,333	2,334	1	0.1%
37.0%	2,333	2,334	2	0.1%
38.3%	2,333	2,333	0	0.0%
39.5%	2,331	2,330	-1	0.0%
40.7%	2,330	2,329	-1	0.0%
42.0%	2,327	2,328	2	0.1%
43.2%	2,326	2,328	2	0.1%
44.4%	2,325	2,328	3	0.1%
45.7%	2,325	2,327	2	0.1%
46.9%	2,323	2,326	4	0.2%
48.1%	2,323	2,325	2	0.1%
49.4%	2,323	2,324	1	0.1%
50.6%	2,319	2,319	0	0.0%
51.9%	2,318	2,319	1	0.0%
53.1%	2,314	2,317	3	0.1%
54.3%	2,313	2,316	3	0.1%
55.6%	2,311	2,314	3	0.1%
56.8%	2,310	2,313	3	0.1%
58.0%	2,309	2,312	2	0.1%
59.3%	2,305	2,311	6	0.3%
60.5%	2,305	2,310	6	0.3%
61.7%	2,301	2,309	8	0.3%
63.0%	2,297	2,308	11	0.5%
64.2%	2,296	2,308	11	0.5%
65.4%	2,295	2,306	11	0.5%
66.7%	2,294	2,300	6	0.3%
67.9%	2,293	2,297	4	0.2%
69.1%	2,293	2,295	3	0.1%
70.4%	2,291	2,295	4	0.2%
71.6%	2,288	2,295	7	0.3%
72.8%	2,286	2,290	5	0.2%
74.1%	2,279	2,289	9	0.4%
75.3%	2,276	2,288	12	0.5%
76.5%	2,274	2,286	12	0.5%
77.8%	2,273	2,283	10	0.4%
79.0%	2,271	2,277	5	0.2%
80.2%	2,265	2,274	8	0.4%
81.5%	2,265	2,271	6	0.2%
82.7%	2,257	2,268	10	0.4%
84.0%	2,252	2,264	12	0.5%
85.2%	2,251	2,262	11	0.5%
86.4%	2,246	2,258	12	0.5%
87.7%	2,239	2,251	12	0.5%
88.9%	2,235	2,240	5	0.2%
90.1%	2,232	2,235	3	0.1%
91.4%	2,218	2,230	12	0.5%
92.6%	2,218	2,222	5	0.2%
93.8%	2,213	2,217	4	0.2%
95.1%	2,205	2,214	9	0.4%
96.3%	2,176	2,194	18	0.8%
97.5%	2,176	2,176	0	0.0%
98.8%	2,152	2,170	18	0.8%
100.0%	2,146	2,159	12	0.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,350	2,350	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,349	2,350	1	0.0%
32.1%	2,349	2,349	0	0.0%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,348	2,349	1	0.0%
37.0%	2,345	2,348	2	0.1%
38.3%	2,344	2,346	2	0.1%
39.5%	2,341	2,346	4	0.2%
40.7%	2,340	2,345	5	0.2%
42.0%	2,339	2,345	5	0.2%
43.2%	2,338	2,344	6	0.2%
44.4%	2,336	2,340	4	0.2%
45.7%	2,336	2,337	1	0.1%
46.9%	2,334	2,334	0	0.0%
48.1%	2,333	2,333	0	0.0%
49.4%	2,332	2,333	1	0.0%
50.6%	2,330	2,331	1	0.0%
51.9%	2,329	2,329	0	0.0%
53.1%	2,327	2,328	1	0.1%
54.3%	2,325	2,328	2	0.1%
55.6%	2,324	2,327	3	0.1%
56.8%	2,323	2,324	1	0.0%
58.0%	2,323	2,323	0	0.0%
59.3%	2,318	2,322	4	0.2%
60.5%	2,315	2,321	6	0.3%
61.7%	2,314	2,319	6	0.2%
63.0%	2,313	2,319	6	0.3%
64.2%	2,313	2,317	4	0.2%
65.4%	2,312	2,316	4	0.2%
66.7%	2,311	2,312	1	0.0%
67.9%	2,303	2,310	7	0.3%
69.1%	2,301	2,307	5	0.2%
70.4%	2,298	2,305	7	0.3%
71.6%	2,292	2,299	7	0.3%
72.8%	2,289	2,298	10	0.4%
74.1%	2,288	2,297	10	0.4%
75.3%	2,285	2,295	10	0.4%
76.5%	2,284	2,294	9	0.4%
77.8%	2,283	2,292	9	0.4%
79.0%	2,281	2,288	6	0.3%
80.2%	2,278	2,287	9	0.4%
81.5%	2,276	2,286	10	0.4%
82.7%	2,276	2,280	4	0.2%
84.0%	2,271	2,276	5	0.2%
85.2%	2,262	2,270	8	0.3%
86.4%	2,262	2,268	5	0.2%
87.7%	2,249	2,264	15	0.7%
88.9%	2,249	2,263	14	0.6%
90.1%	2,239	2,249	10	0.4%
91.4%	2,239	2,246	7	0.3%
92.6%	2,237	2,243	6	0.3%
93.8%	2,229	2,240	11	0.5%
95.1%	2,228	2,229	1	0.1%
96.3%	2,226	2,218	-8	-0.4%
97.5%	2,188	2,200	12	0.5%
98.8%	2,178	2,188	11	0.5%
100.0%	2,176	2,183	7	0.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,361	1	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,360	2,360	0	0.0%
14.8%	2,360	2,360	0	0.0%
16.0%	2,360	2,360	0	0.0%
17.3%	2,359	2,360	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,359	2,359	0	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,359	2,359	0	0.0%
23.5%	2,358	2,359	1	0.1%
24.7%	2,357	2,359	1	0.1%
25.9%	2,357	2,358	1	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,357	2,357	1	0.0%
29.6%	2,357	2,357	1	0.0%
30.9%	2,356	2,357	1	0.0%
32.1%	2,356	2,357	1	0.0%
33.3%	2,356	2,357	1	0.0%
34.6%	2,355	2,356	1	0.0%
35.8%	2,355	2,356	1	0.0%
37.0%	2,354	2,355	2	0.1%
38.3%	2,353	2,354	1	0.0%
39.5%	2,353	2,354	1	0.0%
40.7%	2,351	2,354	2	0.1%
42.0%	2,350	2,352	2	0.1%
43.2%	2,350	2,351	0	0.0%
44.4%	2,348	2,350	2	0.1%
45.7%	2,348	2,350	2	0.1%
46.9%	2,348	2,350	2	0.1%
48.1%	2,345	2,348	4	0.2%
49.4%	2,345	2,348	4	0.2%
50.6%	2,343	2,344	2	0.1%
51.9%	2,342	2,341	-1	0.0%
53.1%	2,338	2,341	3	0.1%
54.3%	2,338	2,341	3	0.1%
55.6%	2,336	2,339	3	0.1%
56.8%	2,335	2,338	3	0.1%
58.0%	2,333	2,337	3	0.1%
59.3%	2,333	2,335	1	0.1%
60.5%	2,330	2,334	4	0.2%
61.7%	2,329	2,331	2	0.1%
63.0%	2,328	2,330	2	0.1%
64.2%	2,325	2,330	5	0.2%
65.4%	2,323	2,329	6	0.3%
66.7%	2,320	2,325	4	0.2%
67.9%	2,316	2,318	2	0.1%
69.1%	2,314	2,315	0	0.0%
70.4%	2,309	2,314	5	0.2%
71.6%	2,309	2,313	5	0.2%
72.8%	2,302	2,311	9	0.4%
74.1%	2,301	2,307	5	0.2%
75.3%	2,298	2,307	8	0.4%
76.5%	2,295	2,306	11	0.5%
77.8%	2,295	2,303	8	0.4%
79.0%	2,291	2,302	11	0.5%
80.2%	2,289	2,302	13	0.6%
81.5%	2,287	2,297	10	0.5%
82.7%	2,287	2,289	3	0.1%
84.0%	2,286	2,288	3	0.1%
85.2%	2,268	2,283	15	0.7%
86.4%	2,268	2,272	4	0.2%
87.7%	2,266	2,269	2	0.1%
88.9%	2,266	2,268	3	0.1%
90.1%	2,259	2,267	8	0.4%
91.4%	2,256	2,257	1	0.0%
92.6%	2,246	2,255	9	0.4%
93.8%	2,242	2,249	7	0.3%
95.1%	2,238	2,246	7	0.3%
96.3%	2,236	2,230	-6	-0.3%
97.5%	2,222	2,222	0	0.0%
98.8%	2,204	2,213	9	0.4%
100.0%	2,196	2,209	13	0.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	1	0.0%
11.1%	2,363	2,363	0	0.0%
12.3%	2,362	2,363	0	0.0%
13.6%	2,362	2,362	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,362	1	0.0%
19.8%	2,361	2,362	1	0.0%
21.0%	2,360	2,361	1	0.1%
22.2%	2,360	2,361	1	0.1%
23.5%	2,359	2,361	1	0.0%
24.7%	2,358	2,360	2	0.1%
25.9%	2,357	2,359	2	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,357	1	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,355	0	0.0%
34.6%	2,354	2,354	1	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,354	0	0.0%
38.3%	2,349	2,351	1	0.1%
39.5%	2,348	2,349	1	0.0%
40.7%	2,347	2,349	2	0.1%
42.0%	2,347	2,348	1	0.1%
43.2%	2,345	2,348	3	0.1%
44.4%	2,344	2,347	2	0.1%
45.7%	2,344	2,347	3	0.1%
46.9%	2,341	2,346	4	0.2%
48.1%	2,341	2,345	4	0.2%
49.4%	2,339	2,345	6	0.3%
50.6%	2,337	2,342	4	0.2%
51.9%	2,337	2,341	4	0.2%
53.1%	2,337	2,340	4	0.2%
54.3%	2,336	2,340	5	0.2%
55.6%	2,335	2,334	-1	0.0%
56.8%	2,333	2,334	1	0.1%
58.0%	2,331	2,333	1	0.1%
59.3%	2,328	2,330	2	0.1%
60.5%	2,328	2,329	2	0.1%
61.7%	2,326	2,329	3	0.1%
63.0%	2,324	2,328	4	0.2%
64.2%	2,321	2,328	7	0.3%
65.4%	2,319	2,321	2	0.1%
66.7%	2,319	2,320	2	0.1%
67.9%	2,317	2,318	1	0.1%
69.1%	2,316	2,318	2	0.1%
70.4%	2,306	2,315	8	0.4%
71.6%	2,304	2,312	8	0.4%
72.8%	2,302	2,308	6	0.3%
74.1%	2,302	2,306	5	0.2%
75.3%	2,301	2,306	5	0.2%
76.5%	2,290	2,301	11	0.5%
77.8%	2,289	2,299	10	0.4%
79.0%	2,287	2,298	10	0.5%
80.2%	2,287	2,298	11	0.5%
81.5%	2,286	2,297	12	0.5%
82.7%	2,282	2,294	12	0.5%
84.0%	2,280	2,291	11	0.5%
85.2%	2,277	2,280	3	0.1%
86.4%	2,271	2,272	1	0.0%
87.7%	2,265	2,269	4	0.2%
88.9%	2,263	2,268	5	0.2%
90.1%	2,261	2,261	0	0.0%
91.4%	2,259	2,259	-1	0.0%
92.6%	2,240	2,249	9	0.4%
93.8%	2,239	2,248	9	0.4%
95.1%	2,237	2,244	7	0.3%
96.3%	2,234	2,228	-7	-0.3%
97.5%	2,227	2,226	-1	-0.1%
98.8%	2,202	2,216	14	0.6%
100.0%	2,200	2,207	7	0.3%

Table SW-02-5b
Trinity Lake, End of Month Elevation
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,370	2,370	0	0.0%
1.2%	2,370	2,370	0	0.0%
2.5%	2,370	2,370	0	0.0%
3.7%	2,370	2,370	0	0.0%
4.9%	2,369	2,369	0	0.0%
6.2%	2,369	2,369	0	0.0%
7.4%	2,367	2,367	0	0.0%
8.6%	2,367	2,367	0	0.0%
9.9%	2,365	2,365	0	0.0%
11.1%	2,364	2,364	0	0.0%
12.3%	2,364	2,364	0	0.0%
13.6%	2,363	2,363	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,361	2,361	0	0.0%
17.3%	2,361	2,361	0	0.0%
18.5%	2,360	2,361	1	0.0%
19.8%	2,359	2,361	2	0.1%
21.0%	2,359	2,360	1	0.0%
22.2%	2,357	2,359	2	0.1%
23.5%	2,356	2,359	3	0.1%
24.7%	2,356	2,357	1	0.0%
25.9%	2,356	2,356	0	0.0%
27.2%	2,355	2,356	1	0.0%
28.4%	2,353	2,355	2	0.1%
29.6%	2,353	2,353	0	0.0%
30.9%	2,352	2,352	0	0.0%
32.1%	2,351	2,351	0	0.0%
33.3%	2,351	2,351	0	0.0%
34.6%	2,350	2,350	0	0.0%
35.8%	2,349	2,350	1	0.1%
37.0%	2,347	2,349	2	0.1%
38.3%	2,346	2,349	3	0.1%
39.5%	2,346	2,346	1	0.0%
40.7%	2,341	2,346	5	0.2%
42.0%	2,341	2,343	3	0.1%
43.2%	2,338	2,342	4	0.2%
44.4%	2,338	2,339	1	0.0%
45.7%	2,336	2,338	2	0.1%
46.9%	2,335	2,338	3	0.1%
48.1%	2,334	2,338	3	0.1%
49.4%	2,333	2,337	4	0.2%
50.6%	2,331	2,337	5	0.2%
51.9%	2,328	2,336	7	0.3%
53.1%	2,327	2,330	3	0.1%
54.3%	2,326	2,330	4	0.2%
55.6%	2,326	2,329	3	0.1%
56.8%	2,325	2,329	4	0.2%
58.0%	2,323	2,328	5	0.2%
59.3%	2,322	2,328	6	0.2%
60.5%	2,320	2,326	6	0.2%
61.7%	2,320	2,322	2	0.1%
63.0%	2,318	2,321	3	0.1%
64.2%	2,317	2,321	3	0.1%
65.4%	2,315	2,317	2	0.1%
66.7%	2,314	2,315	2	0.1%
67.9%	2,314	2,314	0	0.0%
69.1%	2,312	2,314	2	0.1%
70.4%	2,309	2,313	5	0.2%
71.6%	2,301	2,310	9	0.4%
72.8%	2,300	2,309	10	0.4%
74.1%	2,299	2,308	9	0.4%
75.3%	2,297	2,305	8	0.3%
76.5%	2,288	2,300	12	0.5%
77.8%	2,284	2,295	10	0.4%
79.0%	2,283	2,294	11	0.5%
80.2%	2,281	2,291	10	0.4%
81.5%	2,281	2,290	9	0.4%
82.7%	2,281	2,286	6	0.3%
84.0%	2,280	2,284	4	0.2%
85.2%	2,274	2,282	7	0.3%
86.4%	2,274	2,278	4	0.2%
87.7%	2,265	2,270	6	0.2%
88.9%	2,262	2,265	3	0.1%
90.1%	2,256	2,256	0	0.0%
91.4%	2,252	2,252	-1	0.0%
92.6%	2,238	2,247	9	0.4%
93.8%	2,234	2,244	10	0.4%
95.1%	2,234	2,241	8	0.3%
96.3%	2,229	2,228	-1	0.0%
97.5%	2,228	2,224	-4	-0.2%
98.8%	2,219	2,221	1	0.1%
100.0%	2,202	2,217	15	0.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,359	0	0.0%
1.2%	2,359	2,359	0	0.0%
2.5%	2,359	2,359	0	0.0%
3.7%	2,359	2,359	0	0.0%
4.9%	2,359	2,359	0	0.0%
6.2%	2,359	2,359	0	0.0%
7.4%	2,359	2,359	0	0.0%
8.6%	2,359	2,359	0	0.0%
9.9%	2,359	2,359	0	0.0%
11.1%	2,359	2,359	0	0.0%
12.3%	2,359	2,359	0	0.0%
13.6%	2,358	2,359	2	0.1%
14.8%	2,358	2,359	1	0.0%
16.0%	2,357	2,358	0	0.0%
17.3%	2,357	2,357	0	0.0%
18.5%	2,357	2,357	0	0.0%
19.8%	2,355	2,355	0	0.0%
21.0%	2,354	2,354	0	0.0%
22.2%	2,352	2,352	0	0.0%
23.5%	2,350	2,351	2	0.1%
24.7%	2,349	2,350	1	0.0%
25.9%	2,349	2,349	0	0.0%
27.2%	2,349	2,349	0	0.0%
28.4%	2,346	2,349	3	0.1%
29.6%	2,346	2,346	0	0.0%
30.9%	2,344	2,344	0	0.0%
32.1%	2,343	2,343	0	0.0%
33.3%	2,342	2,342	0	0.0%
34.6%	2,341	2,342	1	0.0%
35.8%	2,339	2,341	2	0.1%
37.0%	2,339	2,341	3	0.1%
38.3%	2,336	2,341	5	0.2%
39.5%	2,327	2,334	7	0.3%
40.7%	2,327	2,333	6	0.3%
42.0%	2,325	2,331	5	0.2%
43.2%	2,323	2,326	3	0.1%
44.4%	2,323	2,326	3	0.1%
45.7%	2,323	2,326	3	0.1%
46.9%	2,322	2,325	3	0.1%
48.1%	2,322	2,325	3	0.1%
49.4%	2,320	2,324	4	0.2%
50.6%	2,319	2,324	5	0.2%
51.9%	2,314	2,321	7	0.3%
53.1%	2,313	2,320	7	0.3%
54.3%	2,312	2,318	6	0.3%
55.6%	2,310	2,318	7	0.3%
56.8%	2,309	2,314	5	0.2%
58.0%	2,308	2,311	3	0.1%
59.3%	2,307	2,310	3	0.1%
60.5%	2,307	2,310	3	0.1%
61.7%	2,307	2,310	3	0.1%
63.0%	2,306	2,310	4	0.2%
64.2%	2,306	2,308	3	0.1%
65.4%	2,303	2,306	3	0.1%
66.7%	2,299	2,305	6	0.3%
67.9%	2,299	2,303	4	0.2%
69.1%	2,295	2,303	7	0.3%
70.4%	2,295	2,300	6	0.2%
71.6%	2,292	2,298	6	0.2%
72.8%	2,290	2,297	7	0.3%
74.1%	2,289	2,294	5	0.2%
75.3%	2,287	2,294	8	0.3%
76.5%	2,287	2,288	1	0.1%
77.8%	2,270	2,282	12	0.5%
79.0%	2,268	2,282	14	0.6%
80.2%	2,267	2,279	12	0.5%
81.5%	2,266	2,274	8	0.3%
82.7%	2,265	2,273	8	0.3%
84.0%	2,265	2,271	6	0.3%
85.2%	2,263	2,268	5	0.2%
86.4%	2,263	2,265	2	0.1%
87.7%	2,253	2,261	8	0.4%
88.9%	2,244	2,253	10	0.4%
90.1%	2,238	2,244	6	0.3%
91.4%	2,236	2,237	1	0.0%
92.6%	2,223	2,234	11	0.5%
93.8%	2,217	2,229	12	0.5%
95.1%	2,213	2,225	12	0.6%
96.3%	2,211	2,213	2	0.1%
97.5%	2,206	2,211	5	0.2%
98.8%	2,195	2,201	6	0.3%
100.0%	2,191	2,193	2	0.1%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,353	2,353	0	0.0%
1.2%	2,353	2,353	0	0.0%
2.5%	2,353	2,353	0	0.0%
3.7%	2,353	2,353	0	0.0%
4.9%	2,353	2,353	0	0.0%
6.2%	2,353	2,353	0	0.0%
7.4%	2,353	2,353	0	0.0%
8.6%	2,353	2,353	0	0.0%
9.9%	2,353	2,353	0	0.0%
11.1%	2,353	2,353	0	0.0%
12.3%	2,353	2,353	0	0.0%
13.6%	2,353	2,353	0	0.0%
14.8%	2,352	2,353	1	0.1%
16.0%	2,351	2,352	1	0.0%
17.3%	2,350	2,351	1	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,348	2,349	1	0.0%
21.0%	2,348	2,348	0	0.0%
22.2%	2,347	2,345	-2	-0.1%
23.5%	2,341	2,341	0	0.0%
24.7%	2,341	2,341	1	0.0%
25.9%	2,339	2,341	2	0.1%
27.2%	2,336	2,339	3	0.1%
28.4%	2,336	2,337	1	0.0%
29.6%	2,334	2,336	2	0.1%
30.9%	2,334	2,334	0	0.0%
32.1%	2,331	2,334	3	0.1%
33.3%	2,329	2,332	3	0.1%
34.6%	2,329	2,332	3	0.1%
35.8%	2,328	2,332	4	0.2%
37.0%	2,326	2,331	5	0.2%
38.3%	2,326	2,328	2	0.1%
39.5%	2,314	2,322	7	0.3%
40.7%	2,313	2,321	8	0.3%
42.0%	2,310	2,320	10	0.4%
43.2%	2,310	2,316	6	0.3%
44.4%	2,310	2,314	4	0.2%
45.7%	2,310	2,313	3	0.1%
46.9%	2,307	2,313	6	0.2%
48.1%	2,307	2,312	6	0.2%
49.4%	2,304	2,312	8	0.3%
50.6%	2,303	2,308	5	0.2%
51.9%	2,302	2,307	5	0.2%
53.1%	2,300	2,306	5	0.2%
54.3%	2,299	2,305	6	0.3%
55.6%	2,296	2,305	9	0.4%
56.8%	2,295	2,301	6	0.3%
58.0%	2,293	2,301	8	0.3%
59.3%	2,293	2,298	5	0.2%
60.5%	2,292	2,297	5	0.2%
61.7%	2,292	2,295	4	0.2%
63.0%	2,292	2,295	3	0.1%
64.2%	2,288	2,295	6	0.3%
65.4%	2,288	2,294	6	0.3%
66.7%	2,286	2,294	7	0.3%
67.9%	2,280	2,290	10	0.5%
69.1%	2,280	2,289	9	0.4%
70.4%	2,280	2,287	7	0.3%
71.6%	2,278	2,286	8	0.4%
72.8%	2,277	2,282	5	0.2%
74.1%	2,274	2,280	6	0.3%
75.3%	2,274	2,276	2	0.1%
76.5%	2,273	2,275	2	0.1%
77.8%	2,262	2,269	8	0.3%
79.0%	2,259	2,264	5	0.2%
80.2%	2,255	2,264	9	0.4%
81.5%	2,254	2,262	9	0.4%
82.7%	2,252	2,262	10	0.5%
84.0%	2,251	2,258	7	0.3%
85.2%	2,251	2,257	6	0.3%
86.4%	2,246	2,253	7	0.3%
87.7%	2,239	2,249	10	0.4%
88.9%	2,233	2,233	0	0.0%
90.1%	2,220	2,224	4	0.2%
91.4%	2,207	2,220	13	0.6%
92.6%	2,206	2,218	11	0.5%
93.8%	2,204	2,212	8	0.4%
95.1%	2,201	2,208	7	0.3%
96.3%	2,183	2,207	24	1.1%
97.5%	2,172	2,205	34	1.6%
98.8%	2,170	2,185	15	0.7%
100.0%	2,154	2,146	-7	-0.3%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,343	2,343	0	0.0%
2.5%	2,343	2,343	0	0.0%
3.7%	2,343	2,343	0	0.0%
4.9%	2,343	2,343	0	0.0%
6.2%	2,343	2,343	0	0.0%
7.4%	2,343	2,343	0	0.0%
8.6%	2,343	2,343	0	0.0%
9.9%	2,343	2,343	0	0.0%
11.1%	2,343	2,343	0	0.0%
12.3%	2,343	2,343	0	0.0%
13.6%	2,343	2,343	0	0.0%
14.8%	2,343	2,343	0	0.0%
16.0%	2,343	2,343	0	0.0%
17.3%	2,343	2,343	0	0.0%
18.5%	2,343	2,341	-2	-0.1%
19.8%	2,342	2,340	-2	-0.1%
21.0%	2,334	2,339	6	0.2%
22.2%	2,334	2,334	0	0.0%
23.5%	2,330	2,331	2	0.1%
24.7%	2,329	2,330	1	0.0%
25.9%	2,327	2,329	2	0.1%
27.2%	2,326	2,327	0	0.0%
28.4%	2,325	2,326	1	0.0%
29.6%	2,323	2,325	2	0.1%
30.9%	2,322	2,324	2	0.1%
32.1%	2,319	2,322	4	0.2%
33.3%	2,318	2,321	3	0.1%
34.6%	2,317	2,320	3	0.1%
35.8%	2,316	2,320	4	0.2%
37.0%	2,314	2,319	5	0.2%
38.3%	2,314	2,316	2	0.1%
39.5%	2,302	2,310	7	0.3%
40.7%	2,301	2,309	8	0.3%
42.0%	2,298	2,308	10	0.4%
43.2%	2,297	2,304	7	0.3%
44.4%	2,297	2,302	5	0.2%
45.7%	2,297	2,301	4	0.2%
46.9%	2,296	2,301	5	0.2%
48.1%	2,295	2,300	5	0.2%
49.4%	2,295	2,299	5	0.2%
50.6%	2,294	2,299	5	0.2%
51.9%	2,293	2,296	3	0.1%
53.1%	2,292	2,296	4	0.2%
54.3%	2,291	2,296	5	0.2%
55.6%	2,290	2,295	5	0.2%
56.8%	2,286	2,292	6	0.3%
58.0%	2,284	2,291	7	0.3%
59.3%	2,283	2,291	8	0.3%
60.5%	2,282	2,289	7	0.3%
61.7%	2,282	2,288	7	0.3%
63.0%	2,282	2,285	4	0.2%
64.2%	2,278	2,285	7	0.3%
65.4%	2,277	2,285	8	0.3%
66.7%	2,272	2,284	13	0.6%
67.9%	2,269	2,279	10	0.5%
69.1%	2,269	2,277	8	0.4%
70.4%	2,269	2,276	7	0.3%
71.6%	2,267	2,270	3	0.1%
72.8%	2,267	2,270	3	0.1%
74.1%	2,266	2,269	3	0.1%
75.3%	2,263	2,268	6	0.2%
76.5%	2,257	2,264	7	0.3%
77.8%	2,254	2,262	8	0.4%
79.0%	2,251	2,257	6	0.3%
80.2%	2,245	2,255	10	0.4%
81.5%	2,244	2,253	9	0.4%
82.7%	2,242	2,252	10	0.4%
84.0%	2,242	2,248	6	0.3%
85.2%	2,242	2,247	6	0.3%
86.4%	2,236	2,243	7	0.3%
87.7%	2,228	2,240	12	0.5%
88.9%	2,221	2,223	2	0.1%
90.1%	2,208	2,207	-1	0.0%
91.4%	2,201	2,206	5	0.2%
92.6%	2,201	2,202	0	0.0%
93.8%	2,183	2,192	9	0.4%
95.1%	2,182	2,190	7	0.3%
96.3%	2,174	2,184	10	0.4%
97.5%	2,164	2,183	19	0.9%
98.8%	2,157	2,177	19	0.9%
100.0%	2,103	2,103	0	0.0%

Table SW-03-5a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative B	10,877	10,949	11,225	11,555	12,107	12,705	13,401	13,373	13,212	12,554	11,867	11,210
Difference	296	313	291	264	240	199	182	185	192	218	273	255
Percent Difference[3]	2.8%	2.9%	2.7%	2.3%	2.0%	1.6%	1.4%	1.4%	1.5%	1.8%	2.4%	2.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative B	13,140	13,182	13,254	13,278	14,007	14,553	15,271	15,406	15,312	14,784	14,265	13,619
Difference	74	71	65	162	117	61	54	52	57	54	49	47
Percent Difference	0.6%	0.5%	0.5%	1.2%	0.8%	0.4%	0.4%	0.3%	0.4%	0.4%	0.3%	0.3%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative B	12,355	12,358	12,503	12,106	12,881	13,724	14,480	14,523	14,414	13,895	13,298	12,660
Difference	326	362	363	363	345	307	294	285	288	302	345	377
Percent Difference	2.7%	3.0%	3.0%	3.1%	2.8%	2.3%	2.1%	2.0%	2.0%	2.2%	2.7%	3.1%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative B	10,559	10,747	11,154	10,942	11,346	11,845	12,753	12,709	12,528	11,897	11,237	10,684
Difference	307	316	266	247	232	214	194	192	210	248	300	333
Percent Difference	3.0%	3.0%	2.4%	2.3%	2.1%	1.8%	1.5%	1.5%	1.7%	2.1%	2.7%	3.2%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative B	9,686	9,773	10,370	11,097	11,548	12,222	12,898	12,673	12,393	11,561	10,700	10,018
Difference	366	396	382	304	286	231	200	220	235	220	317	302
Percent Difference	3.9%	4.2%	3.8%	2.8%	2.5%	1.9%	1.6%	1.8%	1.9%	1.9%	3.1%	3.1%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative B	6,655	6,700	6,917	8,675	8,943	9,409	9,782	9,646	9,488	8,639	7,724	6,943
Difference	632	660	605	343	338	322	306	313	301	456	587	421
Percent Difference	10.5%	10.9%	9.6%	4.1%	3.9%	3.5%	3.2%	3.4%	3.3%	5.6%	8.2%	6.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

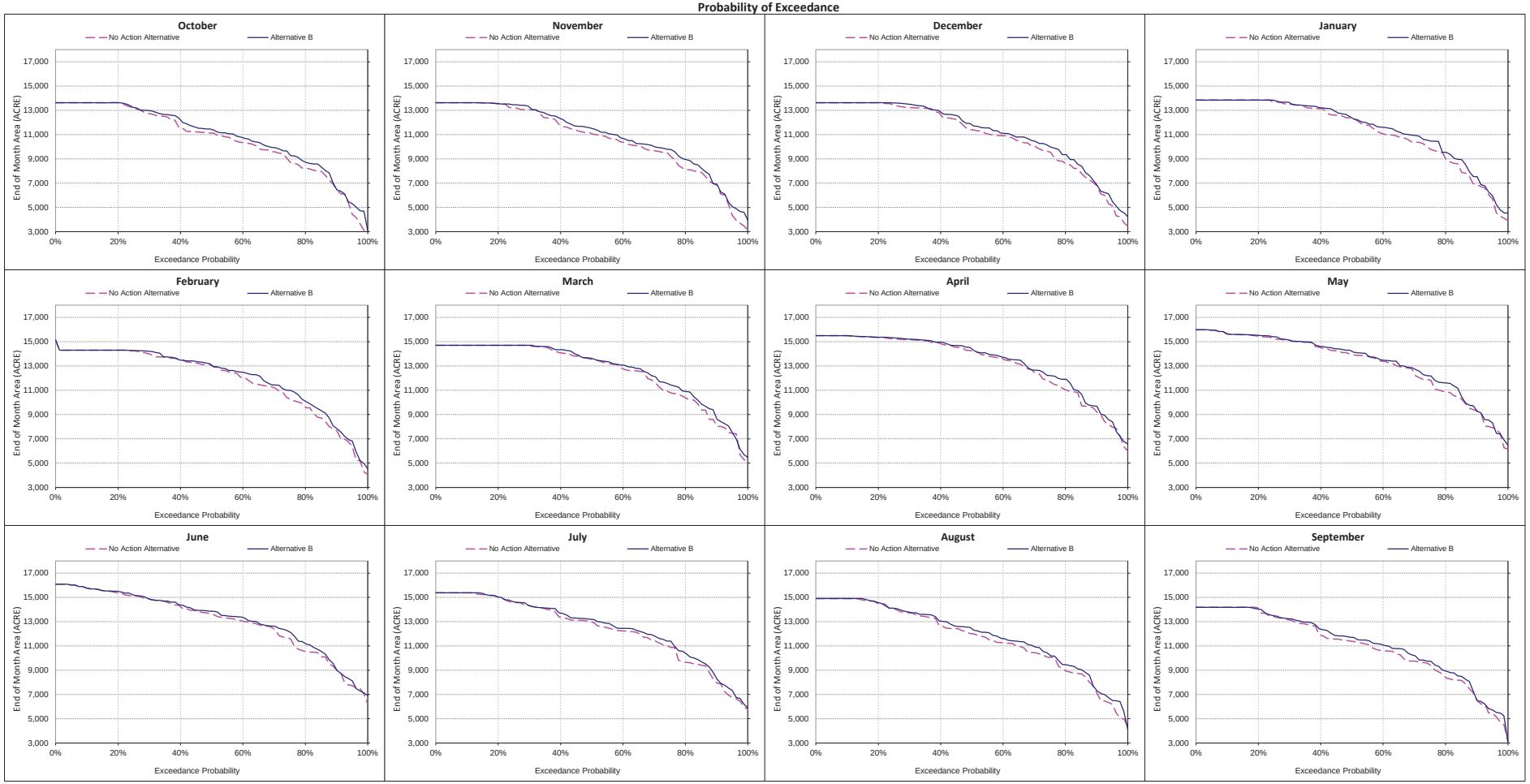

Table SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,537	104	0.8%
23.5%	13,316	13,433	117	0.9%
24.7%	13,198	13,233	34	0.3%
25.9%	13,095	13,192	97	0.7%
27.2%	13,015	13,031	16	0.1%
28.4%	12,826	13,008	182	1.4%
29.6%	12,735	12,978	243	1.9%
30.9%	12,689	12,946	258	2.0%
32.1%	12,584	12,831	246	2.0%
33.3%	12,522	12,722	200	1.6%
34.6%	12,513	12,671	158	1.3%
35.8%	12,455	12,647	192	1.5%
37.0%	12,208	12,603	395	3.2%
38.3%	12,186	12,547	361	3.0%
39.5%	11,561	12,341	781	6.8%
40.7%	11,512	12,008	496	4.3%
42.0%	11,274	11,889	615	5.5%
43.2%	11,257	11,754	497	4.4%
44.4%	11,243	11,646	403	3.6%
45.7%	11,209	11,522	313	2.8%
46.9%	11,188	11,512	324	2.9%
48.1%	11,159	11,472	313	2.8%
49.4%	11,129	11,471	343	3.1%
50.6%	11,119	11,377	258	2.3%
51.9%	10,941	11,202	261	2.4%
53.1%	10,897	11,149	252	2.3%
54.3%	10,807	11,141	334	3.1%
55.6%	10,780	11,064	284	2.6%
56.8%	10,560	11,062	502	4.8%
58.0%	10,448	10,875	427	4.1%
59.3%	10,357	10,801	443	4.3%
60.5%	10,355	10,685	330	3.2%
61.7%	10,290	10,641	351	3.4%
63.0%	10,214	10,452	239	2.3%
64.2%	10,075	10,390	316	3.1%
65.4%	9,799	10,322	524	5.3%
66.7%	9,746	10,147	401	4.1%
67.9%	9,736	10,023	287	2.9%
69.1%	9,601	9,941	340	3.5%
70.4%	9,570	9,921	351	3.7%
71.6%	9,472	9,813	341	3.6%
72.8%	9,431	9,667	236	2.5%
74.1%	9,054	9,637	584	6.4%
75.3%	8,699	9,267	568	6.5%
76.5%	8,658	9,238	580	6.7%
77.8%	8,507	9,120	613	7.2%
79.0%	8,242	8,862	619	7.5%
80.2%	8,231	8,709	477	5.8%
81.5%	8,169	8,611	443	5.4%
82.7%	8,058	8,581	523	6.5%
84.0%	7,986	8,578	593	7.4%
85.2%	7,965	8,318	353	4.4%
86.4%	7,642	8,038	396	5.2%
87.7%	7,259	7,841	582	8.0%
88.9%	6,913	7,018	105	1.5%
90.1%	6,463	6,432	-31	-0.5%
91.4%	6,120	6,325	205	3.3%
92.6%	6,101	6,124	23	0.4%
93.8%	5,334	5,471	137	2.6%
95.1%	4,426	5,308	881	19.9%
96.3%	4,168	5,013	846	20.3%
97.5%	3,652	4,713	1,061	29.1%
98.8%	3,120	4,687	1,567	50.2%
100.0%	3,120	3,120	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,609	-16	-0.1%
16.0%	13,604	13,604	0	0.0%
17.3%	13,596	13,596	0	0.0%
18.5%	13,579	13,579	0	0.0%
19.8%	13,525	13,566	40	0.3%
21.0%	13,525	13,530	5	0.0%
22.2%	13,512	13,528	16	0.1%
23.5%	13,242	13,516	273	2.1%
24.7%	13,192	13,461	269	2.0%
25.9%	13,188	13,461	272	2.1%
27.2%	13,070	13,423	353	2.7%
28.4%	13,049	13,413	364	2.8%
29.6%	13,047	13,345	297	2.3%
30.9%	13,041	13,074	34	0.3%
32.1%	13,037	13,034	-3	0.0%
33.3%	12,746	12,884	138	1.1%
34.6%	12,406	12,821	415	3.3%
35.8%	12,369	12,673	304	2.5%
37.0%	12,344	12,558	214	1.7%
38.3%	12,237	12,545	308	2.5%
39.5%	11,839	12,370	532	4.5%
40.7%	11,648	12,241	593	5.1%
42.0%	11,625	11,999	375	3.2%
43.2%	11,476	11,867	390	3.4%
44.4%	11,422	11,715	293	2.6%
45.7%	11,296	11,685	389	3.4%
46.9%	11,214	11,670	455	4.1%
48.1%	11,152	11,615	462	4.1%
49.4%	11,137	11,560	423	3.8%
50.6%	11,023	11,469	445	4.0%
51.9%	10,970	11,363	393	3.6%
53.1%	10,910	11,192	282	2.6%
54.3%	10,861	11,189	328	3.0%
55.6%	10,688	11,057	369	3.5%
56.8%	10,669	11,013	344	3.2%
58.0%	10,585	10,971	386	3.6%
59.3%	10,396	10,746	351	3.4%
60.5%	10,347	10,646	299	2.9%
61.7%	10,202	10,500	298	2.9%
63.0%	10,123	10,497	374	3.7%
64.2%	10,089	10,259	170	1.7%
65.4%	10,075	10,237	162	1.6%
66.7%	9,874	10,218	344	3.5%
67.9%	9,737	10,182	444	4.6%
69.1%	9,707	10,110	403	4.2%
70.4%	9,663	9,970	308	3.2%
71.6%	9,598	9,929	330	3.4%
72.8%	9,542	9,880	339	3.5%
74.1%	9,539	9,805	266	2.8%
75.3%	9,203	9,777	573	6.2%
76.5%	8,953	9,597	644	7.2%
77.8%	8,470	9,230	760	9.0%
79.0%	8,245	9,017	773	9.4%
80.2%	8,103	8,934	830	10.2%
81.5%	8,101	8,846	745	9.2%
82.7%	8,011	8,583	573	7.2%
84.0%	7,943	8,510	567	7.1%
85.2%	7,882	8,203	321	4.1%
86.4%	7,546	7,942	396	5.3%
87.7%	7,155	7,737	582	8.1%
88.9%	6,983	6,952	-31	-0.4%
90.1%	6,840	6,904	64	0.9%
91.4%	6,081	6,264	183	3.0%
92.6%	6,031	6,086	55	0.9%
93.8%	5,218	5,398	181	3.5%
95.1%	4,329	5,065	737	17.0%
96.3%	3,940	4,898	958	24.3%
97.5%	3,686	4,658	972	26.4%
98.8%	3,471	4,596	1,125	32.4%
100.0%	3,120	3,942	822	26.3%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,625	70	0.5%
24.7%	13,478	13,625	147	1.1%
25.9%	13,373	13,613	240	1.8%
27.2%	13,304	13,567	263	2.0%
28.4%	13,254	13,560	305	2.3%
29.6%	13,234	13,502	268	2.0%
30.9%	13,214	13,483	269	2.0%
32.1%	13,198	13,419	221	1.7%
33.3%	13,195	13,375	180	1.4%
34.6%	13,174	13,351	178	1.3%
35.8%	13,168	13,173	5	0.0%
37.0%	13,130	13,060	-71	-0.5%
38.3%	12,884	13,031	148	1.1%
39.5%	12,808	12,966	157	1.2%
40.7%	12,394	12,714	319	2.6%
42.0%	12,383	12,666	283	2.3%
43.2%	12,339	12,663	324	2.6%
44.4%	12,282	12,597	315	2.6%
45.7%	12,147	12,505	357	2.9%
46.9%	11,843	12,146	304	2.6%
48.1%	11,541	11,926	385	3.3%
49.4%	11,401	11,908	507	4.4%
50.6%	11,375	11,696	321	2.8%
51.9%	11,307	11,681	374	3.3%
53.1%	11,298	11,568	271	2.4%
54.3%	11,099	11,551	452	4.1%
55.6%	11,025	11,548	523	4.7%
56.8%	10,992	11,338	346	3.2%
58.0%	10,927	11,307	380	3.5%
59.3%	10,917	11,113	196	1.8%
60.5%	10,917	11,095	178	1.6%
61.7%	10,788	11,085	297	2.8%
63.0%	10,747	10,960	213	2.0%
64.2%	10,536	10,804	268	2.5%
65.4%	10,427	10,797	370	3.5%
66.7%	10,329	10,796	467	4.5%
67.9%	10,306	10,669	363	3.5%
69.1%	10,056	10,524	469	4.7%
70.4%	10,018	10,442	424	4.2%
71.6%	9,816	10,262	446	4.5%
72.8%	9,690	10,260	569	5.9%
74.1%	9,643	10,140	498	5.2%
75.3%	9,535	9,976	441	4.6%
76.5%	9,014	9,876	862	9.6%
77.8%	8,835	9,779	944	10.7%
79.0%	8,798	9,352	554	6.3%
80.2%	8,590	9,350	760	8.8%
81.5%	8,519	8,933	414	4.9%
82.7%	8,212	8,933	722	8.8%
84.0%	8,211	8,549	339	4.1%
85.2%	7,777	8,406	629	8.1%
86.4%	7,478	7,874	396	5.3%
87.7%	7,260	7,631	371	5.1%
88.9%	7,049	7,230	180	2.6%
90.1%	6,775	6,839	64	0.9%
91.4%	6,105	6,334	230	3.8%
92.6%	5,992	6,230	238	4.0%
93.8%	5,295	6,109	813	15.4%
95.1%	5,141	5,471	331	6.4%
96.3%	4,295	5,090	795	18.5%
97.5%	4,228	4,736	508	12.0%
98.8%	3,727	4,562	835	22.4%
100.0%	3,434	4,233	799	23.3%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,850	141	1.0%
25.9%	13,675	13,752	76	0.6%
27.2%	13,654	13,675	21	0.2%
28.4%	13,535	13,668	133	1.0%
29.6%	13,512	13,667	155	1.1%
30.9%	13,488	13,493	5	0.0%
32.1%	13,436	13,438	2	0.0%
33.3%	13,434	13,436	2	0.0%
34.6%	13,328	13,402	74	0.6%
35.8%	13,194	13,374	180	1.4%
37.0%	13,181	13,350	168	1.3%
38.3%	13,151	13,327	176	1.3%
39.5%	13,138	13,210	72	0.5%
40.7%	13,125	13,199	75	0.6%
42.0%	12,782	13,146	365	2.9%
43.2%	12,633	13,138	505	4.0%
44.4%	12,614	12,932	318	2.5%
45.7%	12,588	12,782	193	1.5%
46.9%	12,526	12,716	190	1.5%
48.1%	12,393	12,655	263	2.1%
49.4%	12,378	12,479	101	0.8%
50.6%	12,312	12,277	-35	-0.3%
51.9%	12,110	12,213	103	0.8%
53.1%	11,893	12,035	142	1.2%
54.3%	11,782	12,004	222	1.9%
55.6%	11,759	11,879	119	1.0%
56.8%	11,506	11,847	341	3.0%
58.0%	11,270	11,659	389	3.5%
59.3%	11,117	11,609	493	4.4%
60.5%	11,019	11,586	568	5.2%
61.7%	10,995	11,540	545	5.0%
63.0%	10,968	11,496	528	4.8%
64.2%	10,883	11,302	419	3.8%
65.4%	10,781	11,187	407	3.8%
66.7%	10,725	11,035	310	2.9%
67.9%	10,596	11,011	415	3.9%
69.1%	10,394	10,958	564	5.4%
70.4%	10,377	10,934	557	5.4%
71.6%	10,355	10,856	502	4.8%
72.8%	10,258	10,601	343	3.3%
74.1%	9,973	10,543	571	5.7%
75.3%	9,776	10,469	692	7.1%
76.5%	9,665	10,460	795	8.2%
77.8%	9,574	10,437	864	9.0%
79.0%	9,526	9,545	19	0.2%
80.2%	8,906	9,541	634	7.1%
81.5%	8,756	9,361	605	6.9%
82.7%	8,629	9,042	413	4.8%
84.0%	8,601	8,967	367	4.3%
85.2%	7,885	8,931	1,046	13.3%
86.4%	7,818	8,532	714	9.1%
87.7%	7,541	7,937	396	5.3%
88.9%	6,942	7,540	598	8.6%
90.1%	6,872	7,524	652	9.5%
91.4%	6,720	6,876	156	2.3%
92.6%	6,599	6,784	184	2.8%
93.8%	6,033	6,265	232	3.8%
95.1%	5,695	5,964	269	4.7%
96.3%	4,551	5,217	666	14.6%
97.5%	4,271	4,792	521	12.2%
98.8%	4,111	4,556	444	10.8%
100.0%	3,895	4,538	643	16.5%

Table SW-03-5b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,259	14,300	41	0.3%
24.7%	14,244	14,300	56	0.4%
25.9%	14,232	14,259	27	0.2%
27.2%	14,106	14,253	147	1.0%
28.4%	14,096	14,244	148	1.1%
29.6%	14,006	14,232	226	1.6%
30.9%	13,913	14,182	269	1.9%
32.1%	13,758	14,100	342	2.5%
33.3%	13,742	14,064	322	2.3%
34.6%	13,739	13,763	24	0.2%
35.8%	13,663	13,739	75	0.6%
37.0%	13,640	13,722	82	0.6%
38.3%	13,640	13,648	8	0.1%
39.5%	13,566	13,510	-56	-0.4%
40.7%	13,524	13,466	-58	-0.4%
42.0%	13,330	13,426	96	0.7%
43.2%	13,300	13,424	125	0.9%
44.4%	13,245	13,397	152	1.1%
45.7%	13,224	13,329	105	0.8%
46.9%	13,126	13,313	187	1.4%
48.1%	13,118	13,249	131	1.0%
49.4%	13,116	13,185	70	0.5%
50.6%	12,922	12,942	21	0.2%
51.9%	12,884	12,922	38	0.3%
53.1%	12,636	12,818	183	1.4%
54.3%	12,628	12,769	141	1.1%
55.6%	12,504	12,638	133	1.1%
56.8%	12,457	12,630	173	1.4%
58.0%	12,389	12,543	155	1.3%
59.3%	12,071	12,492	421	3.5%
60.5%	12,069	12,466	397	3.3%
61.7%	11,834	12,360	526	4.4%
63.0%	11,593	12,294	701	6.1%
64.2%	11,532	12,292	759	6.6%
65.4%	11,450	12,156	707	6.2%
66.7%	11,395	11,792	397	3.5%
67.9%	11,320	11,592	272	2.4%
69.1%	11,288	11,456	168	1.5%
70.4%	11,174	11,438	265	2.4%
71.6%	10,937	11,409	472	4.3%
72.8%	10,803	11,113	310	2.9%
74.1%	10,409	11,001	592	5.7%
75.3%	10,218	10,973	755	7.4%
76.5%	10,112	10,837	725	7.2%
77.8%	10,031	10,619	588	5.9%
79.0%	9,924	10,256	332	3.3%
80.2%	9,554	10,066	512	5.4%
81.5%	9,551	9,895	344	3.6%
82.7%	9,074	9,680	606	6.7%
84.0%	8,780	9,487	706	8.0%
85.2%	8,698	9,315	617	7.1%
86.4%	8,428	9,119	690	8.2%
87.7%	8,004	8,714	710	8.9%
88.9%	7,824	8,067	243	3.1%
90.1%	7,672	7,828	156	2.0%
91.4%	6,985	7,562	577	8.3%
92.6%	6,980	7,207	227	3.3%
93.8%	6,747	6,944	198	2.9%
95.1%	6,362	6,811	449	7.1%
96.3%	5,226	5,915	689	13.2%
97.5%	5,207	5,212	5	0.1%
98.8%	4,282	4,965	683	16.0%
100.0%	4,070	4,549	479	11.8%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,700	14,700	0	0.0%
29.6%	14,700	14,700	0	0.0%
30.9%	14,614	14,700	86	0.6%
32.1%	14,611	14,615	4	0.0%
33.3%	14,606	14,614	8	0.1%
34.6%	14,577	14,606	28	0.2%
35.8%	14,516	14,597	81	0.6%
37.0%	14,332	14,516	184	1.3%
38.3%	14,224	14,348	123	0.9%
39.5%	14,096	14,339	243	1.7%
40.7%	14,056	14,334	278	2.0%
42.0%	13,998	14,277	279	2.0%
43.2%	13,918	14,224	307	2.2%
44.4%	13,817	14,019	202	1.5%
45.7%	13,815	13,882	67	0.5%
46.9%	13,701	13,695	-6	0.0%
48.1%	13,649	13,669	20	0.1%
49.4%	13,587	13,647	61	0.4%
50.6%	13,516	13,569	52	0.4%
51.9%	13,468	13,473	6	0.0%
53.1%	13,345	13,419	74	0.6%
54.3%	13,265	13,374	109	0.8%
55.6%	13,191	13,340	149	1.1%
56.8%	13,139	13,179	40	0.3%
58.0%	13,134	13,139	5	0.0%
59.3%	12,858	13,069	211	1.6%
60.5%	12,706	13,048	342	2.7%
61.7%	12,633	12,934	301	2.4%
63.0%	12,600	12,906	306	2.4%
64.2%	12,596	12,806	210	1.7%
65.4%	12,567	12,776	209	1.7%
66.7%	12,508	12,560	52	0.4%
67.9%	11,969	12,432	463	3.9%
69.1%	11,844	12,210	366	3.1%
70.4%	11,623	12,107	484	4.2%
71.6%	11,266	11,712	446	4.0%
72.8%	11,005	11,660	655	6.0%
74.1%	10,946	11,589	643	5.9%
75.3%	10,781	11,421	640	5.9%
76.5%	10,722	11,336	614	5.7%
77.8%	10,641	11,255	614	5.8%
79.0%	10,530	10,938	409	3.9%
80.2%	10,333	10,899	566	5.5%
81.5%	10,216	10,859	643	6.3%
82.7%	10,186	10,458	273	2.7%
84.0%	9,877	10,195	318	3.2%
85.2%	9,370	9,848	478	5.1%
86.4%	9,368	9,684	316	3.4%
87.7%	8,606	9,480	874	10.2%
88.9%	8,604	9,400	797	9.3%
90.1%	8,028	8,608	580	7.2%
91.4%	8,018	8,416	398	5.0%
92.6%	7,916	8,237	321	4.1%
93.8%	7,517	8,056	538	7.2%
95.1%	7,460	7,524	64	0.9%
96.3%	7,397	7,006	-392	-5.3%
97.5%	5,688	6,156	469	8.2%
98.8%	5,272	5,693	421	8.0%
100.0%	5,206	5,471	266	5.1%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,459	15,500	41	0.3%
12.3%	15,433	15,453	20	0.1%
13.6%	15,433	15,433	0	0.0%
14.8%	15,412	15,427	15	0.1%
16.0%	15,402	15,412	10	0.1%
17.3%	15,375	15,402	27	0.2%
18.5%	15,363	15,387	25	0.2%
19.8%	15,353	15,369	16	0.1%
21.0%	15,345	15,364	19	0.1%
22.2%	15,336	15,363	27	0.2%
23.5%	15,265	15,354	89	0.6%
24.7%	15,235	15,330	95	0.6%
25.9%	15,203	15,299	96	0.6%
27.2%	15,199	15,286	87	0.6%
28.4%	15,173	15,235	62	0.4%
29.6%	15,170	15,215	44	0.3%
30.9%	15,155	15,199	44	0.3%
32.1%	15,132	15,173	42	0.3%
33.3%	15,121	15,170	49	0.3%
34.6%	15,064	15,139	75	0.5%
35.8%	15,061	15,121	60	0.4%
37.0%	14,946	15,064	118	0.8%
38.3%	14,913	14,970	57	0.4%
39.5%	14,896	14,970	73	0.5%
40.7%	14,766	14,946	179	1.2%
42.0%	14,705	14,827	121	0.8%
43.2%	14,681	14,713	31	0.2%
44.4%	14,552	14,688	136	0.9%
45.7%	14,534	14,676	142	1.0%
46.9%	14,509	14,667	158	1.1%
48.1%	14,287	14,557	271	1.9%
49.4%	14,277	14,534	257	1.8%
50.6%	14,176	14,271	96	0.7%
51.9%	14,153	14,111	-42	-0.3%
53.1%	13,932	14,079	146	1.1%
54.3%	13,908	14,075	167	1.2%
55.6%	13,802	13,961	159	1.2%
56.8%	13,753	13,923	171	1.2%
58.0%	13,688	13,867	179	1.3%
59.3%	13,679	13,757	79	0.6%
60.5%	13,505	13,698	193	1.4%
61.7%	13,452	13,581	129	1.0%
63.0%	13,391	13,521	130	1.0%
64.2%	13,226	13,505	279	2.1%
65.4%	13,146	13,478	332	2.5%
66.7%	12,981	13,219	238	1.8%
67.9%	12,769	12,879	110	0.9%
69.1%	12,684	12,689	5	0.0%
70.4%	12,397	12,661	264	2.1%
71.6%	12,336	12,622	286	2.3%
72.8%	11,915	12,487	571	4.8%
74.1%	11,858	12,224	366	3.1%
75.3%	11,653	12,209	556	4.8%
76.5%	11,463	12,167	704	6.1%
77.8%	11,410	11,964	554	4.9%
79.0%	11,163	11,909	746	6.7%
80.2%	11,020	11,906	886	8.0%
81.5%	10,903	11,592	688	6.3%
82.7%	10,875	11,044	169	1.6%
84.0%	10,808	10,985	177	1.6%
85.2%	9,716	10,658	942	9.7%
86.4%	9,697	9,929	232	2.4%
87.7%	9,615	9,766	151	1.6%
88.9%	9,564	9,720	156	1.6%
90.1%	9,189	9,668	478	5.2%
91.4%	8,971	9,034	63	0.7%
92.6%	8,403	8,933	531	6.3%
93.8%	8,182	8,569	387	4.7%
95.1%	7,966	8,384	418	5.2%
96.3%	7,853	7,575	-277	-3.5%
97.5%	7,196	7,200	4	0.1%
98.8%	6,338	6,766	427	6.7%
100.0%	5,979	6,568	589	9.8%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,980	15,980	0	0.0%
1.2%	15,980	15,980	0	0.0%
2.5%	15,980	15,980	0	0.0%
3.7%	15,980	15,980	0	0.0%
4.9%	15,944	15,944	0	0.0%
6.2%	15,941	15,941	0	0.0%
7.4%	15,843	15,837	-6	0.0%
8.6%	15,835	15,835	0	0.0%
9.9%	15,619	15,665	46	0.3%
11.1%	15,601	15,613	12	0.1%
12.3%	15,592	15,601	9	0.1%
13.6%	15,582	15,595	13	0.1%
14.8%	15,572	15,588	16	0.1%
16.0%	15,571	15,582	11	0.1%
17.3%	15,541	15,571	30	0.2%
18.5%	15,502	15,566	64	0.4%
19.8%	15,466	15,541	75	0.5%
21.0%	15,404	15,502	99	0.6%
22.2%	15,395	15,493	97	0.6%
23.5%	15,386	15,466	80	0.5%
24.7%	15,238	15,402	165	1.1%
25.9%	15,215	15,386	171	1.1%
27.2%	15,185	15,238	53	0.3%
28.4%	15,160	15,204	44	0.3%
29.6%	15,157	15,153	-3	0.0%
30.9%	15,038	15,038	0	0.0%
32.1%	15,033	15,033	0	0.0%
33.3%	14,993	15,027	34	0.2%
34.6%	14,952	14,993	41	0.3%
35.8%	14,949	14,983	34	0.2%
37.0%	14,931	14,952	21	0.1%
38.3%	14,610	14,722	112	0.8%
39.5%	14,543	14,610	67	0.5%
40.7%	14,458	14,600	142	1.0%
42.0%	14,431	14,543	112	0.8%
43.2%	14,286	14,515	229	1.6%
44.4%	14,265	14,422	157	1.1%
45.7%	14,240	14,415	175	1.2%
46.9%	14,108	14,360	253	1.8%
48.1%	14,097	14,308	211	1.5%
49.4%	13,986	14,300	314	2.2%
50.6%	13,901	14,117	217	1.6%
51.9%	13,871	14,079	208	1.5%
53.1%	13,867	14,053	186	1.3%
54.3%	13,807	14,049	242	1.8%
55.6%	13,797	13,737	-60	-0.4%
56.8%	13,668	13,732	65	0.5%
58.0%	13,578	13,655	77	0.6%
59.3%	13,390	13,514	124	0.9%
60.5%	13,374	13,458	84	0.6%
61.7%	13,268	13,450	182	1.4%
63.0%	13,203	13,393	190	1.4%
64.2%	13,021	13,390	369	2.8%
65.4%	12,934	13,014	80	0.6%
66.7%	12,899	12,994	95	0.7%
67.9%	12,829	12,896	67	0.5%
69.1%	12,786	12,873	86	0.7%
70.4%	12,199	12,707	508	4.2%
71.6%	12,033	12,570	537	4.5%
72.8%	11,885	12,288	403	3.4%
74.1%	11,883	12,193	309	2.6%
75.3%	11,821	12,185	364	3.1%
76.5%	11,081	11,824	744	6.7%
77.8%	11,030	11,674	644	5.8%
79.0%	10,921	11,620	698	6.4%
80.2%	10,867	11,608	740	6.8%
81.5%	10,800	11,569	769	7.1%
82.7%	10,546	11,353	807	7.6%
84.0%	10,447	11,166	719	6.9%
85.2%	10,264	10,473	209	2.0%
86.4%	9,887	9,945	58	0.6%
87.7%	9,514	9,757	244	2.6%
88.9%	9,407	9,715	308	3.3%
90.1%	9,274	9,278	4	0.0%
91.4%	9,175	9,144	-31	-0.3%
92.6%	8,052	8,581	529	6.6%
93.8%	8,011	8,538	527	6.6%
95.1%	7,918	8,305	387	4.9%
96.3%	7,777	7,455	-322	-4.1%
97.5%	7,451	7,388	-63	-0.8%
98.8%	6,256	6,924	668	10.7%
100.0%	6,157	6,485	328	5.3%

Table SW-03-5b
Trinity Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,026	0	0.0%
6.2%	16,021	16,021	0	0.0%
7.4%	15,903	15,903	0	0.0%
8.6%	15,888	15,888	0	0.0%
9.9%	15,770	15,770	0	0.0%
11.1%	15,710	15,704	-6	0.0%
12.3%	15,696	15,703	7	0.0%
13.6%	15,661	15,661	0	0.0%
14.8%	15,559	15,578	19	0.1%
16.0%	15,518	15,529	11	0.1%
17.3%	15,516	15,527	11	0.1%
18.5%	15,438	15,516	78	0.5%
19.8%	15,372	15,512	140	0.9%
21.0%	15,358	15,445	87	0.6%
22.2%	15,203	15,364	162	1.1%
23.5%	15,157	15,352	195	1.3%
24.7%	15,146	15,203	57	0.4%
25.9%	15,116	15,147	31	0.2%
27.2%	15,049	15,116	66	0.4%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,898	-6	0.0%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,594	14,690	96	0.7%
37.0%	14,472	14,617	145	1.0%
38.3%	14,371	14,606	235	1.6%
39.5%	14,349	14,405	56	0.4%
40.7%	14,075	14,352	276	2.0%
42.0%	14,062	14,204	142	1.0%
43.2%	13,932	14,132	200	1.4%
44.4%	13,926	13,967	41	0.3%
45.7%	13,833	13,932	99	0.7%
46.9%	13,765	13,926	161	1.2%
48.1%	13,735	13,908	173	1.3%
49.4%	13,667	13,868	201	1.5%
50.6%	13,579	13,851	271	2.0%
51.9%	13,425	13,800	375	2.8%
53.1%	13,351	13,520	168	1.3%
54.3%	13,309	13,501	192	1.4%
55.6%	13,276	13,448	172	1.3%
56.8%	13,243	13,441	198	1.5%
58.0%	13,124	13,404	280	2.1%
59.3%	13,092	13,393	302	2.3%
60.5%	13,000	13,293	292	2.2%
61.7%	12,971	13,084	113	0.9%
63.0%	12,895	13,031	136	1.1%
64.2%	12,836	13,017	181	1.4%
65.4%	12,703	12,813	110	0.9%
66.7%	12,641	12,727	86	0.7%
67.9%	12,636	12,654	17	0.1%
69.1%	12,535	12,634	98	0.8%
70.4%	12,334	12,613	279	2.3%
71.6%	11,841	12,446	604	5.1%
72.8%	11,738	12,393	655	5.6%
74.1%	11,684	12,270	586	5.0%
75.3%	11,574	12,101	527	4.6%
76.5%	10,959	11,773	814	7.4%
77.8%	10,726	11,406	681	6.3%
79.0%	10,616	11,365	748	7.0%
80.2%	10,516	11,169	653	6.2%
81.5%	10,490	11,069	579	5.5%
82.7%	10,488	10,861	373	3.6%
84.0%	10,447	10,705	259	2.5%
85.2%	10,105	10,548	442	4.4%
86.4%	10,100	10,318	218	2.2%
87.7%	9,509	9,857	348	3.7%
88.9%	9,344	9,549	205	2.2%
90.1%	8,974	8,978	4	0.0%
91.4%	8,770	8,739	-31	-0.4%
92.6%	7,969	8,494	525	6.6%
93.8%	7,779	8,309	530	6.8%
95.1%	7,741	8,129	388	5.0%
96.3%	7,515	7,486	-29	-0.4%
97.5%	7,482	7,291	-190	-2.5%
98.8%	7,064	7,127	64	0.9%
100.0%	6,233	6,934	701	11.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,344	15,380	36	0.2%
13.6%	15,254	15,375	121	0.8%
14.8%	15,241	15,327	85	0.6%
16.0%	15,232	15,239	7	0.0%
17.3%	15,174	15,168	-6	0.0%
18.5%	15,165	15,165	0	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,793	-6	0.0%
23.5%	14,659	14,786	126	0.9%
24.7%	14,585	14,659	75	0.5%
25.9%	14,569	14,585	16	0.1%
27.2%	14,568	14,570	2	0.0%
28.4%	14,354	14,568	214	1.5%
29.6%	14,342	14,348	6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,140	2	0.0%
34.6%	14,100	14,139	38	0.3%
35.8%	13,990	14,107	117	0.8%
37.0%	13,968	14,100	133	0.9%
38.3%	13,807	14,075	268	1.9%
39.5%	13,371	13,740	368	2.8%
40.7%	13,357	13,666	309	2.3%
42.0%	13,260	13,543	283	2.1%
43.2%	13,139	13,315	176	1.3%
44.4%	13,118	13,297	179	1.4%
45.7%	13,115	13,277	163	1.2%
46.9%	13,105	13,260	155	1.2%
48.1%	13,076	13,237	161	1.2%
49.4%	12,974	13,198	223	1.7%
50.6%	12,927	13,174	247	1.9%
51.9%	12,654	13,009	355	2.8%
53.1%	12,613	12,959	345	2.7%
54.3%	12,545	12,877	332	2.6%
55.6%	12,449	12,851	402	3.2%
56.8%	12,377	12,666	289	2.3%
58.0%	12,287	12,474	187	1.5%
59.3%	12,241	12,448	208	1.7%
60.5%	12,224	12,446	223	1.8%
61.7%	12,213	12,441	228	1.9%
63.0%	12,167	12,418	252	2.1%
64.2%	12,136	12,307	171	1.4%
65.4%	11,978	12,181	204	1.7%
66.7%	11,714	12,114	400	3.4%
67.9%	11,692	11,960	268	2.3%
69.1%	11,460	11,934	475	4.1%
70.4%	11,406	11,787	382	3.3%
71.6%	11,234	11,611	377	3.4%
72.8%	11,093	11,539	446	4.0%
74.1%	11,036	11,397	361	3.3%
75.3%	10,881	11,397	516	4.7%
76.5%	10,877	10,969	93	0.9%
77.8%	9,845	10,602	757	7.7%
79.0%	9,696	10,574	879	9.1%
80.2%	9,645	10,378	733	7.6%
81.5%	9,613	10,098	485	5.1%
82.7%	9,512	9,997	485	5.1%
84.0%	9,495	9,889	393	4.1%
85.2%	9,394	9,692	298	3.2%
86.4%	9,372	9,511	139	1.5%
87.7%	8,802	9,277	475	5.4%
88.9%	8,271	8,828	557	6.7%
90.1%	7,941	8,275	334	4.2%
91.4%	7,875	7,909	35	0.4%
92.6%	7,233	7,764	531	7.3%
93.8%	6,944	7,520	576	8.3%
95.1%	6,754	7,332	578	8.6%
96.3%	6,656	6,758	102	1.5%
97.5%	6,447	6,673	226	3.5%
98.8%	5,954	6,204	250	4.2%
100.0%	5,802	5,873	71	1.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,882	14,900	18	0.1%
14.8%	14,790	14,900	110	0.7%
16.0%	14,742	14,815	74	0.5%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,693	2	0.0%
19.8%	14,511	14,591	80	0.5%
21.0%	14,502	14,511	10	0.1%
22.2%	14,436	14,302	-135	-0.9%
23.5%	14,108	14,109	1	0.0%
24.7%	14,071	14,108	37	0.3%
25.9%	13,974	14,072	98	0.7%
27.2%	13,812	13,967	155	1.1%
28.4%	13,804	13,858	55	0.4%
29.6%	13,725	13,805	81	0.6%
30.9%	13,706	13,725	18	0.1%
32.1%	13,565	13,724	159	1.2%
33.3%	13,471	13,609	138	1.0%
34.6%	13,436	13,595	159	1.2%
35.8%	13,379	13,586	208	1.6%
37.0%	13,296	13,565	269	2.0%
38.3%	13,296	13,403	107	0.8%
39.5%	12,684	13,060	375	3.0%
40.7%	12,600	13,018	418	3.3%
42.0%	12,456	12,978	522	4.2%
43.2%	12,430	12,786	356	2.9%
44.4%	12,430	12,644	214	1.7%
45.7%	12,406	12,602	196	1.6%
46.9%	12,255	12,600	345	2.8%
48.1%	12,201	12,561	359	2.9%
49.4%	12,014	12,531	516	4.3%
50.6%	11,993	12,298	305	2.5%
51.9%	11,873	12,224	351	3.0%
53.1%	11,796	12,136	340	2.9%
54.3%	11,713	12,118	404	3.5%
55.6%	11,509	12,085	576	5.0%
56.8%	11,455	11,861	406	3.5%
58.0%	11,295	11,813	518	4.6%
59.3%	11,277	11,635	359	3.2%
60.5%	11,242	11,590	348	3.1%
61.7%	11,218	11,454	236	2.1%
63.0%	11,205	11,425	220	2.0%
64.2%	10,996	11,402	407	3.7%
65.4%	10,949	11,354	404	3.7%
66.7%	10,848	11,345	496	4.6%
67.9%	10,461	11,127	666	6.4%
69.1%	10,459	11,062	603	5.8%
70.4%	10,434	10,899	466	4.5%
71.6%	10,348	10,857	510	4.9%
72.8%	10,250	10,547	297	2.9%
74.1%	10,078	10,440	361	3.6%
75.3%	10,064	10,175	111	1.1%
76.5%	10,031	10,164	134	1.3%
77.8%	9,314	9,792	478	5.1%
79.0%	9,157	9,472	314	3.4%
80.2%	8,918	9,461	543	6.1%
81.5%	8,856	9,366	511	5.8%
82.7%	8,738	9,330	592	6.8%
84.0%	8,718	9,116	398	4.6%
85.2%	8,695	9,036	341	3.9%
86.4%	8,426	8,817	391	4.6%
87.7%	8,022	8,597	575	7.2%
88.9%	7,699	7,703	4	0.1%
90.1%	7,107	7,308	201	2.8%
91.4%	6,477	7,076	599	9.2%
92.6%	6,452	6,980	528	8.2%
93.8%	6,345	6,733	388	6.1%
95.1%	6,183	6,506	323	5.2%
96.3%	5,471	6,481	1,010	18.5%
97.5%	5,045	6,408	1,363	27.0%
98.8%	4,970	5,549	579	11.6%
100.0%	4,346	4,071	-275	-6.3%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	14,188	0	0.0%
3.7%	14,188	14,188	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	14,188	14,188	0	0.0%
7.4%	14,188	14,188	0	0.0%
8.6%	14,188	14,188	0	0.0%
9.9%	14,188	14,188	0	0.0%
11.1%	14,188	14,188	0	0.0%
12.3%	14,188	14,188	0	0.0%
13.6%	14,188	14,188	0	0.0%
14.8%	14,188	14,188	0	0.0%
16.0%	14,188	14,188	0	0.0%
17.3%	14,188	14,188	0	0.0%
18.5%	14,188	14,102	-85	-0.6%
19.8%	14,157	14,048	-109	-0.8%
21.0%	13,703	13,997	293	2.1%
22.2%	13,695	13,703	8	0.1%
23.5%	13,491	13,579	89	0.7%
24.7%	13,444	13,491	46	0.3%
25.9%	13,329	13,453	123	0.9%
27.2%	13,299	13,323	24	0.2%
28.4%	13,237	13,292	55	0.4%
29.6%	13,157	13,241	84	0.6%
30.9%	13,089	13,209	119	0.9%
32.1%	12,910	13,103	193	1.5%
33.3%	12,864	13,044	180	1.4%
34.6%	12,826	12,964	138	1.1%
35.8%	12,767	12,956	189	1.5%
37.0%	12,657	12,917	259	2.0%
38.3%	12,646	12,753	107	0.8%
39.5%	11,912	12,412	500	4.2%
40.7%	11,831	12,349	518	4.4%
42.0%	11,627	12,278	651	5.6%
43.2%	11,596	12,058	462	4.0%
44.4%	11,559	11,875	317	2.7%
45.7%	11,557	11,831	274	2.4%
46.9%	11,477	11,823	346	3.0%
48.1%	11,461	11,787	326	2.8%
49.4%	11,401	11,728	327	2.9%
50.6%	11,365	11,690	325	2.9%
51.9%	11,300	11,504	204	1.8%
53.1%	11,238	11,492	254	2.3%
54.3%	11,159	11,482	323	2.9%
55.6%	11,094	11,414	320	2.9%
56.8%	10,813	11,225	413	3.8%
58.0%	10,691	11,174	483	4.5%
59.3%	10,631	11,137	507	4.8%
60.5%	10,599	11,029	430	4.1%
61.7%	10,569	10,999	429	4.1%
63.0%	10,556	10,794	239	2.3%
64.2%	10,334	10,784	450	4.4%
65.4%	10,279	10,770	490	4.8%
66.7%	9,930	10,717	786	7.9%
67.9%	9,764	10,407	643	6.6%
69.1%	9,756	10,257	501	5.1%
70.4%	9,744	10,175	431	4.4%
71.6%	9,646	9,842	197	2.0%
72.8%	9,637	9,835	199	2.1%
74.1%	9,585	9,742	157	1.6%
75.3%	9,390	9,733	342	3.6%
76.5%	9,035	9,438	403	4.5%
77.8%	8,859	9,331	473	5.3%
79.0%	8,679	9,022	342	3.9%
80.2%	8,347	8,918	571	6.8%
81.5%	8,278	8,819	541	6.5%
82.7%	8,193	8,757	565	6.9%
84.0%	8,173	8,538	364	4.5%
85.2%	8,152	8,491	339	4.2%
86.4%	7,863	8,255	393	5.0%
87.7%	7,470	8,052	582	7.8%
88.9%	7,138	7,243	105	1.5%
90.1%	6,514	6,483	-31	-0.5%
91.4%	6,216	6,430	215	3.5%
92.6%	6,207	6,220	13	0.2%
93.8%	5,471	5,824	353	6.4%
95.1%	5,462	5,737	274	5.0%
96.3%	5,150	5,519	369	7.2%
97.5%	4,732	5,471	739	15.6%
98.8%	4,481	5,233	752	16.8%
100.0%	3,120	3,120	0	0.0%

Table SW-04-5a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative B	368	360	503	644	606	588	561	3,779	2,091	923	450	445
Difference	0	0	-19	-11	-39	13	6	0	0	0	0	-5
Percent Difference[3]	0.0%	-0.1%	-3.6%	-1.7%	-6.0%	2.2%	1.2%	0.0%	0.0%	0.0%	0.0%	-1.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative B	373	300	775	1,358	1,030	1,199	647	4,636	3,318	1,289	450	450
Difference	0	0	-76	-54	4	103	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.9%	-3.8%	0.4%	9.4%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative B	373	711	621	357	760	300	469	4,462	2,488	1,048	450	450
Difference	0	-2	0	41	-72	-136	0	0	0	0	0	0
Percent Difference	0.0%	-0.3%	0.0%	13.1%	-8.6%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative B	373	300	300	300	345	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-171	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-33.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative B	373	300	325	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	25	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	8.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative B	342	300	300	300	300	300	575	2,092	783	450	450	413
Difference	0	0	0	0	0	0	0	0	0	0	0	-37
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-04-5b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

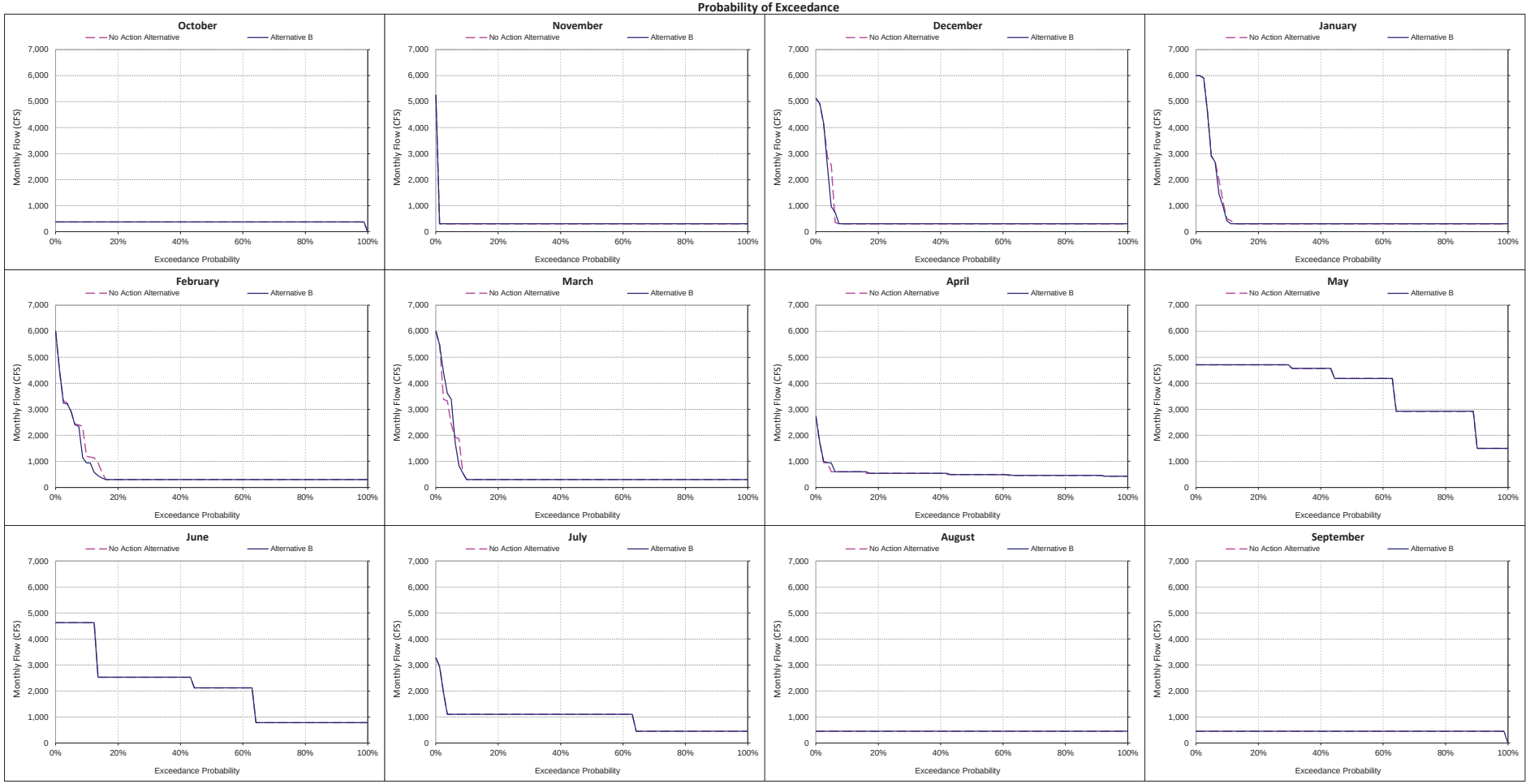

Table SW-04-5b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	0	0	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,261	5,236	-25	-0.5%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,139	5,115	-24	-0.5%
1.2%	4,922	4,922	0	0.0%
2.5%	4,147	4,150	3	0.1%
3.7%	2,872	2,557	-315	-11.0%
4.9%	2,557	964	-1,593	-62.3%
6.2%	349	743	393	112.7%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,907	5,907	0	0.0%
3.7%	4,568	4,568	0	0.0%
4.9%	2,908	2,908	0	0.0%
6.2%	2,670	2,670	0	0.0%
7.4%	1,960	1,435	-525	-26.8%
8.6%	1,175	983	-192	-16.3%
9.9%	486	424	-62	-12.7%
11.1%	432	300	-132	-30.6%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-5b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,238	-98	-2.9%
3.7%	3,238	3,217	-21	-0.6%
4.9%	2,931	2,931	0	0.0%
6.2%	2,434	2,407	-27	-1.1%
7.4%	2,407	2,347	-61	-2.5%
8.6%	2,347	1,138	-1,208	-51.5%
9.9%	1,194	942	-252	-21.1%
11.1%	1,161	935	-226	-19.5%
12.3%	1,138	583	-555	-48.8%
13.6%	942	453	-489	-51.9%
14.8%	583	358	-225	-38.6%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	5,482	0	0.0%
2.5%	3,386	4,438	1,052	31.1%
3.7%	3,321	3,618	297	8.9%
4.9%	2,423	3,386	963	39.8%
6.2%	1,933	1,727	-206	-10.7%
7.4%	1,877	817	-1,060	-56.5%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	988	36	3.8%
3.7%	942	952	10	1.0%
4.9%	600	942	342	57.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	540	600	60	11.1%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	493	540	47	9.5%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	460	493	33	7.2%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,570	4,570	0	0.0%
32.1%	4,570	4,570	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,189	4,189	0	0.0%
45.7%	4,189	4,189	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	1,498	1,498	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-5b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	0	-450	-100.0%

Table SW-05-5a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative B	935	296	315	490	190	344	393	154	530	1,762	1,809	1,744
Difference	-98	-48	59	69	95	74	3	-14	-21	-49	-117	77
Percent Difference[3]	-9.5%	-14.0%	22.9%	16.5%	100.8%	27.5%	0.8%	-8.5%	-3.9%	-2.7%	-6.1%	4.6%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative B	1,510	484	629	467	223	415	473	287	401	1,771	1,711	2,145
Difference	-82	4	93	37	142	72	-10	9	-21	29	32	10
Percent Difference	-5.2%	0.7%	17.4%	8.6%		20.9%	-2.0%	3.3%	-4.9%	1.7%	1.9%	0.5%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative B	1,026	319	285	269	97	452	556	8	166	1,375	1,771	1,917
Difference	62	-119	-20	0	39	150	-32	8	0	-42	-104	-42
Percent Difference	6.5%	-27.1%	-6.5%	0.0%		49.7%	-5.4%		-0.2%	-2.9%	-5.6%	-2.1%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative B	482	136	189	324	280	408	262	61	586	1,466	1,661	1,324
Difference	54	-50	124	29	200	24	-3	0	-74	-71	-136	-36
Percent Difference	12.5%	-26.9%		9.8%		6.3%	-1.3%	0.0%	-11.2%	-4.6%	-7.5%	-2.7%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative B	724	247	109	579	204	244	264	150	875	2,145	2,085	1,550
Difference	-160	-86	8	172	38	103	41	-71	-30	45	-237	82
Percent Difference	-18.1%	-25.8%	8.3%	42.1%	23.0%	73.1%	18.6%	-32.2%	-3.3%	2.1%	-10.2%	5.6%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative B	443	126	125	818	84	154	400	128	589	1,904	1,821	1,480
Difference	-376	-30	62	103	15	19	16	-19	29	-342	-254	468
Percent Difference	-45.9%	-19.2%		14.4%		13.7%	4.1%	-13.2%	5.1%	-15.2%	-12.2%	46.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

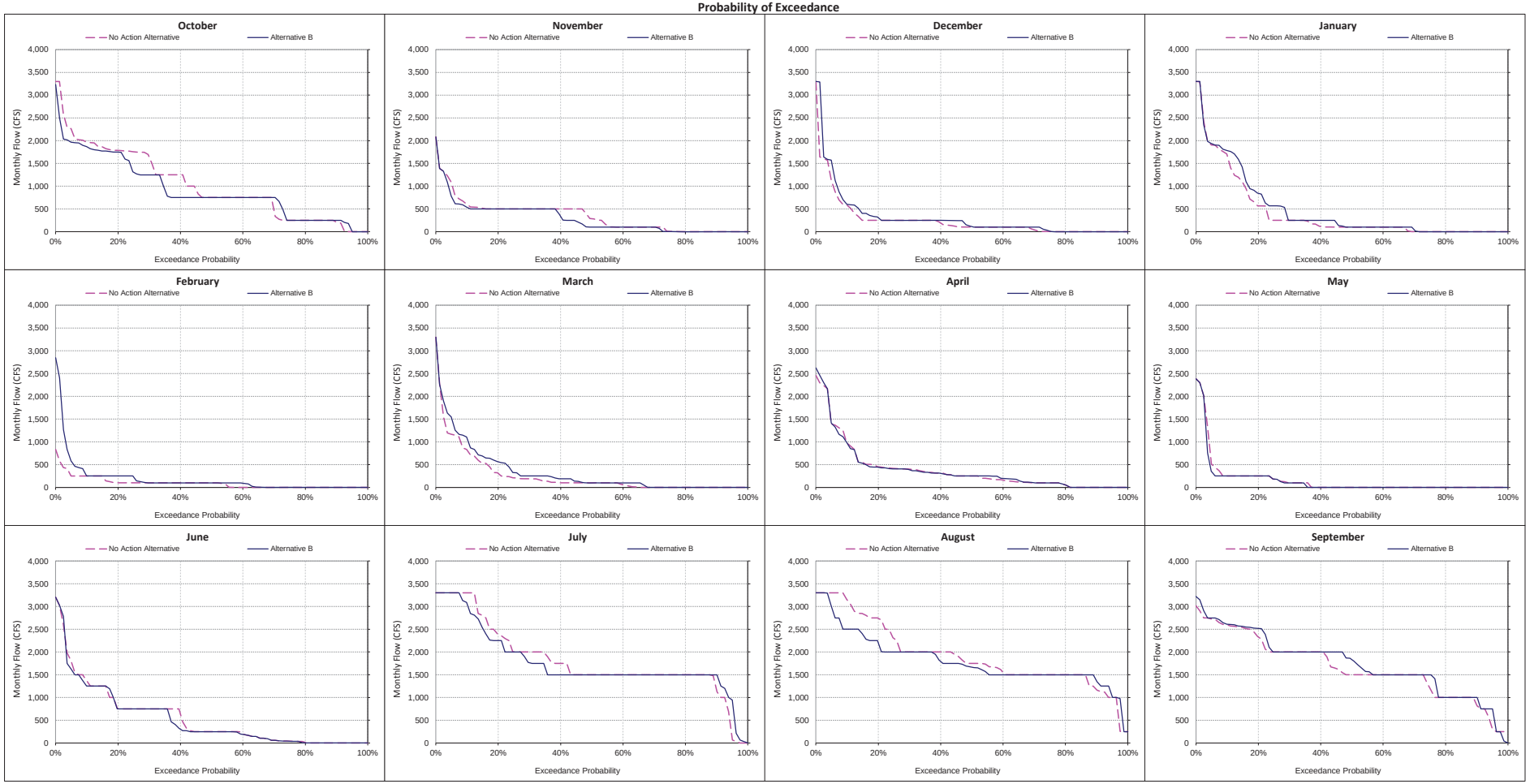

Table SW-05-5b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,236	-64	-1.9%
1.2%	3,300	2,500	-800	-24.2%
2.5%	2,591	2,032	-559	-21.6%
3.7%	2,286	2,019	-267	-11.7%
4.9%	2,264	1,969	-296	-13.1%
6.2%	2,044	1,956	-88	-4.3%
7.4%	2,019	1,950	-68	-3.4%
8.6%	2,010	1,897	-114	-5.7%
9.9%	1,969	1,870	-99	-5.0%
11.1%	1,956	1,825	-131	-6.7%
12.3%	1,950	1,803	-147	-7.6%
13.6%	1,870	1,787	-83	-4.4%
14.8%	1,869	1,772	-96	-5.2%
16.0%	1,825	1,770	-54	-3.0%
17.3%	1,803	1,758	-45	-2.5%
18.5%	1,787	1,749	-38	-2.1%
19.8%	1,787	1,747	-40	-2.2%
21.0%	1,781	1,744	-37	-2.1%
22.2%	1,772	1,596	-177	-10.0%
23.5%	1,770	1,560	-210	-11.9%
24.7%	1,758	1,316	-442	-25.1%
25.9%	1,749	1,272	-477	-27.3%
27.2%	1,747	1,250	-497	-28.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,000	-250	-20.0%
35.8%	1,250	777	-473	-37.9%
37.0%	1,250	750	-500	-40.0%
38.3%	1,250	750	-500	-40.0%
39.5%	1,250	750	-500	-40.0%
40.7%	1,250	750	-500	-40.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	750	0	0.0%
65.4%	750	750	0	0.0%
66.7%	750	750	0	0.0%
67.9%	750	750	0	0.0%
69.1%	750	750	0	0.0%
70.4%	334	750	416	124.7%
71.6%	272	665	393	144.3%
72.8%	250	481	231	92.5%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	202	250	48	24.0%
91.4%	190	250	60	31.5%
92.6%	0	202	202	
93.8%	0	182	182	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,086	-142	-11.5%
4.9%	1,086	782	-304	-28.0%
6.2%	793	616	-177	-22.3%
7.4%	723	606	-117	-16.1%
8.6%	674	590	-84	-12.5%
9.9%	606	539	-67	-11.1%
11.1%	543	500	-43	-7.9%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	500	0	0.0%
37.0%	500	500	0	0.0%
38.3%	500	499	-1	-0.2%
39.5%	500	391	-109	-21.8%
40.7%	500	254	-246	-49.3%
42.0%	500	250	-250	-50.0%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	207	-293	-58.6%
46.9%	499	171	-328	-65.8%
48.1%	398	106	-293	-73.5%
49.4%	290	100	-190	-65.5%
50.6%	279	100	-179	-64.2%
51.9%	254	100	-154	-60.6%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	-6	-5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	70	-30	-29.9%
72.8%	100	5	-95	-95.4%
74.1%	10	1	-9	
75.3%	5	0	-5	
76.5%	5	0	-5	
77.8%	1	0	-1	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,590	19	1.2%
4.9%	1,127	1,571	444	39.4%
6.2%	877	1,127	250	28.5%
7.4%	697	877	180	25.9%
8.6%	601	708	107	17.8%
9.9%	588	601	12	2.1%
11.1%	514	588	75	14.5%
12.3%	404	583	179	44.4%
13.6%	336	514	178	52.9%
14.8%	250	404	154	61.5%
16.0%	250	401	151	60.5%
17.3%	250	357	107	42.8%
18.5%	250	336	86	34.5%
19.8%	250	323	73	29.3%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	250	0	0.0%
38.3%	250	250	0	0.0%
39.5%	213	250	37	17.3%
40.7%	157	250	93	59.4%
42.0%	146	250	104	71.0%
43.2%	135	250	115	84.9%
44.4%	121	250	129	106.5%
45.7%	103	243	140	136.5%
46.9%	103	241	138	134.6%
48.1%	102	152	50	48.7%
49.4%	102	121	19	18.4%
50.6%	101	103	2	1.6%
51.9%	100	103	3	2.6%
53.1%	100	102	2	2.2%
54.3%	100	102	2	2.2%
55.6%	100	101	1	1.1%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	34	100	66	193.6%
71.6%	6	100	94	
72.8%	3	55	52	
74.1%	2	34	32	
75.3%	2	0	-2	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,300	5	0.1%
2.5%	2,429	2,349	-80	-3.3%
3.7%	1,985	1,985	0	0.0%
4.9%	1,904	1,936	32	1.7%
6.2%	1,898	1,904	6	0.3%
7.4%	1,814	1,898	85	4.7%
8.6%	1,761	1,814	52	3.0%
9.9%	1,708	1,785	77	4.5%
11.1%	1,398	1,761	363	26.0%
12.3%	1,239	1,708	469	37.9%
13.6%	1,196	1,594	398	33.3%
14.8%	1,100	1,426	326	29.6%
16.0%	945	1,100	155	16.4%
17.3%	717	945	228	31.8%
18.5%	658	911	253	38.4%
19.8%	566	849	283	49.9%
21.0%	566	825	258	45.7%
22.2%	565	632	67	11.9%
23.5%	250	566	316	126.5%
24.7%	250	566	316	126.4%
25.9%	250	566	316	126.3%
27.2%	250	565	315	126.0%
28.4%	250	536	286	114.6%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	137	37	36.9%
46.9%	100	123	23	23.1%
48.1%	100	103	3	2.8%
49.4%	100	103	3	2.6%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	15	100	85	
69.1%	0	100	100	
70.4%	0	15	15	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-5b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	2,850	2,016	241.8%
1.2%	584	2,401	1,817	311.1%
2.5%	436	1,270	834	191.5%
3.7%	412	836	424	103.1%
4.9%	250	584	334	133.6%
6.2%	250	465	215	85.8%
7.4%	250	436	186	74.2%
8.6%	250	412	162	64.7%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	250	150	150.0%
25.9%	100	144	44	43.7%
27.2%	100	126	26	26.1%
28.4%	100	107	7	7.1%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	100	100	
58.0%	0	100	100	
59.3%	0	100	100	
60.5%	0	87	87	
61.7%	0	74	74	
63.0%	0	25	25	
64.2%	0	4	4	
65.4%	0	3	3	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,264	0	0.0%
2.5%	1,548	1,901	352	22.7%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,258	111	9.7%
7.4%	1,110	1,166	56	5.1%
8.6%	867	1,147	280	32.4%
9.9%	834	1,110	276	33.1%
11.1%	712	867	155	21.8%
12.3%	688	834	145	21.1%
13.6%	597	712	115	19.2%
14.8%	529	688	160	30.2%
16.0%	527	645	119	22.6%
17.3%	451	637	186	41.2%
18.5%	325	597	272	83.7%
19.8%	321	566	244	76.0%
21.0%	250	542	292	116.8%
22.2%	238	529	290	122.0%
23.5%	237	451	214	90.1%
24.7%	210	325	115	54.8%
25.9%	206	321	116	56.3%
27.2%	191	250	59	30.8%
28.4%	189	250	61	32.0%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.8%
37.0%	112	237	126	112.6%
38.3%	111	206	95	85.8%
39.5%	100	189	89	89.4%
40.7%	100	189	89	89.2%
42.0%	100	187	87	87.5%
43.2%	100	187	87	87.1%
44.4%	100	135	35	35.4%
45.7%	100	135	35	34.5%
46.9%	100	112	12	11.6%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	10	100	90	
65.4%	0	100	100	
66.7%	0	49	49	
67.9%	0	2	2	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,415	25	1.8%
6.2%	1,367	1,325	-42	-3.1%
7.4%	1,308	1,165	-143	-10.9%
8.6%	1,258	1,114	-144	-11.4%
9.9%	979	979	0	0.0%
11.1%	906	852	-54	-6.0%
12.3%	832	827	-6	-0.7%
13.6%	556	555	-2	-0.3%
14.8%	555	530	-25	-4.4%
16.0%	505	499	-6	-1.2%
17.3%	505	453	-52	-10.3%
18.5%	499	444	-54	-10.9%
19.8%	453	443	-10	-2.2%
21.0%	444	428	-16	-3.6%
22.2%	428	426	-3	-0.6%
23.5%	426	413	-13	-3.0%
24.7%	418	408	-10	-2.4%
25.9%	413	403	-10	-2.3%
27.2%	408	403	-4	-1.0%
28.4%	403	403	0	-0.1%
29.6%	403	393	-10	-2.5%
30.9%	393	365	-28	-7.1%
32.1%	390	363	-26	-6.8%
33.3%	365	350	-15	-4.1%
34.6%	350	331	-19	-5.5%
35.8%	331	329	-1	-0.4%
37.0%	329	314	-15	-4.7%
38.3%	314	313	-1	-0.3%
39.5%	313	312	-1	-0.3%
40.7%	312	297	-15	-4.8%
42.0%	281	281	0	0.0%
43.2%	277	277	0	0.0%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	201	250	49	24.5%
54.3%	200	250	50	25.1%
55.6%	189	250	61	32.6%
56.8%	177	247	71	40.0%
58.0%	170	247	78	45.7%
59.3%	170	201	31	18.3%
60.5%	152	195	43	28.6%
61.7%	139	189	50	35.9%
63.0%	133	181	48	35.8%
64.2%	122	177	55	45.4%
65.4%	115	139	24	20.9%
66.7%	112	115	3	2.3%
67.9%	110	112	2	2.0%
69.1%	100	110	10	9.9%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	79	77	-2	-2.7%
80.2%	47	47	0	0.0%
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	754	-578	-43.4%
4.9%	513	353	-160	-31.2%
6.2%	437	250	-187	-42.8%
7.4%	366	250	-116	-31.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	181	0	0.0%
25.9%	177	177	0	0.0%
27.2%	133	123	-10	-7.5%
28.4%	123	100	-23	-19.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	0	-100	-100.0%
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-5b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,023	0	0.0%
2.5%	2,612	2,780	169	6.5%
3.7%	1,978	1,750	-228	-11.5%
4.9%	1,806	1,631	-175	-9.7%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,374	-126	-8.4%
9.9%	1,374	1,250	-124	-9.0%
11.1%	1,250	1,250	0	0.0%
12.3%	1,250	1,250	0	0.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,192	192	19.2%
18.5%	1,000	1,000	0	0.0%
19.8%	758	750	-8	-1.0%
21.0%	750	750	0	0.0%
22.2%	750	750	0	0.0%
23.5%	750	750	0	0.0%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	464	-286	-38.2%
38.3%	750	405	-345	-46.0%
39.5%	750	321	-429	-57.2%
40.7%	464	270	-193	-41.7%
42.0%	321	270	-51	-16.0%
43.2%	270	250	-20	-7.2%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	245	-5	-2.2%
59.3%	245	198	-47	-19.1%
60.5%	182	182	0	0.0%
61.7%	167	167	0	0.0%
63.0%	147	147	0	0.0%
64.2%	143	143	0	0.0%
65.4%	107	107	0	0.0%
66.7%	106	106	0	0.0%
67.9%	93	93	0	0.0%
69.1%	59	59	0	0.0%
70.4%	57	57	0	0.0%
71.6%	47	47	0	0.0%
72.8%	43	43	0	0.0%
74.1%	42	41	-1	-1.7%
75.3%	41	38	-3	-7.6%
76.5%	36	36	0	0.0%
77.8%	35	35	0	0.0%
79.0%	34	8	-26	-75.4%
80.2%	8	0	-8	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,132	-168	-5.1%
9.9%	3,300	3,088	-212	-6.4%
11.1%	3,300	2,846	-454	-13.8%
12.3%	3,300	2,808	-492	-14.9%
13.6%	2,846	2,724	-122	-4.3%
14.8%	2,808	2,543	-265	-9.4%
16.0%	2,750	2,400	-350	-12.7%
17.3%	2,500	2,262	-238	-9.5%
18.5%	2,500	2,250	-250	-10.0%
19.8%	2,400	2,250	-150	-6.2%
21.0%	2,359	2,250	-109	-4.6%
22.2%	2,296	2,000	-296	-12.9%
23.5%	2,250	2,000	-250	-11.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	1,896	-104	-5.2%
29.6%	2,000	1,770	-230	-11.5%
30.9%	2,000	1,750	-250	-12.5%
32.1%	2,000	1,750	-250	-12.5%
33.3%	2,000	1,750	-250	-12.5%
34.6%	2,000	1,750	-250	-12.5%
35.8%	1,896	1,500	-396	-20.9%
37.0%	1,770	1,500	-270	-15.2%
38.3%	1,750	1,500	-250	-14.3%
39.5%	1,750	1,500	-250	-14.3%
40.7%	1,750	1,500	-250	-14.3%
42.0%	1,750	1,500	-250	-14.3%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,250	250	25.0%
92.6%	1,000	1,201	201	20.1%
93.8%	692	1,000	308	44.5%
95.1%	66	943	878	
96.3%	29	215	186	
97.5%	0	66	66	
98.8%	0	29	29	
100.0%	0	0	0	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,298	-2	-0.1%
4.9%	3,300	3,012	-288	-8.7%
6.2%	3,300	2,750	-550	-16.7%
7.4%	3,300	2,750	-550	-16.7%
8.6%	3,300	2,500	-800	-24.2%
9.9%	3,157	2,500	-657	-20.8%
11.1%	3,047	2,500	-547	-18.0%
12.3%	2,894	2,500	-394	-13.6%
13.6%	2,851	2,500	-351	-12.3%
14.8%	2,848	2,407	-440	-15.5%
16.0%	2,806	2,279	-527	-18.8%
17.3%	2,750	2,250	-500	-18.2%
18.5%	2,750	2,250	-500	-18.2%
19.8%	2,750	2,250	-500	-18.2%
21.0%	2,702	2,008	-694	-25.7%
22.2%	2,500	2,000	-500	-20.0%
23.5%	2,500	2,000	-500	-20.0%
24.7%	2,315	2,000	-315	-13.6%
25.9%	2,250	2,000	-250	-11.1%
27.2%	2,008	2,000	-8	-0.4%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	1,949	-51	-2.5%
39.5%	2,000	1,821	-179	-9.0%
40.7%	2,000	1,752	-248	-12.4%
42.0%	2,000	1,750	-250	-12.5%
43.2%	2,000	1,750	-250	-12.5%
44.4%	1,949	1,750	-199	-10.2%
45.7%	1,901	1,750	-151	-8.0%
46.9%	1,821	1,734	-86	-4.7%
48.1%	1,752	1,692	-60	-3.4%
49.4%	1,750	1,676	-74	-4.2%
50.6%	1,750	1,656	-94	-5.4%
51.9%	1,750	1,654	-96	-5.5%
53.1%	1,750	1,613	-137	-7.8%
54.3%	1,734	1,573	-162	-9.3%
55.6%	1,676	1,500	-176	-10.5%
56.8%	1,673	1,500	-173	-10.3%
58.0%	1,656	1,500	-156	-9.4%
59.3%	1,613	1,500	-113	-7.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,500	250	20.0%
90.1%	1,161	1,347	186	16.0%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,250	132	11.9%
93.8%	1,000	1,250	250	25.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	978	725	285.3%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,223	207	6.9%
1.2%	2,907	3,146	238	8.2%
2.5%	2,750	2,907	157	5.7%
3.7%	2,750	2,750	0	0.0%
4.9%	2,725	2,750	25	0.9%
6.2%	2,715	2,750	35	1.3%
7.4%	2,647	2,715	68	2.6%
8.6%	2,606	2,647	41	1.6%
9.9%	2,599	2,611	12	0.5%
11.1%	2,570	2,606	36	1.4%
12.3%	2,566	2,599	33	1.3%
13.6%	2,550	2,570	20	0.8%
14.8%	2,541	2,566	25	1.0%
16.0%	2,514	2,550	37	1.5%
17.3%	2,500	2,541	41	1.6%
18.5%	2,445	2,524	79	3.2%
19.8%	2,342	2,520	177	7.6%
21.0%	2,281	2,514	233	10.2%
22.2%	2,061	2,388	327	15.8%
23.5%	2,000	2,103	103	5.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	1,895	2,000	105	5.5%
43.2%	1,673	2,000	327	19.5%
44.4%	1,649	2,000	351	21.3%
45.7%	1,619	2,000	381	23.5%
46.9%	1,548	2,000	452	29.2%
48.1%	1,500	1,870	370	24.7%
49.4%	1,500	1,864	364	24.3%
50.6%	1,500	1,803	303	20.2%
51.9%	1,500	1,720	220	14.7%
53.1%	1,500	1,649	149	9.9%
54.3%	1,500	1,573	73	4.9%
55.6%	1,500	1,569	69	4.6%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,320	1,500	180	13.6%
75.3%	1,163	1,500	337	29.0%
76.5%	1,000	1,411	411	41.1%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	816	1,000	184	22.6%
91.4%	750	750	0	0.0%
92.6%	750	750	0	0.0%
93.8%	570	750	180	31.5%
95.1%	301	750	449	149.2%
96.3%	250	250	0	0.0%
97.5%	250	250	0	0.0%
98.8%	250	42	-208	-83.2%
100.0%	250	0	-250	-100.0%

Table SW-06-5a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative B	187	187	189	197	197	191	191	265	181	107	85	148
Difference	2	0	0	0	0	-1	0	0	0	22	-1	0
Percent Difference[3]	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	26.3%	-1.6%	0.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative B	200	200	200	220	220	200	200	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative B	200	200	200	192	196	196	196	277	200	176	85	150
Difference	0	0	0	0	0	-9	0	0	0	91	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%	107.2%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative B	193	193	193	189	189	189	189	269	186	132	85	150
Difference	0	0	0	0	0	0	0	0	0	47	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	55.2%	0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative B	181	182	182	192	192	192	192	264	180	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative B	146	149	163	168	168	168	168	224	120	92	85	133
Difference	12	0	0	0	0	0	0	0	0	7	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	-9.9%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

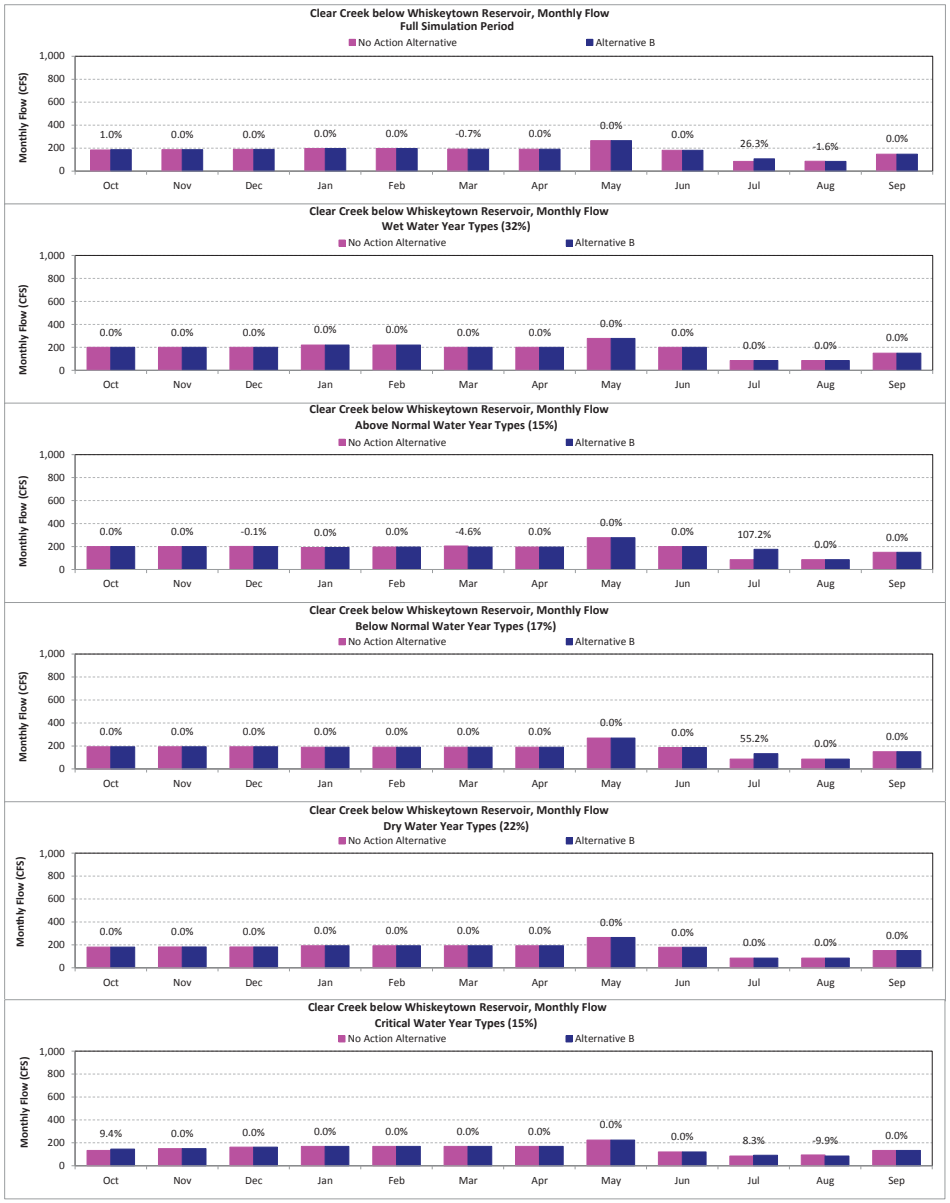

Figure SW-06-5b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

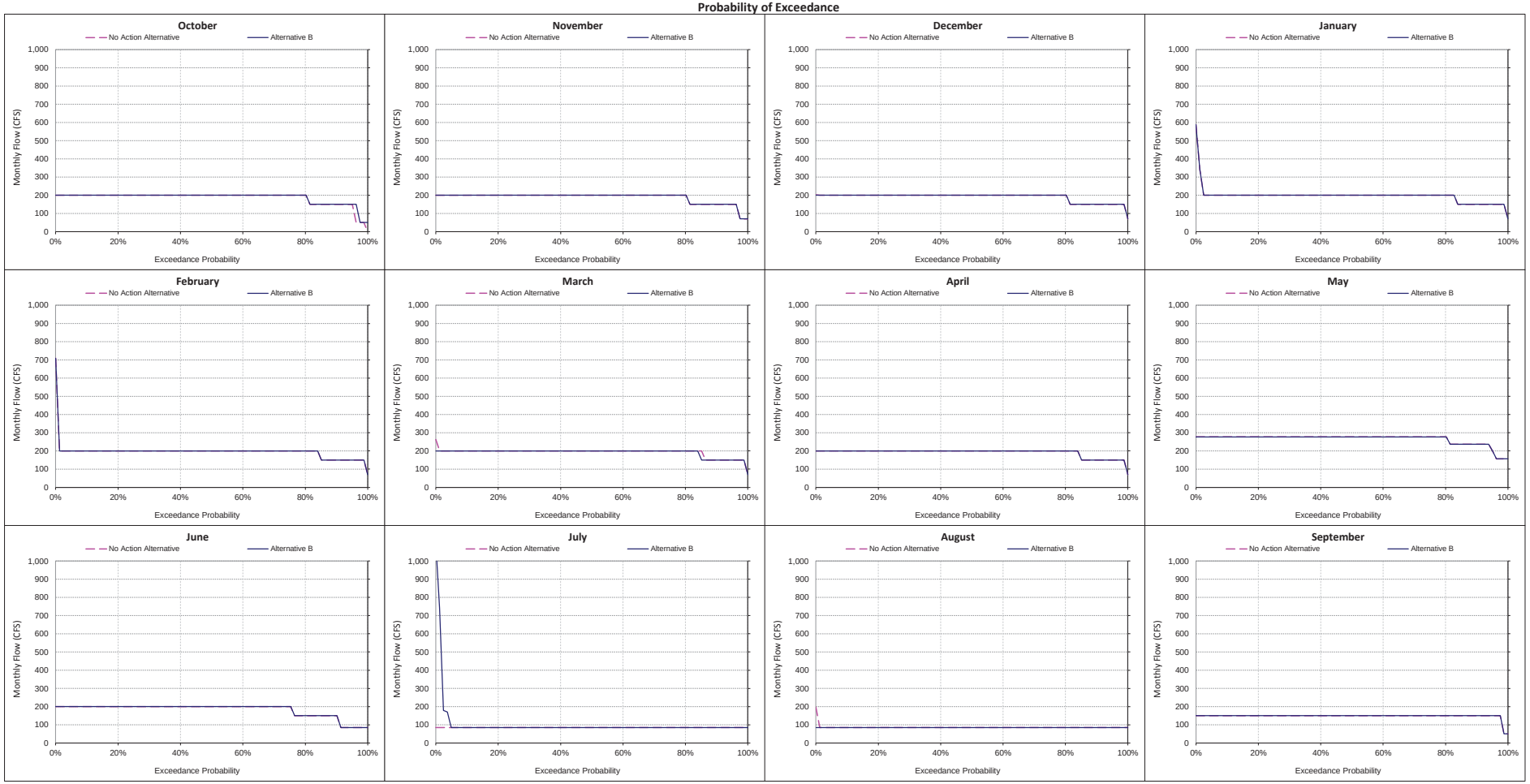

Table SW-06-5b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	0	50	50	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	70	70	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	203	200	-3	-1.4%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	588	588	0	0.0%
1.2%	344	344	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

Table SW-06-5b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	710	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-5b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	1,085	1,000	
1.2%	85	742	657	773.4%
2.5%	85	179	94	110.1%
3.7%	85	170	85	99.6%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	197	85	-112	-56.8%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Table SW-07-5a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative B	2,656	2,629	2,752	3,005	3,255	3,629	3,958	4,013	3,728	3,244	2,911	2,736
Difference	98	82	40	22	-6	14	45	70	94	96	98	106
Percent Difference[3]	3.8%	3.2%	1.5%	0.7%	-0.2%	0.4%	1.2%	1.8%	2.6%	3.1%	3.5%	4.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative B	3,076	2,974	3,081	3,423	3,623	3,857	4,325	4,482	4,289	3,873	3,538	3,179
Difference	24	30	-17	6	-18	-3	9	10	1	6	20	43
Percent Difference	0.8%	1.0%	-0.5%	0.2%	-0.5%	-0.1%	0.2%	0.2%	0.0%	0.2%	0.6%	1.4%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative B	3,026	2,936	3,039	3,118	3,369	3,947	4,403	4,479	4,155	3,578	3,249	3,114
Difference	74	51	-19	-6	-38	-8	2	2	37	34	49	78
Percent Difference	2.5%	1.8%	-0.6%	-0.2%	-1.1%	-0.2%	0.0%	0.0%	0.9%	1.0%	1.5%	2.6%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative B	2,907	2,948	2,985	2,929	3,259	3,680	4,077	4,144	3,853	3,344	3,019	2,947
Difference	61	23	-25	-16	-44	-17	8	48	91	91	101	87
Percent Difference	2.1%	0.8%	-0.8%	-0.5%	-1.3%	-0.5%	0.2%	1.2%	2.4%	2.8%	3.5%	3.0%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative B	2,527	2,579	2,790	2,860	3,183	3,685	3,888	3,843	3,513	3,000	2,660	2,591
Difference	204	167	125	33	-6	20	78	118	174	170	174	178
Percent Difference	8.8%	6.9%	4.7%	1.2%	-0.2%	0.6%	2.0%	3.2%	5.2%	6.0%	7.0%	7.4%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative B	1,273	1,280	1,424	2,294	2,445	2,677	2,685	2,634	2,264	1,801	1,464	1,370
Difference	168	169	170	114	96	99	161	218	239	247	198	183
Percent Difference	15.2%	15.2%	13.6%	5.2%	4.1%	3.8%	6.4%	9.0%	11.8%	15.9%	15.6%	15.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

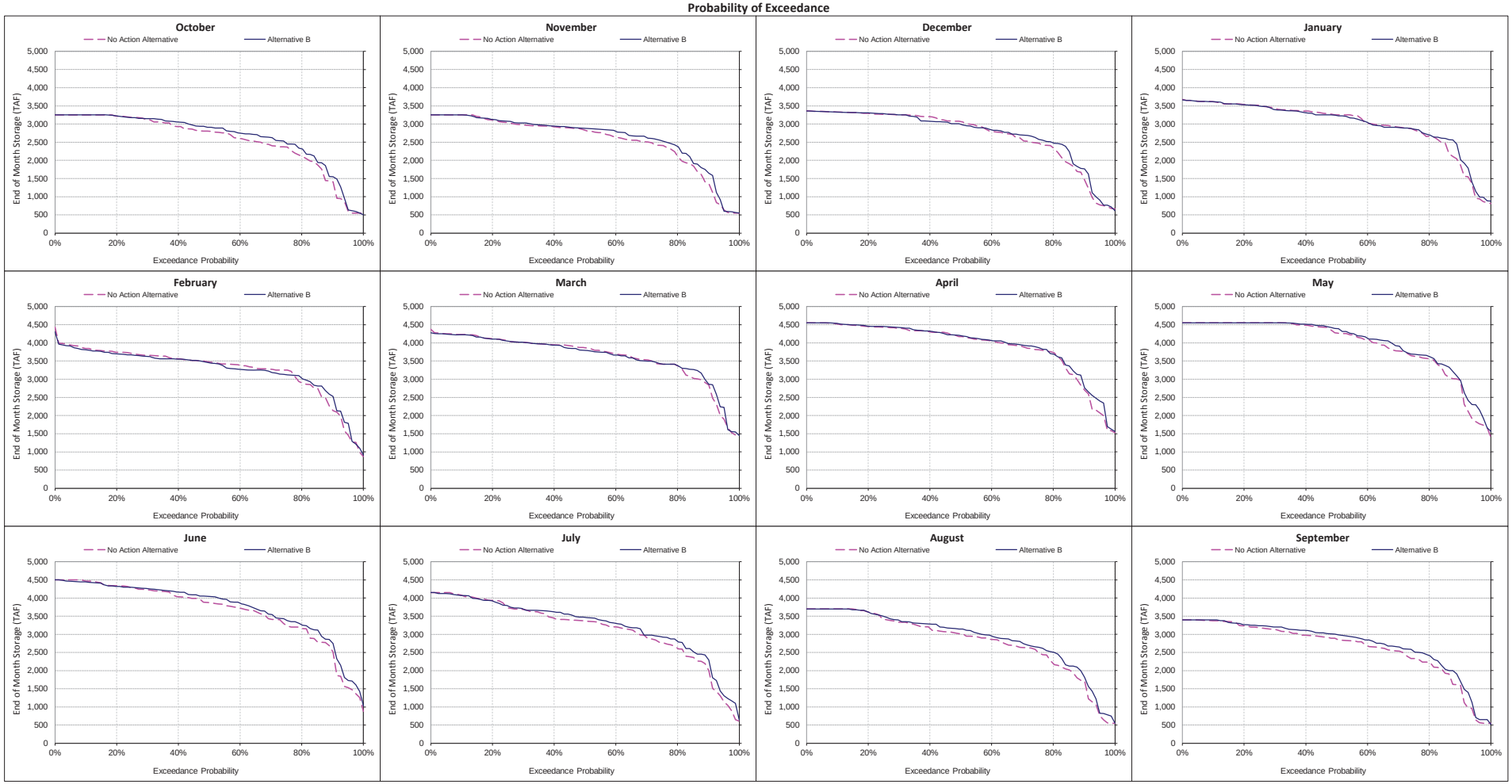

Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,250	0	0.0%
8.6%	3,250	3,250	0	0.0%
9.9%	3,250	3,250	0	0.0%
11.1%	3,250	3,250	0	0.0%
12.3%	3,250	3,250	0	0.0%
13.6%	3,250	3,250	0	0.0%
14.8%	3,250	3,250	0	0.0%
16.0%	3,250	3,250	0	0.0%
17.3%	3,250	3,249	-1	0.0%
18.5%	3,250	3,244	-6	-0.2%
19.8%	3,217	3,228	10	0.3%
21.0%	3,210	3,216	6	0.2%
22.2%	3,209	3,194	-15	-0.5%
23.5%	3,198	3,184	-15	-0.5%
24.7%	3,186	3,177	-9	-0.3%
25.9%	3,184	3,174	-9	-0.3%
27.2%	3,173	3,156	-16	-0.5%
28.4%	3,160	3,153	-8	-0.2%
29.6%	3,121	3,150	29	0.9%
30.9%	3,110	3,150	40	1.3%
32.1%	3,061	3,149	88	2.9%
33.3%	3,055	3,135	79	2.6%
34.6%	3,048	3,127	79	2.6%
35.8%	3,033	3,088	55	1.8%
37.0%	3,029	3,076	47	1.5%
38.3%	2,946	3,069	123	4.2%
39.5%	2,931	3,060	129	4.4%
40.7%	2,931	3,054	123	4.2%
42.0%	2,871	3,041	169	5.9%
43.2%	2,866	2,999	132	4.6%
44.4%	2,863	2,973	110	3.9%
45.7%	2,825	2,946	122	4.3%
46.9%	2,812	2,942	130	4.6%
48.1%	2,804	2,939	135	4.8%
49.4%	2,804	2,914	110	3.9%
50.6%	2,796	2,908	112	4.0%
51.9%	2,775	2,891	116	4.2%
53.1%	2,769	2,890	121	4.4%
54.3%	2,758	2,887	129	4.7%
55.6%	2,758	2,816	57	2.1%
56.8%	2,709	2,802	92	3.4%
58.0%	2,622	2,793	171	6.5%
59.3%	2,610	2,755	145	5.6%
60.5%	2,598	2,743	145	5.6%
61.7%	2,569	2,732	163	6.3%
63.0%	2,540	2,730	191	7.5%
64.2%	2,537	2,716	179	7.0%
65.4%	2,515	2,710	195	7.8%
66.7%	2,502	2,653	151	6.0%
67.9%	2,450	2,647	197	8.0%
69.1%	2,443	2,639	195	8.0%
70.4%	2,400	2,621	222	9.2%
71.6%	2,395	2,551	156	6.5%
72.8%	2,373	2,544	172	7.2%
74.1%	2,372	2,535	162	6.8%
75.3%	2,365	2,452	87	3.7%
76.5%	2,268	2,450	182	8.0%
77.8%	2,200	2,442	242	11.0%
79.0%	2,147	2,336	189	8.8%
80.2%	2,108	2,310	202	9.6%
81.5%	2,045	2,173	128	6.3%
82.7%	1,983	2,161	178	9.0%
84.0%	1,960	2,122	162	8.3%
85.2%	1,870	1,944	74	3.9%
86.4%	1,758	1,937	179	10.2%
87.7%	1,448	1,854	406	28.1%
88.9%	1,437	1,559	122	8.5%
90.1%	1,410	1,548	138	9.8%
91.4%	953	1,489	536	56.2%
92.6%	947	1,273	326	34.4%
93.8%	867	959	91	10.5%
95.1%	591	636	44	7.5%
96.3%	550	615	65	11.9%
97.5%	550	594	44	8.1%
98.8%	550	550	0	0.0%
100.0%	550	504	-46	-8.3%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,252	0	0.0%
11.1%	3,252	3,244	-8	-0.2%
12.3%	3,252	3,241	-11	-0.3%
13.6%	3,252	3,217	-35	-1.1%
14.8%	3,214	3,175	-39	-1.2%
16.0%	3,194	3,172	-22	-0.7%
17.3%	3,153	3,163	9	0.3%
18.5%	3,122	3,157	35	1.1%
19.8%	3,110	3,126	16	0.5%
21.0%	3,101	3,117	16	0.5%
22.2%	3,061	3,096	34	1.1%
23.5%	3,049	3,084	35	1.2%
24.7%	3,046	3,078	32	1.1%
25.9%	3,019	3,070	51	1.7%
27.2%	3,001	3,038	36	1.2%
28.4%	2,988	3,032	44	1.5%
29.6%	2,987	3,029	43	1.4%
30.9%	2,966	3,029	62	2.1%
32.1%	2,963	3,007	44	1.5%
33.3%	2,954	2,987	33	1.1%
34.6%	2,954	2,980	27	0.9%
35.8%	2,947	2,971	25	0.8%
37.0%	2,945	2,967	22	0.7%
38.3%	2,942	2,955	13	0.4%
39.5%	2,933	2,948	14	0.5%
40.7%	2,918	2,937	19	0.6%
42.0%	2,907	2,932	25	0.8%
43.2%	2,905	2,930	25	0.9%
44.4%	2,894	2,920	26	0.9%
45.7%	2,887	2,901	13	0.5%
46.9%	2,878	2,897	18	0.6%
48.1%	2,875	2,888	14	0.5%
49.4%	2,849	2,882	33	1.2%
50.6%	2,812	2,880	68	2.4%
51.9%	2,808	2,870	62	2.2%
53.1%	2,780	2,862	81	2.9%
54.3%	2,764	2,856	92	3.3%
55.6%	2,761	2,853	92	3.3%
56.8%	2,715	2,848	133	4.9%
58.0%	2,696	2,832	136	5.0%
59.3%	2,650	2,828	178	6.7%
60.5%	2,630	2,781	151	5.7%
61.7%	2,609	2,772	163	6.3%
63.0%	2,580	2,762	182	7.1%
64.2%	2,564	2,689	126	4.9%
65.4%	2,555	2,675	120	4.7%
66.7%	2,555	2,669	114	4.5%
67.9%	2,528	2,666	138	5.5%
69.1%	2,512	2,666	153	6.1%
70.4%	2,504	2,609	105	4.2%
71.6%	2,487	2,603	116	4.7%
72.8%	2,414	2,591	177	7.3%
74.1%	2,412	2,552	140	5.8%
75.3%	2,409	2,530	121	5.0%
76.5%	2,349	2,499	149	6.3%
77.8%	2,313	2,464	150	6.5%
79.0%	2,241	2,427	186	8.3%
80.2%	2,081	2,372	291	14.0%
81.5%	1,974	2,198	224	11.3%
82.7%	1,934	2,190	256	13.3%
84.0%	1,915	2,100	185	9.6%
85.2%	1,841	1,912	71	3.8%
86.4%	1,690	1,900	210	12.4%
87.7%	1,612	1,798	185	11.5%
88.9%	1,411	1,750	339	24.0%
90.1%	1,363	1,650	286	21.0%
91.4%	1,115	1,582	467	41.9%
92.6%	836	1,114	277	33.2%
93.8%	780	921	142	18.1%
95.1%	632	600	-32	-5.1%
96.3%	566	590	24	4.3%
97.5%	552	583	32	5.7%
98.8%	550	564	14	2.6%
100.0%	550	550	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,367	3,360	-7	-0.2%
1.2%	3,360	3,360	0	0.0%
2.5%	3,350	3,349	-1	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,349	3,346	-3	-0.1%
6.2%	3,346	3,338	-8	-0.2%
7.4%	3,338	3,338	0	0.0%
8.6%	3,335	3,335	0	0.0%
9.9%	3,330	3,328	-2	-0.1%
11.1%	3,328	3,322	-6	-0.2%
12.3%	3,322	3,322	0	0.0%
13.6%	3,319	3,319	0	0.0%
14.8%	3,317	3,317	0	0.0%
16.0%	3,316	3,316	0	0.0%
17.3%	3,310	3,310	0	0.0%
18.5%	3,297	3,310	13	0.4%
19.8%	3,293	3,306	13	0.4%
21.0%	3,285	3,302	17	0.5%
22.2%	3,276	3,293	17	0.5%
23.5%	3,274	3,291	17	0.5%
24.7%	3,267	3,285	18	0.5%
25.9%	3,267	3,276	9	0.3%
27.2%	3,265	3,267	2	0.1%
28.4%	3,262	3,265	3	0.1%
29.6%	3,252	3,252	0	0.0%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,252	0	0.0%
33.3%	3,249	3,220	-29	-0.9%
34.6%	3,243	3,212	-31	-0.9%
35.8%	3,231	3,191	-40	-1.2%
37.0%	3,214	3,082	-132	-4.1%
38.3%	3,207	3,082	-124	-3.9%
39.5%	3,204	3,078	-127	-3.9%
40.7%	3,194	3,071	-123	-3.9%
42.0%	3,168	3,066	-102	-3.2%
43.2%	3,123	3,064	-59	-1.9%
44.4%	3,114	3,059	-55	-1.8%
45.7%	3,087	3,051	-36	-1.2%
46.9%	3,084	3,009	-75	-2.4%
48.1%	3,080	3,007	-73	-2.4%
49.4%	3,078	3,006	-71	-2.3%
50.6%	3,056	2,973	-83	-2.7%
51.9%	3,005	2,953	-52	-1.7%
53.1%	2,991	2,947	-44	-1.5%
54.3%	2,979	2,908	-71	-2.4%
55.6%	2,940	2,899	-40	-1.4%
56.8%	2,921	2,897	-24	-0.8%
58.0%	2,864	2,888	24	0.8%
59.3%	2,804	2,853	49	1.7%
60.5%	2,792	2,828	36	1.3%
61.7%	2,775	2,826	51	1.8%
63.0%	2,771	2,810	40	1.4%
64.2%	2,739	2,775	35	1.3%
65.4%	2,728	2,769	40	1.5%
66.7%	2,712	2,724	12	0.5%
67.9%	2,625	2,722	97	3.7%
69.1%	2,618	2,702	83	3.2%
70.4%	2,535	2,695	160	6.3%
71.6%	2,528	2,687	159	6.3%
72.8%	2,496	2,664	168	6.7%
74.1%	2,485	2,635	149	6.0%
75.3%	2,469	2,579	110	4.4%
76.5%	2,413	2,557	145	6.0%
77.8%	2,412	2,518	107	4.4%
79.0%	2,410	2,511	101	4.2%
80.2%	2,327	2,472	145	6.2%
81.5%	2,210	2,462	252	11.4%
82.7%	2,071	2,445	373	18.0%
84.0%	1,963	2,385	421	21.5%
85.2%	1,907	2,238	331	17.4%
86.4%	1,834	1,905	71	3.9%
87.7%	1,695	1,835	140	8.3%
88.9%	1,675	1,782	107	6.4%
90.1%	1,458	1,765	308	21.1%
91.4%	1,231	1,628	397	32.3%
92.6%	980	1,111	131	13.4%
93.8%	826	1,000	174	21.1%
95.1%	777	911	133	17.2%
96.3%	750	771	20	2.7%
97.5%	728	767	39	5.3%
98.8%	680	717	37	5.4%
100.0%	667	614	-53	-7.9%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,678	3,668	-10	-0.3%
1.2%	3,650	3,650	0	0.0%
2.5%	3,648	3,648	0	0.0%
3.7%	3,640	3,640	0	0.0%
4.9%	3,633	3,624	-9	-0.2%
6.2%	3,624	3,622	-2	-0.1%
7.4%	3,624	3,621	-3	-0.1%
8.6%	3,622	3,616	-6	-0.2%
9.9%	3,616	3,615	-2	0.0%
11.1%	3,604	3,607	3	0.1%
12.3%	3,571	3,604	33	0.9%
13.6%	3,554	3,563	9	0.2%
14.8%	3,552	3,552	0	0.0%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,551	0	0.0%
18.5%	3,550	3,541	-9	-0.2%
19.8%	3,541	3,531	-10	-0.3%
21.0%	3,531	3,528	-3	-0.1%
22.2%	3,528	3,515	-13	-0.4%
23.5%	3,515	3,515	0	0.0%
24.7%	3,515	3,497	-18	-0.5%
25.9%	3,489	3,482	-8	-0.2%
27.2%	3,475	3,482	7	0.2%
28.4%	3,461	3,447	-15	-0.4%
29.6%	3,445	3,400	-45	-1.3%
30.9%	3,404	3,389	-15	-0.4%
32.1%	3,391	3,387	-4	-0.1%
33.3%	3,389	3,371	-18	-0.5%
34.6%	3,382	3,368	-14	-0.4%
35.8%	3,371	3,366	-5	-0.1%
37.0%	3,368	3,358	-10	-0.3%
38.3%	3,366	3,339	-28	-0.8%
39.5%	3,358	3,317	-41	-1.2%
40.7%	3,358	3,299	-59	-1.8%
42.0%	3,339	3,297	-42	-1.3%
43.2%	3,326	3,252	-74	-2.2%
44.4%	3,317	3,252	-65	-2.0%
45.7%	3,296	3,252	-44	-1.3%
46.9%	3,286	3,252	-34	-1.0%
48.1%	3,275	3,252	-23	-0.7%
49.4%	3,252	3,247	-6	-0.2%
50.6%	3,252	3,225	-28	-0.8%
51.9%	3,252	3,223	-29	-0.9%
53.1%	3,252	3,208	-44	-1.3%
54.3%	3,252	3,168	-84	-2.6%
55.6%	3,228	3,164	-64	-2.0%
56.8%	3,224	3,133	-91	-2.8%
58.0%	3,148	3,097	-52	-1.6%
59.3%	3,019	3,071	52	1.7%
60.5%	3,017	3,026	9	0.3%
61.7%	2,998	2,976	-23	-0.8%
63.0%	2,980	2,957	-23	-0.8%
64.2%	2,976	2,952	-24	-0.8%
65.4%	2,966	2,914	-52	-1.8%
66.7%	2,960	2,914	-46	-1.6%
67.9%	2,938	2,913	-25	-0.8%
69.1%	2,924	2,909	-14	-0.5%
70.4%	2,913	2,901	-11	-0.4%
71.6%	2,894	2,891	-2	-0.1%
72.8%	2,890	2,889	0	0.0%
74.1%	2,877	2,877	0	0.0%
75.3%	2,836	2,853	17	0.6%
76.5%	2,789	2,843	54	1.9%
77.8%	2,749	2,759	10	0.4%
79.0%	2,662	2,722	60	2.3%
80.2%	2,656	2,695	39	1.5%
81.5%	2,645	2,638	-7	-0.3%
82.7%	2,576	2,638	61	2.4%
84.0%	2,491	2,609	118	4.7%
85.2%	2,475	2,600	126	5.1%
86.4%	2,185	2,567	381	17.5%
87.7%	2,108	2,562	453	21.5%
88.9%	2,046	2,447	401	19.6%
90.1%	1,878	2,020	142	7.6%
91.4%	1,564	1,921	358	22.9%
92.6%	1,550	1,785	234	15.1%
93.8%	1,369	1,407	37	2.7%
95.1%	953	1,146	193	20.2%
96.3%	939	989	50	5.4%
97.5%	868	984	116	13.3%
98.8%	835	886	52	6.2%
100.0%	813	877	65	8.0%

Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,310	-123	-2.8%
1.2%	3,994	3,966	-29	-0.7%
2.5%	3,986	3,944	-42	-1.0%
3.7%	3,965	3,920	-45	-1.1%
4.9%	3,944	3,914	-30	-0.8%
6.2%	3,920	3,869	-51	-1.3%
7.4%	3,914	3,848	-66	-1.7%
8.6%	3,877	3,820	-57	-1.5%
9.9%	3,848	3,813	-35	-0.9%
11.1%	3,848	3,794	-54	-1.4%
12.3%	3,805	3,778	-28	-0.7%
13.6%	3,794	3,777	-17	-0.4%
14.8%	3,787	3,772	-15	-0.4%
16.0%	3,777	3,743	-35	-0.9%
17.3%	3,777	3,739	-38	-1.0%
18.5%	3,772	3,710	-62	-1.6%
19.8%	3,743	3,700	-43	-1.1%
21.0%	3,739	3,694	-45	-1.2%
22.2%	3,737	3,685	-52	-1.4%
23.5%	3,734	3,675	-59	-1.6%
24.7%	3,713	3,668	-45	-1.2%
25.9%	3,694	3,661	-33	-0.9%
27.2%	3,675	3,654	-21	-0.6%
28.4%	3,661	3,636	-25	-0.7%
29.6%	3,654	3,629	-25	-0.7%
30.9%	3,654	3,626	-28	-0.8%
32.1%	3,647	3,579	-68	-1.9%
33.3%	3,642	3,570	-73	-2.0%
34.6%	3,636	3,567	-69	-1.9%
35.8%	3,636	3,561	-75	-2.1%
37.0%	3,597	3,560	-37	-1.0%
38.3%	3,570	3,557	-13	-0.4%
39.5%	3,567	3,557	-10	-0.3%
40.7%	3,560	3,552	-8	-0.2%
42.0%	3,536	3,548	12	0.3%
43.2%	3,530	3,530	0	0.0%
44.4%	3,516	3,521	5	0.1%
45.7%	3,515	3,516	1	0.0%
46.9%	3,503	3,503	0	0.0%
48.1%	3,501	3,480	-21	-0.6%
49.4%	3,480	3,462	-18	-0.5%
50.6%	3,470	3,443	-26	-0.8%
51.9%	3,462	3,431	-31	-0.9%
53.1%	3,431	3,423	-8	-0.2%
54.3%	3,423	3,381	-42	-1.2%
55.6%	3,420	3,307	-114	-3.3%
56.8%	3,410	3,292	-118	-3.5%
58.0%	3,402	3,288	-114	-3.4%
59.3%	3,397	3,282	-115	-3.4%
60.5%	3,373	3,266	-107	-3.2%
61.7%	3,370	3,252	-118	-3.5%
63.0%	3,341	3,252	-89	-2.7%
64.2%	3,327	3,252	-75	-2.3%
65.4%	3,292	3,252	-40	-1.2%
66.7%	3,288	3,250	-38	-1.2%
67.9%	3,288	3,247	-41	-1.3%
69.1%	3,282	3,224	-57	-1.7%
70.4%	3,272	3,182	-90	-2.8%
71.6%	3,252	3,172	-81	-2.5%
72.8%	3,252	3,142	-110	-3.4%
74.1%	3,252	3,135	-117	-3.6%
75.3%	3,252	3,123	-129	-4.0%
76.5%	3,217	3,117	-101	-3.1%
77.8%	3,073	3,106	33	1.1%
79.0%	2,937	3,101	164	5.6%
80.2%	2,890	3,006	116	4.0%
81.5%	2,859	2,975	116	4.1%
82.7%	2,855	2,930	75	2.6%
84.0%	2,753	2,836	83	3.0%
85.2%	2,746	2,812	66	2.4%
86.4%	2,510	2,811	302	12.0%
87.7%	2,492	2,688	196	7.9%
88.9%	2,265	2,592	327	14.5%
90.1%	2,134	2,526	392	18.4%
91.4%	2,094	2,131	37	1.8%
92.6%	1,981	2,123	142	7.2%
93.8%	1,580	1,814	234	14.8%
95.1%	1,457	1,789	333	22.8%
96.3%	1,268	1,293	25	1.9%
97.5%	1,265	1,215	-50	-3.9%
98.8%	992	1,100	108	10.9%
100.0%	872	914	43	4.9%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,375	4,280	-95	-2.2%
1.2%	4,280	4,258	-22	-0.5%
2.5%	4,273	4,253	-20	-0.5%
3.7%	4,256	4,249	-7	-0.2%
4.9%	4,253	4,246	-7	-0.2%
6.2%	4,249	4,229	-20	-0.5%
7.4%	4,246	4,226	-20	-0.5%
8.6%	4,229	4,226	-3	-0.1%
9.9%	4,226	4,222	-4	-0.1%
11.1%	4,226	4,221	-5	-0.1%
12.3%	4,222	4,220	-2	-0.1%
13.6%	4,221	4,199	-22	-0.5%
14.8%	4,199	4,162	-37	-0.9%
16.0%	4,162	4,159	-3	-0.1%
17.3%	4,129	4,129	0	0.0%
18.5%	4,124	4,118	-6	-0.1%
19.8%	4,118	4,106	-12	-0.3%
21.0%	4,106	4,105	-1	0.0%
22.2%	4,105	4,096	-9	-0.2%
23.5%	4,086	4,071	-15	-0.4%
24.7%	4,071	4,058	-13	-0.3%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,021	4,021	0	0.0%
30.9%	4,010	4,010	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	3,980	3,980	0	0.0%
34.6%	3,976	3,976	0	0.0%
35.8%	3,970	3,970	0	0.0%
37.0%	3,965	3,965	0	0.0%
38.3%	3,956	3,953	-3	-0.1%
39.5%	3,953	3,940	-13	-0.3%
40.7%	3,943	3,940	-3	-0.1%
42.0%	3,940	3,929	-11	-0.3%
43.2%	3,940	3,873	-67	-1.7%
44.4%	3,927	3,852	-75	-1.9%
45.7%	3,918	3,847	-71	-1.8%
46.9%	3,891	3,846	-46	-1.2%
48.1%	3,874	3,804	-71	-1.8%
49.4%	3,873	3,795	-78	-2.0%
50.6%	3,859	3,793	-66	-1.7%
51.9%	3,842	3,779	-63	-1.6%
53.1%	3,797	3,756	-41	-1.1%
54.3%	3,795	3,748	-47	-1.2%
55.6%	3,778	3,742	-36	-1.0%
56.8%	3,756	3,739	-17	-0.5%
58.0%	3,732	3,698	-34	-0.9%
59.3%	3,703	3,667	-36	-1.0%
60.5%	3,688	3,666	-22	-0.6%
61.7%	3,668	3,647	-21	-0.6%
63.0%	3,667	3,641	-26	-0.7%
64.2%	3,657	3,588	-69	-1.9%
65.4%	3,589	3,587	-2	-0.1%
66.7%	3,568	3,534	-34	-1.0%
67.9%	3,543	3,509	-34	-1.0%
69.1%	3,540	3,504	-36	-1.0%
70.4%	3,534	3,501	-33	-0.9%
71.6%	3,504	3,495	-9	-0.3%
72.8%	3,435	3,471	36	1.1%
74.1%	3,417	3,435	19	0.5%
75.3%	3,416	3,417	1	0.0%
76.5%	3,416	3,416	0	0.0%
77.8%	3,416	3,416	0	0.0%
79.0%	3,409	3,416	7	0.2%
80.2%	3,359	3,362	3	0.1%
81.5%	3,274	3,305	31	0.9%
82.7%	3,113	3,297	184	5.9%
84.0%	3,086	3,271	185	6.0%
85.2%	3,018	3,266	248	8.2%
86.4%	3,006	3,239	232	7.7%
87.7%	2,985	3,173	188	6.3%
88.9%	2,912	2,995	84	2.9%
90.1%	2,839	2,860	22	0.8%
91.4%	2,479	2,848	369	14.9%
92.6%	2,307	2,585	278	12.0%
93.8%	2,001	2,241	240	12.0%
95.1%	1,896	2,228	332	17.5%
96.3%	1,659	1,609	-50	-3.0%
97.5%	1,527	1,558	31	2.0%
98.8%	1,465	1,547	82	5.6%
100.0%	1,455	1,451	-3	-0.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,546	4,551	5	0.1%
8.6%	4,541	4,546	5	0.1%
9.9%	4,522	4,536	14	0.3%
11.1%	4,503	4,518	15	0.3%
12.3%	4,500	4,507	7	0.1%
13.6%	4,499	4,500	1	0.0%
14.8%	4,488	4,498	10	0.2%
16.0%	4,479	4,498	19	0.4%
17.3%	4,470	4,488	17	0.4%
18.5%	4,461	4,479	18	0.4%
19.8%	4,456	4,459	3	0.1%
21.0%	4,451	4,456	5	0.1%
22.2%	4,442	4,456	14	0.3%
23.5%	4,438	4,452	14	0.3%
24.7%	4,434	4,451	17	0.4%
25.9%	4,432	4,445	13	0.3%
27.2%	4,418	4,440	22	0.5%
28.4%	4,418	4,434	16	0.4%
29.6%	4,398	4,427	30	0.7%
30.9%	4,396	4,415	20	0.5%
32.1%	4,380	4,405	25	0.6%
33.3%	4,341	4,405	63	1.5%
34.6%	4,334	4,364	30	0.7%
35.8%	4,332	4,350	17	0.4%
37.0%	4,332	4,341	10	0.2%
38.3%	4,329	4,329	0	0.0%
39.5%	4,316	4,325	9	0.2%
40.7%	4,292	4,315	23	0.5%
42.0%	4,290	4,290	0	0.0%
43.2%	4,289	4,289	0	0.0%
44.4%	4,289	4,256	-33	-0.8%
45.7%	4,271	4,227	-45	-1.0%
46.9%	4,230	4,224	-6	-0.1%
48.1%	4,217	4,217	0	0.0%
49.4%	4,177	4,211	35	0.8%
50.6%	4,173	4,191	18	0.4%
51.9%	4,137	4,173	36	0.9%
53.1%	4,131	4,137	6	0.1%
54.3%	4,105	4,131	27	0.6%
55.6%	4,094	4,121	27	0.7%
56.8%	4,085	4,099	13	0.3%
58.0%	4,074	4,094	20	0.5%
59.3%	4,064	4,074	10	0.3%
60.5%	4,058	4,059	1	0.0%
61.7%	4,014	4,058	44	1.1%
63.0%	4,001	4,053	52	1.3%
64.2%	3,990	4,019	29	0.7%
65.4%	3,952	3,977	25	0.6%
66.7%	3,943	3,975	31	0.8%
67.9%	3,928	3,963	35	0.9%
69.1%	3,919	3,950	31	0.8%
70.4%	3,888	3,938	50	1.3%
71.6%	3,850	3,917	67	1.7%
72.8%	3,843	3,914	72	1.9%
74.1%	3,819	3,892	73	1.9%
75.3%	3,812	3,867	54	1.4%
76.5%	3,796	3,829	33	0.9%
77.8%	3,762	3,815	53	1.4%
79.0%	3,758	3,705	-54	-1.4%
80.2%	3,724	3,685	-39	-1.0%
81.5%	3,612	3,615	3	0.1%
82.7%	3,525	3,587	62	1.8%
84.0%	3,306	3,393	87	2.6%
85.2%	3,147	3,365	217	6.9%
86.4%	3,127	3,235	108	3.4%
87.7%	2,991	3,134	142	4.8%
88.9%	2,835	3,111	276	9.7%
90.1%	2,699	2,761	62	2.3%
91.4%	2,598	2,650	51	2.0%
92.6%	2,163	2,552	389	18.0%
93.8%	2,148	2,479	331	15.4%
95.1%	2,069	2,402	333	16.1%
96.3%	1,998	2,347	348	17.4%
97.5%	1,588	1,697	109	6.9%
98.8%	1,583	1,630	47	3.0%
100.0%	1,527	1,566	39	2.5%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,552	4,552	0	0.0%
18.5%	4,552	4,552	0	0.0%
19.8%	4,552	4,552	0	0.0%
21.0%	4,552	4,552	0	0.0%
22.2%	4,552	4,552	0	0.0%
23.5%	4,552	4,552	0	0.0%
24.7%	4,552	4,552	0	0.0%
25.9%	4,552	4,552	0	0.0%
27.2%	4,552	4,552	0	0.0%
28.4%	4,552	4,552	0	0.0%
29.6%	4,552	4,552	0	0.0%
30.9%	4,552	4,552	0	0.0%
32.1%	4,552	4,552	0	0.0%
33.3%	4,552	4,549	-3	-0.1%
34.6%	4,543	4,543	1	0.0%
35.8%	4,528	4,541	12	0.3%
37.0%	4,495	4,533	38	0.8%
38.3%	4,494	4,520	25	0.6%
39.5%	4,487	4,515	29	0.6%
40.7%	4,482	4,513	31	0.7%
42.0%	4,458	4,511	53	1.2%
43.2%	4,450	4,478	28	0.6%
44.4%	4,440	4,475	36	0.8%
45.7%	4,429	4,473	44	1.0%
46.9%	4,425	4,448	23	0.5%
48.1%	4,358	4,424	66	1.5%
49.4%	4,278	4,395	117	2.7%
50.6%	4,265	4,391	126	3.0%
51.9%	4,259	4,317	58	1.4%
53.1%	4,258	4,315	58	1.4%
54.3%	4,224	4,266	42	1.0%
55.6%	4,222	4,253	31	0.7%
56.8%	4,155	4,198	43	1.0%
58.0%	4,134	4,188	54	1.3%
59.3%	4,082	4,169	87	2.1%
60.5%	4,079	4,108	28	0.7%
61.7%	4,004	4,107	103	2.6%
63.0%	4,001	4,095	93	2.3%
64.2%	3,941	4,074	133	3.4%
65.4%	3,934	4,061	127	3.2%
66.7%	3,859	4,057	198	5.1%
67.9%	3,813	3,990	176	4.6%
69.1%	3,785	3,922	137	3.6%
70.4%	3,778	3,911	133	3.5%
71.6%	3,759	3,787	28	0.8%
72.8%	3,714	3,729	15	0.4%
74.1%	3,647	3,691	44	1.2%
75.3%	3,626	3,686	61	1.7%
76.5%	3,622	3,674	52	1.4%
77.8%	3,589	3,666	77	2.2%
79.0%	3,573	3,659	86	2.4%
80.2%	3,557	3,614	57	1.6%
81.5%	3,523	3,569	45	1.3%
82.7%	3,406	3,427	20	0.6%
84.0%	3,326	3,420	94	2.8%
85.2%	3,125	3,380	255	8.2%
86.4%	3,049	3,330	282	9.2%
87.7%	3,012	3,214	202	6.7%
88.9%	3,006	3,095	89	3.0%
90.1%	2,975	2,965	-10	-0.3%
91.4%	2,308	2,627	319	13.8%
92.6%	2,124	2,416	292	13.7%
93.8%	1,927	2,303	377	19.5%
95.1%	1,834	2,299	465	25.4%
96.3%	1,769	2,150	381	21.5%
97.5%	1,735	1,930	195	11.2%
98.8%	1,678	1,659	-18	-1.1%
100.0%	1,397	1,563	166	11.9%

Table SW-07-5b
Shasta Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,500	0	0.0%
1.2%	4,500	4,500	0	0.0%
2.5%	4,500	4,486	-14	-0.3%
3.7%	4,500	4,465	-35	-0.8%
4.9%	4,500	4,457	-43	-1.0%
6.2%	4,500	4,457	-43	-1.0%
7.4%	4,500	4,445	-55	-1.2%
8.6%	4,500	4,444	-56	-1.2%
9.9%	4,465	4,443	-22	-0.5%
11.1%	4,465	4,432	-33	-0.7%
12.3%	4,463	4,423	-40	-0.9%
13.6%	4,439	4,414	-25	-0.6%
14.8%	4,420	4,412	-8	-0.2%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,336	-12	-0.3%
18.5%	4,341	4,331	-11	-0.2%
19.8%	4,339	4,322	-16	-0.4%
21.0%	4,332	4,321	-11	-0.3%
22.2%	4,329	4,299	-30	-0.7%
23.5%	4,318	4,298	-20	-0.5%
24.7%	4,287	4,296	9	0.2%
25.9%	4,273	4,287	14	0.3%
27.2%	4,244	4,279	34	0.8%
28.4%	4,238	4,271	34	0.8%
29.6%	4,226	4,264	38	0.9%
30.9%	4,223	4,249	26	0.6%
32.1%	4,199	4,244	45	1.1%
33.3%	4,193	4,231	38	0.9%
34.6%	4,187	4,223	35	0.8%
35.8%	4,181	4,208	27	0.6%
37.0%	4,165	4,193	29	0.7%
38.3%	4,078	4,185	106	2.6%
39.5%	4,036	4,168	132	3.3%
40.7%	4,033	4,162	128	3.2%
42.0%	4,027	4,155	128	3.2%
43.2%	4,012	4,099	87	2.2%
44.4%	3,990	4,092	102	2.6%
45.7%	3,987	4,091	104	2.6%
46.9%	3,973	4,056	83	2.1%
48.1%	3,886	4,054	169	4.3%
49.4%	3,881	4,049	168	4.3%
50.6%	3,870	4,037	166	4.3%
51.9%	3,852	4,033	181	4.7%
53.1%	3,839	3,995	156	4.1%
54.3%	3,832	3,970	138	3.6%
55.6%	3,783	3,960	176	4.7%
56.8%	3,774	3,895	121	3.2%
58.0%	3,749	3,887	138	3.7%
59.3%	3,737	3,885	148	4.0%
60.5%	3,711	3,836	125	3.4%
61.7%	3,682	3,813	131	3.6%
63.0%	3,662	3,773	111	3.0%
64.2%	3,659	3,741	82	2.3%
65.4%	3,610	3,694	83	2.3%
66.7%	3,565	3,648	83	2.3%
67.9%	3,538	3,641	104	2.9%
69.1%	3,429	3,557	127	3.7%
70.4%	3,412	3,542	130	3.8%
71.6%	3,412	3,454	42	1.2%
72.8%	3,401	3,438	38	1.1%
74.1%	3,299	3,435	136	4.1%
75.3%	3,228	3,377	149	4.6%
76.5%	3,201	3,351	150	4.7%
77.8%	3,200	3,347	147	4.6%
79.0%	3,200	3,306	106	3.3%
80.2%	3,155	3,247	92	2.9%
81.5%	3,152	3,238	86	2.7%
82.7%	2,894	3,160	266	9.2%
84.0%	2,886	3,127	242	8.4%
85.2%	2,782	3,116	334	12.0%
86.4%	2,779	2,946	167	6.0%
87.7%	2,772	2,864	92	3.3%
88.9%	2,690	2,860	170	6.3%
90.1%	2,509	2,746	237	9.5%
91.4%	1,869	2,320	451	24.1%
92.6%	1,843	2,147	304	16.5%
93.8%	1,563	1,813	251	16.0%
95.1%	1,531	1,725	194	12.7%
96.3%	1,476	1,716	240	16.2%
97.5%	1,360	1,611	252	18.5%
98.8%	1,260	1,428	168	13.4%
100.0%	878	1,028	150	17.1%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,150	0	0.0%
1.2%	4,150	4,150	0	0.0%
2.5%	4,150	4,125	-25	-0.6%
3.7%	4,150	4,122	-28	-0.7%
4.9%	4,150	4,122	-28	-0.7%
6.2%	4,150	4,115	-35	-0.8%
7.4%	4,112	4,098	-15	-0.4%
8.6%	4,100	4,080	-20	-0.5%
9.9%	4,079	4,068	-11	-0.3%
11.1%	4,039	4,065	26	0.6%
12.3%	4,036	4,058	22	0.5%
13.6%	4,026	3,994	-32	-0.8%
14.8%	3,995	3,982	-13	-0.3%
16.0%	3,975	3,965	-11	-0.3%
17.3%	3,973	3,937	-36	-0.9%
18.5%	3,943	3,936	-8	-0.2%
19.8%	3,935	3,926	-9	-0.2%
21.0%	3,931	3,887	-44	-1.1%
22.2%	3,917	3,854	-63	-1.6%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,794	65	1.8%
25.9%	3,718	3,743	25	0.7%
27.2%	3,699	3,725	26	0.7%
28.4%	3,698	3,723	26	0.7%
29.6%	3,689	3,711	22	0.6%
30.9%	3,677	3,663	-14	-0.4%
32.1%	3,635	3,663	27	0.7%
33.3%	3,623	3,661	38	1.1%
34.6%	3,620	3,661	41	1.1%
35.8%	3,585	3,650	65	1.8%
37.0%	3,568	3,645	77	2.2%
38.3%	3,480	3,638	159	4.6%
39.5%	3,462	3,621	159	4.6%
40.7%	3,413	3,609	196	5.7%
42.0%	3,408	3,608	200	5.9%
43.2%	3,408	3,560	153	4.5%
44.4%	3,400	3,558	159	4.7%
45.7%	3,389	3,532	143	4.2%
46.9%	3,388	3,487	99	2.9%
48.1%	3,380	3,475	95	2.8%
49.4%	3,375	3,474	99	2.9%
50.6%	3,361	3,459	98	2.9%
51.9%	3,355	3,450	95	2.8%
53.1%	3,346	3,448	102	3.0%
54.3%	3,334	3,406	72	2.2%
55.6%	3,278	3,383	105	3.2%
56.8%	3,257	3,368	111	3.4%
58.0%	3,207	3,330	123	3.8%
59.3%	3,206	3,314	108	3.4%
60.5%	3,200	3,289	89	2.8%
61.7%	3,174	3,278	105	3.3%
63.0%	3,149	3,219	70	2.2%
64.2%	3,137	3,194	56	1.8%
65.4%	3,113	3,182	68	2.2%
66.7%	3,038	3,179	141	4.6%
67.9%	2,984	3,150	166	5.5%
69.1%	2,977	2,980	2	0.1%
70.4%	2,890	2,979	99	3.4%
71.6%	2,873	2,975	102	3.5%
72.8%	2,846	2,959	113	4.0%
74.1%	2,778	2,942	164	5.9%
75.3%	2,770	2,919	149	5.4%
76.5%	2,733	2,913	180	6.6%
77.8%	2,712	2,872	160	5.9%
79.0%	2,674	2,871	197	7.4%
80.2%	2,600	2,792	192	7.4%
81.5%	2,593	2,773	180	6.9%
82.7%	2,397	2,608	211	8.8%
84.0%	2,383	2,608	225	9.4%
85.2%	2,361	2,517	156	6.6%
86.4%	2,261	2,453	192	8.5%
87.7%	2,258	2,451	193	8.6%
88.9%	2,192	2,432	240	10.9%
90.1%	1,997	2,295	298	14.9%
91.4%	1,509	1,802	293	19.4%
92.6%	1,423	1,729	306	21.5%
93.8%	1,305	1,438	133	10.2%
95.1%	1,139	1,305	166	14.6%
96.3%	1,040	1,233	193	18.5%
97.5%	897	1,165	268	29.8%
98.8%	650	1,098	448	69.0%
100.0%	606	646	39	6.5%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,700	0	0.0%
3.7%	3,700	3,700	0	0.0%
4.9%	3,700	3,700	0	0.0%
6.2%	3,700	3,700	0	0.0%
7.4%	3,700	3,700	0	0.0%
8.6%	3,700	3,700	0	0.0%
9.9%	3,700	3,700	0	0.0%
11.1%	3,700	3,700	0	0.0%
12.3%	3,700	3,700	0	0.0%
13.6%	3,700	3,699	-1	0.0%
14.8%	3,700	3,679	-21	-0.6%
16.0%	3,682	3,676	-6	-0.2%
17.3%	3,652	3,666	14	0.4%
18.5%	3,651	3,659	8	0.2%
19.8%	3,619	3,618	-1	0.0%
21.0%	3,592	3,569	-23	-0.6%
22.2%	3,572	3,553	-19	-0.5%
23.5%	3,539	3,527	-11	-0.3%
24.7%	3,420	3,503	84	2.5%
25.9%	3,402	3,464	62	1.8%
27.2%	3,380	3,426	45	1.3%
28.4%	3,367	3,407	40	1.2%
29.6%	3,334	3,394	60	1.8%
30.9%	3,333	3,347	14	0.4%
32.1%	3,331	3,347	16	0.5%
33.3%	3,297	3,343	46	1.4%
34.6%	3,286	3,312	27	0.8%
35.8%	3,250	3,303	52	1.6%
37.0%	3,217	3,297	80	2.5%
38.3%	3,210	3,294	84	2.6%
39.5%	3,205	3,284	79	2.5%
40.7%	3,112	3,279	167	5.4%
42.0%	3,107	3,278	171	5.5%
43.2%	3,090	3,200	110	3.6%
44.4%	3,074	3,195	121	3.9%
45.7%	3,066	3,171	105	3.4%
46.9%	3,060	3,168	109	3.6%
48.1%	3,039	3,162	123	4.1%
49.4%	3,019	3,147	128	4.2%
50.6%	3,017	3,146	129	4.3%
51.9%	2,951	3,108	157	5.3%
53.1%	2,947	3,105	159	5.4%
54.3%	2,941	3,057	116	3.9%
55.6%	2,931	3,024	93	3.2%
56.8%	2,901	2,999	99	3.4%
58.0%	2,897	2,988	91	3.1%
59.3%	2,864	2,980	116	4.0%
60.5%	2,858	2,933	75	2.6%
61.7%	2,851	2,907	56	2.0%
63.0%	2,793	2,890	97	3.5%
64.2%	2,749	2,882	133	4.8%
65.4%	2,701	2,871	170	6.3%
66.7%	2,698	2,823	125	4.6%
67.9%	2,673	2,817	144	5.4%
69.1%	2,642	2,804	162	6.1%
70.4%	2,635	2,743	108	4.1%
71.6%	2,634	2,708	75	2.8%
72.8%	2,617	2,680	63	2.4%
74.1%	2,585	2,658	72	2.8%
75.3%	2,483	2,645	162	6.5%
76.5%	2,438	2,612	174	7.1%
77.8%	2,434	2,552	118	4.8%
79.0%	2,280	2,522	243	10.6%
80.2%	2,169	2,506	337	15.5%
81.5%	2,146	2,457	311	14.5%
82.7%	2,097	2,335	238	11.4%
84.0%	2,045	2,159	114	5.6%
85.2%	2,018	2,129	111	5.5%
86.4%	1,932	2,125	193	10.0%
87.7%	1,805	2,095	289	16.0%
88.9%	1,734	1,999	264	15.2%
90.1%	1,719	1,816	97	5.6%
91.4%	1,220	1,569	350	28.7%
92.6%	1,142	1,437	295	25.8%
93.8%	1,064	1,225	160	15.0%
95.1%	757	824	67	8.8%
96.3%	642	816	175	27.2%
97.5%	557	783	226	40.5%
98.8%	550	747	197	35.8%
100.0%	550	550	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,377	3	0.1%
13.6%	3,353	3,373	21	0.6%
14.8%	3,352	3,328	-24	-0.7%
16.0%	3,349	3,315	-34	-1.0%
17.3%	3,333	3,303	-30	-0.9%
18.5%	3,242	3,302	60	1.9%
19.8%	3,237	3,265	29	0.9%
21.0%	3,232	3,261	29	0.9%
22.2%	3,199	3,254	54	1.7%
23.5%	3,198	3,252	54	1.7%
24.7%	3,187	3,240	52	1.6%
25.9%	3,170	3,237	67	2.1%
27.2%	3,160	3,226	66	2.1%
28.4%	3,146	3,214	68	2.1%
29.6%	3,144	3,203	59	1.9%
30.9%	3,119	3,200	81	2.6%
32.1%	3,083	3,200	117	3.8%
33.3%	3,078	3,165	87	2.8%
34.6%	3,064	3,140	76	2.5%
35.8%	3,028	3,133	105	3.5%
37.0%	3,022	3,123	101	3.3%
38.3%	2,979	3,112	134	4.5%
39.5%	2,976	3,111	134	4.5%
40.7%	2,970	3,106	136	4.6%
42.0%	2,964	3,080	116	3.9%
43.2%	2,955	3,049	94	3.2%
44.4%	2,941	3,042	101	3.5%
45.7%	2,929	3,038	109	3.7%
46.9%	2,921	3,017	97	3.3%
48.1%	2,896	3,011	115	4.0%
49.4%	2,891	3,006	114	4.0%
50.6%	2,844	2,983	139	4.9%
51.9%	2,838	2,971	133	4.7%
53.1%	2,830	2,957	127	4.5%
54.3%	2,823	2,945	122	4.3%
55.6%	2,821	2,922	101	3.6%
56.8%	2,796	2,910	114	4.1%
58.0%	2,796	2,883	87	3.1%
59.3%	2,708	2,847	139	5.1%
60.5%	2,664	2,842	178	6.7%
61.7%	2,658	2,808	150	5.6%
63.0%	2,646	2,757	111	4.2%
64.2%	2,630	2,753	123	4.7%
65.4%	2,615	2,735	120	4.6%
66.7%	2,569	2,678	108	4.2%
67.9%	2,554	2,678	123	4.8%
69.1%	2,545	2,664	119	4.7%
70.4%	2,538	2,653	115	4.5%
71.6%	2,491	2,600	109	4.4%
72.8%	2,399	2,594	195	8.1%
74.1%	2,335	2,589	253	10.8%
75.3%	2,332	2,507	175	7.5%
76.5%	2,315	2,503	188	8.1%
77.8%	2,237	2,485	248	11.1%
79.0%	2,233	2,446	212	9.5%
80.2%	2,228	2,406	178	8.0%
81.5%	2,099	2,305	206	9.8%
82.7%	2,086	2,273	187	9.0%
84.0%	2,055	2,149	94	4.6%
85.2%	1,928	2,038	110	5.7%
86.4%	1,906	2,001	95	5.0%
87.7%	1,623	1,999	377	23.2%
88.9%	1,615	1,906	291	18.0%
90.1%	1,609	1,698	89	5.5%
91.4%	1,118	1,484	366	32.7%
92.6%	971	1,400	429	44.2%
93.8%	965	1,124	159	16.5%
95.1%	640	709	69	10.7%
96.3%	569	650	81	14.3%
97.5%	550	650	100	18.2%
98.8%	550	650	100	18.2%
100.0%	550	518	-32	-5.8%

Table SW-08-5a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative B	985	984	991	1,003	1,015	1,031	1,044	1,046	1,034	1,014	998	990
Difference	5	5	3	2	0	1	2	3	4	5	5	6
Percent Difference[3]	0.6%	0.5%	0.3%	0.2%	0.0%	0.1%	0.2%	0.3%	0.4%	0.5%	0.6%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative B	1,009	1,005	1,010	1,024	1,033	1,042	1,059	1,065	1,058	1,042	1,029	1,014
Difference	1	1	-1	0	-1	0	0	0	0	0	1	2
Percent Difference	0.1%	0.1%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative B	1,007	1,003	1,008	1,010	1,022	1,045	1,062	1,064	1,053	1,031	1,017	1,011
Difference	3	2	-1	0	-2	0	0	0	1	2	2	3
Percent Difference	0.3%	0.2%	-0.1%	0.0%	-0.2%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.3%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative B	1,001	1,003	1,005	1,000	1,015	1,033	1,049	1,052	1,041	1,021	1,006	1,003
Difference	3	1	-1	-1	-2	-1	0	2	3	4	4	4
Percent Difference	0.3%	0.1%	-0.1%	-0.1%	-0.2%	-0.1%	0.0%	0.2%	0.3%	0.4%	0.4%	0.4%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative B	982	985	994	997	1,012	1,034	1,042	1,040	1,027	1,005	989	986
Difference	10	9	6	3	0	1	3	5	7	8	9	9
Percent Difference	1.1%	0.9%	0.6%	0.3%	0.0%	0.1%	0.3%	0.5%	0.7%	0.8%	0.9%	1.0%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative B	897	898	911	965	975	989	990	987	966	938	913	905
Difference	13	13	12	8	6	5	9	12	14	18	15	14
Percent Difference	1.4%	1.4%	1.3%	0.8%	0.6%	0.5%	0.9%	1.2%	1.5%	2.0%	1.7%	1.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-08-5b
Shasta Lake, End of Month Elevation
Probability of Exceedance

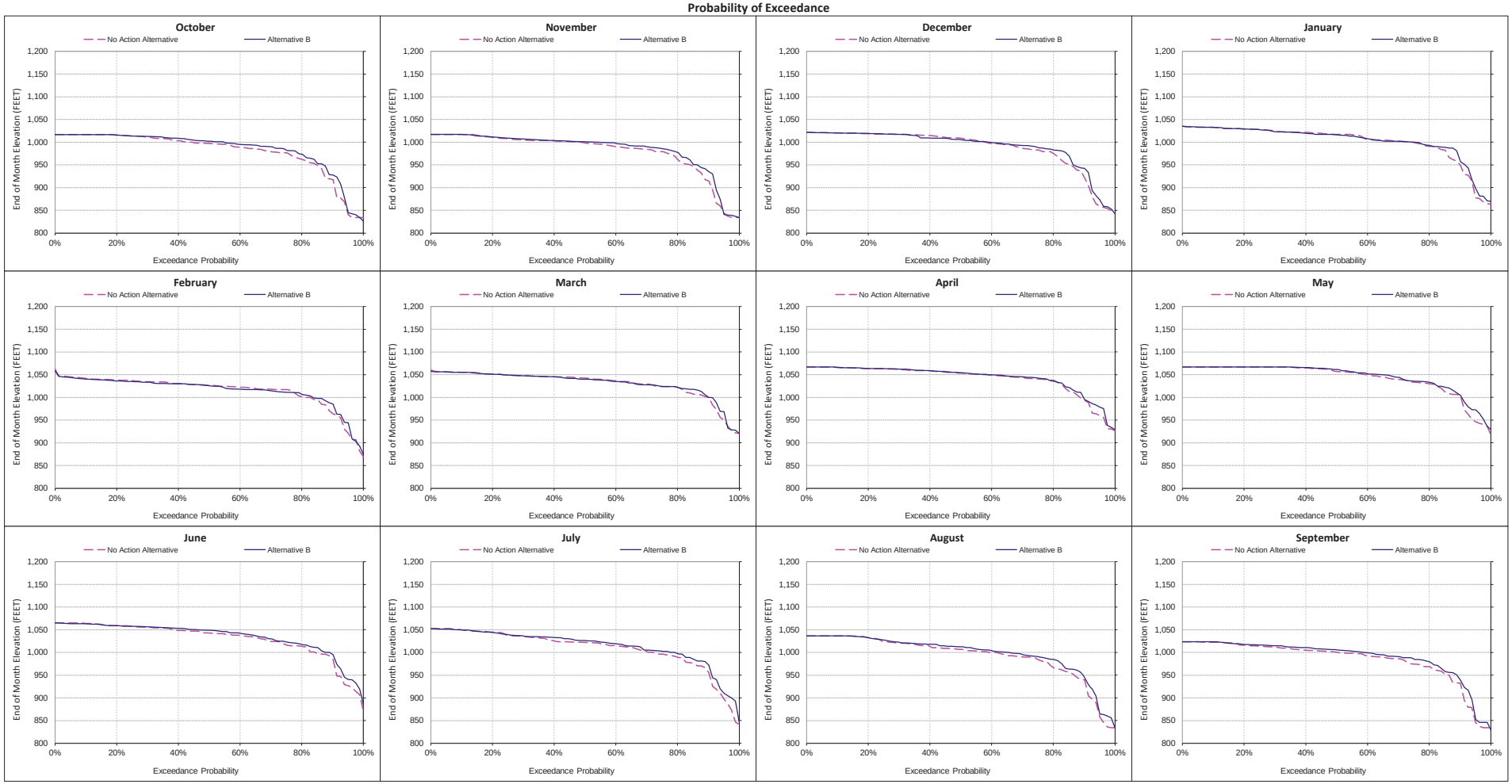

Table SW-08-5b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,016	0	0.0%
21.0%	1,015	1,015	0	0.0%
22.2%	1,015	1,014	-1	-0.1%
23.5%	1,015	1,014	-1	-0.1%
24.7%	1,014	1,014	0	0.0%
25.9%	1,014	1,014	0	0.0%
27.2%	1,014	1,013	-1	-0.1%
28.4%	1,013	1,013	0	0.0%
29.6%	1,011	1,013	1	0.1%
30.9%	1,011	1,013	2	0.2%
32.1%	1,009	1,013	4	0.4%
33.3%	1,008	1,012	3	0.3%
34.6%	1,008	1,012	3	0.3%
35.8%	1,007	1,010	2	0.2%
37.0%	1,007	1,009	2	0.2%
38.3%	1,004	1,009	5	0.5%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	7	0.7%
43.2%	1,000	1,006	6	0.6%
44.4%	1,000	1,005	5	0.5%
45.7%	998	1,004	5	0.5%
46.9%	998	1,004	6	0.6%
48.1%	998	1,003	6	0.6%
49.4%	998	1,002	5	0.5%
50.6%	997	1,002	5	0.5%
51.9%	996	1,001	5	0.5%
53.1%	996	1,001	5	0.5%
54.3%	996	1,001	6	0.6%
55.6%	996	998	2	0.3%
56.8%	993	997	4	0.4%
58.0%	990	997	7	0.7%
59.3%	989	995	6	0.6%
60.5%	989	995	6	0.6%
61.7%	987	994	7	0.7%
63.0%	986	994	8	0.8%
64.2%	986	994	8	0.8%
65.4%	985	993	8	0.9%
66.7%	984	991	7	0.7%
67.9%	981	991	9	1.0%
69.1%	981	990	9	1.0%
70.4%	978	990	11	1.1%
71.6%	978	987	8	0.9%
72.8%	977	986	9	1.0%
74.1%	977	986	9	0.9%
75.3%	977	981	5	0.5%
76.5%	971	981	10	1.1%
77.8%	967	981	14	1.4%
79.0%	964	975	11	1.1%
80.2%	962	973	11	1.2%
81.5%	958	966	7	0.8%
82.7%	955	965	10	1.1%
84.0%	954	963	9	1.0%
85.2%	948	953	4	0.4%
86.4%	942	952	10	1.1%
87.7%	921	948	27	2.9%
88.9%	920	929	9	1.0%
90.1%	918	928	10	1.1%
91.4%	878	924	46	5.2%
92.6%	877	908	31	3.5%
93.8%	869	878	9	1.1%
95.1%	840	845	5	0.5%
96.3%	834	843	8	1.0%
97.5%	834	840	6	0.7%
98.8%	834	834	0	0.0%
100.0%	834	826	-8	-0.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,015	-2	-0.1%
14.8%	1,015	1,014	-2	-0.2%
16.0%	1,014	1,014	-1	-0.1%
17.3%	1,013	1,013	0	0.0%
18.5%	1,011	1,013	2	0.2%
19.8%	1,011	1,012	1	0.1%
21.0%	1,010	1,011	1	0.1%
22.2%	1,009	1,010	1	0.1%
23.5%	1,008	1,010	2	0.2%
24.7%	1,008	1,009	1	0.1%
25.9%	1,007	1,009	2	0.2%
27.2%	1,006	1,008	2	0.2%
28.4%	1,006	1,007	2	0.2%
29.6%	1,005	1,007	2	0.2%
30.9%	1,005	1,007	3	0.3%
32.1%	1,004	1,006	2	0.2%
33.3%	1,004	1,005	1	0.1%
34.6%	1,004	1,005	1	0.1%
35.8%	1,004	1,005	1	0.1%
37.0%	1,004	1,005	1	0.1%
38.3%	1,004	1,004	1	0.1%
39.5%	1,003	1,004	1	0.1%
40.7%	1,002	1,003	1	0.1%
42.0%	1,002	1,003	1	0.1%
43.2%	1,002	1,003	1	0.1%
44.4%	1,001	1,003	1	0.1%
45.7%	1,001	1,002	1	0.1%
46.9%	1,001	1,002	1	0.1%
48.1%	1,001	1,001	1	0.1%
49.4%	999	1,001	1	0.1%
50.6%	998	1,001	3	0.3%
51.9%	998	1,000	3	0.3%
53.1%	997	1,000	4	0.4%
54.3%	996	1,000	4	0.4%
55.6%	996	1,000	4	0.4%
56.8%	994	999	6	0.6%
58.0%	993	999	6	0.6%
59.3%	991	999	8	0.8%
60.5%	990	997	7	0.7%
61.7%	989	996	7	0.7%
63.0%	988	996	8	0.8%
64.2%	987	993	5	0.6%
65.4%	987	992	5	0.5%
66.7%	987	992	5	0.5%
67.9%	986	992	6	0.6%
69.1%	985	992	7	0.7%
70.4%	984	989	5	0.5%
71.6%	983	989	5	0.6%
72.8%	979	988	9	0.9%
74.1%	979	987	7	0.8%
75.3%	979	986	7	0.7%
76.5%	976	984	8	0.9%
77.8%	974	982	9	0.9%
79.0%	969	980	11	1.1%
80.2%	960	977	17	1.7%
81.5%	954	967	13	1.3%
82.7%	952	967	15	1.5%
84.0%	951	961	10	1.1%
85.2%	947	951	4	0.4%
86.4%	938	950	12	1.3%
87.7%	933	944	12	1.3%
88.9%	918	942	24	2.6%
90.1%	914	935	21	2.3%
91.4%	894	930	36	4.0%
92.6%	866	894	29	3.3%
93.8%	860	874	15	1.7%
95.1%	844	841	-3	-0.4%
96.3%	837	840	3	0.3%
97.5%	835	839	5	0.6%
98.8%	834	837	2	0.3%
100.0%	834	834	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,022	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,021	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,020	1,020	0	0.0%
18.5%	1,019	1,020	1	0.1%
19.8%	1,019	1,019	1	0.1%
21.0%	1,018	1,019	1	0.1%
22.2%	1,018	1,019	1	0.1%
23.5%	1,018	1,019	1	0.1%
24.7%	1,018	1,018	1	0.1%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,018	0	0.0%
28.4%	1,017	1,018	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,017	1,016	-1	-0.1%
34.6%	1,017	1,015	-1	-0.1%
35.8%	1,016	1,014	-2	-0.2%
37.0%	1,015	1,010	-6	-0.6%
38.3%	1,015	1,010	-5	-0.5%
39.5%	1,015	1,009	-5	-0.5%
40.7%	1,014	1,009	-5	-0.5%
42.0%	1,013	1,009	-4	-0.4%
43.2%	1,011	1,009	-3	-0.3%
44.4%	1,011	1,009	-2	-0.2%
45.7%	1,010	1,008	-2	-0.2%
46.9%	1,010	1,006	-3	-0.3%
48.1%	1,010	1,006	-3	-0.3%
49.4%	1,009	1,006	-3	-0.3%
50.6%	1,008	1,005	-4	-0.4%
51.9%	1,006	1,004	-2	-0.2%
53.1%	1,006	1,004	-2	-0.2%
54.3%	1,005	1,002	-3	-0.3%
55.6%	1,003	1,002	-2	-0.2%
56.8%	1,003	1,002	-1	-0.1%
58.0%	1,000	1,001	1	0.1%
59.3%	998	1,000	2	0.2%
60.5%	997	999	2	0.2%
61.7%	996	998	2	0.2%
63.0%	996	998	2	0.2%
64.2%	995	996	2	0.2%
65.4%	994	996	2	0.2%
66.7%	994	994	1	0.1%
67.9%	990	994	4	0.4%
69.1%	989	993	4	0.4%
70.4%	986	993	7	0.7%
71.6%	986	992	7	0.7%
72.8%	984	991	8	0.8%
74.1%	983	990	7	0.7%
75.3%	982	988	5	0.5%
76.5%	979	987	8	0.8%
77.8%	979	985	6	0.6%
79.0%	979	985	6	0.6%
80.2%	974	983	8	0.8%
81.5%	968	982	14	1.5%
82.7%	960	981	21	2.2%
84.0%	954	978	24	2.5%
85.2%	951	969	19	2.0%
86.4%	946	950	4	0.4%
87.7%	938	946	8	0.8%
88.9%	937	943	6	0.7%
90.1%	921	943	21	2.3%
91.4%	905	934	29	3.2%
92.6%	880	894	14	1.5%
93.8%	864	882	18	2.1%
95.1%	859	873	14	1.6%
96.3%	857	859	2	0.2%
97.5%	854	858	4	0.5%
98.8%	849	853	4	0.4%
100.0%	848	842	-5	-0.6%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,034	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,033	0	0.0%
6.2%	1,033	1,033	0	0.0%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,032	0	0.0%
12.3%	1,031	1,032	1	0.1%
13.6%	1,030	1,030	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,029	0	0.0%
21.0%	1,029	1,029	0	0.0%
22.2%	1,029	1,028	-1	-0.1%
23.5%	1,028	1,028	0	0.0%
24.7%	1,028	1,028	-1	-0.1%
25.9%	1,027	1,027	0	0.0%
27.2%	1,027	1,027	0	0.0%
28.4%	1,026	1,025	-1	-0.1%
29.6%	1,025	1,023	-2	-0.2%
30.9%	1,024	1,023	-1	-0.1%
32.1%	1,023	1,023	0	0.0%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,021	-1	-0.1%
39.5%	1,022	1,020	-2	-0.2%
40.7%	1,022	1,019	-3	-0.3%
42.0%	1,021	1,019	-2	-0.2%
43.2%	1,020	1,017	-3	-0.3%
44.4%	1,020	1,017	-3	-0.3%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,017	0	0.0%
50.6%	1,017	1,016	-1	-0.1%
51.9%	1,017	1,016	-1	-0.1%
53.1%	1,017	1,015	-2	-0.2%
54.3%	1,017	1,013	-4	-0.4%
55.6%	1,016	1,013	-3	-0.3%
56.8%	1,016	1,012	-4	-0.4%
58.0%	1,012	1,010	-2	-0.2%
59.3%	1,007	1,009	2	0.2%
60.5%	1,007	1,007	0	0.0%
61.7%	1,006	1,005	-1	-0.1%
63.0%	1,005	1,004	-1	-0.1%
64.2%	1,005	1,004	-1	-0.1%
65.4%	1,005	1,002	-2	-0.2%
66.7%	1,004	1,002	-2	-0.2%
67.9%	1,003	1,002	-1	-0.1%
69.1%	1,003	1,002	-1	-0.1%
70.4%	1,002	1,002	0	0.0%
71.6%	1,001	1,001	0	0.0%
72.8%	1,001	1,001	0	0.0%
74.1%	1,001	1,001	0	0.0%
75.3%	999	1,000	1	0.1%
76.5%	997	999	2	0.2%
77.8%	995	996	0	0.0%
79.0%	991	994	3	0.3%
80.2%	991	993	2	0.2%
81.5%	991	990	0	0.0%
82.7%	988	990	3	0.3%
84.0%	984	989	5	0.6%
85.2%	983	989	6	0.6%
86.4%	966	987	21	2.2%
87.7%	962	987	25	2.6%
88.9%	958	981	23	2.4%
90.1%	949	957	8	0.8%
91.4%	929	951	22	2.4%
92.6%	928	944	16	1.7%
93.8%	915	918	3	0.3%
95.1%	878	898	20	2.3%
96.3%	876	881	5	0.6%
97.5%	869	881	12	1.4%
98.8%	865	871	5	0.6%
100.0%	863	870	7	0.8%

Table SW-08-5b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,063	1,058	-4	-0.4%
1.2%	1,047	1,046	-1	-0.1%
2.5%	1,047	1,045	-1	-0.1%
3.7%	1,046	1,044	-2	-0.2%
4.9%	1,045	1,044	-1	-0.1%
6.2%	1,044	1,043	-2	-0.2%
7.4%	1,044	1,042	-2	-0.2%
8.6%	1,043	1,041	-2	-0.2%
9.9%	1,042	1,041	-1	-0.1%
11.1%	1,042	1,040	-2	-0.2%
12.3%	1,040	1,039	-1	-0.1%
13.6%	1,040	1,039	-1	-0.1%
14.8%	1,040	1,039	-1	-0.1%
16.0%	1,039	1,038	-1	-0.1%
17.3%	1,039	1,038	-1	-0.1%
18.5%	1,039	1,037	-2	-0.2%
19.8%	1,038	1,036	-2	-0.2%
21.0%	1,038	1,036	-2	-0.2%
22.2%	1,038	1,036	-2	-0.2%
23.5%	1,038	1,035	-2	-0.2%
24.7%	1,037	1,035	-2	-0.2%
25.9%	1,036	1,035	-1	-0.1%
27.2%	1,035	1,034	-1	-0.1%
28.4%	1,035	1,034	-1	-0.1%
29.6%	1,034	1,033	-1	-0.1%
30.9%	1,034	1,033	-1	-0.1%
32.1%	1,034	1,031	-3	-0.3%
33.3%	1,034	1,031	-3	-0.3%
34.6%	1,034	1,031	-3	-0.3%
35.8%	1,034	1,030	-3	-0.3%
37.0%	1,032	1,030	-2	-0.2%
38.3%	1,031	1,030	-1	-0.1%
39.5%	1,031	1,030	0	0.0%
40.7%	1,030	1,030	0	0.0%
42.0%	1,029	1,030	1	0.1%
43.2%	1,029	1,029	0	0.0%
44.4%	1,028	1,029	0	0.0%
45.7%	1,028	1,028	0	0.0%
46.9%	1,028	1,028	0	0.0%
48.1%	1,028	1,027	-1	-0.1%
49.4%	1,027	1,026	-1	-0.1%
50.6%	1,026	1,025	-1	-0.1%
51.9%	1,026	1,025	-1	-0.1%
53.1%	1,025	1,024	0	0.0%
54.3%	1,024	1,023	-2	-0.2%
55.6%	1,024	1,019	-5	-0.5%
56.8%	1,024	1,019	-5	-0.5%
58.0%	1,024	1,019	-5	-0.5%
59.3%	1,023	1,018	-5	-0.5%
60.5%	1,022	1,018	-5	-0.5%
61.7%	1,022	1,017	-5	-0.5%
63.0%	1,021	1,017	-4	-0.4%
64.2%	1,020	1,017	-3	-0.3%
65.4%	1,019	1,017	-2	-0.2%
66.7%	1,019	1,017	-2	-0.2%
67.9%	1,019	1,017	-2	-0.2%
69.1%	1,018	1,016	-2	-0.2%
70.4%	1,018	1,014	-4	-0.4%
71.6%	1,017	1,013	-3	-0.3%
72.8%	1,017	1,012	-5	-0.5%
74.1%	1,017	1,012	-5	-0.5%
75.3%	1,017	1,011	-6	-0.6%
76.5%	1,015	1,011	-4	-0.4%
77.8%	1,009	1,011	1	0.1%
79.0%	1,003	1,010	7	0.7%
80.2%	1,001	1,006	5	0.5%
81.5%	1,000	1,005	5	0.5%
82.7%	1,000	1,003	3	0.3%
84.0%	995	999	4	0.4%
85.2%	995	998	3	0.3%
86.4%	985	998	13	1.3%
87.7%	984	993	9	0.9%
88.9%	971	988	18	1.8%
90.1%	963	985	22	2.3%
91.4%	961	963	2	0.2%
92.6%	955	963	8	0.8%
93.8%	930	945	15	1.6%
95.1%	921	944	23	2.5%
96.3%	907	909	2	0.2%
97.5%	907	903	-4	-0.4%
98.8%	882	893	11	1.3%
100.0%	869	874	4	0.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,061	1,057	-3	-0.3%
1.2%	1,057	1,056	-1	-0.1%
2.5%	1,057	1,056	-1	-0.1%
3.7%	1,056	1,056	0	0.0%
4.9%	1,056	1,056	0	0.0%
6.2%	1,056	1,055	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,055	1,055	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	0	0.0%
13.6%	1,055	1,054	-1	-0.1%
14.8%	1,054	1,053	-1	-0.1%
16.0%	1,053	1,053	0	0.0%
17.3%	1,052	1,052	0	0.0%
18.5%	1,052	1,051	0	0.0%
19.8%	1,051	1,051	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,050	-1	-0.1%
24.7%	1,050	1,049	0	0.0%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,047	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,046	1,046	0	0.0%
35.8%	1,046	1,046	0	0.0%
37.0%	1,046	1,046	0	0.0%
38.3%	1,046	1,046	0	0.0%
39.5%	1,046	1,045	0	0.0%
40.7%	1,045	1,045	0	0.0%
42.0%	1,045	1,045	0	0.0%
43.2%	1,045	1,043	-2	-0.2%
44.4%	1,045	1,042	-3	-0.3%
45.7%	1,044	1,042	-3	-0.2%
46.9%	1,043	1,042	-2	-0.2%
48.1%	1,043	1,040	-3	-0.2%
49.4%	1,043	1,040	-3	-0.3%
50.6%	1,042	1,040	-2	-0.2%
51.9%	1,042	1,039	-2	-0.2%
53.1%	1,040	1,039	-1	-0.1%
54.3%	1,040	1,038	-2	-0.2%
55.6%	1,039	1,038	-1	-0.1%
56.8%	1,039	1,038	-1	-0.1%
58.0%	1,038	1,036	-1	-0.1%
59.3%	1,037	1,035	-2	-0.1%
60.5%	1,036	1,035	-1	-0.1%
61.7%	1,035	1,034	-1	-0.1%
63.0%	1,035	1,034	-1	-0.1%
64.2%	1,035	1,032	-3	-0.3%
65.4%	1,032	1,032	0	0.0%
66.7%	1,031	1,029	-1	-0.1%
67.9%	1,030	1,028	-1	-0.1%
69.1%	1,029	1,028	-2	-0.2%
70.4%	1,029	1,028	-1	-0.1%
71.6%	1,028	1,028	0	0.0%
72.8%	1,025	1,027	2	0.2%
74.1%	1,024	1,025	1	0.1%
75.3%	1,024	1,024	0	0.0%
76.5%	1,024	1,024	0	0.0%
77.8%	1,024	1,024	0	0.0%
79.0%	1,024	1,024	0	0.0%
80.2%	1,022	1,022	0	0.0%
81.5%	1,018	1,019	1	0.1%
82.7%	1,011	1,019	8	0.8%
84.0%	1,010	1,018	8	0.8%
85.2%	1,007	1,018	11	1.1%
86.4%	1,006	1,016	10	1.0%
87.7%	1,005	1,014	8	0.8%
88.9%	1,002	1,006	4	0.4%
90.1%	999	1,000	1	0.1%
91.4%	983	999	16	1.7%
92.6%	973	988	15	1.5%
93.8%	956	969	14	1.4%
95.1%	950	969	19	2.0%
96.3%	936	932	-4	-0.4%
97.5%	926	929	2	0.2%
98.8%	922	928	6	0.7%
100.0%	921	921	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,066	1,066	1	0.0%
11.1%	1,065	1,066	1	0.1%
12.3%	1,065	1,065	0	0.0%
13.6%	1,065	1,065	0	0.0%
14.8%	1,065	1,065	0	0.0%
16.0%	1,064	1,065	1	0.1%
17.3%	1,064	1,065	1	0.1%
18.5%	1,064	1,064	1	0.1%
19.8%	1,064	1,064	0	0.0%
21.0%	1,063	1,064	0	0.0%
22.2%	1,063	1,064	0	0.0%
23.5%	1,063	1,063	0	0.0%
24.7%	1,063	1,063	1	0.1%
25.9%	1,063	1,063	0	0.0%
27.2%	1,062	1,063	1	0.1%
28.4%	1,062	1,063	1	0.1%
29.6%	1,061	1,063	1	0.1%
30.9%	1,061	1,062	1	0.1%
32.1%	1,061	1,062	1	0.1%
33.3%	1,059	1,062	2	0.2%
34.6%	1,059	1,060	1	0.1%
35.8%	1,059	1,060	1	0.1%
37.0%	1,059	1,059	0	0.0%
38.3%	1,059	1,059	0	0.0%
39.5%	1,059	1,059	0	0.0%
40.7%	1,058	1,059	1	0.1%
42.0%	1,058	1,058	0	0.0%
43.2%	1,058	1,058	0	0.0%
44.4%	1,058	1,056	-1	-0.1%
45.7%	1,057	1,055	-2	-0.2%
46.9%	1,055	1,055	0	0.0%
48.1%	1,055	1,055	0	0.0%
49.4%	1,054	1,055	1	0.1%
50.6%	1,053	1,054	1	0.1%
51.9%	1,052	1,053	1	0.1%
53.1%	1,052	1,052	0	0.0%
54.3%	1,051	1,052	1	0.1%
55.6%	1,051	1,052	1	0.1%
56.8%	1,050	1,051	0	0.0%
58.0%	1,050	1,051	1	0.1%
59.3%	1,050	1,050	0	0.0%
60.5%	1,049	1,049	0	0.0%
61.7%	1,048	1,049	2	0.1%
63.0%	1,047	1,049	2	0.2%
64.2%	1,047	1,048	1	0.1%
65.4%	1,046	1,046	1	0.1%
66.7%	1,045	1,046	1	0.1%
67.9%	1,045	1,046	1	0.1%
69.1%	1,044	1,045	1	0.1%
70.4%	1,043	1,045	2	0.2%
71.6%	1,042	1,044	2	0.2%
72.8%	1,042	1,044	3	0.2%
74.1%	1,041	1,043	3	0.3%
75.3%	1,041	1,043	2	0.2%
76.5%	1,040	1,041	1	0.1%
77.8%	1,039	1,041	2	0.2%
79.0%	1,039	1,037	-2	-0.2%
80.2%	1,037	1,036	-2	-0.2%
81.5%	1,033	1,033	0	0.0%
82.7%	1,029	1,032	3	0.3%
84.0%	1,019	1,023	4	0.4%
85.2%	1,012	1,022	9	0.9%
86.4%	1,012	1,016	5	0.5%
87.7%	1,006	1,012	6	0.6%
88.9%	999	1,011	12	1.2%
90.1%	993	996	3	0.3%
91.4%	989	991	2	0.2%
92.6%	965	987	22	2.2%
93.8%	964	983	19	1.9%
95.1%	960	979	19	2.0%
96.3%	956	975	20	2.1%
97.5%	931	939	8	0.8%
98.8%	930	934	3	0.4%
100.0%	926	929	3	0.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,067	0	0.0%
28.4%	1,067	1,067	0	0.0%
29.6%	1,067	1,067	0	0.0%
30.9%	1,067	1,067	0	0.0%
32.1%	1,067	1,067	0	0.0%
33.3%	1,067	1,067	0	0.0%
34.6%	1,067	1,067	0	0.0%
35.8%	1,066	1,067	0	0.0%
37.0%	1,065	1,066	1	0.1%
38.3%	1,065	1,066	1	0.1%
39.5%	1,065	1,066	1	0.1%
40.7%	1,064	1,066	1	0.1%
42.0%	1,064	1,066	2	0.2%
43.2%	1,063	1,064	1	0.1%
44.4%	1,063	1,064	1	0.1%
45.7%	1,063	1,064	2	0.1%
46.9%	1,062	1,063	1	0.1%
48.1%	1,060	1,062	2	0.2%
49.4%	1,057	1,061	4	0.4%
50.6%	1,057	1,061	5	0.4%
51.9%	1,057	1,059	2	0.2%
53.1%	1,056	1,059	2	0.2%
54.3%	1,055	1,057	1	0.1%
55.6%	1,055	1,056	1	0.1%
56.8%	1,053	1,054	2	0.1%
58.0%	1,052	1,054	2	0.2%
59.3%	1,050	1,053	3	0.3%
60.5%	1,050	1,051	1	0.1%
61.7%	1,047	1,051	4	0.4%
63.0%	1,047	1,051	3	0.3%
64.2%	1,045	1,050	5	0.5%
65.4%	1,045	1,049	5	0.4%
66.7%	1,042	1,049	7	0.7%
67.9%	1,041	1,047	6	0.6%
69.1%	1,040	1,044	5	0.5%
70.4%	1,039	1,044	5	0.5%
71.6%	1,039	1,040	1	0.1%
72.8%	1,037	1,038	1	0.1%
74.1%	1,034	1,036	2	0.2%
75.3%	1,033	1,036	3	0.3%
76.5%	1,033	1,035	2	0.2%
77.8%	1,032	1,035	3	0.3%
79.0%	1,031	1,035	4	0.4%
80.2%	1,030	1,033	2	0.2%
81.5%	1,029	1,031	2	0.2%
82.7%	1,024	1,025	1	0.1%
84.0%	1,020	1,024	4	0.4%
85.2%	1,011	1,023	11	1.1%
86.4%	1,008	1,020	12	1.2%
87.7%	1,007	1,015	9	0.9%
88.9%	1,006	1,010	4	0.4%
90.1%	1,005	1,005	0	0.0%
91.4%	973	990	17	1.7%
92.6%	963	979	17	1.7%
93.8%	952	973	21	2.2%
95.1%	946	973	26	2.8%
96.3%	943	964	22	2.3%
97.5%	941	952	11	1.2%
98.8%	937	936	-1	-0.1%
100.0%	917	929	12	1.3%

Table SW-08-5b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,065	0	0.0%
1.2%	1,065	1,065	0	0.0%
2.5%	1,065	1,065	0	0.0%
3.7%	1,065	1,064	-1	-0.1%
4.9%	1,065	1,064	-2	-0.1%
6.2%	1,065	1,064	-2	-0.1%
7.4%	1,065	1,063	-2	-0.2%
8.6%	1,065	1,063	-2	-0.2%
9.9%	1,064	1,063	-1	-0.1%
11.1%	1,064	1,063	-1	-0.1%
12.3%	1,064	1,062	-1	-0.1%
13.6%	1,063	1,062	-1	-0.1%
14.8%	1,062	1,062	0	0.0%
16.0%	1,060	1,060	0	0.0%
17.3%	1,060	1,059	0	0.0%
18.5%	1,059	1,059	0	0.0%
19.8%	1,059	1,059	-1	-0.1%
21.0%	1,059	1,059	0	0.0%
22.2%	1,059	1,058	-1	-0.1%
23.5%	1,059	1,058	-1	-0.1%
24.7%	1,058	1,058	0	0.0%
25.9%	1,057	1,058	1	0.0%
27.2%	1,056	1,057	1	0.1%
28.4%	1,056	1,057	1	0.1%
29.6%	1,055	1,057	1	0.1%
30.9%	1,055	1,056	1	0.1%
32.1%	1,054	1,056	2	0.2%
33.3%	1,054	1,056	1	0.1%
34.6%	1,054	1,055	1	0.1%
35.8%	1,054	1,055	1	0.1%
37.0%	1,053	1,054	1	0.1%
38.3%	1,050	1,054	4	0.4%
39.5%	1,049	1,053	5	0.4%
40.7%	1,048	1,053	5	0.4%
42.0%	1,048	1,053	5	0.4%
43.2%	1,048	1,051	3	0.3%
44.4%	1,047	1,051	4	0.3%
45.7%	1,047	1,051	4	0.4%
46.9%	1,046	1,049	3	0.3%
48.1%	1,043	1,049	6	0.6%
49.4%	1,043	1,049	6	0.6%
50.6%	1,043	1,049	6	0.6%
51.9%	1,042	1,048	6	0.6%
53.1%	1,041	1,047	6	0.5%
54.3%	1,041	1,046	5	0.5%
55.6%	1,040	1,046	6	0.6%
56.8%	1,039	1,044	4	0.4%
58.0%	1,038	1,043	5	0.5%
59.3%	1,038	1,043	5	0.5%
60.5%	1,037	1,041	4	0.4%
61.7%	1,036	1,041	5	0.5%
63.0%	1,035	1,039	4	0.4%
64.2%	1,035	1,038	3	0.3%
65.4%	1,033	1,036	4	0.4%
66.7%	1,031	1,034	4	0.3%
67.9%	1,029	1,034	5	0.4%
69.1%	1,025	1,030	6	0.5%
70.4%	1,024	1,030	6	0.6%
71.6%	1,024	1,026	2	0.2%
72.8%	1,023	1,025	2	0.2%
74.1%	1,019	1,025	6	0.6%
75.3%	1,016	1,022	6	0.6%
76.5%	1,015	1,021	7	0.6%
77.8%	1,015	1,021	6	0.6%
79.0%	1,015	1,019	5	0.5%
80.2%	1,013	1,017	4	0.4%
81.5%	1,013	1,016	4	0.4%
82.7%	1,001	1,013	12	1.2%
84.0%	1,001	1,012	10	1.0%
85.2%	997	1,011	14	1.5%
86.4%	996	1,004	7	0.7%
87.7%	996	1,000	4	0.4%
88.9%	993	1,000	7	0.7%
90.1%	985	995	10	1.1%
91.4%	948	974	26	2.7%
92.6%	947	964	17	1.8%
93.8%	929	945	16	1.8%
95.1%	927	940	14	1.5%
96.3%	923	940	17	1.9%
97.5%	914	933	18	2.0%
98.8%	907	919	12	1.4%
100.0%	870	885	16	1.8%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,053	0	0.0%
2.5%	1,053	1,052	-1	-0.1%
3.7%	1,053	1,052	-1	-0.1%
4.9%	1,053	1,052	-1	-0.1%
6.2%	1,053	1,051	-1	-0.1%
7.4%	1,051	1,051	-1	0.0%
8.6%	1,051	1,050	-1	-0.1%
9.9%	1,050	1,050	0	0.0%
11.1%	1,049	1,050	1	0.1%
12.3%	1,049	1,049	1	0.1%
13.6%	1,048	1,047	-1	-0.1%
14.8%	1,047	1,047	0	0.0%
16.0%	1,046	1,046	0	0.0%
17.3%	1,046	1,045	-1	-0.1%
18.5%	1,045	1,045	0	0.0%
19.8%	1,045	1,045	0	0.0%
21.0%	1,045	1,043	-2	-0.1%
22.2%	1,044	1,042	-2	-0.2%
23.5%	1,042	1,040	-2	-0.2%
24.7%	1,038	1,040	2	0.2%
25.9%	1,037	1,038	1	0.1%
27.2%	1,036	1,037	1	0.1%
28.4%	1,036	1,037	1	0.1%
29.6%	1,036	1,037	1	0.1%
30.9%	1,035	1,035	-1	-0.1%
32.1%	1,034	1,035	1	0.1%
33.3%	1,033	1,035	2	0.2%
34.6%	1,033	1,035	2	0.2%
35.8%	1,031	1,034	3	0.3%
37.0%	1,031	1,034	3	0.3%
38.3%	1,027	1,034	7	0.7%
39.5%	1,026	1,033	7	0.7%
40.7%	1,024	1,032	9	0.8%
42.0%	1,024	1,032	9	0.8%
43.2%	1,024	1,030	7	0.6%
44.4%	1,023	1,030	7	0.7%
45.7%	1,023	1,029	6	0.6%
46.9%	1,023	1,027	4	0.4%
48.1%	1,023	1,027	4	0.4%
49.4%	1,022	1,027	4	0.4%
50.6%	1,022	1,026	4	0.4%
51.9%	1,021	1,026	4	0.4%
53.1%	1,021	1,025	4	0.4%
54.3%	1,021	1,024	3	0.3%
55.6%	1,018	1,023	5	0.4%
56.8%	1,017	1,022	5	0.5%
58.0%	1,015	1,020	5	0.5%
59.3%	1,015	1,020	5	0.5%
60.5%	1,015	1,019	4	0.4%
61.7%	1,014	1,018	5	0.4%
63.0%	1,013	1,016	3	0.3%
64.2%	1,012	1,014	2	0.2%
65.4%	1,011	1,014	3	0.3%
66.7%	1,008	1,014	6	0.6%
67.9%	1,005	1,013	7	0.7%
69.1%	1,005	1,005	0	0.0%
70.4%	1,001	1,005	4	0.4%
71.6%	1,001	1,005	4	0.4%
72.8%	999	1,004	5	0.5%
74.1%	996	1,004	7	0.7%
75.3%	996	1,003	6	0.7%
76.5%	994	1,002	8	0.8%
77.8%	994	1,000	7	0.7%
79.0%	992	1,000	9	0.9%
80.2%	989	997	8	0.8%
81.5%	988	996	8	0.8%
82.7%	978	989	11	1.1%
84.0%	978	989	12	1.2%
85.2%	976	985	9	0.9%
86.4%	971	981	11	1.1%
87.7%	970	981	11	1.1%
88.9%	967	980	14	1.4%
90.1%	956	973	17	1.8%
91.4%	925	945	20	2.1%
92.6%	919	940	22	2.4%
93.8%	910	920	10	1.1%
95.1%	897	910	13	1.5%
96.3%	887	905	18	2.0%
97.5%	872	900	28	3.2%
98.8%	846	893	47	5.5%
100.0%	842	846	4	0.5%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,036	1,036	0	0.0%
3.7%	1,036	1,036	0	0.0%
4.9%	1,036	1,036	0	0.0%
6.2%	1,036	1,036	0	0.0%
7.4%	1,036	1,036	0	0.0%
8.6%	1,036	1,036	0	0.0%
9.9%	1,036	1,036	0	0.0%
11.1%	1,036	1,036	0	0.0%
12.3%	1,036	1,036	0	0.0%
13.6%	1,036	1,036	0	0.0%
14.8%	1,036	1,036	-1	-0.1%
16.0%	1,036	1,035	0	0.0%
17.3%	1,034	1,035	1	0.1%
18.5%	1,034	1,035	0	0.0%
19.8%	1,033	1,033	0	0.0%
21.0%	1,032	1,031	-1	-0.1%
22.2%	1,031	1,030	-1	-0.1%
23.5%	1,029	1,029	0	0.0%
24.7%	1,024	1,028	4	0.4%
25.9%	1,024	1,026	3	0.3%
27.2%	1,023	1,025	2	0.2%
28.4%	1,022	1,024	2	0.2%
29.6%	1,021	1,023	3	0.3%
30.9%	1,021	1,021	1	0.1%
32.1%	1,020	1,021	1	0.1%
33.3%	1,019	1,021	2	0.2%
34.6%	1,018	1,020	1	0.1%
35.8%	1,017	1,019	2	0.2%
37.0%	1,015	1,019	3	0.3%
38.3%	1,015	1,019	4	0.4%
39.5%	1,015	1,018	3	0.3%
40.7%	1,011	1,018	7	0.7%
42.0%	1,011	1,018	7	0.7%
43.2%	1,010	1,015	5	0.5%
44.4%	1,009	1,015	5	0.5%
45.7%	1,009	1,013	5	0.4%
46.9%	1,009	1,013	5	0.5%
48.1%	1,008	1,013	5	0.5%
49.4%	1,007	1,012	6	0.6%
50.6%	1,007	1,012	6	0.6%
51.9%	1,004	1,011	7	0.7%
53.1%	1,004	1,011	7	0.7%
54.3%	1,003	1,009	5	0.5%
55.6%	1,003	1,007	4	0.4%
56.8%	1,002	1,006	4	0.4%
58.0%	1,002	1,006	4	0.4%
59.3%	1,000	1,005	5	0.5%
60.5%	1,000	1,003	3	0.3%
61.7%	1,000	1,002	2	0.2%
63.0%	997	1,001	4	0.4%
64.2%	995	1,001	6	0.6%
65.4%	993	1,000	7	0.7%
66.7%	993	998	5	0.5%
67.9%	992	998	6	0.6%
69.1%	991	998	7	0.7%
70.4%	990	995	5	0.5%
71.6%	990	993	3	0.3%
72.8%	989	992	3	0.3%
74.1%	988	991	3	0.3%
75.3%	983	991	7	0.8%
76.5%	981	989	9	0.9%
77.8%	980	987	6	0.6%
79.0%	972	985	14	1.4%
80.2%	965	984	19	2.0%
81.5%	964	982	18	1.8%
82.7%	961	975	14	1.4%
84.0%	958	965	6	0.7%
85.2%	957	963	6	0.7%
86.4%	952	963	11	1.1%
87.7%	945	961	16	1.7%
88.9%	941	956	15	1.6%
90.1%	940	945	6	0.6%
91.4%	904	929	26	2.8%
92.6%	897	920	22	2.5%
93.8%	889	904	15	1.7%
95.1%	857	864	7	0.8%
96.3%	845	863	18	2.1%
97.5%	836	860	24	2.9%
98.8%	834	856	22	2.6%
100.0%	834	834	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,023	1,023	0	0.0%
4.9%	1,023	1,023	0	0.0%
6.2%	1,023	1,023	0	0.0%
7.4%	1,023	1,023	1	0.1%
8.6%	1,023	1,023	1	0.1%
9.9%	1,022	1,023	1	0.1%
11.1%	1,022	1,023	1	0.1%
12.3%	1,022	1,022	0	0.0%
13.6%	1,021	1,022	1	0.1%
14.8%	1,021	1,020	-1	-0.1%
16.0%	1,021	1,020	-1	-0.1%
17.3%	1,021	1,019	-1	-0.1%
18.5%	1,017	1,019	3	0.3%
19.8%	1,016	1,018	1	0.1%
21.0%	1,016	1,017	1	0.1%
22.2%	1,015	1,017	2	0.2%
23.5%	1,015	1,017	2	0.2%
24.7%	1,014	1,016	2	0.2%
25.9%	1,013	1,016	3	0.3%
27.2%	1,013	1,016	3	0.3%
28.4%	1,012	1,015	3	0.3%
29.6%	1,012	1,015	3	0.3%
30.9%	1,011	1,015	4	0.3%
32.1%	1,010	1,015	5	0.5%
33.3%	1,009	1,013	4	0.4%
34.6%	1,009	1,012	3	0.3%
35.8%	1,007	1,012	5	0.5%
37.0%	1,007	1,011	4	0.4%
38.3%	1,005	1,011	6	0.6%
39.5%	1,005	1,011	6	0.6%
40.7%	1,005	1,011	6	0.6%
42.0%	1,004	1,010	5	0.5%
43.2%	1,004	1,008	4	0.4%
44.4%	1,003	1,008	4	0.4%
45.7%	1,003	1,008	5	0.5%
46.9%	1,003	1,007	4	0.4%
48.1%	1,002	1,007	5	0.5%
49.4%	1,001	1,006	5	0.5%
50.6%	999	1,005	6	0.6%
51.9%	999	1,005	6	0.6%
53.1%	999	1,004	6	0.6%
54.3%	998	1,004	5	0.5%
55.6%	998	1,003	4	0.4%
56.8%	997	1,002	5	0.5%
58.0%	997	1,001	4	0.4%
59.3%	993	999	6	0.6%
60.5%	991	999	8	0.8%
61.7%	991	998	7	0.7%
63.0%	991	995	5	0.5%
64.2%	990	995	5	0.5%
65.4%	989	995	5	0.5%
66.7%	987	992	5	0.5%
67.9%	987	992	5	0.5%
69.1%	986	991	5	0.5%
70.4%	986	991	5	0.5%
71.6%	984	989	5	0.5%
72.8%	978	988	10	1.0%
74.1%	975	988	13	1.4%
75.3%	975	985	10	1.0%
76.5%	974	984	11	1.1%
77.8%	969	983	14	1.5%
79.0%	969	981	12	1.2%
80.2%	969	979	10	1.0%
81.5%	961	973	12	1.2%
82.7%	961	971	11	1.1%
84.0%	959	964	5	0.6%
85.2%	952	958	6	0.7%
86.4%	950	956	5	0.6%
87.7%	933	956	22	2.4%
88.9%	933	950	18	1.9%
90.1%	932	939	6	0.7%
91.4%	895	923	28	3.2%
92.6%	879	917	38	4.3%
93.8%	879	895	17	1.9%
95.1%	845	852	7	0.8%
96.3%	837	846	9	1.0%
97.5%	834	846	12	1.4%
98.8%	834	846	12	1.4%
100.0%	834	829	-5	-0.6%

Table SW-09-5a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative B	20,541	20,401	21,100	22,520	23,862	25,739	27,231	27,460	26,105	23,731	21,957	20,996
Difference	569	480	249	147	-8	92	237	356	490	563	569	611
Percent Difference[3]	2.8%	2.4%	1.2%	0.7%	0.0%	0.4%	0.9%	1.3%	1.9%	2.4%	2.7%	3.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative B	22,990	22,445	23,024	24,850	25,854	26,952	29,027	29,701	28,865	27,012	25,468	23,542
Difference	132	164	-87	35	-82	-14	39	42	16	41	104	234
Percent Difference	0.6%	0.7%	-0.4%	0.1%	-0.3%	-0.1%	0.1%	0.1%	0.1%	0.2%	0.4%	1.0%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative B	22,730	22,251	22,797	23,171	24,533	27,357	29,359	29,687	28,294	25,664	23,922	23,199
Difference	398	275	-100	-28	-200	-43	9	9	159	189	264	418
Percent Difference	1.8%	1.3%	-0.4%	-0.1%	-0.8%	-0.2%	0.0%	0.0%	0.6%	0.7%	1.1%	1.8%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative B	22,077	22,291	22,490	22,098	23,902	25,962	27,883	28,191	26,889	24,409	22,677	22,294
Difference	332	134	-121	-87	-213	-87	38	198	392	489	543	467
Percent Difference	1.5%	0.6%	-0.5%	-0.4%	-0.9%	-0.3%	0.1%	0.7%	1.5%	2.0%	2.5%	2.1%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative B	19,958	20,235	21,378	21,743	23,485	26,055	26,982	26,792	25,185	22,557	20,715	20,333
Difference	1,147	939	703	217	2	163	372	573	865	924	982	1,013
Percent Difference	6.1%	4.9%	3.4%	1.0%	0.0%	0.6%	1.4%	2.2%	3.6%	4.3%	5.0%	5.2%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative B	12,127	12,167	13,193	18,481	19,393	20,756	20,824	20,529	18,397	15,659	13,409	12,756
Difference	1,097	1,087	1,077	733	572	559	920	1,240	1,402	1,612	1,293	1,184
Percent Difference	9.9%	9.8%	8.9%	4.1%	3.0%	2.8%	4.6%	6.4%	8.3%	11.5%	10.7%	10.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

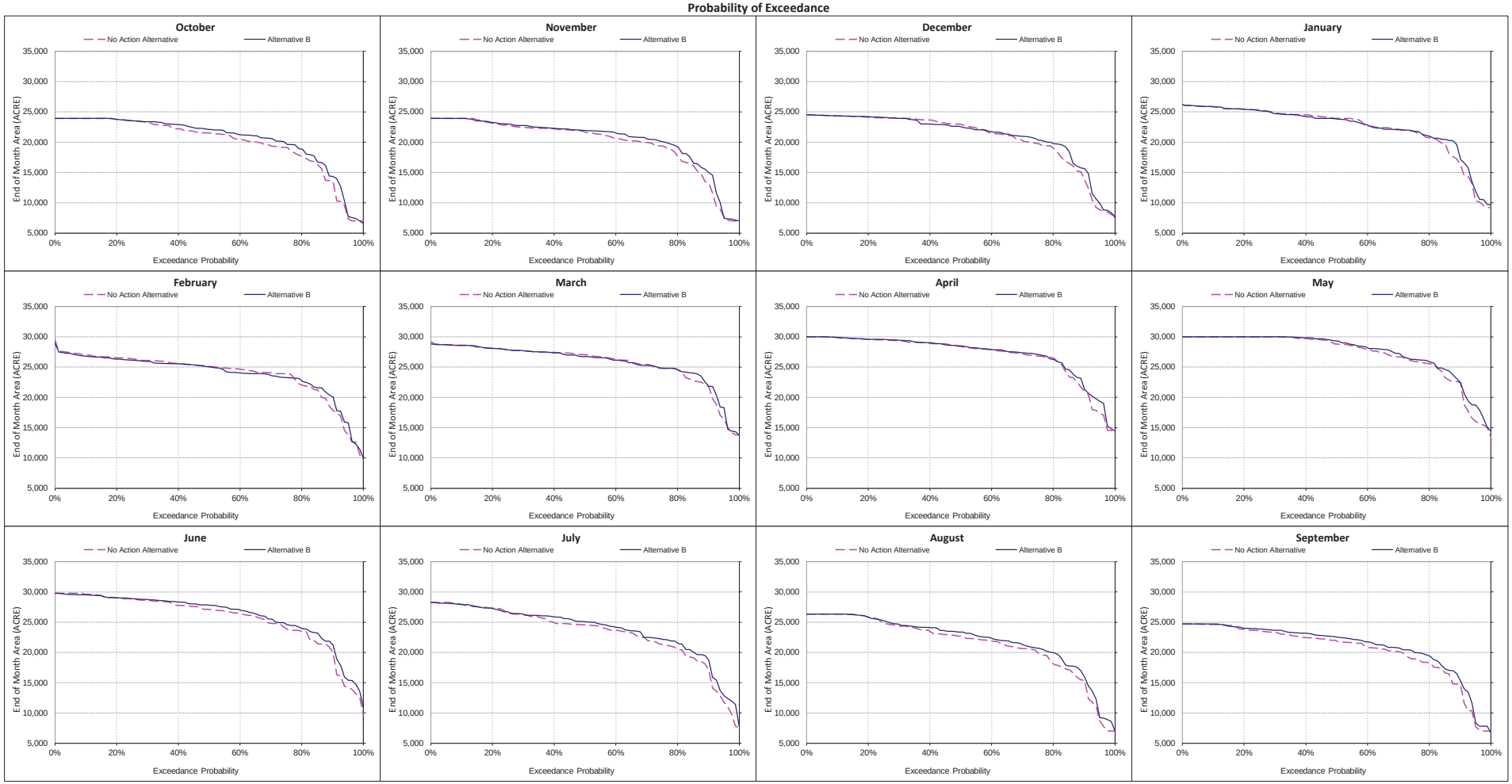

Table SW-09-5b

Shasta Lake, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,927	0	0.0%
8.6%	23,927	23,927	0	0.0%
9.9%	23,927	23,927	0	0.0%
11.1%	23,927	23,927	0	0.0%
12.3%	23,927	23,927	0	0.0%
13.6%	23,927	23,927	0	0.0%
14.8%	23,927	23,927	0	0.0%
16.0%	23,927	23,927	0	0.0%
17.3%	23,927	23,919	-8	0.0%
18.5%	23,927	23,893	-33	-0.1%
19.8%	23,751	23,807	56	0.2%
21.0%	23,712	23,746	34	0.1%
22.2%	23,705	23,627	-78	-0.3%
23.5%	23,649	23,572	-77	-0.3%
24.7%	23,583	23,538	-46	-0.2%
25.9%	23,572	23,523	-50	-0.2%
27.2%	23,514	23,427	-87	-0.4%
28.4%	23,447	23,406	-41	-0.2%
29.6%	23,240	23,393	153	0.7%
30.9%	23,179	23,391	213	0.9%
32.1%	22,915	23,386	471	2.1%
33.3%	22,887	23,310	423	1.9%
34.6%	22,846	23,268	423	1.8%
35.8%	22,765	23,061	296	1.3%
37.0%	22,747	22,997	250	1.1%
38.3%	22,304	22,959	655	2.9%
39.5%	22,223	22,914	691	3.1%
40.7%	22,222	22,877	656	3.0%
42.0%	21,904	22,808	905	4.1%
43.2%	21,876	22,583	707	3.2%
44.4%	21,858	22,447	590	2.7%
45.7%	21,653	22,305	651	3.0%
46.9%	21,586	22,282	695	3.2%
48.1%	21,545	22,268	722	3.4%
49.4%	21,542	22,130	588	2.7%
50.6%	21,500	22,099	599	2.8%
51.9%	21,392	22,009	617	2.9%
53.1%	21,359	22,005	647	3.0%
54.3%	21,300	21,988	688	3.2%
55.6%	21,300	21,607	307	1.4%
56.8%	21,038	21,531	494	2.3%
58.0%	20,572	21,485	913	4.4%
59.3%	20,507	21,284	777	3.8%
60.5%	20,445	21,220	775	3.8%
61.7%	20,290	21,159	869	4.3%
63.0%	20,132	21,150	1,018	5.1%
64.2%	20,118	21,072	954	4.7%
65.4%	19,999	21,043	1,043	5.2%
66.7%	19,926	20,737	811	4.1%
67.9%	19,624	20,705	1,081	5.5%
69.1%	19,584	20,660	1,076	5.5%
70.4%	19,332	20,569	1,237	6.4%
71.6%	19,306	20,194	888	4.6%
72.8%	19,175	20,156	980	5.1%
74.1%	19,175	20,106	931	4.9%
75.3%	19,134	19,636	503	2.6%
76.5%	18,569	19,623	1,055	5.7%
77.8%	18,176	19,576	1,400	7.7%
79.0%	17,868	18,964	1,097	6.1%
80.2%	17,645	18,813	1,168	6.6%
81.5%	17,279	18,019	740	4.3%
82.7%	16,917	17,950	1,033	6.1%
84.0%	16,784	17,723	939	5.6%
85.2%	16,267	16,694	427	2.6%
86.4%	15,617	16,652	1,035	6.6%
87.7%	13,729	16,174	2,444	17.8%
88.9%	13,662	14,417	756	5.5%
90.1%	13,495	14,345	850	6.3%
91.4%	10,270	13,982	3,712	36.1%
92.6%	10,218	12,648	2,429	23.8%
93.8%	9,580	10,314	734	7.7%
95.1%	7,356	7,712	356	4.8%
96.3%	7,002	7,549	547	7.8%
97.5%	7,002	7,379	378	5.4%
98.8%	7,002	7,002	0	0.0%
100.0%	7,002	6,590	-412	-5.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,937	0	0.0%
11.1%	23,937	23,895	-43	-0.2%
12.3%	23,937	23,880	-57	-0.2%
13.6%	23,937	23,750	-188	-0.8%
14.8%	23,732	23,525	-207	-0.9%
16.0%	23,626	23,509	-117	-0.5%
17.3%	23,409	23,460	51	0.2%
18.5%	23,244	23,431	187	0.8%
19.8%	23,177	23,262	85	0.4%
21.0%	23,130	23,216	86	0.4%
22.2%	22,919	23,102	183	0.8%
23.5%	22,851	23,040	189	0.8%
24.7%	22,836	23,008	172	0.8%
25.9%	22,695	22,967	271	1.2%
27.2%	22,599	22,793	194	0.9%
28.4%	22,525	22,760	235	1.0%
29.6%	22,520	22,748	228	1.0%
30.9%	22,411	22,744	332	1.5%
32.1%	22,391	22,629	238	1.1%
33.3%	22,346	22,522	176	0.8%
34.6%	22,344	22,487	143	0.6%
35.8%	22,306	22,438	132	0.6%
37.0%	22,297	22,414	117	0.5%
38.3%	22,283	22,352	69	0.3%
39.5%	22,234	22,311	77	0.3%
40.7%	22,153	22,255	101	0.5%
42.0%	22,094	22,226	131	0.6%
43.2%	22,084	22,217	133	0.6%
44.4%	22,024	22,164	140	0.6%
45.7%	21,990	22,061	71	0.3%
46.9%	21,942	22,039	97	0.4%
48.1%	21,921	21,995	74	0.3%
49.4%	21,783	21,960	177	0.8%
50.6%	21,584	21,948	364	1.7%
51.9%	21,567	21,897	330	1.5%
53.1%	21,418	21,852	434	2.0%
54.3%	21,331	21,822	491	2.3%
55.6%	21,314	21,807	493	2.3%
56.8%	21,068	21,780	711	3.4%
58.0%	20,969	21,695	726	3.5%
59.3%	20,720	21,670	951	4.6%
60.5%	20,615	21,422	808	3.9%
61.7%	20,500	21,372	872	4.3%
63.0%	20,347	21,319	973	4.8%
64.2%	20,260	20,930	671	3.3%
65.4%	20,215	20,856	641	3.2%
66.7%	20,214	20,823	609	3.0%
67.9%	20,070	20,806	736	3.7%
69.1%	19,985	20,805	820	4.1%
70.4%	19,935	20,502	568	2.8%
71.6%	19,838	20,472	634	3.2%
72.8%	19,415	20,408	993	5.1%
74.1%	19,404	20,197	793	4.1%
75.3%	19,385	20,078	693	3.6%
76.5%	19,041	19,904	864	4.5%
77.8%	18,832	19,702	870	4.6%
79.0%	18,416	19,490	1,074	5.8%
80.2%	17,489	19,174	1,686	9.6%
81.5%	16,868	18,163	1,295	7.7%
82.7%	16,634	18,119	1,485	8.9%
84.0%	16,529	17,597	1,069	6.5%
85.2%	16,098	16,508	410	2.5%
86.4%	15,225	16,441	1,216	8.0%
87.7%	14,745	15,847	1,102	7.5%
88.9%	13,502	15,569	2,068	15.3%
90.1%	13,207	14,977	1,770	13.4%
91.4%	11,571	14,555	2,985	25.8%
92.6%	9,329	11,563	2,234	23.9%
93.8%	8,874	10,014	1,140	12.8%
95.1%	7,685	7,426	-259	-3.4%
96.3%	7,146	7,347	200	2.8%
97.5%	7,018	7,291	273	3.9%
98.8%	7,002	7,130	129	1.8%
100.0%	7,002	7,002	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,552	24,514	-37	-0.2%
1.2%	24,514	24,514	0	0.0%
2.5%	24,461	24,455	-5	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,455	24,439	-16	-0.1%
6.2%	24,439	24,397	-43	-0.2%
7.4%	24,397	24,396	-1	0.0%
8.6%	24,381	24,381	0	0.0%
9.9%	24,356	24,343	-12	-0.1%
11.1%	24,343	24,313	-30	-0.1%
12.3%	24,311	24,311	0	0.0%
13.6%	24,295	24,295	0	0.0%
14.8%	24,284	24,284	0	0.0%
16.0%	24,279	24,279	0	0.0%
17.3%	24,247	24,248	1	0.0%
18.5%	24,180	24,247	67	0.3%
19.8%	24,156	24,226	69	0.3%
21.0%	24,114	24,203	89	0.4%
22.2%	24,065	24,156	91	0.4%
23.5%	24,054	24,147	93	0.4%
24.7%	24,018	24,114	96	0.4%
25.9%	24,017	24,065	48	0.2%
27.2%	24,007	24,017	11	0.0%
28.4%	23,992	24,007	15	0.1%
29.6%	23,938	23,938	0	0.0%
30.9%	23,937	23,937	0	0.0%
32.1%	23,937	23,937	0	0.0%
33.3%	23,921	23,765	-156	-0.7%
34.6%	23,887	23,724	-163	-0.7%
35.8%	23,825	23,612	-212	-0.9%
37.0%	23,734	23,031	-703	-3.0%
38.3%	23,694	23,030	-664	-2.8%
39.5%	23,682	23,006	-676	-2.9%
40.7%	23,627	22,968	-658	-2.8%
42.0%	23,486	22,941	-545	-2.3%
43.2%	23,249	22,932	-317	-1.4%
44.4%	23,198	22,905	-293	-1.3%
45.7%	23,055	22,862	-194	-0.8%
46.9%	23,038	22,638	-400	-1.7%
48.1%	23,017	22,627	-390	-1.7%
49.4%	23,006	22,626	-381	-1.7%
50.6%	22,890	22,448	-442	-1.9%
51.9%	22,618	22,342	-276	-1.2%
53.1%	22,542	22,306	-237	-1.0%
54.3%	22,480	22,102	-378	-1.7%
55.6%	22,268	22,053	-215	-1.0%
56.8%	22,170	22,042	-128	-0.6%
58.0%	21,863	21,992	129	0.6%
59.3%	21,545	21,805	259	1.2%
60.5%	21,478	21,670	192	0.9%
61.7%	21,387	21,659	272	1.3%
63.0%	21,365	21,578	213	1.0%
64.2%	21,199	21,386	188	0.9%
65.4%	21,140	21,355	215	1.0%
66.7%	21,051	21,117	65	0.3%
67.9%	20,588	21,104	516	2.5%
69.1%	20,552	20,997	445	2.2%
70.4%	20,107	20,960	853	4.2%
71.6%	20,071	20,918	847	4.2%
72.8%	19,890	20,795	905	4.6%
74.1%	19,828	20,639	811	4.1%
75.3%	19,732	20,339	607	3.1%
76.5%	19,407	20,227	819	4.2%
77.8%	19,403	20,019	616	3.2%
79.0%	19,394	19,980	586	3.0%
80.2%	18,910	19,749	840	4.4%
81.5%	18,234	19,691	1,457	8.0%
82.7%	17,431	19,592	2,162	12.4%
84.0%	16,806	19,246	2,440	14.5%
85.2%	16,478	18,394	1,916	11.6%
86.4%	16,058	16,468	410	2.6%
87.7%	15,251	16,064	813	5.3%
88.9%	15,129	15,756	626	4.1%
90.1%	13,789	15,660	1,871	13.6%
91.4%	12,387	14,842	2,455	19.8%
92.6%	10,483	11,539	1,055	10.1%
93.8%	9,243	10,644	1,402	15.2%
95.1%	8,852	9,927	1,074	12.1%
96.3%	8,637	8,800	163	1.9%
97.5%	8,457	8,769	312	3.7%
98.8%	8,071	8,365	295	3.7%
100.0%	7,967	7,542	-425	-5.3%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,215	26,160	-56	-0.2%
1.2%	26,063	26,063	0	0.0%
2.5%	26,053	26,053	0	0.0%
3.7%	26,011	26,011	0	0.0%
4.9%	25,972	25,925	-48	-0.2%
6.2%	25,926	25,914	-12	0.0%
7.4%	25,925	25,910	-14	-0.1%
8.6%	25,914	25,882	-32	-0.1%
9.9%	25,882	25,874	-8	0.0%
11.1%	25,818	25,836	19	0.1%
12.3%	25,640	25,818	177	0.7%
13.6%	25,551	25,598	47	0.2%
14.8%	25,540	25,540	0	0.0%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,535	0	0.0%
18.5%	25,527	25,481	-46	-0.2%
19.8%	25,481	25,428	-53	-0.2%
21.0%	25,428	25,412	-16	-0.1%
22.2%	25,412	25,343	-68	-0.3%
23.5%	25,343	25,342	-1	0.0%
24.7%	25,342	25,243	-99	-0.4%
25.9%	25,206	25,164	-42	-0.2%
27.2%	25,128	25,164	36	0.1%
28.4%	25,056	24,977	-79	-0.3%
29.6%	24,969	24,728	-241	-1.0%
30.9%	24,750	24,669	-80	-0.3%
32.1%	24,679	24,658	-21	-0.1%
33.3%	24,669	24,573	-96	-0.4%
34.6%	24,634	24,557	-77	-0.3%
35.8%	24,573	24,546	-27	-0.1%
37.0%	24,557	24,504	-53	-0.2%
38.3%	24,546	24,399	-147	-0.6%
39.5%	24,505	24,284	-221	-0.9%
40.7%	24,504	24,188	-316	-1.3%
42.0%	24,399	24,175	-224	-0.9%
43.2%	24,334	23,938	-396	-1.6%
44.4%	24,284	23,938	-347	-1.4%
45.7%	24,174	23,937	-237	-1.0%
46.9%	24,121	23,937	-183	-0.8%
48.1%	24,061	23,937	-123	-0.5%
49.4%	23,938	23,908	-29	-0.1%
50.6%	23,938	23,790	-147	-0.6%
51.9%	23,937	23,781	-156	-0.7%
53.1%	23,937	23,704	-233	-1.0%
54.3%	23,937	23,491	-446	-1.9%
55.6%	23,807	23,466	-341	-1.4%
56.8%	23,787	23,299	-487	-2.0%
58.0%	23,384	23,108	-276	-1.2%
59.3%	22,694	22,971	277	1.2%
60.5%	22,684	22,730	46	0.2%
61.7%	22,583	22,462	-121	-0.5%
63.0%	22,484	22,359	-125	-0.6%
64.2%	22,461	22,334	-127	-0.6%
65.4%	22,411	22,133	-278	-1.2%
66.7%	22,378	22,132	-246	-1.1%
67.9%	22,258	22,126	-133	-0.6%
69.1%	22,184	22,107	-77	-0.3%
70.4%	22,124	22,064	-60	-0.3%
71.6%	22,024	22,011	-12	-0.1%
72.8%	22,001	21,999	-2	0.0%
74.1%	21,934	21,933	-1	0.0%
75.3%	21,714	21,806	92	0.4%
76.5%	21,466	21,754	288	1.3%
77.8%	21,252	21,305	52	0.2%
79.0%	20,785	21,107	322	1.6%
80.2%	20,753	20,964	211	1.0%
81.5%	20,693	20,656	-37	-0.2%
82.7%	20,327	20,655	327	1.6%
84.0%	19,862	20,504	642	3.2%
85.2%	19,767	20,456	689	3.5%
86.4%	18,091	20,276	2,185	12.1%
87.7%	17,646	20,250	2,604	14.8%
88.9%	17,282	19,606	2,323	13.4%
90.1%	16,310	17,132	823	5.0%
91.4%	14,444	16,563	2,119	14.7%
92.6%	14,361	15,771	1,409	9.8%
93.8%	13,245	13,475	230	1.7%
95.1%	10,267	11,821	1,553	15.1%
96.3%	10,157	10,562	405	4.0%
97.5%	9,584	10,517	933	9.7%
98.8%	9,316	9,732	417	4.5%
100.0%	9,137	9,658	521	5.7%

Table SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	28,963	-527	-1.8%
1.2%	27,607	27,483	-123	-0.4%
2.5%	27,571	27,391	-179	-0.7%
3.7%	27,482	27,288	-193	-0.7%
4.9%	27,391	27,262	-129	-0.5%
6.2%	27,288	27,070	-218	-0.8%
7.4%	27,262	26,979	-283	-1.0%
8.6%	27,103	26,860	-243	-0.9%
9.9%	26,979	26,830	-149	-0.6%
11.1%	26,979	26,748	-231	-0.9%
12.3%	26,796	26,677	-119	-0.4%
13.6%	26,748	26,675	-73	-0.3%
14.8%	26,717	26,651	-66	-0.2%
16.0%	26,675	26,527	-148	-0.6%
17.3%	26,674	26,512	-162	-0.6%
18.5%	26,651	26,382	-269	-1.0%
19.8%	26,527	26,330	-196	-0.7%
21.0%	26,512	26,298	-213	-0.8%
22.2%	26,505	26,252	-253	-1.0%
23.5%	26,489	26,197	-292	-1.1%
24.7%	26,400	26,162	-239	-0.9%
25.9%	26,298	26,122	-176	-0.7%
27.2%	26,197	26,085	-112	-0.4%
28.4%	26,122	25,989	-134	-0.5%
29.6%	26,085	25,951	-134	-0.5%
30.9%	26,085	25,936	-148	-0.6%
32.1%	26,047	25,684	-364	-1.4%
33.3%	26,022	25,634	-388	-1.5%
34.6%	25,989	25,620	-369	-1.4%
35.8%	25,988	25,590	-398	-1.5%
37.0%	25,778	25,583	-195	-0.8%
38.3%	25,634	25,566	-68	-0.3%
39.5%	25,620	25,565	-55	-0.2%
40.7%	25,583	25,539	-43	-0.2%
42.0%	25,453	25,519	66	0.3%
43.2%	25,422	25,422	0	0.0%
44.4%	25,348	25,374	27	0.1%
45.7%	25,343	25,348	5	0.0%
46.9%	25,279	25,279	0	0.0%
48.1%	25,270	25,155	-114	-0.5%
49.4%	25,155	25,059	-96	-0.4%
50.6%	25,100	24,959	-141	-0.6%
51.9%	25,059	24,893	-166	-0.7%
53.1%	24,893	24,851	-43	-0.2%
54.3%	24,851	24,627	-224	-0.9%
55.6%	24,836	24,230	-607	-2.4%
56.8%	24,783	24,151	-632	-2.5%
58.0%	24,740	24,130	-610	-2.5%
59.3%	24,711	24,095	-616	-2.5%
60.5%	24,582	24,012	-569	-2.3%
61.7%	24,566	23,938	-628	-2.6%
63.0%	24,415	23,937	-478	-2.0%
64.2%	24,339	23,937	-402	-1.7%
65.4%	24,151	23,937	-214	-0.9%
66.7%	24,131	23,928	-203	-0.8%
67.9%	24,130	23,909	-220	-0.9%
69.1%	24,095	23,790	-305	-1.3%
70.4%	24,047	23,564	-483	-2.0%
71.6%	23,938	23,507	-431	-1.8%
72.8%	23,937	23,350	-588	-2.5%
74.1%	23,937	23,312	-625	-2.6%
75.3%	23,937	23,246	-692	-2.9%
76.5%	23,752	23,215	-537	-2.3%
77.8%	22,982	23,159	177	0.8%
79.0%	22,256	23,132	877	3.9%
80.2%	22,005	22,625	621	2.8%
81.5%	21,840	22,459	619	2.8%
82.7%	21,815	22,216	401	1.8%
84.0%	21,272	21,714	442	2.1%
85.2%	21,232	21,586	354	1.7%
86.4%	19,969	21,584	1,615	8.1%
87.7%	19,866	20,924	1,058	5.3%
88.9%	18,551	20,412	1,861	10.0%
90.1%	17,794	20,059	2,265	12.7%
91.4%	17,560	17,776	215	1.2%
92.6%	16,910	17,732	822	4.9%
93.8%	14,547	15,943	1,396	9.6%
95.1%	13,783	15,798	2,015	14.6%
96.3%	12,620	12,772	152	1.2%
97.5%	12,598	12,290	-309	-2.4%
98.8%	10,583	11,454	872	8.2%
100.0%	9,614	9,956	342	3.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,239	28,833	-406	-1.4%
1.2%	28,833	28,739	-94	-0.3%
2.5%	28,803	28,715	-88	-0.3%
3.7%	28,730	28,700	-30	-0.1%
4.9%	28,715	28,687	-28	-0.1%
6.2%	28,700	28,614	-86	-0.3%
7.4%	28,687	28,603	-84	-0.3%
8.6%	28,614	28,601	-13	0.0%
9.9%	28,603	28,584	-19	-0.1%
11.1%	28,601	28,580	-21	-0.1%
12.3%	28,584	28,573	-10	0.0%
13.6%	28,580	28,484	-96	-0.3%
14.8%	28,484	28,326	-158	-0.6%
16.0%	28,326	28,314	-12	0.0%
17.3%	28,185	28,185	0	0.0%
18.5%	28,163	28,138	-25	-0.1%
19.8%	28,138	28,086	-51	-0.2%
21.0%	28,086	28,082	-4	0.0%
22.2%	28,082	28,044	-38	-0.1%
23.5%	28,001	27,936	-65	-0.2%
24.7%	27,936	27,882	-54	-0.2%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,723	27,723	0	0.0%
30.9%	27,674	27,674	0	0.0%
32.1%	27,631	27,631	0	0.0%
33.3%	27,546	27,546	0	0.0%
34.6%	27,527	27,527	0	0.0%
35.8%	27,501	27,501	0	0.0%
37.0%	27,481	27,481	0	0.0%
38.3%	27,444	27,430	-15	-0.1%
39.5%	27,430	27,374	-56	-0.2%
40.7%	27,387	27,374	-13	0.0%
42.0%	27,374	27,325	-49	-0.2%
43.2%	27,374	27,086	-287	-1.1%
44.4%	27,317	26,996	-321	-1.2%
45.7%	27,279	26,974	-306	-1.1%
46.9%	27,166	26,969	-197	-0.7%
48.1%	27,093	26,788	-304	-1.1%
49.4%	27,086	26,752	-335	-1.2%
50.6%	27,025	26,744	-281	-1.0%
51.9%	26,953	26,683	-271	-1.0%
53.1%	26,761	26,584	-177	-0.7%
54.3%	26,752	26,551	-201	-0.8%
55.6%	26,679	26,523	-156	-0.6%
56.8%	26,584	26,510	-74	-0.3%
58.0%	26,483	26,321	-162	-0.6%
59.3%	26,345	26,155	-190	-0.7%
60.5%	26,267	26,151	-116	-0.4%
61.7%	26,160	26,047	-113	-0.4%
63.0%	26,153	26,013	-140	-0.5%
64.2%	26,103	25,734	-369	-1.4%
65.4%	25,738	25,727	-11	0.0%
66.7%	25,626	25,444	-182	-0.7%
67.9%	25,492	25,308	-183	-0.7%
69.1%	25,475	25,283	-193	-0.8%
70.4%	25,444	25,266	-178	-0.7%
71.6%	25,283	25,233	-49	-0.2%
72.8%	24,915	25,109	194	0.8%
74.1%	24,816	24,915	99	0.4%
75.3%	24,813	24,816	3	0.0%
76.5%	24,813	24,813	0	0.0%
77.8%	24,813	24,813	0	0.0%
79.0%	24,777	24,813	36	0.1%
80.2%	24,509	24,527	19	0.1%
81.5%	24,054	24,219	165	0.7%
82.7%	23,193	24,175	982	4.2%
84.0%	23,052	24,040	988	4.3%
85.2%	22,689	24,012	1,323	5.8%
86.4%	22,625	23,865	1,240	5.5%
87.7%	22,509	23,513	1,004	4.5%
88.9%	22,119	22,567	448	2.0%
90.1%	21,730	21,846	115	0.5%
91.4%	19,789	21,777	1,987	10.0%
92.6%	18,797	20,373	1,576	8.4%
93.8%	17,021	18,411	1,389	8.2%
95.1%	16,417	18,340	1,923	11.7%
96.3%	15,034	14,726	-308	-2.1%
97.5%	14,218	14,411	193	1.4%
98.8%	13,836	14,343	506	3.7%
100.0%	13,771	13,750	-21	-0.1%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	29,974	29,997	23	0.1%
8.6%	29,953	29,974	20	0.1%
9.9%	29,872	29,932	60	0.2%
11.1%	29,788	29,852	65	0.2%
12.3%	29,776	29,805	28	0.1%
13.6%	29,771	29,776	5	0.0%
14.8%	29,725	29,769	43	0.1%
16.0%	29,686	29,769	82	0.3%
17.3%	29,649	29,724	75	0.3%
18.5%	29,607	29,686	79	0.3%
19.8%	29,588	29,599	11	0.0%
21.0%	29,568	29,588	20	0.1%
22.2%	29,528	29,588	60	0.2%
23.5%	29,512	29,572	59	0.2%
24.7%	29,493	29,568	75	0.3%
25.9%	29,484	29,542	58	0.2%
27.2%	29,426	29,520	94	0.3%
28.4%	29,424	29,493	69	0.2%
29.6%	29,338	29,465	127	0.4%
30.9%	29,328	29,413	85	0.3%
32.1%	29,261	29,368	107	0.4%
33.3%	29,096	29,367	271	0.9%
34.6%	29,065	29,191	127	0.4%
35.8%	29,058	29,132	74	0.3%
37.0%	29,055	29,096	41	0.1%
38.3%	29,042	29,042	0	0.0%
39.5%	28,988	29,027	39	0.1%
40.7%	28,885	28,984	100	0.3%
42.0%	28,876	28,876	0	0.0%
43.2%	28,871	28,871	0	0.0%
44.4%	28,871	28,729	-142	-0.5%
45.7%	28,795	28,604	-191	-0.7%
46.9%	28,617	28,592	-25	-0.1%
48.1%	28,561	28,561	0	0.0%
49.4%	28,389	28,537	149	0.5%
50.6%	28,374	28,449	76	0.3%
51.9%	28,219	28,374	154	0.5%
53.1%	28,194	28,219	25	0.1%
54.3%	28,080	28,194	114	0.4%
55.6%	28,035	28,149	115	0.4%
56.8%	27,997	28,055	58	0.2%
58.0%	27,949	28,035	86	0.3%
59.3%	27,904	27,949	45	0.2%
60.5%	27,880	27,882	2	0.0%
61.7%	27,693	27,880	187	0.7%
63.0%	27,634	27,857	223	0.8%
64.2%	27,589	27,714	125	0.5%
65.4%	27,426	27,534	108	0.4%
66.7%	27,389	27,524	135	0.5%
67.9%	27,324	27,474	150	0.5%
69.1%	27,284	27,418	134	0.5%
70.4%	27,151	27,366	215	0.8%
71.6%	26,990	27,275	285	1.1%
72.8%	26,957	27,264	307	1.1%
74.1%	26,855	27,170	315	1.2%
75.3%	26,827	27,060	234	0.9%
76.5%	26,754	26,896	142	0.5%
77.8%	26,610	26,839	228	0.9%
79.0%	26,595	26,355	-240	-0.9%
80.2%	26,446	26,248	-197	-0.7%
81.5%	25,860	25,879	19	0.1%
82.7%	25,396	25,726	330	1.3%
84.0%	24,227	24,693	466	1.9%
85.2%	23,379	24,539	1,161	5.0%
86.4%	23,268	23,844	576	2.5%
87.7%	22,544	23,304	760	3.4%
88.9%	21,709	23,183	1,473	6.8%
90.1%	20,985	21,314	329	1.6%
91.4%	20,446	20,719	273	1.3%
92.6%	17,962	20,198	2,236	12.4%
93.8%	17,874	19,791	1,918	10.7%
95.1%	17,420	19,348	1,928	11.1%
96.3%	17,007	19,025	2,018	11.9%
97.5%	14,594	15,263	669	4.6%
98.8%	14,564	14,854	290	2.0%
100.0%	14,219	14,458	240	1.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	30,000	0	0.0%
19.8%	30,000	30,000	0	0.0%
21.0%	30,000	30,000	0	0.0%
22.2%	30,000	30,000	0	0.0%
23.5%	30,000	30,000	0	0.0%
24.7%	30,000	30,000	0	0.0%
25.9%	30,000	30,000	0	0.0%
27.2%	30,000	30,000	0	0.0%
28.4%	30,000	30,000	0	0.0%
29.6%	30,000	30,000	0	0.0%
30.9%	30,000	30,000	0	0.0%
32.1%	30,000	30,000	0	0.0%
33.3%	30,000	29,987	-13	0.0%
34.6%	29,959	29,962	3	0.0%
35.8%	29,899	29,952	54	0.2%
37.0%	29,755	29,919	163	0.5%
38.3%	29,753	29,861	108	0.4%
39.5%	29,720	29,843	123	0.4%
40.7%	29,700	29,832	132	0.4%
42.0%	29,596	29,824	227	0.8%
43.2%	29,563	29,682	119	0.4%
44.4%	29,518	29,670	152	0.5%
45.7%	29,472	29,662	190	0.6%
46.9%	29,454	29,554	100	0.3%
48.1%	29,166	29,449	283	1.0%
49.4%	28,826	29,326	501	1.7%
50.6%	28,768	29,309	541	1.9%
51.9%	28,741	28,991	250	0.9%
53.1%	28,737	28,985	248	0.9%
54.3%	28,593	28,773	179	0.6%
55.6%	28,584	28,716	132	0.5%
56.8%	28,295	28,480	185	0.7%
58.0%	28,205	28,437	231	0.8%
59.3%	27,982	28,356	374	1.3%
60.5%	27,972	28,094	122	0.4%
61.7%	27,648	28,090	442	1.6%
63.0%	27,636	28,037	401	1.4%
64.2%	27,379	27,949	570	2.1%
65.4%	27,346	27,892	546	2.0%
66.7%	27,025	27,877	851	3.1%
67.9%	26,831	27,588	757	2.8%
69.1%	26,708	27,296	588	2.2%
70.4%	26,679	27,251	572	2.1%
71.6%	26,595	26,716	121	0.5%
72.8%	26,403	26,468	65	0.2%
74.1%	26,049	26,284	234	0.9%
75.3%	25,933	26,257	324	1.2%
76.5%	25,913	26,193	280	1.1%
77.8%	25,737	26,151	413	1.6%
79.0%	25,652	26,112	460	1.8%
80.2%	25,567	25,873	306	1.2%
81.5%	25,387	25,629	242	1.0%
82.7%	24,762	24,871	109	0.4%
84.0%	24,332	24,837	504	2.1%
85.2%	23,256	24,620	1,363	5.9%
86.4%	22,851	24,356	1,505	6.6%
87.7%	22,655	23,736	1,081	4.8%
88.9%	22,620	23,097	477	2.1%
90.1%	22,458	22,406	-52	-0.2%
91.4%	18,801	20,597	1,796	9.6%
92.6%	17,737	19,425	1,688	9.5%
93.8%	16,595	18,775	2,180	13.1%
95.1%	16,054	18,748	2,694	16.8%
96.3%	15,680	17,886	2,206	14.1%
97.5%	15,482	16,611	1,129	7.3%
98.8%	15,148	15,036	-112	-0.7%
100.0%	13,413	14,438	1,025	7.6%

Table SW-09-5b
Shasta Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,718	-58	-0.2%
3.7%	29,776	29,626	-150	-0.5%
4.9%	29,776	29,593	-184	-0.6%
6.2%	29,776	29,592	-185	-0.6%
7.4%	29,776	29,541	-235	-0.8%
8.6%	29,776	29,538	-239	-0.8%
9.9%	29,626	29,533	-93	-0.3%
11.1%	29,626	29,484	-142	-0.5%
12.3%	29,619	29,447	-172	-0.6%
13.6%	29,516	29,409	-107	-0.4%
14.8%	29,433	29,397	-36	-0.1%
16.0%	29,129	29,186	57	0.2%
17.3%	29,125	29,074	-52	-0.2%
18.5%	29,096	29,050	-45	-0.2%
19.8%	29,084	29,013	-71	-0.2%
21.0%	29,057	29,009	-48	-0.2%
22.2%	29,041	28,912	-129	-0.4%
23.5%	28,994	28,910	-85	-0.3%
24.7%	28,864	28,901	37	0.1%
25.9%	28,801	28,862	61	0.2%
27.2%	28,678	28,826	148	0.5%
28.4%	28,651	28,796	145	0.5%
29.6%	28,601	28,765	165	0.6%
30.9%	28,586	28,698	111	0.4%
32.1%	28,486	28,678	192	0.7%
33.3%	28,458	28,621	163	0.6%
34.6%	28,435	28,587	152	0.5%
35.8%	28,408	28,524	116	0.4%
37.0%	28,339	28,461	123	0.4%
38.3%	27,968	28,423	455	1.6%
39.5%	27,787	28,353	566	2.0%
40.7%	27,775	28,324	550	2.0%
42.0%	27,747	28,297	551	2.0%
43.2%	27,685	28,057	372	1.3%
44.4%	27,587	28,025	438	1.6%
45.7%	27,577	28,023	446	1.6%
46.9%	27,516	27,871	355	1.3%
48.1%	27,141	27,865	724	2.7%
49.4%	27,121	27,841	720	2.7%
50.6%	27,074	27,789	714	2.6%
51.9%	26,995	27,774	778	2.9%
53.1%	26,939	27,610	671	2.5%
54.3%	26,910	27,501	591	2.2%
55.6%	26,702	27,458	756	2.8%
56.8%	26,663	27,181	518	1.9%
58.0%	26,554	27,145	591	2.2%
59.3%	26,505	27,139	634	2.4%
60.5%	26,390	26,928	538	2.0%
61.7%	26,233	26,829	596	2.3%
63.0%	26,128	26,659	531	2.0%
64.2%	26,109	26,520	411	1.6%
65.4%	25,851	26,297	446	1.7%
66.7%	25,607	26,050	443	1.7%
67.9%	25,463	26,017	554	2.2%
69.1%	24,883	25,564	681	2.7%
70.4%	24,793	25,488	695	2.8%
71.6%	24,791	25,018	226	0.9%
72.8%	24,731	24,933	202	0.8%
74.1%	24,186	24,915	729	3.0%
75.3%	23,806	24,603	796	3.3%
76.5%	23,664	24,465	801	3.4%
77.8%	23,659	24,444	785	3.3%
79.0%	23,659	24,227	568	2.4%
80.2%	23,418	23,912	494	2.1%
81.5%	23,403	23,861	459	2.0%
82.7%	22,023	23,446	1,423	6.5%
84.0%	21,981	23,272	1,291	5.9%
85.2%	21,426	23,209	1,783	8.3%
86.4%	21,408	22,302	894	4.2%
87.7%	21,373	21,864	491	2.3%
88.9%	20,934	21,841	907	4.3%
90.1%	19,966	21,236	1,271	6.4%
91.4%	16,257	18,870	2,613	16.1%
92.6%	16,108	17,867	1,760	10.9%
93.8%	14,438	15,938	1,499	10.4%
95.1%	14,241	15,425	1,184	8.3%
96.3%	13,904	15,373	1,470	10.6%
97.5%	13,184	14,739	1,555	11.8%
98.8%	12,568	13,608	1,039	8.3%
100.0%	9,666	10,873	1,207	12.5%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,169	-106	-0.4%
3.7%	28,275	28,156	-119	-0.4%
4.9%	28,275	28,156	-119	-0.4%
6.2%	28,275	28,125	-150	-0.5%
7.4%	28,113	28,051	-62	-0.2%
8.6%	28,060	27,974	-86	-0.3%
9.9%	27,970	27,922	-49	-0.2%
11.1%	27,798	27,908	110	0.4%
12.3%	27,785	27,878	93	0.3%
13.6%	27,742	27,606	-136	-0.5%
14.8%	27,610	27,555	-55	-0.2%
16.0%	27,525	27,480	-46	-0.2%
17.3%	27,515	27,359	-156	-0.6%
18.5%	27,389	27,355	-33	-0.1%
19.8%	27,351	27,312	-39	-0.1%
21.0%	27,336	27,149	-188	-0.7%
22.2%	27,274	27,004	-271	-1.0%
23.5%	27,056	26,786	-270	-1.0%
24.7%	26,466	26,747	281	1.1%
25.9%	26,421	26,529	108	0.4%
27.2%	26,326	26,450	124	0.5%
28.4%	26,318	26,445	127	0.5%
29.6%	26,272	26,390	118	0.5%
30.9%	26,210	26,133	-76	-0.3%
32.1%	25,986	26,130	145	0.6%
33.3%	25,918	26,122	204	0.8%
34.6%	25,901	26,120	219	0.8%
35.8%	25,716	26,063	347	1.4%
37.0%	25,625	26,038	413	1.6%
38.3%	25,154	26,001	847	3.4%
39.5%	25,058	25,910	852	3.4%
40.7%	24,798	25,844	1,047	4.2%
42.0%	24,771	25,838	1,067	4.3%
43.2%	24,770	25,585	815	3.3%
44.4%	24,727	25,574	847	3.4%
45.7%	24,669	25,431	762	3.1%
46.9%	24,662	25,191	529	2.1%
48.1%	24,619	25,126	507	2.1%
49.4%	24,597	25,125	529	2.1%
50.6%	24,520	25,043	523	2.1%
51.9%	24,487	24,997	509	2.1%
53.1%	24,439	24,983	543	2.2%
54.3%	24,374	24,759	385	1.6%
55.6%	24,074	24,635	561	2.3%
56.8%	23,963	24,556	593	2.5%
58.0%	23,696	24,354	659	2.8%
59.3%	23,691	24,267	577	2.4%
60.5%	23,659	24,135	476	2.0%
61.7%	23,518	24,079	561	2.4%
63.0%	23,389	23,763	373	1.6%
64.2%	23,323	23,625	302	1.3%
65.4%	23,196	23,562	366	1.6%
66.7%	22,792	23,545	753	3.3%
67.9%	22,506	23,391	885	3.9%
69.1%	22,470	22,483	13	0.1%
70.4%	21,948	22,477	529	2.4%
71.6%	21,914	22,457	543	2.5%
72.8%	21,766	22,370	604	2.8%
74.1%	21,404	22,280	876	4.1%
75.3%	21,360	22,158	797	3.7%
76.5%	21,166	22,126	960	4.5%
77.8%	21,052	21,906	855	4.1%
79.0%	20,850	21,903	1,053	5.1%
80.2%	20,452	21,477	1,025	5.0%
81.5%	20,416	21,378	962	4.7%
82.7%	19,317	20,498	1,181	6.1%
84.0%	19,234	20,496	1,262	6.6%
85.2%	19,106	20,011	905	4.7%
86.4%	18,531	19,641	1,109	6.0%
87.7%	18,512	19,632	1,120	6.0%
88.9%	18,133	19,520	1,388	7.7%
90.1%	17,001	18,727	1,726	10.1%
91.4%	14,105	15,870	1,765	12.5%
92.6%	13,578	15,450	1,872	13.8%
93.8%	12,848	13,670	822	6.4%
95.1%	11,766	12,844	1,079	9.2%
96.3%	10,972	12,404	1,431	13.0%
97.5%	9,818	11,974	2,156	22.0%
98.8%	7,828	11,438	3,610	46.1%
100.0%	7,478	7,794	317	4.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,331	0	0.0%
11.1%	26,331	26,331	0	0.0%
12.3%	26,331	26,331	0	0.0%
13.6%	26,331	26,323	-8	0.0%
14.8%	26,331	26,220	-110	-0.4%
16.0%	26,234	26,202	-32	-0.1%
17.3%	26,073	26,147	75	0.3%
18.5%	26,071	26,114	43	0.2%
19.8%	25,897	25,892	-5	0.0%
21.0%	25,752	25,629	-123	-0.5%
22.2%	25,649	25,546	-103	-0.4%
23.5%	25,469	25,408	-60	-0.2%
24.7%	24,833	25,281	448	1.8%
25.9%	24,739	25,068	329	1.3%
27.2%	24,622	24,865	243	1.0%
28.4%	24,553	24,764	211	0.9%
29.6%	24,373	24,694	321	1.3%
30.9%	24,371	24,446	75	0.3%
32.1%	24,359	24,443	83	0.3%
33.3%	24,180	24,425	245	1.0%
34.6%	24,117	24,259	142	0.6%
35.8%	23,929	24,208	279	1.2%
37.0%	23,748	24,176	428	1.8%
38.3%	23,711	24,162	451	1.9%
39.5%	23,687	24,107	420	1.8%
40.7%	23,187	24,082	895	3.9%
42.0%	23,162	24,076	914	3.9%
43.2%	23,070	23,659	590	2.6%
44.4%	22,986	23,631	645	2.8%
45.7%	22,946	23,505	559	2.4%
46.9%	22,909	23,490	581	2.5%
48.1%	22,798	23,457	660	2.9%
49.4%	22,691	23,375	683	3.0%
50.6%	22,681	23,372	691	3.0%
51.9%	22,331	23,167	836	3.7%
53.1%	22,306	23,154	847	3.8%
54.3%	22,276	22,894	618	2.8%
55.6%	22,220	22,719	499	2.2%
56.8%	22,060	22,588	528	2.4%
58.0%	22,041	22,527	486	2.2%
59.3%	21,864	22,482	618	2.8%
60.5%	21,832	22,234	402	1.8%
61.7%	21,797	22,096	300	1.4%
63.0%	21,485	22,003	518	2.4%
64.2%	21,250	21,962	712	3.3%
65.4%	20,994	21,903	909	4.3%
66.7%	20,977	21,647	670	3.2%
67.9%	20,844	21,615	770	3.7%
69.1%	20,680	21,544	864	4.2%
70.4%	20,641	21,218	577	2.8%
71.6%	20,634	21,033	399	1.9%
72.8%	20,545	20,883	338	1.6%
74.1%	20,377	20,762	386	1.9%
75.3%	19,815	20,694	879	4.4%
76.5%	19,554	20,517	963	4.9%
77.8%	19,533	20,199	665	3.4%
79.0%	18,637	20,039	1,402	7.5%
80.2%	17,995	19,946	1,951	10.8%
81.5%	17,866	19,665	1,799	10.1%
82.7%	17,577	18,957	1,380	7.8%
84.0%	17,280	17,940	660	3.8%
85.2%	17,120	17,762	642	3.7%
86.4%	16,626	17,741	1,115	6.7%
87.7%	15,891	17,567	1,676	10.5%
88.9%	15,479	17,009	1,530	9.9%
90.1%	15,389	15,951	562	3.7%
91.4%	12,318	14,477	2,159	17.5%
92.6%	11,791	13,662	1,871	15.9%
93.8%	11,166	12,350	1,184	10.6%
95.1%	8,692	9,229	537	6.2%
96.3%	7,763	9,168	1,406	18.1%
97.5%	7,069	8,903	1,834	25.9%
98.8%	7,002	8,610	1,608	23.0%
100.0%	7,002	7,002	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,728	24,728	0	0.0%
4.9%	24,719	24,728	9	0.0%
6.2%	24,680	24,728	48	0.2%
7.4%	24,644	24,728	84	0.3%
8.6%	24,620	24,728	108	0.4%
9.9%	24,610	24,728	118	0.5%
11.1%	24,601	24,728	126	0.5%
12.3%	24,591	24,607	16	0.1%
13.6%	24,476	24,586	110	0.5%
14.8%	24,473	24,343	-130	-0.5%
16.0%	24,455	24,272	-182	-0.7%
17.3%	24,372	24,210	-162	-0.7%
18.5%	23,882	24,203	321	1.3%
19.8%	23,855	24,009	155	0.6%
21.0%	23,829	23,984	155	0.6%
22.2%	23,656	23,946	291	1.2%
23.5%	23,650	23,937	287	1.2%
24.7%	23,592	23,870	278	1.2%
25.9%	23,500	23,858	358	1.5%
27.2%	23,445	23,798	353	1.5%
28.4%	23,373	23,734	361	1.5%
29.6%	23,362	23,676	313	1.3%
30.9%	23,226	23,659	433	1.9%
32.1%	23,036	23,659	624	2.7%
33.3%	23,005	23,470	465	2.0%
34.6%	22,935	23,340	405	1.8%
35.8%	22,740	23,299	560	2.5%
37.0%	22,710	23,249	539	2.4%
38.3%	22,479	23,192	713	3.2%
39.5%	22,464	23,182	717	3.2%
40.7%	22,432	23,159	727	3.2%
42.0%	22,396	23,016	619	2.8%
43.2%	22,348	22,851	502	2.2%
44.4%	22,275	22,817	542	2.4%
45.7%	22,210	22,792	582	2.6%
46.9%	22,167	22,684	518	2.3%
48.1%	22,033	22,649	616	2.8%
49.4%	22,011	22,621	611	2.8%
50.6%	21,759	22,500	741	3.4%
51.9%	21,724	22,436	713	3.3%
53.1%	21,680	22,359	678	3.1%
54.3%	21,646	22,297	651	3.0%
55.6%	21,633	22,173	540	2.5%
56.8%	21,503	22,109	607	2.8%
58.0%	21,501	21,967	466	2.2%
59.3%	21,034	21,775	741	3.5%
60.5%	20,795	21,745	950	4.6%
61.7%	20,762	21,564	802	3.9%
63.0%	20,699	21,291	592	2.9%
64.2%	20,615	21,270	655	3.2%
65.4%	20,535	21,177	642	3.1%
66.7%	20,291	20,869	579	2.9%
67.9%	20,211	20,869	658	3.3%
69.1%	20,160	20,796	637	3.2%
70.4%	20,122	20,736	613	3.0%
71.6%	19,862	20,453	591	3.0%
72.8%	19,328	20,421	1,093	5.7%
74.1%	18,960	20,393	1,433	7.6%
75.3%	18,943	19,955	1,012	5.3%
76.5%	18,844	19,930	1,086	5.8%
77.8%	18,391	19,828	1,437	7.8%
79.0%	18,369	19,599	1,230	6.7%
80.2%	18,340	19,370	1,031	5.6%
81.5%	17,589	18,782	1,193	6.8%
82.7%	17,514	18,598	1,084	6.2%
84.0%	17,337	17,883	546	3.1%
85.2%	16,601	17,238	637	3.8%
86.4%	16,475	17,023	548	3.3%
87.7%	14,808	17,014	2,206	14.9%
88.9%	14,763	16,475	1,712	11.6%
90.1%	14,722	15,267	544	3.7%
91.4%	11,601	13,953	2,352	20.3%
92.6%	10,412	13,435	3,023	29.0%
93.8%	10,363	11,647	1,284	12.4%
95.1%	7,751	8,303	552	7.1%
96.3%	7,171	7,828	658	9.2%
97.5%	7,002	7,828	826	11.8%
98.8%	7,002	7,828	826	11.8%
100.0%	7,002	6,717	-285	-4.1%

Table SW-10-5a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative B	6,235	6,598	7,445	8,637	10,815	8,308	6,409	7,455	10,404	13,093	10,395	7,989
Difference	44	225	749	362	603	-248	-533	-411	-442	-116	-156	-80
Percent Difference[3]	0.7%	3.5%	11.2%	4.4%	5.9%	-2.9%	-7.7%	-5.2%	-4.1%	-0.9%	-1.5%	-1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative B	7,520	8,546	8,228	16,319	18,942	16,056	9,261	9,461	10,641	12,908	10,832	11,989
Difference	225	-103	859	421	584	-170	-217	-3	127	-55	-185	-387
Percent Difference	3.1%	-1.2%	11.7%	2.7%	3.2%	-1.1%	-2.3%	0.0%	1.2%	-0.4%	-1.7%	-3.1%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative B	6,145	8,547	7,956	7,263	14,750	8,106	5,873	7,702	10,747	14,205	10,347	7,669
Difference	193	274	1,112	-374	597	-306	-221	9	-589	-89	-355	-529
Percent Difference	3.2%	3.3%	16.2%	-4.9%	4.2%	-3.6%	-3.6%	0.1%	-5.2%	-0.6%	-3.3%	-6.5%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative B	5,738	5,648	8,822	4,676	6,417	4,329	4,742	6,299	9,944	12,868	9,874	5,594
Difference	476	581	902	391	716	-418	-425	-659	-790	-130	-306	197
Percent Difference	9.1%	11.5%	11.4%	9.1%	12.6%	-8.8%	-8.2%	-9.5%	-7.4%	-1.0%	-3.0%	3.7%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative B	5,341	4,998	7,612	4,662	4,509	3,543	4,708	6,478	10,286	13,461	10,424	5,659
Difference	-595	534	696	773	745	-335	-939	-729	-958	35	-258	3
Percent Difference	-10.0%	12.0%	10.1%	19.9%	19.8%	-8.6%	-16.6%	-10.1%	-8.5%	0.3%	-2.4%	0.1%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative B	5,464	3,938	3,378	3,947	3,860	3,512	5,263	5,674	10,258	12,095	10,059	5,929
Difference	-40	6	47	322	307	-26	-1,042	-951	-348	-488	436	584
Percent Difference	-0.7%	0.2%	1.4%	8.9%	8.6%	-0.7%	-16.5%	-14.4%	-3.3%	-3.9%	4.5%	10.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-10-5b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

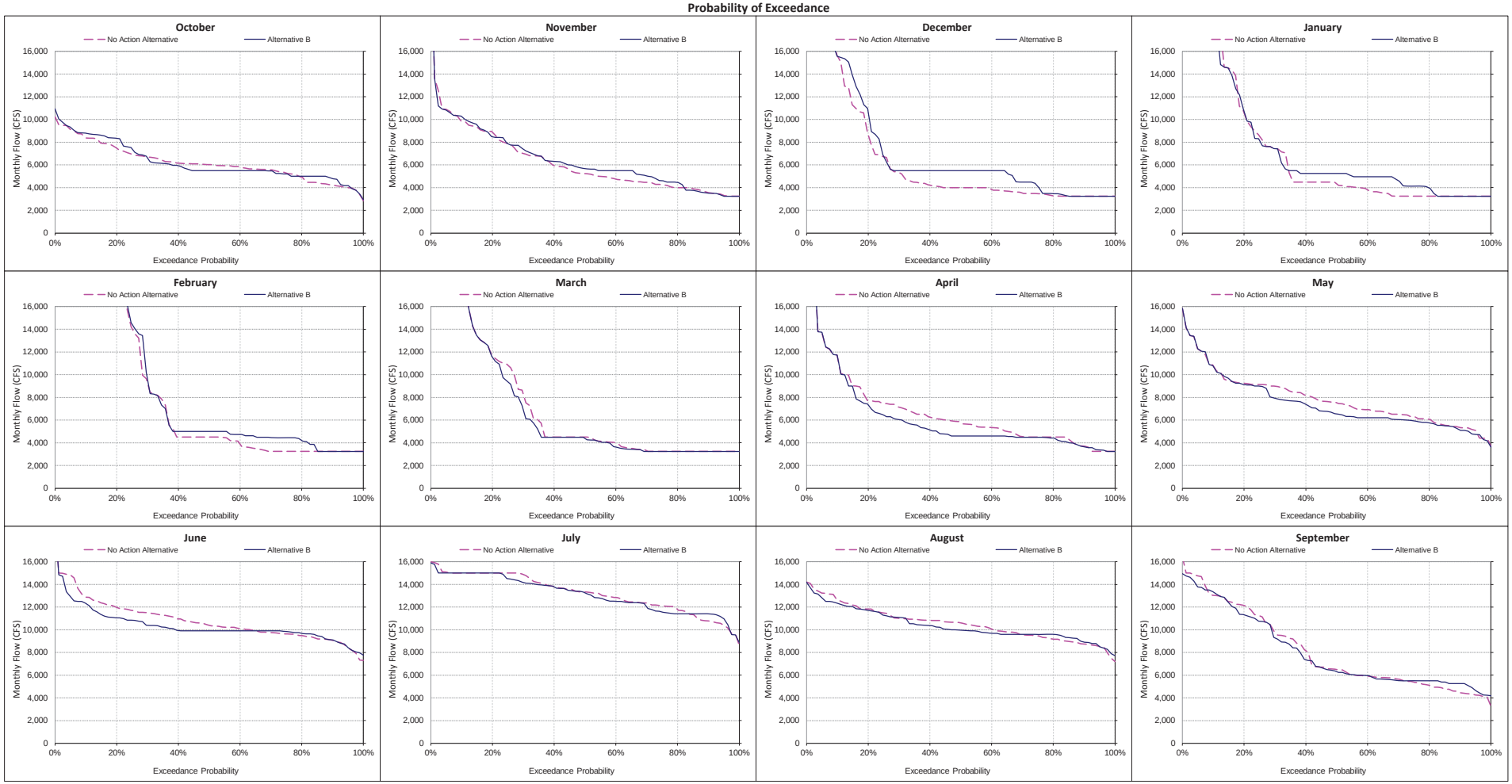

Table SW-10-5b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	10,948	705	6.9%
1.2%	9,547	10,056	509	5.3%
2.5%	9,499	9,760	261	2.7%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,333	201	2.2%
6.2%	8,999	9,048	49	0.5%
7.4%	8,745	8,840	95	1.1%
8.6%	8,730	8,819	89	1.0%
9.9%	8,370	8,809	439	5.2%
11.1%	8,361	8,737	375	4.5%
12.3%	8,352	8,684	332	4.0%
13.6%	8,299	8,657	358	4.3%
14.8%	7,926	8,626	700	8.8%
16.0%	7,889	8,557	668	8.5%
17.3%	7,852	8,399	547	7.0%
18.5%	7,727	8,375	648	8.4%
19.8%	7,525	8,361	836	11.1%
21.0%	7,275	8,318	1,043	14.3%
22.2%	7,215	7,652	437	6.1%
23.5%	7,087	7,594	508	7.2%
24.7%	6,974	7,522	548	7.9%
25.9%	6,848	7,104	256	3.7%
27.2%	6,820	6,936	116	1.7%
28.4%	6,788	6,885	97	1.4%
29.6%	6,701	6,777	75	1.1%
30.9%	6,670	6,288	-382	-5.7%
32.1%	6,641	6,191	-449	-6.8%
33.3%	6,561	6,162	-399	-6.1%
34.6%	6,428	6,137	-291	-4.5%
35.8%	6,303	6,112	-192	-3.0%
37.0%	6,280	6,068	-213	-3.4%
38.3%	6,266	5,965	-301	-4.8%
39.5%	6,171	5,960	-211	-3.4%
40.7%	6,153	5,885	-268	-4.4%
42.0%	6,130	5,721	-409	-6.7%
43.2%	6,112	5,617	-495	-8.1%
44.4%	6,099	5,500	-599	-9.8%
45.7%	6,096	5,500	-596	-9.8%
46.9%	6,089	5,500	-589	-9.7%
48.1%	6,042	5,500	-542	-9.0%
49.4%	6,033	5,500	-533	-8.8%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,500	-100	-1.8%
69.1%	5,592	5,476	-116	-2.1%
70.4%	5,570	5,472	-99	-1.8%
71.6%	5,481	5,259	-222	-4.1%
72.8%	5,377	5,256	-121	-2.2%
74.1%	5,367	5,210	-157	-2.9%
75.3%	5,248	5,208	-40	-0.8%
76.5%	5,205	5,000	-205	-3.9%
77.8%	5,172	5,000	-172	-3.3%
79.0%	4,996	5,000	4	0.1%
80.2%	4,889	5,000	111	2.3%
81.5%	4,477	5,000	523	11.7%
82.7%	4,475	5,000	525	11.7%
84.0%	4,464	5,000	536	12.0%
85.2%	4,444	5,000	556	12.5%
86.4%	4,363	5,000	637	14.6%
87.7%	4,328	5,000	672	15.5%
88.9%	4,256	4,884	627	14.7%
90.1%	4,231	4,777	546	12.9%
91.4%	4,148	4,733	585	14.1%
92.6%	4,108	4,264	156	3.8%
93.8%	4,052	4,175	122	3.0%
95.1%	4,000	4,170	170	4.3%
96.3%	3,955	3,915	-40	-1.0%
97.5%	3,774	3,767	-7	-0.2%
98.8%	3,390	3,442	52	1.5%
100.0%	2,836	2,918	82	2.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	26,522	-987	-3.6%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	11,191	-1,330	-10.6%
3.7%	10,931	10,931	0	0.0%
4.9%	10,889	10,845	-44	-0.4%
6.2%	10,724	10,605	-119	-1.1%
7.4%	10,436	10,356	-79	-0.8%
8.6%	10,295	10,352	57	0.6%
9.9%	9,856	10,302	446	4.5%
11.1%	9,831	10,012	182	1.8%
12.3%	9,497	9,831	334	3.5%
13.6%	9,433	9,688	255	2.7%
14.8%	9,384	9,580	196	2.1%
16.0%	9,095	9,191	96	1.1%
17.3%	8,986	9,073	87	1.0%
18.5%	8,949	8,886	-62	-0.7%
19.8%	8,948	8,499	-449	-5.0%
21.0%	8,590	8,426	-164	-1.9%
22.2%	8,173	8,420	247	3.0%
23.5%	8,012	8,410	398	5.0%
24.7%	7,918	7,918	0	0.0%
25.9%	7,839	7,748	-91	-1.2%
27.2%	7,482	7,738	256	3.4%
28.4%	7,071	7,729	658	9.3%
29.6%	7,043	7,468	425	6.0%
30.9%	6,937	7,236	299	4.3%
32.1%	6,822	7,087	265	3.9%
33.3%	6,803	6,946	143	2.1%
34.6%	6,799	6,813	14	0.2%
35.8%	6,758	6,758	0	0.0%
37.0%	6,493	6,394	-99	-1.5%
38.3%	6,296	6,348	52	0.8%
39.5%	6,015	6,321	306	5.1%
40.7%	5,857	6,311	454	7.7%
42.0%	5,849	6,272	422	7.2%
43.2%	5,827	6,147	320	5.5%
44.4%	5,673	6,008	335	5.9%
45.7%	5,437	5,986	549	10.1%
46.9%	5,321	5,843	522	9.8%
48.1%	5,279	5,766	487	9.2%
49.4%	5,250	5,686	436	8.3%
50.6%	5,229	5,659	430	8.2%
51.9%	5,174	5,638	464	9.0%
53.1%	5,068	5,629	561	11.1%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,500	854	18.4%
64.2%	4,630	5,500	870	18.8%
65.4%	4,553	5,500	947	20.8%
66.7%	4,521	5,179	658	14.6%
67.9%	4,511	5,134	622	13.8%
69.1%	4,473	5,084	611	13.7%
70.4%	4,458	5,011	553	12.4%
71.6%	4,430	4,950	520	11.7%
72.8%	4,286	4,805	520	12.1%
74.1%	4,279	4,634	355	8.3%
75.3%	4,242	4,610	367	8.7%
76.5%	4,194	4,500	306	7.3%
77.8%	4,062	4,500	438	10.8%
79.0%	4,000	4,500	500	12.5%
80.2%	4,000	4,438	438	10.9%
81.5%	4,000	4,257	257	6.4%
82.7%	4,000	3,776	-224	-5.6%
84.0%	4,000	3,772	-228	-5.7%
85.2%	3,885	3,750	-135	-3.5%
86.4%	3,834	3,695	-139	-3.6%
87.7%	3,755	3,597	-158	-4.2%
88.9%	3,635	3,547	-88	-2.4%
90.1%	3,556	3,498	-58	-1.6%
91.4%	3,499	3,498	-1	0.0%
92.6%	3,481	3,481	0	0.0%
93.8%	3,434	3,370	-64	-1.9%
95.1%	3,297	3,250	-47	-1.4%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	24,622	-1,605	-6.1%
1.2%	24,964	24,396	-568	-2.3%
2.5%	24,622	23,755	-868	-3.5%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	21,262	-356	-1.6%
6.2%	20,314	20,314	0	0.0%
7.4%	18,063	17,492	-571	-3.2%
8.6%	17,244	16,488	-755	-4.4%
9.9%	15,658	15,562	-95	-0.6%
11.1%	15,051	15,455	403	2.7%
12.3%	12,935	15,343	2,408	18.6%
13.6%	12,898	15,051	2,153	16.7%
14.8%	11,307	13,892	2,585	22.9%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,215	1,529	14.3%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,804	8,925	1,122	14.4%
22.2%	6,930	8,699	1,769	25.5%
23.5%	6,907	8,297	1,390	20.1%
24.7%	6,742	6,907	165	2.4%
25.9%	6,656	6,225	-431	-6.5%
27.2%	5,642	5,606	-36	-0.6%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,376	5,500	1,124	25.7%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,500	1,793	48.4%
65.4%	3,690	5,190	1,500	40.6%
66.7%	3,650	5,066	1,416	38.8%
67.9%	3,609	4,510	901	25.0%
69.1%	3,595	4,501	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,500	1,010	28.9%
74.1%	3,481	4,378	897	25.8%
75.3%	3,472	4,000	528	15.2%
76.5%	3,471	3,494	24	0.7%
77.8%	3,392	3,493	101	3.0%
79.0%	3,327	3,490	163	4.9%
80.2%	3,257	3,472	215	6.6%
81.5%	3,251	3,471	220	6.8%
82.7%	3,250	3,392	142	4.4%
84.0%	3,250	3,312	62	1.9%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,735	52,735	0	0.0%
1.2%	38,615	38,615	0	0.0%
2.5%	34,203	34,203	0	0.0%
3.7%	30,587	30,587	0	0.0%
4.9%	26,924	28,220	1,296	4.8%
6.2%	25,153	25,153	0	0.0%
7.4%	24,008	22,210	-1,798	-7.5%
8.6%	20,927	20,927	0	0.0%
9.9%	19,053	19,053	0	0.0%
11.1%	18,323	18,323	0	0.0%
12.3%	18,115	14,826	-3,289	-18.2%
13.6%	14,598	14,598	0	0.0%
14.8%	14,544	14,544	0	0.0%
16.0%	14,354	13,878	-475	-3.3%
17.3%	13,878	12,704	-1,175	-8.5%
18.5%	11,161	12,156	994	8.9%
19.8%	10,786	10,912	125	1.2%
21.0%	9,852	9,852	0	0.0%
22.2%	9,385	9,756	371	4.0%
23.5%	8,989	8,333	-655	-7.3%
24.7%	8,666	8,309	-357	-4.1%
25.9%	8,193	7,682	-511	-6.2%
27.2%	7,628	7,628	0	0.0%
28.4%	7,626	7,626	0	0.0%
29.6%	7,446	7,446	0	0.0%
30.9%	7,419	7,419	0	0.0%
32.1%	7,140	6,186	-955	-13.4%
33.3%	7,049	5,657	-1,393	-19.8%
34.6%	5,316	5,500	184	3.5%
35.8%	4,500	5,500	1,000	22.2%
37.0%	4,500	5,500	1,000	22.2%
38.3%	4,500	5,250	750	16.7%
39.5%	4,500	5,250	750	16.7%
40.7%	4,500	5,250	750	16.7%
42.0%	4,500	5,250	750	16.7%
43.2%	4,500	5,250	750	16.7%
44.4%	4,500	5,250	750	16.7%
45.7%	4,500	5,250	750	16.7%
46.9%	4,500	5,250	750	16.7%
48.1%	4,500	5,250	750	16.7%
49.4%	4,465	5,250	785	17.6%
50.6%	4,202	5,250	1,048	24.9%
51.9%	4,165	5,250	1,085	26.0%
53.1%	4,087	5,250	1,163	28.4%
54.3%	4,082	5,094	1,013	24.8%
55.6%	4,040	4,950	910	22.5%
56.8%	4,025	4,950	925	23.0%
58.0%	3,979	4,950	971	24.4%
59.3%	3,926	4,950	1,024	26.1%
60.5%	3,738	4,950	1,212	32.4%
61.7%	3,638	4,950	1,312	36.1%
63.0%	3,629	4,950	1,321	36.4%
64.2%	3,584	4,950	1,366	38.1%
65.4%	3,502	4,950	1,448	41.4%
66.7%	3,488	4,950	1,462	41.9%
67.9%	3,255	4,950	1,695	52.1%
69.1%	3,250	4,750	1,500	46.2%
70.4%	3,250	4,560	1,310	40.3%
71.6%	3,250	4,165	915	28.2%
72.8%	3,250	4,125	875	26.9%
74.1%	3,250	4,125	875	26.9%
75.3%	3,250	4,125	875	26.9%
76.5%	3,250	4,125	875	26.9%
77.8%	3,250	4,125	875	26.9%
79.0%	3,250	4,094	844	26.0%
80.2%	3,250	3,939	689	21.2%
81.5%	3,250	3,488	238	7.3%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-5b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,094	3,087	7.0%
1.2%	42,028	44,007	1,979	4.7%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	34,689	2,212	6.8%
6.2%	31,736	31,535	-201	-0.6%
7.4%	30,069	30,288	219	0.7%
8.6%	28,992	30,069	1,077	3.7%
9.9%	27,512	29,178	1,666	6.1%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	0	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	16,170	465	3.0%
24.7%	14,217	14,585	368	2.6%
25.9%	13,598	14,048	450	3.3%
27.2%	13,212	13,598	386	2.9%
28.4%	9,952	13,449	3,498	35.1%
29.6%	9,642	10,180	538	5.6%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,284	-39	-0.5%
33.3%	8,164	8,164	0	0.0%
34.6%	7,864	7,328	-536	-6.8%
35.8%	7,324	7,023	-301	-4.1%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	4,761	554	13.2%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,725	579	14.0%
60.5%	3,679	4,725	1,046	28.4%
61.7%	3,637	4,625	988	27.2%
63.0%	3,588	4,625	1,037	28.9%
64.2%	3,525	4,625	1,100	31.2%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,500	1,086	31.8%
67.9%	3,351	4,500	1,149	34.3%
69.1%	3,250	4,500	1,250	38.5%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,455	1,205	37.1%
76.5%	3,250	4,455	1,205	37.1%
77.8%	3,250	4,455	1,205	37.1%
79.0%	3,250	4,375	1,125	34.6%
80.2%	3,250	4,146	896	27.6%
81.5%	3,250	4,104	854	26.3%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,101	41,106	5	0.0%
2.5%	40,248	38,253	-1,995	-5.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	23,156	-3,387	-12.8%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	18,544	0	0.0%
11.1%	17,063	17,840	777	4.6%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,648	-72	-0.6%
21.0%	11,423	11,165	-257	-2.3%
22.2%	11,165	10,926	-239	-2.1%
23.5%	11,012	9,749	-1,263	-11.5%
24.7%	10,926	9,444	-1,482	-13.6%
25.9%	10,601	9,161	-1,440	-13.6%
27.2%	9,911	8,133	-1,778	-17.9%
28.4%	8,704	8,041	-663	-7.6%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,125	-1,403	-18.6%
32.1%	7,278	6,078	-1,199	-16.5%
33.3%	6,125	5,728	-397	-6.5%
34.6%	6,078	5,218	-860	-14.1%
35.8%	5,728	4,500	-1,228	-21.4%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,278	-222	-4.9%
51.9%	4,461	4,250	-211	-4.7%
53.1%	4,250	4,239	-11	-0.2%
54.3%	4,143	4,134	-9	-0.2%
55.6%	4,134	4,048	-86	-2.1%
56.8%	4,087	4,042	-45	-1.1%
58.0%	4,060	3,979	-82	-2.0%
59.3%	4,048	3,666	-383	-9.5%
60.5%	3,979	3,602	-376	-9.5%
61.7%	3,658	3,510	-147	-4.0%
63.0%	3,602	3,473	-130	-3.6%
64.2%	3,510	3,436	-74	-2.1%
65.4%	3,494	3,422	-72	-2.1%
66.7%	3,436	3,422	-15	-0.4%
67.9%	3,422	3,403	-19	-0.6%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,037	0	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,792	-5	0.0%
4.9%	13,739	13,739	0	0.0%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,000	-987	-9.9%
14.8%	9,031	8,993	-38	-0.4%
16.0%	9,000	7,868	-1,132	-12.6%
17.3%	8,925	7,694	-1,231	-13.8%
18.5%	8,301	7,490	-811	-9.8%
19.8%	7,716	7,410	-305	-4.0%
21.0%	7,694	6,979	-715	-9.3%
22.2%	7,637	6,680	-957	-12.5%
23.5%	7,635	6,585	-1,050	-13.8%
24.7%	7,467	6,486	-981	-13.1%
25.9%	7,463	6,298	-1,165	-15.6%
27.2%	7,395	6,289	-1,106	-15.0%
28.4%	7,381	6,111	-1,270	-17.2%
29.6%	7,158	6,050	-1,108	-15.5%
30.9%	7,069	6,007	-1,063	-15.0%
32.1%	6,958	5,800	-1,158	-16.6%
33.3%	6,804	5,664	-1,140	-16.8%
34.6%	6,680	5,608	-1,072	-16.0%
35.8%	6,529	5,568	-962	-14.7%
37.0%	6,525	5,350	-1,175	-18.0%
38.3%	6,515	5,290	-1,225	-18.8%
39.5%	6,298	5,192	-1,106	-17.6%
40.7%	6,213	5,046	-1,167	-18.8%
42.0%	6,127	5,045	-1,081	-17.7%
43.2%	6,093	4,792	-1,301	-21.4%
44.4%	6,031	4,784	-1,247	-20.7%
45.7%	6,010	4,756	-1,255	-20.9%
46.9%	5,946	4,611	-1,335	-22.5%
48.1%	5,889	4,606	-1,282	-21.8%
49.4%	5,878	4,600	-1,278	-21.7%
50.6%	5,664	4,600	-1,064	-18.8%
51.9%	5,645	4,600	-1,045	-18.5%
53.1%	5,625	4,600	-1,025	-18.2%
54.3%	5,577	4,600	-977	-17.5%
55.6%	5,409	4,600	-809	-15.0%
56.8%	5,378	4,600	-778	-14.5%
58.0%	5,373	4,600	-773	-14.4%
59.3%	5,356	4,600	-756	-14.1%
60.5%	5,347	4,600	-747	-14.0%
61.7%	5,312	4,600	-712	-13.4%
63.0%	5,243	4,600	-643	-12.3%
64.2%	5,046	4,600	-446	-8.8%
65.4%	4,980	4,557	-424	-8.5%
66.7%	4,927	4,550	-377	-7.6%
67.9%	4,758	4,500	-258	-5.4%
69.1%	4,580	4,500	-80	-1.7%
70.4%	4,532	4,500	-32	-0.7%
71.6%	4,512	4,500	-12	-0.3%
72.8%	4,500	4,500	0	0.0%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,488	-12	-0.3%
77.8%	4,500	4,469	-31	-0.7%
79.0%	4,500	4,434	-66	-1.5%
80.2%	4,500	4,417	-83	-1.8%
81.5%	4,500	4,220	-280	-6.2%
82.7%	4,500	4,135	-365	-8.1%
84.0%	4,500	4,116	-384	-8.5%
85.2%	4,266	3,993	-273	-6.4%
86.4%	3,990	3,981	-9	-0.2%
87.7%	3,818	3,852	34	0.9%
88.9%	3,719	3,719	0	0.0%
90.1%	3,700	3,642	-58	-1.6%
91.4%	3,622	3,576	-46	-1.3%
92.6%	3,250	3,571	321	9.9%
93.8%	3,250	3,391	141	4.3%
95.1%	3,250	3,367	117	3.6%
96.3%	3,250	3,343	93	2.9%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,837	15,837	0	0.0%
1.2%	14,124	14,124	0	0.0%
2.5%	13,439	13,439	0	0.0%
3.7%	13,385	13,385	0	0.0%
4.9%	12,281	12,281	0	0.0%
6.2%	12,057	12,057	0	0.0%
7.4%	11,783	12,024	241	2.0%
8.6%	10,962	10,890	-72	-0.7%
9.9%	10,855	10,783	-72	-0.7%
11.1%	10,307	10,242	-65	-0.6%
12.3%	10,242	10,128	-114	-1.1%
13.6%	9,608	9,840	232	2.4%
14.8%	9,473	9,690	217	2.3%
16.0%	9,395	9,395	0	0.0%
17.3%	9,324	9,252	-72	-0.8%
18.5%	9,264	9,246	-18	-0.2%
19.8%	9,247	9,140	-106	-1.2%
21.0%	9,212	9,102	-111	-1.2%
22.2%	9,150	9,095	-56	-0.6%
23.5%	9,140	9,002	-138	-1.5%
24.7%	9,138	8,996	-142	-1.6%
25.9%	9,129	8,966	-163	-1.8%
27.2%	9,102	8,795	-307	-3.4%
28.4%	9,002	8,043	-960	-10.7%
29.6%	8,996	7,958	-1,038	-11.5%
30.9%	8,966	7,859	-1,107	-12.3%
32.1%	8,869	7,793	-1,077	-12.1%
33.3%	8,778	7,757	-1,021	-11.6%
34.6%	8,584	7,711	-873	-10.2%
35.8%	8,453	7,684	-769	-9.1%
37.0%	8,436	7,653	-783	-9.3%
38.3%	8,423	7,625	-798	-9.5%
39.5%	8,226	7,467	-759	-9.2%
40.7%	8,140	7,292	-849	-10.4%
42.0%	8,043	7,091	-951	-11.8%
43.2%	7,872	7,055	-818	-10.4%
44.4%	7,684	6,807	-877	-11.4%
45.7%	7,657	6,795	-862	-11.3%
46.9%	7,626	6,779	-848	-11.1%
48.1%	7,591	6,691	-900	-11.9%
49.4%	7,585	6,564	-1,021	-13.5%
50.6%	7,467	6,519	-948	-12.7%
51.9%	7,427	6,459	-968	-13.0%
53.1%	7,335	6,332	-1,003	-13.7%
54.3%	7,260	6,316	-944	-13.0%
55.6%	7,071	6,291	-780	-11.0%
56.8%	6,943	6,200	-743	-10.7%
58.0%	6,936	6,200	-736	-10.6%
59.3%	6,925	6,200	-725	-10.5%
60.5%	6,923	6,200	-723	-10.4%
61.7%	6,802	6,200	-602	-8.8%
63.0%	6,795	6,200	-595	-8.8%
64.2%	6,777	6,200	-577	-8.5%
65.4%	6,725	6,200	-525	-7.8%
66.7%	6,622	6,200	-422	-6.4%
67.9%	6,519	6,074	-445	-6.8%
69.1%	6,519	6,064	-455	-7.0%
70.4%	6,513	6,051	-462	-7.1%
71.6%	6,477	6,028	-449	-6.9%
72.8%	6,446	5,981	-466	-7.2%
74.1%	6,307	5,970	-337	-5.3%
75.3%	6,299	5,934	-365	-5.8%
76.5%	6,123	5,851	-272	-4.4%
77.8%	6,121	5,813	-309	-5.0%
79.0%	6,092	5,808	-283	-4.7%
80.2%	6,064	5,746	-318	-5.2%
81.5%	5,811	5,678	-133	-2.3%
82.7%	5,663	5,547	-115	-2.0%
84.0%	5,619	5,531	-89	-1.6%
85.2%	5,530	5,498	-32	-0.6%
86.4%	5,504	5,478	-26	-0.5%
87.7%	5,441	5,430	-11	-0.2%
88.9%	5,426	5,262	-164	-3.0%
90.1%	5,331	5,101	-230	-4.3%
91.4%	5,321	5,083	-238	-4.5%
92.6%	5,319	5,028	-291	-5.5%
93.8%	5,178	4,778	-400	-7.7%
95.1%	5,092	4,743	-349	-6.8%
96.3%	4,410	4,709	299	6.8%
97.5%	4,407	4,283	-123	-2.8%
98.8%	4,388	4,182	-206	-4.7%
100.0%	3,737	3,616	-121	-3.2%

Table SW-10-5b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	14,846	-154	-1.0%
2.5%	14,970	14,722	-249	-1.7%
3.7%	14,882	13,341	-1,541	-10.4%
4.9%	14,846	12,941	-1,906	-12.8%
6.2%	14,582	12,547	-2,035	-14.0%
7.4%	13,652	12,500	-1,152	-8.4%
8.6%	13,166	12,500	-666	-5.1%
9.9%	12,879	12,341	-538	-4.2%
11.1%	12,855	12,117	-738	-5.7%
12.3%	12,607	11,748	-859	-6.8%
13.6%	12,555	11,576	-979	-7.8%
14.8%	12,388	11,353	-1,035	-8.4%
16.0%	12,299	11,214	-1,085	-8.8%
17.3%	12,170	11,123	-1,047	-8.6%
18.5%	12,142	11,102	-1,040	-8.6%
19.8%	11,998	11,044	-954	-7.9%
21.0%	11,875	11,043	-832	-7.0%
22.2%	11,859	10,979	-880	-7.4%
23.5%	11,816	10,850	-966	-8.2%
24.7%	11,714	10,843	-871	-7.4%
25.9%	11,672	10,827	-845	-7.2%
27.2%	11,530	10,756	-775	-6.7%
28.4%	11,528	10,722	-806	-7.0%
29.6%	11,525	10,408	-1,117	-9.7%
30.9%	11,471	10,369	-1,102	-9.6%
32.1%	11,419	10,369	-1,050	-9.2%
33.3%	11,360	10,353	-1,007	-8.9%
34.6%	11,299	10,235	-1,064	-9.4%
35.8%	11,275	10,215	-1,059	-9.4%
37.0%	11,203	10,138	-1,066	-9.5%
38.3%	11,132	10,107	-1,024	-9.2%
39.5%	10,966	9,965	-1,001	-9.1%
40.7%	10,964	9,915	-1,049	-9.6%
42.0%	10,806	9,910	-895	-8.3%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,693	9,900	-793	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,334	9,900	-434	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,900	109	1.1%
69.1%	9,770	9,900	130	1.3%
70.4%	9,740	9,900	160	1.6%
71.6%	9,719	9,900	181	1.9%
72.8%	9,672	9,900	228	2.4%
74.1%	9,645	9,868	223	2.3%
75.3%	9,643	9,839	196	2.0%
76.5%	9,623	9,787	164	1.7%
77.8%	9,606	9,756	149	1.6%
79.0%	9,494	9,754	259	2.7%
80.2%	9,472	9,653	181	1.9%
81.5%	9,415	9,652	237	2.5%
82.7%	9,402	9,636	234	2.5%
84.0%	9,310	9,588	278	3.0%
85.2%	9,191	9,471	280	3.1%
86.4%	9,179	9,414	235	2.6%
87.7%	9,176	9,191	15	0.2%
88.9%	9,151	9,117	-34	-0.4%
90.1%	9,048	9,111	63	0.7%
91.4%	8,928	8,958	30	0.3%
92.6%	8,887	8,820	-67	-0.8%
93.8%	8,668	8,756	88	1.0%
95.1%	8,376	8,406	30	0.4%
96.3%	8,186	8,186	0	0.0%
97.5%	7,946	8,045	98	1.2%
98.8%	7,334	7,957	623	8.5%
100.0%	7,300	7,754	454	6.2%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,897	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
2.5%	15,775	15,000	-775	-4.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	14,889	-111	-0.7%
24.7%	15,000	14,508	-492	-3.3%
25.9%	15,000	14,460	-540	-3.6%
27.2%	15,000	14,404	-596	-4.0%
28.4%	15,000	14,346	-654	-4.4%
29.6%	14,903	14,209	-695	-4.7%
30.9%	14,780	14,110	-670	-4.5%
32.1%	14,539	14,080	-459	-3.2%
33.3%	14,273	14,037	-237	-1.7%
34.6%	14,165	13,986	-179	-1.3%
35.8%	14,115	13,960	-155	-1.1%
37.0%	13,988	13,910	-78	-0.6%
38.3%	13,875	13,895	20	0.1%
39.5%	13,837	13,850	13	0.1%
40.7%	13,725	13,655	-70	-0.5%
42.0%	13,678	13,652	-26	-0.2%
43.2%	13,641	13,652	11	0.1%
44.4%	13,548	13,489	-59	-0.4%
45.7%	13,539	13,433	-106	-0.8%
46.9%	13,410	13,404	-5	0.0%
48.1%	13,348	13,387	38	0.3%
49.4%	13,338	13,325	-14	-0.1%
50.6%	13,332	13,179	-153	-1.1%
51.9%	13,286	13,072	-214	-1.6%
53.1%	13,224	12,829	-395	-3.0%
54.3%	13,219	12,820	-400	-3.0%
55.6%	13,011	12,747	-265	-2.0%
56.8%	12,972	12,618	-354	-2.7%
58.0%	12,921	12,533	-388	-3.0%
59.3%	12,864	12,517	-347	-2.7%
60.5%	12,824	12,500	-324	-2.5%
61.7%	12,720	12,500	-220	-1.7%
63.0%	12,535	12,429	-107	-0.9%
64.2%	12,447	12,400	-47	-0.4%
65.4%	12,444	12,400	-44	-0.4%
66.7%	12,438	12,400	-38	-0.3%
67.9%	12,395	12,370	-25	-0.2%
69.1%	12,369	12,318	-51	-0.4%
70.4%	12,355	11,877	-478	-3.9%
71.6%	12,189	11,776	-413	-3.4%
72.8%	12,185	11,651	-534	-4.4%
74.1%	12,134	11,627	-507	-4.2%
75.3%	12,107	11,541	-566	-4.7%
76.5%	12,077	11,505	-572	-4.7%
77.8%	12,053	11,451	-602	-5.0%
79.0%	12,042	11,400	-642	-5.3%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,840	11,400	560	5.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,400	629	5.8%
91.4%	10,703	11,378	674	6.3%
92.6%	10,629	11,315	686	6.5%
93.8%	10,571	11,177	606	5.7%
95.1%	10,401	10,949	548	5.3%
96.3%	10,147	10,452	305	3.0%
97.5%	9,660	9,572	-88	-0.9%
98.8%	9,616	9,552	-64	-0.7%
100.0%	8,623	8,886	263	3.0%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,207	0	0.0%
1.2%	14,094	13,705	-389	-2.8%
2.5%	13,568	13,238	-330	-2.4%
3.7%	13,414	13,161	-252	-1.9%
4.9%	13,238	12,811	-428	-3.2%
6.2%	13,212	12,500	-712	-5.4%
7.4%	13,146	12,496	-650	-4.9%
8.6%	13,133	12,426	-706	-5.4%
9.9%	12,632	12,345	-286	-2.3%
11.1%	12,511	12,223	-287	-2.3%
12.3%	12,356	12,131	-225	-1.8%
13.6%	12,313	12,066	-247	-2.0%
14.8%	12,182	12,049	-133	-1.1%
16.0%	12,127	11,846	-281	-2.3%
17.3%	11,864	11,805	-60	-0.5%
18.5%	11,841	11,785	-56	-0.5%
19.8%	11,834	11,713	-121	-1.0%
21.0%	11,825	11,663	-162	-1.4%
22.2%	11,607	11,614	7	0.1%
23.5%	11,565	11,535	-31	-0.3%
24.7%	11,483	11,301	-182	-1.6%
25.9%	11,451	11,232	-220	-1.9%
27.2%	11,274	11,138	-136	-1.2%
28.4%	11,036	11,118	83	0.7%
29.6%	11,014	11,097	84	0.8%
30.9%	10,987	11,071	84	0.8%
32.1%	10,972	11,020	48	0.4%
33.3%	10,933	10,540	-393	-3.6%
34.6%	10,923	10,526	-397	-3.6%
35.8%	10,907	10,437	-471	-4.3%
37.0%	10,874	10,428	-446	-4.1%
38.3%	10,850	10,408	-441	-4.1%
39.5%	10,849	10,376	-473	-4.4%
40.7%	10,832	10,349	-483	-4.5%
42.0%	10,829	10,249	-580	-5.4%
43.2%	10,829	10,212	-617	-5.7%
44.4%	10,717	10,071	-646	-6.0%
45.7%	10,696	10,044	-652	-6.1%
46.9%	10,667	10,006	-661	-6.2%
48.1%	10,658	9,990	-668	-6.3%
49.4%	10,638	9,972	-666	-6.3%
50.6%	10,564	9,964	-601	-5.7%
51.9%	10,486	9,929	-557	-5.3%
53.1%	10,436	9,919	-517	-5.0%
54.3%	10,368	9,898	-470	-4.5%
55.6%	10,314	9,866	-448	-4.3%
56.8%	10,291	9,768	-523	-5.1%
58.0%	10,263	9,750	-512	-5.0%
59.3%	10,150	9,716	-434	-4.3%
60.5%	9,986	9,694	-292	-2.9%
61.7%	9,915	9,684	-231	-2.3%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,600	305	3.3%
79.0%	9,217	9,600	383	4.2%
80.2%	9,159	9,600	441	4.8%
81.5%	9,158	9,584	426	4.7%
82.7%	9,039	9,456	417	4.6%
84.0%	9,001	9,325	324	3.6%
85.2%	8,954	9,299	345	3.8%
86.4%	8,921	9,256	335	3.8%
87.7%	8,875	9,231	356	4.0%
88.9%	8,753	8,985	232	2.6%
90.1%	8,734	8,901	167	1.9%
91.4%	8,720	8,891	171	2.0%
92.6%	8,663	8,788	126	1.4%
93.8%	8,605	8,783	178	2.1%
95.1%	8,526	8,507	-19	-0.2%
96.3%	8,503	8,384	-119	-1.4%
97.5%	7,966	8,278	312	3.9%
98.8%	7,494	7,895	401	5.3%
100.0%	7,199	7,713	514	7.1%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,437	14,942	-1,495	-9.1%
1.2%	15,000	14,736	-264	-1.8%
2.5%	15,000	14,620	-380	-2.5%
3.7%	14,861	14,293	-568	-3.8%
4.9%	14,762	13,782	-980	-6.6%
6.2%	14,683	13,729	-954	-6.5%
7.4%	13,885	13,519	-366	-2.6%
8.6%	13,220	13,499	279	2.1%
9.9%	13,042	13,351	308	2.4%
11.1%	13,001	13,134	133	1.0%
12.3%	12,974	12,923	-51	-0.4%
13.6%	12,778	12,857	79	0.6%
14.8%	12,497	12,431	-65	-0.5%
16.0%	12,431	12,061	-370	-3.0%
17.3%	12,244	11,906	-339	-2.8%
18.5%	12,224	11,358	-866	-7.1%
19.8%	12,156	11,342	-813	-6.7%
21.0%	12,047	11,225	-822	-6.8%
22.2%	11,757	11,109	-647	-5.5%
23.5%	11,342	10,995	-347	-3.1%
24.7%	11,260	10,756	-505	-4.5%
25.9%	11,141	10,741	-400	-3.6%
27.2%	10,527	10,661	135	1.3%
28.4%	10,460	10,469	8	0.1%
29.6%	9,887	9,331	-557	-5.6%
30.9%	9,526	9,163	-362	-3.8%
32.1%	9,501	8,929	-572	-6.0%
33.3%	9,424	8,913	-511	-5.4%
34.6%	9,252	8,750	-502	-5.4%
35.8%	9,192	8,402	-790	-8.6%
37.0%	8,816	8,383	-433	-4.9%
38.3%	8,734	7,974	-760	-8.7%
39.5%	8,250	7,414	-835	-10.1%
40.7%	8,014	7,292	-722	-9.0%
42.0%	6,843	7,279	436	6.4%
43.2%	6,746	6,783	37	0.6%
44.4%	6,718	6,744	26	0.4%
45.7%	6,706	6,609	-97	-1.5%
46.9%	6,577	6,493	-83	-1.3%
48.1%	6,547	6,441	-107	-1.6%
49.4%	6,535	6,365	-170	-2.6%
50.6%	6,465	6,250	-215	-3.3%
51.9%	6,450	6,238	-212	-3.3%
53.1%	6,260	6,138	-122	-1.9%
54.3%	6,061	6,061	0	0.0%
55.6%	6,013	6,031	18	0.3%
56.8%	5,967	6,000	33	0.5%
58.0%	5,962	6,000	38	0.6%
59.3%	5,916	5,964	48	0.8%
60.5%	5,907	5,955	48	0.8%
61.7%	5,849	5,786	-63	-1.1%
63.0%	5,814	5,663	-151	-2.6%
64.2%	5,792	5,658	-134	-2.3%
65.4%	5,786	5,635	-151	-2.6%
66.7%	5,779	5,607	-172	-3.0%
67.9%	5,778	5,587	-191	-3.3%
69.1%	5,675	5,545	-130	-2.3%
70.4%	5,636	5,500	-136	-2.4%
71.6%	5,515	5,500	-15	-0.3%
72.8%	5,456	5,500	44	0.8%
74.1%	5,446	5,500	54	1.0%
75.3%	5,359	5,500	141	2.6%
76.5%	5,348	5,500	152	2.8%
77.8%	5,207	5,500	293	5.6%
79.0%	5,168	5,500	332	6.4%
80.2%	5,086	5,500	414	8.1%
81.5%	4,946	5,500	554	11.2%
82.7%	4,935	5,500	565	11.4%
84.0%	4,894	5,384	490	10.0%
85.2%	4,771	5,381	611	12.8%
86.4%	4,758	5,264	507	10.6%
87.7%	4,606	5,250	644	14.0%
88.9%	4,578	5,250	672	14.7%
90.1%	4,441	5,250	809	18.2%
91.4%	4,395	5,250	855	19.5%
92.6%	4,351	5,074	723	16.6%
93.8%	4,342	4,911	569	13.1%
95.1%	4,238	4,640	402	9.5%
96.3%	4,231	4,433	202	4.8%
97.5%	4,119	4,256	138	3.3%
98.8%	4,100	4,227	127	3.1%
100.0%	3,250	4,184	934	28.8%

Table SW-11-5a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative B	7,162	8,825	12,217	15,452	18,495	14,285	10,124	9,504	11,351	13,332	10,554	8,409
Difference	44	224	746	357	602	-251	-529	-406	-440	-94	-159	-76
Percent Difference[3]	0.6%	2.6%	6.5%	2.4%	3.4%	-1.7%	-5.0%	-4.1%	-3.7%	-0.7%	-1.5%	-0.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative B	8,483	11,034	12,879	27,844	30,639	24,893	15,058	12,517	12,180	13,378	11,080	12,459
Difference	227	-106	860	419	583	-172	-215	-1	126	-57	-186	-386
Percent Difference	2.7%	-0.9%	7.2%	1.5%	1.9%	-0.7%	-1.4%	0.0%	1.0%	-0.4%	-1.6%	-3.0%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative B	7,198	10,843	12,874	15,688	23,865	15,610	10,205	10,029	11,603	14,366	10,475	8,092
Difference	196	271	1,108	-382	600	-317	-218	12	-589	4	-356	-528
Percent Difference	2.8%	2.6%	9.4%	-2.4%	2.6%	-2.0%	-2.1%	0.1%	-4.8%	0.0%	-3.3%	-6.1%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative B	6,901	7,946	13,885	9,599	12,462	8,495	8,075	7,931	10,694	12,987	9,957	5,947
Difference	473	577	897	383	715	-421	-421	-654	-785	-80	-308	198
Percent Difference	7.4%	7.8%	6.9%	4.2%	6.1%	-4.7%	-5.0%	-7.6%	-6.8%	-0.6%	-3.0%	3.4%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative B	6,161	7,235	13,380	7,809	9,796	8,059	6,898	7,852	10,872	13,549	10,555	6,094
Difference	-597	537	690	765	740	-338	-934	-720	-955	34	-264	0
Percent Difference	-8.8%	8.0%	5.4%	10.9%	8.2%	-4.0%	-11.9%	-8.4%	-8.1%	0.3%	-2.4%	0.0%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative B	6,070	5,435	6,434	6,659	6,902	6,070	6,579	6,767	10,789	12,274	10,188	6,298
Difference	-46	8	47	318	305	-27	-1,040	-941	-341	-482	426	613
Percent Difference	-0.8%	0.1%	0.7%	5.0%	4.6%	-0.4%	-13.7%	-12.2%	-3.1%	-3.8%	4.4%	10.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-11-5b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

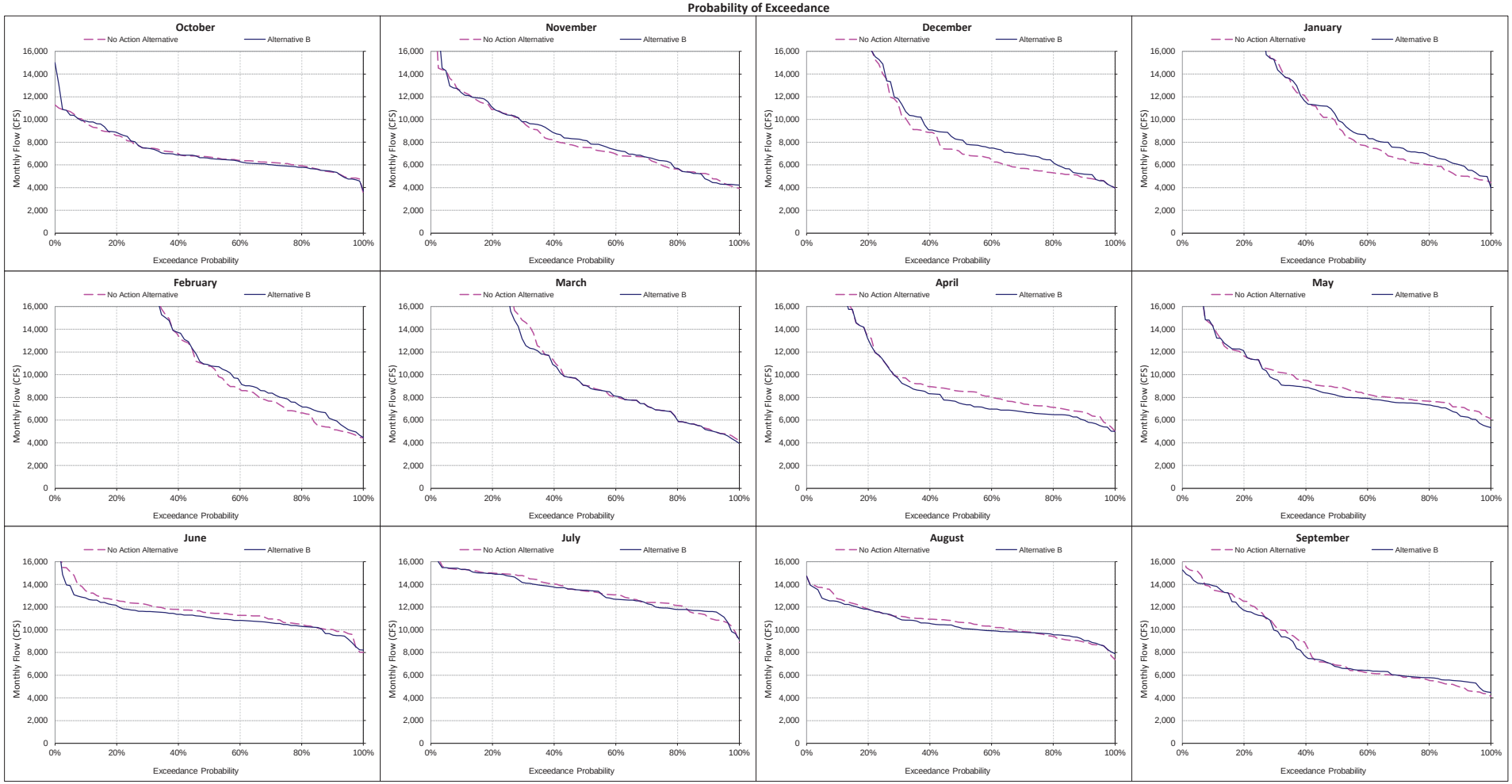

Table SW-11-5b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	15,004	3,726	33.0%
1.2%	11,021	13,120	2,100	19.1%
2.5%	10,886	10,870	-16	-0.1%
3.7%	10,809	10,809	0	0.0%
4.9%	10,697	10,382	-315	-2.9%
6.2%	10,470	10,366	-104	-1.0%
7.4%	10,086	10,096	9	0.1%
8.6%	10,046	9,906	-141	-1.4%
9.9%	9,702	9,869	168	1.7%
11.1%	9,490	9,795	304	3.2%
12.3%	9,320	9,782	462	5.0%
13.6%	9,276	9,639	362	3.9%
14.8%	9,047	9,604	558	6.2%
16.0%	8,947	9,357	410	4.6%
17.3%	8,943	8,949	6	0.1%
18.5%	8,799	8,941	142	1.6%
19.8%	8,607	8,900	293	3.4%
21.0%	8,555	8,736	182	2.1%
22.2%	8,390	8,596	206	2.5%
23.5%	8,131	8,521	390	4.8%
24.7%	8,081	8,107	25	0.3%
25.9%	7,773	8,040	267	3.4%
27.2%	7,713	7,676	-37	-0.5%
28.4%	7,498	7,496	-3	0.0%
29.6%	7,492	7,480	-12	-0.2%
30.9%	7,473	7,436	-37	-0.5%
32.1%	7,460	7,361	-98	-1.3%
33.3%	7,395	7,242	-153	-2.1%
34.6%	7,244	7,057	-187	-2.6%
35.8%	7,219	7,002	-217	-3.0%
37.0%	7,177	6,996	-181	-2.5%
38.3%	7,147	6,966	-180	-2.5%
39.5%	7,066	6,879	-188	-2.7%
40.7%	6,852	6,876	23	0.3%
42.0%	6,822	6,868	46	0.7%
43.2%	6,805	6,867	62	0.9%
44.4%	6,792	6,861	69	1.0%
45.7%	6,780	6,788	8	0.1%
46.9%	6,757	6,635	-121	-1.8%
48.1%	6,753	6,631	-122	-1.8%
49.4%	6,719	6,615	-104	-1.5%
50.6%	6,681	6,536	-145	-2.2%
51.9%	6,634	6,533	-101	-1.5%
53.1%	6,591	6,493	-98	-1.5%
54.3%	6,495	6,478	-17	-0.3%
55.6%	6,493	6,462	-31	-0.5%
56.8%	6,486	6,430	-55	-0.9%
58.0%	6,475	6,410	-65	-1.0%
59.3%	6,415	6,352	-62	-1.0%
60.5%	6,397	6,258	-140	-2.2%
61.7%	6,364	6,173	-191	-3.0%
63.0%	6,357	6,169	-188	-3.0%
64.2%	6,334	6,131	-204	-3.2%
65.4%	6,301	6,113	-187	-3.0%
66.7%	6,251	6,108	-143	-2.3%
67.9%	6,243	6,093	-150	-2.4%
69.1%	6,226	6,042	-184	-3.0%
70.4%	6,210	6,005	-205	-3.3%
71.6%	6,196	5,971	-224	-3.6%
72.8%	6,162	5,945	-217	-3.5%
74.1%	6,115	5,920	-194	-3.2%
75.3%	6,113	5,899	-214	-3.5%
76.5%	6,032	5,874	-158	-2.6%
77.8%	6,017	5,851	-165	-2.7%
79.0%	5,939	5,788	-151	-2.5%
80.2%	5,920	5,781	-139	-2.4%
81.5%	5,845	5,756	-89	-1.5%
82.7%	5,792	5,669	-122	-2.1%
84.0%	5,696	5,646	-50	-0.9%
85.2%	5,619	5,597	-22	-0.4%
86.4%	5,481	5,507	26	0.5%
87.7%	5,443	5,492	49	0.9%
88.9%	5,399	5,471	72	1.3%
90.1%	5,369	5,415	46	0.9%
91.4%	5,261	5,329	68	1.3%
92.6%	5,144	5,084	-60	-1.2%
93.8%	4,960	4,890	-70	-1.4%
95.1%	4,854	4,769	-85	-1.8%
96.3%	4,850	4,756	-94	-1.9%
97.5%	4,838	4,702	-137	-2.8%
98.8%	4,746	4,584	-162	-3.4%
100.0%	3,451	3,683	232	6.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	35,328	-992	-2.7%
1.2%	20,310	20,310	0	0.0%
2.5%	14,530	18,203	3,674	25.3%
3.7%	14,384	14,530	146	1.0%
4.9%	14,311	14,291	-20	-0.1%
6.2%	13,627	12,966	-660	-4.8%
7.4%	13,326	12,780	-546	-4.1%
8.6%	12,640	12,741	100	0.8%
9.9%	12,564	12,382	-183	-1.5%
11.1%	12,357	12,135	-222	-1.8%
12.3%	12,201	12,112	-89	-0.7%
13.6%	11,943	11,946	3	0.0%
14.8%	11,732	11,907	175	1.5%
16.0%	11,535	11,889	354	3.1%
17.3%	11,403	11,817	414	3.6%
18.5%	11,371	11,562	191	1.7%
19.8%	10,885	11,124	239	2.2%
21.0%	10,881	10,827	-54	-0.5%
22.2%	10,734	10,695	-39	-0.4%
23.5%	10,536	10,533	-3	0.0%
24.7%	10,508	10,413	-95	-0.9%
25.9%	10,442	10,371	-71	-0.7%
27.2%	10,198	10,319	120	1.2%
28.4%	10,154	10,145	-9	-0.1%
29.6%	9,847	9,811	-36	-0.4%
30.9%	9,511	9,799	288	3.0%
32.1%	9,280	9,626	347	3.7%
33.3%	9,127	9,615	489	5.4%
34.6%	9,085	9,568	483	5.3%
35.8%	8,732	9,477	745	8.5%
37.0%	8,365	9,325	960	11.5%
38.3%	8,275	9,091	817	9.9%
39.5%	8,215	8,863	649	7.9%
40.7%	8,058	8,741	684	8.5%
42.0%	7,979	8,674	696	8.7%
43.2%	7,920	8,382	462	5.8%
44.4%	7,798	8,356	559	7.2%
45.7%	7,766	8,304	539	6.9%
46.9%	7,692	8,291	599	7.8%
48.1%	7,557	8,267	710	9.4%
49.4%	7,552	8,186	634	8.4%
50.6%	7,531	8,124	592	7.9%
51.9%	7,531	7,848	317	4.2%
53.1%	7,323	7,823	500	6.8%
54.3%	7,258	7,814	556	7.7%
55.6%	7,221	7,698	477	6.6%
56.8%	7,166	7,599	433	6.0%
58.0%	7,119	7,455	336	4.7%
59.3%	7,037	7,369	333	4.7%
60.5%	6,869	7,292	423	6.2%
61.7%	6,795	7,217	422	6.2%
63.0%	6,786	7,167	381	5.6%
64.2%	6,771	6,945	173	2.6%
65.4%	6,760	6,938	178	2.6%
66.7%	6,737	6,866	129	1.9%
67.9%	6,732	6,847	115	1.7%
69.1%	6,732	6,717	-15	-0.2%
70.4%	6,580	6,660	80	1.2%
71.6%	6,343	6,595	252	4.0%
72.8%	6,225	6,470	245	3.9%
74.1%	6,082	6,398	316	5.2%
75.3%	5,913	6,370	457	7.7%
76.5%	5,806	6,323	517	8.9%
77.8%	5,668	6,191	523	9.2%
79.0%	5,648	5,752	105	1.9%
80.2%	5,638	5,682	44	0.8%
81.5%	5,449	5,427	-22	-0.4%
82.7%	5,429	5,387	-43	-0.8%
84.0%	5,387	5,355	-32	-0.6%
85.2%	5,379	5,258	-121	-2.2%
86.4%	5,280	5,251	-29	-0.5%
87.7%	5,259	5,203	-56	-1.1%
88.9%	5,253	4,777	-477	-9.1%
90.1%	5,153	4,638	-515	-10.0%
91.4%	4,790	4,439	-351	-7.3%
92.6%	4,748	4,425	-323	-6.8%
93.8%	4,579	4,321	-258	-5.6%
95.1%	4,376	4,291	-86	-2.0%
96.3%	4,239	4,286	47	1.1%
97.5%	4,128	4,279	152	3.7%
98.8%	4,029	4,255	226	5.6%
100.0%	3,936	4,230	294	7.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,822	0	0.0%
1.2%	41,259	39,421	-1,838	-4.5%
2.5%	34,922	34,901	-21	-0.1%
3.7%	34,074	33,705	-369	-1.1%
4.9%	33,410	32,194	-1,216	-3.6%
6.2%	31,136	30,377	-759	-2.4%
7.4%	29,912	29,917	4	0.0%
8.6%	29,696	29,130	-565	-1.9%
9.9%	25,091	27,765	2,674	10.7%
11.1%	23,809	24,997	1,187	5.0%
12.3%	22,287	23,816	1,529	6.9%
13.6%	21,560	23,243	1,684	7.8%
14.8%	21,351	23,093	1,742	8.2%
16.0%	20,125	21,346	1,221	6.1%
17.3%	18,729	20,975	2,247	12.0%
18.5%	18,189	20,272	2,083	11.5%
19.8%	17,210	20,179	2,970	17.3%
21.0%	16,249	16,058	-191	-1.2%
22.2%	15,283	15,515	232	1.5%
23.5%	14,883	15,284	401	2.7%
24.7%	14,038	14,883	845	6.0%
25.9%	13,574	13,404	-170	-1.3%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	126	1.1%
29.6%	11,462	11,830	368	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.7%
33.3%	9,607	10,366	759	7.9%
34.6%	9,114	10,324	1,210	13.3%
35.8%	9,104	10,241	1,138	12.5%
37.0%	9,074	10,203	1,130	12.4%
38.3%	8,927	9,509	581	6.5%
39.5%	8,872	9,082	210	2.4%
40.7%	8,860	9,068	208	2.3%
42.0%	8,688	8,988	300	3.5%
43.2%	7,771	8,909	1,137	14.6%
44.4%	7,415	8,886	1,471	19.8%
45.7%	7,384	8,866	1,482	20.1%
46.9%	7,383	8,508	1,124	15.2%
48.1%	7,342	8,281	939	12.8%
49.4%	7,231	8,226	995	13.8%
50.6%	6,951	8,180	1,229	17.7%
51.9%	6,923	7,829	906	13.1%
53.1%	6,810	7,767	957	14.1%
54.3%	6,783	7,762	979	14.4%
55.6%	6,775	7,737	962	14.2%
56.8%	6,771	7,650	880	13.0%
58.0%	6,681	7,587	906	13.6%
59.3%	6,603	7,486	882	13.4%
60.5%	6,255	7,479	1,224	19.6%
61.7%	6,243	7,386	1,143	18.3%
63.0%	6,143	7,329	1,186	19.3%
64.2%	5,994	7,104	1,110	18.5%
65.4%	5,954	7,099	1,145	19.2%
66.7%	5,831	7,060	1,230	21.1%
67.9%	5,815	6,963	1,148	19.7%
69.1%	5,705	6,951	1,246	21.8%
70.4%	5,690	6,937	1,246	21.9%
71.6%	5,676	6,867	1,190	21.0%
72.8%	5,570	6,801	1,231	22.1%
74.1%	5,524	6,778	1,254	22.7%
75.3%	5,475	6,700	1,225	22.4%
76.5%	5,461	6,528	1,066	19.5%
77.8%	5,365	6,463	1,097	20.4%
79.0%	5,347	6,450	1,103	20.6%
80.2%	5,293	6,153	860	16.3%
81.5%	5,235	5,956	722	13.8%
82.7%	5,225	5,837	613	11.7%
84.0%	5,163	5,683	520	10.1%
85.2%	5,153	5,662	509	9.9%
86.4%	5,126	5,345	219	4.3%
87.7%	5,121	5,267	146	2.9%
88.9%	4,931	5,237	306	6.2%
90.1%	4,891	5,185	294	6.0%
91.4%	4,816	5,162	346	7.2%
92.6%	4,778	5,143	365	7.6%
93.8%	4,711	4,710	-1	0.0%
95.1%	4,676	4,609	-67	-1.4%
96.3%	4,606	4,605	-1	0.0%
97.5%	4,303	4,302	-1	0.0%
98.8%	4,144	4,143	-2	0.0%
100.0%	3,976	3,982	7	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,541	77,543	2	0.0%
1.2%	57,064	57,064	0	0.0%
2.5%	51,783	51,797	14	0.0%
3.7%	50,578	50,586	9	0.0%
4.9%	42,791	44,093	1,301	3.0%
6.2%	41,455	40,568	-887	-2.1%
7.4%	40,574	39,654	-921	-2.3%
8.6%	34,319	37,086	2,766	8.1%
9.9%	31,949	31,955	5	0.0%
11.1%	30,488	30,484	-3	0.0%
12.3%	27,474	28,595	1,120	4.1%
13.6%	26,710	26,706	-3	0.0%
14.8%	26,677	26,524	-153	-0.6%
16.0%	26,519	26,247	-272	-1.0%
17.3%	25,821	23,507	-2,314	-9.0%
18.5%	23,516	22,710	-806	-3.4%
19.8%	22,709	20,122	-2,588	-11.4%
21.0%	20,817	20,106	-711	-3.4%
22.2%	20,128	19,940	-188	-0.9%
23.5%	19,931	19,278	-653	-3.3%
24.7%	19,542	19,112	-430	-2.2%
25.9%	18,554	18,686	131	0.7%
27.2%	17,321	15,701	-1,620	-9.4%
28.4%	15,412	15,410	-2	0.0%
29.6%	15,293	15,296	3	0.0%
30.9%	15,065	14,354	-711	-4.7%
32.1%	14,349	14,058	-291	-2.0%
33.3%	13,725	13,717	-9	-0.1%
34.6%	13,620	13,619	-1	0.0%
35.8%	12,821	13,406	585	4.6%
37.0%	12,374	12,986	613	5.0%
38.3%	12,238	12,136	-102	-0.8%
39.5%	12,136	11,656	-481	-4.0%
40.7%	11,655	11,355	-300	-2.6%
42.0%	11,231	11,327	96	0.9%
43.2%	11,163	11,270	107	1.0%
44.4%	10,534	11,224	690	6.6%
45.7%	10,196	11,181	985	9.7%
46.9%	10,174	11,163	989	9.7%
48.1%	10,158	10,935	777	7.7%
49.4%	9,932	10,525	593	6.0%
50.6%	9,218	9,887	669	7.3%
51.9%	8,976	9,746	770	8.6%
53.1%	8,414	9,350	936	11.1%
54.3%	8,351	9,092	741	8.9%
55.6%	8,186	8,858	672	8.2%
56.8%	7,851	8,745	894	11.4%
58.0%	7,754	8,685	932	12.0%
59.3%	7,709	8,659	950	12.3%
60.5%	7,524	8,311	787	10.5%
61.7%	7,468	8,300	832	11.1%
63.0%	7,444	8,136	692	9.3%
64.2%	7,302	8,039	736	10.1%
65.4%	7,132	7,999	866	12.1%
66.7%	6,786	7,992	1,206	17.8%
67.9%	6,714	7,563	849	12.6%
69.1%	6,603	7,540	937	14.2%
70.4%	6,528	7,526	998	15.3%
71.6%	6,516	7,469	953	14.6%
72.8%	6,302	7,207	905	14.4%
74.1%	6,212	7,144	931	15.0%
75.3%	6,147	7,137	990	16.1%
76.5%	6,125	7,081	957	15.6%
77.8%	6,103	7,075	972	15.9%
79.0%	6,029	6,982	953	15.8%
80.2%	6,012	6,784	773	12.9%
81.5%	5,973	6,715	742	12.4%
82.7%	5,883	6,587	704	12.0%
84.0%	5,882	6,531	648	11.0%
85.2%	5,483	6,474	991	18.1%
86.4%	5,441	6,290	849	15.6%
87.7%	5,282	6,132	851	16.1%
88.9%	5,048	6,087	1,039	20.6%
90.1%	5,016	5,979	963	19.2%
91.4%	5,009	5,881	873	17.4%
92.6%	4,992	5,535	543	10.9%
93.8%	4,841	5,514	674	13.9%
95.1%	4,793	5,312	519	10.8%
96.3%	4,680	5,046	366	7.8%
97.5%	4,671	5,011	341	7.3%
98.8%	4,595	4,988	393	8.6%
100.0%	4,441	3,966	-475	-10.7%

Table SW-11-5b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,741	73,731	-10	0.0%
1.2%	62,985	67,855	4,870	7.7%
2.5%	62,796	65,197	2,401	3.8%
3.7%	55,334	55,332	-3	0.0%
4.9%	48,194	49,745	1,550	3.2%
6.2%	47,418	49,587	2,169	4.6%
7.4%	45,743	47,085	1,342	2.9%
8.6%	43,850	43,902	52	0.1%
9.9%	43,343	43,345	3	0.0%
11.1%	42,098	42,447	350	0.8%
12.3%	39,597	41,892	2,296	5.8%
13.6%	39,566	39,600	34	0.1%
14.8%	37,756	37,773	17	0.0%
16.0%	32,915	32,915	-1	0.0%
17.3%	32,825	32,825	0	0.0%
18.5%	30,984	30,985	1	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,913	0	0.0%
22.2%	27,169	27,174	5	0.0%
23.5%	24,392	24,695	303	1.2%
24.7%	24,232	24,493	261	1.1%
25.9%	23,284	23,626	343	1.5%
27.2%	20,793	23,280	2,487	12.0%
28.4%	20,711	21,548	837	4.0%
29.6%	19,550	20,804	1,254	6.4%
30.9%	17,705	17,589	-116	-0.7%
32.1%	17,162	17,526	364	2.1%
33.3%	16,589	16,575	-14	-0.1%
34.6%	15,790	15,290	-500	-3.2%
35.8%	15,288	15,042	-247	-1.6%
37.0%	14,927	14,763	-165	-1.1%
38.3%	13,915	13,922	7	0.0%
39.5%	13,642	13,754	113	0.8%
40.7%	13,102	13,641	539	4.1%
42.0%	12,925	13,110	185	1.4%
43.2%	12,797	12,918	121	0.9%
44.4%	12,302	12,304	2	0.0%
45.7%	11,183	11,832	649	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,952	-1	0.0%
49.4%	10,770	10,903	133	1.2%
50.6%	10,733	10,766	33	0.3%
51.9%	10,471	10,719	249	2.4%
53.1%	9,836	10,701	865	8.8%
54.3%	9,691	10,471	780	8.0%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,133	1,181	13.2%
58.0%	8,944	9,714	770	8.6%
59.3%	8,826	9,682	855	9.7%
60.5%	8,597	9,138	541	6.3%
61.7%	8,587	9,027	441	5.1%
63.0%	8,528	9,019	491	5.8%
64.2%	8,450	8,951	500	5.9%
65.4%	8,182	8,838	657	8.0%
66.7%	7,885	8,600	714	9.1%
67.9%	7,822	8,585	763	9.8%
69.1%	7,680	8,385	706	9.2%
70.4%	7,649	8,380	731	9.6%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,026	672	9.1%
74.1%	7,145	7,961	817	11.4%
75.3%	6,833	7,857	1,024	15.0%
76.5%	6,828	7,587	760	11.1%
77.8%	6,797	7,576	779	11.5%
79.0%	6,633	7,324	691	10.4%
80.2%	6,630	7,146	517	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,045	552	8.5%
84.0%	5,844	6,873	1,029	17.6%
85.2%	5,509	6,774	1,265	23.0%
86.4%	5,471	6,695	1,224	22.4%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,160	783	14.6%
90.1%	5,165	6,022	857	16.6%
91.4%	5,143	5,916	773	15.0%
92.6%	5,056	5,615	559	11.1%
93.8%	4,970	5,376	406	8.2%
95.1%	4,910	5,160	251	5.1%
96.3%	4,794	5,058	265	5.5%
97.5%	4,666	4,970	304	6.5%
98.8%	4,495	4,671	176	3.9%
100.0%	4,441	4,460	19	0.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,281	69,282	2	0.0%
1.2%	69,130	69,133	3	0.0%
2.5%	53,612	53,620	8	0.0%
3.7%	50,175	48,170	-2,005	-4.0%
4.9%	46,777	46,777	0	0.0%
6.2%	39,468	36,089	-3,380	-8.6%
7.4%	33,138	33,114	-24	-0.1%
8.6%	31,967	31,949	-18	-0.1%
9.9%	29,384	29,386	3	0.0%
11.1%	26,760	26,762	2	0.0%
12.3%	25,167	25,168	2	0.0%
13.6%	23,886	24,660	775	3.2%
14.8%	21,386	21,388	3	0.0%
16.0%	20,528	20,533	5	0.0%
17.3%	19,947	19,930	-17	-0.1%
18.5%	19,929	19,135	-795	-4.0%
19.8%	19,871	18,977	-894	-4.5%
21.0%	19,134	18,874	-260	-1.4%
22.2%	18,532	18,534	2	0.0%
23.5%	18,238	17,897	-340	-1.9%
24.7%	17,674	17,676	2	0.0%
25.9%	17,354	15,588	-1,766	-10.2%
27.2%	15,647	14,804	-843	-5.4%
28.4%	15,302	14,259	-1,043	-6.8%
29.6%	14,801	13,182	-1,619	-10.9%
30.9%	14,581	12,559	-2,022	-13.9%
32.1%	14,256	12,339	-1,917	-13.4%
33.3%	13,653	12,254	-1,399	-10.2%
34.6%	12,557	12,113	-444	-3.5%
35.8%	12,342	11,820	-521	-4.2%
37.0%	11,751	11,793	41	0.4%
38.3%	11,699	11,692	-7	-0.1%
39.5%	11,358	10,891	-467	-4.1%
40.7%	10,908	10,668	-240	-2.2%
42.0%	10,645	10,139	-506	-4.8%
43.2%	9,868	9,865	-3	0.0%
44.4%	9,798	9,794	-4	0.0%
45.7%	9,735	9,729	-5	-0.1%
46.9%	9,700	9,693	-7	-0.1%
48.1%	9,419	9,416	-3	0.0%
49.4%	9,087	9,062	-25	-0.3%
50.6%	9,033	9,027	-5	-0.1%
51.9%	8,992	8,778	-214	-2.4%
53.1%	8,776	8,698	-78	-0.9%
54.3%	8,697	8,650	-47	-0.5%
55.6%	8,605	8,606	1	0.0%
56.8%	8,491	8,536	45	0.5%
58.0%	8,153	8,495	342	4.2%
59.3%	8,092	8,161	69	0.9%
60.5%	8,017	8,097	80	1.0%
61.7%	7,902	8,013	111	1.4%
63.0%	7,809	7,804	-5	-0.1%
64.2%	7,765	7,766	1	0.0%
65.4%	7,764	7,761	-3	0.0%
66.7%	7,759	7,755	-4	-0.1%
67.9%	7,467	7,466	-1	0.0%
69.1%	7,448	7,442	-6	-0.1%
70.4%	7,189	7,189	0	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,892	-8	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,838	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,751	-4	-0.1%
79.0%	6,399	6,396	-2	0.0%
80.2%	5,876	5,869	-7	-0.1%
81.5%	5,846	5,847	1	0.0%
82.7%	5,793	5,793	0	0.0%
84.0%	5,674	5,674	0	0.0%
85.2%	5,665	5,654	-11	-0.2%
86.4%	5,531	5,532	1	0.0%
87.7%	5,469	5,468	-1	0.0%
88.9%	5,283	5,173	-111	-2.1%
90.1%	5,214	5,083	-132	-2.5%
91.4%	5,038	5,029	-9	-0.2%
92.6%	4,930	4,932	2	0.0%
93.8%	4,813	4,823	10	0.2%
95.1%	4,805	4,758	-47	-1.0%
96.3%	4,767	4,604	-163	-3.4%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,188	-200	-4.6%
100.0%	4,197	3,964	-233	-5.5%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,231	41,237	5	0.0%
1.2%	33,731	33,732	2	0.0%
2.5%	24,731	24,732	1	0.0%
3.7%	23,667	23,665	-3	0.0%
4.9%	22,398	22,412	14	0.1%
6.2%	22,070	22,063	-6	0.0%
7.4%	17,934	17,932	-1	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	0	0.0%
11.1%	16,912	16,913	1	0.0%
12.3%	16,879	16,886	7	0.0%
13.6%	16,204	15,744	-460	-2.8%
14.8%	15,744	15,740	-5	0.0%
16.0%	14,572	14,574	2	0.0%
17.3%	14,317	14,319	1	0.0%
18.5%	14,172	14,176	4	0.0%
19.8%	13,397	13,196	-201	-1.5%
21.0%	13,196	12,504	-692	-5.2%
22.2%	11,941	11,943	2	0.0%
23.5%	11,702	11,708	6	0.1%
24.7%	11,304	11,305	1	0.0%
25.9%	10,873	10,874	2	0.0%
27.2%	10,482	10,342	-140	-1.3%
28.4%	9,935	9,976	41	0.4%
29.6%	9,824	9,665	-159	-1.6%
30.9%	9,743	9,254	-489	-5.0%
32.1%	9,704	9,084	-619	-6.4%
33.3%	9,425	8,926	-499	-5.3%
34.6%	9,256	8,742	-514	-5.5%
35.8%	9,204	8,652	-552	-6.0%
37.0%	9,191	8,602	-589	-6.4%
38.3%	9,091	8,529	-562	-6.2%
39.5%	8,944	8,330	-614	-6.9%
40.7%	8,926	8,316	-610	-6.8%
42.0%	8,890	8,278	-612	-6.9%
43.2%	8,836	8,264	-572	-6.5%
44.4%	8,818	7,767	-1,051	-11.9%
45.7%	8,759	7,762	-998	-11.4%
46.9%	8,719	7,714	-1,005	-11.5%
48.1%	8,604	7,663	-941	-10.9%
49.4%	8,552	7,514	-1,038	-12.1%
50.6%	8,533	7,406	-1,127	-13.2%
51.9%	8,509	7,353	-1,157	-13.6%
53.1%	8,502	7,340	-1,162	-13.7%
54.3%	8,479	7,174	-1,305	-15.4%
55.6%	8,440	7,162	-1,278	-15.1%
56.8%	8,195	7,141	-1,054	-12.9%
58.0%	8,110	7,039	-1,071	-13.2%
59.3%	8,105	6,973	-1,132	-14.0%
60.5%	7,964	6,969	-994	-12.5%
61.7%	7,912	6,964	-948	-12.0%
63.0%	7,866	6,890	-975	-12.4%
64.2%	7,734	6,879	-855	-11.0%
65.4%	7,657	6,877	-780	-10.2%
66.7%	7,630	6,859	-771	-10.1%
67.9%	7,556	6,811	-745	-9.9%
69.1%	7,550	6,769	-782	-10.4%
70.4%	7,418	6,719	-699	-9.4%
71.6%	7,381	6,664	-717	-9.7%
72.8%	7,305	6,661	-645	-8.8%
74.1%	7,286	6,583	-703	-9.6%
75.3%	7,256	6,568	-687	-9.5%
76.5%	7,254	6,542	-712	-9.8%
77.8%	7,228	6,521	-707	-9.8%
79.0%	7,147	6,493	-654	-9.1%
80.2%	7,122	6,487	-636	-8.9%
81.5%	7,050	6,476	-574	-8.1%
82.7%	7,016	6,473	-543	-7.7%
84.0%	6,940	6,456	-484	-7.0%
85.2%	6,872	6,419	-453	-6.6%
86.4%	6,806	6,288	-518	-7.6%
87.7%	6,783	6,285	-498	-7.3%
88.9%	6,733	6,082	-651	-9.7%
90.1%	6,694	5,992	-702	-10.5%
91.4%	6,557	5,815	-742	-11.3%
92.6%	6,369	5,757	-613	-9.6%
93.8%	6,322	5,681	-641	-10.1%
95.1%	6,318	5,523	-795	-12.6%
96.3%	5,821	5,407	-414	-7.1%
97.5%	5,651	5,379	-272	-4.8%
98.8%	5,380	5,022	-358	-6.7%
100.0%	5,024	5,011	-12	-0.2%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,596	22,597	1	0.0%
1.2%	19,337	19,339	2	0.0%
2.5%	18,463	18,464	1	0.0%
3.7%	18,153	18,155	2	0.0%
4.9%	17,616	17,615	-1	0.0%
6.2%	17,362	17,363	1	0.0%
7.4%	14,874	14,838	-36	-0.2%
8.6%	14,596	14,801	205	1.4%
9.9%	14,329	14,256	-73	-0.5%
11.1%	13,696	13,219	-477	-3.5%
12.3%	13,203	13,204	1	0.0%
13.6%	12,531	12,768	237	1.9%
14.8%	12,265	12,532	267	2.2%
16.0%	12,225	12,295	70	0.6%
17.3%	12,133	12,264	131	1.1%
18.5%	12,062	12,258	197	1.6%
19.8%	11,691	12,132	441	3.8%
21.0%	11,497	11,497	0	0.0%
22.2%	11,382	11,359	-23	-0.2%
23.5%	11,357	11,316	-40	-0.4%
24.7%	11,312	11,309	-2	0.0%
25.9%	10,585	10,513	-72	-0.7%
27.2%	10,572	10,352	-220	-2.1%
28.4%	10,483	9,818	-665	-6.3%
29.6%	10,388	9,628	-760	-7.3%
30.9%	10,231	9,505	-726	-7.1%
32.1%	10,177	9,090	-1,087	-10.7%
33.3%	10,136	9,057	-1,079	-10.6%
34.6%	10,069	9,050	-1,020	-10.1%
35.8%	9,956	9,035	-922	-9.3%
37.0%	9,623	8,980	-643	-6.7%
38.3%	9,548	8,958	-590	-6.2%
39.5%	9,509	8,895	-614	-6.5%
40.7%	9,465	8,866	-599	-6.3%
42.0%	9,292	8,750	-543	-5.8%
43.2%	9,083	8,673	-410	-4.5%
44.4%	9,049	8,529	-520	-5.7%
45.7%	8,992	8,416	-576	-6.4%
46.9%	8,986	8,371	-615	-6.8%
48.1%	8,979	8,303	-676	-7.5%
49.4%	8,892	8,239	-653	-7.3%
50.6%	8,866	8,120	-746	-8.4%
51.9%	8,860	8,061	-800	-9.0%
53.1%	8,751	7,999	-752	-8.6%
54.3%	8,622	7,993	-629	-7.3%
55.6%	8,599	7,973	-626	-7.3%
56.8%	8,469	7,964	-505	-6.0%
58.0%	8,449	7,929	-520	-6.2%
59.3%	8,268	7,922	-347	-4.2%
60.5%	8,238	7,898	-340	-4.1%
61.7%	8,173	7,816	-358	-4.4%
63.0%	8,074	7,786	-288	-3.6%
64.2%	8,064	7,769	-295	-3.7%
65.4%	8,061	7,707	-354	-4.4%
66.7%	8,026	7,659	-366	-4.6%
67.9%	8,005	7,593	-412	-5.1%
69.1%	7,958	7,547	-411	-5.2%
70.4%	7,941	7,539	-402	-5.1%
71.6%	7,859	7,528	-331	-4.2%
72.8%	7,841	7,499	-342	-4.4%
74.1%	7,816	7,496	-319	-4.1%
75.3%	7,759	7,492	-267	-3.4%
76.5%	7,732	7,460	-272	-3.5%
77.8%	7,702	7,400	-302	-3.9%
79.0%	7,691	7,341	-350	-4.6%
80.2%	7,664	7,326	-338	-4.4%
81.5%	7,622	7,227	-395	-5.2%
82.7%	7,612	7,199	-413	-5.4%
84.0%	7,572	7,078	-494	-6.5%
85.2%	7,555	7,076	-479	-6.3%
86.4%	7,493	6,918	-575	-7.7%
87.7%	7,170	6,737	-433	-6.0%
88.9%	7,164	6,651	-513	-7.2%
90.1%	7,147	6,338	-809	-11.3%
91.4%	7,104	6,308	-797	-11.2%
92.6%	6,900	6,244	-656	-9.5%
93.8%	6,834	6,084	-750	-11.0%
95.1%	6,809	6,056	-753	-11.1%
96.3%	6,719	5,710	-1,009	-15.0%
97.5%	6,356	5,537	-819	-12.9%
98.8%	6,283	5,427	-857	-13.6%
100.0%	6,118	5,335	-784	-12.8%

Table SW-11-5b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,044	1	0.0%
1.2%	17,350	17,349	0	0.0%
2.5%	15,488	14,880	-608	-3.9%
3.7%	15,474	13,953	-1,520	-9.8%
4.9%	15,121	13,897	-1,224	-8.1%
6.2%	14,805	13,084	-1,721	-11.6%
7.4%	13,967	12,968	-1,000	-7.2%
8.6%	13,840	12,880	-960	-6.9%
9.9%	13,454	12,818	-636	-4.7%
11.1%	13,235	12,655	-581	-4.4%
12.3%	13,234	12,623	-611	-4.6%
13.6%	13,019	12,618	-400	-3.1%
14.8%	12,908	12,411	-497	-3.9%
16.0%	12,759	12,407	-352	-2.8%
17.3%	12,745	12,282	-463	-3.6%
18.5%	12,674	12,214	-460	-3.6%
19.8%	12,625	12,176	-449	-3.6%
21.0%	12,521	11,960	-561	-4.5%
22.2%	12,493	11,826	-667	-5.3%
23.5%	12,391	11,810	-581	-4.7%
24.7%	12,359	11,733	-625	-5.1%
25.9%	12,351	11,717	-635	-5.1%
27.2%	12,323	11,624	-699	-5.7%
28.4%	12,305	11,621	-684	-5.6%
29.6%	12,235	11,609	-626	-5.1%
30.9%	12,135	11,605	-530	-4.4%
32.1%	12,031	11,578	-453	-3.8%
33.3%	12,014	11,556	-458	-3.8%
34.6%	11,959	11,540	-419	-3.5%
35.8%	11,839	11,522	-317	-2.7%
37.0%	11,817	11,460	-357	-3.0%
38.3%	11,808	11,453	-356	-3.0%
39.5%	11,803	11,360	-444	-3.8%
40.7%	11,756	11,354	-402	-3.4%
42.0%	11,745	11,299	-446	-3.8%
43.2%	11,735	11,297	-438	-3.7%
44.4%	11,711	11,295	-417	-3.6%
45.7%	11,672	11,223	-450	-3.9%
46.9%	11,668	11,209	-460	-3.9%
48.1%	11,546	11,169	-377	-3.3%
49.4%	11,509	11,097	-412	-3.6%
50.6%	11,473	11,048	-426	-3.7%
51.9%	11,451	10,981	-470	-4.1%
53.1%	11,448	10,951	-496	-4.3%
54.3%	11,438	10,917	-521	-4.6%
55.6%	11,420	10,915	-505	-4.4%
56.8%	11,354	10,899	-455	-4.0%
58.0%	11,330	10,835	-495	-4.4%
59.3%	11,279	10,829	-449	-4.0%
60.5%	11,266	10,822	-445	-3.9%
61.7%	11,258	10,813	-444	-3.9%
63.0%	11,255	10,785	-470	-4.2%
64.2%	11,228	10,755	-473	-4.2%
65.4%	11,227	10,740	-486	-4.3%
66.7%	11,214	10,713	-500	-4.5%
67.9%	11,120	10,696	-424	-3.8%
69.1%	10,966	10,646	-320	-2.9%
70.4%	10,950	10,594	-356	-3.3%
71.6%	10,921	10,549	-371	-3.4%
72.8%	10,873	10,548	-325	-3.0%
74.1%	10,641	10,474	-167	-1.6%
75.3%	10,609	10,472	-137	-1.3%
76.5%	10,600	10,375	-226	-2.1%
77.8%	10,549	10,371	-179	-1.7%
79.0%	10,507	10,340	-167	-1.6%
80.2%	10,444	10,291	-153	-1.5%
81.5%	10,359	10,267	-92	-0.9%
82.7%	10,334	10,238	-96	-0.9%
84.0%	10,228	10,232	4	0.0%
85.2%	10,155	10,195	39	0.4%
86.4%	10,111	10,070	-41	-0.4%
87.7%	10,048	9,671	-378	-3.8%
88.9%	10,039	9,655	-384	-3.8%
90.1%	10,016	9,525	-491	-4.9%
91.4%	9,858	9,494	-364	-3.7%
92.6%	9,853	9,491	-362	-3.7%
93.8%	9,811	9,440	-371	-3.8%
95.1%	9,657	9,180	-477	-4.9%
96.3%	9,601	8,861	-741	-7.7%
97.5%	8,461	8,494	34	0.4%
98.8%	8,032	8,239	207	2.6%
100.0%	8,015	8,210	195	2.4%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,021	17,021	1	0.0%
1.2%	16,939	16,924	-15	-0.1%
2.5%	16,320	15,980	-340	-2.1%
3.7%	15,597	15,480	-117	-0.7%
4.9%	15,434	15,471	37	0.2%
6.2%	15,395	15,432	37	0.2%
7.4%	15,362	15,430	68	0.4%
8.6%	15,324	15,425	101	0.7%
9.9%	15,321	15,328	7	0.0%
11.1%	15,320	15,326	6	0.0%
12.3%	15,281	15,271	-11	-0.1%
13.6%	15,205	15,087	-118	-0.8%
14.8%	15,171	15,027	-144	-1.0%
16.0%	15,092	15,016	-76	-0.5%
17.3%	15,031	15,009	-22	-0.1%
18.5%	15,018	14,967	-52	-0.3%
19.8%	15,008	14,959	-49	-0.3%
21.0%	14,977	14,904	-73	-0.5%
22.2%	14,960	14,899	-61	-0.4%
23.5%	14,941	14,864	-77	-0.5%
24.7%	14,908	14,750	-158	-1.1%
25.9%	14,899	14,709	-189	-1.3%
27.2%	14,870	14,640	-230	-1.5%
28.4%	14,783	14,427	-356	-2.4%
29.6%	14,772	14,182	-590	-4.0%
30.9%	14,679	14,111	-568	-3.9%
32.1%	14,480	14,081	-399	-2.8%
33.3%	14,460	14,034	-426	-2.9%
34.6%	14,421	13,952	-469	-3.3%
35.8%	14,212	13,908	-304	-2.1%
37.0%	14,145	13,886	-259	-1.8%
38.3%	14,092	13,827	-265	-1.9%
39.5%	14,041	13,807	-233	-1.7%
40.7%	14,027	13,720	-307	-2.2%
42.0%	13,901	13,714	-187	-1.3%
43.2%	13,866	13,711	-154	-1.1%
44.4%	13,591	13,609	19	0.1%
45.7%	13,564	13,592	29	0.2%
46.9%	13,545	13,534	-12	-0.1%
48.1%	13,489	13,508	19	0.1%
49.4%	13,448	13,480	32	0.2%
50.6%	13,397	13,477	80	0.6%
51.9%	13,363	13,439	75	0.6%
53.1%	13,315	13,420	105	0.8%
54.3%	13,291	13,406	115	0.9%
55.6%	13,175	13,086	-88	-0.7%
56.8%	13,125	12,835	-291	-2.2%
58.0%	13,104	12,795	-308	-2.4%
59.3%	13,079	12,713	-366	-2.8%
60.5%	13,071	12,676	-395	-3.0%
61.7%	13,009	12,664	-345	-2.7%
63.0%	12,853	12,632	-221	-1.7%
64.2%	12,790	12,619	-171	-1.3%
65.4%	12,710	12,612	-98	-0.8%
66.7%	12,657	12,552	-105	-0.8%
67.9%	12,487	12,546	59	0.5%
69.1%	12,464	12,430	-34	-0.3%
70.4%	12,406	12,272	-133	-1.1%
71.6%	12,405	12,221	-184	-1.5%
72.8%	12,403	12,002	-401	-3.2%
74.1%	12,386	11,942	-444	-3.6%
75.3%	12,360	11,921	-439	-3.6%
76.5%	12,336	11,912	-423	-3.4%
77.8%	12,320	11,866	-454	-3.7%
79.0%	12,155	11,808	-346	-2.8%
80.2%	12,130	11,797	-332	-2.7%
81.5%	12,099	11,790	-310	-2.6%
82.7%	11,898	11,782	-116	-1.0%
84.0%	11,579	11,734	156	1.3%
85.2%	11,472	11,702	231	2.0%
86.4%	11,450	11,700	250	2.2%
87.7%	11,409	11,677	268	2.3%
88.9%	11,334	11,626	292	2.6%
90.1%	11,024	11,616	592	5.4%
91.4%	10,935	11,612	677	6.2%
92.6%	10,851	11,557	706	6.5%
93.8%	10,844	11,344	500	4.6%
95.1%	10,743	11,108	366	3.4%
96.3%	10,604	10,650	46	0.4%
97.5%	10,317	9,841	-476	-4.6%
98.8%	9,776	9,657	-120	-1.2%
100.0%	8,895	9,153	259	2.9%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,735	14,736	1	0.0%
1.2%	13,942	13,937	-5	0.0%
2.5%	13,922	13,728	-194	-1.4%
3.7%	13,739	13,532	-207	-1.5%
4.9%	13,725	12,802	-922	-6.7%
6.2%	13,606	12,649	-958	-7.0%
7.4%	13,569	12,558	-1,011	-7.5%
8.6%	13,206	12,537	-669	-5.1%
9.9%	12,741	12,498	-242	-1.9%
11.1%	12,673	12,397	-276	-2.2%
12.3%	12,537	12,245	-293	-2.3%
13.6%	12,438	12,227	-211	-1.7%
14.8%	12,340	12,126	-214	-1.7%
16.0%	12,252	12,042	-210	-1.7%
17.3%	12,151	11,926	-226	-1.9%
18.5%	11,955	11,826	-129	-1.1%
19.8%	11,841	11,810	-31	-0.3%
21.0%	11,691	11,716	24	0.2%
22.2%	11,601	11,611	10	0.1%
23.5%	11,588	11,554	-34	-0.3%
24.7%	11,443	11,441	-2	0.0%
25.9%	11,434	11,415	-19	-0.2%
27.2%	11,301	11,346	45	0.4%
28.4%	11,208	11,190	-17	-0.2%
29.6%	11,206	11,001	-206	-1.8%
30.9%	11,183	10,878	-306	-2.7%
32.1%	11,132	10,855	-277	-2.5%
33.3%	11,053	10,846	-208	-1.9%
34.6%	11,048	10,816	-232	-2.1%
35.8%	10,995	10,755	-240	-2.2%
37.0%	10,989	10,602	-388	-3.5%
38.3%	10,950	10,597	-353	-3.2%
39.5%	10,930	10,589	-341	-3.1%
40.7%	10,930	10,508	-422	-3.9%
42.0%	10,914	10,471	-443	-4.1%
43.2%	10,898	10,449	-448	-4.1%
44.4%	10,885	10,437	-447	-4.1%
45.7%	10,852	10,433	-418	-3.9%
46.9%	10,811	10,431	-380	-3.5%
48.1%	10,736	10,299	-438	-4.1%
49.4%	10,674	10,214	-460	-4.3%
50.6%	10,649	10,120	-529	-5.0%
51.9%	10,630	10,089	-540	-5.1%
53.1%	10,593	10,070	-523	-4.9%
54.3%	10,492	10,046	-446	-4.3%
55.6%	10,462	10,007	-455	-4.3%
56.8%	10,351	9,980	-371	-3.6%
58.0%	10,334	9,928	-407	-3.9%
59.3%	10,334	9,924	-409	-4.0%
60.5%	10,227	9,914	-313	-3.1%
61.7%	10,203	9,897	-306	-3.0%
63.0%	10,198	9,838	-360	-3.5%
64.2%	10,125	9,837	-288	-2.8%
65.4%	10,078	9,816	-263	-2.6%
66.7%	9,991	9,813	-178	-1.8%
67.9%	9,913	9,809	-104	-1.0%
69.1%	9,893	9,797	-97	-1.0%
70.4%	9,835	9,785	-50	-0.5%
71.6%	9,823	9,783	-40	-0.4%
72.8%	9,798	9,724	-74	-0.8%
74.1%	9,707	9,721	15	0.1%
75.3%	9,659	9,705	47	0.5%
76.5%	9,614	9,688	74	0.8%
77.8%	9,469	9,653	184	1.9%
79.0%	9,462	9,648	185	2.0%
80.2%	9,406	9,562	155	1.7%
81.5%	9,203	9,550	347	3.8%
82.7%	9,195	9,526	332	3.6%
84.0%	9,127	9,492	365	4.0%
85.2%	9,088	9,471	384	4.2%
86.4%	9,081	9,375	293	3.2%
87.7%	9,061	9,345	284	3.1%
88.9%	8,977	9,240	263	2.9%
90.1%	8,892	9,047	156	1.7%
91.4%	8,856	9,037	181	2.0%
92.6%	8,702	8,875	173	2.0%
93.8%	8,666	8,805	139	1.6%
95.1%	8,658	8,678	20	0.2%
96.3%	8,584	8,581	-3	0.0%
97.5%	8,264	8,272	8	0.1%
98.8%	7,686	8,049	363	4.7%
100.0%	7,375	7,905	530	7.2%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,774	15,283	-1,491	-8.9%
1.2%	15,495	14,890	-604	-3.9%
2.5%	15,276	14,715	-561	-3.7%
3.7%	15,182	14,335	-848	-5.6%
4.9%	15,152	14,118	-1,034	-6.8%
6.2%	14,779	14,070	-709	-4.8%
7.4%	13,926	14,056	130	0.9%
8.6%	13,864	13,997	133	1.0%
9.9%	13,501	13,893	392	2.9%
11.1%	13,438	13,814	375	2.8%
12.3%	13,376	13,522	146	1.1%
13.6%	13,290	13,291	0	0.0%
14.8%	13,217	13,266	49	0.4%
16.0%	13,177	12,473	-703	-5.3%
17.3%	12,779	12,440	-339	-2.7%
18.5%	12,769	12,022	-747	-5.9%
19.8%	12,525	11,734	-791	-6.3%
21.0%	12,507	11,610	-897	-7.2%
22.2%	12,136	11,574	-562	-4.6%
23.5%	12,020	11,394	-626	-5.2%
24.7%	11,717	11,275	-442	-3.8%
25.9%	11,467	11,220	-247	-2.2%
27.2%	10,974	11,068	94	0.9%
28.4%	10,941	10,838	-103	-0.9%
29.6%	10,465	9,981	-484	-4.6%
30.9%	10,056	9,866	-190	-1.9%
32.1%	9,977	9,382	-596	-6.0%
33.3%	9,958	9,376	-583	-5.9%
34.6%	9,575	9,232	-342	-3.6%
35.8%	9,470	8,980	-490	-5.2%
37.0%	9,222	8,346	-876	-9.5%
38.3%	8,940	8,183	-757	-8.5%
39.5%	8,934	7,750	-1,184	-13.3%
40.7%	8,306	7,467	-839	-10.1%
42.0%	7,604	7,459	-145	-1.9%
43.2%	7,217	7,407	190	2.6%
44.4%	7,183	7,363	180	2.5%
45.7%	7,143	7,260	116	1.6%
46.9%	7,113	7,121	8	0.1%
48.1%	7,057	7,005	-53	-0.7%
49.4%	6,913	6,777	-135	-2.0%
50.6%	6,855	6,720	-134	-2.0%
51.9%	6,830	6,591	-239	-3.5%
53.1%	6,700	6,585	-115	-1.7%
54.3%	6,415	6,578	163	2.5%
55.6%	6,394	6,491	97	1.5%
56.8%	6,370	6,449	79	1.2%
58.0%	6,322	6,442	120	1.9%
59.3%	6,227	6,432	205	3.3%
60.5%	6,207	6,415	208	3.4%
61.7%	6,141	6,356	215	3.5%
63.0%	6,133	6,347	213	3.5%
64.2%	6,122	6,324	202	3.3%
65.4%	6,032	6,321	288	4.8%
66.7%	6,027	6,303	276	4.6%
67.9%	6,019	6,035	17	0.3%
69.1%	5,995	6,024	29	0.5%
70.4%	5,991	5,963	-28	-0.5%
71.6%	5,823	5,925	102	1.8%
72.8%	5,806	5,898	92	1.6%
74.1%	5,792	5,855	63	1.1%
75.3%	5,751	5,833	82	1.4%
76.5%	5,736	5,792	56	1.0%
77.8%	5,708	5,790	83	1.5%
79.0%	5,636	5,785	150	2.7%
80.2%	5,514	5,765	251	4.5%
81.5%	5,510	5,747	237	4.3%
82.7%	5,427	5,711	284	5.2%
84.0%	5,345	5,592	247	4.6%
85.2%	5,238	5,568	329	6.3%
86.4%	5,214	5,563	349	6.7%
87.7%	5,176	5,523	346	6.7%
88.9%	5,048	5,503	455	9.0%
90.1%	4,943	5,488	545	11.0%
91.4%	4,868	5,432	564	11.6%
92.6%	4,634	5,401	767	16.5%
93.8%	4,577	5,346	769	16.8%
95.1%	4,529	5,304	775	17.1%
96.3%	4,509	4,906	397	8.8%
97.5%	4,373	4,615	242	5.5%
98.8%	4,353	4,519	165	3.8%
100.0%	4,127	4,482	355	8.6%

Table SW-12-5a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative B	7,056	8,730	11,516	14,248	17,100	12,909	9,589	8,878	10,668	12,664	9,881	8,313
Difference	48	110	-9	-1,015	-925	-1,715	-977	-627	-376	48	-172	-23
Percent Difference[3]	0.7%	1.3%	-0.1%	-6.6%	-5.1%	-11.7%	-9.2%	-6.6%	-3.4%	0.4%	-1.7%	-0.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative B	8,387	10,931	11,959	26,412	29,209	23,564	14,216	11,572	11,187	12,295	10,035	12,361
Difference	277	-234	-115	-1,296	-1,063	-1,657	-996	-354	212	71	-270	-256
Percent Difference	3.4%	-2.1%	-1.0%	-4.7%	-3.5%	-6.6%	-6.5%	-3.0%	1.9%	0.6%	-2.6%	-2.0%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative B	6,973	10,673	11,842	14,092	21,948	13,614	9,308	8,908	10,593	13,598	9,675	7,940
Difference	84	88	28	-2,224	-1,513	-2,432	-1,004	-533	-548	358	-281	-479
Percent Difference	1.2%	0.8%	0.2%	-13.6%	-6.4%	-15.2%	-9.7%	-5.6%	-4.9%	2.7%	-2.8%	-5.7%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative B	6,804	7,883	13,338	8,182	11,009	6,828	7,637	7,410	10,066	12,472	9,408	5,846
Difference	479	487	291	-1,149	-826	-2,114	-739	-816	-768	109	-302	200
Percent Difference	7.6%	6.6%	2.2%	-12.3%	-7.0%	-23.6%	-8.8%	-9.9%	-7.1%	0.9%	-3.1%	3.5%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative B	6,078	7,137	12,990	6,884	8,438	6,791	6,647	7,584	10,468	13,141	10,161	6,008
Difference	-585	425	226	-233	-686	-1,666	-1,083	-739	-866	101	-271	6
Percent Difference	-8.8%	6.3%	1.8%	-3.3%	-7.5%	-19.7%	-14.0%	-8.9%	-7.6%	0.8%	-2.6%	0.1%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative B	6,016	5,394	5,896	6,171	6,113	5,391	6,535	6,664	10,618	12,036	9,884	6,249
Difference	-42	-33	-519	-212	-513	-733	-1,030	-921	-285	-459	453	631
Percent Difference	-0.7%	-0.6%	-8.1%	-3.3%	-7.7%	-12.0%	-13.6%	-12.1%	-2.6%	-3.7%	4.8%	11.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-12-5b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

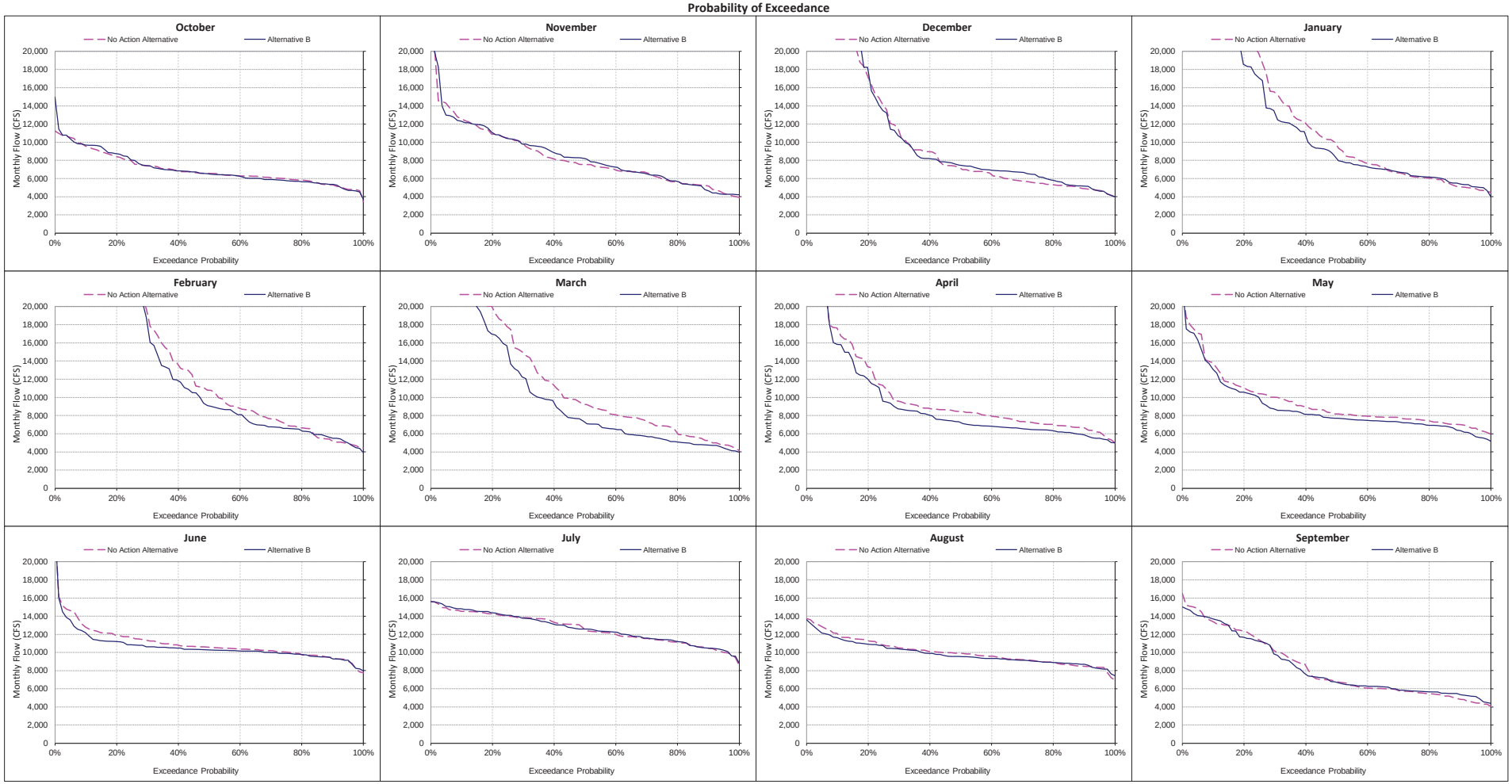

Table SW-12-5b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	14,960	3,726	33.2%
1.2%	10,967	11,446	479	4.4%
2.5%	10,748	10,787	39	0.4%
3.7%	10,673	10,767	94	0.9%
4.9%	10,532	10,376	-155	-1.5%
6.2%	10,406	10,031	-376	-3.6%
7.4%	9,911	9,833	-78	-0.8%
8.6%	9,860	9,800	-61	-0.6%
9.9%	9,573	9,695	122	1.3%
11.1%	9,412	9,670	258	2.7%
12.3%	9,271	9,669	399	4.3%
13.6%	9,162	9,639	476	5.2%
14.8%	8,923	9,562	639	7.2%
16.0%	8,855	9,213	358	4.0%
17.3%	8,703	8,859	156	1.8%
18.5%	8,581	8,821	239	2.8%
19.8%	8,400	8,739	339	4.0%
21.0%	8,335	8,677	342	4.1%
22.2%	8,165	8,483	318	3.9%
23.5%	8,026	8,441	415	5.2%
24.7%	7,987	8,044	57	0.7%
25.9%	7,578	7,994	416	5.5%
27.2%	7,566	7,657	91	1.2%
28.4%	7,443	7,480	38	0.5%
29.6%	7,403	7,440	37	0.5%
30.9%	7,384	7,399	15	0.2%
32.1%	7,369	7,175	-194	-2.6%
33.3%	7,273	7,118	-155	-2.1%
34.6%	7,103	7,023	-80	-1.1%
35.8%	7,092	6,981	-112	-1.6%
37.0%	7,075	6,945	-130	-1.8%
38.3%	6,976	6,937	-39	-0.6%
39.5%	6,881	6,847	-34	-0.5%
40.7%	6,767	6,836	69	1.0%
42.0%	6,759	6,822	63	0.9%
43.2%	6,751	6,798	47	0.7%
44.4%	6,678	6,743	65	1.0%
45.7%	6,652	6,727	75	1.1%
46.9%	6,602	6,577	-25	-0.4%
48.1%	6,592	6,563	-29	-0.4%
49.4%	6,578	6,522	-56	-0.9%
50.6%	6,562	6,481	-81	-1.2%
51.9%	6,551	6,462	-89	-1.4%
53.1%	6,516	6,419	-97	-1.5%
54.3%	6,432	6,413	-19	-0.3%
55.6%	6,359	6,402	43	0.7%
56.8%	6,352	6,370	18	0.3%
58.0%	6,343	6,358	15	0.2%
59.3%	6,312	6,298	-14	-0.2%
60.5%	6,288	6,197	-91	-1.4%
61.7%	6,284	6,054	-230	-3.7%
63.0%	6,282	6,041	-241	-3.8%
64.2%	6,263	6,032	-232	-3.7%
65.4%	6,241	6,027	-215	-3.4%
66.7%	6,186	6,003	-183	-3.0%
67.9%	6,155	5,903	-252	-4.1%
69.1%	6,137	5,901	-236	-3.9%
70.4%	6,063	5,888	-175	-2.9%
71.6%	6,059	5,878	-182	-3.0%
72.8%	6,023	5,827	-195	-3.2%
74.1%	6,003	5,806	-197	-3.3%
75.3%	5,989	5,754	-235	-3.9%
76.5%	5,904	5,725	-179	-3.0%
77.8%	5,860	5,705	-155	-2.6%
79.0%	5,845	5,704	-140	-2.4%
80.2%	5,845	5,653	-191	-3.3%
81.5%	5,778	5,632	-147	-2.5%
82.7%	5,720	5,607	-114	-2.0%
84.0%	5,602	5,543	-59	-1.1%
85.2%	5,522	5,512	-10	-0.2%
86.4%	5,387	5,427	40	0.8%
87.7%	5,345	5,425	80	1.5%
88.9%	5,327	5,362	35	0.7%
90.1%	5,301	5,350	50	0.9%
91.4%	5,150	5,274	124	2.4%
92.6%	5,082	5,021	-61	-1.2%
93.8%	4,907	4,831	-76	-1.6%
95.1%	4,798	4,682	-116	-2.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,639	-125	-2.6%
98.8%	4,673	4,531	-142	-3.0%
100.0%	3,452	3,683	232	6.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	33,279	-3,113	-8.6%
1.2%	20,440	19,954	-486	-2.4%
2.5%	14,550	18,292	3,742	25.7%
3.7%	14,481	13,962	-519	-3.6%
4.9%	14,307	12,971	-1,336	-9.3%
6.2%	13,757	12,919	-838	-6.1%
7.4%	13,366	12,773	-593	-4.4%
8.6%	12,788	12,397	-391	-3.1%
9.9%	12,591	12,300	-291	-2.3%
11.1%	12,356	12,153	-202	-1.6%
12.3%	12,239	12,144	-95	-0.8%
13.6%	11,992	12,021	28	0.2%
14.8%	11,841	11,941	99	0.8%
16.0%	11,510	11,930	420	3.7%
17.3%	11,403	11,815	412	3.6%
18.5%	11,402	11,552	150	1.3%
19.8%	10,888	11,125	238	2.2%
21.0%	10,881	10,824	-57	-0.5%
22.2%	10,744	10,796	52	0.5%
23.5%	10,586	10,584	-3	0.0%
24.7%	10,483	10,426	-57	-0.5%
25.9%	10,463	10,363	-101	-1.0%
27.2%	10,187	10,312	125	1.2%
28.4%	10,169	10,175	6	0.1%
29.6%	9,987	9,804	-184	-1.8%
30.9%	9,513	9,796	283	3.0%
32.1%	9,294	9,641	347	3.7%
33.3%	9,132	9,604	472	5.2%
34.6%	9,057	9,562	505	5.6%
35.8%	8,775	9,492	717	8.2%
37.0%	8,363	9,343	980	11.7%
38.3%	8,321	9,126	805	9.7%
39.5%	8,211	8,900	689	8.4%
40.7%	8,076	8,747	671	8.3%
42.0%	8,013	8,666	652	8.1%
43.2%	7,979	8,362	383	4.8%
44.4%	7,877	8,353	476	6.0%
45.7%	7,770	8,309	540	6.9%
46.9%	7,750	8,307	558	7.2%
48.1%	7,558	8,291	733	9.7%
49.4%	7,550	8,235	685	9.1%
50.6%	7,545	8,116	571	7.6%
51.9%	7,535	7,849	314	4.2%
53.1%	7,354	7,827	473	6.4%
54.3%	7,284	7,720	436	6.0%
55.6%	7,231	7,590	359	5.0%
56.8%	7,198	7,452	253	3.5%
58.0%	7,109	7,365	256	3.6%
59.3%	7,026	7,283	258	3.7%
60.5%	6,867	7,227	360	5.2%
61.7%	6,820	6,949	129	1.9%
63.0%	6,787	6,848	61	0.9%
64.2%	6,781	6,846	65	1.0%
65.4%	6,770	6,725	-45	-0.7%
66.7%	6,745	6,707	-37	-0.6%
67.9%	6,728	6,646	-82	-1.2%
69.1%	6,715	6,584	-132	-2.0%
70.4%	6,580	6,472	-108	-1.6%
71.6%	6,355	6,372	16	0.3%
72.8%	6,231	6,364	133	2.1%
74.1%	6,101	6,344	243	4.0%
75.3%	5,887	6,177	290	4.9%
76.5%	5,806	5,919	113	1.9%
77.8%	5,668	5,762	94	1.7%
79.0%	5,632	5,756	124	2.2%
80.2%	5,627	5,674	46	0.8%
81.5%	5,454	5,418	-36	-0.7%
82.7%	5,412	5,383	-30	-0.5%
84.0%	5,382	5,346	-36	-0.7%
85.2%	5,372	5,286	-86	-1.6%
86.4%	5,302	5,260	-42	-0.8%
87.7%	5,290	5,188	-102	-1.9%
88.9%	5,237	4,774	-463	-8.8%
90.1%	5,165	4,635	-530	-10.3%
91.4%	4,789	4,422	-367	-7.7%
92.6%	4,735	4,412	-323	-6.8%
93.8%	4,569	4,308	-261	-5.7%
95.1%	4,363	4,281	-83	-1.9%
96.3%	4,241	4,280	38	0.9%
97.5%	4,111	4,265	154	3.7%
98.8%	4,018	4,238	220	5.5%
100.0%	3,921	4,228	307	7.8%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	0	0.0%
1.2%	41,516	39,678	-1,838	-4.4%
2.5%	35,067	33,847	-1,221	-3.5%
3.7%	34,216	32,925	-1,291	-3.8%
4.9%	33,579	30,610	-2,970	-8.8%
6.2%	31,369	30,242	-1,127	-3.6%
7.4%	29,999	27,882	-2,117	-7.1%
8.6%	29,836	27,150	-2,687	-9.0%
9.9%	25,158	25,881	723	2.9%
11.1%	23,886	22,943	-943	-3.9%
12.3%	22,411	21,771	-640	-2.9%
13.6%	21,681	21,466	-215	-1.0%
14.8%	21,471	21,246	-224	-1.0%
16.0%	20,363	21,095	732	3.6%
17.3%	18,832	21,093	2,260	12.0%
18.5%	18,360	18,255	-105	-0.6%
19.8%	17,352	18,229	877	5.1%
21.0%	16,368	15,640	-728	-4.4%
22.2%	15,339	14,905	-434	-2.8%
23.5%	14,905	14,079	-826	-5.5%
24.7%	14,163	13,473	-690	-4.9%
25.9%	13,589	13,220	-369	-2.7%
27.2%	12,050	11,410	-640	-5.3%
28.4%	11,913	11,298	-616	-5.2%
29.6%	11,594	10,728	-866	-7.5%
30.9%	10,337	10,428	91	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,785	90	0.9%
34.6%	9,158	9,166	8	0.1%
35.8%	9,152	8,536	-615	-6.7%
37.0%	9,145	8,261	-885	-9.7%
38.3%	8,968	8,222	-746	-8.3%
39.5%	8,966	8,204	-762	-8.5%
40.7%	8,923	8,166	-757	-8.5%
42.0%	8,719	8,124	-595	-6.8%
43.2%	7,848	7,844	-4	-0.1%
44.4%	7,474	7,836	362	4.8%
45.7%	7,418	7,777	359	4.8%
46.9%	7,413	7,742	329	4.4%
48.1%	7,382	7,608	226	3.1%
49.4%	7,271	7,494	223	3.1%
50.6%	6,970	7,426	457	6.6%
51.9%	6,966	7,386	420	6.0%
53.1%	6,815	7,385	571	8.4%
54.3%	6,797	7,223	427	6.3%
55.6%	6,787	7,112	325	4.8%
56.8%	6,778	7,006	228	3.4%
58.0%	6,705	6,995	290	4.3%
59.3%	6,610	6,949	338	5.1%
60.5%	6,284	6,906	623	9.9%
61.7%	6,248	6,861	612	9.8%
63.0%	6,163	6,855	692	11.2%
64.2%	6,003	6,847	844	14.1%
65.4%	5,962	6,805	844	14.2%
66.7%	5,853	6,759	907	15.5%
67.9%	5,818	6,729	911	15.7%
69.1%	5,737	6,703	966	16.8%
70.4%	5,709	6,667	958	16.8%
71.6%	5,681	6,528	847	14.9%
72.8%	5,573	6,466	894	16.0%
74.1%	5,539	6,452	913	16.5%
75.3%	5,475	6,164	689	12.6%
76.5%	5,468	6,153	685	12.5%
77.8%	5,369	5,964	595	11.1%
79.0%	5,351	5,859	508	9.5%
80.2%	5,314	5,777	463	8.7%
81.5%	5,250	5,666	416	7.9%
82.7%	5,245	5,602	357	6.8%
84.0%	5,163	5,349	186	3.6%
85.2%	5,162	5,267	105	2.0%
86.4%	5,136	5,252	116	2.3%
87.7%	5,126	5,200	75	1.5%
88.9%	4,935	5,191	257	5.2%
90.1%	4,894	5,171	277	5.7%
91.4%	4,821	5,148	327	6.8%
92.6%	4,778	4,859	81	1.7%
93.8%	4,718	4,717	-1	0.0%
95.1%	4,677	4,611	-66	-1.4%
96.3%	4,608	4,606	-2	0.0%
97.5%	4,306	4,305	-1	0.0%
98.8%	4,147	4,145	-2	0.0%
100.0%	3,977	3,984	7	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,092	75,973	-2,119	-2.7%
1.2%	57,390	57,390	0	0.0%
2.5%	52,217	50,110	-2,107	-4.0%
3.7%	51,046	48,933	-2,112	-4.1%
4.9%	43,122	42,302	-820	-1.9%
6.2%	41,929	38,762	-3,168	-7.6%
7.4%	40,889	38,007	-2,883	-7.1%
8.6%	35,251	35,896	645	1.8%
9.9%	32,236	30,868	-1,368	-4.2%
11.1%	30,871	30,120	-752	-2.4%
12.3%	27,604	26,837	-766	-2.8%
13.6%	27,045	24,921	-2,124	-7.9%
14.8%	27,041	24,767	-2,275	-8.4%
16.0%	26,882	24,416	-2,466	-9.2%
17.3%	26,112	21,487	-4,625	-17.7%
18.5%	23,617	20,825	-2,792	-11.8%
19.8%	22,945	18,561	-4,384	-19.1%
21.0%	21,167	18,351	-2,816	-13.3%
22.2%	20,626	18,302	-2,324	-11.3%
23.5%	20,445	17,500	-2,945	-14.4%
24.7%	19,839	17,121	-2,718	-13.7%
25.9%	18,772	16,782	-1,990	-10.6%
27.2%	17,647	13,764	-3,883	-22.0%
28.4%	15,596	13,718	-1,879	-12.0%
29.6%	15,562	13,487	-2,076	-13.3%
30.9%	15,203	12,454	-2,749	-18.1%
32.1%	14,569	12,265	-2,304	-15.8%
33.3%	14,023	12,180	-1,844	-13.1%
34.6%	13,976	12,125	-1,851	-13.2%
35.8%	12,934	11,853	-1,081	-8.4%
37.0%	12,561	11,611	-951	-7.6%
38.3%	12,405	11,201	-1,204	-9.7%
39.5%	12,265	11,159	-1,106	-9.0%
40.7%	11,742	9,988	-1,754	-14.9%
42.0%	11,388	9,549	-1,840	-16.2%
43.2%	11,201	9,356	-1,845	-16.5%
44.4%	10,740	9,319	-1,422	-13.2%
45.7%	10,472	9,261	-1,212	-11.6%
46.9%	10,301	9,156	-1,145	-11.1%
48.1%	10,270	8,919	-1,352	-13.2%
49.4%	10,000	8,472	-1,528	-15.3%
50.6%	9,337	7,950	-1,387	-14.9%
51.9%	9,033	7,870	-1,163	-12.9%
53.1%	8,455	7,744	-711	-8.4%
54.3%	8,378	7,729	-648	-7.7%
55.6%	8,361	7,544	-816	-9.8%
56.8%	8,043	7,498	-545	-6.8%
58.0%	7,922	7,398	-525	-6.6%
59.3%	7,744	7,385	-359	-4.6%
60.5%	7,620	7,222	-398	-5.2%
61.7%	7,540	7,160	-380	-5.0%
63.0%	7,508	7,107	-401	-5.3%
64.2%	7,308	7,070	-238	-3.3%
65.4%	7,220	7,013	-207	-2.9%
66.7%	6,860	6,998	137	2.0%
67.9%	6,766	6,859	93	1.4%
69.1%	6,650	6,777	128	1.9%
70.4%	6,619	6,713	94	1.4%
71.6%	6,530	6,659	129	2.0%
72.8%	6,314	6,587	273	4.3%
74.1%	6,244	6,301	57	0.9%
75.3%	6,172	6,286	114	1.8%
76.5%	6,154	6,226	71	1.2%
77.8%	6,107	6,199	92	1.5%
79.0%	6,074	6,193	120	2.0%
80.2%	6,033	6,178	144	2.4%
81.5%	6,001	6,103	102	1.7%
82.7%	5,888	6,100	213	3.6%
84.0%	5,885	6,007	122	2.1%
85.2%	5,483	5,884	401	7.3%
86.4%	5,464	5,592	128	2.3%
87.7%	5,282	5,514	233	4.4%
88.9%	5,128	5,500	372	7.2%
90.1%	5,079	5,387	308	6.1%
91.4%	5,040	5,335	295	5.9%
92.6%	4,997	5,334	337	6.7%
93.8%	4,941	5,124	183	3.7%
95.1%	4,886	5,077	192	3.9%
96.3%	4,727	5,018	292	6.2%
97.5%	4,692	4,993	301	6.4%
98.8%	4,608	4,657	49	1.1%
100.0%	4,463	3,970	-492	-11.0%

Table SW-12-5b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	72,215	-2,131	-2.9%
1.2%	63,776	66,276	2,501	3.9%
2.5%	63,339	64,216	877	1.4%
3.7%	55,701	55,698	-3	0.0%
4.9%	48,307	47,894	-413	-0.9%
6.2%	47,665	47,714	48	0.1%
7.4%	46,014	45,077	-937	-2.0%
8.6%	44,215	42,145	-2,070	-4.7%
9.9%	43,520	41,401	-2,119	-4.9%
11.1%	42,318	40,597	-1,721	-4.1%
12.3%	39,842	39,991	149	0.4%
13.6%	39,837	37,724	-2,112	-5.3%
14.8%	38,278	36,174	-2,105	-5.5%
16.0%	33,017	32,937	-81	-0.2%
17.3%	32,937	30,896	-2,041	-6.2%
18.5%	31,197	29,077	-2,120	-6.8%
19.8%	30,223	28,106	-2,117	-7.0%
21.0%	28,064	25,943	-2,121	-7.6%
22.2%	27,321	25,204	-2,116	-7.7%
23.5%	24,548	22,685	-1,863	-7.6%
24.7%	24,343	22,595	-1,748	-7.2%
25.9%	23,544	21,661	-1,883	-8.0%
27.2%	20,903	21,419	516	2.5%
28.4%	20,834	20,483	-351	-1.7%
29.6%	19,774	18,793	-981	-5.0%
30.9%	17,823	16,065	-1,757	-9.9%
32.1%	17,423	15,728	-1,695	-9.7%
33.3%	16,767	14,631	-2,136	-12.7%
34.6%	15,985	13,501	-2,484	-15.5%
35.8%	15,464	13,344	-2,120	-13.7%
37.0%	15,145	13,144	-2,001	-13.2%
38.3%	14,009	11,992	-2,017	-14.4%
39.5%	13,805	11,912	-1,893	-13.7%
40.7%	13,192	11,683	-1,509	-11.4%
42.0%	13,023	11,079	-1,944	-14.9%
43.2%	12,985	10,895	-2,090	-16.1%
44.4%	12,511	10,516	-1,995	-15.9%
45.7%	11,237	10,490	-747	-6.6%
46.9%	11,170	10,015	-1,155	-10.3%
48.1%	11,117	9,350	-1,767	-15.9%
49.4%	10,802	9,111	-1,691	-15.7%
50.6%	10,784	8,992	-1,792	-16.6%
51.9%	10,516	8,918	-1,599	-15.2%
53.1%	9,976	8,798	-1,178	-11.8%
54.3%	9,827	8,675	-1,152	-11.7%
55.6%	9,296	8,667	-629	-6.8%
56.8%	9,048	8,659	-388	-4.3%
58.0%	9,031	8,355	-676	-7.5%
59.3%	8,875	8,106	-769	-8.7%
60.5%	8,716	8,099	-617	-7.1%
61.7%	8,652	7,675	-976	-11.3%
63.0%	8,615	7,289	-1,326	-15.4%
64.2%	8,492	7,104	-1,388	-16.3%
65.4%	8,210	6,986	-1,224	-14.9%
66.7%	7,908	6,940	-968	-12.2%
67.9%	7,864	6,935	-929	-11.8%
69.1%	7,681	6,751	-930	-12.1%
70.4%	7,618	6,749	-869	-11.4%
71.6%	7,605	6,739	-866	-11.4%
72.8%	7,373	6,713	-660	-9.0%
74.1%	7,209	6,600	-609	-8.4%
75.3%	6,888	6,593	-295	-4.3%
76.5%	6,850	6,576	-274	-4.0%
77.8%	6,836	6,532	-303	-4.4%
79.0%	6,650	6,494	-156	-2.4%
80.2%	6,636	6,287	-350	-5.3%
81.5%	6,576	6,264	-312	-4.7%
82.7%	6,545	6,199	-347	-5.3%
84.0%	5,881	5,927	46	0.8%
85.2%	5,554	5,913	360	6.5%
86.4%	5,487	5,892	406	7.4%
87.7%	5,453	5,755	302	5.5%
88.9%	5,406	5,621	215	4.0%
90.1%	5,174	5,503	329	6.4%
91.4%	5,092	5,498	406	8.0%
92.6%	5,082	5,404	322	6.3%
93.8%	4,983	5,170	187	3.8%
95.1%	4,913	4,984	70	1.4%
96.3%	4,792	4,682	-109	-2.3%
97.5%	4,678	4,466	-212	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	3,903	-544	-12.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,640	-36	-0.1%
1.2%	69,651	67,557	-2,094	-3.0%
2.5%	53,836	51,723	-2,113	-3.9%
3.7%	50,420	48,407	-2,014	-4.0%
4.9%	47,071	47,063	-8	0.0%
6.2%	39,950	34,449	-5,501	-13.8%
7.4%	33,325	31,180	-2,146	-6.4%
8.6%	32,127	29,988	-2,140	-6.7%
9.9%	29,614	27,496	-2,118	-7.2%
11.1%	27,030	24,912	-2,119	-7.8%
12.3%	25,386	23,267	-2,119	-8.3%
13.6%	23,894	22,562	-1,331	-5.6%
14.8%	21,569	20,046	-1,523	-7.1%
16.0%	20,575	19,451	-1,124	-5.5%
17.3%	20,155	18,458	-1,696	-8.4%
18.5%	20,054	17,343	-2,711	-13.5%
19.8%	20,050	16,987	-3,064	-15.3%
21.0%	19,215	16,875	-2,340	-12.2%
22.2%	18,633	16,513	-2,119	-11.4%
23.5%	18,359	15,955	-2,404	-13.1%
24.7%	17,814	15,695	-2,120	-11.9%
25.9%	17,485	13,675	-3,809	-21.8%
27.2%	15,479	13,178	-2,300	-14.9%
28.4%	15,310	12,904	-2,406	-15.7%
29.6%	15,023	12,253	-2,770	-18.4%
30.9%	14,594	12,063	-2,531	-17.3%
32.1%	14,371	10,585	-3,787	-26.3%
33.3%	13,660	10,277	-3,383	-24.8%
34.6%	12,704	10,013	-2,692	-21.2%
35.8%	12,401	9,939	-2,462	-19.9%
37.0%	11,893	9,813	-2,080	-17.5%
38.3%	11,794	9,741	-2,053	-17.4%
39.5%	11,488	9,666	-1,822	-15.9%
40.7%	11,038	8,899	-2,138	-19.4%
42.0%	10,674	8,576	-2,098	-19.7%
43.2%	9,951	8,148	-1,803	-18.1%
44.4%	9,918	7,793	-2,126	-21.4%
45.7%	9,794	7,738	-2,056	-21.0%
46.9%	9,771	7,667	-2,104	-21.5%
48.1%	9,525	7,643	-1,883	-19.8%
49.4%	9,242	7,401	-1,840	-19.9%
50.6%	9,204	7,096	-2,109	-22.9%
51.9%	9,025	7,078	-1,947	-21.6%
53.1%	8,802	7,057	-1,745	-19.8%
54.3%	8,741	7,042	-1,699	-19.4%
55.6%	8,631	6,683	-1,949	-22.6%
56.8%	8,564	6,621	-1,944	-22.7%
58.0%	8,174	6,572	-1,602	-19.6%
59.3%	8,127	6,526	-1,602	-19.7%
60.5%	8,026	6,448	-1,578	-19.7%
61.7%	7,927	6,446	-1,481	-18.7%
63.0%	7,870	6,012	-1,858	-23.6%
64.2%	7,805	5,908	-1,897	-24.3%
65.4%	7,774	5,886	-1,889	-24.3%
66.7%	7,752	5,839	-1,913	-24.7%
67.9%	7,615	5,801	-1,814	-23.8%
69.1%	7,512	5,749	-1,763	-23.5%
70.4%	7,258	5,669	-1,589	-21.9%
71.6%	7,136	5,656	-1,480	-20.7%
72.8%	6,904	5,566	-1,338	-19.4%
74.1%	6,870	5,493	-1,377	-20.0%
75.3%	6,853	5,385	-1,468	-21.4%
76.5%	6,836	5,308	-1,528	-22.4%
77.8%	6,731	5,149	-1,582	-23.5%
79.0%	6,474	5,137	-1,337	-20.6%
80.2%	5,912	5,094	-818	-13.8%
81.5%	5,892	5,016	-876	-14.9%
82.7%	5,808	4,998	-810	-13.9%
84.0%	5,690	4,970	-720	-12.7%
85.2%	5,676	4,839	-837	-14.8%
86.4%	5,573	4,801	-773	-13.9%
87.7%	5,491	4,790	-701	-12.8%
88.9%	5,260	4,769	-491	-9.3%
90.1%	5,234	4,756	-478	-9.1%
91.4%	5,004	4,721	-284	-5.7%
92.6%	5,004	4,719	-285	-5.7%
93.8%	4,837	4,568	-269	-5.6%
95.1%	4,784	4,400	-384	-8.0%
96.3%	4,741	4,266	-475	-10.0%
97.5%	4,602	4,121	-481	-10.4%
98.8%	4,393	4,100	-293	-6.7%
100.0%	4,145	3,953	-192	-4.6%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	39,487	-1,880	-4.5%
1.2%	33,800	31,897	-1,904	-5.6%
2.5%	24,788	22,904	-1,884	-7.6%
3.7%	23,656	22,556	-1,101	-4.7%
4.9%	22,542	22,160	-382	-1.7%
6.2%	22,166	21,779	-388	-1.7%
7.4%	17,986	17,982	-3	0.0%
8.6%	17,705	16,018	-1,686	-9.5%
9.9%	17,633	15,822	-1,811	-10.3%
11.1%	16,776	15,806	-970	-5.8%
12.3%	16,419	14,968	-1,451	-8.8%
13.6%	16,384	14,954	-1,430	-8.7%
14.8%	15,822	14,165	-1,657	-10.5%
16.0%	14,515	12,692	-1,823	-12.6%
17.3%	14,356	12,458	-1,898	-13.2%
18.5%	14,276	12,368	-1,908	-13.4%
19.8%	13,396	12,025	-1,371	-10.2%
21.0%	13,258	11,536	-1,722	-13.0%
22.2%	12,023	11,326	-697	-5.8%
23.5%	11,442	11,092	-350	-3.1%
24.7%	11,325	9,569	-1,756	-15.5%
25.9%	10,893	9,501	-1,392	-12.8%
27.2%	10,409	9,360	-1,049	-10.1%
28.4%	9,609	8,981	-628	-6.5%
29.6%	9,607	8,743	-864	-9.0%
30.9%	9,478	8,692	-785	-8.3%
32.1%	9,329	8,593	-736	-7.9%
33.3%	9,304	8,551	-753	-8.1%
34.6%	9,202	8,512	-690	-7.5%
35.8%	9,120	8,478	-642	-7.0%
37.0%	8,873	8,248	-625	-7.0%
38.3%	8,818	8,212	-607	-6.9%
39.5%	8,818	8,075	-743	-8.4%
40.7%	8,720	7,960	-760	-8.7%
42.0%	8,704	7,588	-1,117	-12.8%
43.2%	8,665	7,558	-1,107	-12.8%
44.4%	8,656	7,498	-1,158	-13.4%
45.7%	8,615	7,454	-1,161	-13.5%
46.9%	8,597	7,422	-1,175	-13.7%
48.1%	8,492	7,351	-1,141	-13.4%
49.4%	8,451	7,318	-1,133	-13.4%
50.6%	8,450	7,115	-1,335	-15.8%
51.9%	8,351	7,039	-1,311	-15.7%
53.1%	8,335	6,985	-1,350	-16.2%
54.3%	8,277	6,934	-1,343	-16.2%
55.6%	8,261	6,933	-1,328	-16.1%
56.8%	8,088	6,882	-1,205	-14.9%
58.0%	8,051	6,857	-1,194	-14.8%
59.3%	8,015	6,833	-1,181	-14.7%
60.5%	7,897	6,825	-1,072	-13.6%
61.7%	7,864	6,757	-1,107	-14.1%
63.0%	7,749	6,742	-1,007	-13.0%
64.2%	7,743	6,722	-1,021	-13.2%
65.4%	7,663	6,684	-979	-12.8%
66.7%	7,582	6,651	-931	-12.3%
67.9%	7,478	6,650	-828	-11.1%
69.1%	7,346	6,582	-764	-10.4%
70.4%	7,334	6,532	-803	-10.9%
71.6%	7,275	6,496	-779	-10.7%
72.8%	7,270	6,463	-807	-11.1%
74.1%	7,166	6,447	-720	-10.0%
75.3%	7,105	6,440	-665	-9.4%
76.5%	7,073	6,412	-661	-9.3%
77.8%	7,044	6,403	-641	-9.1%
79.0%	7,029	6,400	-629	-8.9%
80.2%	7,023	6,313	-711	-10.1%
81.5%	6,907	6,212	-695	-10.1%
82.7%	6,896	6,203	-693	-10.1%
84.0%	6,866	6,153	-714	-10.4%
85.2%	6,805	6,133	-672	-9.9%
86.4%	6,736	6,046	-690	-10.2%
87.7%	6,710	5,968	-743	-11.1%
88.9%	6,689	5,943	-746	-11.1%
90.1%	6,633	5,868	-764	-11.5%
91.4%	6,392	5,695	-697	-10.9%
92.6%	6,358	5,571	-787	-12.4%
93.8%	6,198	5,508	-690	-11.1%
95.1%	6,162	5,501	-661	-10.7%
96.3%	5,820	5,387	-432	-7.4%
97.5%	5,479	5,334	-145	-2.6%
98.8%	5,336	5,040	-297	-5.6%
100.0%	4,994	4,992	-2	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,541	22,542	1	0.0%
1.2%	18,878	17,545	-1,333	-7.1%
2.5%	18,005	17,203	-802	-4.5%
3.7%	17,546	17,072	-474	-2.7%
4.9%	17,072	16,331	-742	-4.3%
6.2%	16,959	15,223	-1,737	-10.2%
7.4%	14,152	14,066	-86	-0.6%
8.6%	13,944	13,724	-220	-1.6%
9.9%	13,824	13,092	-732	-5.3%
11.1%	13,268	12,683	-585	-4.4%
12.3%	12,683	11,692	-990	-7.8%
13.6%	11,801	11,363	-438	-3.7%
14.8%	11,693	11,145	-548	-4.7%
16.0%	11,679	10,975	-704	-6.0%
17.3%	11,364	10,851	-512	-4.5%
18.5%	11,220	10,596	-625	-5.6%
19.8%	11,070	10,581	-489	-4.4%
21.0%	10,851	10,472	-379	-3.5%
22.2%	10,668	10,358	-311	-2.9%
23.5%	10,569	10,247	-322	-3.0%
24.7%	10,425	10,016	-409	-3.9%
25.9%	10,393	9,368	-1,025	-9.9%
27.2%	10,288	9,124	-1,164	-11.3%
28.4%	10,032	8,834	-1,197	-11.9%
29.6%	10,024	8,742	-1,283	-12.8%
30.9%	9,985	8,583	-1,402	-14.0%
32.1%	9,857	8,579	-1,278	-13.0%
33.3%	9,712	8,545	-1,167	-12.0%
34.6%	9,558	8,537	-1,021	-10.7%
35.8%	9,533	8,469	-1,064	-11.2%
37.0%	9,110	8,455	-654	-7.2%
38.3%	9,107	8,351	-756	-8.3%
39.5%	8,980	8,164	-816	-9.1%
40.7%	8,870	8,133	-737	-8.3%
42.0%	8,690	8,121	-569	-6.5%
43.2%	8,685	8,080	-606	-7.0%
44.4%	8,639	8,072	-567	-6.6%
45.7%	8,623	7,817	-806	-9.3%
46.9%	8,385	7,781	-604	-7.2%
48.1%	8,314	7,724	-590	-7.1%
49.4%	8,186	7,707	-479	-5.9%
50.6%	8,182	7,706	-476	-5.8%
51.9%	8,136	7,689	-447	-5.5%
53.1%	8,132	7,630	-502	-6.2%
54.3%	8,121	7,576	-546	-6.7%
55.6%	8,025	7,553	-473	-5.9%
56.8%	7,986	7,544	-442	-5.5%
58.0%	7,945	7,502	-443	-5.6%
59.3%	7,945	7,486	-459	-5.8%
60.5%	7,938	7,468	-470	-5.9%
61.7%	7,932	7,430	-502	-6.3%
63.0%	7,846	7,426	-420	-5.4%
64.2%	7,843	7,389	-454	-5.8%
65.4%	7,821	7,371	-450	-5.8%
66.7%	7,818	7,353	-465	-6.0%
67.9%	7,808	7,347	-461	-5.9%
69.1%	7,807	7,338	-470	-6.0%
70.4%	7,784	7,276	-508	-6.5%
71.6%	7,646	7,215	-431	-5.6%
72.8%	7,616	7,212	-404	-5.3%
74.1%	7,608	7,178	-430	-5.7%
75.3%	7,599	7,096	-503	-6.6%
76.5%	7,554	7,080	-474	-6.3%
77.8%	7,519	7,068	-451	-6.0%
79.0%	7,440	6,956	-484	-6.5%
80.2%	7,400	6,928	-472	-6.4%
81.5%	7,298	6,914	-385	-5.3%
82.7%	7,273	6,896	-377	-5.2%
84.0%	7,257	6,844	-412	-5.7%
85.2%	7,136	6,828	-308	-4.3%
86.4%	7,059	6,747	-312	-4.4%
87.7%	7,042	6,643	-399	-5.7%
88.9%	7,038	6,397	-641	-9.1%
90.1%	6,996	6,340	-656	-9.4%
91.4%	6,950	6,158	-792	-11.4%
92.6%	6,773	6,133	-640	-9.5%
93.8%	6,624	5,945	-679	-10.2%
95.1%	6,607	5,665	-942	-14.3%
96.3%	6,340	5,586	-754	-11.9%
97.5%	6,267	5,535	-731	-11.7%
98.8%	6,148	5,403	-744	-12.1%
100.0%	5,942	5,171	-772	-13.0%

Table SW-12-5b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	23,832	-98	-0.4%
1.2%	16,154	16,022	-132	-0.8%
2.5%	15,144	14,477	-667	-4.4%
3.7%	14,772	13,864	-907	-6.1%
4.9%	14,616	13,583	-1,033	-7.1%
6.2%	14,495	12,892	-1,603	-11.1%
7.4%	13,808	12,558	-1,249	-9.0%
8.6%	13,165	12,409	-755	-5.7%
9.9%	12,789	12,204	-585	-4.6%
11.1%	12,580	11,791	-789	-6.3%
12.3%	12,448	11,441	-1,006	-8.1%
13.6%	12,358	11,378	-980	-7.9%
14.8%	12,189	11,293	-895	-7.3%
16.0%	12,138	11,255	-884	-7.3%
17.3%	12,123	11,237	-886	-7.3%
18.5%	12,108	11,221	-887	-7.3%
19.8%	11,882	11,217	-665	-5.6%
21.0%	11,863	11,195	-668	-5.6%
22.2%	11,727	11,090	-637	-5.4%
23.5%	11,724	10,841	-883	-7.5%
24.7%	11,706	10,841	-866	-7.4%
25.9%	11,527	10,814	-713	-6.2%
27.2%	11,492	10,799	-693	-6.0%
28.4%	11,421	10,792	-629	-5.5%
29.6%	11,345	10,634	-711	-6.3%
30.9%	11,274	10,627	-648	-5.7%
32.1%	11,267	10,626	-641	-5.7%
33.3%	11,137	10,583	-554	-5.0%
34.6%	10,988	10,580	-408	-3.7%
35.8%	10,963	10,577	-386	-3.5%
37.0%	10,951	10,524	-426	-3.9%
38.3%	10,854	10,509	-345	-3.2%
39.5%	10,833	10,499	-334	-3.1%
40.7%	10,739	10,473	-267	-2.5%
42.0%	10,706	10,359	-347	-3.2%
43.2%	10,689	10,353	-336	-3.1%
44.4%	10,683	10,341	-342	-3.2%
45.7%	10,658	10,337	-321	-3.0%
46.9%	10,622	10,306	-316	-3.0%
48.1%	10,620	10,305	-315	-3.0%
49.4%	10,589	10,293	-296	-2.8%
50.6%	10,551	10,274	-277	-2.6%
51.9%	10,528	10,269	-259	-2.5%
53.1%	10,521	10,241	-279	-2.7%
54.3%	10,476	10,234	-242	-2.3%
55.6%	10,468	10,225	-242	-2.3%
56.8%	10,465	10,212	-254	-2.4%
58.0%	10,423	10,193	-230	-2.2%
59.3%	10,383	10,189	-194	-1.9%
60.5%	10,365	10,163	-202	-2.0%
61.7%	10,356	10,162	-195	-1.9%
63.0%	10,337	10,155	-182	-1.8%
64.2%	10,306	10,141	-164	-1.6%
65.4%	10,302	10,139	-163	-1.6%
66.7%	10,257	10,128	-129	-1.3%
67.9%	10,225	10,008	-216	-2.1%
69.1%	10,211	10,007	-204	-2.0%
70.4%	10,208	9,987	-221	-2.2%
71.6%	10,107	9,975	-131	-1.3%
72.8%	10,098	9,911	-187	-1.9%
74.1%	10,074	9,907	-166	-1.6%
75.3%	10,022	9,903	-119	-1.2%
76.5%	9,967	9,873	-94	-0.9%
77.8%	9,918	9,828	-90	-0.9%
79.0%	9,906	9,808	-98	-1.0%
80.2%	9,727	9,768	42	0.4%
81.5%	9,714	9,721	7	0.1%
82.7%	9,706	9,586	-119	-1.2%
84.0%	9,686	9,557	-129	-1.3%
85.2%	9,676	9,546	-129	-1.3%
86.4%	9,600	9,515	-85	-0.9%
87.7%	9,535	9,494	-41	-0.4%
88.9%	9,466	9,479	13	0.1%
90.1%	9,436	9,282	-155	-1.6%
91.4%	9,292	9,281	-11	-0.1%
92.6%	9,290	9,265	-25	-0.3%
93.8%	9,252	9,135	-117	-1.3%
95.1%	9,035	9,130	96	1.1%
96.3%	8,803	8,684	-119	-1.4%
97.5%	8,189	8,238	49	0.6%
98.8%	7,856	8,181	326	4.1%
100.0%	7,758	7,967	208	2.7%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	15,609	-15	-0.1%
1.2%	15,557	15,566	9	0.1%
2.5%	15,348	15,482	134	0.9%
3.7%	14,954	15,356	402	2.7%
4.9%	14,936	15,079	143	1.0%
6.2%	14,714	15,031	317	2.2%
7.4%	14,702	14,907	205	1.4%
8.6%	14,648	14,823	175	1.2%
9.9%	14,539	14,808	269	1.8%
11.1%	14,526	14,748	222	1.5%
12.3%	14,506	14,726	219	1.5%
13.6%	14,506	14,683	178	1.2%
14.8%	14,474	14,526	52	0.4%
16.0%	14,418	14,517	100	0.7%
17.3%	14,353	14,498	145	1.0%
18.5%	14,269	14,498	228	1.6%
19.8%	14,241	14,369	128	0.9%
21.0%	14,212	14,341	129	0.9%
22.2%	14,103	14,239	136	1.0%
23.5%	14,091	14,151	60	0.4%
24.7%	14,027	14,096	68	0.5%
25.9%	13,984	14,081	97	0.7%
27.2%	13,943	13,946	4	0.0%
28.4%	13,836	13,938	102	0.7%
29.6%	13,827	13,772	-55	-0.4%
30.9%	13,821	13,746	-75	-0.5%
32.1%	13,816	13,716	-100	-0.7%
33.3%	13,768	13,642	-126	-0.9%
34.6%	13,720	13,568	-152	-1.1%
35.8%	13,719	13,420	-300	-2.2%
37.0%	13,700	13,392	-309	-2.3%
38.3%	13,616	13,271	-346	-2.5%
39.5%	13,374	13,130	-244	-1.8%
40.7%	13,258	13,042	-216	-1.6%
42.0%	13,150	13,039	-111	-0.8%
43.2%	13,142	12,998	-144	-1.1%
44.4%	13,107	12,784	-323	-2.5%
45.7%	13,102	12,727	-375	-2.9%
46.9%	13,086	12,650	-436	-3.3%
48.1%	13,049	12,591	-457	-3.5%
49.4%	12,710	12,578	-131	-1.0%
50.6%	12,386	12,571	185	1.5%
51.9%	12,318	12,548	231	1.9%
53.1%	12,304	12,461	157	1.3%
54.3%	12,281	12,361	79	0.6%
55.6%	12,211	12,357	146	1.2%
56.8%	12,175	12,314	139	1.1%
58.0%	12,156	12,272	107	0.9%
59.3%	12,089	12,270	182	1.5%
60.5%	11,896	12,230	333	2.8%
61.7%	11,799	12,011	211	1.8%
63.0%	11,748	11,994	246	2.1%
64.2%	11,746	11,939	193	1.6%
65.4%	11,737	11,797	61	0.5%
66.7%	11,668	11,771	104	0.9%
67.9%	11,643	11,730	87	0.8%
69.1%	11,544	11,580	36	0.3%
70.4%	11,529	11,572	43	0.4%
71.6%	11,423	11,519	96	0.8%
72.8%	11,402	11,486	83	0.7%
74.1%	11,368	11,446	78	0.7%
75.3%	11,354	11,414	60	0.5%
76.5%	11,271	11,407	137	1.2%
77.8%	11,187	11,375	188	1.7%
79.0%	11,156	11,273	116	1.0%
80.2%	11,151	11,178	27	0.2%
81.5%	11,027	11,167	140	1.3%
82.7%	11,025	11,067	42	0.4%
84.0%	10,872	10,755	-117	-1.1%
85.2%	10,750	10,730	-20	-0.2%
86.4%	10,629	10,618	-11	-0.1%
87.7%	10,629	10,569	-60	-0.6%
88.9%	10,553	10,500	-53	-0.5%
90.1%	10,445	10,459	13	0.1%
91.4%	10,420	10,451	31	0.3%
92.6%	10,218	10,443	225	2.2%
93.8%	10,127	10,335	209	2.1%
95.1%	10,017	10,238	220	2.2%
96.3%	9,960	10,086	126	1.3%
97.5%	9,778	9,619	-158	-1.6%
98.8%	9,423	9,598	175	1.9%
100.0%	8,541	8,819	278	3.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	13,622	-113	-0.8%
1.2%	13,621	13,225	-396	-2.9%
2.5%	13,216	12,875	-342	-2.6%
3.7%	13,085	12,498	-586	-4.5%
4.9%	12,860	12,134	-726	-5.6%
6.2%	12,633	12,039	-593	-4.7%
7.4%	12,489	11,943	-547	-4.4%
8.6%	12,160	11,701	-459	-3.8%
9.9%	12,104	11,619	-485	-4.0%
11.1%	11,691	11,478	-213	-1.8%
12.3%	11,657	11,336	-322	-2.8%
13.6%	11,645	11,251	-394	-3.4%
14.8%	11,503	11,202	-301	-2.6%
16.0%	11,473	11,034	-438	-3.8%
17.3%	11,451	11,009	-442	-3.9%
18.5%	11,436	11,002	-434	-3.8%
19.8%	11,301	10,909	-392	-3.5%
21.0%	11,235	10,888	-347	-3.1%
22.2%	11,211	10,874	-337	-3.0%
23.5%	10,863	10,804	-59	-0.5%
24.7%	10,839	10,765	-74	-0.7%
25.9%	10,741	10,453	-288	-2.7%
27.2%	10,694	10,445	-249	-2.3%
28.4%	10,689	10,440	-249	-2.3%
29.6%	10,513	10,399	-114	-1.1%
30.9%	10,472	10,338	-134	-1.3%
32.1%	10,458	10,327	-132	-1.3%
33.3%	10,335	10,253	-82	-0.8%
34.6%	10,327	10,230	-97	-0.9%
35.8%	10,284	10,208	-76	-0.7%
37.0%	10,246	10,045	-201	-2.0%
38.3%	10,244	9,938	-306	-3.0%
39.5%	10,126	9,897	-229	-2.3%
40.7%	10,104	9,892	-212	-2.1%
42.0%	10,063	9,799	-264	-2.6%
43.2%	10,027	9,794	-233	-2.3%
44.4%	9,990	9,673	-318	-3.2%
45.7%	9,990	9,581	-409	-4.1%
46.9%	9,974	9,573	-402	-4.0%
48.1%	9,933	9,562	-372	-3.7%
49.4%	9,930	9,561	-369	-3.7%
50.6%	9,886	9,528	-358	-3.6%
51.9%	9,836	9,523	-312	-3.2%
53.1%	9,825	9,517	-308	-3.1%
54.3%	9,795	9,490	-305	-3.1%
55.6%	9,662	9,423	-239	-2.5%
56.8%	9,633	9,374	-260	-2.7%
58.0%	9,608	9,338	-270	-2.8%
59.3%	9,599	9,337	-262	-2.7%
60.5%	9,593	9,335	-258	-2.7%
61.7%	9,509	9,334	-175	-1.8%
63.0%	9,439	9,291	-148	-1.6%
64.2%	9,321	9,289	-32	-0.3%
65.4%	9,277	9,199	-79	-0.8%
66.7%	9,268	9,186	-82	-0.9%
67.9%	9,250	9,162	-88	-0.9%
69.1%	9,209	9,154	-55	-0.6%
70.4%	9,199	9,139	-60	-0.7%
71.6%	9,192	9,111	-81	-0.9%
72.8%	9,125	9,058	-67	-0.7%
74.1%	9,076	9,035	-41	-0.5%
75.3%	8,983	8,998	15	0.2%
76.5%	8,946	8,940	-5	-0.1%
77.8%	8,945	8,924	-21	-0.2%
79.0%	8,929	8,913	-16	-0.2%
80.2%	8,927	8,896	-31	-0.3%
81.5%	8,772	8,872	100	1.1%
82.7%	8,699	8,826	127	1.5%
84.0%	8,682	8,813	131	1.5%
85.2%	8,666	8,799	133	1.5%
86.4%	8,584	8,761	177	2.1%
87.7%	8,531	8,759	227	2.7%
88.9%	8,514	8,705	191	2.2%
90.1%	8,480	8,704	224	2.6%
91.4%	8,470	8,588	118	1.4%
92.6%	8,459	8,368	-91	-1.1%
93.8%	8,389	8,272	-117	-1.4%
95.1%	8,368	8,219	-149	-1.8%
96.3%	8,350	8,164	-186	-2.2%
97.5%	7,769	8,162	393	5.1%
98.8%	7,219	7,645	426	5.9%
100.0%	6,951	7,453	502	7.2%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,501	15,010	-1,491	-9.0%
1.2%	15,191	14,828	-363	-2.4%
2.5%	15,100	14,656	-444	-2.9%
3.7%	15,001	14,289	-712	-4.7%
4.9%	14,843	14,074	-769	-5.2%
6.2%	14,483	14,008	-474	-3.3%
7.4%	13,768	13,937	169	1.2%
8.6%	13,614	13,845	231	1.7%
9.9%	13,409	13,693	284	2.1%
11.1%	13,161	13,599	438	3.3%
12.3%	13,158	13,464	306	2.3%
13.6%	13,024	13,209	185	1.4%
14.8%	12,997	13,024	28	0.2%
16.0%	12,918	12,382	-536	-4.1%
17.3%	12,506	12,365	-141	-1.1%
18.5%	12,468	11,718	-750	-6.0%
19.8%	12,352	11,691	-661	-5.4%
21.0%	12,237	11,561	-676	-5.5%
22.2%	11,964	11,517	-447	-3.7%
23.5%	11,717	11,339	-378	-3.2%
24.7%	11,442	11,231	-212	-1.9%
25.9%	11,169	11,166	-2	0.0%
27.2%	10,910	11,011	101	0.9%
28.4%	10,709	10,791	82	0.8%
29.6%	10,201	9,853	-348	-3.4%
30.9%	9,965	9,669	-296	-3.0%
32.1%	9,957	9,259	-698	-7.0%
33.3%	9,698	9,208	-490	-5.1%
34.6%	9,363	9,089	-273	-2.9%
35.8%	9,157	8,716	-441	-4.8%
37.0%	8,974	8,337	-638	-7.1%
38.3%	8,806	8,131	-674	-7.7%
39.5%	8,803	7,731	-1,072	-12.2%
40.7%	8,082	7,398	-683	-8.5%
42.0%	7,392	7,354	-38	-0.5%
43.2%	7,113	7,301	188	2.6%
44.4%	7,033	7,242	210	3.0%
45.7%	7,023	7,224	201	2.9%
46.9%	6,989	7,106	117	1.7%
48.1%	6,953	6,809	-145	-2.1%
49.4%	6,830	6,777	-53	-0.8%
50.6%	6,733	6,656	-77	-1.1%
51.9%	6,683	6,558	-125	-1.9%
53.1%	6,630	6,467	-163	-2.5%
54.3%	6,378	6,430	52	0.8%
55.6%	6,348	6,398	50	0.8%
56.8%	6,219	6,331	111	1.8%
58.0%	6,131	6,322	190	3.1%
59.3%	6,079	6,317	238	3.9%
60.5%	6,069	6,260	191	3.1%
61.7%	6,046	6,256	209	3.5%
63.0%	6,029	6,252	223	3.7%
64.2%	6,026	6,244	218	3.6%
65.4%	6,004	6,219	215	3.6%
66.7%	5,977	6,185	208	3.5%
67.9%	5,968	6,027	59	1.0%
69.1%	5,916	6,000	84	1.4%
70.4%	5,760	5,854	94	1.6%
71.6%	5,736	5,839	103	1.8%
72.8%	5,718	5,796	78	1.4%
74.1%	5,701	5,759	58	1.0%
75.3%	5,664	5,747	82	1.5%
76.5%	5,547	5,730	182	3.3%
77.8%	5,544	5,698	154	2.8%
79.0%	5,489	5,678	189	3.4%
80.2%	5,454	5,663	209	3.8%
81.5%	5,411	5,656	246	4.5%
82.7%	5,369	5,642	272	5.1%
84.0%	5,333	5,511	177	3.3%
85.2%	5,196	5,503	307	5.9%
86.4%	5,188	5,497	309	6.0%
87.7%	5,046	5,491	445	8.8%
88.9%	4,940	5,488	548	11.1%
90.1%	4,826	5,354	528	10.9%
91.4%	4,815	5,299	484	10.1%
92.6%	4,577	5,233	656	14.3%
93.8%	4,561	5,188	627	13.7%
95.1%	4,446	5,149	703	15.8%
96.3%	4,405	4,906	501	11.4%
97.5%	4,302	4,567	266	6.2%
98.8%	4,290	4,465	175	4.1%
100.0%	4,046	4,406	361	8.9%

Table SW-13-5a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative B	6,598	8,988	12,512	16,181	19,268	14,217	8,899	7,871	8,561	10,418	7,814	7,910
Difference	66	137	-281	-1,111	-1,102	-2,486	-1,264	-785	-104	474	-227	31
Percent Difference[3]	1.0%	1.5%	-2.2%	-6.4%	-5.4%	-14.9%	-12.4%	-9.1%	-1.2%	4.8%	-2.8%	0.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative B	8,005	11,346	12,874	29,907	32,639	25,731	14,323	11,126	9,297	10,212	7,800	12,040
Difference	394	-121	-410	-1,446	-1,325	-2,548	-1,522	-745	327	580	-481	-147
Percent Difference	5.2%	-1.1%	-3.1%	-4.6%	-3.9%	-9.0%	-9.6%	-6.3%	3.6%	6.0%	-5.8%	-1.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative B	6,363	10,906	12,639	16,630	24,776	15,065	8,723	7,810	8,467	11,359	7,671	7,565
Difference	-56	44	-475	-2,310	-1,810	-3,653	-1,478	-980	-288	896	-183	-392
Percent Difference	-0.9%	0.4%	-3.6%	-12.2%	-6.8%	-19.5%	-14.5%	-11.1%	-3.3%	8.6%	-2.3%	-4.9%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative B	6,451	8,185	14,379	9,436	12,655	7,483	6,623	6,114	7,849	10,214	7,237	5,370
Difference	503	498	-34	-1,243	-913	-2,878	-1,170	-925	-419	686	-342	217
Percent Difference	8.4%	6.5%	-0.2%	-11.6%	-6.7%	-27.8%	-15.0%	-13.1%	-5.1%	7.2%	-4.5%	4.2%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative B	5,541	7,360	14,480	7,625	9,709	7,719	5,448	6,232	8,149	10,566	8,128	5,548
Difference	-554	402	81	-290	-806	-2,314	-1,156	-602	-433	330	-215	23
Percent Difference	-9.1%	5.8%	0.6%	-3.7%	-7.7%	-23.1%	-17.5%	-8.8%	-5.0%	3.2%	-2.6%	0.4%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative B	5,541	5,341	6,467	6,695	6,841	6,022	5,152	5,391	8,510	9,943	8,191	5,814
Difference	-101	-29	-640	-264	-577	-988	-764	-787	6	-204	398	633
Percent Difference	-1.8%	-0.5%	-9.0%	-3.8%	-7.8%	-14.1%	-12.9%	-12.7%	0.1%	-2.0%	5.1%	12.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-13-5b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

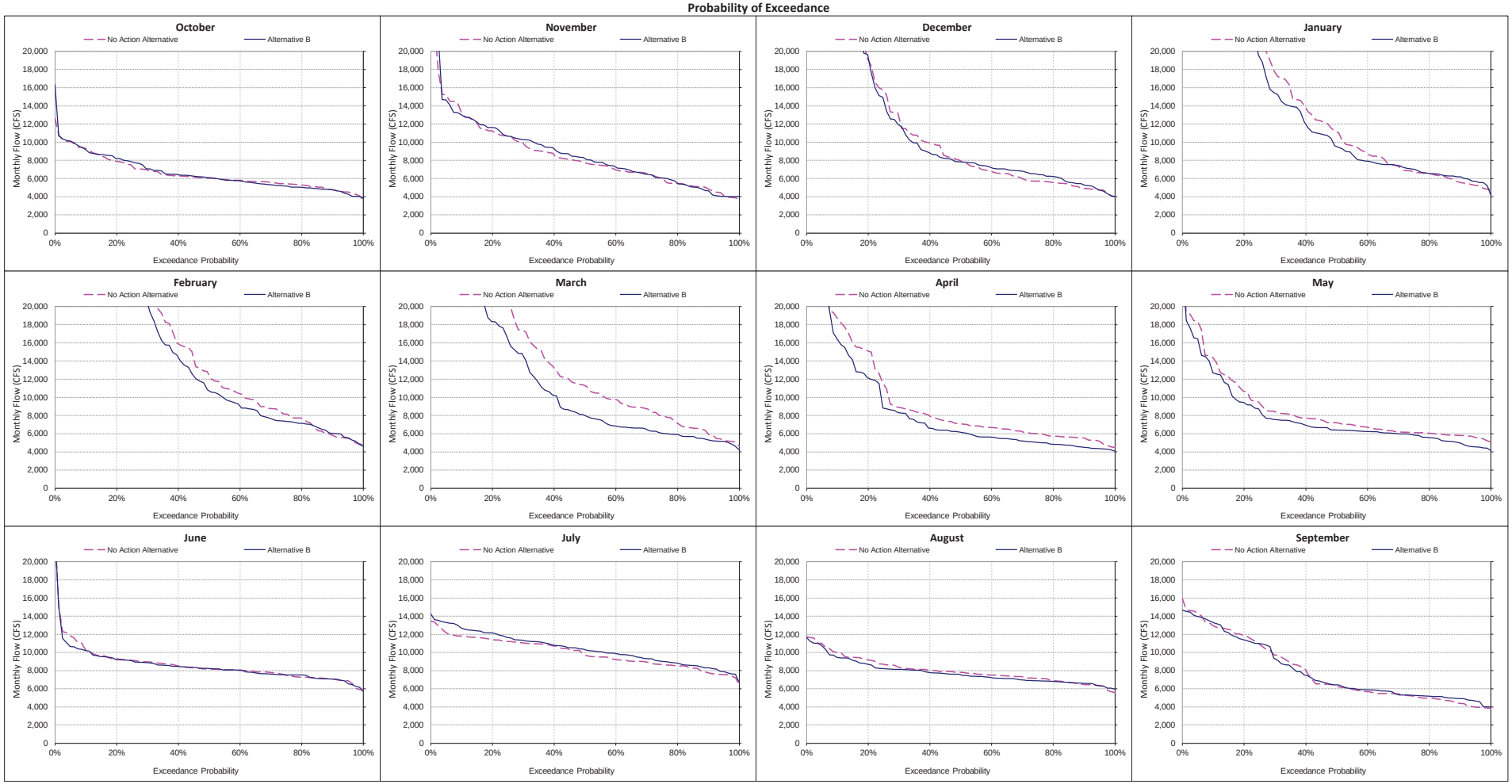

Table SW-13-5b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	16,376	3,726	29.4%
1.2%	10,812	10,704	-108	-1.0%
2.5%	10,263	10,399	136	1.3%
3.7%	10,097	10,185	88	0.9%
4.9%	10,066	10,124	58	0.6%
6.2%	9,845	9,946	102	1.0%
7.4%	9,457	9,637	181	1.9%
8.6%	9,426	9,450	24	0.3%
9.9%	9,329	9,219	-110	-1.2%
11.1%	9,110	8,851	-258	-2.8%
12.3%	8,810	8,760	-50	-0.6%
13.6%	8,707	8,692	-15	-0.2%
14.8%	8,447	8,643	196	2.3%
16.0%	8,380	8,603	223	2.7%
17.3%	8,099	8,546	447	5.5%
18.5%	8,005	8,523	517	6.5%
19.8%	7,899	8,205	307	3.9%
21.0%	7,850	8,204	354	4.5%
22.2%	7,762	8,007	245	3.2%
23.5%	7,564	7,950	386	5.1%
24.7%	7,511	7,864	353	4.7%
25.9%	7,056	7,744	687	9.7%
27.2%	7,055	7,688	633	9.0%
28.4%	7,036	7,521	485	6.9%
29.6%	6,990	7,077	87	1.2%
30.9%	6,851	7,052	201	2.9%
32.1%	6,788	6,896	107	1.6%
33.3%	6,745	6,888	142	2.1%
34.6%	6,462	6,851	389	6.0%
35.8%	6,391	6,493	102	1.6%
37.0%	6,374	6,488	114	1.8%
38.3%	6,311	6,476	166	2.6%
39.5%	6,301	6,453	152	2.4%
40.7%	6,292	6,367	75	1.2%
42.0%	6,247	6,356	109	1.7%
43.2%	6,232	6,341	109	1.8%
44.4%	6,188	6,292	104	1.7%
45.7%	6,139	6,215	77	1.2%
46.9%	6,093	6,195	102	1.7%
48.1%	6,080	6,180	100	1.6%
49.4%	6,034	6,122	88	1.5%
50.6%	6,018	6,084	66	1.1%
51.9%	5,994	6,032	39	0.6%
53.1%	5,901	5,946	45	0.8%
54.3%	5,890	5,882	-8	-0.1%
55.6%	5,882	5,822	-60	-1.0%
56.8%	5,807	5,816	9	0.2%
58.0%	5,796	5,785	-11	-0.2%
59.3%	5,795	5,783	-11	-0.2%
60.5%	5,772	5,735	-37	-0.6%
61.7%	5,742	5,614	-128	-2.2%
63.0%	5,687	5,591	-96	-1.7%
64.2%	5,686	5,521	-164	-2.9%
65.4%	5,670	5,467	-203	-3.6%
66.7%	5,662	5,423	-239	-4.2%
67.9%	5,659	5,390	-270	-4.8%
69.1%	5,597	5,345	-252	-4.5%
70.4%	5,542	5,319	-223	-4.0%
71.6%	5,504	5,253	-251	-4.6%
72.8%	5,455	5,221	-234	-4.3%
74.1%	5,430	5,198	-233	-4.3%
75.3%	5,413	5,155	-257	-4.8%
76.5%	5,375	5,064	-311	-5.8%
77.8%	5,346	5,063	-283	-5.3%
79.0%	5,291	5,052	-238	-4.5%
80.2%	5,277	5,039	-239	-4.5%
81.5%	5,237	4,971	-266	-5.1%
82.7%	5,138	4,967	-171	-3.3%
84.0%	5,124	4,906	-218	-4.3%
85.2%	5,055	4,886	-169	-3.3%
86.4%	5,041	4,842	-198	-3.9%
87.7%	4,880	4,826	-54	-1.1%
88.9%	4,795	4,812	17	0.4%
90.1%	4,767	4,759	-9	-0.2%
91.4%	4,644	4,664	20	0.4%
92.6%	4,613	4,566	-46	-1.0%
93.8%	4,525	4,396	-129	-2.9%
95.1%	4,514	4,268	-246	-5.4%
96.3%	4,367	4,057	-311	-7.1%
97.5%	4,264	4,042	-221	-5.2%
98.8%	4,076	4,014	-63	-1.5%
100.0%	3,617	3,848	232	6.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	35,707	-4,176	-10.5%
1.2%	22,766	22,288	-478	-2.1%
2.5%	17,745	21,564	3,819	21.5%
3.7%	15,278	14,682	-596	-3.9%
4.9%	15,209	14,653	-557	-3.7%
6.2%	14,513	14,108	-405	-2.8%
7.4%	14,497	13,283	-1,214	-8.4%
8.6%	14,412	13,253	-1,159	-8.0%
9.9%	13,310	13,033	-276	-2.1%
11.1%	12,787	12,755	-32	-0.3%
12.3%	12,699	12,746	47	0.4%
13.6%	12,493	12,528	34	0.3%
14.8%	12,206	12,251	45	0.4%
16.0%	11,527	11,934	407	3.5%
17.3%	11,482	11,887	406	3.5%
18.5%	11,281	11,619	338	3.0%
19.8%	11,253	11,611	359	3.2%
21.0%	11,060	11,589	530	4.8%
22.2%	10,839	11,293	453	4.2%
23.5%	10,719	10,869	151	1.4%
24.7%	10,713	10,664	-49	-0.5%
25.9%	10,674	10,644	-30	-0.3%
27.2%	10,258	10,475	217	2.1%
28.4%	10,044	10,397	354	3.5%
29.6%	10,036	10,312	276	2.8%
30.9%	9,552	10,269	717	7.5%
32.1%	9,299	10,210	911	9.8%
33.3%	9,092	9,983	891	9.8%
34.6%	9,069	9,815	746	8.2%
35.8%	9,030	9,711	681	7.5%
37.0%	8,987	9,471	485	5.4%
38.3%	8,840	9,452	612	6.9%
39.5%	8,792	9,422	630	7.2%
40.7%	8,307	9,014	706	8.5%
42.0%	8,254	8,801	547	6.6%
43.2%	8,201	8,754	553	6.7%
44.4%	8,112	8,748	635	7.8%
45.7%	8,060	8,473	413	5.1%
46.9%	7,975	8,426	451	5.7%
48.1%	7,958	8,353	396	5.0%
49.4%	7,777	8,321	544	7.0%
50.6%	7,675	8,076	402	5.2%
51.9%	7,578	8,049	471	6.2%
53.1%	7,548	7,830	282	3.7%
54.3%	7,510	7,794	284	3.8%
55.6%	7,421	7,783	362	4.9%
56.8%	7,402	7,531	128	1.7%
58.0%	7,259	7,424	166	2.3%
59.3%	7,050	7,414	364	5.2%
60.5%	6,893	7,161	268	3.9%
61.7%	6,811	7,113	302	4.4%
63.0%	6,800	7,054	254	3.7%
64.2%	6,706	6,958	251	3.7%
65.4%	6,692	6,777	85	1.3%
66.7%	6,673	6,708	35	0.5%
67.9%	6,666	6,653	-13	-0.2%
69.1%	6,647	6,512	-134	-2.0%
70.4%	6,502	6,465	-37	-0.6%
71.6%	6,424	6,400	-24	-0.4%
72.8%	6,229	6,129	-101	-1.6%
74.1%	6,075	6,089	14	0.2%
75.3%	5,938	6,055	116	2.0%
76.5%	5,531	6,016	485	8.8%
77.8%	5,481	5,878	397	7.2%
79.0%	5,472	5,746	274	5.0%
80.2%	5,452	5,429	-23	-0.4%
81.5%	5,436	5,397	-39	-0.7%
82.7%	5,301	5,315	14	0.3%
84.0%	5,241	5,110	-132	-2.5%
85.2%	5,146	5,054	-92	-1.8%
86.4%	5,117	5,026	-91	-1.8%
87.7%	5,098	4,875	-223	-4.4%
88.9%	5,059	4,703	-356	-7.0%
90.1%	4,833	4,627	-207	-4.3%
91.4%	4,612	4,197	-415	-9.0%
92.6%	4,485	4,114	-371	-8.3%
93.8%	4,473	4,068	-404	-9.0%
95.1%	4,124	4,033	-90	-2.2%
96.3%	3,972	4,032	60	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,641	48,733	91	0.2%
1.2%	47,931	46,093	-1,838	-3.8%
2.5%	38,663	37,747	-916	-2.4%
3.7%	38,506	37,544	-963	-2.5%
4.9%	37,913	36,006	-1,907	-5.0%
6.2%	37,864	33,434	-4,430	-11.7%
7.4%	34,005	30,669	-3,336	-9.8%
8.6%	33,136	29,879	-3,257	-9.8%
9.9%	28,160	28,613	453	1.6%
11.1%	26,314	24,851	-1,463	-5.6%
12.3%	25,784	23,910	-1,874	-7.3%
13.6%	24,405	23,642	-763	-3.1%
14.8%	23,956	23,134	-822	-3.4%
16.0%	23,915	22,991	-924	-3.9%
17.3%	21,577	22,840	1,262	5.8%
18.5%	20,868	19,792	-1,077	-5.2%
19.8%	19,202	19,645	443	2.3%
21.0%	18,407	17,566	-841	-4.6%
22.2%	16,615	15,938	-677	-4.1%
23.5%	15,998	15,144	-855	-5.3%
24.7%	15,793	14,952	-841	-5.3%
25.9%	15,219	13,402	-1,817	-11.9%
27.2%	13,350	12,559	-791	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,951	-1,284	-9.7%
30.9%	11,515	11,671	156	1.4%
32.1%	11,490	10,798	-692	-6.0%
33.3%	11,054	10,244	-809	-7.3%
34.6%	10,790	9,951	-839	-7.8%
35.8%	10,789	9,904	-885	-8.2%
37.0%	10,255	9,174	-1,080	-10.5%
38.3%	10,055	9,056	-998	-9.9%
39.5%	9,955	8,884	-1,071	-10.8%
40.7%	9,915	8,658	-1,256	-12.7%
42.0%	9,694	8,629	-1,065	-11.0%
43.2%	9,662	8,362	-1,300	-13.5%
44.4%	8,583	8,236	-347	-4.0%
45.7%	8,410	8,215	-195	-2.3%
46.9%	8,332	8,121	-211	-2.5%
48.1%	8,156	7,875	-281	-3.4%
49.4%	8,048	7,858	-190	-2.4%
50.6%	7,822	7,825	3	0.0%
51.9%	7,705	7,791	85	1.1%
53.1%	7,385	7,745	360	4.9%
54.3%	7,310	7,738	428	5.9%
55.6%	7,245	7,503	258	3.6%
56.8%	7,010	7,414	404	5.8%
58.0%	6,915	7,405	490	7.1%
59.3%	6,892	7,292	400	5.8%
60.5%	6,707	7,109	402	6.0%
61.7%	6,585	7,075	491	7.5%
63.0%	6,556	7,072	516	7.9%
64.2%	6,549	7,052	503	7.7%
65.4%	6,524	6,947	423	6.5%
66.7%	6,299	6,897	597	9.5%
67.9%	6,243	6,863	620	9.9%
69.1%	6,124	6,837	713	11.6%
70.4%	5,923	6,781	858	14.5%
71.6%	5,788	6,641	853	14.7%
72.8%	5,733	6,534	801	14.0%
74.1%	5,725	6,526	801	14.0%
75.3%	5,714	6,434	720	12.6%
76.5%	5,688	6,421	733	12.9%
77.8%	5,677	6,253	576	10.1%
79.0%	5,605	6,249	644	11.5%
80.2%	5,523	6,187	664	12.0%
81.5%	5,508	6,152	644	11.7%
82.7%	5,482	6,013	531	9.7%
84.0%	5,453	5,707	254	4.7%
85.2%	5,427	5,573	145	2.7%
86.4%	5,169	5,526	356	6.9%
87.7%	5,124	5,451	326	6.4%
88.9%	4,976	5,438	462	9.3%
90.1%	4,902	5,265	362	7.4%
91.4%	4,876	5,224	348	7.1%
92.6%	4,832	5,159	327	6.8%
93.8%	4,759	4,901	142	3.0%
95.1%	4,735	4,714	-21	-0.4%
96.3%	4,710	4,615	-95	-2.0%
97.5%	4,337	4,337	-1	0.0%
98.8%	4,104	4,103	-2	0.0%
100.0%	3,960	4,016	56	1.4%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,516	85,088	-2,428	-2.8%
1.2%	64,102	64,102	0	0.0%
2.5%	57,934	55,513	-2,421	-4.2%
3.7%	57,903	55,487	-2,416	-4.2%
4.9%	48,361	47,127	-1,233	-2.6%
6.2%	48,061	44,324	-3,737	-7.8%
7.4%	44,076	43,272	-804	-1.8%
8.6%	42,936	41,916	-1,020	-2.4%
9.9%	36,581	34,588	-1,993	-5.4%
11.1%	34,591	34,156	-435	-1.3%
12.3%	32,482	30,574	-1,908	-5.9%
13.6%	31,053	28,160	-2,893	-9.3%
14.8%	30,594	27,999	-2,595	-8.5%
16.0%	30,309	27,002	-3,307	-10.9%
17.3%	29,006	24,250	-4,757	-16.4%
18.5%	26,574	23,724	-2,850	-10.7%
19.8%	25,789	23,253	-2,537	-9.8%
21.0%	25,406	21,805	-3,602	-14.2%
22.2%	24,573	21,643	-2,930	-11.9%
23.5%	23,536	21,360	-2,176	-9.2%
24.7%	21,878	19,539	-2,338	-10.7%
25.9%	21,077	18,778	-2,299	-10.9%
27.2%	20,003	17,134	-2,869	-14.3%
28.4%	18,966	15,792	-3,174	-16.7%
29.6%	17,868	15,466	-2,401	-13.4%
30.9%	17,226	15,234	-1,992	-11.6%
32.1%	17,077	14,483	-2,595	-15.2%
33.3%	16,880	14,168	-2,712	-16.1%
34.6%	16,321	14,012	-2,309	-14.1%
35.8%	14,718	13,896	-822	-5.6%
37.0%	14,686	13,853	-833	-5.7%
38.3%	14,595	13,349	-1,246	-8.5%
39.5%	14,012	12,240	-1,772	-12.6%
40.7%	13,333	11,579	-1,754	-13.2%
42.0%	12,991	11,135	-1,856	-14.3%
43.2%	12,453	11,037	-1,416	-11.4%
44.4%	12,407	10,958	-1,449	-11.7%
45.7%	12,239	10,828	-1,411	-11.5%
46.9%	12,092	10,750	-1,342	-11.1%
48.1%	11,578	10,430	-1,147	-9.9%
49.4%	11,171	9,610	-1,562	-14.0%
50.6%	11,067	9,442	-1,625	-14.7%
51.9%	10,102	9,279	-823	-8.1%
53.1%	9,741	8,968	-773	-7.9%
54.3%	9,687	8,939	-748	-7.7%
55.6%	9,536	8,492	-1,043	-10.9%
56.8%	9,420	8,063	-1,357	-14.4%
58.0%	9,103	8,006	-1,097	-12.1%
59.3%	8,901	7,926	-975	-11.0%
60.5%	8,602	7,912	-690	-8.0%
61.7%	8,447	7,784	-663	-7.9%
63.0%	8,446	7,689	-756	-9.0%
64.2%	8,439	7,600	-839	-9.9%
65.4%	8,125	7,550	-576	-7.1%
66.7%	7,573	7,548	-25	-0.3%
67.9%	7,551	7,534	-17	-0.2%
69.1%	7,494	7,452	-42	-0.6%
70.4%	7,254	7,421	167	2.3%
71.6%	6,908	7,232	323	4.7%
72.8%	6,879	7,126	247	3.6%
74.1%	6,837	7,053	216	3.2%
75.3%	6,672	7,011	340	5.1%
76.5%	6,650	6,815	165	2.5%
77.8%	6,608	6,644	36	0.5%
79.0%	6,599	6,614	15	0.2%
80.2%	6,569	6,545	-24	-0.4%
81.5%	6,414	6,530	116	1.8%
82.7%	6,327	6,520	193	3.1%
84.0%	6,315	6,405	90	1.4%
85.2%	6,198	6,314	116	1.9%
86.4%	5,993	6,289	296	4.9%
87.7%	5,943	6,288	345	5.8%
88.9%	5,683	6,199	516	9.1%
90.1%	5,548	6,194	647	11.7%
91.4%	5,510	6,016	506	9.2%
92.6%	5,448	5,938	491	9.0%
93.8%	5,334	5,715	381	7.1%
95.1%	5,253	5,688	435	8.3%
96.3%	5,222	5,570	348	6.7%
97.5%	4,920	5,546	626	12.7%
98.8%	4,837	5,218	381	7.9%
100.0%	4,817	4,135	-682	-14.2%

Table SW-13-5b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	78,975	-2,576	-3.2%
1.2%	73,485	76,335	2,850	3.9%
2.5%	72,391	72,387	-4	0.0%
3.7%	60,933	60,930	-3	0.0%
4.9%	52,482	52,138	-344	-0.7%
6.2%	51,691	51,385	-306	-0.6%
7.4%	50,703	48,885	-1,817	-3.6%
8.6%	49,105	46,606	-2,499	-5.1%
9.9%	47,905	46,368	-1,537	-3.2%
11.1%	47,013	45,341	-1,672	-3.6%
12.3%	45,694	44,257	-1,437	-3.1%
13.6%	45,216	42,653	-2,563	-5.7%
14.8%	41,866	39,488	-2,378	-5.7%
16.0%	36,677	35,814	-863	-2.4%
17.3%	35,814	34,111	-1,703	-4.8%
18.5%	34,797	32,247	-2,550	-7.3%
19.8%	33,370	30,808	-2,562	-7.7%
21.0%	31,814	29,264	-2,550	-8.0%
22.2%	30,294	27,733	-2,561	-8.5%
23.5%	27,993	25,218	-2,774	-9.9%
24.7%	27,313	25,172	-2,140	-7.8%
25.9%	27,275	25,007	-2,268	-8.3%
27.2%	23,060	24,930	1,869	8.1%
28.4%	22,970	22,619	-351	-1.5%
29.6%	22,484	20,770	-1,714	-7.6%
30.9%	20,577	19,348	-1,229	-6.0%
32.1%	20,100	18,437	-1,663	-8.3%
33.3%	19,797	17,217	-2,580	-13.0%
34.6%	19,268	16,273	-2,995	-15.5%
35.8%	18,274	15,779	-2,496	-13.7%
37.0%	18,143	15,750	-2,393	-13.2%
38.3%	17,150	14,941	-2,209	-12.9%
39.5%	16,001	14,676	-1,325	-8.3%
40.7%	15,749	13,984	-1,765	-11.2%
42.0%	15,566	13,544	-2,021	-13.0%
43.2%	15,523	13,307	-2,215	-14.3%
44.4%	15,031	12,552	-2,479	-16.5%
45.7%	13,375	12,036	-1,340	-10.0%
46.9%	13,220	11,780	-1,440	-10.9%
48.1%	12,935	11,609	-1,327	-10.3%
49.4%	12,840	10,821	-2,020	-15.7%
50.6%	12,035	10,569	-1,466	-12.2%
51.9%	11,796	10,525	-1,271	-10.8%
53.1%	11,744	10,328	-1,416	-12.1%
54.3%	11,091	10,031	-1,060	-9.6%
55.6%	10,974	9,704	-1,271	-11.6%
56.8%	10,876	9,584	-1,292	-11.9%
58.0%	10,677	9,437	-1,240	-11.6%
59.3%	10,457	9,290	-1,167	-11.2%
60.5%	10,351	8,823	-1,528	-14.8%
61.7%	9,907	8,810	-1,097	-11.1%
63.0%	9,828	8,753	-1,075	-10.9%
64.2%	9,781	8,696	-1,085	-11.1%
65.4%	9,468	8,540	-928	-9.8%
66.7%	8,995	7,989	-1,006	-11.2%
67.9%	8,975	7,883	-1,092	-12.2%
69.1%	8,795	7,760	-1,035	-11.8%
70.4%	8,775	7,612	-1,163	-13.3%
71.6%	8,735	7,454	-1,281	-14.7%
72.8%	8,447	7,427	-1,020	-12.1%
74.1%	8,189	7,402	-787	-9.6%
75.3%	8,138	7,343	-795	-9.8%
76.5%	7,786	7,315	-470	-6.0%
77.8%	7,742	7,235	-507	-6.6%
79.0%	7,741	7,147	-594	-7.7%
80.2%	7,700	7,137	-563	-7.3%
81.5%	7,349	7,063	-286	-3.9%
82.7%	7,188	7,046	-141	-2.0%
84.0%	6,765	6,859	94	1.4%
85.2%	6,329	6,673	344	5.4%
86.4%	6,269	6,509	241	3.8%
87.7%	6,039	6,390	351	5.8%
88.9%	5,968	6,097	129	2.2%
90.1%	5,818	6,025	207	3.6%
91.4%	5,602	6,014	412	7.4%
92.6%	5,573	5,966	394	7.1%
93.8%	5,558	5,603	44	0.8%
95.1%	5,510	5,554	44	0.8%
96.3%	5,289	5,294	5	0.1%
97.5%	4,975	5,168	193	3.9%
98.8%	4,894	4,791	-103	-2.1%
100.0%	4,773	4,608	-165	-3.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,964	3	0.0%
1.2%	76,606	73,080	-3,526	-4.6%
2.5%	59,064	55,164	-3,900	-6.6%
3.7%	53,953	52,087	-1,866	-3.5%
4.9%	52,087	51,947	-140	-0.3%
6.2%	44,292	38,774	-5,518	-12.5%
7.4%	37,412	33,479	-3,933	-10.5%
8.6%	36,276	32,349	-3,927	-10.8%
9.9%	33,130	29,225	-3,905	-11.8%
11.1%	30,981	27,075	-3,906	-12.6%
12.3%	29,603	25,696	-3,906	-13.2%
13.6%	26,653	23,539	-3,114	-11.7%
14.8%	24,221	22,558	-1,663	-6.9%
16.0%	24,215	20,530	-3,685	-15.2%
17.3%	22,756	20,309	-2,447	-10.8%
18.5%	22,699	18,796	-3,903	-17.2%
19.8%	22,558	18,339	-4,219	-18.7%
21.0%	22,393	18,306	-4,087	-18.3%
22.2%	21,243	17,831	-3,412	-16.1%
23.5%	20,945	17,644	-3,300	-15.8%
24.7%	20,604	16,697	-3,907	-19.0%
25.9%	19,929	15,630	-4,299	-21.6%
27.2%	18,519	15,247	-3,272	-17.7%
28.4%	17,441	14,852	-2,589	-14.8%
29.6%	17,384	14,837	-2,547	-14.7%
30.9%	17,191	14,051	-3,140	-18.3%
32.1%	16,128	12,729	-3,399	-21.1%
33.3%	15,708	12,299	-3,409	-21.7%
34.6%	15,322	11,777	-3,545	-23.1%
35.8%	15,177	11,130	-4,046	-26.7%
37.0%	14,154	10,783	-3,371	-23.8%
38.3%	13,811	10,633	-3,178	-23.0%
39.5%	13,444	10,260	-3,184	-23.7%
40.7%	12,987	10,153	-2,834	-21.8%
42.0%	12,302	8,897	-3,405	-27.7%
43.2%	12,206	8,672	-3,534	-29.0%
44.4%	12,124	8,670	-3,455	-28.5%
45.7%	11,686	8,493	-3,193	-27.3%
46.9%	11,555	8,367	-3,187	-27.6%
48.1%	11,428	8,151	-3,277	-28.7%
49.4%	11,398	8,098	-3,300	-29.0%
50.6%	11,188	7,896	-3,292	-29.4%
51.9%	10,627	7,737	-2,889	-27.2%
53.1%	10,509	7,643	-2,866	-27.3%
54.3%	10,481	7,571	-2,910	-27.8%
55.6%	10,182	7,457	-2,725	-26.8%
56.8%	9,911	7,142	-2,769	-27.9%
58.0%	9,800	6,947	-2,852	-29.1%
59.3%	9,794	6,858	-2,936	-30.0%
60.5%	9,707	6,810	-2,896	-29.8%
61.7%	9,324	6,743	-2,581	-27.7%
63.0%	9,306	6,716	-2,590	-27.8%
64.2%	9,011	6,682	-2,329	-25.8%
65.4%	8,943	6,655	-2,288	-25.6%
66.7%	8,936	6,623	-2,313	-25.9%
67.9%	8,896	6,621	-2,275	-25.6%
69.1%	8,833	6,590	-2,242	-25.4%
70.4%	8,703	6,402	-2,300	-26.4%
71.6%	8,385	6,283	-2,102	-25.1%
72.8%	8,353	6,272	-2,081	-24.9%
74.1%	8,024	6,116	-1,908	-23.8%
75.3%	7,987	6,022	-1,965	-24.6%
76.5%	7,810	6,011	-1,799	-23.0%
77.8%	7,768	5,960	-1,808	-23.3%
79.0%	7,359	5,928	-1,431	-19.4%
80.2%	7,096	5,889	-1,207	-17.0%
81.5%	6,802	5,724	-1,078	-15.8%
82.7%	6,709	5,706	-1,003	-14.9%
84.0%	6,665	5,702	-962	-14.4%
85.2%	6,622	5,689	-932	-14.1%
86.4%	6,590	5,504	-1,086	-16.5%
87.7%	6,490	5,489	-1,002	-15.4%
88.9%	6,400	5,422	-978	-15.3%
90.1%	5,898	5,317	-580	-9.8%
91.4%	5,830	5,232	-598	-10.3%
92.6%	5,468	5,198	-271	-4.9%
93.8%	5,428	5,175	-253	-4.7%
95.1%	5,234	5,171	-63	-1.2%
96.3%	5,191	5,059	-132	-2.6%
97.5%	5,175	4,847	-328	-6.3%
98.8%	5,065	4,615	-450	-8.9%
100.0%	4,620	4,226	-394	-8.5%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	40,837	-3,402	-7.7%
1.2%	36,674	33,364	-3,310	-9.0%
2.5%	27,314	25,208	-2,107	-7.7%
3.7%	25,194	23,916	-1,278	-5.1%
4.9%	25,007	23,840	-1,167	-4.7%
6.2%	23,846	22,318	-1,528	-6.4%
7.4%	19,529	19,526	-3	0.0%
8.6%	19,343	17,076	-2,267	-11.7%
9.9%	18,754	16,418	-2,335	-12.5%
11.1%	18,235	15,791	-2,444	-13.4%
12.3%	17,795	15,505	-2,290	-12.9%
13.6%	17,076	14,618	-2,458	-14.4%
14.8%	16,115	14,170	-1,946	-12.1%
16.0%	15,551	12,826	-2,724	-17.5%
17.3%	15,481	12,789	-2,693	-17.4%
18.5%	15,306	12,661	-2,644	-17.3%
19.8%	15,135	12,144	-2,991	-19.8%
21.0%	14,991	11,983	-3,009	-20.1%
22.2%	13,107	11,860	-1,247	-9.5%
23.5%	12,660	11,538	-1,123	-8.9%
24.7%	11,600	8,825	-2,775	-23.9%
25.9%	10,957	8,739	-2,218	-20.2%
27.2%	9,279	8,642	-637	-6.9%
28.4%	9,094	8,582	-512	-5.6%
29.6%	8,897	8,312	-586	-6.6%
30.9%	8,837	8,266	-571	-6.5%
32.1%	8,742	8,250	-493	-5.6%
33.3%	8,619	7,652	-967	-11.2%
34.6%	8,552	7,600	-952	-11.1%
35.8%	8,381	7,287	-1,094	-13.1%
37.0%	8,341	7,201	-1,139	-13.7%
38.3%	8,197	7,174	-1,023	-12.5%
39.5%	8,079	6,630	-1,450	-17.9%
40.7%	7,763	6,600	-1,163	-15.0%
42.0%	7,693	6,417	-1,276	-16.6%
43.2%	7,557	6,406	-1,151	-15.2%
44.4%	7,460	6,394	-1,066	-14.3%
45.7%	7,366	6,393	-973	-13.2%
46.9%	7,334	6,262	-1,072	-14.6%
48.1%	7,155	6,256	-899	-12.6%
49.4%	7,143	6,193	-950	-13.3%
50.6%	7,058	6,110	-947	-13.4%
51.9%	7,029	6,049	-980	-13.9%
53.1%	6,897	5,941	-955	-13.9%
54.3%	6,874	5,803	-1,071	-15.6%
55.6%	6,858	5,669	-1,189	-17.3%
56.8%	6,779	5,649	-1,129	-16.7%
58.0%	6,710	5,645	-1,064	-15.9%
59.3%	6,696	5,632	-1,064	-15.9%
60.5%	6,664	5,627	-1,037	-15.6%
61.7%	6,639	5,521	-1,118	-16.8%
63.0%	6,532	5,477	-1,055	-16.1%
64.2%	6,524	5,471	-1,053	-16.1%
65.4%	6,505	5,432	-1,072	-16.5%
66.7%	6,392	5,401	-990	-15.5%
67.9%	6,314	5,361	-953	-15.1%
69.1%	6,308	5,220	-1,088	-17.2%
70.4%	6,165	5,200	-965	-15.7%
71.6%	6,133	5,143	-990	-16.1%
72.8%	6,027	5,113	-914	-15.2%
74.1%	6,020	5,081	-939	-15.6%
75.3%	5,971	5,020	-951	-15.9%
76.5%	5,968	5,009	-959	-16.1%
77.8%	5,845	4,988	-858	-14.7%
79.0%	5,750	4,849	-901	-15.7%
80.2%	5,736	4,826	-910	-15.9%
81.5%	5,727	4,825	-902	-15.8%
82.7%	5,677	4,798	-880	-15.5%
84.0%	5,628	4,756	-872	-15.5%
85.2%	5,625	4,750	-875	-15.6%
86.4%	5,617	4,690	-927	-16.5%
87.7%	5,586	4,588	-998	-17.9%
88.9%	5,549	4,542	-1,007	-18.1%
90.1%	5,538	4,502	-1,036	-18.7%
91.4%	5,297	4,476	-821	-15.5%
92.6%	5,294	4,390	-904	-17.1%
93.8%	5,277	4,378	-899	-17.0%
95.1%	5,173	4,364	-809	-15.6%
96.3%	4,827	4,323	-504	-10.4%
97.5%	4,723	4,310	-413	-8.7%
98.8%	4,544	4,208	-336	-7.4%
100.0%	4,481	4,082	-399	-8.9%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,922	24,818	-104	-0.4%
1.2%	19,421	18,454	-967	-5.0%
2.5%	19,182	17,646	-1,536	-8.0%
3.7%	18,455	16,571	-1,884	-10.2%
4.9%	18,395	16,433	-1,962	-10.7%
6.2%	17,484	14,629	-2,855	-16.3%
7.4%	14,634	14,496	-138	-0.9%
8.6%	14,601	14,016	-585	-4.0%
9.9%	14,416	12,719	-1,697	-11.8%
11.1%	13,794	12,565	-1,229	-8.9%
12.3%	12,718	12,492	-226	-1.8%
13.6%	12,492	11,640	-853	-6.8%
14.8%	12,343	11,427	-915	-7.4%
16.0%	11,860	10,199	-1,661	-14.0%
17.3%	11,640	9,765	-1,876	-16.1%
18.5%	11,132	9,489	-1,642	-14.8%
19.8%	10,681	9,472	-1,209	-11.3%
21.0%	10,627	9,183	-1,444	-13.6%
22.2%	9,718	9,147	-571	-5.9%
23.5%	9,562	8,822	-740	-7.7%
24.7%	9,525	8,749	-775	-8.1%
25.9%	9,023	8,079	-943	-10.5%
27.2%	8,534	7,717	-817	-9.6%
28.4%	8,488	7,688	-800	-9.4%
29.6%	8,476	7,562	-914	-10.8%
30.9%	8,264	7,528	-736	-8.9%
32.1%	8,222	7,479	-743	-9.0%
33.3%	8,193	7,476	-718	-8.8%
34.6%	8,154	7,466	-688	-8.4%
35.8%	8,096	7,310	-786	-9.7%
37.0%	7,860	7,214	-646	-8.2%
38.3%	7,766	7,137	-630	-8.1%
39.5%	7,723	7,019	-704	-9.1%
40.7%	7,714	6,837	-877	-11.4%
42.0%	7,655	6,723	-931	-12.2%
43.2%	7,650	6,709	-940	-12.3%
44.4%	7,562	6,688	-874	-11.6%
45.7%	7,459	6,672	-786	-10.5%
46.9%	7,236	6,662	-574	-7.9%
48.1%	7,220	6,427	-793	-11.0%
49.4%	7,218	6,422	-796	-11.0%
50.6%	7,168	6,399	-769	-10.7%
51.9%	7,072	6,390	-682	-9.6%
53.1%	7,039	6,381	-658	-9.4%
54.3%	7,038	6,375	-663	-9.4%
55.6%	6,948	6,345	-604	-8.7%
56.8%	6,868	6,308	-560	-8.2%
58.0%	6,778	6,285	-493	-7.3%
59.3%	6,741	6,250	-491	-7.3%
60.5%	6,662	6,239	-424	-6.4%
61.7%	6,588	6,235	-354	-5.4%
63.0%	6,512	6,218	-295	-4.5%
64.2%	6,495	6,131	-364	-5.6%
65.4%	6,389	6,099	-290	-4.5%
66.7%	6,343	6,079	-264	-4.2%
67.9%	6,326	6,061	-265	-4.2%
69.1%	6,228	6,045	-183	-2.9%
70.4%	6,187	5,987	-199	-3.2%
71.6%	6,180	5,976	-204	-3.3%
72.8%	6,178	5,971	-207	-3.4%
74.1%	6,153	5,916	-237	-3.9%
75.3%	6,119	5,829	-291	-4.7%
76.5%	6,110	5,820	-290	-4.7%
77.8%	6,108	5,618	-490	-8.0%
79.0%	6,083	5,615	-468	-7.7%
80.2%	6,060	5,551	-508	-8.4%
81.5%	5,999	5,516	-483	-8.1%
82.7%	5,953	5,467	-485	-8.2%
84.0%	5,947	5,255	-692	-11.6%
85.2%	5,884	5,197	-686	-11.7%
86.4%	5,864	5,159	-705	-12.0%
87.7%	5,839	5,150	-688	-11.8%
88.9%	5,835	5,041	-794	-13.6%
90.1%	5,801	4,972	-829	-14.3%
91.4%	5,799	4,774	-1,025	-17.7%
92.6%	5,753	4,630	-1,123	-19.5%
93.8%	5,718	4,572	-1,146	-20.0%
95.1%	5,580	4,554	-1,026	-18.4%
96.3%	5,546	4,511	-1,035	-18.7%
97.5%	5,455	4,450	-1,004	-18.4%
98.8%	5,232	4,406	-826	-15.8%
100.0%	5,112	4,130	-982	-19.2%

Table SW-13-5b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,136	-103	-0.4%
1.2%	15,154	15,022	-132	-0.9%
2.5%	12,310	11,559	-750	-6.1%
3.7%	12,186	11,096	-1,091	-8.9%
4.9%	11,855	10,642	-1,212	-10.2%
6.2%	11,585	10,626	-959	-8.3%
7.4%	11,085	10,398	-687	-6.2%
8.6%	11,039	10,352	-687	-6.2%
9.9%	10,316	10,212	-104	-1.0%
11.1%	10,131	10,141	10	0.1%
12.3%	9,854	9,699	-155	-1.6%
13.6%	9,691	9,640	-51	-0.5%
14.8%	9,631	9,539	-93	-1.0%
16.0%	9,611	9,531	-80	-0.8%
17.3%	9,443	9,477	34	0.4%
18.5%	9,315	9,417	102	1.1%
19.8%	9,305	9,241	-64	-0.7%
21.0%	9,256	9,194	-62	-0.7%
22.2%	9,236	9,173	-63	-0.7%
23.5%	9,193	9,145	-48	-0.5%
24.7%	9,141	9,118	-23	-0.3%
25.9%	9,119	8,949	-170	-1.9%
27.2%	9,036	8,925	-111	-1.2%
28.4%	8,985	8,909	-76	-0.8%
29.6%	8,978	8,889	-90	-1.0%
30.9%	8,938	8,834	-104	-1.2%
32.1%	8,921	8,780	-141	-1.6%
33.3%	8,823	8,613	-210	-2.4%
34.6%	8,806	8,604	-202	-2.3%
35.8%	8,743	8,597	-146	-1.7%
37.0%	8,706	8,547	-158	-1.8%
38.3%	8,664	8,473	-191	-2.2%
39.5%	8,555	8,453	-102	-1.2%
40.7%	8,504	8,447	-57	-0.7%
42.0%	8,418	8,415	-3	0.0%
43.2%	8,378	8,329	-49	-0.6%
44.4%	8,375	8,322	-53	-0.6%
45.7%	8,329	8,321	-9	-0.1%
46.9%	8,232	8,271	39	0.5%
48.1%	8,201	8,247	46	0.6%
49.4%	8,192	8,244	51	0.6%
50.6%	8,167	8,227	60	0.7%
51.9%	8,162	8,197	35	0.4%
53.1%	8,129	8,192	63	0.8%
54.3%	8,090	8,084	-6	-0.1%
55.6%	8,087	8,079	-8	-0.1%
56.8%	8,067	8,079	12	0.1%
58.0%	8,067	8,077	10	0.1%
59.3%	8,040	8,058	18	0.2%
60.5%	8,031	8,051	20	0.3%
61.7%	8,027	7,852	-175	-2.2%
63.0%	8,004	7,818	-185	-2.3%
64.2%	7,923	7,797	-126	-1.6%
65.4%	7,864	7,707	-156	-2.0%
66.7%	7,848	7,673	-175	-2.2%
67.9%	7,840	7,672	-169	-2.2%
69.1%	7,829	7,634	-195	-2.5%
70.4%	7,759	7,607	-152	-2.0%
71.6%	7,740	7,590	-150	-1.9%
72.8%	7,670	7,562	-107	-1.4%
74.1%	7,581	7,545	-36	-0.5%
75.3%	7,421	7,536	115	1.6%
76.5%	7,395	7,535	140	1.9%
77.8%	7,329	7,533	204	2.8%
79.0%	7,304	7,517	213	2.9%
80.2%	7,265	7,514	250	3.4%
81.5%	7,261	7,460	199	2.7%
82.7%	7,235	7,231	-4	-0.1%
84.0%	7,223	7,192	-31	-0.4%
85.2%	7,186	7,142	-44	-0.6%
86.4%	7,185	7,109	-77	-1.1%
87.7%	7,118	7,107	-11	-0.2%
88.9%	7,090	7,087	-3	0.0%
90.1%	7,067	7,075	8	0.1%
91.4%	6,982	7,045	63	0.9%
92.6%	6,939	6,927	-11	-0.2%
93.8%	6,935	6,873	-63	-0.9%
95.1%	6,879	6,533	-346	-5.0%
96.3%	6,608	6,448	-160	-2.4%
97.5%	6,022	6,262	240	4.0%
98.8%	5,932	6,153	221	3.7%
100.0%	5,783	5,710	-73	-1.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,266	826	6.1%
1.2%	13,350	13,608	258	1.9%
2.5%	12,902	13,537	636	4.9%
3.7%	12,551	13,398	847	6.7%
4.9%	12,194	13,305	1,111	9.1%
6.2%	11,959	13,212	1,253	10.5%
7.4%	11,917	13,199	1,282	10.8%
8.6%	11,821	13,022	1,201	10.2%
9.9%	11,811	12,681	870	7.4%
11.1%	11,760	12,565	805	6.8%
12.3%	11,714	12,469	756	6.5%
13.6%	11,688	12,438	750	6.4%
14.8%	11,680	12,392	712	6.1%
16.0%	11,624	12,356	732	6.3%
17.3%	11,565	12,183	618	5.3%
18.5%	11,526	12,172	647	5.6%
19.8%	11,421	12,154	733	6.4%
21.0%	11,377	12,086	710	6.2%
22.2%	11,367	11,910	543	4.8%
23.5%	11,230	11,836	605	5.4%
24.7%	11,220	11,651	432	3.8%
25.9%	11,215	11,611	395	3.5%
27.2%	11,141	11,397	255	2.3%
28.4%	11,096	11,378	281	2.5%
29.6%	11,079	11,359	280	2.5%
30.9%	11,012	11,277	265	2.4%
32.1%	10,976	11,218	242	2.2%
33.3%	10,956	11,213	258	2.4%
34.6%	10,954	11,195	240	2.2%
35.8%	10,935	11,123	189	1.7%
37.0%	10,904	11,032	129	1.2%
38.3%	10,837	10,970	133	1.2%
39.5%	10,730	10,827	97	0.9%
40.7%	10,676	10,768	92	0.9%
42.0%	10,482	10,726	244	2.3%
43.2%	10,464	10,693	229	2.2%
44.4%	10,405	10,534	129	1.2%
45.7%	10,228	10,521	293	2.9%
46.9%	10,223	10,505	281	2.8%
48.1%	10,220	10,391	171	1.7%
49.4%	9,816	10,379	563	5.7%
50.6%	9,644	10,236	592	6.1%
51.9%	9,551	10,169	618	6.5%
53.1%	9,518	10,143	625	6.6%
54.3%	9,509	10,097	587	6.2%
55.6%	9,507	10,055	548	5.8%
56.8%	9,494	9,955	462	4.9%
58.0%	9,397	9,934	536	5.7%
59.3%	9,243	9,924	681	7.4%
60.5%	9,205	9,843	638	6.9%
61.7%	9,155	9,763	608	6.6%
63.0%	9,154	9,756	602	6.6%
64.2%	9,054	9,701	647	7.1%
65.4%	9,038	9,639	601	6.7%
66.7%	9,037	9,519	482	5.3%
67.9%	9,014	9,455	440	4.9%
69.1%	8,987	9,327	340	3.8%
70.4%	8,923	9,314	391	4.4%
71.6%	8,778	9,300	522	6.0%
72.8%	8,715	9,129	414	4.8%
74.1%	8,696	9,053	357	4.1%
75.3%	8,688	8,997	310	3.6%
76.5%	8,621	8,988	367	4.3%
77.8%	8,618	8,905	287	3.3%
79.0%	8,559	8,876	317	3.7%
80.2%	8,520	8,818	298	3.5%
81.5%	8,515	8,674	159	1.9%
82.7%	8,484	8,616	131	1.5%
84.0%	8,291	8,583	293	3.5%
85.2%	8,283	8,547	264	3.2%
86.4%	8,233	8,526	293	3.6%
87.7%	7,939	8,419	480	6.1%
88.9%	7,842	8,295	452	5.8%
90.1%	7,754	8,292	538	6.9%
91.4%	7,668	8,235	568	7.4%
92.6%	7,599	8,165	566	7.5%
93.8%	7,567	7,919	352	4.7%
95.1%	7,554	7,896	343	4.5%
96.3%	7,553	7,759	206	2.7%
97.5%	7,406	7,633	227	3.1%
98.8%	7,215	7,608	393	5.5%
100.0%	6,416	6,695	278	4.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	11,661	-64	-0.5%
1.2%	11,660	11,223	-437	-3.7%
2.5%	11,581	11,026	-555	-4.8%
3.7%	11,021	11,021	0	0.0%
4.9%	11,011	10,744	-267	-2.4%
6.2%	10,576	10,307	-269	-2.5%
7.4%	10,435	9,739	-696	-6.7%
8.6%	10,083	9,704	-379	-3.8%
9.9%	10,008	9,461	-547	-5.5%
11.1%	10,001	9,397	-605	-6.0%
12.3%	9,571	9,384	-187	-2.0%
13.6%	9,487	9,374	-113	-1.2%
14.8%	9,481	9,157	-323	-3.4%
16.0%	9,453	9,027	-427	-4.5%
17.3%	9,423	8,828	-594	-6.3%
18.5%	9,278	8,814	-464	-5.0%
19.8%	9,207	8,689	-518	-5.6%
21.0%	9,130	8,624	-506	-5.5%
22.2%	9,031	8,314	-717	-7.9%
23.5%	8,735	8,261	-474	-5.4%
24.7%	8,723	8,236	-488	-5.6%
25.9%	8,636	8,183	-453	-5.2%
27.2%	8,613	8,178	-434	-5.0%
28.4%	8,595	8,148	-447	-5.2%
29.6%	8,419	8,139	-280	-3.3%
30.9%	8,297	8,127	-169	-2.0%
32.1%	8,254	8,119	-135	-1.6%
33.3%	8,229	8,082	-147	-1.8%
34.6%	8,167	8,052	-114	-1.4%
35.8%	8,136	8,041	-95	-1.2%
37.0%	8,130	8,014	-116	-1.4%
38.3%	8,124	7,893	-232	-2.8%
39.5%	8,042	7,810	-231	-2.9%
40.7%	8,038	7,748	-290	-3.6%
42.0%	7,990	7,741	-249	-3.1%
43.2%	7,922	7,731	-190	-2.4%
44.4%	7,906	7,705	-201	-2.5%
45.7%	7,905	7,635	-270	-3.4%
46.9%	7,900	7,610	-290	-3.7%
48.1%	7,828	7,596	-233	-3.0%
49.4%	7,828	7,594	-234	-3.0%
50.6%	7,787	7,478	-309	-4.0%
51.9%	7,729	7,469	-260	-3.4%
53.1%	7,686	7,382	-305	-4.0%
54.3%	7,682	7,379	-303	-3.9%
55.6%	7,592	7,357	-235	-3.1%
56.8%	7,592	7,349	-242	-3.2%
58.0%	7,555	7,300	-255	-3.4%
59.3%	7,527	7,285	-242	-3.2%
60.5%	7,517	7,187	-330	-4.4%
61.7%	7,501	7,169	-331	-4.4%
63.0%	7,458	7,146	-312	-4.2%
64.2%	7,435	7,139	-295	-4.0%
65.4%	7,416	7,131	-285	-3.8%
66.7%	7,377	7,119	-258	-3.5%
67.9%	7,345	7,087	-258	-3.5%
69.1%	7,341	6,994	-347	-4.7%
70.4%	7,295	6,951	-344	-4.7%
71.6%	7,188	6,906	-282	-3.9%
72.8%	7,173	6,897	-276	-3.8%
74.1%	7,158	6,894	-264	-3.7%
75.3%	7,135	6,894	-240	-3.4%
76.5%	7,118	6,858	-260	-3.7%
77.8%	7,087	6,853	-234	-3.3%
79.0%	6,930	6,833	-96	-1.4%
80.2%	6,913	6,794	-119	-1.7%
81.5%	6,852	6,793	-58	-0.8%
82.7%	6,809	6,739	-70	-1.0%
84.0%	6,725	6,734	10	0.1%
85.2%	6,678	6,695	17	0.3%
86.4%	6,663	6,667	5	0.1%
87.7%	6,562	6,631	69	1.1%
88.9%	6,523	6,625	102	1.6%
90.1%	6,461	6,607	146	2.3%
91.4%	6,448	6,586	138	2.1%
92.6%	6,439	6,565	126	2.0%
93.8%	6,381	6,412	31	0.5%
95.1%	6,360	6,321	-39	-0.6%
96.3%	6,266	6,300	34	0.5%
97.5%	5,826	6,073	246	4.2%
98.8%	5,678	6,060	382	6.7%
100.0%	5,574	5,960	386	6.9%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,961	14,668	-1,293	-8.1%
1.2%	14,688	14,502	-186	-1.3%
2.5%	14,611	14,449	-163	-1.1%
3.7%	14,560	14,097	-463	-3.2%
4.9%	14,379	13,955	-424	-2.9%
6.2%	14,033	13,867	-166	-1.2%
7.4%	13,389	13,710	321	2.4%
8.6%	13,292	13,499	207	1.6%
9.9%	12,971	13,296	325	2.5%
11.1%	12,766	13,172	406	3.2%
12.3%	12,705	13,022	317	2.5%
13.6%	12,656	12,326	-330	-2.6%
14.8%	12,561	12,194	-367	-2.9%
16.0%	12,476	11,877	-599	-4.8%
17.3%	12,037	11,738	-299	-2.5%
18.5%	12,037	11,518	-519	-4.3%
19.8%	11,870	11,394	-476	-4.0%
21.0%	11,770	11,309	-460	-3.9%
22.2%	11,521	11,156	-365	-3.2%
23.5%	11,267	11,030	-237	-2.1%
24.7%	10,992	10,976	-16	-0.1%
25.9%	10,678	10,942	264	2.5%
27.2%	10,346	10,823	478	4.6%
28.4%	10,236	10,618	382	3.7%
29.6%	9,736	9,375	-361	-3.7%
30.9%	9,696	9,155	-540	-5.6%
32.1%	9,477	8,741	-736	-7.8%
33.3%	9,234	8,644	-590	-6.4%
34.6%	8,976	8,616	-360	-4.0%
35.8%	8,681	8,251	-430	-5.0%
37.0%	8,644	7,893	-751	-8.7%
38.3%	8,467	7,891	-575	-6.8%
39.5%	8,287	7,523	-765	-9.2%
40.7%	7,573	7,400	-173	-2.3%
42.0%	7,039	7,149	111	1.6%
43.2%	6,539	6,903	364	5.6%
44.4%	6,531	6,855	325	5.0%
45.7%	6,514	6,715	202	3.1%
46.9%	6,502	6,615	113	1.7%
48.1%	6,456	6,486	30	0.5%
49.4%	6,418	6,421	3	0.0%
50.6%	6,197	6,421	224	3.6%
51.9%	6,141	6,252	111	1.8%
53.1%	6,129	6,095	-35	-0.6%
54.3%	5,991	6,046	55	0.9%
55.6%	5,887	6,040	152	2.6%
56.8%	5,832	5,932	101	1.7%
58.0%	5,743	5,909	166	2.9%
59.3%	5,710	5,892	182	3.2%
60.5%	5,673	5,866	193	3.4%
61.7%	5,590	5,865	275	4.9%
63.0%	5,489	5,855	366	6.7%
64.2%	5,483	5,760	277	5.0%
65.4%	5,479	5,750	271	4.9%
66.7%	5,479	5,728	248	4.5%
67.9%	5,465	5,682	217	4.0%
69.1%	5,462	5,430	-32	-0.6%
70.4%	5,407	5,326	-81	-1.5%
71.6%	5,327	5,313	-14	-0.3%
72.8%	5,253	5,312	60	1.1%
74.1%	5,228	5,298	70	1.3%
75.3%	5,162	5,294	132	2.6%
76.5%	5,046	5,230	184	3.6%
77.8%	4,982	5,220	238	4.8%
79.0%	4,963	5,209	246	5.0%
80.2%	4,961	5,188	227	4.6%
81.5%	4,948	5,161	214	4.3%
82.7%	4,869	5,157	288	5.9%
84.0%	4,832	5,135	304	6.3%
85.2%	4,728	5,043	316	6.7%
86.4%	4,682	4,991	309	6.6%
87.7%	4,610	4,980	369	8.0%
88.9%	4,434	4,928	494	11.1%
90.1%	4,377	4,915	538	12.3%
91.4%	4,351	4,910	559	12.9%
92.6%	4,045	4,761	716	17.7%
93.8%	4,041	4,726	685	16.9%
95.1%	3,977	4,641	664	16.7%
96.3%	3,964	4,586	622	15.7%
97.5%	3,909	4,027	118	3.0%
98.8%	3,886	4,005	119	3.1%
100.0%	3,843	4,005	162	4.2%

Table SW-14-5a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,234	8,862	14,547	21,245	25,498	19,959	11,661	8,385	7,862	8,770	7,277	8,066
Alternative B	7,012	9,781	14,328	20,188	24,479	17,584	10,893	8,145	8,409	10,226	7,838	9,051
Difference	779	919	-219	-1,057	-1,018	-2,375	-767	-240	547	1,455	561	985
Percent Difference[3]	12.5%	10.4%	-1.5%	-5.0%	-4.0%	-11.9%	-6.6%	-2.9%	7.0%	16.6%	7.7%	12.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,414	11,413	15,337	38,456	42,977	33,038	19,238	12,191	8,789	8,608	7,521	12,512
Alternative B	8,756	12,476	14,989	37,183	41,764	30,622	17,928	11,609	9,383	9,813	7,560	13,596
Difference	1,342	1,064	-348	-1,273	-1,213	-2,416	-1,310	-582	594	1,205	39	1,084
Percent Difference	18.1%	9.3%	-2.3%	-3.3%	-2.8%	-7.3%	-6.8%	-4.8%	6.8%	14.0%	0.5%	8.7%
Above Normal (15%)												
No Action Alternative	6,212	11,019	14,836	24,491	32,399	23,921	11,972	8,904	7,864	9,087	7,132	8,159
Alternative B	6,960	12,269	14,427	22,202	30,596	20,280	10,799	8,152	7,990	11,114	7,675	8,959
Difference	748	1,250	-409	-2,289	-1,803	-3,640	-1,172	-752	126	2,027	543	799
Percent Difference	12.0%	11.3%	-2.8%	-9.3%	-5.6%	-15.2%	-9.8%	-8.4%	1.6%	22.3%	7.6%	9.8%
Below Normal (17%)												
No Action Alternative	5,761	8,082	16,579	12,964	17,158	12,172	8,782	6,787	7,244	8,240	6,717	5,287
Alternative B	6,697	9,035	16,586	11,700	16,347	9,286	8,091	6,557	7,453	10,008	7,176	6,094
Difference	936	953	7	-1,265	-810	-2,886	-690	-229	209	1,768	459	807
Percent Difference	16.2%	11.8%	0.0%	-9.8%	-4.7%	-23.7%	-7.9%	-3.4%	2.9%	21.5%	6.8%	15.3%
Dry (22%)												
No Action Alternative	5,620	6,869	16,082	9,443	13,412	12,190	6,698	5,860	7,336	9,060	7,454	5,603
Alternative B	5,822	7,828	16,248	9,144	12,612	9,960	6,352	6,206	7,931	10,647	8,558	6,666
Difference	203	959	166	-299	-800	-2,230	-346	346	595	1,586	1,104	1,063
Percent Difference	3.6%	14.0%	1.0%	-3.2%	-6.0%	-18.3%	-5.2%	5.9%	8.1%	17.5%	14.8%	19.0%
Critical (15%)												
No Action Alternative	5,171	5,078	7,875	8,072	8,584	8,396	5,736	5,274	7,363	8,990	7,279	5,274
Alternative B	5,442	5,256	7,284	7,819	8,203	7,758	5,827	5,393	8,548	9,854	8,295	6,323
Difference	271	177	-591	-253	-381	-638	91	119	1,185	864	1,015	1,049
Percent Difference	5.2%	3.5%	-7.5%	-3.1%	-4.4%	-7.6%	1.6%	2.3%	16.1%	9.6%	13.9%	19.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-14-5b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

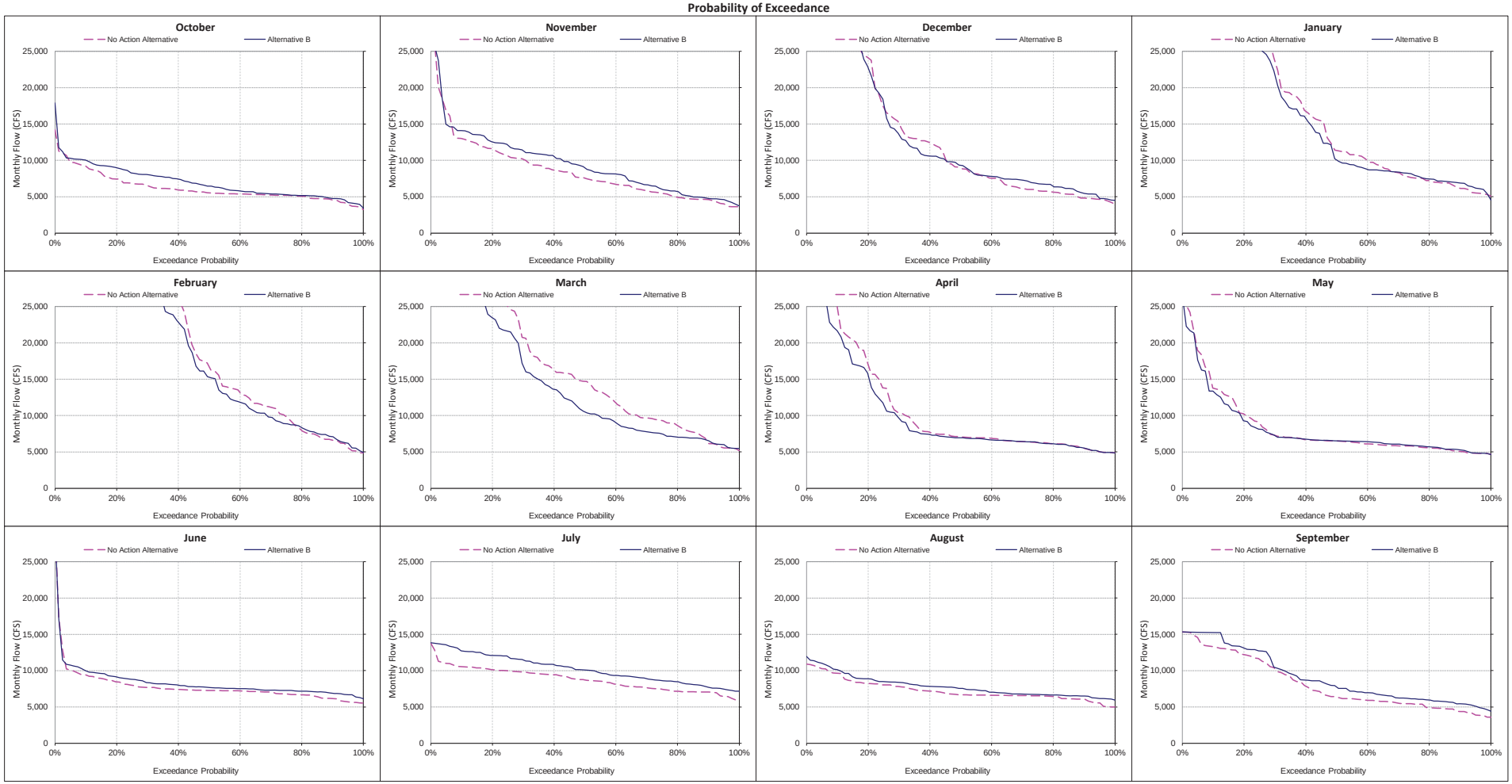

Table SW-14-5b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	17,907	3,706	26.1%
1.2%	11,267	11,760	493	4.4%
2.5%	11,029	11,203	174	1.6%
3.7%	10,674	10,335	-339	-3.2%
4.9%	9,728	10,295	566	5.8%
6.2%	9,703	10,177	474	4.9%
7.4%	9,515	10,167	652	6.9%
8.6%	9,336	10,108	772	8.3%
9.9%	9,236	10,048	812	8.8%
11.1%	8,839	9,821	981	11.1%
12.3%	8,677	9,532	855	9.9%
13.6%	8,614	9,343	729	8.5%
14.8%	8,331	9,297	967	11.6%
16.0%	7,832	9,268	1,436	18.3%
17.3%	7,676	9,180	1,504	19.6%
18.5%	7,475	9,095	1,620	21.7%
19.8%	7,420	9,038	1,618	21.8%
21.0%	7,420	8,849	1,429	19.3%
22.2%	6,924	8,730	1,806	26.1%
23.5%	6,913	8,620	1,708	24.7%
24.7%	6,873	8,274	1,401	20.4%
25.9%	6,783	8,213	1,430	21.1%
27.2%	6,740	8,085	1,345	19.9%
28.4%	6,721	8,061	1,340	19.9%
29.6%	6,589	8,051	1,462	22.2%
30.9%	6,382	8,007	1,625	25.5%
32.1%	6,216	7,885	1,668	26.8%
33.3%	6,178	7,824	1,646	26.6%
34.6%	6,154	7,778	1,624	26.4%
35.8%	6,144	7,674	1,530	24.9%
37.0%	6,118	7,671	1,553	25.4%
38.3%	6,106	7,501	1,395	22.8%
39.5%	5,972	7,478	1,506	25.2%
40.7%	5,908	7,379	1,471	24.9%
42.0%	5,885	7,163	1,278	21.7%
43.2%	5,810	7,050	1,240	21.3%
44.4%	5,805	6,867	1,062	18.3%
45.7%	5,687	6,859	1,172	20.6%
46.9%	5,648	6,704	1,056	18.7%
48.1%	5,646	6,605	959	17.0%
49.4%	5,541	6,455	914	16.5%
50.6%	5,525	6,441	916	16.6%
51.9%	5,494	6,313	819	14.9%
53.1%	5,474	6,298	824	15.1%
54.3%	5,458	6,194	736	13.5%
55.6%	5,407	6,011	605	11.2%
56.8%	5,404	5,911	508	9.4%
58.0%	5,395	5,858	464	8.6%
59.3%	5,374	5,813	439	8.2%
60.5%	5,373	5,755	382	7.1%
61.7%	5,360	5,694	334	6.2%
63.0%	5,336	5,680	344	6.4%
64.2%	5,322	5,673	350	6.6%
65.4%	5,314	5,496	182	3.4%
66.7%	5,291	5,482	191	3.6%
67.9%	5,273	5,440	167	3.2%
69.1%	5,237	5,403	166	3.2%
70.4%	5,236	5,380	144	2.7%
71.6%	5,211	5,374	163	3.1%
72.8%	5,204	5,336	132	2.5%
74.1%	5,202	5,306	105	2.0%
75.3%	5,185	5,277	91	1.8%
76.5%	5,160	5,218	58	1.1%
77.8%	5,109	5,211	102	2.0%
79.0%	5,084	5,168	84	1.6%
80.2%	5,055	5,159	104	2.0%
81.5%	5,042	5,158	115	2.3%
82.7%	4,795	5,148	353	7.4%
84.0%	4,755	5,131	376	7.9%
85.2%	4,731	5,067	335	7.1%
86.4%	4,713	5,013	300	6.4%
87.7%	4,708	4,917	209	4.4%
88.9%	4,676	4,830	153	3.3%
90.1%	4,552	4,748	196	4.3%
91.4%	4,517	4,737	220	4.9%
92.6%	4,210	4,708	498	11.8%
93.8%	4,186	4,577	391	9.3%
95.1%	3,897	4,190	292	7.5%
96.3%	3,710	4,134	424	11.4%
97.5%	3,673	4,048	375	10.2%
98.8%	3,581	3,936	355	9.9%
100.0%	3,225	3,435	209	6.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	38,343	-3,971	-9.4%
1.2%	26,322	25,836	-486	-1.8%
2.5%	20,070	23,751	3,681	18.3%
3.7%	18,483	18,586	102	0.6%
4.9%	16,842	14,984	-1,858	-11.0%
6.2%	16,132	14,640	-1,492	-9.3%
7.4%	13,510	14,580	1,070	7.9%
8.6%	13,069	14,112	1,042	8.0%
9.9%	13,002	14,104	1,101	8.5%
11.1%	12,862	14,076	1,214	9.4%
12.3%	12,655	13,893	1,239	9.8%
13.6%	12,525	13,563	1,038	8.3%
14.8%	12,349	13,543	1,194	9.7%
16.0%	11,895	13,506	1,610	13.5%
17.3%	11,871	13,355	1,484	12.5%
18.5%	11,664	12,794	1,130	9.7%
19.8%	11,635	12,567	932	8.0%
21.0%	11,341	12,430	1,089	9.6%
22.2%	11,075	12,394	1,319	11.9%
23.5%	10,860	12,359	1,499	13.8%
24.7%	10,692	12,230	1,538	14.4%
25.9%	10,383	11,755	1,372	13.2%
27.2%	10,333	11,579	1,246	12.1%
28.4%	10,259	11,536	1,278	12.5%
29.6%	10,215	11,432	1,217	11.9%
30.9%	9,988	11,054	1,066	10.7%
32.1%	9,537	11,048	1,511	15.8%
33.3%	9,365	10,945	1,580	16.9%
34.6%	9,357	10,897	1,540	16.5%
35.8%	9,291	10,843	1,552	16.7%
37.0%	8,911	10,774	1,863	20.9%
38.3%	8,889	10,688	1,800	20.2%
39.5%	8,703	10,664	1,961	22.5%
40.7%	8,640	10,273	1,633	18.9%
42.0%	8,509	10,226	1,717	20.2%
43.2%	8,409	9,846	1,438	17.1%
44.4%	8,407	9,846	1,439	17.1%
45.7%	8,350	9,540	1,190	14.2%
46.9%	7,709	9,458	1,749	22.7%
48.1%	7,647	9,335	1,688	22.1%
49.4%	7,641	9,153	1,512	19.8%
50.6%	7,477	8,751	1,274	17.0%
51.9%	7,344	8,627	1,283	17.5%
53.1%	7,187	8,363	1,177	16.4%
54.3%	7,144	8,349	1,205	16.9%
55.6%	7,085	8,213	1,128	15.9%
56.8%	7,046	8,185	1,139	16.2%
58.0%	6,876	8,184	1,309	19.0%
59.3%	6,758	8,142	1,384	20.5%
60.5%	6,682	8,113	1,431	21.4%
61.7%	6,625	8,026	1,402	21.2%
63.0%	6,571	7,851	1,280	19.5%
64.2%	6,558	7,199	641	9.8%
65.4%	6,232	7,160	929	14.9%
66.7%	6,075	6,981	906	14.9%
67.9%	6,004	6,858	854	14.2%
69.1%	5,907	6,655	748	12.7%
70.4%	5,791	6,645	854	14.7%
71.6%	5,656	6,505	849	15.0%
72.8%	5,607	6,470	863	15.4%
74.1%	5,564	6,187	623	11.2%
75.3%	5,444	5,953	509	9.3%
76.5%	5,376	5,885	509	9.5%
77.8%	5,162	5,806	645	12.5%
79.0%	5,030	5,796	766	15.2%
80.2%	4,870	5,701	831	17.1%
81.5%	4,858	5,261	403	8.3%
82.7%	4,725	5,166	441	9.3%
84.0%	4,697	5,111	415	8.8%
85.2%	4,667	4,966	299	6.4%
86.4%	4,655	4,945	289	6.2%
87.7%	4,642	4,940	298	6.4%
88.9%	4,629	4,840	210	4.5%
90.1%	4,616	4,733	116	2.5%
91.4%	4,461	4,711	249	5.6%
92.6%	4,308	4,710	402	9.3%
93.8%	4,082	4,628	546	13.4%
95.1%	4,003	4,619	615	15.4%
96.3%	3,674	4,393	719	19.6%
97.5%	3,640	4,222	582	16.0%
98.8%	3,631	3,964	334	9.2%
100.0%	3,623	3,724	101	2.8%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,825	63	0.1%
1.2%	52,867	50,981	-1,886	-3.6%
2.5%	43,545	42,709	-836	-1.9%
3.7%	43,093	40,894	-2,199	-5.1%
4.9%	41,211	40,446	-765	-1.9%
6.2%	39,983	37,483	-2,500	-6.3%
7.4%	39,150	34,811	-4,339	-11.1%
8.6%	36,633	32,198	-4,435	-12.1%
9.9%	31,832	31,855	24	0.1%
11.1%	30,640	30,607	-33	-0.1%
12.3%	30,000	28,521	-1,479	-4.9%
13.6%	29,163	28,456	-707	-2.4%
14.8%	28,219	27,862	-356	-1.3%
16.0%	27,201	26,995	-206	-0.8%
17.3%	25,261	25,851	590	2.3%
18.5%	24,488	23,898	-590	-2.4%
19.8%	24,185	22,946	-1,239	-5.1%
21.0%	23,752	21,570	-2,182	-9.2%
22.2%	19,912	19,910	-2	0.0%
23.5%	19,097	19,248	151	0.8%
24.7%	17,569	18,431	862	4.9%
25.9%	16,568	15,759	-809	-4.9%
27.2%	16,154	14,546	-1,608	-10.0%
28.4%	15,742	14,353	-1,388	-8.8%
29.6%	15,402	13,755	-1,646	-10.7%
30.9%	14,309	12,915	-1,394	-9.7%
32.1%	13,417	12,740	-677	-5.0%
33.3%	13,111	12,013	-1,098	-8.4%
34.6%	13,031	11,741	-1,289	-9.9%
35.8%	12,995	11,649	-1,346	-10.4%
37.0%	12,702	10,898	-1,804	-14.2%
38.3%	12,689	10,682	-2,007	-15.8%
39.5%	12,528	10,619	-1,909	-15.2%
40.7%	12,269	10,569	-1,701	-13.9%
42.0%	11,992	10,561	-1,431	-11.9%
43.2%	11,756	10,348	-1,408	-12.0%
44.4%	10,928	10,231	-696	-6.4%
45.7%	9,541	9,815	274	2.9%
46.9%	9,527	9,808	281	2.9%
48.1%	9,108	9,747	638	7.0%
49.4%	9,082	9,354	272	3.0%
50.6%	8,843	9,268	425	4.8%
51.9%	8,780	8,951	171	1.9%
53.1%	8,313	8,573	261	3.1%
54.3%	8,179	8,127	-52	-0.6%
55.6%	8,139	7,962	-177	-2.2%
56.8%	7,877	7,955	78	1.0%
58.0%	7,828	7,890	61	0.8%
59.3%	7,562	7,816	253	3.4%
60.5%	7,541	7,796	255	3.4%
61.7%	7,532	7,741	209	2.8%
63.0%	7,269	7,570	301	4.1%
64.2%	6,702	7,440	738	11.0%
65.4%	6,520	7,429	909	13.9%
66.7%	6,426	7,402	976	15.2%
67.9%	6,344	7,395	1,052	16.6%
69.1%	6,190	7,344	1,154	18.7%
70.4%	6,090	7,271	1,181	19.4%
71.6%	6,003	7,162	1,159	19.3%
72.8%	5,999	6,945	946	15.8%
74.1%	5,998	6,863	865	14.4%
75.3%	5,792	6,764	972	16.8%
76.5%	5,763	6,743	980	17.0%
77.8%	5,749	6,707	957	16.7%
79.0%	5,671	6,706	1,035	18.2%
80.2%	5,606	6,362	756	13.5%
81.5%	5,592	6,346	754	13.5%
82.7%	5,415	6,329	915	16.9%
84.0%	5,358	6,149	790	14.7%
85.2%	5,346	6,129	783	14.7%
86.4%	5,325	6,082	757	14.2%
87.7%	5,029	5,753	724	14.4%
88.9%	4,819	5,602	784	16.3%
90.1%	4,809	5,429	620	12.9%
91.4%	4,756	5,374	618	13.0%
92.6%	4,729	5,372	643	13.6%
93.8%	4,688	5,355	667	14.2%
95.1%	4,658	4,753	95	2.0%
96.3%	4,593	4,744	152	3.3%
97.5%	4,445	4,682	237	5.3%
98.8%	4,216	4,529	312	7.4%
100.0%	3,979	4,515	536	13.5%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,430	82,998	-432	-0.5%
1.2%	70,938	69,608	-1,330	-1.9%
2.5%	70,411	69,347	-1,064	-1.5%
3.7%	69,603	68,820	-783	-1.1%
4.9%	63,527	62,792	-735	-1.2%
6.2%	62,575	62,040	-535	-0.9%
7.4%	60,183	59,297	-886	-1.5%
8.6%	60,134	56,237	-3,897	-6.5%
9.9%	48,603	46,189	-2,414	-5.0%
11.1%	45,100	45,084	-16	0.0%
12.3%	43,109	42,674	-436	-1.0%
13.6%	42,619	38,392	-4,227	-9.9%
14.8%	40,661	38,124	-2,536	-6.2%
16.0%	40,179	37,833	-2,346	-5.8%
17.3%	39,837	35,128	-4,709	-11.8%
18.5%	37,539	33,783	-3,757	-10.0%
19.8%	36,084	32,062	-4,022	-11.1%
21.0%	33,867	32,060	-1,807	-5.3%
22.2%	31,276	28,966	-2,310	-7.4%
23.5%	30,694	27,104	-3,590	-11.7%
24.7%	30,000	26,105	-3,895	-13.0%
25.9%	28,235	25,023	-3,212	-11.4%
27.2%	27,623	24,557	-3,066	-11.1%
28.4%	26,100	23,692	-2,408	-9.2%
29.6%	24,068	22,338	-1,730	-7.2%
30.9%	22,358	20,304	-2,054	-9.2%
32.1%	19,677	18,726	-951	-4.8%
33.3%	19,417	18,086	-1,331	-6.9%
34.6%	19,319	17,286	-2,033	-10.5%
35.8%	18,929	17,061	-1,868	-9.9%
37.0%	18,728	17,059	-1,670	-8.9%
38.3%	18,165	16,144	-2,021	-11.1%
39.5%	16,886	16,101	-785	-4.7%
40.7%	16,491	15,315	-1,176	-7.1%
42.0%	16,023	14,707	-1,317	-8.2%
43.2%	15,661	13,851	-1,810	-11.6%
44.4%	15,479	13,725	-1,755	-11.3%
45.7%	15,365	12,366	-2,999	-19.5%
46.9%	13,120	12,355	-765	-5.8%
48.1%	12,357	12,150	-206	-1.7%
49.4%	11,407	10,243	-1,163	-10.2%
50.6%	11,292	9,878	-1,414	-12.5%
51.9%	11,208	9,649	-1,558	-13.9%
53.1%	11,188	9,592	-1,597	-14.3%
54.3%	10,779	9,419	-1,361	-12.6%
55.6%	10,769	9,382	-1,386	-12.9%
56.8%	10,680	9,137	-1,544	-14.5%
58.0%	10,561	9,050	-1,510	-14.3%
59.3%	10,220	8,860	-1,360	-13.3%
60.5%	9,749	8,691	-1,058	-10.9%
61.7%	9,737	8,691	-1,045	-10.7%
63.0%	9,429	8,678	-751	-8.0%
64.2%	9,267	8,639	-627	-6.8%
65.4%	8,915	8,562	-353	-4.0%
66.7%	8,780	8,553	-226	-2.6%
67.9%	8,394	8,464	70	0.8%
69.1%	8,373	8,422	49	0.6%
70.4%	8,287	8,389	102	1.2%
71.6%	7,916	8,269	353	4.5%
72.8%	7,765	8,236	471	6.1%
74.1%	7,636	8,178	543	7.1%
75.3%	7,565	7,934	369	4.9%
76.5%	7,551	7,793	242	3.2%
77.8%	7,536	7,577	41	0.5%
79.0%	7,224	7,487	264	3.6%
80.2%	7,222	7,419	198	2.7%
81.5%	7,018	7,396	378	5.4%
82.7%	6,982	7,171	189	2.7%
84.0%	6,924	7,153	229	3.3%
85.2%	6,924	7,115	191	2.8%
86.4%	6,873	7,063	190	2.8%
87.7%	6,604	7,000	396	6.0%
88.9%	6,322	6,963	641	10.1%
90.1%	6,134	6,867	733	11.9%
91.4%	6,129	6,854	724	11.8%
92.6%	6,018	6,498	480	8.0%
93.8%	5,595	6,392	797	14.2%
95.1%	5,503	6,169	666	12.1%
96.3%	5,473	6,126	653	11.9%
97.5%	5,398	6,002	604	11.2%
98.8%	5,306	5,421	115	2.2%
100.0%	5,083	4,543	-540	-10.6%

Table SW-14-5b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,357	-434	-0.5%
1.2%	91,357	91,178	-179	-0.2%
2.5%	79,870	81,786	1,916	2.4%
3.7%	72,402	72,396	-6	0.0%
4.9%	66,866	67,805	939	1.4%
6.2%	65,508	63,804	-1,704	-2.6%
7.4%	65,491	63,083	-2,407	-3.7%
8.6%	61,080	60,697	-383	-0.6%
9.9%	60,171	57,709	-2,462	-4.1%
11.1%	59,907	57,147	-2,760	-4.6%
12.3%	57,699	55,296	-2,403	-4.2%
13.6%	53,906	51,578	-2,328	-4.3%
14.8%	50,976	50,976	0	0.0%
16.0%	43,038	40,491	-2,548	-5.9%
17.3%	40,663	38,561	-2,103	-5.2%
18.5%	40,060	38,132	-1,928	-4.8%
19.8%	39,930	37,528	-2,402	-6.0%
21.0%	39,723	37,414	-2,310	-5.8%
22.2%	37,879	37,373	-507	-1.3%
23.5%	37,675	35,135	-2,540	-6.7%
24.7%	33,030	31,433	-1,597	-4.8%
25.9%	30,646	30,000	-646	-2.1%
27.2%	30,372	30,000	-372	-1.2%
28.4%	30,356	28,545	-1,811	-6.0%
29.6%	29,908	28,236	-1,672	-5.6%
30.9%	29,558	27,888	-1,671	-5.7%
32.1%	29,343	27,087	-2,256	-7.7%
33.3%	28,088	26,969	-1,119	-4.0%
34.6%	26,803	26,261	-542	-2.0%
35.8%	26,357	24,338	-2,018	-7.7%
37.0%	26,267	24,037	-2,230	-8.5%
38.3%	26,169	23,879	-2,289	-8.7%
39.5%	25,890	23,093	-2,797	-10.8%
40.7%	25,463	22,460	-3,002	-11.8%
42.0%	24,211	21,874	-2,337	-9.7%
43.2%	21,847	19,618	-2,228	-10.2%
44.4%	19,740	18,655	-1,085	-5.5%
45.7%	18,556	16,787	-1,769	-9.5%
46.9%	17,701	16,116	-1,585	-9.0%
48.1%	17,490	16,111	-1,380	-7.9%
49.4%	17,233	15,363	-1,869	-10.8%
50.6%	16,225	15,198	-1,027	-6.3%
51.9%	16,132	15,080	-1,052	-6.5%
53.1%	15,562	13,503	-2,059	-13.2%
54.3%	14,077	13,045	-1,032	-7.3%
55.6%	13,956	12,953	-1,003	-7.2%
56.8%	13,799	12,287	-1,512	-11.0%
58.0%	13,675	12,088	-1,587	-11.6%
59.3%	13,528	11,948	-1,580	-11.7%
60.5%	12,864	11,751	-1,114	-8.7%
61.7%	12,760	11,577	-1,182	-9.3%
63.0%	12,380	11,001	-1,379	-11.1%
64.2%	11,696	10,713	-983	-8.4%
65.4%	11,676	10,407	-1,269	-10.9%
66.7%	11,537	10,338	-1,200	-10.4%
67.9%	11,316	10,326	-989	-8.7%
69.1%	11,251	9,809	-1,442	-12.8%
70.4%	11,086	9,736	-1,350	-12.2%
71.6%	10,949	9,278	-1,672	-15.3%
72.8%	10,251	9,143	-1,108	-10.8%
74.1%	10,117	8,904	-1,214	-12.0%
75.3%	9,745	8,851	-894	-9.2%
76.5%	9,194	8,744	-450	-4.9%
77.8%	8,657	8,743	86	1.0%
79.0%	8,307	8,579	272	3.3%
80.2%	7,832	8,262	431	5.5%
81.5%	7,598	8,025	428	5.6%
82.7%	7,509	7,821	312	4.2%
84.0%	7,465	7,735	269	3.6%
85.2%	7,226	7,497	271	3.8%
86.4%	6,873	7,416	543	7.9%
87.7%	6,723	7,394	671	10.0%
88.9%	6,717	7,161	444	6.6%
90.1%	6,595	7,096	501	7.6%
91.4%	6,576	6,695	119	1.8%
92.6%	6,213	6,421	208	3.3%
93.8%	6,172	6,267	94	1.5%
95.1%	5,535	6,169	634	11.5%
96.3%	5,155	5,540	386	7.5%
97.5%	5,134	5,521	387	7.5%
98.8%	4,871	5,167	296	6.1%
100.0%	4,864	4,927	63	1.3%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,957	78,611	-2,346	-2.9%
2.5%	72,387	69,791	-2,596	-3.6%
3.7%	62,138	60,788	-1,350	-2.2%
4.9%	51,292	51,251	-41	-0.1%
6.2%	51,258	46,614	-4,644	-9.1%
7.4%	50,574	45,812	-4,761	-9.4%
8.6%	43,894	39,950	-3,944	-9.0%
9.9%	42,181	38,284	-3,897	-9.2%
11.1%	39,592	35,681	-3,911	-9.9%
12.3%	39,103	35,200	-3,903	-10.0%
13.6%	32,695	29,209	-3,487	-10.7%
14.8%	30,218	28,020	-2,198	-7.3%
16.0%	29,208	26,807	-2,401	-8.2%
17.3%	28,908	25,702	-3,206	-11.1%
18.5%	27,569	23,953	-3,616	-13.1%
19.8%	27,422	23,527	-3,895	-14.2%
21.0%	26,585	23,164	-3,421	-12.9%
22.2%	26,250	22,011	-4,239	-16.2%
23.5%	25,410	21,771	-3,638	-14.3%
24.7%	25,167	21,650	-3,517	-14.0%
25.9%	24,560	21,512	-3,048	-12.4%
27.2%	24,357	20,674	-3,682	-15.1%
28.4%	23,242	19,974	-3,268	-14.1%
29.6%	20,767	17,221	-3,546	-17.1%
30.9%	20,610	16,035	-4,575	-22.2%
32.1%	18,879	15,837	-3,041	-16.1%
33.3%	18,185	15,355	-2,830	-15.6%
34.6%	18,000	15,032	-2,968	-16.5%
35.8%	17,293	14,789	-2,504	-14.5%
37.0%	17,002	14,286	-2,716	-16.0%
38.3%	16,845	14,045	-2,801	-16.6%
39.5%	16,480	13,639	-2,841	-17.2%
40.7%	15,949	13,529	-2,420	-15.2%
42.0%	15,942	13,073	-2,870	-18.0%
43.2%	15,829	12,441	-3,388	-21.4%
44.4%	15,792	12,213	-3,580	-22.7%
45.7%	15,676	12,018	-3,659	-23.3%
46.9%	15,028	11,487	-3,542	-23.6%
48.1%	14,827	10,969	-3,858	-26.0%
49.4%	14,736	10,618	-4,118	-27.9%
50.6%	14,697	10,382	-4,315	-29.4%
51.9%	14,225	10,234	-3,991	-28.1%
53.1%	13,539	10,216	-3,322	-24.5%
54.3%	13,306	10,014	-3,293	-24.7%
55.6%	13,186	9,635	-3,551	-26.9%
56.8%	12,882	9,603	-3,278	-25.4%
58.0%	12,486	9,530	-2,956	-23.7%
59.3%	12,021	9,262	-2,759	-22.9%
60.5%	11,529	8,862	-2,667	-23.1%
61.7%	11,248	8,507	-2,741	-24.4%
63.0%	10,627	8,423	-2,204	-20.7%
64.2%	10,233	8,258	-1,975	-19.3%
65.4%	10,117	8,250	-1,867	-18.5%
66.7%	10,077	8,006	-2,071	-20.6%
67.9%	9,728	7,916	-1,812	-18.6%
69.1%	9,680	7,807	-1,873	-19.4%
70.4%	9,662	7,750	-1,912	-19.8%
71.6%	9,583	7,633	-1,950	-20.4%
72.8%	9,450	7,628	-1,823	-19.3%
74.1%	9,392	7,578	-1,815	-19.3%
75.3%	9,292	7,444	-1,848	-19.9%
76.5%	8,992	7,166	-1,826	-20.3%
77.8%	8,975	7,142	-1,833	-20.4%
79.0%	8,895	7,074	-1,820	-20.5%
80.2%	8,558	7,021	-1,537	-18.0%
81.5%	8,240	7,009	-1,231	-14.9%
82.7%	8,003	6,991	-1,012	-12.7%
84.0%	7,821	6,915	-906	-11.6%
85.2%	7,714	6,910	-804	-10.4%
86.4%	7,622	6,896	-725	-9.5%
87.7%	7,216	6,858	-358	-5.0%
88.9%	6,909	6,712	-197	-2.9%
90.1%	6,138	6,524	386	6.3%
91.4%	6,123	6,227	103	1.7%
92.6%	6,017	6,073	56	0.9%
93.8%	5,675	6,053	378	6.7%
95.1%	5,547	6,006	459	8.3%
96.3%	5,544	5,635	92	1.7%
97.5%	5,473	5,518	45	0.8%
98.8%	5,470	5,475	4	0.1%
100.0%	5,171	5,471	300	5.8%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	46,370	-3,580	-7.2%
1.2%	44,653	41,060	-3,592	-8.0%
2.5%	43,453	39,977	-3,476	-8.0%
3.7%	34,687	34,708	22	0.1%
4.9%	32,373	32,365	-8	0.0%
6.2%	26,009	26,005	-4	0.0%
7.4%	25,498	22,814	-2,684	-10.5%
8.6%	25,192	22,176	-3,016	-12.0%
9.9%	25,158	21,669	-3,490	-13.9%
11.1%	21,898	20,829	-1,069	-4.9%
12.3%	21,270	19,358	-1,912	-9.0%
13.6%	20,828	19,062	-1,766	-8.5%
14.8%	20,451	17,115	-3,335	-16.3%
16.0%	20,089	16,963	-3,127	-15.6%
17.3%	19,031	16,820	-2,211	-11.6%
18.5%	18,972	16,600	-2,373	-12.5%
19.8%	17,324	15,856	-1,468	-8.5%
21.0%	15,704	13,867	-1,837	-11.7%
22.2%	15,660	12,959	-2,702	-17.3%
23.5%	14,992	12,358	-2,634	-17.6%
24.7%	13,832	11,771	-2,061	-14.9%
25.9%	13,763	10,626	-3,137	-22.8%
27.2%	11,907	10,476	-1,431	-12.0%
28.4%	10,820	10,412	-408	-3.8%
29.6%	10,446	9,778	-669	-6.4%
30.9%	10,344	9,168	-1,175	-11.4%
32.1%	10,004	9,035	-969	-9.7%
33.3%	9,793	7,937	-1,856	-19.0%
34.6%	9,100	7,825	-1,275	-14.0%
35.8%	8,547	7,738	-810	-9.5%
37.0%	7,910	7,490	-420	-5.3%
38.3%	7,803	7,475	-328	-4.2%
39.5%	7,764	7,441	-323	-4.2%
40.7%	7,583	7,304	-278	-3.7%
42.0%	7,475	7,299	-176	-2.4%
43.2%	7,447	7,153	-294	-4.0%
44.4%	7,447	7,108	-339	-4.5%
45.7%	7,419	7,051	-369	-5.0%
46.9%	7,187	7,010	-177	-2.5%
48.1%	7,126	6,962	-164	-2.3%
49.4%	7,105	6,956	-148	-2.1%
50.6%	7,031	6,936	-95	-1.3%
51.9%	7,024	6,892	-132	-1.9%
53.1%	6,986	6,851	-136	-1.9%
54.3%	6,976	6,841	-135	-1.9%
55.6%	6,958	6,830	-128	-1.8%
56.8%	6,947	6,803	-144	-2.1%
58.0%	6,929	6,742	-187	-2.7%
59.3%	6,892	6,666	-226	-3.3%
60.5%	6,832	6,634	-198	-2.9%
61.7%	6,812	6,608	-204	-3.0%
63.0%	6,641	6,599	-42	-0.6%
64.2%	6,541	6,592	52	0.8%
65.4%	6,507	6,556	49	0.8%
66.7%	6,489	6,514	25	0.4%
67.9%	6,441	6,451	10	0.2%
69.1%	6,419	6,441	22	0.3%
70.4%	6,410	6,433	23	0.4%
71.6%	6,407	6,398	-8	-0.1%
72.8%	6,361	6,375	14	0.2%
74.1%	6,297	6,374	77	1.2%
75.3%	6,288	6,247	-41	-0.7%
76.5%	6,282	6,170	-112	-1.8%
77.8%	6,246	6,148	-98	-1.6%
79.0%	6,144	6,145	1	0.0%
80.2%	6,129	6,096	-33	-0.5%
81.5%	6,108	6,050	-59	-1.0%
82.7%	6,097	6,045	-52	-0.9%
84.0%	6,030	6,025	-5	-0.1%
85.2%	5,881	5,846	-35	-0.6%
86.4%	5,841	5,812	-29	-0.5%
87.7%	5,805	5,630	-175	-3.0%
88.9%	5,599	5,625	26	0.5%
90.1%	5,477	5,528	51	0.9%
91.4%	5,336	5,365	29	0.5%
92.6%	5,195	5,191	-4	-0.1%
93.8%	5,189	5,186	-4	-0.1%
95.1%	4,973	5,035	62	1.3%
96.3%	4,947	4,925	-22	-0.4%
97.5%	4,928	4,923	-5	-0.1%
98.8%	4,905	4,922	17	0.3%
100.0%	4,864	4,857	-7	-0.1%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,548	26,428	-120	-0.5%
1.2%	25,224	22,277	-2,948	-11.7%
2.5%	24,224	21,660	-2,563	-10.6%
3.7%	21,662	21,376	-285	-1.3%
4.9%	18,981	17,618	-1,363	-7.2%
6.2%	18,383	16,274	-2,109	-11.5%
7.4%	16,707	16,131	-576	-3.4%
8.6%	16,084	13,379	-2,705	-16.8%
9.9%	13,796	13,354	-443	-3.2%
11.1%	13,654	12,891	-763	-5.6%
12.3%	13,491	12,546	-945	-7.0%
13.6%	12,922	11,610	-1,311	-10.1%
14.8%	12,707	11,451	-1,257	-9.9%
16.0%	12,558	10,702	-1,856	-14.8%
17.3%	11,551	10,566	-985	-8.5%
18.5%	10,366	10,347	-19	-0.2%
19.8%	10,249	9,269	-979	-9.6%
21.0%	9,926	9,167	-760	-7.7%
22.2%	9,624	8,582	-1,042	-10.8%
23.5%	9,240	8,393	-847	-9.2%
24.7%	9,129	8,131	-998	-10.9%
25.9%	8,442	8,098	-344	-4.1%
27.2%	8,090	7,727	-362	-4.5%
28.4%	7,426	7,532	106	1.4%
29.6%	7,321	7,322	2	0.0%
30.9%	7,161	7,026	-135	-1.9%
32.1%	7,160	7,000	-160	-2.2%
33.3%	7,007	6,995	-12	-0.2%
34.6%	6,999	6,973	-25	-0.4%
35.8%	6,975	6,925	-50	-0.7%
37.0%	6,934	6,864	-70	-1.0%
38.3%	6,823	6,857	34	0.5%
39.5%	6,714	6,761	47	0.7%
40.7%	6,650	6,703	53	0.8%
42.0%	6,634	6,656	22	0.3%
43.2%	6,599	6,634	35	0.5%
44.4%	6,583	6,607	24	0.4%
45.7%	6,580	6,582	3	0.0%
46.9%	6,531	6,580	50	0.8%
48.1%	6,514	6,560	47	0.7%
49.4%	6,513	6,532	19	0.3%
50.6%	6,483	6,528	45	0.7%
51.9%	6,459	6,502	43	0.7%
53.1%	6,426	6,498	72	1.1%
54.3%	6,393	6,487	94	1.5%
55.6%	6,316	6,481	165	2.6%
56.8%	6,267	6,419	152	2.4%
58.0%	6,186	6,418	232	3.8%
59.3%	6,103	6,418	315	5.2%
60.5%	6,095	6,383	289	4.7%
61.7%	6,067	6,377	310	5.1%
63.0%	6,045	6,325	280	4.6%
64.2%	5,975	6,298	323	5.4%
65.4%	5,925	6,150	224	3.8%
66.7%	5,905	6,093	188	3.2%
67.9%	5,873	6,068	195	3.3%
69.1%	5,859	6,067	208	3.5%
70.4%	5,840	6,063	223	3.8%
71.6%	5,828	5,971	143	2.5%
72.8%	5,826	5,948	121	2.1%
74.1%	5,821	5,892	72	1.2%
75.3%	5,773	5,852	78	1.4%
76.5%	5,675	5,828	153	2.7%
77.8%	5,628	5,808	180	3.2%
79.0%	5,567	5,742	175	3.1%
80.2%	5,532	5,676	144	2.6%
81.5%	5,523	5,661	139	2.5%
82.7%	5,503	5,616	113	2.0%
84.0%	5,405	5,526	121	2.2%
85.2%	5,340	5,383	43	0.8%
86.4%	5,335	5,364	30	0.6%
87.7%	5,165	5,361	196	3.8%
88.9%	5,135	5,339	204	4.0%
90.1%	5,043	5,259	216	4.3%
91.4%	5,021	5,185	164	3.3%
92.6%	4,847	5,026	180	3.7%
93.8%	4,842	4,862	21	0.4%
95.1%	4,825	4,839	14	0.3%
96.3%	4,818	4,835	16	0.3%
97.5%	4,810	4,823	13	0.3%
98.8%	4,774	4,780	6	0.1%
100.0%	4,659	4,650	-9	-0.2%

Table SW-14-5b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,686	-113	-0.4%
1.2%	17,315	17,183	-132	-0.8%
2.5%	12,805	11,468	-1,337	-10.4%
3.7%	10,241	10,874	634	6.2%
4.9%	10,063	10,777	713	7.1%
6.2%	9,905	10,619	714	7.2%
7.4%	9,664	10,508	844	8.7%
8.6%	9,431	10,289	858	9.1%
9.9%	9,425	9,993	568	6.0%
11.1%	9,217	9,773	556	6.0%
12.3%	9,200	9,745	545	5.9%
13.6%	8,993	9,676	683	7.6%
14.8%	8,959	9,631	672	7.5%
16.0%	8,832	9,588	756	8.6%
17.3%	8,663	9,297	634	7.3%
18.5%	8,636	9,226	590	6.8%
19.8%	8,470	9,143	673	7.9%
21.0%	8,405	9,010	605	7.2%
22.2%	8,140	8,960	820	10.1%
23.5%	8,090	8,871	781	9.7%
24.7%	8,007	8,826	819	10.2%
25.9%	7,918	8,770	852	10.8%
27.2%	7,740	8,654	914	11.8%
28.4%	7,718	8,616	898	11.6%
29.6%	7,697	8,367	669	8.7%
30.9%	7,691	8,333	642	8.3%
32.1%	7,674	8,202	528	6.9%
33.3%	7,568	8,187	620	8.2%
34.6%	7,525	8,187	662	8.8%
35.8%	7,471	8,176	705	9.4%
37.0%	7,465	8,108	643	8.6%
38.3%	7,447	8,082	635	8.5%
39.5%	7,412	8,043	631	8.5%
40.7%	7,402	7,935	533	7.2%
42.0%	7,355	7,925	570	7.7%
43.2%	7,342	7,806	464	6.3%
44.4%	7,327	7,791	464	6.3%
45.7%	7,313	7,765	453	6.2%
46.9%	7,299	7,753	454	6.2%
48.1%	7,293	7,751	458	6.3%
49.4%	7,265	7,676	412	5.7%
50.6%	7,262	7,643	381	5.2%
51.9%	7,253	7,617	364	5.0%
53.1%	7,248	7,611	363	5.0%
54.3%	7,238	7,597	359	5.0%
55.6%	7,223	7,566	343	4.7%
56.8%	7,222	7,565	343	4.8%
58.0%	7,221	7,559	337	4.7%
59.3%	7,220	7,531	312	4.3%
60.5%	7,212	7,528	316	4.4%
61.7%	7,179	7,515	336	4.7%
63.0%	7,141	7,491	350	4.9%
64.2%	7,137	7,480	343	4.8%
65.4%	7,128	7,405	277	3.9%
66.7%	7,079	7,341	262	3.7%
67.9%	7,060	7,320	259	3.7%
69.1%	7,047	7,307	260	3.7%
70.4%	7,042	7,306	265	3.8%
71.6%	6,830	7,293	464	6.8%
72.8%	6,826	7,289	463	6.8%
74.1%	6,812	7,286	474	7.0%
75.3%	6,781	7,282	501	7.4%
76.5%	6,707	7,271	564	8.4%
77.8%	6,706	7,193	488	7.3%
79.0%	6,657	7,180	523	7.8%
80.2%	6,655	7,178	522	7.8%
81.5%	6,631	7,152	521	7.9%
82.7%	6,626	7,145	520	7.8%
84.0%	6,508	7,107	598	9.2%
85.2%	6,389	7,069	680	10.6%
86.4%	6,212	7,049	837	13.5%
87.7%	6,189	7,038	849	13.7%
88.9%	6,176	6,964	788	12.8%
90.1%	6,145	6,848	703	11.4%
91.4%	6,113	6,846	733	12.0%
92.6%	5,844	6,820	976	16.7%
93.8%	5,768	6,710	942	16.3%
95.1%	5,695	6,667	972	17.1%
96.3%	5,623	6,667	1,044	18.6%
97.5%	5,619	6,377	758	13.5%
98.8%	5,561	6,302	741	13.3%
100.0%	5,527	6,132	605	10.9%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	13,827	49	0.4%
1.2%	12,871	13,759	888	6.9%
2.5%	11,286	13,687	2,401	21.3%
3.7%	11,129	13,627	2,498	22.4%
4.9%	11,010	13,562	2,552	23.2%
6.2%	10,979	13,353	2,374	21.6%
7.4%	10,750	13,233	2,483	23.1%
8.6%	10,588	13,116	2,528	23.9%
9.9%	10,553	12,730	2,178	20.6%
11.1%	10,498	12,646	2,148	20.5%
12.3%	10,482	12,630	2,148	20.5%
13.6%	10,474	12,601	2,128	20.3%
14.8%	10,384	12,531	2,147	20.7%
16.0%	10,372	12,507	2,135	20.6%
17.3%	10,313	12,267	1,954	19.0%
18.5%	10,231	12,118	1,888	18.5%
19.8%	10,116	12,110	1,994	19.7%
21.0%	10,106	12,093	1,988	19.7%
22.2%	10,030	12,072	2,041	20.4%
23.5%	10,018	12,034	2,016	20.1%
24.7%	9,999	12,027	2,027	20.3%
25.9%	9,935	11,659	1,724	17.4%
27.2%	9,868	11,645	1,777	18.0%
28.4%	9,865	11,557	1,692	17.2%
29.6%	9,812	11,533	1,720	17.5%
30.9%	9,777	11,317	1,540	15.8%
32.1%	9,667	11,293	1,627	16.8%
33.3%	9,633	11,062	1,429	14.8%
34.6%	9,590	11,062	1,472	15.3%
35.8%	9,548	10,897	1,349	14.1%
37.0%	9,516	10,884	1,368	14.4%
38.3%	9,450	10,873	1,422	15.0%
39.5%	9,430	10,865	1,435	15.2%
40.7%	9,424	10,686	1,262	13.4%
42.0%	9,291	10,664	1,373	14.8%
43.2%	9,268	10,546	1,278	13.8%
44.4%	9,105	10,521	1,416	15.6%
45.7%	8,908	10,421	1,513	17.0%
46.9%	8,826	10,151	1,324	15.0%
48.1%	8,766	10,129	1,364	15.6%
49.4%	8,754	10,119	1,365	15.6%
50.6%	8,660	10,079	1,420	16.4%
51.9%	8,611	10,026	1,415	16.4%
53.1%	8,594	9,956	1,362	15.8%
54.3%	8,573	9,764	1,191	13.9%
55.6%	8,525	9,604	1,079	12.7%
56.8%	8,366	9,591	1,225	14.6%
58.0%	8,347	9,414	1,067	12.8%
59.3%	8,174	9,329	1,156	14.1%
60.5%	8,057	9,323	1,266	15.7%
61.7%	7,994	9,272	1,278	16.0%
63.0%	7,854	9,260	1,406	17.9%
64.2%	7,815	9,215	1,399	17.9%
65.4%	7,810	9,161	1,351	17.3%
66.7%	7,746	9,084	1,337	17.3%
67.9%	7,739	9,010	1,271	16.4%
69.1%	7,704	8,997	1,294	16.8%
70.4%	7,613	8,828	1,216	16.0%
71.6%	7,551	8,793	1,241	16.4%
72.8%	7,501	8,710	1,209	16.1%
74.1%	7,497	8,662	1,166	15.6%
75.3%	7,398	8,604	1,207	16.3%
76.5%	7,324	8,573	1,249	17.1%
77.8%	7,262	8,558	1,296	17.8%
79.0%	7,173	8,505	1,332	18.6%
80.2%	7,158	8,448	1,290	18.0%
81.5%	7,105	8,293	1,188	16.7%
82.7%	7,091	8,167	1,076	15.2%
84.0%	7,079	8,160	1,080	15.3%
85.2%	7,076	8,068	992	14.0%
86.4%	7,073	8,046	974	13.8%
87.7%	7,072	7,980	908	12.8%
88.9%	7,064	7,829	765	10.8%
90.1%	7,061	7,693	632	9.0%
91.4%	7,034	7,590	556	7.9%
92.6%	6,938	7,583	645	9.3%
93.8%	6,527	7,557	1,030	15.8%
95.1%	6,444	7,438	994	15.4%
96.3%	6,415	7,343	929	14.5%
97.5%	6,197	7,259	1,062	17.1%
98.8%	5,970	7,174	1,204	20.2%
100.0%	5,586	7,161	1,576	28.2%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	11,948	1,047	9.6%
1.2%	10,816	11,433	618	5.7%
2.5%	10,694	11,349	655	6.1%
3.7%	10,492	11,136	644	6.1%
4.9%	10,258	11,007	749	7.3%
6.2%	10,227	10,785	558	5.5%
7.4%	9,817	10,540	723	7.4%
8.6%	9,668	10,206	538	5.6%
9.9%	9,650	10,121	471	4.9%
11.1%	9,614	9,928	314	3.3%
12.3%	8,833	9,615	782	8.9%
13.6%	8,656	9,605	949	11.0%
14.8%	8,582	9,170	587	6.8%
16.0%	8,395	8,935	540	6.4%
17.3%	8,383	8,917	534	6.4%
18.5%	8,274	8,887	613	7.4%
19.8%	8,245	8,875	630	7.6%
21.0%	8,193	8,847	654	8.0%
22.2%	8,170	8,643	473	5.8%
23.5%	8,158	8,505	347	4.3%
24.7%	8,041	8,496	455	5.7%
25.9%	8,026	8,445	418	5.2%
27.2%	8,017	8,424	407	5.1%
28.4%	7,834	8,411	577	7.4%
29.6%	7,823	8,398	575	7.3%
30.9%	7,764	8,363	599	7.7%
32.1%	7,721	8,285	564	7.3%
33.3%	7,555	8,131	576	7.6%
34.6%	7,438	8,079	641	8.6%
35.8%	7,301	8,051	750	10.3%
37.0%	7,268	7,902	633	8.7%
38.3%	7,241	7,852	611	8.4%
39.5%	7,183	7,823	640	8.9%
40.7%	7,150	7,823	672	9.4%
42.0%	7,118	7,808	691	9.7%
43.2%	7,060	7,774	714	10.1%
44.4%	6,966	7,750	784	11.3%
45.7%	6,808	7,731	924	13.6%
46.9%	6,794	7,711	917	13.5%
48.1%	6,748	7,643	895	13.3%
49.4%	6,679	7,552	873	13.1%
50.6%	6,670	7,538	868	13.0%
51.9%	6,658	7,419	761	11.4%
53.1%	6,636	7,392	756	11.4%
54.3%	6,626	7,364	738	11.1%
55.6%	6,624	7,324	699	10.6%
56.8%	6,621	7,241	620	9.4%
58.0%	6,619	7,226	607	9.2%
59.3%	6,618	7,045	428	6.5%
60.5%	6,609	7,044	435	6.6%
61.7%	6,608	6,963	355	5.4%
63.0%	6,601	6,954	352	5.3%
64.2%	6,592	6,940	348	5.3%
65.4%	6,579	6,846	267	4.1%
66.7%	6,578	6,793	214	3.3%
67.9%	6,572	6,792	220	3.3%
69.1%	6,562	6,772	210	3.2%
70.4%	6,557	6,739	182	2.8%
71.6%	6,553	6,737	185	2.8%
72.8%	6,524	6,734	210	3.2%
74.1%	6,516	6,722	206	3.2%
75.3%	6,515	6,709	194	3.0%
76.5%	6,507	6,690	183	2.8%
77.8%	6,501	6,690	189	2.9%
79.0%	6,465	6,652	187	2.9%
80.2%	6,431	6,645	214	3.3%
81.5%	6,408	6,642	235	3.7%
82.7%	6,150	6,595	445	7.2%
84.0%	6,141	6,554	413	6.7%
85.2%	6,110	6,539	430	7.0%
86.4%	6,099	6,538	439	7.2%
87.7%	6,087	6,529	442	7.3%
88.9%	6,070	6,520	450	7.4%
90.1%	6,061	6,496	435	7.2%
91.4%	5,798	6,462	664	11.5%
92.6%	5,647	6,266	619	11.0%
93.8%	5,559	6,240	681	12.3%
95.1%	5,546	6,155	609	11.0%
96.3%	5,076	6,142	1,066	21.0%
97.5%	5,056	6,124	1,068	21.1%
98.8%	5,010	6,083	1,073	21.4%
100.0%	4,993	5,960	967	19.4%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,306	15,343	37	0.2%
1.2%	15,296	15,315	18	0.1%
2.5%	15,267	15,299	32	0.2%
3.7%	14,876	15,291	414	2.8%
4.9%	14,575	15,277	701	4.8%
6.2%	13,634	15,271	1,637	12.0%
7.4%	13,455	15,264	1,810	13.4%
8.6%	13,364	15,256	1,891	14.2%
9.9%	13,318	15,255	1,938	14.5%
11.1%	13,189	15,242	2,053	15.6%
12.3%	13,055	15,228	2,173	16.6%
13.6%	13,044	13,813	768	5.9%
14.8%	12,970	13,712	742	5.7%
16.0%	12,869	13,409	539	4.2%
17.3%	12,805	13,382	577	4.5%
18.5%	12,308	13,357	1,049	8.5%
19.8%	12,231	13,144	913	7.5%
21.0%	12,129	12,926	797	6.6%
22.2%	11,977	12,891	914	7.6%
23.5%	11,725	12,886	1,161	9.9%
24.7%	11,660	12,714	1,054	9.0%
25.9%	11,268	12,672	1,404	12.5%
27.2%	11,059	12,608	1,549	14.0%
28.4%	10,547	11,835	1,288	12.2%
29.6%	10,424	10,503	78	0.8%
30.9%	9,854	10,301	447	4.5%
32.1%	9,716	10,137	421	4.3%
33.3%	9,414	9,919	504	5.4%
34.6%	9,318	9,644	326	3.5%
35.8%	8,734	9,486	752	8.6%
37.0%	8,501	9,264	762	9.0%
38.3%	8,474	8,731	256	3.0%
39.5%	7,961	8,713	751	9.4%
40.7%	7,684	8,680	996	13.0%
42.0%	7,316	8,618	1,302	17.8%
43.2%	7,215	8,611	1,396	19.3%
44.4%	7,126	8,591	1,465	20.6%
45.7%	6,694	8,339	1,645	24.6%
46.9%	6,583	8,130	1,547	23.5%
48.1%	6,430	7,980	1,550	24.1%
49.4%	6,413	7,934	1,521	23.7%
50.6%	6,280	7,556	1,276	20.3%
51.9%	6,143	7,548	1,404	22.9%
53.1%	6,130	7,540	1,410	23.0%
54.3%	6,130	7,168	1,037	16.9%
55.6%	6,117	7,154	1,037	17.0%
56.8%	6,029	7,063	1,034	17.2%
58.0%	6,000	7,053	1,053	17.5%
59.3%	5,923	6,965	1,043	17.6%
60.5%	5,917	6,952	1,036	17.5%
61.7%	5,916	6,925	1,009	17.1%
63.0%	5,826	6,762	937	16.1%
64.2%	5,777	6,664	886	15.3%
65.4%	5,747	6,600	853	14.8%
66.7%	5,721	6,525	804	14.1%
67.9%	5,689	6,497	808	14.2%
69.1%	5,584	6,259	675	12.1%
70.4%	5,479	6,236	758	13.8%
71.6%	5,459	6,231	772	14.1%
72.8%	5,450	6,181	730	13.4%
74.1%	5,435	6,127	692	12.7%
75.3%	5,391	6,104	714	13.2%
76.5%	5,373	6,059	685	12.8%
77.8%	5,370	6,052	682	12.7%
79.0%	4,913	5,964	1,051	21.4%
80.2%	4,898	5,937	1,038	21.2%
81.5%	4,851	5,808	957	19.7%
82.7%	4,831	5,803	972	20.1%
84.0%	4,826	5,772	946	19.6%
85.2%	4,755	5,743	988	20.8%
86.4%	4,723	5,667	944	20.0%
87.7%	4,704	5,645	941	20.0%
88.9%	4,395	5,439	1,044	23.7%
90.1%	4,372	5,434	1,061	24.3%
91.4%	4,351	5,431	1,080	24.8%
92.6%	4,204	5,360	1,156	27.5%
93.8%	4,152	5,200	1,047	25.2%
95.1%	3,867	5,090	1,223	31.6%
96.3%	3,837	4,901	1,064	27.7%
97.5%	3,829	4,796	967	25.3%
98.8%	3,611	4,604	993	27.5%
100.0%	3,589	4,396	807	22.5%

Table SW-15-5a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,013	8,450	11,320	13,710	15,316	14,122	8,709	6,840	5,733	6,695	5,725	7,749
Alternative B	6,785	9,384	11,345	13,343	14,913	12,590	8,292	6,667	6,278	8,130	6,249	8,744
Difference	772	934	25	-366	-404	-1,533	-418	-173	545	1,435	525	995
Percent Difference[3]	12.8%	11.1%	0.2%	-2.7%	-2.6%	-10.9%	-4.8%	-2.5%	9.5%	21.4%	9.2%	12.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,090	11,141	11,589	19,105	19,831	18,268	13,423	10,357	6,434	6,606	6,034	12,210
Alternative B	8,422	12,192	11,718	18,872	19,520	17,349	12,902	9,907	7,037	7,787	6,042	13,315
Difference	1,332	1,051	129	-233	-311	-919	-521	-450	603	1,181	8	1,105
Percent Difference	18.8%	9.4%	1.1%	-1.2%	-1.6%	-5.0%	-3.9%	-4.3%	9.4%	17.9%	0.1%	9.0%
Above Normal (15%)												
No Action Alternative	5,985	9,241	12,327	16,513	19,069	17,632	10,200	7,244	5,842	7,021	5,583	7,854
Alternative B	6,732	10,799	12,270	16,001	18,265	15,770	9,307	6,681	5,972	9,031	6,067	8,663
Difference	747	1,559	-57	-512	-804	-1,862	-892	-563	131	2,010	484	809
Percent Difference	12.5%	16.9%	-0.5%	-3.1%	-4.2%	-10.6%	-8.7%	-7.8%	2.2%	28.6%	8.7%	10.3%
Below Normal (17%)												
No Action Alternative	5,610	7,976	12,629	12,400	14,370	12,001	7,022	5,430	5,242	6,137	5,154	4,980
Alternative B	6,538	8,920	12,876	11,369	13,972	9,135	6,597	5,187	5,440	7,892	5,562	5,797
Difference	928	943	248	-1,031	-399	-2,866	-425	-243	199	1,755	407	817
Percent Difference	16.5%	11.8%	2.0%	-8.3%	-2.8%	-23.9%	-6.1%	-4.5%	3.8%	28.6%	7.9%	16.4%
Dry (22%)												
No Action Alternative	5,461	6,719	11,566	8,850	11,606	11,396	5,268	4,532	5,285	6,932	5,848	5,281
Alternative B	5,659	7,550	11,722	8,820	11,274	9,625	4,971	4,879	5,863	8,503	6,913	6,336
Difference	198	831	156	-30	-331	-1,771	-297	346	578	1,571	1,065	1,056
Percent Difference	3.6%	12.4%	1.3%	-0.3%	-2.9%	-15.5%	-5.6%	7.6%	10.9%	22.7%	18.2%	20.0%
Critical (15%)												
No Action Alternative	5,008	4,978	7,834	8,034	8,451	8,196	4,136	3,921	5,351	6,860	5,676	4,908
Alternative B	5,270	5,178	7,258	7,794	8,133	7,574	4,245	4,041	6,540	7,693	6,687	5,969
Difference	262	200	-576	-239	-318	-621	109	120	1,189	833	1,011	1,061
Percent Difference	5.2%	4.0%	-7.4%	-3.0%	-3.8%	-7.6%	2.6%	3.1%	22.2%	12.1%	17.8%	21.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

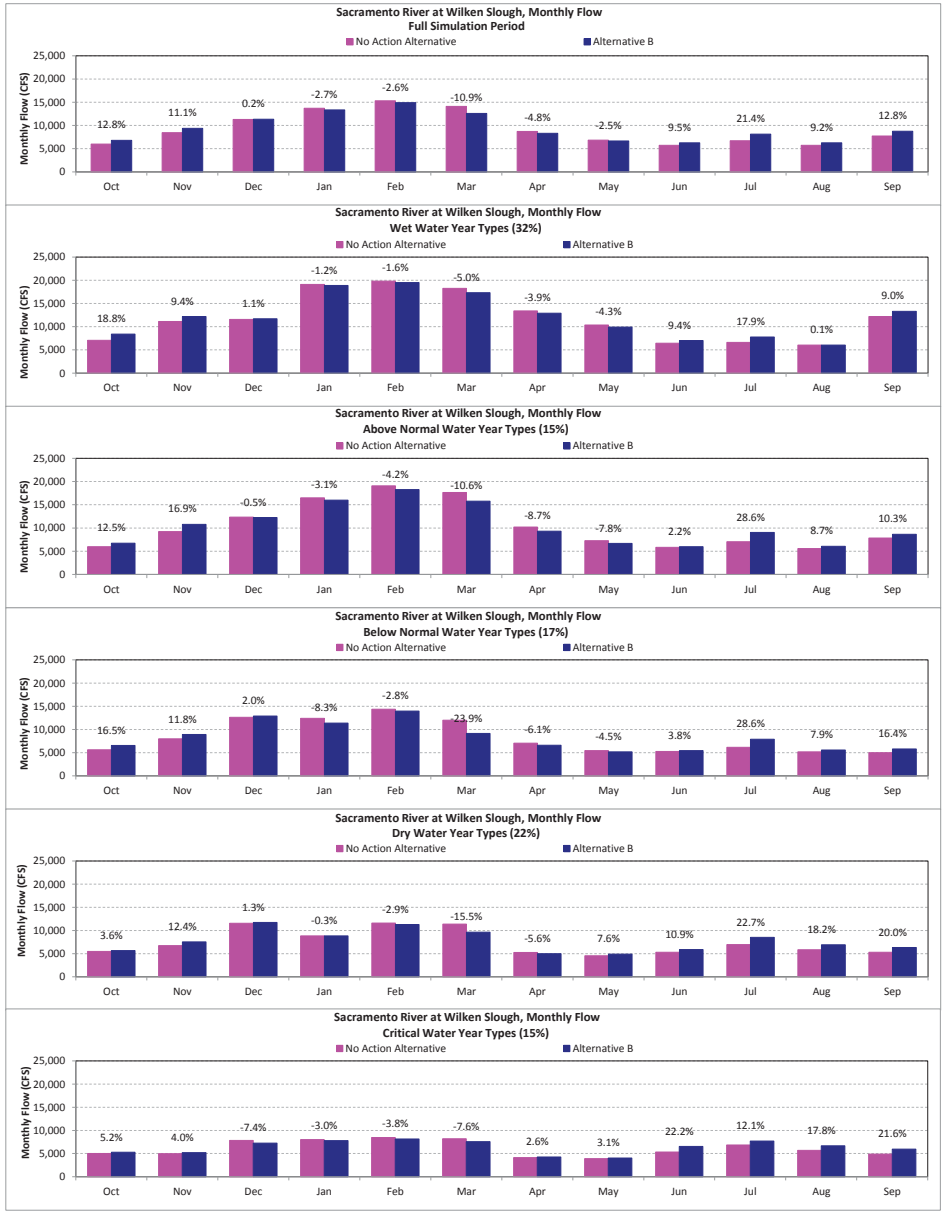

Figure SW-15-5b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

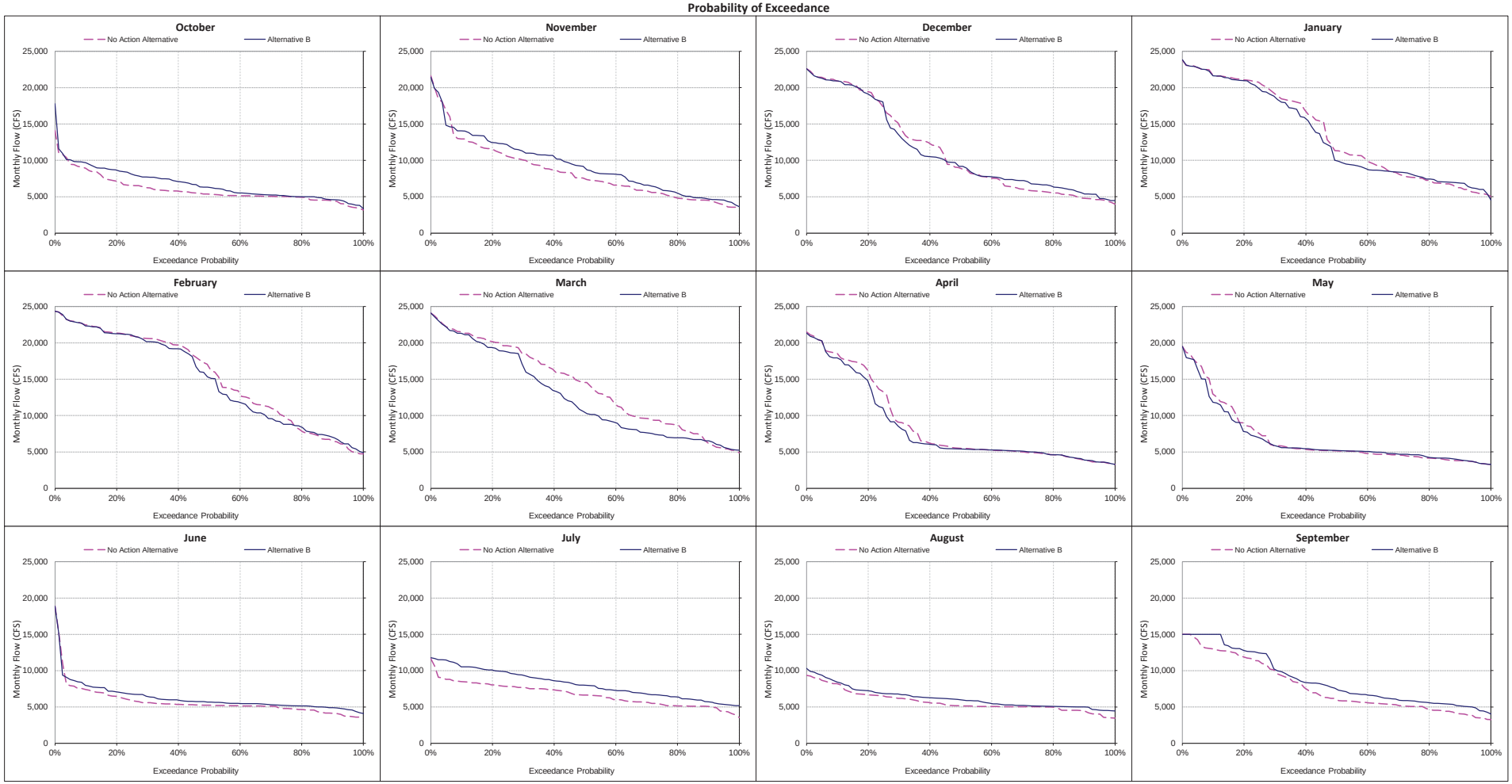

Table SW-15-5b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	17,792	3,692	26.2%
1.2%	10,966	11,589	623	5.7%
2.5%	10,836	10,958	123	1.1%
3.7%	10,399	10,115	-285	-2.7%
4.9%	9,459	10,078	619	6.5%
6.2%	9,414	9,837	423	4.5%
7.4%	9,165	9,810	644	7.0%
8.6%	9,079	9,784	705	7.8%
9.9%	8,942	9,690	748	8.4%
11.1%	8,595	9,458	863	10.0%
12.3%	8,419	9,223	804	9.5%
13.6%	8,396	8,957	561	6.7%
14.8%	8,018	8,929	910	11.4%
16.0%	7,482	8,922	1,439	19.2%
17.3%	7,363	8,806	1,442	19.6%
18.5%	7,269	8,744	1,475	20.3%
19.8%	7,139	8,681	1,541	21.6%
21.0%	7,136	8,524	1,388	19.4%
22.2%	6,653	8,431	1,778	26.7%
23.5%	6,593	8,360	1,767	26.8%
24.7%	6,567	8,119	1,553	23.6%
25.9%	6,538	7,975	1,437	22.0%
27.2%	6,532	7,870	1,338	20.5%
28.4%	6,369	7,718	1,349	21.2%
29.6%	6,229	7,702	1,473	23.6%
30.9%	6,227	7,691	1,464	23.5%
32.1%	6,017	7,688	1,671	27.8%
33.3%	5,920	7,562	1,643	27.7%
34.6%	5,886	7,481	1,595	27.1%
35.8%	5,869	7,481	1,612	27.5%
37.0%	5,809	7,449	1,640	28.2%
38.3%	5,806	7,219	1,412	24.3%
39.5%	5,792	7,106	1,314	22.7%
40.7%	5,733	7,064	1,331	23.2%
42.0%	5,697	6,994	1,297	22.8%
43.2%	5,636	6,866	1,230	21.8%
44.4%	5,548	6,709	1,161	20.9%
45.7%	5,526	6,660	1,134	20.5%
46.9%	5,462	6,347	885	16.2%
48.1%	5,385	6,310	925	17.2%
49.4%	5,384	6,301	917	17.0%
50.6%	5,334	6,253	919	17.2%
51.9%	5,287	6,153	866	16.4%
53.1%	5,257	6,103	846	16.1%
54.3%	5,194	6,038	844	16.3%
55.6%	5,163	5,847	684	13.3%
56.8%	5,158	5,805	646	12.5%
58.0%	5,154	5,585	430	8.3%
59.3%	5,152	5,508	357	6.9%
60.5%	5,130	5,504	374	7.3%
61.7%	5,115	5,487	372	7.3%
63.0%	5,113	5,456	343	6.7%
64.2%	5,107	5,386	279	5.5%
65.4%	5,103	5,337	234	4.6%
66.7%	5,097	5,299	203	4.0%
67.9%	5,058	5,282	224	4.4%
69.1%	5,050	5,257	207	4.1%
70.4%	5,045	5,247	202	4.0%
71.6%	5,037	5,231	194	3.9%
72.8%	5,025	5,157	132	2.6%
74.1%	5,022	5,152	129	2.6%
75.3%	5,012	5,113	101	2.0%
76.5%	5,005	5,025	20	0.4%
77.8%	4,966	5,012	46	0.9%
79.0%	4,957	5,000	43	0.9%
80.2%	4,937	5,000	63	1.3%
81.5%	4,927	5,000	73	1.5%
82.7%	4,570	5,000	430	9.4%
84.0%	4,544	5,000	456	10.0%
85.2%	4,533	4,902	369	8.1%
86.4%	4,523	4,861	338	7.5%
87.7%	4,520	4,690	170	3.8%
88.9%	4,507	4,615	107	2.4%
90.1%	4,395	4,610	215	4.9%
91.4%	4,364	4,573	210	4.8%
92.6%	4,064	4,520	456	11.2%
93.8%	4,026	4,366	339	8.4%
95.1%	3,701	4,040	339	9.2%
96.3%	3,544	3,963	420	11.8%
97.5%	3,504	3,851	347	9.9%
98.8%	3,378	3,805	427	12.6%
100.0%	3,169	3,352	183	5.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,449	-200	-0.9%
1.2%	20,042	19,911	-130	-0.7%
2.5%	18,479	19,386	908	4.9%
3.7%	18,060	18,064	4	0.0%
4.9%	16,907	14,850	-2,057	-12.2%
6.2%	16,004	14,641	-1,363	-8.5%
7.4%	13,533	14,548	1,015	7.5%
8.6%	13,032	14,074	1,042	8.0%
9.9%	12,953	14,072	1,119	8.6%
11.1%	12,933	14,038	1,105	8.5%
12.3%	12,559	13,824	1,265	10.1%
13.6%	12,496	13,434	938	7.5%
14.8%	12,256	13,426	1,170	9.5%
16.0%	11,882	13,396	1,514	12.7%
17.3%	11,675	13,368	1,693	14.5%
18.5%	11,635	12,695	1,060	9.1%
19.8%	11,627	12,473	846	7.3%
21.0%	11,290	12,417	1,127	10.0%
22.2%	11,086	12,326	1,240	11.2%
23.5%	10,908	12,288	1,380	12.6%
24.7%	10,558	12,168	1,611	15.3%
25.9%	10,447	11,815	1,368	13.1%
27.2%	10,284	11,549	1,265	12.3%
28.4%	10,226	11,481	1,255	12.3%
29.6%	10,088	11,317	1,229	12.2%
30.9%	9,970	10,988	1,018	10.2%
32.1%	9,622	10,980	1,358	14.1%
33.3%	9,429	10,957	1,528	16.2%
34.6%	9,356	10,785	1,429	15.3%
35.8%	9,281	10,754	1,473	15.9%
37.0%	8,876	10,745	1,868	21.0%
38.3%	8,823	10,695	1,873	21.2%
39.5%	8,680	10,695	2,015	23.2%
40.7%	8,618	10,181	1,563	18.1%
42.0%	8,367	10,166	1,799	21.5%
43.2%	8,350	9,846	1,496	17.9%
44.4%	8,338	9,721	1,383	16.6%
45.7%	8,284	9,486	1,202	14.5%
46.9%	7,616	9,337	1,721	22.6%
48.1%	7,616	9,234	1,618	21.2%
49.4%	7,558	9,191	1,634	21.6%
50.6%	7,369	8,708	1,339	18.2%
51.9%	7,242	8,576	1,334	18.4%
53.1%	7,212	8,331	1,119	15.5%
54.3%	7,154	8,207	1,053	14.7%
55.6%	7,074	8,176	1,102	15.6%
56.8%	6,920	8,175	1,254	18.1%
58.0%	6,835	8,136	1,301	19.0%
59.3%	6,601	8,108	1,507	22.8%
60.5%	6,584	8,055	1,471	22.3%
61.7%	6,511	8,028	1,517	23.3%
63.0%	6,458	7,706	1,248	19.3%
64.2%	6,447	7,145	697	10.8%
65.4%	6,133	7,137	1,004	16.4%
66.7%	5,911	6,919	1,008	17.0%
67.9%	5,890	6,794	904	15.3%
69.1%	5,877	6,609	731	12.4%
70.4%	5,743	6,606	863	15.0%
71.6%	5,587	6,454	866	15.5%
72.8%	5,581	6,368	786	14.1%
74.1%	5,512	6,140	628	11.4%
75.3%	5,399	5,877	478	8.9%
76.5%	5,188	5,826	639	12.3%
77.8%	5,102	5,748	645	12.6%
79.0%	4,906	5,662	756	15.4%
80.2%	4,788	5,432	644	13.4%
81.5%	4,734	5,210	475	10.0%
82.7%	4,665	5,076	411	8.8%
84.0%	4,619	5,070	452	9.8%
85.2%	4,586	4,873	286	6.2%
86.4%	4,575	4,869	293	6.4%
87.7%	4,551	4,841	290	6.4%
88.9%	4,529	4,779	250	5.5%
90.1%	4,511	4,691	180	4.0%
91.4%	4,364	4,619	255	5.8%
92.6%	4,173	4,610	437	10.5%
93.8%	4,014	4,586	572	14.3%
95.1%	3,915	4,531	616	15.7%
96.3%	3,588	4,323	734	20.5%
97.5%	3,570	4,208	638	17.9%
98.8%	3,552	3,888	337	9.5%
100.0%	3,537	3,626	88	2.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,630	13	0.1%
1.2%	22,254	22,136	-119	-0.5%
2.5%	21,692	21,637	-56	-0.3%
3.7%	21,468	21,431	-38	-0.2%
4.9%	21,444	21,291	-153	-0.7%
6.2%	21,229	21,089	-140	-0.7%
7.4%	21,200	21,053	-148	-0.7%
8.6%	21,154	20,959	-196	-0.9%
9.9%	20,890	20,939	49	0.2%
11.1%	20,878	20,854	-24	-0.1%
12.3%	20,818	20,433	-385	-1.9%
13.6%	20,743	20,404	-339	-1.6%
14.8%	20,406	20,353	-54	-0.3%
16.0%	20,305	20,120	-185	-0.9%
17.3%	19,691	19,881	190	1.0%
18.5%	19,602	19,371	-231	-1.2%
19.8%	19,458	19,145	-313	-1.6%
21.0%	19,330	18,846	-484	-2.5%
22.2%	18,426	18,409	-17	-0.1%
23.5%	18,156	18,216	60	0.3%
24.7%	17,466	18,034	568	3.3%
25.9%	16,533	15,599	-934	-5.6%
27.2%	16,196	14,452	-1,744	-10.8%
28.4%	15,551	14,258	-1,293	-8.3%
29.6%	15,193	13,628	-1,565	-10.3%
30.9%	14,165	13,022	-1,143	-8.1%
32.1%	13,413	12,532	-881	-6.6%
33.3%	12,995	12,060	-934	-7.2%
34.6%	12,850	11,767	-1,083	-8.4%
35.8%	12,755	11,520	-1,235	-9.7%
37.0%	12,736	10,771	-1,965	-15.4%
38.3%	12,660	10,588	-2,072	-16.4%
39.5%	12,449	10,520	-1,929	-15.5%
40.7%	12,123	10,511	-1,612	-13.3%
42.0%	12,021	10,454	-1,567	-13.0%
43.2%	11,784	10,281	-1,503	-12.8%
44.4%	10,893	10,124	-769	-7.1%
45.7%	9,459	9,774	316	3.3%
46.9%	9,420	9,739	319	3.4%
48.1%	9,056	9,705	649	7.2%
49.4%	9,004	9,191	186	2.1%
50.6%	8,792	9,176	384	4.4%
51.9%	8,762	8,932	170	1.9%
53.1%	8,247	8,437	190	2.3%
54.3%	8,131	8,163	33	0.4%
55.6%	8,107	7,912	-194	-2.4%
56.8%	7,777	7,805	29	0.4%
58.0%	7,741	7,795	54	0.7%
59.3%	7,552	7,776	224	3.0%
60.5%	7,522	7,715	193	2.6%
61.7%	7,487	7,687	200	2.7%
63.0%	7,226	7,583	357	4.9%
64.2%	6,494	7,374	881	13.6%
65.4%	6,413	7,355	943	14.7%
66.7%	6,363	7,348	985	15.5%
67.9%	6,239	7,255	1,017	16.3%
69.1%	6,070	7,242	1,172	19.3%
70.4%	6,023	7,226	1,203	20.0%
71.6%	5,894	7,079	1,185	20.1%
72.8%	5,826	6,786	960	16.5%
74.1%	5,803	6,723	919	15.8%
75.3%	5,746	6,709	963	16.8%
76.5%	5,738	6,649	910	15.9%
77.8%	5,663	6,617	954	16.8%
79.0%	5,567	6,545	978	17.6%
80.2%	5,523	6,318	795	14.4%
81.5%	5,512	6,297	785	14.2%
82.7%	5,346	6,220	874	16.4%
84.0%	5,311	6,122	811	15.3%
85.2%	5,269	5,997	728	13.8%
86.4%	5,206	5,926	720	13.8%
87.7%	5,003	5,723	720	14.4%
88.9%	4,821	5,570	748	15.5%
90.1%	4,796	5,366	571	11.9%
91.4%	4,749	5,359	609	12.8%
92.6%	4,697	5,346	649	13.8%
93.8%	4,616	5,346	730	15.8%
95.1%	4,593	4,754	160	3.5%
96.3%	4,539	4,743	204	4.5%
97.5%	4,388	4,591	203	4.6%
98.8%	4,221	4,484	262	6.2%
100.0%	3,981	4,481	500	12.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,795	23,821	26	0.1%
1.2%	23,070	23,089	18	0.1%
2.5%	23,019	22,980	-39	-0.2%
3.7%	22,987	22,944	-43	-0.2%
4.9%	22,751	22,777	27	0.1%
6.2%	22,593	22,556	-37	-0.2%
7.4%	22,507	22,506	-2	0.0%
8.6%	22,479	22,267	-211	-0.9%
9.9%	21,738	21,657	-81	-0.4%
11.1%	21,620	21,619	-1	0.0%
12.3%	21,608	21,608	0	0.0%
13.6%	21,536	21,392	-144	-0.7%
14.8%	21,427	21,346	-81	-0.4%
16.0%	21,345	21,124	-221	-1.0%
17.3%	21,234	21,081	-154	-0.7%
18.5%	21,172	20,998	-173	-0.8%
19.8%	21,072	20,981	-91	-0.4%
21.0%	21,054	20,934	-120	-0.6%
22.2%	20,989	20,546	-443	-2.1%
23.5%	20,834	20,362	-472	-2.3%
24.7%	20,754	19,930	-823	-4.0%
25.9%	20,384	19,484	-900	-4.4%
27.2%	20,117	19,415	-701	-3.5%
28.4%	19,677	19,109	-568	-2.9%
29.6%	19,262	18,853	-409	-2.1%
30.9%	18,844	18,355	-489	-2.6%
32.1%	18,464	18,007	-457	-2.5%
33.3%	18,346	17,943	-403	-2.2%
34.6%	18,219	17,248	-970	-5.3%
35.8%	18,164	17,157	-1,007	-5.5%
37.0%	18,003	17,040	-962	-5.3%
38.3%	17,856	16,004	-1,851	-10.4%
39.5%	16,980	15,930	-1,050	-6.2%
40.7%	16,316	15,445	-871	-5.3%
42.0%	16,138	14,602	-1,536	-9.5%
43.2%	15,553	13,856	-1,697	-10.9%
44.4%	15,429	13,681	-1,747	-11.3%
45.7%	15,396	12,463	-2,933	-19.1%
46.9%	12,859	12,198	-661	-5.1%
48.1%	12,197	11,913	-284	-2.3%
49.4%	11,335	10,022	-1,313	-11.6%
50.6%	11,313	9,885	-1,428	-12.6%
51.9%	11,211	9,677	-1,534	-13.7%
53.1%	11,002	9,502	-1,500	-13.6%
54.3%	10,761	9,438	-1,323	-12.3%
55.6%	10,745	9,343	-1,402	-13.0%
56.8%	10,687	9,234	-1,453	-13.6%
58.0%	10,628	9,095	-1,533	-14.4%
59.3%	10,212	8,891	-1,322	-12.9%
60.5%	9,771	8,684	-1,088	-11.1%
61.7%	9,569	8,663	-907	-9.5%
63.0%	9,300	8,647	-653	-7.0%
64.2%	9,236	8,623	-614	-6.6%
65.4%	8,955	8,539	-416	-4.6%
66.7%	8,588	8,529	-59	-0.7%
67.9%	8,424	8,455	31	0.4%
69.1%	8,350	8,411	60	0.7%
70.4%	8,056	8,388	333	4.1%
71.6%	7,892	8,326	434	5.5%
72.8%	7,730	8,256	525	6.8%
74.1%	7,675	8,108	434	5.6%
75.3%	7,648	7,938	291	3.8%
76.5%	7,565	7,798	233	3.1%
77.8%	7,538	7,674	136	1.8%
79.0%	7,274	7,442	169	2.3%
80.2%	7,264	7,429	165	2.3%
81.5%	6,907	7,362	455	6.6%
82.7%	6,863	7,089	226	3.3%
84.0%	6,852	7,039	187	2.7%
85.2%	6,783	7,026	243	3.6%
86.4%	6,765	7,016	251	3.7%
87.7%	6,583	6,991	408	6.2%
88.9%	6,248	6,924	676	10.8%
90.1%	6,237	6,878	641	10.3%
91.4%	6,016	6,858	842	14.0%
92.6%	6,008	6,399	391	6.5%
93.8%	5,639	6,223	584	10.4%
95.1%	5,568	6,142	574	10.3%
96.3%	5,458	6,020	563	10.3%
97.5%	5,419	6,004	585	10.8%
98.8%	5,295	5,426	132	2.5%
100.0%	5,029	4,531	-497	-9.9%

Table SW-15-5b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,355	24,350	-5	0.0%
1.2%	24,267	24,233	-35	-0.1%
2.5%	23,722	23,897	175	0.7%
3.7%	23,248	23,244	-5	0.0%
4.9%	23,019	22,984	-35	-0.2%
6.2%	22,972	22,912	-60	-0.3%
7.4%	22,868	22,792	-76	-0.3%
8.6%	22,677	22,719	42	0.2%
9.9%	22,478	22,336	-143	-0.6%
11.1%	22,455	22,319	-136	-0.6%
12.3%	22,274	22,205	-69	-0.3%
13.6%	22,200	22,182	-18	-0.1%
14.8%	22,087	21,996	-90	-0.4%
16.0%	21,522	21,393	-130	-0.6%
17.3%	21,504	21,359	-145	-0.7%
18.5%	21,423	21,297	-127	-0.6%
19.8%	21,367	21,250	-118	-0.6%
21.0%	21,318	21,239	-80	-0.4%
22.2%	21,238	21,202	-36	-0.2%
23.5%	21,123	21,171	48	0.2%
24.7%	20,980	21,113	133	0.6%
25.9%	20,904	20,885	-19	-0.1%
27.2%	20,771	20,765	-6	0.0%
28.4%	20,649	20,521	-127	-0.6%
29.6%	20,624	20,184	-440	-2.1%
30.9%	20,600	20,179	-421	-2.0%
32.1%	20,580	20,139	-441	-2.1%
33.3%	20,442	20,081	-361	-1.8%
34.6%	20,263	19,811	-452	-2.2%
35.8%	20,141	19,633	-508	-2.5%
37.0%	20,091	19,229	-861	-4.3%
38.3%	19,742	19,213	-529	-2.7%
39.5%	19,719	19,182	-536	-2.7%
40.7%	19,692	19,158	-535	-2.7%
42.0%	19,353	18,816	-537	-2.8%
43.2%	19,047	18,483	-564	-3.0%
44.4%	18,395	18,121	-273	-1.5%
45.7%	18,052	16,704	-1,348	-7.5%
46.9%	17,673	16,025	-1,648	-9.3%
48.1%	17,315	15,961	-1,354	-7.8%
49.4%	17,047	15,316	-1,732	-10.2%
50.6%	16,177	15,098	-1,079	-6.7%
51.9%	15,967	15,093	-874	-5.5%
53.1%	15,324	13,294	-2,030	-13.2%
54.3%	13,886	12,937	-949	-6.8%
55.6%	13,866	12,872	-994	-7.2%
56.8%	13,752	12,124	-1,629	-11.8%
58.0%	13,493	11,971	-1,522	-11.3%
59.3%	13,429	11,904	-1,525	-11.4%
60.5%	12,628	11,735	-893	-7.1%
61.7%	12,554	11,536	-1,018	-8.1%
63.0%	12,370	10,977	-1,394	-11.3%
64.2%	11,680	10,524	-1,157	-9.9%
65.4%	11,503	10,383	-1,120	-9.7%
66.7%	11,489	10,351	-1,138	-9.9%
67.9%	11,325	10,114	-1,211	-10.7%
69.1%	11,230	9,584	-1,646	-14.7%
70.4%	10,961	9,560	-1,401	-12.8%
71.6%	10,804	9,238	-1,565	-14.5%
72.8%	10,180	9,164	-1,016	-10.0%
74.1%	9,955	8,804	-1,150	-11.6%
75.3%	9,524	8,797	-726	-7.6%
76.5%	9,280	8,786	-494	-5.3%
77.8%	8,431	8,618	187	2.2%
79.0%	8,152	8,575	423	5.2%
80.2%	7,791	8,345	554	7.1%
81.5%	7,574	7,849	275	3.6%
82.7%	7,572	7,762	190	2.5%
84.0%	7,432	7,679	248	3.3%
85.2%	7,267	7,416	149	2.1%
86.4%	6,792	7,409	616	9.1%
87.7%	6,730	7,299	569	8.5%
88.9%	6,715	7,181	467	6.9%
90.1%	6,479	6,982	504	7.8%
91.4%	6,387	6,760	373	5.8%
92.6%	6,098	6,385	287	4.7%
93.8%	6,062	6,101	39	0.6%
95.1%	5,422	6,098	677	12.5%
96.3%	5,025	5,596	571	11.4%
97.5%	4,934	5,402	467	9.5%
98.8%	4,760	5,057	297	6.2%
100.0%	4,735	4,883	148	3.1%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,114	24,114	0	0.0%
1.2%	23,715	23,600	-114	-0.5%
2.5%	23,222	23,075	-147	-0.6%
3.7%	22,672	22,585	-86	-0.4%
4.9%	22,243	22,249	7	0.0%
6.2%	21,973	21,707	-266	-1.2%
7.4%	21,871	21,635	-236	-1.1%
8.6%	21,557	21,332	-225	-1.0%
9.9%	21,542	21,330	-212	-1.0%
11.1%	21,326	21,105	-221	-1.0%
12.3%	21,317	21,102	-215	-1.0%
13.6%	21,018	20,600	-419	-2.0%
14.8%	20,719	20,212	-506	-2.4%
16.0%	20,694	20,078	-615	-3.0%
17.3%	20,595	19,822	-773	-3.8%
18.5%	20,281	19,386	-895	-4.4%
19.8%	20,214	19,362	-852	-4.2%
21.0%	20,063	19,256	-807	-4.0%
22.2%	20,026	18,933	-1,093	-5.5%
23.5%	19,620	18,878	-743	-3.8%
24.7%	19,605	18,774	-830	-4.2%
25.9%	19,539	18,655	-885	-4.5%
27.2%	19,455	18,596	-859	-4.4%
28.4%	19,348	18,549	-799	-4.1%
29.6%	18,513	17,107	-1,406	-7.6%
30.9%	18,486	15,977	-2,508	-13.6%
32.1%	18,028	15,664	-2,364	-13.1%
33.3%	17,795	15,391	-2,404	-13.5%
34.6%	17,667	14,838	-2,829	-16.0%
35.8%	17,076	14,412	-2,664	-15.6%
37.0%	17,021	14,115	-2,905	-17.1%
38.3%	16,653	13,928	-2,725	-16.4%
39.5%	16,398	13,461	-2,937	-17.9%
40.7%	15,882	13,312	-2,570	-16.2%
42.0%	15,869	13,068	-2,801	-17.7%
43.2%	15,812	12,363	-3,448	-21.8%
44.4%	15,547	12,025	-3,522	-22.7%
45.7%	15,538	11,905	-3,633	-23.4%
46.9%	14,946	11,418	-3,528	-23.6%
48.1%	14,731	10,842	-3,890	-26.4%
49.4%	14,553	10,568	-3,985	-27.4%
50.6%	14,542	10,246	-4,297	-29.5%
51.9%	13,982	10,152	-3,830	-27.4%
53.1%	13,479	10,142	-3,337	-24.8%
54.3%	13,057	9,962	-3,095	-23.7%
55.6%	12,991	9,417	-3,574	-27.5%
56.8%	12,579	9,401	-3,179	-25.3%
58.0%	12,513	9,256	-3,257	-26.0%
59.3%	11,813	9,120	-2,693	-22.8%
60.5%	11,306	8,949	-2,358	-20.9%
61.7%	11,129	8,330	-2,799	-25.2%
63.0%	10,462	8,222	-2,240	-21.4%
64.2%	10,130	8,139	-1,991	-19.7%
65.4%	9,959	8,085	-1,874	-18.8%
66.7%	9,830	8,057	-1,773	-18.0%
67.9%	9,665	7,725	-1,940	-20.1%
69.1%	9,613	7,662	-1,951	-20.3%
70.4%	9,582	7,607	-1,975	-20.6%
71.6%	9,391	7,548	-1,843	-19.6%
72.8%	9,358	7,399	-1,959	-20.9%
74.1%	9,358	7,344	-2,014	-21.5%
75.3%	8,902	7,281	-1,621	-18.2%
76.5%	8,846	7,001	-1,846	-20.9%
77.8%	8,838	6,972	-1,866	-21.1%
79.0%	8,768	6,962	-1,806	-20.6%
80.2%	8,684	6,958	-1,726	-19.9%
81.5%	8,044	6,940	-1,104	-13.7%
82.7%	7,888	6,906	-982	-12.5%
84.0%	7,729	6,814	-915	-11.8%
85.2%	7,507	6,711	-796	-10.6%
86.4%	7,499	6,700	-799	-10.7%
87.7%	7,278	6,685	-592	-8.1%
88.9%	6,573	6,534	-38	-0.6%
90.1%	6,128	6,521	393	6.4%
91.4%	5,946	6,344	398	6.7%
92.6%	5,636	6,027	392	7.0%
93.8%	5,576	5,940	364	6.5%
95.1%	5,439	5,617	178	3.3%
96.3%	5,408	5,480	72	1.3%
97.5%	5,241	5,351	110	2.1%
98.8%	5,234	5,259	25	0.5%
100.0%	4,883	5,245	362	7.4%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,368	-138	-0.6%
1.2%	21,096	20,900	-195	-0.9%
2.5%	20,914	20,738	-177	-0.8%
3.7%	20,459	20,459	0	0.0%
4.9%	20,290	20,292	2	0.0%
6.2%	18,928	18,790	-139	-0.7%
7.4%	18,785	18,118	-667	-3.6%
8.6%	18,671	17,941	-731	-3.9%
9.9%	18,588	17,935	-652	-3.5%
11.1%	17,944	17,653	-291	-1.6%
12.3%	17,703	17,007	-696	-3.9%
13.6%	17,629	16,970	-660	-3.7%
14.8%	17,454	16,473	-981	-5.6%
16.0%	17,392	15,928	-1,464	-8.4%
17.3%	17,206	15,825	-1,381	-8.0%
18.5%	16,912	15,295	-1,617	-9.6%
19.8%	16,281	14,826	-1,455	-8.9%
21.0%	15,000	13,460	-1,540	-10.3%
22.2%	14,374	11,633	-2,741	-19.1%
23.5%	13,642	11,225	-2,416	-17.7%
24.7%	13,328	11,064	-2,264	-17.0%
25.9%	12,902	9,841	-3,062	-23.7%
27.2%	10,968	9,157	-1,811	-16.5%
28.4%	9,520	9,133	-388	-4.1%
29.6%	9,122	8,563	-559	-6.1%
30.9%	9,038	8,118	-921	-10.2%
32.1%	8,835	7,872	-963	-10.9%
33.3%	8,573	6,588	-1,986	-23.2%
34.6%	7,855	6,297	-1,557	-19.8%
35.8%	7,736	6,271	-1,465	-18.9%
37.0%	6,519	6,172	-347	-5.3%
38.3%	6,472	6,100	-371	-5.7%
39.5%	6,271	6,066	-205	-3.3%
40.7%	6,087	5,996	-92	-1.5%
42.0%	6,084	5,986	-99	-1.6%
43.2%	5,921	5,545	-376	-6.4%
44.4%	5,866	5,482	-384	-6.5%
45.7%	5,784	5,461	-322	-5.6%
46.9%	5,618	5,459	-160	-2.8%
48.1%	5,545	5,439	-105	-1.9%
49.4%	5,504	5,427	-77	-1.4%
50.6%	5,482	5,381	-101	-1.8%
51.9%	5,459	5,368	-91	-1.7%
53.1%	5,439	5,359	-81	-1.5%
54.3%	5,368	5,351	-17	-0.3%
55.6%	5,340	5,340	0	0.0%
56.8%	5,333	5,333	0	0.0%
58.0%	5,308	5,308	0	0.0%
59.3%	5,276	5,283	7	0.1%
60.5%	5,232	5,276	44	0.8%
61.7%	5,213	5,244	31	0.6%
63.0%	5,195	5,232	36	0.7%
64.2%	5,161	5,195	34	0.7%
65.4%	5,146	5,193	46	0.9%
66.7%	5,144	5,146	2	0.0%
67.9%	5,039	5,135	95	1.9%
69.1%	5,027	5,114	88	1.7%
70.4%	4,977	5,109	131	2.6%
71.6%	4,927	5,039	112	2.3%
72.8%	4,920	5,000	80	1.6%
74.1%	4,896	5,000	104	2.1%
75.3%	4,851	4,920	70	1.4%
76.5%	4,783	4,896	114	2.4%
77.8%	4,744	4,724	-20	-0.4%
79.0%	4,625	4,621	-4	-0.1%
80.2%	4,614	4,621	7	0.1%
81.5%	4,609	4,596	-13	-0.3%
82.7%	4,582	4,582	0	0.0%
84.0%	4,358	4,425	67	1.5%
85.2%	4,300	4,300	0	0.0%
86.4%	4,220	4,220	0	0.0%
87.7%	4,085	4,134	49	1.2%
88.9%	3,972	4,085	113	2.8%
90.1%	3,856	3,879	22	0.6%
91.4%	3,792	3,856	64	1.7%
92.6%	3,635	3,792	157	4.3%
93.8%	3,629	3,635	6	0.2%
95.1%	3,586	3,586	0	0.0%
96.3%	3,581	3,581	0	0.0%
97.5%	3,462	3,516	54	1.5%
98.8%	3,394	3,394	0	0.0%
100.0%	3,285	3,285	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,519	19,499	-20	-0.1%
1.2%	18,691	17,986	-705	-3.8%
2.5%	18,499	17,847	-652	-3.5%
3.7%	17,681	17,684	3	0.0%
4.9%	17,158	16,325	-832	-4.9%
6.2%	16,778	15,053	-1,725	-10.3%
7.4%	15,419	15,000	-419	-2.7%
8.6%	15,095	12,629	-2,466	-16.3%
9.9%	12,977	11,833	-1,143	-8.8%
11.1%	12,550	11,721	-829	-6.6%
12.3%	11,943	11,455	-488	-4.1%
13.6%	11,782	10,524	-1,258	-10.7%
14.8%	11,467	10,514	-952	-8.3%
16.0%	11,219	9,428	-1,791	-16.0%
17.3%	10,271	9,091	-1,180	-11.5%
18.5%	9,048	9,035	-12	-0.1%
19.8%	8,998	7,832	-1,167	-13.0%
21.0%	8,575	7,715	-860	-10.0%
22.2%	8,474	7,301	-1,172	-13.8%
23.5%	7,901	7,158	-744	-9.4%
24.7%	7,593	6,971	-622	-8.2%
25.9%	7,237	6,785	-452	-6.2%
27.2%	7,211	6,423	-788	-10.9%
28.4%	6,049	6,143	93	1.5%
29.6%	5,875	5,913	38	0.6%
30.9%	5,857	5,765	-93	-1.6%
32.1%	5,829	5,594	-235	-4.0%
33.3%	5,723	5,581	-142	-2.5%
34.6%	5,551	5,565	14	0.3%
35.8%	5,510	5,553	43	0.8%
37.0%	5,453	5,538	85	1.6%
38.3%	5,432	5,517	84	1.6%
39.5%	5,385	5,453	68	1.3%
40.7%	5,315	5,439	124	2.3%
42.0%	5,254	5,385	131	2.5%
43.2%	5,228	5,315	86	1.7%
44.4%	5,215	5,267	52	1.0%
45.7%	5,196	5,254	58	1.1%
46.9%	5,186	5,228	43	0.8%
48.1%	5,171	5,215	44	0.8%
49.4%	5,171	5,196	25	0.5%
50.6%	5,130	5,186	56	1.1%
51.9%	5,129	5,171	42	0.8%
53.1%	5,113	5,130	16	0.3%
54.3%	5,108	5,129	21	0.4%
55.6%	5,090	5,108	17	0.3%
56.8%	4,956	5,101	145	2.9%
58.0%	4,941	5,090	149	3.0%
59.3%	4,799	5,077	278	5.8%
60.5%	4,772	5,050	278	5.8%
61.7%	4,733	5,000	267	5.6%
63.0%	4,676	4,956	281	6.0%
64.2%	4,667	4,941	274	5.9%
65.4%	4,665	4,921	256	5.5%
66.7%	4,657	4,799	141	3.0%
67.9%	4,601	4,772	171	3.7%
69.1%	4,593	4,733	140	3.1%
70.4%	4,577	4,676	99	2.2%
71.6%	4,550	4,667	116	2.6%
72.8%	4,421	4,665	244	5.5%
74.1%	4,382	4,611	229	5.2%
75.3%	4,362	4,596	234	5.4%
76.5%	4,324	4,593	268	6.2%
77.8%	4,168	4,513	345	8.3%
79.0%	4,163	4,324	161	3.9%
80.2%	4,145	4,219	74	1.8%
81.5%	4,111	4,179	68	1.7%
82.7%	4,070	4,168	98	2.4%
84.0%	4,059	4,157	98	2.4%
85.2%	3,937	4,145	209	5.3%
86.4%	3,857	4,114	257	6.7%
87.7%	3,850	4,059	210	5.4%
88.9%	3,792	3,968	176	4.6%
90.1%	3,790	3,914	123	3.3%
91.4%	3,778	3,792	13	0.4%
92.6%	3,733	3,763	29	0.8%
93.8%	3,707	3,707	0	0.0%
95.1%	3,583	3,583	0	0.0%
96.3%	3,409	3,409	0	0.0%
97.5%	3,377	3,377	0	0.0%
98.8%	3,319	3,319	0	0.0%
100.0%	3,272	3,272	0	0.0%

Table SW-15-5b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,857	-26	-0.1%
1.2%	15,258	15,130	-128	-0.8%
2.5%	11,055	9,363	-1,692	-15.3%
3.7%	8,139	9,101	962	11.8%
4.9%	7,942	8,784	843	10.6%
6.2%	7,852	8,634	782	10.0%
7.4%	7,553	8,473	920	12.2%
8.6%	7,551	8,389	838	11.1%
9.9%	7,416	7,970	554	7.5%
11.1%	7,298	7,857	559	7.7%
12.3%	7,129	7,733	605	8.5%
13.6%	7,032	7,694	663	9.4%
14.8%	6,998	7,658	660	9.4%
16.0%	6,922	7,642	720	10.4%
17.3%	6,598	7,176	577	8.8%
18.5%	6,498	7,173	675	10.4%
19.8%	6,458	7,107	648	10.0%
21.0%	6,321	7,031	711	11.2%
22.2%	6,176	6,899	723	11.7%
23.5%	6,041	6,831	790	13.1%
24.7%	5,934	6,795	861	14.5%
25.9%	5,793	6,761	968	16.7%
27.2%	5,717	6,725	1,008	17.6%
28.4%	5,585	6,699	1,114	20.0%
29.6%	5,580	6,453	873	15.6%
30.9%	5,577	6,357	780	14.0%
32.1%	5,502	6,340	839	15.2%
33.3%	5,448	6,135	687	12.6%
34.6%	5,441	6,044	603	11.1%
35.8%	5,427	6,017	590	10.9%
37.0%	5,424	5,978	555	10.2%
38.3%	5,409	5,969	560	10.4%
39.5%	5,342	5,969	627	11.7%
40.7%	5,332	5,876	543	10.2%
42.0%	5,316	5,795	479	9.0%
43.2%	5,307	5,786	479	9.0%
44.4%	5,302	5,765	463	8.7%
45.7%	5,268	5,744	476	9.0%
46.9%	5,265	5,731	466	8.8%
48.1%	5,247	5,727	481	9.2%
49.4%	5,236	5,669	433	8.3%
50.6%	5,235	5,653	417	8.0%
51.9%	5,214	5,625	411	7.9%
53.1%	5,206	5,614	408	7.8%
54.3%	5,204	5,585	381	7.3%
55.6%	5,196	5,515	320	6.1%
56.8%	5,173	5,504	331	6.4%
58.0%	5,159	5,500	341	6.6%
59.3%	5,155	5,487	332	6.4%
60.5%	5,145	5,473	327	6.4%
61.7%	5,144	5,457	313	6.1%
63.0%	5,132	5,454	322	6.3%
64.2%	5,131	5,444	313	6.1%
65.4%	5,128	5,441	313	6.1%
66.7%	5,124	5,410	286	5.6%
67.9%	5,110	5,341	231	4.5%
69.1%	5,098	5,333	235	4.6%
70.4%	5,092	5,319	227	4.5%
71.6%	5,066	5,235	169	3.3%
72.8%	4,793	5,230	436	9.1%
74.1%	4,782	5,217	435	9.1%
75.3%	4,777	5,211	434	9.1%
76.5%	4,751	5,157	406	8.5%
77.8%	4,703	5,155	452	9.6%
79.0%	4,657	5,136	480	10.3%
80.2%	4,632	5,132	500	10.8%
81.5%	4,591	5,128	536	11.7%
82.7%	4,584	5,098	514	11.2%
84.0%	4,582	5,055	473	10.3%
85.2%	4,347	5,000	653	15.0%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	4,966	797	19.1%
88.9%	4,141	4,900	759	18.3%
90.1%	4,126	4,882	756	18.3%
91.4%	4,085	4,873	789	19.3%
92.6%	3,996	4,793	797	20.0%
93.8%	3,752	4,710	958	25.5%
95.1%	3,738	4,626	888	23.7%
96.3%	3,661	4,591	931	25.4%
97.5%	3,598	4,385	786	21.9%
98.8%	3,585	4,215	630	17.6%
100.0%	3,524	4,106	582	16.5%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	11,774	123	1.1%
1.2%	10,665	11,667	1,002	9.4%
2.5%	9,065	11,507	2,442	26.9%
3.7%	8,998	11,499	2,501	27.8%
4.9%	8,814	11,468	2,654	30.1%
6.2%	8,794	11,265	2,471	28.1%
7.4%	8,593	11,156	2,562	29.8%
8.6%	8,544	10,950	2,406	28.2%
9.9%	8,502	10,528	2,026	23.8%
11.1%	8,462	10,517	2,055	24.3%
12.3%	8,410	10,508	2,098	25.0%
13.6%	8,317	10,485	2,168	26.1%
14.8%	8,304	10,402	2,098	25.3%
16.0%	8,218	10,285	2,068	25.2%
17.3%	8,192	10,156	1,964	24.0%
18.5%	8,177	10,104	1,927	23.6%
19.8%	8,035	10,092	2,057	25.6%
21.0%	8,021	9,963	1,942	24.2%
22.2%	7,938	9,943	2,005	25.3%
23.5%	7,866	9,891	2,025	25.7%
24.7%	7,837	9,833	1,996	25.5%
25.9%	7,833	9,628	1,796	22.9%
27.2%	7,774	9,547	1,773	22.8%
28.4%	7,683	9,425	1,742	22.7%
29.6%	7,681	9,405	1,724	22.4%
30.9%	7,661	9,282	1,620	21.1%
32.1%	7,521	9,073	1,552	20.6%
33.3%	7,520	9,025	1,505	20.0%
34.6%	7,498	8,934	1,435	19.1%
35.8%	7,494	8,876	1,383	18.4%
37.0%	7,477	8,782	1,305	17.4%
38.3%	7,365	8,773	1,408	19.1%
39.5%	7,362	8,619	1,256	17.1%
40.7%	7,313	8,579	1,266	17.3%
42.0%	7,241	8,542	1,301	18.0%
43.2%	7,205	8,439	1,234	17.1%
44.4%	7,045	8,381	1,336	19.0%
45.7%	6,831	8,266	1,435	21.0%
46.9%	6,678	8,060	1,382	20.7%
48.1%	6,661	8,020	1,359	20.4%
49.4%	6,629	8,019	1,389	21.0%
50.6%	6,624	7,987	1,362	20.6%
51.9%	6,592	7,947	1,354	20.5%
53.1%	6,582	7,892	1,310	19.9%
54.3%	6,530	7,565	1,035	15.8%
55.6%	6,483	7,531	1,048	16.2%
56.8%	6,278	7,394	1,115	17.8%
58.0%	6,268	7,369	1,101	17.6%
59.3%	6,017	7,314	1,297	21.6%
60.5%	6,015	7,246	1,231	20.5%
61.7%	5,970	7,233	1,263	21.2%
63.0%	5,820	7,227	1,407	24.2%
64.2%	5,758	7,166	1,408	24.4%
65.4%	5,720	7,009	1,290	22.5%
66.7%	5,695	6,945	1,250	22.0%
67.9%	5,681	6,930	1,249	22.0%
69.1%	5,669	6,859	1,190	21.0%
70.4%	5,632	6,764	1,131	20.1%
71.6%	5,483	6,674	1,191	21.7%
72.8%	5,471	6,665	1,194	21.8%
74.1%	5,426	6,628	1,202	22.1%
75.3%	5,318	6,565	1,247	23.4%
76.5%	5,177	6,536	1,359	26.3%
77.8%	5,172	6,416	1,245	24.1%
79.0%	5,172	6,391	1,220	23.6%
80.2%	5,142	6,370	1,228	23.9%
81.5%	5,129	6,136	1,007	19.6%
82.7%	5,129	6,111	982	19.2%
84.0%	5,111	6,089	978	19.1%
85.2%	5,107	6,032	925	18.1%
86.4%	5,104	5,943	839	16.4%
87.7%	5,102	5,942	840	16.5%
88.9%	5,089	5,753	663	13.0%
90.1%	5,080	5,692	612	12.1%
91.4%	4,969	5,629	660	13.3%
92.6%	4,904	5,448	543	11.1%
93.8%	4,442	5,413	971	21.9%
95.1%	4,408	5,340	932	21.1%
96.3%	4,326	5,277	950	22.0%
97.5%	4,096	5,235	1,138	27.8%
98.8%	3,917	5,180	1,264	32.3%
100.0%	3,541	5,180	1,638	46.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	10,296	953	10.2%
1.2%	9,246	9,883	637	6.9%
2.5%	9,013	9,787	774	8.6%
3.7%	8,999	9,535	536	6.0%
4.9%	8,660	9,385	725	8.4%
6.2%	8,540	9,058	518	6.1%
7.4%	8,349	8,891	542	6.5%
8.6%	8,220	8,619	399	4.9%
9.9%	8,206	8,430	224	2.7%
11.1%	8,033	8,269	236	2.9%
12.3%	7,373	8,034	660	9.0%
13.6%	7,162	7,925	763	10.7%
14.8%	6,977	7,478	500	7.2%
16.0%	6,820	7,344	523	7.7%
17.3%	6,776	7,310	534	7.9%
18.5%	6,739	7,277	539	8.0%
19.8%	6,667	7,232	565	8.5%
21.0%	6,631	7,156	525	7.9%
22.2%	6,610	6,981	372	5.6%
23.5%	6,555	6,931	376	5.7%
24.7%	6,527	6,855	328	5.0%
25.9%	6,383	6,831	448	7.0%
27.2%	6,342	6,810	468	7.4%
28.4%	6,307	6,798	491	7.8%
29.6%	6,196	6,779	583	9.4%
30.9%	6,181	6,682	501	8.1%
32.1%	6,118	6,669	551	9.0%
33.3%	6,094	6,581	486	8.0%
34.6%	5,980	6,401	421	7.0%
35.8%	5,868	6,401	533	9.1%
37.0%	5,685	6,348	663	11.7%
38.3%	5,662	6,290	628	11.1%
39.5%	5,616	6,280	664	11.8%
40.7%	5,534	6,258	724	13.1%
42.0%	5,516	6,188	671	12.2%
43.2%	5,503	6,186	683	12.4%
44.4%	5,374	6,151	777	14.4%
45.7%	5,219	6,129	910	17.4%
46.9%	5,217	6,104	886	17.0%
48.1%	5,186	6,091	905	17.5%
49.4%	5,171	6,031	860	16.6%
50.6%	5,130	5,958	828	16.1%
51.9%	5,122	5,876	754	14.7%
53.1%	5,122	5,859	737	14.4%
54.3%	5,087	5,857	770	15.1%
55.6%	5,070	5,846	776	15.3%
56.8%	5,066	5,701	634	12.5%
58.0%	5,062	5,588	526	10.4%
59.3%	5,061	5,517	456	9.0%
60.5%	5,055	5,423	368	7.3%
61.7%	5,053	5,422	369	7.3%
63.0%	5,030	5,347	317	6.3%
64.2%	5,029	5,294	265	5.3%
65.4%	5,029	5,285	256	5.1%
66.7%	5,029	5,281	253	5.0%
67.9%	5,024	5,210	185	3.7%
69.1%	5,023	5,207	184	3.7%
70.4%	5,019	5,204	185	3.7%
71.6%	5,018	5,165	146	2.9%
72.8%	5,016	5,159	143	2.8%
74.1%	5,012	5,121	109	2.2%
75.3%	5,012	5,108	96	1.9%
76.5%	5,011	5,107	96	1.9%
77.8%	5,010	5,094	84	1.7%
79.0%	4,994	5,074	80	1.6%
80.2%	4,951	5,066	115	2.3%
81.5%	4,837	5,055	218	4.5%
82.7%	4,555	5,048	492	10.8%
84.0%	4,546	5,044	498	11.0%
85.2%	4,533	5,033	499	11.0%
86.4%	4,532	5,029	497	11.0%
87.7%	4,530	5,019	490	10.8%
88.9%	4,510	5,018	508	11.3%
90.1%	4,441	5,000	559	12.6%
91.4%	4,182	4,974	792	18.9%
92.6%	4,038	4,646	607	15.0%
93.8%	4,013	4,620	607	15.1%
95.1%	4,009	4,533	524	13.1%
96.3%	3,563	4,530	967	27.1%
97.5%	3,517	4,501	984	28.0%
98.8%	3,505	4,489	984	28.1%
100.0%	3,461	4,453	992	28.7%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	15,000	0	0.0%
3.7%	14,634	15,000	366	2.5%
4.9%	14,255	15,000	745	5.2%
6.2%	13,378	15,000	1,622	12.1%
7.4%	13,133	15,000	1,867	14.2%
8.6%	13,068	15,000	1,932	14.8%
9.9%	12,990	15,000	2,010	15.5%
11.1%	12,848	15,000	2,152	16.8%
12.3%	12,746	15,000	2,254	17.7%
13.6%	12,730	13,555	825	6.5%
14.8%	12,706	13,415	708	5.6%
16.0%	12,542	13,117	575	4.6%
17.3%	12,453	13,055	601	4.8%
18.5%	11,980	13,042	1,062	8.9%
19.8%	11,924	12,802	878	7.4%
21.0%	11,720	12,641	920	7.9%
22.2%	11,664	12,628	965	8.3%
23.5%	11,385	12,591	1,206	10.6%
24.7%	11,348	12,443	1,095	9.6%
25.9%	10,955	12,391	1,436	13.1%
27.2%	10,859	12,332	1,473	13.6%
28.4%	10,213	11,493	1,279	12.5%
29.6%	10,080	10,257	176	1.8%
30.9%	9,532	9,953	421	4.4%
32.1%	9,329	9,844	515	5.5%
33.3%	9,123	9,625	501	5.5%
34.6%	8,969	9,293	324	3.6%
35.8%	8,500	9,103	604	7.1%
37.0%	8,366	8,873	507	6.1%
38.3%	8,236	8,557	321	3.9%
39.5%	7,644	8,403	759	9.9%
40.7%	7,286	8,306	1,020	14.0%
42.0%	6,958	8,297	1,339	19.2%
43.2%	6,939	8,274	1,336	19.3%
44.4%	6,653	8,232	1,579	23.7%
45.7%	6,321	8,072	1,751	27.7%
46.9%	6,289	7,930	1,641	26.1%
48.1%	6,168	7,744	1,576	25.5%
49.4%	6,166	7,582	1,416	23.0%
50.6%	5,872	7,325	1,453	24.7%
51.9%	5,844	7,209	1,366	23.4%
53.1%	5,830	7,090	1,260	21.6%
54.3%	5,787	6,855	1,068	18.5%
55.6%	5,776	6,831	1,055	18.3%
56.8%	5,686	6,771	1,085	19.1%
58.0%	5,635	6,719	1,084	19.2%
59.3%	5,625	6,711	1,086	19.3%
60.5%	5,561	6,605	1,044	18.8%
61.7%	5,530	6,558	1,029	18.6%
63.0%	5,514	6,507	993	18.0%
64.2%	5,459	6,369	910	16.7%
65.4%	5,399	6,236	838	15.5%
66.7%	5,382	6,207	825	15.3%
67.9%	5,346	6,105	760	14.2%
69.1%	5,305	6,093	788	14.9%
70.4%	5,175	5,898	723	14.0%
71.6%	5,135	5,884	749	14.6%
72.8%	5,112	5,861	749	14.6%
74.1%	5,073	5,835	761	15.0%
75.3%	5,071	5,804	733	14.4%
76.5%	5,064	5,696	632	12.5%
77.8%	5,058	5,680	622	12.3%
79.0%	4,779	5,624	845	17.7%
80.2%	4,596	5,565	970	21.1%
81.5%	4,554	5,505	951	20.9%
82.7%	4,526	5,485	959	21.2%
84.0%	4,513	5,446	933	20.7%
85.2%	4,403	5,439	1,036	23.5%
86.4%	4,397	5,369	972	22.1%
87.7%	4,311	5,343	1,032	23.9%
88.9%	4,075	5,166	1,092	26.8%
90.1%	4,061	5,158	1,097	27.0%
91.4%	4,007	5,076	1,068	26.7%
92.6%	3,891	5,043	1,153	29.6%
93.8%	3,881	5,000	1,119	28.8%
95.1%	3,514	4,860	1,346	38.3%
96.3%	3,506	4,468	962	27.5%
97.5%	3,505	4,439	934	26.7%
98.8%	3,278	4,257	979	29.9%
100.0%	3,255	4,035	781	24.0%

Table SW-16-5a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,258	12,153	19,084	27,004	31,441	28,424	19,441	15,292	12,918	15,838	12,415	14,704
Alternative B	9,876	13,074	18,864	26,385	30,815	26,726	18,847	15,010	13,470	17,154	13,159	15,973
Difference	617	920	-220	-618	-626	-1,698	-594	-282	553	1,316	744	1,269
Percent Difference[3]	6.7%	7.6%	-1.2%	-2.3%	-2.0%	-6.0%	-3.1%	-1.8%	4.3%	8.3%	6.0%	8.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,245	15,767	21,483	44,203	49,347	43,331	32,085	25,662	17,796	15,937	12,380	23,027
Alternative B	12,371	16,720	20,840	43,683	48,692	42,021	31,192	25,154	18,520	17,154	12,465	24,210
Difference	1,126	953	-644	-520	-655	-1,310	-893	-508	724	1,217	84	1,183
Percent Difference	10.0%	6.0%	-3.0%	-1.2%	-1.3%	-3.0%	-2.8%	-2.0%	4.1%	7.6%	0.7%	5.1%
Above Normal (15%)												
No Action Alternative	10,102	13,988	19,955	32,683	38,255	38,744	21,918	16,478	13,161	17,418	13,713	17,333
Alternative B	10,805	15,503	19,006	31,442	37,136	36,658	21,023	15,868	13,717	19,266	14,082	18,521
Difference	703	1,516	-949	-1,241	-1,119	-2,086	-895	-609	556	1,848	369	1,188
Percent Difference	7.0%	10.8%	-4.8%	-3.8%	-2.9%	-5.4%	-4.1%	-3.7%	4.2%	10.6%	2.7%	6.9%
Below Normal (17%)												
No Action Alternative	9,398	11,919	22,226	19,174	25,330	20,113	13,865	10,765	10,623	16,341	13,118	9,784
Alternative B	9,894	12,931	22,987	18,013	25,163	17,436	13,383	10,537	11,077	17,929	13,360	10,646
Difference	496	1,012	761	-1,161	-167	-2,677	-482	-228	454	1,587	242	862
Percent Difference	5.3%	8.5%	3.4%	-6.1%	-0.7%	-13.3%	-3.5%	-2.1%	4.3%	9.7%	1.8%	8.8%
Dry (22%)												
No Action Alternative	7,702	9,710	18,322	14,431	18,308	17,638	10,783	8,758	10,227	15,964	13,332	9,606
Alternative B	7,771	10,620	18,581	14,245	17,558	15,428	10,402	8,789	10,413	17,355	15,030	11,177
Difference	69	909	259	-186	-750	-2,211	-381	31	186	1,391	1,699	1,571
Percent Difference	0.9%	9.4%	1.4%	-1.3%	-4.1%	-12.5%	-3.5%	0.4%	1.8%	8.7%	12.7%	16.4%
Critical (15%)												
No Action Alternative	6,282	6,426	10,494	12,052	12,661	11,682	9,059	6,724	8,818	13,268	9,000	7,429
Alternative B	6,676	6,590	10,055	11,829	12,244	11,441	8,966	6,724	9,662	13,838	10,700	8,986
Difference	394	164	-439	-224	-416	-241	-94	0	844	570	1,700	1,558
Percent Difference	6.3%	2.6%	-4.2%	-1.9%	-3.3%	-2.1%	-1.0%	0.0%	9.6%	4.3%	18.9%	21.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-16-5b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

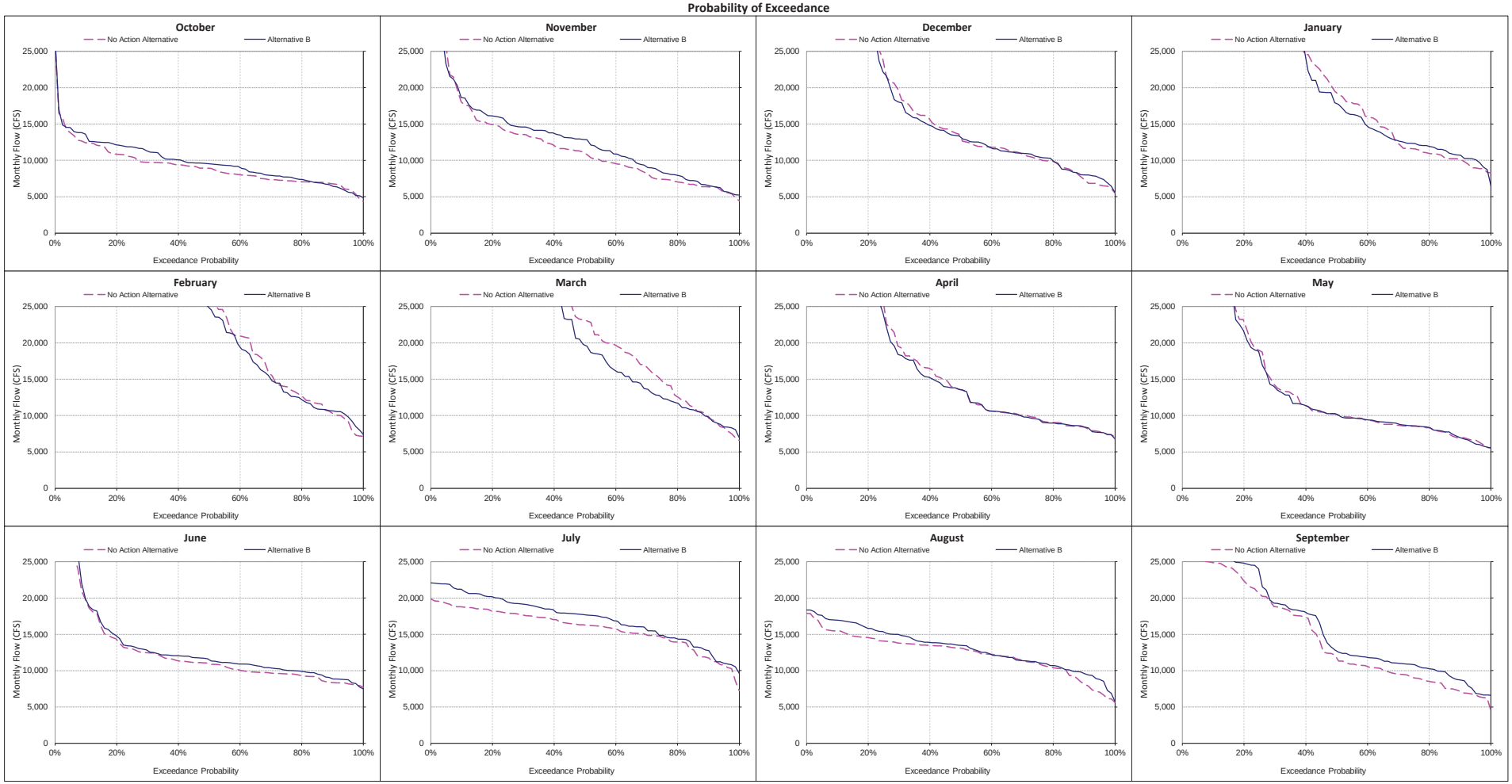

Table SW-16-5b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,681	27,246	565	2.1%
1.2%	16,511	17,083	572	3.5%
2.5%	15,779	14,878	-900	-5.7%
3.7%	14,246	14,558	312	2.2%
4.9%	13,804	14,524	720	5.2%
6.2%	13,396	13,955	559	4.2%
7.4%	12,771	13,831	1,060	8.3%
8.6%	12,655	13,827	1,171	9.3%
9.9%	12,427	13,605	1,178	9.5%
11.1%	12,402	12,611	209	1.7%
12.3%	12,337	12,592	255	2.1%
13.6%	12,073	12,525	452	3.7%
14.8%	12,012	12,488	476	4.0%
16.0%	11,861	12,449	589	5.0%
17.3%	11,162	12,445	1,283	11.5%
18.5%	10,910	12,333	1,423	13.0%
19.8%	10,847	12,158	1,311	12.1%
21.0%	10,825	12,091	1,266	11.7%
22.2%	10,780	11,978	1,198	11.1%
23.5%	10,591	11,873	1,282	12.1%
24.7%	10,497	11,872	1,375	13.1%
25.9%	10,378	11,805	1,426	13.7%
27.2%	9,834	11,670	1,836	18.7%
28.4%	9,767	11,630	1,862	19.1%
29.6%	9,738	11,337	1,599	16.4%
30.9%	9,734	11,130	1,396	14.3%
32.1%	9,708	11,093	1,385	14.3%
33.3%	9,689	11,077	1,388	14.3%
34.6%	9,673	10,513	840	8.7%
35.8%	9,655	10,186	531	5.5%
37.0%	9,634	10,166	532	5.5%
38.3%	9,492	10,155	663	7.0%
39.5%	9,398	10,086	688	7.3%
40.7%	9,375	10,042	667	7.1%
42.0%	9,333	9,843	510	5.5%
43.2%	9,224	9,671	447	4.8%
44.4%	9,220	9,653	433	4.7%
45.7%	9,126	9,640	514	5.6%
46.9%	8,950	9,625	675	7.5%
48.1%	8,946	9,611	665	7.4%
49.4%	8,920	9,570	650	7.3%
50.6%	8,893	9,477	584	6.6%
51.9%	8,682	9,453	771	8.9%
53.1%	8,461	9,402	942	11.1%
54.3%	8,351	9,366	1,015	12.1%
55.6%	8,219	9,323	1,104	13.4%
56.8%	8,127	9,268	1,141	14.0%
58.0%	8,126	9,192	1,066	13.1%
59.3%	8,069	9,184	1,115	13.8%
60.5%	7,977	8,911	934	11.7%
61.7%	7,955	8,797	842	10.6%
63.0%	7,908	8,400	492	6.2%
64.2%	7,892	8,393	501	6.4%
65.4%	7,824	8,290	466	6.0%
66.7%	7,506	8,242	736	9.8%
67.9%	7,465	8,040	575	7.7%
69.1%	7,368	7,972	604	8.2%
70.4%	7,355	7,920	565	7.7%
71.6%	7,335	7,866	532	7.2%
72.8%	7,270	7,845	575	7.9%
74.1%	7,270	7,731	461	6.3%
75.3%	7,188	7,714	526	7.3%
76.5%	7,184	7,675	491	6.8%
77.8%	7,136	7,497	361	5.1%
79.0%	7,100	7,393	293	4.1%
80.2%	7,041	7,362	320	4.6%
81.5%	7,040	7,233	193	2.7%
82.7%	7,001	7,115	114	1.6%
84.0%	7,000	6,999	-1	0.0%
85.2%	6,992	6,924	-68	-1.0%
86.4%	6,989	6,878	-111	-1.6%
87.7%	6,934	6,729	-204	-2.9%
88.9%	6,837	6,678	-159	-2.3%
90.1%	6,783	6,419	-365	-5.4%
91.4%	6,701	6,370	-331	-4.9%
92.6%	6,565	6,149	-416	-6.3%
93.8%	6,071	5,892	-180	-3.0%
95.1%	6,006	5,614	-391	-6.5%
96.3%	5,820	5,544	-275	-4.7%
97.5%	5,322	5,162	-160	-3.0%
98.8%	4,685	5,117	432	9.2%
100.0%	4,369	4,843	474	10.8%

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,249	41,161	-1,088	-2.6%
1.2%	41,216	41,024	-192	-0.5%
2.5%	28,205	28,283	78	0.3%
3.7%	26,012	27,444	1,433	5.5%
4.9%	25,779	23,274	-2,504	-9.7%
6.2%	21,784	21,562	-222	-1.0%
7.4%	21,475	21,161	-315	-1.5%
8.6%	19,690	20,293	603	3.1%
9.9%	18,033	18,646	613	3.4%
11.1%	17,584	18,584	1,000	5.7%
12.3%	17,537	17,668	131	0.7%
13.6%	16,614	17,089	475	2.9%
14.8%	15,538	16,913	1,375	8.9%
16.0%	15,359	16,886	1,528	9.9%
17.3%	15,358	16,520	1,162	7.6%
18.5%	15,056	16,148	1,091	7.2%
19.8%	14,939	16,112	1,173	7.9%
21.0%	14,828	16,068	1,240	8.4%
22.2%	14,687	15,953	1,266	8.6%
23.5%	14,232	15,823	1,592	11.2%
24.7%	13,989	15,212	1,223	8.7%
25.9%	13,873	14,824	950	6.9%
27.2%	13,693	14,745	1,053	7.7%
28.4%	13,586	14,624	1,038	7.6%
29.6%	13,582	14,595	1,013	7.5%
30.9%	13,530	14,593	1,063	7.9%
32.1%	13,241	14,415	1,174	8.9%
33.3%	13,192	14,146	954	7.2%
34.6%	13,054	14,133	1,080	8.3%
35.8%	12,949	14,124	1,175	9.1%
37.0%	12,382	14,086	1,704	13.8%
38.3%	12,364	13,780	1,417	11.5%
39.5%	12,187	13,777	1,590	13.1%
40.7%	11,833	13,561	1,728	14.6%
42.0%	11,618	13,487	1,869	16.1%
43.2%	11,617	13,142	1,524	13.1%
44.4%	11,533	13,138	1,606	13.9%
45.7%	11,477	13,081	1,604	14.0%
46.9%	11,338	12,951	1,613	14.2%
48.1%	11,319	12,939	1,620	14.3%
49.4%	11,132	12,862	1,730	15.5%
50.6%	10,814	12,852	2,038	18.8%
51.9%	10,363	12,107	1,744	16.8%
53.1%	10,203	11,996	1,794	17.6%
54.3%	10,153	11,613	1,460	14.4%
55.6%	9,867	11,409	1,542	15.6%
56.8%	9,863	11,344	1,481	15.0%
58.0%	9,693	11,343	1,651	17.0%
59.3%	9,620	10,907	1,287	13.4%
60.5%	9,499	10,862	1,362	14.3%
61.7%	9,454	10,570	1,116	11.8%
63.0%	9,257	10,518	1,261	13.6%
64.2%	9,038	10,303	1,265	14.0%
65.4%	8,974	10,140	1,166	13.0%
66.7%	8,972	9,621	649	7.2%
67.9%	8,603	9,460	857	10.0%
69.1%	8,370	9,357	987	11.8%
70.4%	8,141	9,014	872	10.7%
71.6%	7,635	8,971	1,336	17.5%
72.8%	7,464	8,882	1,418	19.0%
74.1%	7,406	8,538	1,132	15.3%
75.3%	7,401	8,265	864	11.7%
76.5%	7,380	8,220	840	11.4%
77.8%	7,283	8,052	769	10.6%
79.0%	7,105	8,040	934	13.1%
80.2%	7,029	7,919	891	12.7%
81.5%	6,935	7,778	843	12.2%
82.7%	6,787	7,365	578	8.5%
84.0%	6,708	7,210	503	7.5%
85.2%	6,687	7,210	523	7.8%
86.4%	6,540	7,135	595	9.1%
87.7%	6,383	6,710	327	5.1%
88.9%	6,382	6,667	285	4.5%
90.1%	6,366	6,519	153	2.4%
91.4%	6,359	6,413	54	0.9%
92.6%	6,345	6,323	-23	-0.4%
93.8%	5,978	6,262	283	4.7%
95.1%	5,571	5,728	157	2.8%
96.3%	5,544	5,647	102	1.8%
97.5%	5,421	5,449	28	0.5%
98.8%	4,883	5,263	381	7.8%
100.0%	4,426	5,220	794	17.9%

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,305	62,319	14	0.0%
1.2%	56,655	55,505	-1,149	-2.0%
2.5%	55,804	55,133	-671	-1.2%
3.7%	53,645	53,069	-576	-1.1%
4.9%	49,549	50,413	863	1.7%
6.2%	47,680	46,725	-954	-2.0%
7.4%	46,598	46,575	-23	0.0%
8.6%	41,658	40,452	-1,206	-2.9%
9.9%	39,568	39,427	-141	-0.4%
11.1%	39,070	38,656	-414	-1.1%
12.3%	38,714	35,970	-2,744	-7.1%
13.6%	35,411	35,463	52	0.1%
14.8%	34,559	33,872	-687	-2.0%
16.0%	31,082	33,430	2,349	7.6%
17.3%	30,613	32,926	2,313	7.6%
18.5%	30,317	30,012	-305	-1.0%
19.8%	30,228	28,694	-1,535	-5.1%
21.0%	29,838	27,782	-2,056	-6.9%
22.2%	29,106	26,795	-2,311	-7.9%
23.5%	25,261	23,692	-1,568	-6.2%
24.7%	24,054	22,196	-1,858	-7.7%
25.9%	21,469	21,586	117	0.5%
27.2%	20,805	19,939	-867	-4.2%
28.4%	20,615	18,345	-2,270	-11.0%
29.6%	19,773	18,033	-1,740	-8.8%
30.9%	18,306	17,912	-394	-2.2%
32.1%	18,070	16,577	-1,493	-8.3%
33.3%	17,598	16,257	-1,341	-7.6%
34.6%	16,818	15,871	-947	-5.6%
35.8%	16,419	15,816	-603	-3.7%
37.0%	16,185	15,415	-770	-4.8%
38.3%	16,177	15,195	-982	-6.1%
39.5%	15,904	14,886	-1,018	-6.4%
40.7%	15,181	14,688	-494	-3.3%
42.0%	14,796	14,329	-467	-3.2%
43.2%	14,543	14,171	-372	-2.6%
44.4%	14,337	14,141	-196	-1.4%
45.7%	14,298	13,741	-558	-3.9%
46.9%	14,028	13,508	-520	-3.7%
48.1%	13,779	13,432	-347	-2.5%
49.4%	13,596	13,364	-232	-1.7%
50.6%	12,624	12,949	324	2.6%
51.9%	12,514	12,809	295	2.4%
53.1%	12,385	12,550	166	1.3%
54.3%	12,109	12,533	424	3.5%
55.6%	11,932	12,523	591	5.0%
56.8%	11,888	12,407	519	4.4%
58.0%	11,865	12,140	275	2.3%
59.3%	11,862	11,784	-78	-0.7%
60.5%	11,811	11,588	-223	-1.9%
61.7%	11,792	11,585	-208	-1.8%
63.0%	11,717	11,309	-408	-3.5%
64.2%	11,616	11,287	-328	-2.8%
65.4%	11,391	11,153	-238	-2.1%
66.7%	11,194	11,139	-55	-0.5%
67.9%	11,161	11,045	-117	-1.0%
69.1%	11,031	11,011	-20	-0.2%
70.4%	10,776	10,961	185	1.7%
71.6%	10,574	10,917	343	3.2%
72.8%	10,476	10,857	381	3.6%
74.1%	10,291	10,571	280	2.7%
75.3%	10,198	10,478	279	2.7%
76.5%	9,965	10,384	419	4.2%
77.8%	9,939	10,348	408	4.1%
79.0%	9,906	10,310	404	4.1%
80.2%	9,828	9,825	-2	0.0%
81.5%	9,463	9,588	125	1.3%
82.7%	9,030	8,804	-227	-2.5%
84.0%	8,940	8,773	-167	-1.9%
85.2%	8,809	8,632	-177	-2.0%
86.4%	8,470	8,372	-98	-1.2%
87.7%	8,206	8,320	114	1.4%
88.9%	7,757	8,017	260	3.3%
90.1%	7,326	7,994	668	9.1%
91.4%	6,847	7,980	1,133	16.5%
92.6%	6,846	7,878	1,032	15.1%
93.8%	6,832	7,827	994	14.6%
95.1%	6,601	7,577	976	14.8%
96.3%	6,480	7,365	885	13.7%
97.5%	6,440	6,895	455	7.1%
98.8%	6,100	6,456	356	5.8%
100.0%	5,504	5,581	77	1.4%

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,167	70,844	-323	-0.5%
1.2%	70,077	69,756	-322	-0.5%
2.5%	62,642	62,645	3	0.0%
3.7%	62,469	61,919	-550	-0.9%
4.9%	58,916	58,586	-330	-0.6%
6.2%	58,137	58,004	-133	-0.2%
7.4%	56,778	56,218	-559	-1.0%
8.6%	55,106	53,300	-1,806	-3.3%
9.9%	54,766	52,894	-1,872	-3.4%
11.1%	52,513	52,586	73	0.1%
12.3%	50,642	49,409	-1,234	-2.4%
13.6%	50,222	49,386	-835	-1.7%
14.8%	49,209	49,196	-13	0.0%
16.0%	49,206	47,725	-1,482	-3.0%
17.3%	48,130	47,190	-940	-2.0%
18.5%	48,045	46,401	-1,644	-3.4%
19.8%	47,392	46,104	-1,288	-2.7%
21.0%	45,998	45,895	-102	-0.2%
22.2%	44,251	43,419	-832	-1.9%
23.5%	43,614	42,204	-1,410	-3.2%
24.7%	42,283	41,332	-950	-2.2%
25.9%	40,709	40,697	-12	0.0%
27.2%	40,694	38,569	-2,125	-5.2%
28.4%	39,567	37,190	-2,377	-6.0%
29.6%	36,883	35,386	-1,497	-4.1%
30.9%	36,157	32,565	-3,592	-9.9%
32.1%	33,214	32,132	-1,083	-3.3%
33.3%	32,124	31,305	-820	-2.6%
34.6%	29,948	28,320	-1,628	-5.4%
35.8%	29,568	28,143	-1,424	-4.8%
37.0%	27,143	27,595	452	1.7%
38.3%	27,032	26,835	-197	-0.7%
39.5%	24,577	25,238	661	2.7%
40.7%	24,568	22,303	-2,265	-9.2%
42.0%	23,508	21,020	-2,488	-10.6%
43.2%	23,043	20,999	-2,043	-8.9%
44.4%	22,552	19,400	-3,152	-14.0%
45.7%	21,773	19,357	-2,416	-11.1%
46.9%	21,197	19,341	-1,856	-8.8%
48.1%	20,325	19,328	-997	-4.9%
49.4%	19,519	17,945	-1,574	-8.1%
50.6%	19,047	17,701	-1,347	-7.1%
51.9%	18,784	17,186	-1,597	-8.5%
53.1%	18,090	16,571	-1,519	-8.4%
54.3%	18,028	16,329	-1,699	-9.4%
55.6%	17,808	16,287	-1,521	-8.5%
56.8%	17,749	16,177	-1,572	-8.9%
58.0%	17,425	15,933	-1,492	-8.6%
59.3%	16,080	14,971	-1,109	-6.9%
60.5%	15,926	14,519	-1,407	-8.8%
61.7%	15,849	14,303	-1,546	-9.8%
63.0%	15,516	14,070	-1,445	-9.3%
64.2%	14,610	13,856	-754	-5.2%
65.4%	14,536	13,520	-1,016	-7.0%
66.7%	14,243	13,207	-1,036	-7.3%
67.9%	13,891	12,936	-955	-6.9%
69.1%	12,495	12,810	316	2.5%
70.4%	12,178	12,628	449	3.7%
71.6%	11,669	12,530	860	7.4%
72.8%	11,665	12,355	690	5.9%
74.1%	11,637	12,343	706	6.1%
75.3%	11,593	12,311	718	6.2%
76.5%	11,444	12,124	680	5.9%
77.8%	11,130	12,056	925	8.3%
79.0%	11,059	12,032	974	8.8%
80.2%	10,937	11,915	978	8.9%
81.5%	10,912	11,792	880	8.1%
82.7%	10,843	11,535	691	6.4%
84.0%	10,713	11,511	798	7.4%
85.2%	10,289	11,391	1,102	10.7%
86.4%	10,239	10,979	740	7.2%
87.7%	10,229	10,839	609	6.0%
88.9%	10,217	10,748	531	5.2%
90.1%	10,156	10,703	547	5.4%
91.4%	9,840	10,247	407	4.1%
92.6%	9,509	10,247	738	7.8%
93.8%	8,975	10,218	1,243	13.8%
95.1%	8,962	10,093	1,131	12.6%
96.3%	8,856	9,698	842	9.5%
97.5%	8,854	9,060	206	2.3%
98.8%	8,369	8,720	351	4.2%
100.0%	8,273	6,460	-1,813	-21.9%

Table SW-16-5b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,468	72,113	-354	-0.5%
1.2%	66,154	66,566	412	0.6%
2.5%	65,164	64,689	-475	-0.7%
3.7%	62,890	62,889	-2	0.0%
4.9%	60,471	60,179	-292	-0.5%
6.2%	60,156	59,864	-292	-0.5%
7.4%	59,962	59,775	-187	-0.3%
8.6%	59,746	59,537	-210	-0.4%
9.9%	59,569	59,468	-101	-0.2%
11.1%	58,689	58,375	-314	-0.5%
12.3%	58,133	57,533	-601	-1.0%
13.6%	57,369	56,815	-554	-1.0%
14.8%	56,117	55,773	-344	-0.6%
16.0%	55,772	55,619	-153	-0.3%
17.3%	55,519	55,455	-64	-0.1%
18.5%	54,896	54,072	-823	-1.5%
19.8%	52,352	51,373	-979	-1.9%
21.0%	49,847	49,887	41	0.1%
22.2%	49,215	47,892	-1,323	-2.7%
23.5%	48,454	47,442	-1,012	-2.1%
24.7%	44,871	45,846	975	2.2%
25.9%	43,929	43,422	-507	-1.2%
27.2%	42,987	43,060	74	0.2%
28.4%	42,519	43,027	508	1.2%
29.6%	42,409	41,305	-1,104	-2.6%
30.9%	42,397	40,851	-1,546	-3.6%
32.1%	41,728	40,789	-939	-2.2%
33.3%	41,486	40,091	-1,396	-3.4%
34.6%	41,017	39,764	-1,253	-3.1%
35.8%	40,554	39,763	-792	-2.0%
37.0%	40,214	39,508	-706	-1.8%
38.3%	39,676	38,848	-828	-2.1%
39.5%	37,562	38,195	633	1.7%
40.7%	36,607	34,823	-1,784	-4.9%
42.0%	33,680	32,511	-1,169	-3.5%
43.2%	32,515	31,484	-1,031	-3.2%
44.4%	31,855	29,544	-2,311	-7.3%
45.7%	31,822	29,412	-2,410	-7.6%
46.9%	29,172	27,455	-1,717	-5.9%
48.1%	28,899	26,965	-1,934	-6.7%
49.4%	26,830	25,063	-1,766	-6.6%
50.6%	26,563	24,539	-2,024	-7.6%
51.9%	25,250	23,565	-1,685	-6.7%
53.1%	24,612	23,527	-1,084	-4.4%
54.3%	24,586	23,102	-1,484	-6.0%
55.6%	23,530	21,434	-2,095	-8.9%
56.8%	21,906	21,360	-546	-2.5%
58.0%	21,025	21,167	142	0.7%
59.3%	21,000	19,833	-1,167	-5.6%
60.5%	20,902	19,143	-1,759	-8.4%
61.7%	20,768	18,927	-1,841	-8.9%
63.0%	20,660	18,495	-2,164	-10.5%
64.2%	18,452	17,373	-1,078	-5.8%
65.4%	18,376	16,993	-1,383	-7.5%
66.7%	18,012	16,311	-1,701	-9.4%
67.9%	17,441	16,001	-1,440	-8.3%
69.1%	15,998	15,532	-465	-2.9%
70.4%	15,461	14,761	-700	-4.5%
71.6%	14,449	14,483	35	0.2%
72.8%	14,172	14,434	262	1.8%
74.1%	14,022	13,248	-775	-5.5%
75.3%	13,968	13,138	-829	-5.9%
76.5%	13,510	12,619	-891	-6.6%
77.8%	13,257	12,608	-649	-4.9%
79.0%	12,951	12,487	-464	-3.6%
80.2%	12,600	12,108	-492	-3.9%
81.5%	12,061	11,802	-259	-2.1%
82.7%	12,021	11,672	-349	-2.9%
84.0%	11,755	11,099	-656	-5.6%
85.2%	11,652	10,882	-770	-6.6%
86.4%	11,579	10,865	-714	-6.2%
87.7%	10,754	10,836	82	0.8%
88.9%	10,594	10,678	84	0.8%
90.1%	10,242	10,644	403	3.9%
91.4%	10,061	10,539	477	4.7%
92.6%	10,011	10,524	513	5.1%
93.8%	9,587	10,227	640	6.7%
95.1%	9,174	9,815	641	7.0%
96.3%	7,894	9,214	1,320	16.7%
97.5%	7,300	8,473	1,173	16.1%
98.8%	7,196	8,002	807	11.2%
100.0%	7,145	7,358	213	3.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,020	69,020	0	0.0%
1.2%	67,784	67,302	-482	-0.7%
2.5%	62,846	62,311	-535	-0.9%
3.7%	60,526	60,220	-306	-0.5%
4.9%	59,935	59,657	-278	-0.5%
6.2%	59,029	58,885	-144	-0.2%
7.4%	58,885	58,329	-556	-0.9%
8.6%	56,288	55,372	-916	-1.6%
9.9%	55,196	54,243	-953	-1.7%
11.1%	53,009	51,501	-1,508	-2.8%
12.3%	52,729	51,413	-1,316	-2.5%
13.6%	52,645	50,768	-1,878	-3.6%
14.8%	51,481	50,020	-1,461	-2.8%
16.0%	48,607	47,764	-843	-1.7%
17.3%	47,761	46,989	-772	-1.6%
18.5%	47,686	46,619	-1,067	-2.2%
19.8%	47,084	45,183	-1,901	-4.0%
21.0%	43,472	41,237	-2,235	-5.1%
22.2%	42,480	40,934	-1,545	-3.6%
23.5%	41,370	38,439	-2,932	-7.1%
24.7%	40,719	38,349	-2,370	-5.8%
25.9%	39,344	37,976	-1,368	-3.5%
27.2%	39,138	36,344	-2,793	-7.1%
28.4%	36,506	34,672	-1,834	-5.0%
29.6%	36,360	33,403	-2,957	-8.1%
30.9%	36,184	31,943	-4,241	-11.7%
32.1%	35,730	30,710	-5,020	-14.1%
33.3%	32,804	30,645	-2,159	-6.6%
34.6%	32,475	30,071	-2,404	-7.4%
35.8%	31,123	29,903	-1,219	-3.9%
37.0%	30,698	29,551	-1,147	-3.7%
38.3%	30,632	29,158	-1,474	-4.8%
39.5%	30,209	28,981	-1,228	-4.1%
40.7%	28,606	28,752	145	0.5%
42.0%	27,915	25,918	-1,997	-7.2%
43.2%	26,733	23,339	-3,394	-12.7%
44.4%	25,243	23,212	-2,032	-8.0%
45.7%	25,089	23,193	-1,896	-7.6%
46.9%	23,630	20,629	-3,001	-12.7%
48.1%	23,262	20,536	-2,726	-11.7%
49.4%	23,162	19,793	-3,369	-14.5%
50.6%	23,043	19,533	-3,510	-15.2%
51.9%	22,820	18,669	-4,151	-18.2%
53.1%	21,105	18,540	-2,565	-12.2%
54.3%	21,095	18,451	-2,643	-12.5%
55.6%	20,277	18,337	-1,940	-9.6%
56.8%	19,996	17,407	-2,588	-12.9%
58.0%	19,975	16,716	-3,259	-16.3%
59.3%	19,812	16,333	-3,479	-17.6%
60.5%	19,507	15,975	-3,532	-18.1%
61.7%	19,216	15,949	-3,267	-17.0%
63.0%	18,715	15,408	-3,307	-17.7%
64.2%	18,557	15,383	-3,174	-17.1%
65.4%	18,211	14,618	-3,592	-19.7%
66.7%	17,748	14,609	-3,140	-17.7%
67.9%	17,045	14,452	-2,593	-15.2%
69.1%	17,036	13,712	-3,324	-19.5%
70.4%	16,498	13,611	-2,887	-17.5%
71.6%	15,937	13,141	-2,795	-17.5%
72.8%	15,635	12,829	-2,806	-17.9%
74.1%	15,151	12,768	-2,382	-15.7%
75.3%	14,592	12,335	-2,258	-15.5%
76.5%	14,212	12,245	-1,967	-13.8%
77.8%	14,081	12,019	-2,062	-14.6%
79.0%	12,843	11,836	-1,007	-7.8%
80.2%	12,476	11,668	-808	-6.5%
81.5%	12,119	11,110	-1,009	-8.3%
82.7%	11,984	11,058	-926	-7.7%
84.0%	11,375	10,848	-527	-4.6%
85.2%	11,169	10,779	-390	-3.5%
86.4%	10,581	10,586	5	0.0%
87.7%	10,540	10,416	-125	-1.2%
88.9%	10,296	9,944	-352	-3.4%
90.1%	9,636	9,813	176	1.8%
91.4%	9,394	9,221	-172	-1.8%
92.6%	9,079	8,991	-88	-1.0%
93.8%	8,493	8,807	314	3.7%
95.1%	8,323	8,440	117	1.4%
96.3%	7,846	8,404	558	7.1%
97.5%	7,501	8,304	803	10.7%
98.8%	6,926	8,051	1,125	16.2%
100.0%	6,558	6,941	384	5.8%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,606	59,129	-477	-0.8%
1.2%	56,952	56,276	-676	-1.2%
2.5%	53,968	53,975	7	0.0%
3.7%	49,215	48,890	-325	-0.7%
4.9%	48,934	48,426	-508	-1.0%
6.2%	48,893	47,542	-1,351	-2.8%
7.4%	48,425	47,320	-1,105	-2.3%
8.6%	46,353	45,015	-1,338	-2.9%
9.9%	45,645	43,708	-1,937	-4.2%
11.1%	42,911	40,157	-2,754	-6.4%
12.3%	38,249	38,379	130	0.3%
13.6%	35,500	35,148	-352	-1.0%
14.8%	34,515	34,531	15	0.0%
16.0%	34,097	32,379	-1,718	-5.0%
17.3%	33,157	30,283	-2,875	-8.7%
18.5%	32,674	30,155	-2,520	-7.7%
19.8%	32,557	29,357	-3,201	-9.8%
21.0%	30,211	27,609	-2,601	-8.6%
22.2%	29,004	27,081	-1,923	-6.6%
23.5%	28,444	25,692	-2,752	-9.7%
24.7%	26,464	24,201	-2,263	-8.5%
25.9%	22,571	22,072	-500	-2.2%
27.2%	22,081	20,178	-1,903	-8.6%
28.4%	21,461	19,569	-1,892	-8.8%
29.6%	19,562	18,386	-1,176	-6.0%
30.9%	19,273	18,245	-1,028	-5.3%
32.1%	18,209	17,828	-381	-2.1%
33.3%	18,208	17,624	-584	-3.2%
34.6%	17,828	17,610	-218	-1.2%
35.8%	17,528	16,411	-1,117	-6.4%
37.0%	16,833	15,754	-1,079	-6.4%
38.3%	16,598	15,344	-1,255	-7.6%
39.5%	16,551	15,274	-1,277	-7.7%
40.7%	16,299	15,030	-1,269	-7.8%
42.0%	15,433	14,775	-657	-4.3%
43.2%	15,241	14,533	-709	-4.6%
44.4%	14,953	14,010	-942	-6.3%
45.7%	14,749	13,923	-826	-5.6%
46.9%	14,006	13,825	-181	-1.3%
48.1%	13,819	13,820	1	0.0%
49.4%	13,599	13,602	4	0.0%
50.6%	13,499	13,499	0	0.0%
51.9%	13,219	13,304	85	0.6%
53.1%	11,828	11,846	19	0.2%
54.3%	11,699	11,763	64	0.6%
55.6%	11,482	11,713	231	2.0%
56.8%	11,473	11,475	2	0.0%
58.0%	10,804	10,815	11	0.1%
59.3%	10,618	10,650	31	0.3%
60.5%	10,600	10,602	1	0.0%
61.7%	10,559	10,562	3	0.0%
63.0%	10,456	10,519	63	0.6%
64.2%	10,407	10,461	53	0.5%
65.4%	10,367	10,373	6	0.1%
66.7%	10,350	10,251	-99	-1.0%
67.9%	10,249	10,158	-91	-0.9%
69.1%	10,051	10,012	-39	-0.4%
70.4%	10,047	9,800	-247	-2.5%
71.6%	9,995	9,756	-239	-2.4%
72.8%	9,798	9,616	-182	-1.9%
74.1%	9,762	9,551	-211	-2.2%
75.3%	9,499	9,504	5	0.1%
76.5%	9,202	9,049	-154	-1.7%
77.8%	9,116	8,990	-126	-1.4%
79.0%	9,088	8,984	-104	-1.1%
80.2%	9,042	8,959	-83	-0.9%
81.5%	9,020	8,856	-164	-1.8%
82.7%	8,959	8,851	-108	-1.2%
84.0%	8,604	8,810	207	2.4%
85.2%	8,569	8,692	123	1.4%
86.4%	8,547	8,634	87	1.0%
87.7%	8,535	8,605	70	0.8%
88.9%	8,483	8,598	115	1.4%
90.1%	8,398	8,428	29	0.3%
91.4%	8,133	8,325	192	2.4%
92.6%	7,927	7,786	-141	-1.8%
93.8%	7,886	7,700	-186	-2.4%
95.1%	7,795	7,675	-120	-1.5%
96.3%	7,677	7,649	-28	-0.4%
97.5%	7,407	7,409	1	0.0%
98.8%	7,369	7,370	1	0.0%
100.0%	7,057	6,791	-266	-3.8%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,374	48,197	-1,176	-2.4%
1.2%	47,028	44,954	-2,074	-4.4%
2.5%	44,132	44,135	3	0.0%
3.7%	41,851	41,451	-400	-1.0%
4.9%	38,526	38,153	-372	-1.0%
6.2%	36,637	36,527	-110	-0.3%
7.4%	34,792	34,684	-108	-0.3%
8.6%	34,247	32,864	-1,383	-4.0%
9.9%	33,606	31,794	-1,812	-5.4%
11.1%	31,932	31,630	-303	-0.9%
12.3%	31,887	31,405	-483	-1.5%
13.6%	31,807	30,616	-1,192	-3.7%
14.8%	31,719	29,909	-1,810	-5.7%
16.0%	27,277	27,212	-64	-0.2%
17.3%	24,594	23,190	-1,404	-5.7%
18.5%	23,256	22,528	-728	-3.1%
19.8%	23,200	21,720	-1,480	-6.4%
21.0%	21,781	20,322	-1,459	-6.7%
22.2%	20,212	19,368	-843	-4.2%
23.5%	19,306	19,008	-298	-1.5%
24.7%	19,013	18,845	-168	-0.9%
25.9%	18,752	16,894	-1,858	-9.9%
27.2%	15,944	15,949	5	0.0%
28.4%	15,194	14,297	-896	-5.9%
29.6%	14,298	14,042	-256	-1.8%
30.9%	13,762	13,465	-297	-2.2%
32.1%	13,481	13,206	-276	-2.0%
33.3%	13,337	12,838	-499	-3.7%
34.6%	13,256	12,822	-435	-3.3%
35.8%	12,906	11,671	-1,235	-9.6%
37.0%	12,821	11,643	-1,179	-9.2%
38.3%	11,671	11,576	-95	-0.8%
39.5%	11,455	11,456	2	0.0%
40.7%	11,230	11,233	3	0.0%
42.0%	10,681	10,906	225	2.1%
43.2%	10,600	10,787	187	1.8%
44.4%	10,505	10,683	178	1.7%
45.7%	10,471	10,472	2	0.0%
46.9%	10,318	10,262	-56	-0.5%
48.1%	10,258	10,254	-4	0.0%
49.4%	10,254	10,250	-4	0.0%
50.6%	10,047	10,048	2	0.0%
51.9%	9,921	9,744	-177	-1.8%
53.1%	9,817	9,682	-135	-1.4%
54.3%	9,797	9,676	-121	-1.2%
55.6%	9,679	9,661	-18	-0.2%
56.8%	9,674	9,606	-68	-0.7%
58.0%	9,616	9,580	-35	-0.4%
59.3%	9,381	9,469	87	0.9%
60.5%	9,360	9,374	14	0.2%
61.7%	9,268	9,364	96	1.0%
63.0%	9,103	9,223	120	1.3%
64.2%	8,978	9,136	158	1.8%
65.4%	8,806	9,117	311	3.5%
66.7%	8,798	9,086	288	3.3%
67.9%	8,783	9,016	233	2.7%
69.1%	8,687	8,978	290	3.3%
70.4%	8,637	8,799	161	1.9%
71.6%	8,584	8,688	104	1.2%
72.8%	8,563	8,649	86	1.0%
74.1%	8,560	8,619	59	0.7%
75.3%	8,556	8,567	11	0.1%
76.5%	8,513	8,556	43	0.5%
77.8%	8,487	8,490	3	0.0%
79.0%	8,328	8,441	113	1.4%
80.2%	8,323	8,324	1	0.0%
81.5%	7,947	8,009	62	0.8%
82.7%	7,879	7,948	68	0.9%
84.0%	7,765	7,883	118	1.5%
85.2%	7,761	7,763	2	0.0%
86.4%	7,451	7,732	281	3.8%
87.7%	7,144	7,403	259	3.6%
88.9%	6,992	7,145	153	2.2%
90.1%	6,981	6,955	-26	-0.4%
91.4%	6,953	6,777	-176	-2.5%
92.6%	6,777	6,616	-160	-2.4%
93.8%	6,629	6,355	-274	-4.1%
95.1%	6,612	6,076	-537	-8.1%
96.3%	6,297	6,019	-278	-4.4%
97.5%	6,007	5,807	-200	-3.3%
98.8%	5,614	5,659	45	0.8%
100.0%	5,530	5,562	32	0.6%

Table SW-16-5b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,597	49,541	-56	-0.1%
1.2%	37,192	37,065	-127	-0.3%
2.5%	27,160	28,388	1,228	4.5%
3.7%	27,034	27,970	937	3.5%
4.9%	25,878	26,524	646	2.5%
6.2%	25,748	26,347	599	2.3%
7.4%	24,073	26,219	2,146	8.9%
8.6%	21,010	22,098	1,088	5.2%
9.9%	19,784	19,908	125	0.6%
11.1%	18,586	18,842	255	1.4%
12.3%	18,058	18,372	314	1.7%
13.6%	17,874	18,225	351	2.0%
14.8%	16,193	16,716	524	3.2%
16.0%	15,048	15,860	811	5.4%
17.3%	14,863	15,672	809	5.4%
18.5%	14,560	15,185	625	4.3%
19.8%	14,386	14,854	468	3.3%
21.0%	13,760	14,388	628	4.6%
22.2%	13,202	13,541	339	2.6%
23.5%	13,115	13,406	291	2.2%
24.7%	13,077	13,377	300	2.3%
25.9%	12,864	13,257	393	3.1%
27.2%	12,607	13,032	424	3.4%
28.4%	12,476	12,970	494	4.0%
29.6%	12,456	12,852	396	3.2%
30.9%	12,434	12,534	100	0.8%
32.1%	12,428	12,464	36	0.3%
33.3%	12,211	12,321	110	0.9%
34.6%	11,947	12,176	230	1.9%
35.8%	11,693	12,153	460	3.9%
37.0%	11,667	12,137	470	4.0%
38.3%	11,557	12,069	512	4.4%
39.5%	11,402	12,049	647	5.7%
40.7%	11,291	12,016	725	6.4%
42.0%	11,279	12,004	726	6.4%
43.2%	11,202	11,972	770	6.9%
44.4%	11,142	11,816	675	6.1%
45.7%	11,123	11,778	655	5.9%
46.9%	11,105	11,745	640	5.8%
48.1%	11,079	11,707	628	5.7%
49.4%	11,034	11,623	589	5.3%
50.6%	10,879	11,324	445	4.1%
51.9%	10,867	11,276	409	3.8%
53.1%	10,836	11,176	340	3.1%
54.3%	10,773	11,109	336	3.1%
55.6%	10,488	11,104	617	5.9%
56.8%	10,315	11,067	752	7.3%
58.0%	10,150	11,026	876	8.6%
59.3%	10,146	10,920	775	7.6%
60.5%	9,982	10,917	935	9.4%
61.7%	9,931	10,899	967	9.7%
63.0%	9,802	10,865	1,064	10.9%
64.2%	9,799	10,750	951	9.7%
65.4%	9,782	10,672	890	9.1%
66.7%	9,747	10,605	858	8.8%
67.9%	9,741	10,409	668	6.9%
69.1%	9,717	10,401	685	7.0%
70.4%	9,649	10,351	703	7.3%
71.6%	9,610	10,272	662	6.9%
72.8%	9,597	10,226	629	6.5%
74.1%	9,570	10,093	523	5.5%
75.3%	9,543	10,046	503	5.3%
76.5%	9,542	10,004	462	4.8%
77.8%	9,494	9,987	493	5.2%
79.0%	9,386	9,928	542	5.8%
80.2%	9,249	9,895	646	7.0%
81.5%	9,213	9,796	583	6.3%
82.7%	9,192	9,712	520	5.7%
84.0%	9,182	9,709	527	5.7%
85.2%	9,081	9,522	442	4.9%
86.4%	8,637	9,402	765	8.9%
87.7%	8,500	9,114	615	7.2%
88.9%	8,426	9,053	627	7.4%
90.1%	8,356	8,859	503	6.0%
91.4%	8,324	8,841	517	6.2%
92.6%	8,310	8,800	490	5.9%
93.8%	8,310	8,785	475	5.7%
95.1%	8,182	8,738	556	6.8%
96.3%	8,106	8,335	228	2.8%
97.5%	7,993	8,203	210	2.6%
98.8%	7,937	7,715	-222	-2.8%
100.0%	7,710	7,498	-212	-2.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,895	22,071	2,175	10.9%
1.2%	19,581	22,044	2,463	12.6%
2.5%	19,550	21,968	2,418	12.4%
3.7%	19,485	21,938	2,453	12.6%
4.9%	19,277	21,932	2,655	13.8%
6.2%	19,142	21,891	2,749	14.4%
7.4%	18,832	21,378	2,546	13.5%
8.6%	18,797	21,221	2,424	12.9%
9.9%	18,797	21,217	2,420	12.9%
11.1%	18,720	20,863	2,143	11.4%
12.3%	18,688	20,625	1,938	10.4%
13.6%	18,654	20,608	1,954	10.5%
14.8%	18,511	20,606	2,095	11.3%
16.0%	18,504	20,540	2,036	11.0%
17.3%	18,498	20,321	1,823	9.9%
18.5%	18,431	20,201	1,770	9.6%
19.8%	18,184	20,191	2,007	11.0%
21.0%	18,165	20,025	1,860	10.2%
22.2%	18,121	20,005	1,884	10.4%
23.5%	18,016	19,825	1,808	10.0%
24.7%	17,907	19,466	1,559	8.7%
25.9%	17,884	19,313	1,429	8.0%
27.2%	17,880	19,271	1,391	7.8%
28.4%	17,774	19,211	1,437	8.1%
29.6%	17,692	19,189	1,497	8.5%
30.9%	17,589	19,111	1,522	8.7%
32.1%	17,522	19,025	1,502	8.6%
33.3%	17,502	18,915	1,413	8.1%
34.6%	17,378	18,757	1,379	7.9%
35.8%	17,322	18,654	1,331	7.7%
37.0%	17,288	18,482	1,194	6.9%
38.3%	17,248	18,475	1,226	7.1%
39.5%	17,061	18,409	1,348	7.9%
40.7%	17,027	18,012	984	5.8%
42.0%	16,684	17,931	1,246	7.5%
43.2%	16,596	17,920	1,324	8.0%
44.4%	16,535	17,878	1,343	8.1%
45.7%	16,470	17,859	1,389	8.4%
46.9%	16,415	17,839	1,424	8.7%
48.1%	16,324	17,771	1,447	8.9%
49.4%	16,308	17,719	1,411	8.7%
50.6%	16,236	17,643	1,407	8.7%
51.9%	16,209	17,607	1,398	8.6%
53.1%	16,189	17,570	1,381	8.5%
54.3%	16,153	17,494	1,342	8.3%
55.6%	16,088	17,386	1,297	8.1%
56.8%	15,949	17,321	1,372	8.6%
58.0%	15,885	17,119	1,234	7.8%
59.3%	15,807	16,894	1,087	6.9%
60.5%	15,652	16,811	1,159	7.4%
61.7%	15,378	16,323	945	6.1%
63.0%	15,259	16,289	1,029	6.7%
64.2%	15,239	16,125	885	5.8%
65.4%	15,166	16,108	942	6.2%
66.7%	15,141	16,033	892	5.9%
67.9%	15,134	16,027	893	5.9%
69.1%	15,057	16,015	958	6.4%
70.4%	14,860	15,484	624	4.2%
71.6%	14,841	15,470	628	4.2%
72.8%	14,818	15,448	630	4.3%
74.1%	14,739	14,860	121	0.8%
75.3%	14,526	14,850	324	2.2%
76.5%	14,511	14,584	73	0.5%
77.8%	14,003	14,515	512	3.7%
79.0%	13,950	14,498	547	3.9%
80.2%	13,945	14,335	391	2.8%
81.5%	13,927	14,319	392	2.8%
82.7%	13,850	14,299	449	3.2%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,242	378	2.9%
86.4%	12,049	13,237	1,188	9.9%
87.7%	11,919	13,138	1,219	10.2%
88.9%	11,864	12,877	1,013	8.5%
90.1%	11,737	12,775	1,038	8.8%
91.4%	11,273	11,959	686	6.1%
92.6%	11,216	11,216	0	0.0%
93.8%	10,842	11,206	364	3.4%
95.1%	10,764	11,012	248	2.3%
96.3%	10,409	10,922	513	4.9%
97.5%	10,264	10,808	544	5.3%
98.8%	8,516	10,537	2,021	23.7%
100.0%	7,219	9,601	2,383	33.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,892	18,350	458	2.6%
1.2%	17,838	18,339	501	2.8%
2.5%	17,235	18,124	890	5.2%
3.7%	16,949	17,679	730	4.3%
4.9%	16,030	17,630	1,599	10.0%
6.2%	15,647	17,158	1,510	9.7%
7.4%	15,546	17,022	1,477	9.5%
8.6%	15,479	16,993	1,513	9.8%
9.9%	15,472	16,949	1,477	9.5%
11.1%	15,434	16,930	1,496	9.7%
12.3%	15,180	16,826	1,647	10.8%
13.6%	14,976	16,691	1,715	11.5%
14.8%	14,783	16,667	1,883	12.7%
16.0%	14,692	16,571	1,879	12.8%
17.3%	14,636	16,321	1,685	11.5%
18.5%	14,592	16,068	1,476	10.1%
19.8%	14,572	15,842	1,270	8.7%
21.0%	14,453	15,793	1,340	9.3%
22.2%	14,382	15,555	1,173	8.2%
23.5%	14,100	15,402	1,301	9.2%
24.7%	14,086	15,362	1,276	9.1%
25.9%	14,057	15,151	1,094	7.8%
27.2%	13,977	15,029	1,052	7.5%
28.4%	13,953	15,011	1,058	7.6%
29.6%	13,783	15,008	1,225	8.9%
30.9%	13,778	14,829	1,050	7.6%
32.1%	13,716	14,762	1,046	7.6%
33.3%	13,709	14,624	915	6.7%
34.6%	13,662	14,335	673	4.9%
35.8%	13,657	14,093	436	3.2%
37.0%	13,510	14,003	493	3.6%
38.3%	13,509	13,927	418	3.1%
39.5%	13,473	13,900	427	3.2%
40.7%	13,433	13,848	415	3.1%
42.0%	13,413	13,838	425	3.2%
43.2%	13,398	13,795	397	3.0%
44.4%	13,371	13,736	364	2.7%
45.7%	13,300	13,678	377	2.8%
46.9%	13,205	13,676	471	3.6%
48.1%	13,149	13,544	396	3.0%
49.4%	13,145	13,480	335	2.5%
50.6%	13,065	13,467	402	3.1%
51.9%	12,905	13,413	509	3.9%
53.1%	12,734	13,065	331	2.6%
54.3%	12,727	12,902	176	1.4%
55.6%	12,558	12,721	162	1.3%
56.8%	12,300	12,528	229	1.9%
58.0%	12,298	12,508	210	1.7%
59.3%	12,259	12,345	86	0.7%
60.5%	12,234	12,099	-134	-1.1%
61.7%	12,061	12,095	34	0.3%
63.0%	12,019	12,037	18	0.1%
64.2%	11,964	11,910	-55	-0.5%
65.4%	11,954	11,823	-130	-1.1%
66.7%	11,907	11,808	-99	-0.8%
67.9%	11,620	11,480	-140	-1.2%
69.1%	11,521	11,395	-126	-1.1%
70.4%	11,343	11,356	14	0.1%
71.6%	11,208	11,341	133	1.2%
72.8%	11,152	11,273	121	1.1%
74.1%	11,137	11,258	121	1.1%
75.3%	10,933	11,077	144	1.3%
76.5%	10,726	11,025	300	2.8%
77.8%	10,596	10,934	338	3.2%
79.0%	10,540	10,697	157	1.5%
80.2%	10,369	10,696	327	3.2%
81.5%	10,290	10,592	302	2.9%
82.7%	10,279	10,371	91	0.9%
84.0%	10,124	10,122	-1	0.0%
85.2%	9,343	10,118	776	8.3%
86.4%	9,282	9,882	601	6.5%
87.7%	8,927	9,872	945	10.6%
88.9%	8,453	9,828	1,375	16.3%
90.1%	8,145	9,582	1,437	17.6%
91.4%	7,859	9,402	1,543	19.6%
92.6%	7,351	9,347	1,996	27.2%
93.8%	7,146	8,921	1,775	24.8%
95.1%	7,020	8,762	1,742	24.8%
96.3%	6,652	8,538	1,886	28.3%
97.5%	6,155	7,278	1,122	18.2%
98.8%	6,110	6,900	791	12.9%
100.0%	5,625	5,739	113	2.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,918	26,957	39	0.1%
1.2%	26,415	26,627	211	0.8%
2.5%	26,249	26,618	368	1.4%
3.7%	26,112	26,422	310	1.2%
4.9%	25,778	26,327	549	2.1%
6.2%	25,583	26,197	615	2.4%
7.4%	25,062	26,027	965	3.8%
8.6%	24,988	25,817	829	3.3%
9.9%	24,860	25,806	945	3.8%
11.1%	24,806	25,791	985	4.0%
12.3%	24,764	25,485	721	2.9%
13.6%	24,458	25,459	1,002	4.1%
14.8%	24,124	25,359	1,235	5.1%
16.0%	24,123	25,256	1,133	4.7%
17.3%	23,696	24,906	1,209	5.1%
18.5%	23,204	24,889	1,685	7.3%
19.8%	22,470	24,809	2,338	10.4%
21.0%	21,907	24,681	2,774	12.7%
22.2%	21,497	24,539	3,042	14.2%
23.5%	21,290	24,484	3,193	15.0%
24.7%	20,678	24,004	3,327	16.1%
25.9%	20,239	21,530	1,291	6.4%
27.2%	20,207	21,115	908	4.5%
28.4%	19,554	19,705	151	0.8%
29.6%	18,825	19,295	470	2.5%
30.9%	18,776	19,271	495	2.6%
32.1%	18,626	19,113	487	2.6%
33.3%	18,487	19,031	544	2.9%
34.6%	18,279	18,543	264	1.4%
35.8%	17,637	18,366	729	4.1%
37.0%	17,575	18,358	783	4.5%
38.3%	17,542	18,212	669	3.8%
39.5%	17,405	18,133	728	4.2%
40.7%	17,195	17,807	611	3.6%
42.0%	15,549	17,686	2,137	13.7%
43.2%	15,092	17,575	2,483	16.4%
44.4%	14,175	16,595	2,420	17.1%
45.7%	12,552	14,914	2,362	18.8%
46.9%	12,409	13,856	1,447	11.7%
48.1%	12,374	13,280	906	7.3%
49.4%	12,143	12,855	712	5.9%
50.6%	11,310	12,551	1,241	11.0%
51.9%	11,306	12,390	1,084	9.6%
53.1%	11,060	12,377	1,317	11.9%
54.3%	10,888	12,116	1,229	11.3%
55.6%	10,883	12,060	1,177	10.8%
56.8%	10,728	12,013	1,285	12.0%
58.0%	10,708	11,934	1,226	11.5%
59.3%	10,676	11,887	1,211	11.3%
60.5%	10,487	11,774	1,287	12.3%
61.7%	10,419	11,751	1,332	12.8%
63.0%	10,364	11,716	1,352	13.0%
64.2%	10,294	11,578	1,283	12.5%
65.4%	9,970	11,300	1,330	13.3%
66.7%	9,840	11,298	1,458	14.8%
67.9%	9,687	11,094	1,407	14.5%
69.1%	9,560	11,042	1,482	15.5%
70.4%	9,490	11,002	1,512	15.9%
71.6%	9,482	10,941	1,460	15.4%
72.8%	9,383	10,917	1,534	16.4%
74.1%	9,113	10,858	1,745	19.2%
75.3%	8,971	10,810	1,839	20.5%
76.5%	8,941	10,559	1,618	18.1%
77.8%	8,773	10,384	1,611	18.4%
79.0%	8,592	10,355	1,763	20.5%
80.2%	8,495	10,243	1,748	20.6%
81.5%	8,423	10,156	1,733	20.6%
82.7%	8,361	9,925	1,564	18.7%
84.0%	8,264	9,906	1,642	19.9%
85.2%	7,553	9,825	2,272	30.1%
86.4%	7,509	9,283	1,774	23.6%
87.7%	7,482	8,980	1,498	20.0%
88.9%	7,350	8,763	1,413	19.2%
90.1%	7,118	8,689	1,571	22.1%
91.4%	6,915	8,612	1,697	24.5%
92.6%	6,864	7,902	1,038	15.1%
93.8%	6,785	7,561	776	11.4%
95.1%	6,641	6,850	210	3.2%
96.3%	6,398	6,767	370	5.8%
97.5%	6,288	6,647	359	5.7%
98.8%	6,261	6,628	367	5.9%
100.0%	4,458	6,615	2,158	48.4%

Table SW-17-5a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,172	15,682	23,091	31,365	36,579	32,466	23,227	19,060	16,650	19,620	15,164	17,563
Alternative B	11,892	16,629	22,936	30,824	35,946	30,822	22,669	18,810	17,138	20,657	15,980	18,711
Difference	720	947	-155	-541	-633	-1,644	-558	-251	488	1,037	815	1,148
Percent Difference[3]	6.4%	6.0%	-0.7%	-1.7%	-1.7%	-5.1%	-2.4%	-1.3%	2.9%	5.3%	5.4%	6.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,338	20,484	25,564	50,411	56,680	49,433	37,987	31,825	23,961	20,124	16,085	27,628
Alternative B	14,670	21,468	24,942	49,992	56,032	48,157	37,093	31,320	24,683	21,215	16,277	28,479
Difference	1,332	984	-623	-419	-647	-1,276	-894	-505	722	1,091	192	851
Percent Difference	10.0%	4.8%	-2.4%	-0.8%	-1.1%	-2.6%	-2.4%	-1.6%	3.0%	5.4%	1.2%	3.1%
Above Normal (15%)												
No Action Alternative	11,935	17,421	24,224	38,198	44,607	43,898	26,018	20,801	16,641	22,067	16,588	20,659
Alternative B	12,632	18,923	23,381	37,067	43,517	41,855	25,125	20,170	17,210	23,674	17,005	21,677
Difference	697	1,503	-843	-1,132	-1,090	-2,043	-893	-630	569	1,608	417	1,018
Percent Difference	5.8%	8.6%	-3.5%	-3.0%	-2.4%	-4.7%	-3.4%	-3.0%	3.4%	7.3%	2.5%	4.9%
Below Normal (17%)												
No Action Alternative	11,731	16,232	27,522	22,823	30,766	23,248	17,458	14,007	13,725	21,453	15,848	12,256
Alternative B	12,262	17,307	28,320	21,753	30,451	20,575	17,068	13,839	14,194	22,317	16,316	13,329
Difference	531	1,075	798	-1,070	-315	-2,673	-390	-169	469	864	468	1,073
Percent Difference	4.5%	6.6%	2.9%	-4.7%	-1.0%	-11.5%	-2.2%	-1.2%	3.4%	4.0%	3.0%	8.8%
Dry (22%)												
No Action Alternative	9,495	12,396	22,286	17,254	21,222	20,408	13,167	10,883	12,636	19,263	15,856	11,256
Alternative B	9,611	13,372	22,722	17,004	20,524	18,340	12,734	10,954	12,725	20,327	17,458	12,830
Difference	116	977	437	-250	-698	-2,068	-433	71	89	1,064	1,603	1,574
Percent Difference	1.2%	7.9%	2.0%	-1.4%	-3.3%	-10.1%	-3.3%	0.6%	0.7%	5.5%	10.1%	14.0%
Critical (15%)												
No Action Alternative	7,580	7,826	12,634	14,400	14,816	13,115	10,275	7,824	10,256	14,478	9,913	8,310
Alternative B	8,122	7,944	12,183	14,368	14,395	12,906	10,400	7,927	10,774	14,990	11,701	9,680
Difference	543	117	-451	-32	-421	-209	125	102	518	512	1,788	1,370
Percent Difference	7.2%	1.5%	-3.6%	-0.2%	-2.8%	-1.6%	1.2%	1.3%	5.1%	3.5%	18.0%	16.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-17-5b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

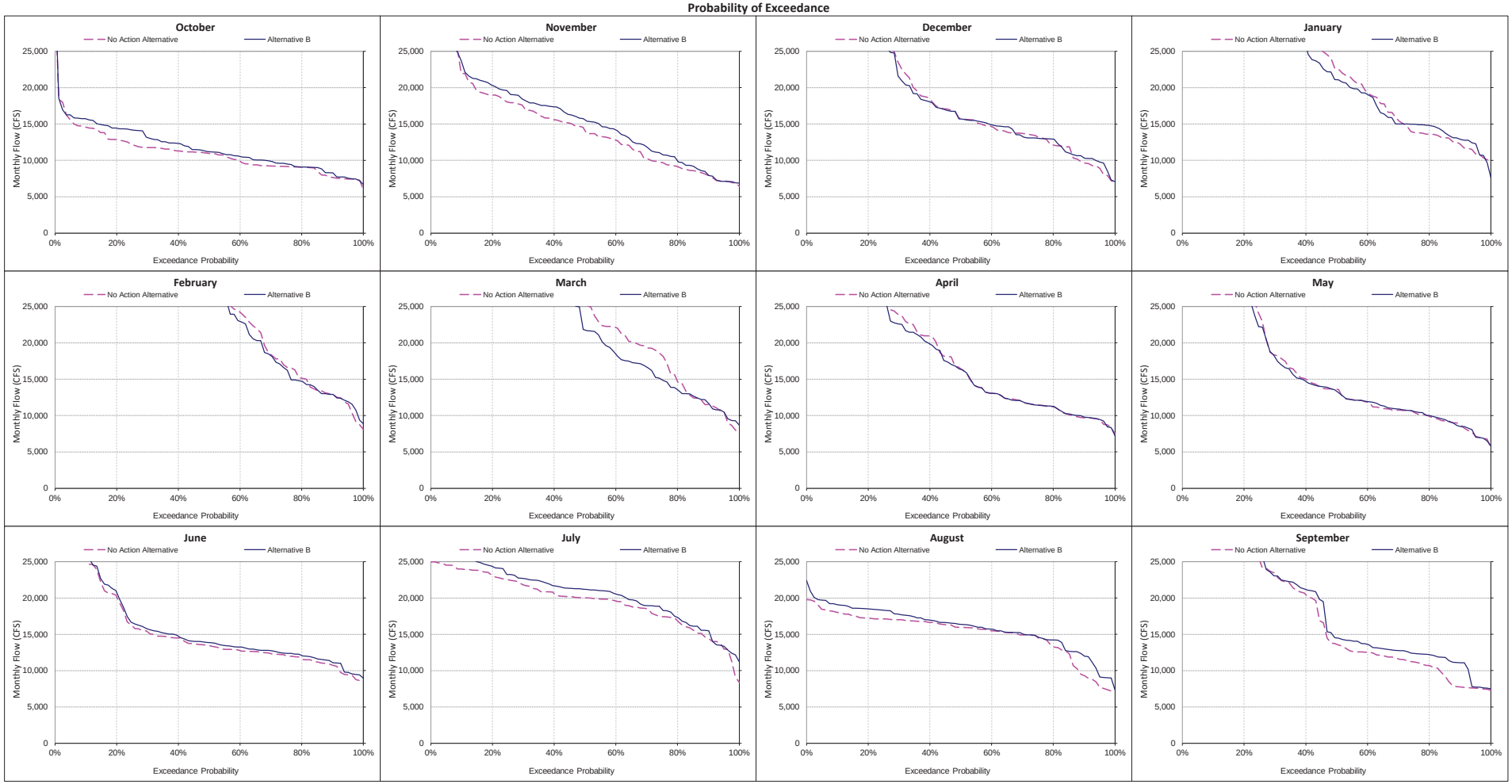

Table SW-17-5b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,173	34,571	1,398	4.2%
1.2%	18,408	18,572	164	0.9%
2.5%	18,000	16,953	-1,046	-5.8%
3.7%	16,227	16,261	35	0.2%
4.9%	15,586	16,261	675	4.3%
6.2%	14,995	15,857	861	5.7%
7.4%	14,765	15,802	1,038	7.0%
8.6%	14,742	15,752	1,010	6.9%
9.9%	14,603	15,747	1,144	7.8%
11.1%	14,455	15,574	1,120	7.7%
12.3%	14,410	15,504	1,094	7.6%
13.6%	14,237	15,038	802	5.6%
14.8%	13,836	14,952	1,115	8.1%
16.0%	13,810	14,828	1,018	7.4%
17.3%	12,912	14,768	1,856	14.4%
18.5%	12,892	14,466	1,574	12.2%
19.8%	12,887	14,447	1,560	12.1%
21.0%	12,760	14,355	1,595	12.5%
22.2%	12,683	14,347	1,664	13.1%
23.5%	12,516	14,326	1,810	14.5%
24.7%	12,245	14,189	1,944	15.9%
25.9%	12,026	14,129	2,103	17.5%
27.2%	11,856	14,096	2,240	18.9%
28.4%	11,789	14,050	2,260	19.2%
29.6%	11,775	13,184	1,409	12.0%
30.9%	11,772	13,028	1,256	10.7%
32.1%	11,771	12,877	1,106	9.4%
33.3%	11,726	12,845	1,120	9.5%
34.6%	11,640	12,574	934	8.0%
35.8%	11,549	12,549	1,000	8.7%
37.0%	11,538	12,394	856	7.4%
38.3%	11,418	12,387	970	8.5%
39.5%	11,318	12,355	1,037	9.2%
40.7%	11,257	12,287	1,030	9.1%
42.0%	11,200	12,015	815	7.3%
43.2%	11,169	11,894	725	6.5%
44.4%	11,152	11,480	328	2.9%
45.7%	11,141	11,477	335	3.0%
46.9%	11,138	11,445	307	2.8%
48.1%	11,063	11,330	267	2.4%
49.4%	11,002	11,201	199	1.8%
50.6%	10,936	11,172	236	2.2%
51.9%	10,918	11,141	224	2.0%
53.1%	10,755	11,097	342	3.2%
54.3%	10,748	10,918	170	1.6%
55.6%	10,460	10,779	319	3.1%
56.8%	10,290	10,775	485	4.7%
58.0%	10,109	10,657	548	5.4%
59.3%	10,108	10,623	515	5.1%
60.5%	9,696	10,480	784	8.1%
61.7%	9,531	10,442	911	9.6%
63.0%	9,482	10,404	922	9.7%
64.2%	9,400	10,086	686	7.3%
65.4%	9,396	10,055	660	7.0%
66.7%	9,281	10,051	770	8.3%
67.9%	9,271	10,020	749	8.1%
69.1%	9,239	9,951	713	7.7%
70.4%	9,229	9,858	629	6.8%
71.6%	9,207	9,634	427	4.6%
72.8%	9,182	9,602	419	4.6%
74.1%	9,164	9,583	419	4.6%
75.3%	9,149	9,489	340	3.7%
76.5%	9,123	9,414	291	3.2%
77.8%	9,112	9,149	37	0.4%
79.0%	9,077	9,122	45	0.5%
80.2%	9,066	9,121	55	0.6%
81.5%	9,024	9,077	52	0.6%
82.7%	8,995	9,041	47	0.5%
84.0%	8,973	9,024	51	0.6%
85.2%	8,442	8,995	552	6.5%
86.4%	8,003	8,835	831	10.4%
87.7%	7,942	8,325	383	4.8%
88.9%	7,702	8,295	593	7.7%
90.1%	7,655	8,286	631	8.2%
91.4%	7,535	7,723	188	2.5%
92.6%	7,496	7,710	214	2.9%
93.8%	7,471	7,709	238	3.2%
95.1%	7,439	7,550	111	1.5%
96.3%	7,435	7,471	36	0.5%
97.5%	7,417	7,442	25	0.3%
98.8%	7,254	7,192	-62	-0.9%
100.0%	5,947	6,678	731	12.3%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,737	54,556	-181	-0.3%
1.2%	48,575	47,424	-1,151	-2.4%
2.5%	47,715	46,973	-742	-1.6%
3.7%	36,242	34,737	-1,504	-4.2%
4.9%	32,262	33,737	1,475	4.6%
6.2%	26,903	26,279	-624	-2.3%
7.4%	25,756	25,843	87	0.3%
8.6%	25,325	24,933	-393	-1.6%
9.9%	21,956	23,750	1,794	8.2%
11.1%	21,954	22,112	159	0.7%
12.3%	20,776	21,612	836	4.0%
13.6%	20,598	21,277	679	3.3%
14.8%	19,626	21,204	1,579	8.0%
16.0%	19,369	21,014	1,644	8.5%
17.3%	19,239	20,875	1,636	8.5%
18.5%	19,052	20,712	1,660	8.7%
19.8%	18,997	20,353	1,356	7.1%
21.0%	18,984	20,128	1,144	6.0%
22.2%	18,774	19,815	1,041	5.5%
23.5%	18,396	19,680	1,284	7.0%
24.7%	18,035	19,606	1,571	8.7%
25.9%	17,954	19,062	1,108	6.2%
27.2%	17,950	19,009	1,060	5.9%
28.4%	17,754	18,958	1,204	6.8%
29.6%	17,626	18,464	838	4.8%
30.9%	16,889	18,194	1,305	7.7%
32.1%	16,881	17,910	1,029	6.1%
33.3%	16,769	17,901	1,132	6.8%
34.6%	16,441	17,719	1,279	7.8%
35.8%	16,074	17,559	1,485	9.2%
37.0%	15,845	17,551	1,706	10.8%
38.3%	15,815	17,469	1,653	10.5%
39.5%	15,602	17,391	1,790	11.5%
40.7%	15,550	17,359	1,809	11.6%
42.0%	15,404	17,096	1,693	11.0%
43.2%	15,224	16,652	1,428	9.4%
44.4%	15,197	16,351	1,155	7.6%
45.7%	15,052	16,227	1,176	7.8%
46.9%	14,715	16,046	1,331	9.0%
48.1%	14,682	15,799	1,117	7.6%
49.4%	14,551	15,757	1,206	8.3%
50.6%	13,676	15,405	1,730	12.6%
51.9%	13,674	15,325	1,651	12.1%
53.1%	13,669	15,256	1,587	11.6%
54.3%	13,255	15,083	1,827	13.8%
55.6%	13,247	14,628	1,381	10.4%
56.8%	13,201	14,580	1,379	10.4%
58.0%	13,050	14,397	1,347	10.3%
59.3%	12,886	14,331	1,445	11.2%
60.5%	12,707	14,053	1,346	10.6%
61.7%	12,187	13,580	1,393	11.4%
63.0%	12,171	13,402	1,232	10.1%
64.2%	12,062	13,075	1,013	8.4%
65.4%	11,505	12,532	1,026	8.9%
66.7%	11,222	12,310	1,088	9.7%
67.9%	11,186	12,276	1,090	9.7%
69.1%	10,272	12,122	1,850	18.0%
70.4%	10,200	11,716	1,516	14.9%
71.6%	9,958	11,286	1,328	13.3%
72.8%	9,863	11,128	1,265	12.8%
74.1%	9,763	11,048	1,286	13.2%
75.3%	9,683	10,758	1,076	11.1%
76.5%	9,385	10,713	1,328	14.2%
77.8%	9,339	10,542	1,203	12.9%
79.0%	9,252	10,499	1,247	13.5%
80.2%	9,101	9,774	673	7.4%
81.5%	8,849	9,699	850	9.6%
82.7%	8,761	9,318	558	6.4%
84.0%	8,625	9,313	688	8.0%
85.2%	8,582	9,170	587	6.8%
86.4%	8,476	8,837	361	4.3%
87.7%	8,322	8,594	272	3.3%
88.9%	8,130	8,476	347	4.3%
90.1%	7,873	7,920	47	0.6%
91.4%	7,613	7,804	191	2.5%
92.6%	7,222	7,284	62	0.9%
93.8%	7,180	7,126	-54	-0.8%
95.1%	7,147	7,121	-26	-0.4%
96.3%	7,126	7,092	-34	-0.5%
97.5%	6,929	7,089	161	2.3%
98.8%	6,888	6,929	41	0.6%
100.0%	6,442	6,888	446	6.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,389	76,401	12	0.0%
1.2%	75,019	74,767	-252	-0.3%
2.5%	68,488	67,037	-1,451	-2.1%
3.7%	59,787	59,600	-187	-0.3%
4.9%	58,754	59,176	422	0.7%
6.2%	57,801	57,778	-22	0.0%
7.4%	50,442	49,945	-497	-1.0%
8.6%	50,083	49,883	-200	-0.4%
9.9%	49,647	49,104	-543	-1.1%
11.1%	48,048	47,459	-589	-1.2%
12.3%	44,685	44,186	-499	-1.1%
13.6%	43,096	39,528	-3,568	-8.3%
14.8%	40,888	39,329	-1,559	-3.8%
16.0%	36,649	38,777	2,129	5.8%
17.3%	35,052	38,200	3,149	9.0%
18.5%	34,993	35,811	818	2.3%
19.8%	34,964	35,138	174	0.5%
21.0%	33,588	32,252	-1,336	-4.0%
22.2%	33,238	29,845	-3,392	-10.2%
23.5%	28,695	26,483	-2,213	-7.7%
24.7%	27,977	26,345	-1,632	-5.8%
25.9%	26,253	25,507	-746	-2.8%
27.2%	25,446	24,845	-601	-2.4%
28.4%	24,999	24,777	-222	-0.9%
29.6%	23,549	21,589	-1,960	-8.3%
30.9%	22,583	20,957	-1,626	-7.2%
32.1%	21,928	20,384	-1,543	-7.0%
33.3%	21,356	20,265	-1,091	-5.1%
34.6%	20,069	19,200	-869	-4.3%
35.8%	19,577	19,167	-409	-2.1%
37.0%	18,886	18,377	-509	-2.7%
38.3%	18,768	18,268	-500	-2.7%
39.5%	18,634	18,120	-514	-2.8%
40.7%	18,050	17,905	-144	-0.8%
42.0%	17,481	17,311	-170	-1.0%
43.2%	17,257	17,186	-71	-0.4%
44.4%	17,098	17,027	-70	-0.4%
45.7%	17,053	16,866	-187	-1.1%
46.9%	16,897	16,762	-135	-0.8%
48.1%	16,744	16,760	15	0.1%
49.4%	15,855	15,720	-135	-0.9%
50.6%	15,692	15,662	-30	-0.2%
51.9%	15,643	15,578	-65	-0.4%
53.1%	15,616	15,512	-103	-0.7%
54.3%	15,576	15,497	-79	-0.5%
55.6%	15,101	15,399	298	2.0%
56.8%	14,987	15,294	306	2.0%
58.0%	14,775	15,179	404	2.7%
59.3%	14,771	14,968	197	1.3%
60.5%	14,567	14,823	257	1.8%
61.7%	14,165	14,745	580	4.1%
63.0%	14,127	14,697	570	4.0%
64.2%	14,019	14,630	611	4.4%
65.4%	13,834	14,609	775	5.6%
66.7%	13,778	14,298	520	3.8%
67.9%	13,764	13,557	-207	-1.5%
69.1%	13,761	13,516	-245	-1.8%
70.4%	13,669	13,192	-476	-3.5%
71.6%	13,640	13,102	-538	-3.9%
72.8%	13,490	13,085	-405	-3.0%
74.1%	13,435	13,085	-351	-2.6%
75.3%	13,125	13,006	-118	-0.9%
76.5%	13,056	12,992	-64	-0.5%
77.8%	12,887	12,968	82	0.6%
79.0%	12,187	12,942	755	6.2%
80.2%	12,091	12,914	823	6.8%
81.5%	12,022	12,277	255	2.1%
82.7%	11,961	11,842	-119	-1.0%
84.0%	11,869	11,159	-710	-6.0%
85.2%	11,858	10,987	-872	-7.4%
86.4%	10,333	10,778	445	4.3%
87.7%	10,192	10,660	467	4.6%
88.9%	9,843	10,638	795	8.1%
90.1%	9,621	10,288	667	6.9%
91.4%	9,579	10,265	686	7.2%
92.6%	9,289	10,245	955	10.3%
93.8%	9,264	9,969	705	7.6%
95.1%	8,882	9,765	883	9.9%
96.3%	8,022	9,641	1,619	20.2%
97.5%	7,909	8,545	636	8.0%
98.8%	7,206	7,312	106	1.5%
100.0%	7,056	7,073	17	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,032	78,113	81	0.1%
1.2%	76,980	76,960	-20	0.0%
2.5%	75,120	74,644	-476	-0.6%
3.7%	72,485	72,488	3	0.0%
4.9%	70,918	70,645	-273	-0.4%
6.2%	68,682	67,033	-1,649	-2.4%
7.4%	65,369	64,551	-818	-1.3%
8.6%	63,337	63,246	-91	-0.1%
9.9%	62,358	62,532	174	0.3%
11.1%	62,111	61,896	-215	-0.3%
12.3%	59,071	58,247	-823	-1.4%
13.6%	58,883	57,422	-1,461	-2.5%
14.8%	58,606	57,398	-1,208	-2.1%
16.0%	58,555	57,291	-1,264	-2.2%
17.3%	57,434	57,035	-399	-0.7%
18.5%	56,890	55,983	-907	-1.6%
19.8%	55,475	55,130	-345	-0.6%
21.0%	55,336	53,967	-1,369	-2.5%
22.2%	48,320	47,557	-764	-1.6%
23.5%	47,301	47,304	3	0.0%
24.7%	46,762	45,813	-949	-2.0%
25.9%	46,322	44,174	-2,148	-4.6%
27.2%	45,288	42,900	-2,388	-5.3%
28.4%	42,879	41,876	-1,004	-2.3%
29.6%	42,639	38,637	-4,002	-9.4%
30.9%	38,630	38,423	-207	-0.5%
32.1%	38,259	35,933	-2,326	-6.1%
33.3%	36,857	35,431	-1,426	-3.9%
34.6%	36,738	35,216	-1,522	-4.1%
35.8%	31,543	31,903	360	1.1%
37.0%	30,792	31,335	543	1.8%
38.3%	27,650	27,357	-294	-1.1%
39.5%	26,809	26,878	69	0.3%
40.7%	26,767	24,600	-2,167	-8.1%
42.0%	26,687	23,882	-2,805	-10.5%
43.2%	25,572	23,686	-1,886	-7.4%
44.4%	25,473	23,371	-2,103	-8.3%
45.7%	24,903	22,587	-2,316	-9.3%
46.9%	24,545	22,187	-2,357	-9.6%
48.1%	24,044	22,173	-1,871	-7.8%
49.4%	22,653	21,132	-1,521	-6.7%
50.6%	22,532	21,094	-1,437	-6.4%
51.9%	21,971	20,758	-1,212	-5.5%
53.1%	21,683	20,632	-1,051	-4.8%
54.3%	21,491	20,035	-1,456	-6.8%
55.6%	20,936	19,843	-1,093	-5.2%
56.8%	20,559	19,832	-726	-3.5%
58.0%	20,529	19,288	-1,241	-6.0%
59.3%	19,623	19,282	-340	-1.7%
60.5%	19,118	18,958	-160	-0.8%
61.7%	18,833	18,667	-166	-0.9%
63.0%	18,683	17,533	-1,150	-6.2%
64.2%	17,841	16,568	-1,274	-7.1%
65.4%	17,771	16,369	-1,403	-7.9%
66.7%	16,596	15,917	-680	-4.1%
67.9%	16,596	15,891	-705	-4.2%
69.1%	15,892	15,020	-872	-5.5%
70.4%	15,369	15,016	-353	-2.3%
71.6%	15,026	15,011	-16	-0.1%
72.8%	14,694	14,997	303	2.1%
74.1%	13,951	14,975	1,025	7.3%
75.3%	13,831	14,969	1,138	8.2%
76.5%	13,793	14,908	1,116	8.1%
77.8%	13,760	14,898	1,138	8.3%
79.0%	13,618	14,833	1,215	8.9%
80.2%	13,585	14,802	1,217	9.0%
81.5%	13,577	14,653	1,076	7.9%
82.7%	13,426	14,484	1,058	7.9%
84.0%	13,173	14,179	1,006	7.6%
85.2%	13,123	13,768	645	4.9%
86.4%	13,059	13,415	356	2.7%
87.7%	12,553	13,137	584	4.7%
88.9%	12,528	13,082	554	4.4%
90.1%	12,229	12,891	663	5.4%
91.4%	11,690	12,772	1,082	9.3%
92.6%	11,657	12,770	1,114	9.6%
93.8%	11,534	12,442	909	7.9%
95.1%	10,892	12,271	1,379	12.7%
96.3%	10,810	10,767	-43	-0.4%
97.5%	10,351	10,686	334	3.2%
98.8%	10,074	9,667	-407	-4.0%
100.0%	9,911	7,584	-2,328	-23.5%

Table SW-17-5b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,789	-5	0.0%
1.2%	74,223	74,221	-2	0.0%
2.5%	73,784	74,093	309	0.4%
3.7%	72,104	71,775	-329	-0.5%
4.9%	70,602	70,188	-415	-0.6%
6.2%	69,733	69,328	-405	-0.6%
7.4%	69,197	68,926	-271	-0.4%
8.6%	68,692	68,285	-407	-0.6%
9.9%	67,996	67,637	-359	-0.5%
11.1%	67,424	66,982	-442	-0.7%
12.3%	66,900	66,116	-784	-1.2%
13.6%	65,473	64,958	-515	-0.8%
14.8%	64,556	64,081	-475	-0.7%
16.0%	62,484	62,421	-63	-0.1%
17.3%	61,933	61,897	-36	-0.1%
18.5%	61,706	61,743	38	0.1%
19.8%	60,800	61,416	616	1.0%
21.0%	59,574	60,802	1,228	2.1%
22.2%	59,070	58,608	-462	-0.8%
23.5%	58,982	58,091	-892	-1.5%
24.7%	56,851	57,702	851	1.5%
25.9%	51,946	52,451	504	1.0%
27.2%	51,910	51,060	-850	-1.6%
28.4%	50,675	48,851	-1,825	-3.6%
29.6%	48,909	47,635	-1,273	-2.6%
30.9%	48,464	47,063	-1,401	-2.9%
32.1%	48,124	46,660	-1,464	-3.0%
33.3%	47,880	46,247	-1,633	-3.4%
34.6%	47,858	45,379	-2,479	-5.2%
35.8%	46,829	44,971	-1,858	-4.0%
37.0%	45,171	44,725	-446	-1.0%
38.3%	43,580	43,633	53	0.1%
39.5%	43,526	41,754	-1,772	-4.1%
40.7%	42,193	41,643	-550	-1.3%
42.0%	41,922	41,421	-501	-1.2%
43.2%	39,365	39,361	-4	0.0%
44.4%	36,163	34,226	-1,938	-5.4%
45.7%	34,709	34,105	-604	-1.7%
46.9%	34,242	32,183	-2,059	-6.0%
48.1%	33,712	32,118	-1,594	-4.7%
49.4%	33,702	30,680	-3,022	-9.0%
50.6%	32,704	29,416	-3,288	-10.1%
51.9%	30,031	27,814	-2,218	-7.4%
53.1%	28,936	27,660	-1,276	-4.4%
54.3%	28,515	26,748	-1,766	-6.2%
55.6%	27,064	25,834	-1,230	-4.5%
56.8%	25,135	23,951	-1,184	-4.7%
58.0%	24,624	23,947	-677	-2.8%
59.3%	24,497	23,086	-1,411	-5.8%
60.5%	24,022	22,865	-1,156	-4.8%
61.7%	23,538	22,624	-914	-3.9%
63.0%	22,872	21,140	-1,732	-7.6%
64.2%	22,338	20,561	-1,777	-8.0%
65.4%	21,944	20,328	-1,617	-7.4%
66.7%	21,406	20,320	-1,086	-5.1%
67.9%	19,641	18,667	-974	-5.0%
69.1%	18,666	18,511	-155	-0.8%
70.4%	18,241	18,116	-126	-0.7%
71.6%	17,802	17,344	-458	-2.6%
72.8%	17,801	17,095	-707	-4.0%
74.1%	16,997	16,605	-392	-2.3%
75.3%	16,618	16,232	-386	-2.3%
76.5%	16,589	14,909	-1,680	-10.1%
77.8%	16,268	14,908	-1,360	-8.4%
79.0%	15,202	14,792	-410	-2.7%
80.2%	15,094	14,694	-399	-2.6%
81.5%	15,020	14,259	-762	-5.1%
82.7%	13,913	14,250	338	2.4%
84.0%	13,667	13,985	318	2.3%
85.2%	13,414	13,461	47	0.4%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,923	-105	-0.8%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,411	-110	-0.9%
92.6%	12,434	12,406	-28	-0.2%
93.8%	11,885	12,105	220	1.9%
95.1%	11,569	11,894	325	2.8%
96.3%	10,326	11,540	1,214	11.8%
97.5%	9,176	10,743	1,567	17.1%
98.8%	8,732	9,359	627	7.2%
100.0%	8,072	8,854	782	9.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,371	0	0.0%
1.2%	77,333	77,376	43	0.1%
2.5%	72,349	71,893	-456	-0.6%
3.7%	70,805	70,544	-262	-0.4%
4.9%	68,249	68,107	-142	-0.2%
6.2%	68,107	68,003	-104	-0.2%
7.4%	67,663	67,219	-444	-0.7%
8.6%	66,230	63,897	-2,333	-3.5%
9.9%	61,306	60,163	-1,143	-1.9%
11.1%	61,102	60,086	-1,017	-1.7%
12.3%	60,661	59,753	-908	-1.5%
13.6%	59,092	57,644	-1,448	-2.5%
14.8%	57,412	56,390	-1,022	-1.8%
16.0%	57,384	55,816	-1,569	-2.7%
17.3%	55,039	54,770	-269	-0.5%
18.5%	54,767	53,199	-1,568	-2.9%
19.8%	52,762	50,242	-2,520	-4.8%
21.0%	48,528	47,815	-713	-1.5%
22.2%	47,733	45,716	-2,016	-4.2%
23.5%	46,956	45,487	-1,469	-3.1%
24.7%	44,697	43,323	-1,373	-3.1%
25.9%	44,500	42,165	-2,335	-5.2%
27.2%	43,331	40,310	-3,021	-7.0%
28.4%	43,017	40,224	-2,793	-6.5%
29.6%	41,621	40,063	-1,558	-3.7%
30.9%	41,574	36,935	-4,639	-11.2%
32.1%	40,443	35,534	-4,910	-12.1%
33.3%	37,799	34,995	-2,804	-7.4%
34.6%	36,156	34,879	-1,277	-3.5%
35.8%	34,672	34,281	-392	-1.1%
37.0%	34,122	33,688	-435	-1.3%
38.3%	33,963	33,485	-478	-1.4%
39.5%	33,632	31,216	-2,416	-7.2%
40.7%	32,449	30,452	-1,997	-6.2%
42.0%	32,269	30,399	-1,870	-5.8%
43.2%	29,803	27,356	-2,447	-8.2%
44.4%	29,086	26,849	-2,237	-7.7%
45.7%	28,903	26,574	-2,329	-8.1%
46.9%	27,956	25,073	-2,883	-10.3%
48.1%	27,700	24,955	-2,745	-9.9%
49.4%	25,304	21,836	-3,469	-13.7%
50.6%	25,156	21,673	-3,482	-13.8%
51.9%	24,930	21,645	-3,284	-13.2%
53.1%	23,700	21,567	-2,133	-9.0%
54.3%	22,920	21,118	-1,801	-7.9%
55.6%	22,379	20,153	-2,226	-9.9%
56.8%	22,277	19,615	-2,662	-11.9%
58.0%	22,258	19,386	-2,873	-12.9%
59.3%	22,243	18,820	-3,423	-15.4%
60.5%	22,025	18,184	-3,841	-17.4%
61.7%	21,282	17,691	-3,592	-16.9%
63.0%	21,005	17,572	-3,434	-16.3%
64.2%	20,217	17,496	-2,721	-13.5%
65.4%	20,183	17,276	-2,907	-14.4%
66.7%	19,912	17,193	-2,720	-13.7%
67.9%	19,673	17,155	-2,519	-12.8%
69.1%	19,616	16,877	-2,739	-14.0%
70.4%	19,312	16,564	-2,748	-14.2%
71.6%	19,248	16,212	-3,037	-15.8%
72.8%	18,990	15,256	-3,734	-19.7%
74.1%	18,589	15,155	-3,434	-18.5%
75.3%	18,144	14,831	-3,313	-18.3%
76.5%	17,176	14,640	-2,536	-14.8%
77.8%	15,686	13,888	-1,798	-11.5%
79.0%	15,644	13,856	-1,788	-11.4%
80.2%	14,414	13,468	-946	-6.6%
81.5%	14,368	13,035	-1,333	-9.3%
82.7%	13,338	13,030	-307	-2.3%
84.0%	12,820	12,987	167	1.3%
85.2%	12,411	12,672	261	2.1%
86.4%	12,376	12,415	39	0.3%
87.7%	12,126	12,209	83	0.7%
88.9%	11,529	12,187	658	5.7%
90.1%	11,503	11,648	145	1.3%
91.4%	11,321	10,931	-390	-3.4%
92.6%	11,050	10,778	-272	-2.5%
93.8%	10,657	10,777	121	1.1%
95.1%	10,545	10,458	-88	-0.8%
96.3%	8,963	9,570	607	6.8%
97.5%	8,655	9,333	678	7.8%
98.8%	7,975	9,281	1,306	16.4%
100.0%	7,762	8,698	936	12.1%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	71,710	-410	-0.6%
1.2%	67,572	67,579	7	0.0%
2.5%	64,589	63,963	-626	-1.0%
3.7%	57,018	57,015	-3	0.0%
4.9%	56,211	56,212	1	0.0%
6.2%	54,548	52,938	-1,610	-3.0%
7.4%	54,444	52,773	-1,671	-3.1%
8.6%	53,572	52,257	-1,315	-2.5%
9.9%	50,443	48,016	-2,428	-4.8%
11.1%	49,942	47,689	-2,253	-4.5%
12.3%	45,516	45,164	-352	-0.8%
13.6%	42,694	42,052	-641	-1.5%
14.8%	42,149	40,990	-1,158	-2.7%
16.0%	41,922	39,198	-2,724	-6.5%
17.3%	40,409	38,879	-1,530	-3.8%
18.5%	39,765	37,374	-2,392	-6.0%
19.8%	38,864	37,210	-1,654	-4.3%
21.0%	37,739	35,152	-2,587	-6.9%
22.2%	34,677	32,743	-1,934	-5.6%
23.5%	34,105	31,365	-2,741	-8.0%
24.7%	33,091	30,828	-2,263	-6.8%
25.9%	25,221	25,211	-10	0.0%
27.2%	24,551	23,012	-1,539	-6.3%
28.4%	24,410	22,745	-1,665	-6.8%
29.6%	23,949	22,601	-1,348	-5.6%
30.9%	23,775	22,556	-1,219	-5.1%
32.1%	22,975	21,681	-1,294	-5.6%
33.3%	22,600	21,480	-1,120	-5.0%
34.6%	22,549	21,479	-1,070	-4.7%
35.8%	21,557	21,142	-415	-1.9%
37.0%	21,088	20,813	-275	-1.3%
38.3%	20,971	20,232	-739	-3.5%
39.5%	20,969	19,958	-1,011	-4.8%
40.7%	20,879	19,663	-1,216	-5.8%
42.0%	20,137	19,112	-1,025	-5.1%
43.2%	18,687	18,968	281	1.5%
44.4%	18,189	17,608	-581	-3.2%
45.7%	18,156	17,371	-785	-4.3%
46.9%	18,074	17,028	-1,045	-5.8%
48.1%	16,807	16,811	4	0.0%
49.4%	16,657	16,450	-207	-1.2%
50.6%	16,272	16,275	3	0.0%
51.9%	15,863	15,867	4	0.0%
53.1%	14,935	15,020	85	0.6%
54.3%	14,162	14,164	2	0.0%
55.6%	13,912	13,923	11	0.1%
56.8%	13,807	13,838	31	0.2%
58.0%	13,252	13,203	-49	-0.4%
59.3%	13,081	13,102	21	0.2%
60.5%	13,042	13,044	2	0.0%
61.7%	13,023	13,020	-3	0.0%
63.0%	12,725	12,803	79	0.6%
64.2%	12,369	12,396	27	0.2%
65.4%	12,307	12,298	-9	-0.1%
66.7%	12,294	12,103	-191	-1.6%
67.9%	12,180	12,090	-90	-0.7%
69.1%	12,075	12,061	-14	-0.1%
70.4%	11,720	11,828	108	0.9%
71.6%	11,695	11,700	5	0.0%
72.8%	11,589	11,526	-63	-0.5%
74.1%	11,530	11,453	-77	-0.7%
75.3%	11,430	11,428	-2	0.0%
76.5%	11,397	11,382	-16	-0.1%
77.8%	11,273	11,311	37	0.3%
79.0%	11,263	11,305	42	0.4%
80.2%	11,216	11,224	9	0.1%
81.5%	10,880	10,882	2	0.0%
82.7%	10,379	10,573	193	1.9%
84.0%	10,306	10,260	-46	-0.4%
85.2%	10,093	10,231	138	1.4%
86.4%	10,035	10,081	46	0.5%
87.7%	9,830	10,032	203	2.1%
88.9%	9,729	9,974	245	2.5%
90.1%	9,711	9,765	54	0.6%
91.4%	9,684	9,727	44	0.5%
92.6%	9,613	9,683	70	0.7%
93.8%	9,558	9,584	26	0.3%
95.1%	9,441	9,444	3	0.0%
96.3%	8,806	9,250	444	5.0%
97.5%	8,710	8,436	-274	-3.1%
98.8%	8,342	8,343	1	0.0%
100.0%	7,483	7,226	-257	-3.4%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,706	57,205	-1,501	-2.6%
1.2%	58,348	56,656	-1,692	-2.9%
2.5%	54,096	54,099	3	0.0%
3.7%	52,730	52,331	-399	-0.8%
4.9%	48,877	48,505	-372	-0.8%
6.2%	44,816	44,708	-108	-0.2%
7.4%	43,116	43,006	-110	-0.3%
8.6%	42,836	42,094	-742	-1.7%
9.9%	41,799	41,786	-14	0.0%
11.1%	40,968	40,724	-244	-0.6%
12.3%	39,077	37,053	-2,024	-5.2%
13.6%	38,513	36,950	-1,563	-4.1%
14.8%	38,298	35,670	-2,628	-6.9%
16.0%	31,829	32,116	287	0.9%
17.3%	31,368	31,764	396	1.3%
18.5%	28,381	28,371	-10	0.0%
19.8%	27,984	26,026	-1,958	-7.0%
21.0%	27,562	25,827	-1,734	-6.3%
22.2%	26,125	25,493	-633	-2.4%
23.5%	25,651	23,716	-1,935	-7.5%
24.7%	24,101	22,242	-1,858	-7.7%
25.9%	23,012	22,168	-843	-3.7%
27.2%	20,498	20,503	5	0.0%
28.4%	18,715	18,797	82	0.4%
29.6%	18,358	18,291	-68	-0.4%
30.9%	18,204	17,443	-761	-4.2%
32.1%	17,848	16,971	-877	-4.9%
33.3%	17,443	16,592	-851	-4.9%
34.6%	16,592	16,430	-162	-1.0%
35.8%	16,428	15,662	-766	-4.7%
37.0%	15,820	15,170	-650	-4.1%
38.3%	15,222	15,095	-127	-0.8%
39.5%	15,119	14,862	-257	-1.7%
40.7%	14,860	14,491	-369	-2.5%
42.0%	14,490	14,299	-191	-1.3%
43.2%	14,299	14,126	-173	-1.2%
44.4%	13,953	14,035	83	0.6%
45.7%	13,708	13,956	247	1.8%
46.9%	13,693	13,879	187	1.4%
48.1%	13,672	13,678	6	0.0%
49.4%	13,666	13,560	-106	-0.8%
50.6%	13,559	13,167	-391	-2.9%
51.9%	12,567	12,726	159	1.3%
53.1%	12,298	12,313	14	0.1%
54.3%	12,223	12,239	16	0.1%
55.6%	12,180	12,116	-63	-0.5%
56.8%	12,113	12,111	-2	0.0%
58.0%	12,112	12,089	-23	-0.2%
59.3%	11,909	11,955	46	0.4%
60.5%	11,834	11,911	77	0.7%
61.7%	11,200	11,841	641	5.7%
63.0%	11,181	11,683	503	4.5%
64.2%	11,043	11,400	357	3.2%
65.4%	10,961	11,293	332	3.0%
66.7%	10,921	11,079	159	1.5%
67.9%	10,773	10,988	215	2.0%
69.1%	10,759	10,938	180	1.7%
70.4%	10,745	10,884	140	1.3%
71.6%	10,714	10,774	60	0.6%
72.8%	10,711	10,715	4	0.0%
74.1%	10,710	10,664	-47	-0.4%
75.3%	10,385	10,554	169	1.6%
76.5%	10,149	10,440	291	2.9%
77.8%	10,120	10,386	266	2.6%
79.0%	10,080	10,002	-78	-0.8%
80.2%	9,890	9,993	103	1.0%
81.5%	9,586	9,833	247	2.6%
82.7%	9,553	9,693	140	1.5%
84.0%	9,307	9,569	262	2.8%
85.2%	9,245	9,416	171	1.8%
86.4%	9,240	9,150	-90	-1.0%
87.7%	9,014	9,016	2	0.0%
88.9%	9,013	8,669	-343	-3.8%
90.1%	8,769	8,474	-296	-3.4%
91.4%	8,279	8,466	187	2.3%
92.6%	7,958	8,265	308	3.9%
93.8%	7,740	8,075	335	4.3%
95.1%	7,141	7,015	-126	-1.8%
96.3%	6,990	6,971	-19	-0.3%
97.5%	6,877	6,887	10	0.1%
98.8%	6,769	6,492	-277	-4.1%
100.0%	5,558	5,799	240	4.3%

Table SW-17-5b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,152	-55	-0.1%
1.2%	51,132	51,005	-127	-0.2%
2.5%	37,909	38,877	968	2.6%
3.7%	37,649	38,846	1,197	3.2%
4.9%	35,934	38,385	2,451	6.8%
6.2%	35,171	35,640	469	1.3%
7.4%	34,371	34,843	472	1.4%
8.6%	29,602	30,690	1,088	3.7%
9.9%	26,081	25,907	-174	-0.7%
11.1%	24,659	25,442	784	3.2%
12.3%	24,585	24,534	-51	-0.2%
13.6%	23,898	24,395	497	2.1%
14.8%	22,222	22,691	468	2.1%
16.0%	20,986	21,923	937	4.5%
17.3%	20,680	21,776	1,097	5.3%
18.5%	20,624	21,314	691	3.3%
19.8%	20,400	21,023	623	3.1%
21.0%	19,312	19,809	497	2.6%
22.2%	18,254	18,718	464	2.5%
23.5%	16,703	17,438	735	4.4%
24.7%	16,310	16,663	353	2.2%
25.9%	15,792	16,434	642	4.1%
27.2%	15,770	16,264	494	3.1%
28.4%	15,523	16,072	549	3.5%
29.6%	15,463	15,795	332	2.1%
30.9%	15,042	15,626	584	3.9%
32.1%	14,987	15,479	492	3.3%
33.3%	14,740	15,420	679	4.6%
34.6%	14,739	15,222	483	3.3%
35.8%	14,701	15,130	429	2.9%
37.0%	14,561	15,028	466	3.2%
38.3%	14,525	15,022	498	3.4%
39.5%	14,511	14,894	384	2.6%
40.7%	14,501	14,546	45	0.3%
42.0%	14,037	14,375	339	2.4%
43.2%	13,763	14,137	375	2.7%
44.4%	13,721	14,055	334	2.4%
45.7%	13,653	14,030	377	2.8%
46.9%	13,603	14,011	408	3.0%
48.1%	13,570	13,943	372	2.7%
49.4%	13,511	13,878	367	2.7%
50.6%	13,367	13,838	471	3.5%
51.9%	13,274	13,759	485	3.7%
53.1%	13,172	13,606	435	3.3%
54.3%	12,958	13,492	533	4.1%
55.6%	12,932	13,428	496	3.8%
56.8%	12,913	13,392	479	3.7%
58.0%	12,905	13,293	388	3.0%
59.3%	12,848	13,248	400	3.1%
60.5%	12,695	13,240	545	4.3%
61.7%	12,692	13,121	429	3.4%
63.0%	12,643	12,968	325	2.6%
64.2%	12,631	12,952	321	2.5%
65.4%	12,621	12,880	259	2.1%
66.7%	12,528	12,795	267	2.1%
67.9%	12,456	12,791	334	2.7%
69.1%	12,449	12,777	328	2.6%
70.4%	12,281	12,721	440	3.6%
71.6%	12,277	12,629	353	2.9%
72.8%	12,218	12,472	254	2.1%
74.1%	12,184	12,420	236	1.9%
75.3%	11,997	12,385	388	3.2%
76.5%	11,993	12,378	385	3.2%
77.8%	11,921	12,278	358	3.0%
79.0%	11,872	12,272	400	3.4%
80.2%	11,538	12,024	487	4.2%
81.5%	11,491	12,000	509	4.4%
82.7%	11,478	11,920	442	3.9%
84.0%	11,262	11,796	534	4.7%
85.2%	11,167	11,612	445	4.0%
86.4%	11,035	11,550	515	4.7%
87.7%	10,992	11,456	465	4.2%
88.9%	10,893	11,383	490	4.5%
90.1%	10,713	11,072	359	3.4%
91.4%	10,594	11,046	452	4.3%
92.6%	9,740	10,998	1,258	12.9%
93.8%	9,457	9,782	325	3.4%
95.1%	9,447	9,760	313	3.3%
96.3%	9,365	9,551	187	2.0%
97.5%	8,752	9,459	707	8.1%
98.8%	8,623	9,393	770	8.9%
100.0%	8,561	8,957	396	4.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,971	26,459	1,489	6.0%
1.2%	24,965	26,438	1,472	5.9%
2.5%	24,847	26,335	1,488	6.0%
3.7%	24,793	26,268	1,475	6.0%
4.9%	24,526	26,089	1,563	6.4%
6.2%	24,526	26,048	1,522	6.2%
7.4%	24,489	26,013	1,524	6.2%
8.6%	24,000	25,633	1,633	6.8%
9.9%	23,989	25,598	1,609	6.7%
11.1%	23,926	25,537	1,611	6.7%
12.3%	23,917	25,521	1,604	6.7%
13.6%	23,821	25,353	1,532	6.4%
14.8%	23,814	25,020	1,206	5.1%
16.0%	23,788	24,891	1,103	4.6%
17.3%	23,565	24,659	1,094	4.6%
18.5%	23,549	24,529	980	4.2%
19.8%	23,175	24,377	1,202	5.2%
21.0%	22,875	24,144	1,269	5.5%
22.2%	22,792	24,129	1,337	5.9%
23.5%	22,625	24,029	1,403	6.2%
24.7%	22,577	23,236	659	2.9%
25.9%	22,427	23,228	802	3.6%
27.2%	22,363	23,140	777	3.5%
28.4%	22,240	22,735	495	2.2%
29.6%	21,879	22,703	824	3.8%
30.9%	21,688	22,655	967	4.5%
32.1%	21,639	22,498	859	4.0%
33.3%	21,302	22,482	1,180	5.5%
34.6%	21,218	22,426	1,209	5.7%
35.8%	20,866	22,297	1,431	6.9%
37.0%	20,853	22,121	1,269	6.1%
38.3%	20,849	21,962	1,113	5.3%
39.5%	20,831	21,688	857	4.1%
40.7%	20,330	21,639	1,310	6.4%
42.0%	20,262	21,544	1,282	6.3%
43.2%	20,211	21,378	1,167	5.8%
44.4%	20,202	21,340	1,138	5.6%
45.7%	20,184	21,303	1,119	5.5%
46.9%	20,094	21,298	1,204	6.0%
48.1%	20,048	21,283	1,235	6.2%
49.4%	20,042	21,219	1,177	5.9%
50.6%	20,000	21,173	1,173	5.9%
51.9%	19,988	21,101	1,113	5.6%
53.1%	19,910	21,096	1,186	6.0%
54.3%	19,883	21,030	1,147	5.8%
55.6%	19,840	20,990	1,150	5.8%
56.8%	19,829	20,976	1,147	5.8%
58.0%	19,802	20,881	1,080	5.5%
59.3%	19,675	20,647	972	4.9%
60.5%	19,532	20,494	962	4.9%
61.7%	19,505	20,379	874	4.5%
63.0%	19,016	20,111	1,095	5.8%
64.2%	18,935	19,768	833	4.4%
65.4%	18,760	19,755	996	5.3%
66.7%	18,756	19,603	847	4.5%
67.9%	18,614	19,197	582	3.1%
69.1%	18,568	18,965	396	2.1%
70.4%	18,506	18,927	421	2.3%
71.6%	17,888	18,924	1,036	5.8%
72.8%	17,675	18,889	1,214	6.9%
74.1%	17,466	18,876	1,410	8.1%
75.3%	17,435	18,262	827	4.7%
76.5%	17,388	18,229	841	4.8%
77.8%	17,318	18,053	735	4.2%
79.0%	17,272	17,515	244	1.4%
80.2%	16,726	17,272	546	3.3%
81.5%	16,293	16,819	525	3.2%
82.7%	16,020	16,627	607	3.8%
84.0%	15,894	16,204	311	2.0%
85.2%	15,559	16,123	564	3.6%
86.4%	15,159	16,119	961	6.3%
87.7%	15,132	15,547	415	2.7%
88.9%	14,620	15,542	923	6.3%
90.1%	14,379	15,490	1,110	7.7%
91.4%	14,009	14,009	0	0.0%
92.6%	13,996	13,561	-436	-3.1%
93.8%	13,802	13,504	-298	-2.2%
95.1%	12,956	13,346	390	3.0%
96.3%	12,925	12,816	-108	-0.8%
97.5%	11,270	12,423	1,153	10.2%
98.8%	9,091	12,168	3,077	33.8%
100.0%	8,382	11,222	2,840	33.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,779	22,433	2,654	13.4%
1.2%	19,723	20,969	1,246	6.3%
2.5%	19,566	20,088	521	2.7%
3.7%	19,045	19,771	726	3.8%
4.9%	18,442	19,701	1,259	6.8%
6.2%	18,371	19,688	1,317	7.2%
7.4%	18,220	19,226	1,006	5.5%
8.6%	18,176	19,224	1,048	5.8%
9.9%	18,042	19,086	1,044	5.8%
11.1%	17,952	19,007	1,055	5.9%
12.3%	17,779	18,976	1,197	6.7%
13.6%	17,769	18,836	1,067	6.0%
14.8%	17,560	18,599	1,040	5.9%
16.0%	17,489	18,597	1,108	6.3%
17.3%	17,306	18,559	1,253	7.2%
18.5%	17,265	18,532	1,268	7.3%
19.8%	17,220	18,525	1,305	7.6%
21.0%	17,204	18,475	1,271	7.4%
22.2%	17,128	18,460	1,332	7.8%
23.5%	17,111	18,356	1,245	7.3%
24.7%	17,108	18,310	1,202	7.0%
25.9%	17,106	18,282	1,176	6.9%
27.2%	17,061	18,247	1,186	6.9%
28.4%	17,008	17,840	832	4.9%
29.6%	17,004	17,793	789	4.6%
30.9%	16,996	17,673	677	4.0%
32.1%	16,913	17,617	705	4.2%
33.3%	16,866	17,564	698	4.1%
34.6%	16,848	17,432	584	3.5%
35.8%	16,813	17,273	460	2.7%
37.0%	16,774	17,249	475	2.8%
38.3%	16,757	17,018	260	1.6%
39.5%	16,678	16,990	312	1.9%
40.7%	16,638	16,911	273	1.6%
42.0%	16,595	16,814	219	1.3%
43.2%	16,415	16,649	235	1.4%
44.4%	16,338	16,619	282	1.7%
45.7%	16,313	16,603	289	1.8%
46.9%	16,264	16,537	272	1.7%
48.1%	16,017	16,487	470	2.9%
49.4%	15,971	16,399	427	2.7%
50.6%	15,958	16,339	381	2.4%
51.9%	15,933	16,315	382	2.4%
53.1%	15,897	16,267	371	2.3%
54.3%	15,893	16,126	233	1.5%
55.6%	15,754	15,968	214	1.4%
56.8%	15,683	15,959	276	1.8%
58.0%	15,681	15,754	73	0.5%
59.3%	15,499	15,739	239	1.5%
60.5%	15,481	15,677	196	1.3%
61.7%	15,455	15,498	43	0.3%
63.0%	15,450	15,482	32	0.2%
64.2%	15,275	15,320	45	0.3%
65.4%	15,227	15,288	61	0.4%
66.7%	15,220	15,274	55	0.4%
67.9%	15,132	15,242	110	0.7%
69.1%	14,933	15,223	289	1.9%
70.4%	14,920	15,007	87	0.6%
71.6%	14,900	14,938	38	0.3%
72.8%	14,865	14,915	50	0.3%
74.1%	14,841	14,847	6	0.0%
75.3%	14,441	14,585	145	1.0%
76.5%	14,391	14,445	53	0.4%
77.8%	14,235	14,245	10	0.1%
79.0%	13,587	14,234	647	4.8%
80.2%	13,252	14,224	973	7.3%
81.5%	13,166	14,198	1,033	7.8%
82.7%	12,821	13,889	1,069	8.3%
84.0%	12,709	12,759	49	0.4%
85.2%	12,291	12,667	375	3.1%
86.4%	10,699	12,623	1,924	18.0%
87.7%	10,276	12,601	2,325	22.6%
88.9%	9,514	12,373	2,859	30.1%
90.1%	9,275	11,988	2,712	29.2%
91.4%	8,942	11,903	2,961	33.1%
92.6%	8,813	11,142	2,330	26.4%
93.8%	8,467	10,339	1,872	22.1%
95.1%	7,696	9,140	1,445	18.8%
96.3%	7,546	9,062	1,516	20.1%
97.5%	7,380	9,017	1,637	22.2%
98.8%	7,201	8,980	1,779	24.7%
100.0%	7,157	7,335	177	2.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,373	31,530	156	0.5%
1.2%	30,434	31,040	606	2.0%
2.5%	30,321	30,792	471	1.6%
3.7%	30,116	30,297	182	0.6%
4.9%	30,019	30,187	168	0.6%
6.2%	29,810	30,081	271	0.9%
7.4%	29,770	30,049	280	0.9%
8.6%	29,476	29,957	481	1.6%
9.9%	29,436	29,878	441	1.5%
11.1%	29,392	29,828	435	1.5%
12.3%	29,273	29,545	272	0.9%
13.6%	29,249	29,490	242	0.8%
14.8%	29,063	29,476	414	1.4%
16.0%	28,883	29,397	514	1.8%
17.3%	28,265	29,358	1,093	3.9%
18.5%	27,830	29,338	1,509	5.4%
19.8%	27,046	29,324	2,278	8.4%
21.0%	26,223	29,309	3,087	11.8%
22.2%	26,199	28,969	2,770	10.6%
23.5%	26,170	28,950	2,780	10.6%
24.7%	25,656	28,399	2,743	10.7%
25.9%	24,169	25,729	1,561	6.5%
27.2%	24,103	23,941	-162	-0.7%
28.4%	23,702	23,577	-126	-0.5%
29.6%	23,484	23,067	-417	-1.8%
30.9%	22,818	23,012	195	0.9%
32.1%	22,405	22,452	48	0.2%
33.3%	22,226	22,376	150	0.7%
34.6%	22,129	22,248	119	0.5%
35.8%	21,405	22,175	770	3.6%
37.0%	21,019	21,856	837	4.0%
38.3%	20,836	21,409	573	2.8%
39.5%	20,697	21,257	560	2.7%
40.7%	20,134	21,067	934	4.6%
42.0%	19,988	20,988	1,001	5.0%
43.2%	19,640	20,878	1,238	6.3%
44.4%	16,875	19,825	2,950	17.5%
45.7%	16,599	19,517	2,918	17.6%
46.9%	14,453	15,345	892	6.2%
48.1%	13,809	15,224	1,414	10.2%
49.4%	13,720	14,531	811	5.9%
50.6%	13,529	14,466	937	6.9%
51.9%	13,364	14,309	945	7.1%
53.1%	13,040	14,197	1,157	8.9%
54.3%	12,725	14,139	1,414	11.1%
55.6%	12,594	14,067	1,473	11.7%
56.8%	12,571	14,061	1,490	11.9%
58.0%	12,566	13,752	1,186	9.4%
59.3%	12,525	13,708	1,183	9.4%
60.5%	12,495	13,549	1,054	8.4%
61.7%	12,443	13,164	721	5.8%
63.0%	12,162	13,146	984	8.1%
64.2%	12,123	13,090	967	8.0%
65.4%	12,024	12,982	958	8.0%
66.7%	11,888	12,927	1,039	8.7%
67.9%	11,884	12,862	978	8.2%
69.1%	11,733	12,766	1,033	8.8%
70.4%	11,572	12,759	1,186	10.2%
71.6%	11,541	12,748	1,208	10.5%
72.8%	11,403	12,627	1,224	10.7%
74.1%	11,255	12,399	1,143	10.2%
75.3%	11,170	12,350	1,179	10.6%
76.5%	11,086	12,349	1,264	11.4%
77.8%	10,874	12,266	1,391	12.8%
79.0%	10,741	12,255	1,514	14.1%
80.2%	10,704	12,154	1,450	13.5%
81.5%	10,365	12,105	1,740	16.8%
82.7%	10,334	11,886	1,552	15.0%
84.0%	9,750	11,848	2,098	21.5%
85.2%	9,208	11,812	2,603	28.3%
86.4%	8,470	11,346	2,877	34.0%
87.7%	7,901	11,144	3,243	41.1%
88.9%	7,794	11,099	3,305	42.4%
90.1%	7,769	11,098	3,329	42.8%
91.4%	7,674	11,078	3,404	44.4%
92.6%	7,656	10,167	2,511	32.8%
93.8%	7,627	7,794	167	2.2%
95.1%	7,581	7,739	158	2.1%
96.3%	7,579	7,723	144	1.9%
97.5%	7,474	7,627	153	2.0%
98.8%	7,443	7,579	136	1.8%
100.0%	7,279	7,474	195	2.7%

Table SW-18-5a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,767	1,826	1,968	2,170	2,381	2,591	2,864	3,002	2,885	2,399	2,098	1,831
Alternative B	1,786	1,846	1,999	2,203	2,412	2,619	2,896	3,038	2,921	2,440	2,127	1,841
Difference	19	20	31	33	32	28	32	36	36	41	28	9
Percent Difference[3]	1.1%	1.1%	1.6%	1.5%	1.3%	1.1%	1.1%	1.2%	1.2%	1.7%	1.4%	0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,377	2,423	2,485	2,679	2,860	2,945	3,304	3,508	3,483	3,125	2,927	2,473
Alternative B	2,366	2,418	2,516	2,672	2,861	2,945	3,304	3,508	3,477	3,115	2,915	2,450
Difference	-11	-5	31	-7	2	0	0	0	-6	-9	-12	-23
Percent Difference	-0.5%	-0.2%	1.3%	-0.2%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.3%	-0.4%	-0.9%
Above Normal (15%)												
No Action Alternative	1,965	2,024	2,128	2,296	2,610	2,930	3,292	3,498	3,393	2,821	2,434	2,039
Alternative B	1,942	1,999	2,138	2,325	2,634	2,939	3,301	3,498	3,367	2,799	2,420	2,003
Difference	-23	-25	9	29	25	9	9	0	-26	-23	-14	-36
Percent Difference	-1.2%	-1.2%	0.4%	1.3%	1.0%	0.3%	0.3%	0.0%	-0.8%	-0.8%	-0.6%	-1.8%
Below Normal (17%)												
No Action Alternative	1,867	1,939	2,150	2,078	2,334	2,593	2,969	3,191	3,082	2,490	2,081	1,911
Alternative B	1,937	2,010	2,185	2,163	2,387	2,646	3,025	3,248	3,124	2,540	2,143	1,969
Difference	71	71	35	85	53	53	56	57	42	50	62	59
Percent Difference	3.8%	3.7%	1.6%	4.1%	2.3%	2.1%	1.9%	1.8%	1.4%	2.0%	3.0%	3.1%
Dry (22%)												
No Action Alternative	1,242	1,331	1,579	1,842	2,069	2,386	2,578	2,621	2,403	1,827	1,422	1,297
Alternative B	1,274	1,360	1,621	1,867	2,099	2,421	2,620	2,683	2,488	1,925	1,478	1,319
Difference	33	29	42	24	30	36	43	62	85	98	56	23
Percent Difference	2.6%	2.2%	2.7%	1.3%	1.5%	1.5%	1.7%	2.4%	3.5%	5.4%	3.9%	1.7%
Critical (15%)												
No Action Alternative	921	947	1,060	1,542	1,636	1,792	1,790	1,760	1,573	1,154	1,000	941
Alternative B	965	992	1,091	1,618	1,715	1,857	1,870	1,847	1,680	1,275	1,078	990
Difference	44	45	31	76	80	64	80	87	108	121	78	49
Percent Difference	4.7%	4.8%	2.9%	4.9%	4.9%	3.6%	4.5%	4.9%	6.8%	10.5%	7.8%	5.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-18-5b
Lake Oroville, End of Month Storage
Probability of Exceedance

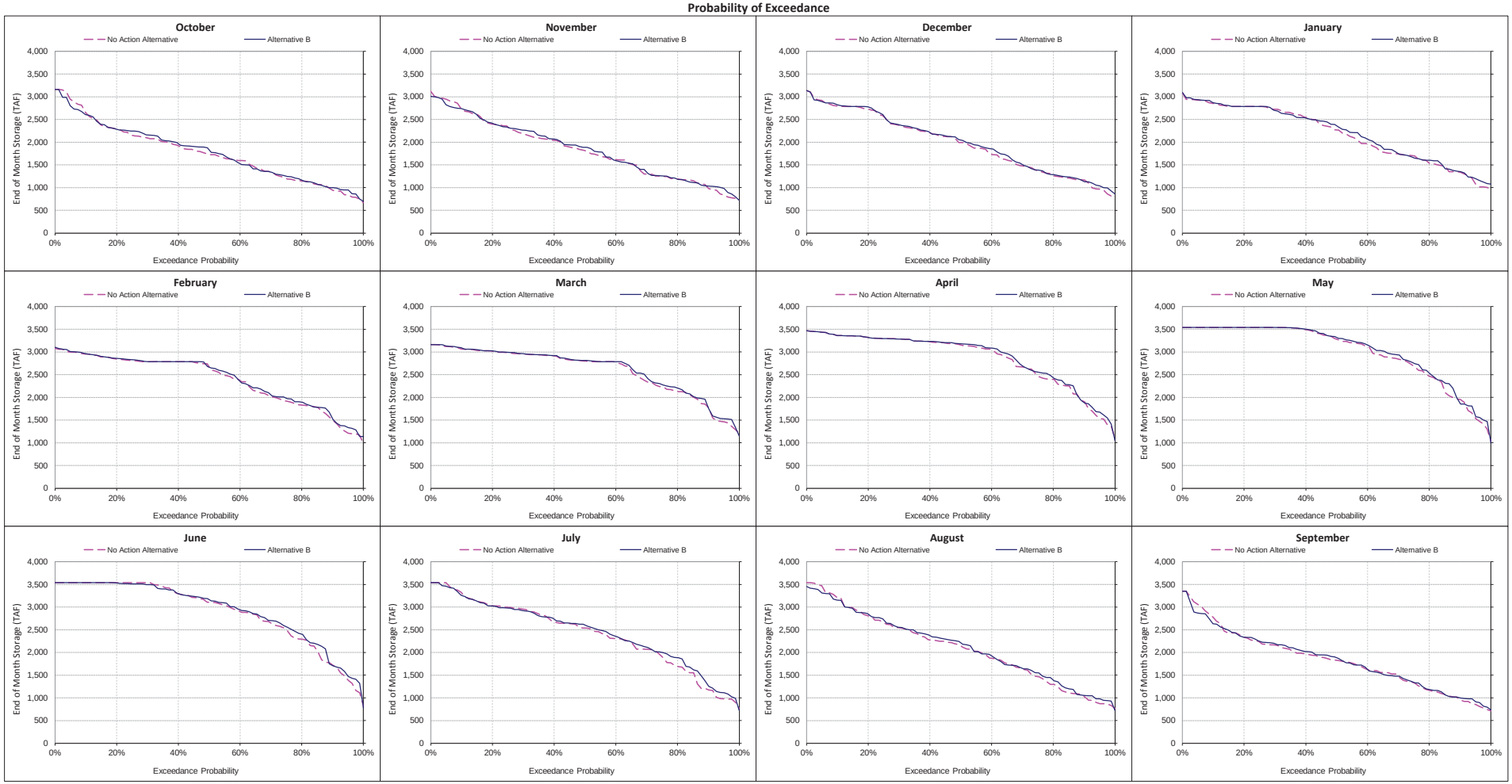

Table SW-18-5b
Lake Oroville, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,149	2,985	-164	-5.2%
3.7%	3,104	2,985	-119	-3.8%
4.9%	2,951	2,805	-146	-5.0%
6.2%	2,888	2,729	-159	-5.5%
7.4%	2,836	2,721	-115	-4.0%
8.6%	2,813	2,676	-137	-4.9%
9.9%	2,658	2,608	-50	-1.9%
11.1%	2,571	2,591	20	0.8%
12.3%	2,516	2,555	40	1.6%
13.6%	2,487	2,458	-29	-1.2%
14.8%	2,382	2,398	16	0.7%
16.0%	2,342	2,382	40	1.7%
17.3%	2,327	2,326	-1	0.0%
18.5%	2,311	2,310	0	0.0%
19.8%	2,294	2,289	-5	-0.2%
21.0%	2,275	2,266	-10	-0.4%
22.2%	2,230	2,265	36	1.6%
23.5%	2,217	2,257	41	1.8%
24.7%	2,157	2,244	87	4.0%
25.9%	2,140	2,244	104	4.8%
27.2%	2,133	2,235	101	4.8%
28.4%	2,109	2,198	89	4.2%
29.6%	2,102	2,162	60	2.8%
30.9%	2,080	2,157	77	3.7%
32.1%	2,079	2,152	73	3.5%
33.3%	2,066	2,133	67	3.2%
34.6%	2,018	2,048	30	1.5%
35.8%	2,002	2,032	30	1.5%
37.0%	2,000	2,029	29	1.4%
38.3%	1,953	2,008	55	2.8%
39.5%	1,939	1,992	52	2.7%
40.7%	1,897	1,931	35	1.8%
42.0%	1,854	1,920	66	3.6%
43.2%	1,845	1,920	74	4.0%
44.4%	1,843	1,902	59	3.2%
45.7%	1,805	1,900	95	5.3%
46.9%	1,797	1,897	100	5.6%
48.1%	1,770	1,895	125	7.1%
49.4%	1,740	1,877	137	7.9%
50.6%	1,724	1,775	51	2.9%
51.9%	1,723	1,771	48	2.8%
53.1%	1,694	1,749	55	3.3%
54.3%	1,665	1,729	63	3.8%
55.6%	1,634	1,676	42	2.6%
56.8%	1,630	1,632	3	0.2%
58.0%	1,623	1,608	-16	-1.0%
59.3%	1,599	1,553	-47	-2.9%
60.5%	1,599	1,510	-89	-5.6%
61.7%	1,592	1,500	-92	-5.8%
63.0%	1,512	1,494	-18	-1.2%
64.2%	1,474	1,414	-60	-4.1%
65.4%	1,421	1,412	-10	-0.7%
66.7%	1,404	1,367	-38	-2.7%
67.9%	1,363	1,356	-6	-0.5%
69.1%	1,356	1,355	-1	0.0%
70.4%	1,341	1,337	-4	-0.3%
71.6%	1,281	1,297	17	1.3%
72.8%	1,249	1,283	34	2.7%
74.1%	1,226	1,267	41	3.3%
75.3%	1,191	1,243	53	4.4%
76.5%	1,181	1,241	59	5.0%
77.8%	1,164	1,213	49	4.2%
79.0%	1,158	1,194	35	3.1%
80.2%	1,143	1,154	11	1.0%
81.5%	1,138	1,131	-8	-0.7%
82.7%	1,118	1,128	10	0.9%
84.0%	1,083	1,106	23	2.2%
85.2%	1,065	1,072	6	0.6%
86.4%	1,065	1,050	-15	-1.4%
87.7%	1,043	1,020	-24	-2.3%
88.9%	988	1,001	13	1.3%
90.1%	939	999	61	6.5%
91.4%	927	988	61	6.6%
92.6%	921	958	37	4.0%
93.8%	845	950	105	12.4%
95.1%	844	948	104	12.3%
96.3%	792	867	75	9.5%
97.5%	788	860	72	9.1%
98.8%	741	749	7	1.0%
100.0%	668	698	31	4.6%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,008	-111	-3.6%
1.2%	3,008	3,000	-8	-0.3%
2.5%	2,981	2,981	0	0.0%
3.7%	2,969	2,950	-19	-0.6%
4.9%	2,950	2,828	-122	-4.1%
6.2%	2,909	2,788	-121	-4.1%
7.4%	2,891	2,766	-125	-4.3%
8.6%	2,859	2,749	-110	-3.8%
9.9%	2,734	2,742	8	0.3%
11.1%	2,679	2,716	38	1.4%
12.3%	2,670	2,693	23	0.9%
13.6%	2,631	2,669	38	1.4%
14.8%	2,624	2,616	-9	-0.3%
16.0%	2,561	2,525	-36	-1.4%
17.3%	2,462	2,492	30	1.2%
18.5%	2,424	2,438	14	0.6%
19.8%	2,403	2,424	22	0.9%
21.0%	2,391	2,391	0	0.0%
22.2%	2,383	2,368	-15	-0.6%
23.5%	2,360	2,340	-20	-0.9%
24.7%	2,358	2,337	-21	-0.9%
25.9%	2,274	2,308	34	1.5%
27.2%	2,260	2,302	43	1.9%
28.4%	2,219	2,285	66	3.0%
29.6%	2,195	2,268	73	3.3%
30.9%	2,164	2,264	100	4.6%
32.1%	2,138	2,247	109	5.1%
33.3%	2,113	2,237	124	5.9%
34.6%	2,101	2,163	62	2.9%
35.8%	2,081	2,139	58	2.8%
37.0%	2,073	2,136	63	3.0%
38.3%	2,060	2,075	15	0.7%
39.5%	2,045	2,074	29	1.4%
40.7%	2,038	2,059	21	1.1%
42.0%	2,013	2,023	10	0.5%
43.2%	1,920	1,949	29	1.5%
44.4%	1,904	1,943	39	2.1%
45.7%	1,881	1,937	56	3.0%
46.9%	1,878	1,936	59	3.1%
48.1%	1,843	1,902	59	3.2%
49.4%	1,827	1,887	60	3.3%
50.6%	1,805	1,885	80	4.4%
51.9%	1,748	1,858	110	6.3%
53.1%	1,737	1,796	59	3.4%
54.3%	1,709	1,788	79	4.7%
55.6%	1,680	1,779	99	5.9%
56.8%	1,669	1,678	8	0.5%
58.0%	1,624	1,672	49	3.0%
59.3%	1,617	1,606	-11	-0.7%
60.5%	1,614	1,587	-27	-1.6%
61.7%	1,609	1,565	-44	-2.7%
63.0%	1,608	1,560	-48	-3.0%
64.2%	1,535	1,535	0	0.0%
65.4%	1,509	1,523	14	0.9%
66.7%	1,497	1,456	-41	-2.8%
67.9%	1,373	1,402	30	2.2%
69.1%	1,301	1,402	101	7.7%
70.4%	1,295	1,315	20	1.5%
71.6%	1,295	1,268	-26	-2.0%
72.8%	1,259	1,267	8	0.6%
74.1%	1,258	1,263	4	0.4%
75.3%	1,246	1,259	13	1.1%
76.5%	1,244	1,252	8	0.7%
77.8%	1,199	1,215	16	1.4%
79.0%	1,193	1,211	17	1.5%
80.2%	1,188	1,181	-7	-0.6%
81.5%	1,175	1,176	1	0.1%
82.7%	1,170	1,152	-18	-1.5%
84.0%	1,167	1,124	-43	-3.7%
85.2%	1,153	1,109	-44	-3.8%
86.4%	1,099	1,106	8	0.7%
87.7%	1,086	1,058	-29	-2.6%
88.9%	1,066	1,036	-30	-2.8%
90.1%	976	1,034	58	5.9%
91.4%	956	1,032	76	7.9%
92.6%	945	1,017	72	7.7%
93.8%	861	1,003	143	16.6%
95.1%	837	985	148	17.6%
96.3%	794	893	98	12.4%
97.5%	779	859	80	10.3%
98.8%	766	797	31	4.0%
100.0%	717	723	6	0.8%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,139	3,139	0	0.0%
1.2%	3,107	3,107	0	0.0%
2.5%	2,973	2,930	-43	-1.4%
3.7%	2,930	2,918	-12	-0.4%
4.9%	2,918	2,892	-26	-0.9%
6.2%	2,866	2,867	1	0.0%
7.4%	2,841	2,866	25	0.9%
8.6%	2,806	2,857	51	1.8%
9.9%	2,800	2,823	23	0.8%
11.1%	2,788	2,806	18	0.6%
12.3%	2,788	2,800	12	0.4%
13.6%	2,788	2,788	0	0.0%
14.8%	2,788	2,788	0	0.0%
16.0%	2,788	2,788	0	0.0%
17.3%	2,769	2,788	19	0.7%
18.5%	2,739	2,788	49	1.8%
19.8%	2,737	2,782	45	1.6%
21.0%	2,707	2,751	44	1.6%
22.2%	2,698	2,686	-11	-0.4%
23.5%	2,607	2,655	48	1.8%
24.7%	2,586	2,606	20	0.8%
25.9%	2,508	2,491	-17	-0.7%
27.2%	2,405	2,425	20	0.8%
28.4%	2,397	2,405	8	0.3%
29.6%	2,379	2,392	13	0.6%
30.9%	2,359	2,369	10	0.4%
32.1%	2,327	2,355	28	1.2%
33.3%	2,316	2,348	32	1.4%
34.6%	2,299	2,315	16	0.7%
35.8%	2,283	2,300	18	0.8%
37.0%	2,246	2,265	19	0.8%
38.3%	2,239	2,256	17	0.8%
39.5%	2,216	2,235	19	0.9%
40.7%	2,183	2,178	-5	-0.2%
42.0%	2,174	2,172	-2	-0.1%
43.2%	2,135	2,169	33	1.6%
44.4%	2,127	2,149	23	1.1%
45.7%	2,120	2,130	9	0.4%
46.9%	2,120	2,121	1	0.0%
48.1%	2,087	2,118	31	1.5%
49.4%	1,993	2,052	59	3.0%
50.6%	1,992	2,036	44	2.2%
51.9%	1,974	1,996	22	1.1%
53.1%	1,919	1,974	55	2.9%
54.3%	1,870	1,943	73	3.9%
55.6%	1,868	1,932	64	3.4%
56.8%	1,864	1,900	36	1.9%
58.0%	1,841	1,876	35	1.9%
59.3%	1,740	1,858	118	6.8%
60.5%	1,724	1,851	127	7.4%
61.7%	1,719	1,786	67	3.9%
63.0%	1,631	1,743	113	6.9%
64.2%	1,623	1,733	111	6.8%
65.4%	1,598	1,692	94	5.9%
66.7%	1,580	1,617	37	2.3%
67.9%	1,511	1,561	50	3.3%
69.1%	1,485	1,542	57	3.9%
70.4%	1,473	1,491	18	1.2%
71.6%	1,459	1,463	4	0.3%
72.8%	1,443	1,416	-27	-1.9%
74.1%	1,389	1,393	4	0.3%
75.3%	1,362	1,383	21	1.6%
76.5%	1,340	1,370	29	2.2%
77.8%	1,315	1,313	-2	-0.2%
79.0%	1,312	1,292	-20	-1.5%
80.2%	1,254	1,283	29	2.3%
81.5%	1,244	1,267	22	1.8%
82.7%	1,236	1,249	13	1.0%
84.0%	1,211	1,239	28	2.3%
85.2%	1,209	1,232	23	1.9%
86.4%	1,187	1,220	32	2.7%
87.7%	1,175	1,202	27	2.3%
88.9%	1,173	1,175	1	0.1%
90.1%	1,167	1,127	-40	-3.5%
91.4%	1,099	1,127	28	2.6%
92.6%	994	1,098	103	10.4%
93.8%	971	1,056	85	8.7%
95.1%	968	1,040	72	7.5%
96.3%	942	1,003	61	6.4%
97.5%	860	992	132	15.3%
98.8%	816	928	112	13.7%
100.0%	780	860	80	10.2%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,091	0	0.0%
1.2%	2,943	2,978	35	1.2%
2.5%	2,940	2,975	35	1.2%
3.7%	2,937	2,943	6	0.2%
4.9%	2,924	2,940	16	0.5%
6.2%	2,922	2,924	2	0.1%
7.4%	2,911	2,922	11	0.4%
8.6%	2,870	2,919	49	1.7%
9.9%	2,854	2,870	16	0.6%
11.1%	2,846	2,854	8	0.3%
12.3%	2,813	2,846	33	1.2%
13.6%	2,809	2,813	4	0.1%
14.8%	2,788	2,809	21	0.8%
16.0%	2,788	2,788	0	0.0%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,787	2,787	0	0.0%
27.2%	2,774	2,786	12	0.4%
28.4%	2,729	2,762	34	1.2%
29.6%	2,727	2,700	-27	-1.0%
30.9%	2,725	2,689	-36	-1.3%
32.1%	2,691	2,636	-55	-2.0%
33.3%	2,660	2,623	-38	-1.4%
34.6%	2,655	2,614	-41	-1.5%
35.8%	2,629	2,600	-30	-1.1%
37.0%	2,606	2,549	-57	-2.2%
38.3%	2,595	2,539	-56	-2.2%
39.5%	2,551	2,538	-12	-0.5%
40.7%	2,539	2,521	-17	-0.7%
42.0%	2,503	2,494	-9	-0.4%
43.2%	2,496	2,493	-3	-0.1%
44.4%	2,394	2,470	76	3.2%
45.7%	2,367	2,464	98	4.1%
46.9%	2,349	2,444	95	4.0%
48.1%	2,333	2,395	62	2.7%
49.4%	2,273	2,392	119	5.2%
50.6%	2,265	2,333	67	3.0%
51.9%	2,201	2,283	82	3.7%
53.1%	2,177	2,273	96	4.4%
54.3%	2,126	2,215	89	4.2%
55.6%	2,101	2,213	112	5.4%
56.8%	2,044	2,211	167	8.2%
58.0%	1,970	2,124	153	7.8%
59.3%	1,969	2,094	124	6.3%
60.5%	1,961	2,052	91	4.6%
61.7%	1,917	2,024	107	5.6%
63.0%	1,879	1,953	74	3.9%
64.2%	1,791	1,928	137	7.6%
65.4%	1,774	1,845	70	4.0%
66.7%	1,757	1,842	86	4.9%
67.9%	1,756	1,835	79	4.5%
69.1%	1,749	1,786	37	2.1%
70.4%	1,744	1,731	-12	-0.7%
71.6%	1,721	1,724	3	0.2%
72.8%	1,712	1,708	-3	-0.2%
74.1%	1,708	1,682	-26	-1.5%
75.3%	1,696	1,648	-48	-2.9%
76.5%	1,624	1,636	12	0.8%
77.8%	1,614	1,609	-5	-0.3%
79.0%	1,598	1,604	7	0.4%
80.2%	1,522	1,603	80	5.3%
81.5%	1,522	1,591	70	4.6%
82.7%	1,505	1,589	84	5.6%
84.0%	1,483	1,519	36	2.4%
85.2%	1,474	1,413	-62	-4.2%
86.4%	1,352	1,405	53	3.9%
87.7%	1,349	1,378	29	2.1%
88.9%	1,349	1,361	13	0.9%
90.1%	1,341	1,354	13	0.9%
91.4%	1,298	1,326	28	2.1%
92.6%	1,275	1,235	-40	-3.2%
93.8%	1,214	1,228	13	1.1%
95.1%	1,080	1,194	114	10.6%
96.3%	1,018	1,155	137	13.4%
97.5%	1,018	1,124	106	10.4%
98.8%	1,005	1,092	87	8.6%
100.0%	963	1,077	115	11.9%

Table SW-18-5b
Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,106	28	0.9%
1.2%	3,059	3,078	19	0.6%
2.5%	3,057	3,059	2	0.1%
3.7%	3,009	3,057	48	1.6%
4.9%	2,997	3,009	12	0.4%
6.2%	2,996	3,005	10	0.3%
7.4%	2,987	2,997	10	0.3%
8.6%	2,962	2,987	25	0.8%
9.9%	2,952	2,962	10	0.3%
11.1%	2,951	2,952	1	0.0%
12.3%	2,934	2,935	2	0.1%
13.6%	2,925	2,925	0	0.0%
14.8%	2,895	2,905	10	0.4%
16.0%	2,890	2,890	0	0.0%
17.3%	2,884	2,884	0	0.0%
18.5%	2,856	2,873	17	0.6%
19.8%	2,845	2,860	15	0.5%
21.0%	2,839	2,856	17	0.6%
22.2%	2,832	2,847	15	0.5%
23.5%	2,820	2,839	19	0.7%
24.7%	2,813	2,832	19	0.7%
25.9%	2,806	2,826	20	0.7%
27.2%	2,797	2,813	16	0.6%
28.4%	2,788	2,806	18	0.6%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,788	1	0.0%
45.7%	2,761	2,788	27	1.0%
46.9%	2,752	2,787	35	1.3%
48.1%	2,744	2,778	34	1.3%
49.4%	2,739	2,680	-59	-2.1%
50.6%	2,600	2,648	47	1.8%
51.9%	2,586	2,639	52	2.0%
53.1%	2,552	2,599	47	1.8%
54.3%	2,492	2,582	90	3.6%
55.6%	2,477	2,551	74	3.0%
56.8%	2,455	2,512	57	2.3%
58.0%	2,400	2,490	90	3.8%
59.3%	2,400	2,400	1	0.0%
60.5%	2,347	2,320	-26	-1.1%
61.7%	2,347	2,303	-44	-1.9%
63.0%	2,235	2,264	29	1.3%
64.2%	2,155	2,212	57	2.6%
65.4%	2,131	2,211	80	3.7%
66.7%	2,098	2,186	89	4.2%
67.9%	2,086	2,135	49	2.4%
69.1%	2,042	2,106	64	3.2%
70.4%	2,011	2,034	23	1.1%
71.6%	1,992	2,016	24	1.2%
72.8%	1,967	2,012	45	2.3%
74.1%	1,928	2,009	81	4.2%
75.3%	1,915	1,974	58	3.0%
76.5%	1,895	1,966	71	3.7%
77.8%	1,866	1,905	39	2.1%
79.0%	1,838	1,903	65	3.5%
80.2%	1,829	1,892	63	3.4%
81.5%	1,818	1,850	32	1.7%
82.7%	1,808	1,819	11	0.6%
84.0%	1,795	1,786	-9	-0.5%
85.2%	1,782	1,780	-1	-0.1%
86.4%	1,698	1,774	76	4.5%
87.7%	1,648	1,766	118	7.2%
88.9%	1,569	1,674	105	6.7%
90.1%	1,489	1,515	26	1.7%
91.4%	1,416	1,428	12	0.9%
92.6%	1,322	1,377	55	4.1%
93.8%	1,264	1,373	110	8.7%
95.1%	1,212	1,336	125	10.3%
96.3%	1,201	1,316	115	9.6%
97.5%	1,199	1,285	87	7.2%
98.8%	1,168	1,140	-28	-2.4%
100.0%	978	1,139	162	16.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,162	3,163	1	0.0%
3.7%	3,133	3,162	29	0.9%
4.9%	3,123	3,133	10	0.3%
6.2%	3,120	3,123	3	0.1%
7.4%	3,105	3,120	15	0.5%
8.6%	3,096	3,105	9	0.3%
9.9%	3,063	3,096	33	1.1%
11.1%	3,059	3,063	4	0.1%
12.3%	3,058	3,059	1	0.0%
13.6%	3,054	3,058	4	0.1%
14.8%	3,036	3,054	18	0.6%
16.0%	3,028	3,036	8	0.3%
17.3%	3,027	3,028	1	0.0%
18.5%	3,024	3,027	3	0.1%
19.8%	3,018	3,024	6	0.2%
21.0%	2,999	3,018	19	0.6%
22.2%	2,995	3,001	6	0.2%
23.5%	2,990	2,999	9	0.3%
24.7%	2,988	2,995	7	0.2%
25.9%	2,978	2,990	12	0.4%
27.2%	2,964	2,988	24	0.8%
28.4%	2,964	2,964	0	0.0%
29.6%	2,954	2,964	10	0.3%
30.9%	2,951	2,954	3	0.1%
32.1%	2,944	2,951	7	0.2%
33.3%	2,943	2,944	1	0.0%
34.6%	2,937	2,943	6	0.2%
35.8%	2,936	2,937	1	0.0%
37.0%	2,927	2,936	9	0.3%
38.3%	2,922	2,927	5	0.2%
39.5%	2,918	2,922	4	0.1%
40.7%	2,909	2,918	9	0.3%
42.0%	2,860	2,871	11	0.4%
43.2%	2,847	2,866	19	0.7%
44.4%	2,833	2,847	14	0.5%
45.7%	2,817	2,833	16	0.6%
46.9%	2,817	2,818	1	0.0%
48.1%	2,814	2,817	3	0.1%
49.4%	2,804	2,817	13	0.5%
50.6%	2,797	2,816	19	0.7%
51.9%	2,788	2,804	16	0.6%
53.1%	2,788	2,797	9	0.3%
54.3%	2,788	2,788	0	0.0%
55.6%	2,788	2,788	0	0.0%
56.8%	2,788	2,788	0	0.0%
58.0%	2,788	2,788	0	0.0%
59.3%	2,788	2,788	0	0.0%
60.5%	2,759	2,788	29	1.1%
61.7%	2,738	2,788	50	1.8%
63.0%	2,689	2,749	60	2.2%
64.2%	2,680	2,706	26	1.0%
65.4%	2,523	2,614	91	3.6%
66.7%	2,481	2,534	53	2.1%
67.9%	2,427	2,534	107	4.4%
69.1%	2,378	2,512	134	5.6%
70.4%	2,334	2,413	78	3.4%
71.6%	2,328	2,348	20	0.9%
72.8%	2,272	2,319	47	2.1%
74.1%	2,239	2,308	69	3.1%
75.3%	2,235	2,275	40	1.8%
76.5%	2,180	2,253	74	3.4%
77.8%	2,173	2,235	62	2.9%
79.0%	2,144	2,228	84	3.9%
80.2%	2,127	2,203	75	3.5%
81.5%	2,125	2,164	40	1.9%
82.7%	2,104	2,095	-9	-0.4%
84.0%	2,053	2,077	24	1.2%
85.2%	2,005	2,015	10	0.5%
86.4%	1,961	1,990	28	1.4%
87.7%	1,867	1,977	110	5.9%
88.9%	1,851	1,958	107	5.8%
90.1%	1,765	1,746	-19	-1.1%
91.4%	1,554	1,593	39	2.5%
92.6%	1,483	1,565	82	5.6%
93.8%	1,475	1,536	61	4.1%
95.1%	1,464	1,533	69	4.7%
96.3%	1,441	1,525	84	5.8%
97.5%	1,363	1,516	153	11.3%
98.8%	1,289	1,341	51	4.0%
100.0%	1,211	1,151	-60	-4.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,446	3,446	0	0.0%
4.9%	3,433	3,433	0	0.0%
6.2%	3,427	3,427	0	0.0%
7.4%	3,396	3,396	0	0.0%
8.6%	3,389	3,389	0	0.0%
9.9%	3,362	3,362	0	0.0%
11.1%	3,362	3,362	0	0.0%
12.3%	3,357	3,357	0	0.0%
13.6%	3,354	3,354	0	0.0%
14.8%	3,354	3,354	0	0.0%
16.0%	3,352	3,352	0	0.0%
17.3%	3,350	3,350	0	0.0%
18.5%	3,334	3,334	0	0.0%
19.8%	3,324	3,324	0	0.0%
21.0%	3,305	3,305	0	0.0%
22.2%	3,303	3,303	0	0.0%
23.5%	3,298	3,298	0	0.0%
24.7%	3,296	3,296	0	0.0%
25.9%	3,294	3,294	0	0.0%
27.2%	3,292	3,292	0	0.0%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,284	0	0.0%
30.9%	3,281	3,281	0	0.0%
32.1%	3,277	3,277	0	0.0%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,246	5	0.2%
35.8%	3,238	3,241	3	0.1%
37.0%	3,236	3,238	2	0.1%
38.3%	3,235	3,236	1	0.0%
39.5%	3,234	3,235	1	0.0%
40.7%	3,218	3,234	16	0.5%
42.0%	3,208	3,227	19	0.6%
43.2%	3,208	3,218	10	0.3%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,208	18	0.6%
46.9%	3,181	3,203	22	0.7%
48.1%	3,180	3,190	10	0.3%
49.4%	3,167	3,181	14	0.5%
50.6%	3,143	3,180	37	1.2%
51.9%	3,139	3,173	34	1.1%
53.1%	3,134	3,167	32	1.0%
54.3%	3,121	3,163	42	1.3%
55.6%	3,097	3,143	46	1.5%
56.8%	3,086	3,139	53	1.7%
58.0%	3,066	3,092	26	0.9%
59.3%	3,065	3,086	22	0.7%
60.5%	3,031	3,083	52	1.7%
61.7%	2,960	3,067	107	3.6%
63.0%	2,940	2,998	57	2.0%
64.2%	2,901	2,974	72	2.5%
65.4%	2,865	2,952	86	3.0%
66.7%	2,829	2,907	78	2.8%
67.9%	2,679	2,828	149	5.6%
69.1%	2,677	2,739	62	2.3%
70.4%	2,670	2,673	3	0.1%
71.6%	2,626	2,638	12	0.5%
72.8%	2,622	2,598	-24	-0.9%
74.1%	2,533	2,570	37	1.5%
75.3%	2,458	2,552	94	3.8%
76.5%	2,424	2,533	109	4.5%
77.8%	2,404	2,531	128	5.3%
79.0%	2,399	2,483	84	3.5%
80.2%	2,394	2,420	26	1.1%
81.5%	2,289	2,382	93	4.1%
82.7%	2,273	2,375	103	4.5%
84.0%	2,258	2,287	28	1.3%
85.2%	2,252	2,280	28	1.2%
86.4%	2,076	2,256	181	8.7%
87.7%	2,072	2,056	-16	-0.8%
88.9%	1,935	1,946	10	0.5%
90.1%	1,902	1,879	-24	-1.2%
91.4%	1,753	1,862	110	6.3%
92.6%	1,696	1,782	85	5.0%
93.8%	1,604	1,684	80	5.0%
95.1%	1,534	1,677	142	9.3%
96.3%	1,522	1,614	91	6.0%
97.5%	1,395	1,546	151	10.8%
98.8%	1,360	1,411	51	3.8%
100.0%	1,100	1,052	-48	-4.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,538	0	0.0%
27.2%	3,538	3,538	0	0.0%
28.4%	3,538	3,538	0	0.0%
29.6%	3,538	3,538	0	0.0%
30.9%	3,538	3,538	0	0.0%
32.1%	3,538	3,538	0	0.0%
33.3%	3,538	3,538	0	0.0%
34.6%	3,536	3,536	0	0.0%
35.8%	3,531	3,532	0	0.0%
37.0%	3,527	3,527	0	0.0%
38.3%	3,507	3,512	6	0.2%
39.5%	3,494	3,507	13	0.4%
40.7%	3,482	3,494	12	0.4%
42.0%	3,460	3,482	22	0.6%
43.2%	3,414	3,460	46	1.4%
44.4%	3,405	3,414	8	0.2%
45.7%	3,371	3,405	34	1.0%
46.9%	3,363	3,363	0	0.0%
48.1%	3,346	3,346	0	0.0%
49.4%	3,296	3,339	43	1.3%
50.6%	3,267	3,301	34	1.1%
51.9%	3,235	3,296	61	1.9%
53.1%	3,233	3,266	34	1.0%
54.3%	3,207	3,255	48	1.5%
55.6%	3,205	3,233	28	0.9%
56.8%	3,190	3,211	22	0.7%
58.0%	3,176	3,206	29	0.9%
59.3%	3,133	3,176	43	1.4%
60.5%	3,110	3,140	29	0.9%
61.7%	2,970	3,085	116	3.9%
63.0%	2,943	3,035	92	3.1%
64.2%	2,936	3,032	95	3.2%
65.4%	2,891	3,016	125	4.3%
66.7%	2,884	2,972	88	3.0%
67.9%	2,867	2,954	87	3.0%
69.1%	2,858	2,941	84	2.9%
70.4%	2,834	2,930	96	3.4%
71.6%	2,819	2,835	16	0.6%
72.8%	2,787	2,814	27	1.0%
74.1%	2,731	2,778	47	1.7%
75.3%	2,675	2,744	68	2.6%
76.5%	2,598	2,719	121	4.6%
77.8%	2,584	2,609	25	1.0%
79.0%	2,500	2,599	99	4.0%
80.2%	2,464	2,518	54	2.2%
81.5%	2,432	2,452	20	0.8%
82.7%	2,368	2,386	18	0.7%
84.0%	2,346	2,375	29	1.2%
85.2%	2,104	2,315	211	10.0%
86.4%	2,036	2,300	265	13.0%
87.7%	1,997	2,201	203	10.2%
88.9%	1,967	1,991	24	1.2%
90.1%	1,956	1,857	-100	-5.1%
91.4%	1,893	1,852	-40	-2.1%
92.6%	1,714	1,816	102	6.0%
93.8%	1,655	1,810	154	9.3%
95.1%	1,535	1,576	41	2.7%
96.3%	1,475	1,559	85	5.7%
97.5%	1,419	1,502	83	5.8%
98.8%	1,309	1,470	162	12.3%
100.0%	1,042	994	-48	-4.6%

Table SW-18-5b
Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,537	-1	0.0%
19.8%	3,538	3,533	-5	-0.1%
21.0%	3,538	3,525	-13	-0.4%
22.2%	3,538	3,518	-20	-0.6%
23.5%	3,538	3,517	-21	-0.6%
24.7%	3,538	3,514	-24	-0.7%
25.9%	3,538	3,511	-27	-0.8%
27.2%	3,538	3,511	-27	-0.8%
28.4%	3,538	3,509	-29	-0.8%
29.6%	3,538	3,496	-42	-1.2%
30.9%	3,538	3,495	-43	-1.2%
32.1%	3,495	3,491	-3	-0.1%
33.3%	3,486	3,412	-74	-2.1%
34.6%	3,467	3,401	-66	-1.9%
35.8%	3,424	3,398	-26	-0.8%
37.0%	3,422	3,379	-44	-1.3%
38.3%	3,349	3,378	29	0.9%
39.5%	3,305	3,310	4	0.1%
40.7%	3,279	3,277	-2	-0.1%
42.0%	3,260	3,265	5	0.2%
43.2%	3,258	3,251	-7	-0.2%
44.4%	3,212	3,238	26	0.8%
45.7%	3,210	3,231	21	0.7%
46.9%	3,193	3,218	25	0.8%
48.1%	3,167	3,195	29	0.9%
49.4%	3,109	3,186	77	2.5%
50.6%	3,103	3,138	35	1.1%
51.9%	3,101	3,130	29	0.9%
53.1%	3,082	3,103	20	0.7%
54.3%	3,054	3,100	46	1.5%
55.6%	3,030	3,086	56	1.8%
56.8%	2,991	3,009	17	0.6%
58.0%	2,949	3,006	57	1.9%
59.3%	2,924	2,961	36	1.2%
60.5%	2,886	2,923	37	1.3%
61.7%	2,883	2,921	38	1.3%
63.0%	2,871	2,899	28	1.0%
64.2%	2,847	2,856	8	0.3%
65.4%	2,826	2,846	19	0.7%
66.7%	2,703	2,791	88	3.3%
67.9%	2,687	2,769	83	3.1%
69.1%	2,681	2,708	27	1.0%
70.4%	2,635	2,700	64	2.4%
71.6%	2,595	2,691	96	3.7%
72.8%	2,578	2,650	72	2.8%
74.1%	2,544	2,593	49	1.9%
75.3%	2,477	2,557	80	3.2%
76.5%	2,363	2,510	147	6.2%
77.8%	2,315	2,466	151	6.5%
79.0%	2,299	2,421	122	5.3%
80.2%	2,294	2,397	103	4.5%
81.5%	2,271	2,283	12	0.5%
82.7%	2,151	2,216	65	3.0%
84.0%	2,142	2,204	63	2.9%
85.2%	2,019	2,178	159	7.9%
86.4%	1,836	2,137	301	16.4%
87.7%	1,782	2,082	299	16.8%
88.9%	1,777	1,748	-29	-1.6%
90.1%	1,714	1,706	-7	-0.4%
91.4%	1,672	1,678	6	0.3%
92.6%	1,551	1,658	107	6.9%
93.8%	1,484	1,585	101	6.8%
95.1%	1,384	1,473	89	6.4%
96.3%	1,319	1,434	116	8.8%
97.5%	1,165	1,408	243	20.8%
98.8%	1,112	1,320	208	18.7%
100.0%	824	780	-44	-5.3%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,537	-1	0.0%
3.7%	3,538	3,475	-63	-1.8%
4.9%	3,538	3,458	-80	-2.2%
6.2%	3,447	3,425	-22	-0.6%
7.4%	3,385	3,417	32	1.0%
8.6%	3,374	3,346	-28	-0.8%
9.9%	3,324	3,260	-64	-1.9%
11.1%	3,220	3,232	12	0.4%
12.3%	3,197	3,184	-13	-0.4%
13.6%	3,170	3,168	-2	-0.1%
14.8%	3,130	3,139	9	0.3%
16.0%	3,115	3,100	-15	-0.5%
17.3%	3,095	3,085	-9	-0.3%
18.5%	3,059	3,028	-31	-1.0%
19.8%	3,031	3,023	-8	-0.3%
21.0%	3,027	3,017	-9	-0.3%
22.2%	3,021	2,984	-38	-1.2%
23.5%	3,009	2,984	-26	-0.8%
24.7%	2,999	2,981	-18	-0.6%
25.9%	2,993	2,973	-20	-0.7%
27.2%	2,976	2,945	-31	-1.1%
28.4%	2,973	2,945	-28	-1.0%
29.6%	2,956	2,923	-33	-1.1%
30.9%	2,944	2,916	-28	-1.0%
32.1%	2,898	2,899	1	0.0%
33.3%	2,893	2,871	-22	-0.8%
34.6%	2,859	2,819	-40	-1.4%
35.8%	2,824	2,789	-35	-1.2%
37.0%	2,810	2,784	-26	-0.9%
38.3%	2,752	2,780	28	1.0%
39.5%	2,680	2,758	79	2.9%
40.7%	2,663	2,693	30	1.1%
42.0%	2,645	2,689	44	1.7%
43.2%	2,644	2,649	6	0.2%
44.4%	2,636	2,649	13	0.5%
45.7%	2,635	2,639	4	0.2%
46.9%	2,622	2,639	17	0.6%
48.1%	2,553	2,623	69	2.7%
49.4%	2,539	2,622	83	3.3%
50.6%	2,535	2,583	49	1.9%
51.9%	2,523	2,555	32	1.3%
53.1%	2,464	2,530	66	2.7%
54.3%	2,457	2,501	43	1.8%
55.6%	2,412	2,481	69	2.9%
56.8%	2,393	2,461	68	2.9%
58.0%	2,313	2,406	93	4.0%
59.3%	2,307	2,371	64	2.8%
60.5%	2,301	2,343	42	1.8%
61.7%	2,298	2,306	8	0.4%
63.0%	2,275	2,262	-13	-0.6%
64.2%	2,240	2,255	15	0.7%
65.4%	2,191	2,221	30	1.3%
66.7%	2,076	2,179	102	4.9%
67.9%	2,074	2,158	84	4.0%
69.1%	2,074	2,132	58	2.8%
70.4%	2,068	2,110	42	2.0%
71.6%	2,060	2,066	6	0.3%
72.8%	2,037	2,013	-23	-1.2%
74.1%	1,960	2,012	52	2.6%
75.3%	1,883	1,995	112	6.0%
76.5%	1,779	1,967	188	10.6%
77.8%	1,774	1,911	138	7.8%
79.0%	1,717	1,892	175	10.2%
80.2%	1,686	1,887	201	11.9%
81.5%	1,679	1,859	181	10.8%
82.7%	1,583	1,695	112	7.1%
84.0%	1,556	1,680	124	8.0%
85.2%	1,555	1,615	59	3.8%
86.4%	1,307	1,596	289	22.1%
87.7%	1,210	1,486	276	22.8%
88.9%	1,207	1,374	167	13.8%
90.1%	1,176	1,251	75	6.4%
91.4%	1,162	1,216	54	4.6%
92.6%	1,011	1,144	133	13.1%
93.8%	983	1,117	133	13.5%
95.1%	975	1,116	141	14.4%
96.3%	973	1,086	113	11.6%
97.5%	970	1,027	57	5.9%
98.8%	898	988	90	10.0%
100.0%	767	723	-43	-5.7%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,456	-82	-2.3%
1.2%	3,538	3,416	-122	-3.4%
2.5%	3,526	3,407	-119	-3.4%
3.7%	3,486	3,389	-98	-2.8%
4.9%	3,469	3,312	-157	-4.5%
6.2%	3,323	3,301	-22	-0.7%
7.4%	3,315	3,296	-19	-0.6%
8.6%	3,284	3,175	-109	-3.3%
9.9%	3,211	3,153	-59	-1.8%
11.1%	3,204	3,150	-55	-1.7%
12.3%	3,004	3,000	-4	-0.1%
13.6%	2,991	2,993	2	0.1%
14.8%	2,988	2,976	-12	-0.4%
16.0%	2,932	2,887	-45	-1.5%
17.3%	2,912	2,880	-31	-1.1%
18.5%	2,837	2,873	36	1.3%
19.8%	2,811	2,856	45	1.6%
21.0%	2,793	2,791	-3	-0.1%
22.2%	2,714	2,768	55	2.0%
23.5%	2,711	2,767	56	2.1%
24.7%	2,675	2,738	63	2.4%
25.9%	2,622	2,647	25	0.9%
27.2%	2,617	2,642	25	0.9%
28.4%	2,551	2,589	38	1.5%
29.6%	2,551	2,554	2	0.1%
30.9%	2,538	2,550	12	0.5%
32.1%	2,516	2,515	-1	0.0%
33.3%	2,492	2,502	10	0.4%
34.6%	2,439	2,500	61	2.5%
35.8%	2,414	2,439	25	1.0%
37.0%	2,359	2,424	66	2.8%
38.3%	2,341	2,410	69	2.9%
39.5%	2,279	2,387	108	4.7%
40.7%	2,275	2,341	66	2.9%
42.0%	2,266	2,339	73	3.2%
43.2%	2,248	2,313	65	2.9%
44.4%	2,247	2,307	59	2.6%
45.7%	2,226	2,281	55	2.5%
46.9%	2,218	2,271	52	2.4%
48.1%	2,192	2,260	68	3.1%
49.4%	2,172	2,244	72	3.3%
50.6%	2,117	2,183	66	3.1%
51.9%	2,077	2,168	90	4.3%
53.1%	2,069	2,147	78	3.8%
54.3%	2,030	2,021	-9	-0.5%
55.6%	2,023	2,017	-5	-0.3%
56.8%	1,989	1,970	-19	-0.9%
58.0%	1,948	1,966	18	0.9%
59.3%	1,879	1,956	78	4.1%
60.5%	1,865	1,899	33	1.8%
61.7%	1,853	1,847	-6	-0.3%
63.0%	1,826	1,802	-24	-1.3%
64.2%	1,774	1,733	-41	-2.3%
65.4%	1,742	1,723	-19	-1.1%
66.7%	1,728	1,718	-10	-0.6%
67.9%	1,676	1,711	34	2.0%
69.1%	1,658	1,671	13	0.8%
70.4%	1,624	1,641	17	1.0%
71.6%	1,608	1,639	31	1.9%
72.8%	1,513	1,605	92	6.0%
74.1%	1,476	1,556	80	5.5%
75.3%	1,462	1,552	90	6.1%
76.5%	1,422	1,477	55	3.9%
77.8%	1,357	1,450	93	6.9%
79.0%	1,296	1,449	154	11.8%
80.2%	1,296	1,378	82	6.3%
81.5%	1,240	1,352	111	9.0%
82.7%	1,157	1,262	105	9.0%
84.0%	1,130	1,220	90	7.9%
85.2%	1,106	1,196	90	8.1%
86.4%	1,093	1,184	90	8.3%
87.7%	1,090	1,073	-18	-1.6%
88.9%	1,077	1,064	-13	-1.2%
90.1%	1,021	1,054	34	3.3%
91.4%	951	1,048	98	10.3%
92.6%	943	1,047	103	10.9%
93.8%	902	982	80	8.8%
95.1%	874	980	107	12.2%
96.3%	873	946	73	8.3%
97.5%	860	939	80	9.2%
98.8%	835	929	94	11.3%
100.0%	766	723	-43	-5.6%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,351	3,351	0	0.0%
1.2%	3,351	3,351	0	0.0%
2.5%	3,237	3,117	-119	-3.7%
3.7%	3,116	2,889	-228	-7.3%
4.9%	3,061	2,869	-192	-6.3%
6.2%	3,014	2,855	-158	-5.3%
7.4%	2,920	2,850	-70	-2.4%
8.6%	2,853	2,746	-107	-3.8%
9.9%	2,786	2,631	-155	-5.6%
11.1%	2,690	2,620	-70	-2.6%
12.3%	2,638	2,562	-76	-2.9%
13.6%	2,470	2,526	56	2.3%
14.8%	2,431	2,493	61	2.5%
16.0%	2,431	2,446	15	0.6%
17.3%	2,430	2,429	-2	-0.1%
18.5%	2,394	2,365	-29	-1.2%
19.8%	2,338	2,340	2	0.1%
21.0%	2,317	2,333	17	0.7%
22.2%	2,273	2,333	61	2.7%
23.5%	2,255	2,297	42	1.8%
24.7%	2,245	2,253	9	0.4%
25.9%	2,187	2,227	40	1.8%
27.2%	2,177	2,220	43	2.0%
28.4%	2,168	2,217	49	2.3%
29.6%	2,166	2,204	38	1.7%
30.9%	2,152	2,168	17	0.8%
32.1%	2,109	2,167	58	2.8%
33.3%	2,090	2,152	62	3.0%
34.6%	2,072	2,110	38	1.8%
35.8%	2,029	2,101	71	3.5%
37.0%	1,983	2,067	84	4.2%
38.3%	1,982	2,047	65	3.3%
39.5%	1,971	2,022	51	2.6%
40.7%	1,955	2,021	67	3.4%
42.0%	1,938	2,008	71	3.6%
43.2%	1,933	1,954	21	1.1%
44.4%	1,892	1,946	54	2.9%
45.7%	1,892	1,946	54	2.9%
46.9%	1,865	1,942	77	4.1%
48.1%	1,837	1,914	78	4.2%
49.4%	1,833	1,901	68	3.7%
50.6%	1,821	1,866	45	2.5%
51.9%	1,804	1,819	15	0.8%
53.1%	1,797	1,775	-23	-1.3%
54.3%	1,776	1,770	-6	-0.3%
55.6%	1,754	1,726	-28	-1.6%
56.8%	1,715	1,724	9	0.5%
58.0%	1,690	1,721	31	1.8%
59.3%	1,643	1,676	33	2.0%
60.5%	1,609	1,593	-16	-1.0%
61.7%	1,603	1,578	-25	-1.6%
63.0%	1,596	1,564	-32	-2.0%
64.2%	1,561	1,544	-17	-1.1%
65.4%	1,557	1,511	-46	-2.9%
66.7%	1,554	1,492	-61	-4.0%
67.9%	1,527	1,486	-41	-2.7%
69.1%	1,527	1,479	-48	-3.1%
70.4%	1,446	1,475	28	2.0%
71.6%	1,389	1,426	38	2.7%
72.8%	1,364	1,392	28	2.0%
74.1%	1,357	1,362	5	0.4%
75.3%	1,325	1,333	9	0.7%
76.5%	1,261	1,327	67	5.3%
77.8%	1,223	1,249	26	2.2%
79.0%	1,185	1,199	14	1.2%
80.2%	1,163	1,182	19	1.6%
81.5%	1,137	1,162	26	2.3%
82.7%	1,129	1,161	33	2.9%
84.0%	1,097	1,130	32	3.0%
85.2%	1,071	1,062	-9	-0.9%
86.4%	1,037	1,032	-5	-0.5%
87.7%	1,025	1,018	-6	-0.6%
88.9%	1,014	1,017	2	0.2%
90.1%	949	996	47	4.9%
91.4%	922	982	60	6.6%
92.6%	921	979	58	6.3%
93.8%	874	979	105	12.0%
95.1%	857	909	52	6.1%
96.3%	809	898	89	10.9%
97.5%	774	816	42	5.4%
98.8%	744	793	50	6.7%
100.0%	712	731	19	2.6%

Table SW-19-5a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative B	754	760	775	796	815	832	853	862	853	815	786	759
Difference	3	3	4	4	3	3	3	3	3	5	4	2
Percent Difference[3]	0.4%	0.4%	0.5%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.6%	0.5%	0.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative B	813	819	827	839	854	859	884	898	896	871	857	821
Difference	0	0	3	0	0	0	0	0	0	-1	-1	-1
Percent Difference	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative B	776	781	795	810	837	859	884	897	888	849	821	783
Difference	-2	-3	1	3	2	1	1	0	-2	-2	-1	-3
Percent Difference	-0.3%	-0.3%	0.2%	0.3%	0.2%	0.1%	0.1%	0.0%	-0.2%	-0.2%	-0.1%	-0.4%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative B	776	782	797	792	814	836	865	880	872	831	797	779
Difference	7	6	3	9	5	4	4	4	3	4	6	6
Percent Difference	0.9%	0.8%	0.3%	1.1%	0.6%	0.5%	0.4%	0.4%	0.3%	0.4%	0.7%	0.7%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative B	700	710	737	766	790	819	835	841	826	774	725	705
Difference	3	4	5	3	3	3	4	5	7	10	6	2
Percent Difference	0.5%	0.5%	0.7%	0.3%	0.4%	0.4%	0.4%	0.6%	0.9%	1.4%	0.9%	0.3%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative B	658	662	677	737	748	763	765	763	745	698	674	662
Difference	9	9	6	8	8	6	8	9	12	15	12	9
Percent Difference	1.3%	1.3%	0.9%	1.1%	1.1%	0.8%	1.1%	1.1%	1.6%	2.3%	1.9%	1.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-19-5b
Lake Oroville, End of Month Elevation
Probability of Exceedance

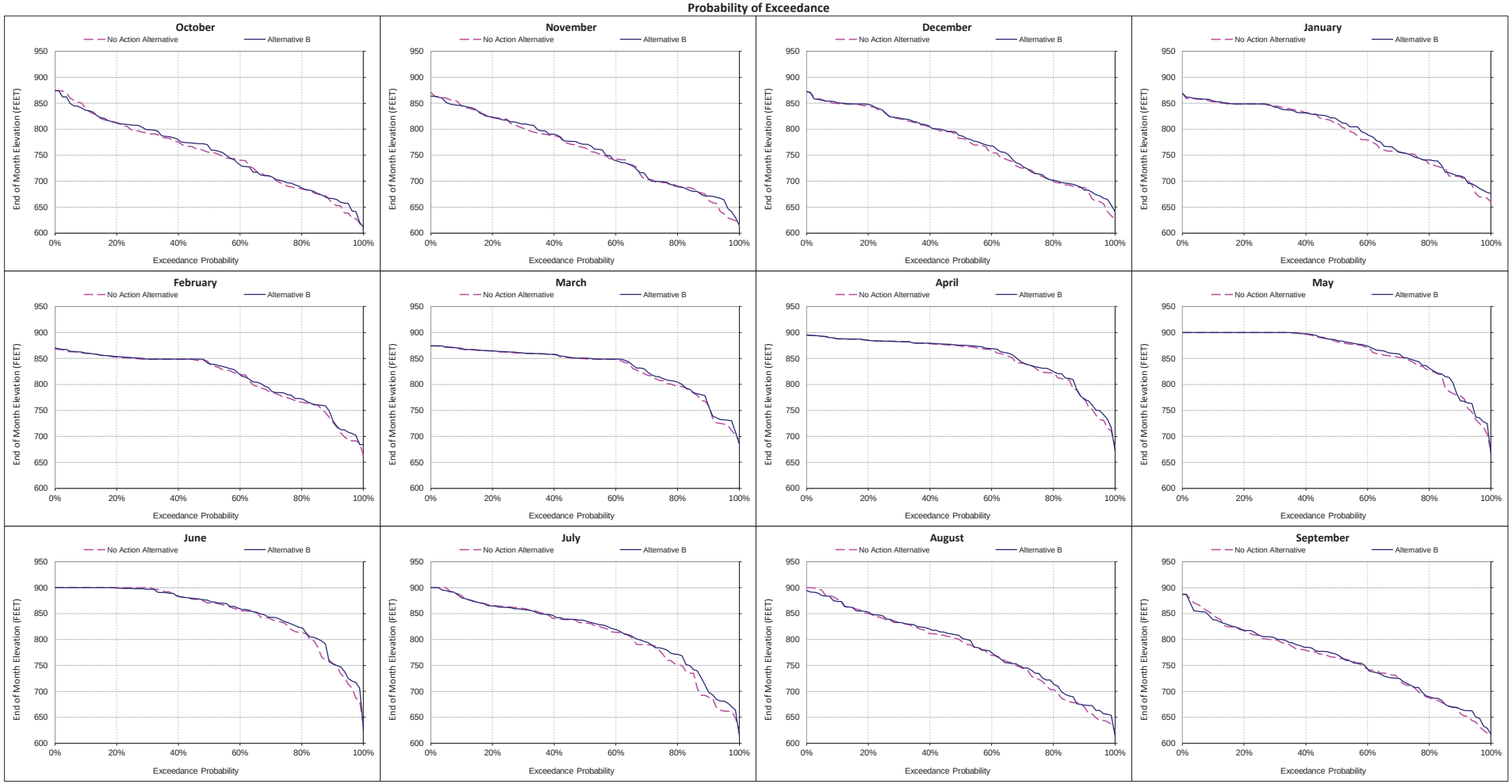

Table SW-19-5b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	873	862	-11	-1.3%
3.7%	870	862	-8	-0.9%
4.9%	860	850	-10	-1.2%
6.2%	856	845	-11	-1.3%
7.4%	852	844	-8	-0.9%
8.6%	850	841	-9	-1.1%
9.9%	840	836	-3	-0.4%
11.1%	834	835	1	0.2%
12.3%	830	833	3	0.3%
13.6%	828	826	-2	-0.2%
14.8%	821	822	1	0.1%
16.0%	818	821	3	0.4%
17.3%	816	816	0	0.0%
18.5%	815	815	0	0.0%
19.8%	813	813	0	-0.1%
21.0%	811	810	-1	-0.1%
22.2%	806	810	4	0.5%
23.5%	805	809	4	0.5%
24.7%	799	808	9	1.1%
25.9%	797	808	11	1.3%
27.2%	797	807	10	1.3%
28.4%	794	803	9	1.1%
29.6%	793	799	6	0.8%
30.9%	791	799	8	1.0%
32.1%	791	798	7	0.9%
33.3%	790	796	7	0.9%
34.6%	785	788	3	0.4%
35.8%	783	786	3	0.4%
37.0%	783	786	3	0.4%
38.3%	778	784	6	0.7%
39.5%	777	782	5	0.7%
40.7%	772	776	4	0.5%
42.0%	768	775	7	0.9%
43.2%	767	775	8	1.0%
44.4%	767	773	6	0.8%
45.7%	763	773	10	1.3%
46.9%	762	772	10	1.3%
48.1%	759	772	13	1.7%
49.4%	756	770	14	1.9%
50.6%	755	760	5	0.7%
51.9%	754	759	5	0.6%
53.1%	751	757	6	0.8%
54.3%	748	755	7	0.9%
55.6%	744	750	5	0.7%
56.8%	744	744	0	0.0%
58.0%	743	741	-2	-0.3%
59.3%	740	734	-6	-0.8%
60.5%	740	729	-11	-1.5%
61.7%	739	728	-11	-1.5%
63.0%	729	727	-2	-0.3%
64.2%	725	717	-7	-1.0%
65.4%	718	717	-1	-0.2%
66.7%	716	712	-5	-0.6%
67.9%	711	711	-1	-0.1%
69.1%	710	710	0	0.0%
70.4%	709	708	0	-0.1%
71.6%	701	703	2	0.3%
72.8%	697	702	4	0.6%
74.1%	695	700	5	0.7%
75.3%	690	697	6	0.9%
76.5%	689	696	7	1.1%
77.8%	687	693	6	0.9%
79.0%	686	691	4	0.6%
80.2%	684	686	1	0.2%
81.5%	684	683	-1	-0.1%
82.7%	681	683	1	0.2%
84.0%	677	680	3	0.4%
85.2%	675	676	1	0.1%
86.4%	675	673	-2	-0.3%
87.7%	672	669	-3	-0.4%
88.9%	664	667	2	0.3%
90.1%	656	666	11	1.7%
91.4%	653	664	11	1.7%
92.6%	652	659	7	1.0%
93.8%	639	658	19	2.9%
95.1%	639	657	19	2.9%
96.3%	629	643	14	2.2%
97.5%	628	641	13	2.1%
98.8%	619	621	1	0.2%
100.0%	605	611	6	1.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	864	-8	-0.9%
1.2%	864	863	-1	-0.1%
2.5%	862	862	0	0.0%
3.7%	861	860	-1	-0.1%
4.9%	860	852	-8	-1.0%
6.2%	857	849	-8	-1.0%
7.4%	856	847	-9	-1.0%
8.6%	854	846	-7	-0.9%
9.9%	845	846	1	0.1%
11.1%	841	844	3	0.3%
12.3%	841	842	2	0.2%
13.6%	838	841	3	0.3%
14.8%	838	837	-1	-0.1%
16.0%	833	831	-2	-0.3%
17.3%	827	829	2	0.2%
18.5%	824	825	1	0.1%
19.8%	822	824	1	0.2%
21.0%	822	822	0	0.0%
22.2%	821	820	-1	-0.1%
23.5%	820	818	-2	-0.2%
24.7%	819	817	-2	-0.2%
25.9%	811	815	3	0.4%
27.2%	810	814	4	0.5%
28.4%	805	812	7	0.8%
29.6%	803	810	7	0.9%
30.9%	800	810	10	1.3%
32.1%	797	808	11	1.4%
33.3%	794	807	13	1.6%
34.6%	793	800	6	0.8%
35.8%	791	797	6	0.8%
37.0%	790	797	6	0.8%
38.3%	789	791	2	0.2%
39.5%	787	790	3	0.4%
40.7%	787	789	2	0.3%
42.0%	784	785	1	0.1%
43.2%	775	778	3	0.4%
44.4%	773	777	4	0.5%
45.7%	771	776	6	0.8%
46.9%	770	776	6	0.8%
48.1%	767	773	6	0.8%
49.4%	765	771	6	0.8%
50.6%	763	771	8	1.1%
51.9%	757	768	11	1.5%
53.1%	756	762	6	0.8%
54.3%	753	761	8	1.1%
55.6%	750	760	10	1.4%
56.8%	749	750	1	0.1%
58.0%	743	749	6	0.8%
59.3%	742	741	-1	-0.2%
60.5%	742	739	-3	-0.4%
61.7%	741	736	-5	-0.7%
63.0%	741	735	-6	-0.8%
64.2%	732	732	0	0.0%
65.4%	729	731	2	0.2%
66.7%	728	723	-5	-0.7%
67.9%	713	716	4	0.5%
69.1%	704	716	12	1.7%
70.4%	703	705	2	0.3%
71.6%	703	700	-3	-0.5%
72.8%	699	700	1	0.1%
74.1%	699	699	1	0.1%
75.3%	697	699	2	0.2%
76.5%	697	698	1	0.1%
77.8%	691	693	2	0.3%
79.0%	691	693	2	0.3%
80.2%	690	689	-1	-0.1%
81.5%	688	689	0	0.0%
82.7%	688	686	-2	-0.3%
84.0%	687	682	-5	-0.8%
85.2%	686	680	-5	-0.8%
86.4%	679	680	1	0.1%
87.7%	678	674	-3	-0.5%
88.9%	675	671	-4	-0.5%
90.1%	662	671	9	1.3%
91.4%	659	671	12	1.9%
92.6%	657	669	12	1.9%
93.8%	642	667	26	4.0%
95.1%	637	664	27	4.2%
96.3%	629	647	18	2.9%
97.5%	626	641	15	2.4%
98.8%	624	630	6	0.9%
100.0%	615	616	1	0.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	873	0	0.0%
1.2%	871	871	0	0.0%
2.5%	861	858	-3	-0.3%
3.7%	858	858	-1	-0.1%
4.9%	858	856	-2	-0.2%
6.2%	854	854	0	0.0%
7.4%	852	854	2	0.2%
8.6%	850	853	3	0.4%
9.9%	850	851	2	0.2%
11.1%	849	850	1	0.1%
12.3%	849	850	1	0.1%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	847	849	1	0.2%
18.5%	845	849	3	0.4%
19.8%	845	848	3	0.4%
21.0%	843	846	3	0.4%
22.2%	843	842	-1	-0.1%
23.5%	836	840	3	0.4%
24.7%	835	836	1	0.2%
25.9%	830	829	-1	-0.1%
27.2%	823	824	1	0.2%
28.4%	822	823	1	0.1%
29.6%	821	822	1	0.1%
30.9%	819	820	1	0.1%
32.1%	816	819	3	0.3%
33.3%	815	819	3	0.4%
34.6%	814	815	2	0.2%
35.8%	812	814	2	0.2%
37.0%	808	810	2	0.2%
38.3%	807	809	2	0.2%
39.5%	805	807	2	0.2%
40.7%	802	801	-1	-0.1%
42.0%	801	801	0	0.0%
43.2%	797	800	3	0.4%
44.4%	796	798	2	0.3%
45.7%	795	796	1	0.1%
46.9%	795	795	0	0.0%
48.1%	792	795	3	0.4%
49.4%	782	788	6	0.8%
50.6%	782	787	4	0.6%
51.9%	780	782	2	0.3%
53.1%	775	780	6	0.7%
54.3%	770	777	7	1.0%
55.6%	769	776	7	0.9%
56.8%	769	773	4	0.5%
58.0%	767	770	4	0.5%
59.3%	756	768	12	1.6%
60.5%	754	768	13	1.7%
61.7%	754	761	7	0.9%
63.0%	744	757	13	1.7%
64.2%	743	755	12	1.7%
65.4%	740	751	11	1.5%
66.7%	738	742	5	0.6%
67.9%	729	735	6	0.8%
69.1%	726	733	7	1.0%
70.4%	725	727	2	0.3%
71.6%	723	724	1	0.1%
72.8%	721	718	-3	-0.5%
74.1%	715	715	1	0.1%
75.3%	711	714	3	0.4%
76.5%	709	712	4	0.5%
77.8%	705	705	0	0.0%
79.0%	705	703	-2	-0.4%
80.2%	698	702	4	0.5%
81.5%	697	700	3	0.4%
82.7%	696	697	2	0.2%
84.0%	693	696	3	0.5%
85.2%	693	695	3	0.4%
86.4%	690	694	4	0.6%
87.7%	688	692	3	0.5%
88.9%	688	688	0	0.0%
90.1%	687	683	-5	-0.7%
91.4%	679	682	3	0.5%
92.6%	666	679	13	2.0%
93.8%	661	674	12	1.9%
95.1%	661	672	11	1.7%
96.3%	656	667	11	1.7%
97.5%	641	665	24	3.7%
98.8%	633	654	20	3.2%
100.0%	627	641	15	2.4%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	862	2	0.3%
2.5%	859	861	2	0.3%
3.7%	859	859	0	0.0%
4.9%	858	859	1	0.1%
6.2%	858	858	0	0.0%
7.4%	857	858	1	0.1%
8.6%	854	858	3	0.4%
9.9%	853	854	1	0.1%
11.1%	853	853	1	0.1%
12.3%	850	853	2	0.3%
13.6%	850	850	0	0.0%
14.8%	849	850	1	0.2%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	848	849	1	0.1%
28.4%	845	847	2	0.3%
29.6%	845	843	-2	-0.2%
30.9%	844	842	-2	-0.3%
32.1%	842	838	-4	-0.4%
33.3%	840	837	-3	-0.3%
34.6%	840	837	-3	-0.3%
35.8%	838	836	-2	-0.2%
37.0%	836	832	-4	-0.5%
38.3%	836	832	-4	-0.5%
39.5%	833	832	-1	-0.1%
40.7%	832	831	-1	-0.1%
42.0%	829	829	-1	-0.1%
43.2%	829	829	0	0.0%
44.4%	822	827	5	0.6%
45.7%	820	827	7	0.8%
46.9%	819	825	7	0.8%
48.1%	817	822	5	0.6%
49.4%	811	822	11	1.3%
50.6%	810	817	7	0.9%
51.9%	803	812	8	1.1%
53.1%	801	811	10	1.2%
54.3%	796	805	9	1.2%
55.6%	793	805	12	1.5%
56.8%	787	805	17	2.2%
58.0%	780	796	16	2.0%
59.3%	780	792	13	1.6%
60.5%	779	788	9	1.2%
61.7%	774	785	11	1.4%
63.0%	770	778	8	1.0%
64.2%	761	775	14	1.8%
65.4%	760	767	7	1.0%
66.7%	758	767	9	1.2%
67.9%	758	766	8	1.1%
69.1%	757	761	4	0.5%
70.4%	757	755	-1	-0.2%
71.6%	754	755	0	0.0%
72.8%	753	753	0	0.0%
74.1%	753	750	-3	-0.4%
75.3%	752	746	-6	-0.7%
76.5%	743	745	2	0.2%
77.8%	742	741	-1	-0.1%
79.0%	740	741	1	0.1%
80.2%	731	741	10	1.3%
81.5%	731	739	9	1.2%
82.7%	729	739	10	1.4%
84.0%	726	730	4	0.6%
85.2%	725	717	-8	-1.0%
86.4%	710	716	6	0.9%
87.7%	710	713	4	0.5%
88.9%	710	711	2	0.2%
90.1%	709	710	2	0.2%
91.4%	703	707	3	0.5%
92.6%	701	696	-5	-0.7%
93.8%	693	695	2	0.2%
95.1%	677	691	14	2.1%
96.3%	669	686	17	2.5%
97.5%	669	682	13	1.9%
98.8%	667	678	11	1.6%
100.0%	660	676	17	2.5%

Table SW-19-5b
Lake Oroville, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	870	2	0.2%
1.2%	867	869	1	0.2%
2.5%	867	867	0	0.0%
3.7%	864	867	3	0.4%
4.9%	863	864	1	0.1%
6.2%	863	864	1	0.1%
7.4%	862	863	1	0.1%
8.6%	861	862	2	0.2%
9.9%	860	861	1	0.1%
11.1%	860	860	0	0.0%
12.3%	859	859	0	0.0%
13.6%	858	858	0	0.0%
14.8%	856	857	1	0.1%
16.0%	856	856	0	0.0%
17.3%	855	855	0	0.0%
18.5%	853	855	1	0.1%
19.8%	853	854	1	0.1%
21.0%	852	853	1	0.1%
22.2%	852	853	1	0.1%
23.5%	851	852	1	0.2%
24.7%	850	852	1	0.2%
25.9%	850	851	1	0.2%
27.2%	849	850	1	0.1%
28.4%	849	850	1	0.1%
29.6%	849	849	0	0.0%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	847	849	2	0.2%
46.9%	846	849	2	0.3%
48.1%	846	848	2	0.3%
49.4%	845	841	-4	-0.5%
50.6%	836	839	3	0.4%
51.9%	835	839	4	0.4%
53.1%	833	836	3	0.4%
54.3%	829	835	6	0.7%
55.6%	828	833	5	0.6%
56.8%	826	830	4	0.5%
58.0%	822	828	6	0.7%
59.3%	822	822	0	0.0%
60.5%	818	816	-3	-0.3%
61.7%	818	814	-5	-0.6%
63.0%	807	810	3	0.4%
64.2%	799	805	6	0.7%
65.4%	796	804	8	1.0%
66.7%	793	802	9	1.1%
67.9%	792	797	5	0.6%
69.1%	787	794	7	0.8%
70.4%	784	786	2	0.3%
71.6%	782	784	2	0.3%
72.8%	779	784	5	0.6%
74.1%	775	784	8	1.1%
75.3%	774	780	6	0.8%
76.5%	772	779	7	0.9%
77.8%	769	773	4	0.5%
79.0%	766	773	7	0.9%
80.2%	765	772	6	0.8%
81.5%	764	767	3	0.4%
82.7%	763	764	1	0.1%
84.0%	762	761	-1	-0.1%
85.2%	760	760	0	0.0%
86.4%	752	760	8	1.0%
87.7%	746	759	13	1.7%
88.9%	736	749	13	1.7%
90.1%	727	730	3	0.4%
91.4%	718	719	1	0.2%
92.6%	706	713	7	0.9%
93.8%	699	713	13	1.9%
95.1%	693	708	15	2.2%
96.3%	692	706	14	2.0%
97.5%	691	702	11	1.5%
98.8%	688	684	-3	-0.5%
100.0%	663	684	21	3.2%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	874	874	0	0.0%
3.7%	872	874	2	0.2%
4.9%	872	872	1	0.1%
6.2%	871	872	0	0.0%
7.4%	870	871	1	0.1%
8.6%	870	870	1	0.1%
9.9%	868	870	2	0.3%
11.1%	867	868	0	0.0%
12.3%	867	867	0	0.0%
13.6%	867	867	0	0.0%
14.8%	866	867	1	0.1%
16.0%	865	866	1	0.1%
17.3%	865	865	0	0.0%
18.5%	865	865	0	0.0%
19.8%	864	865	0	0.0%
21.0%	863	864	1	0.2%
22.2%	863	863	0	0.0%
23.5%	863	863	1	0.1%
24.7%	862	863	0	0.1%
25.9%	862	863	1	0.1%
27.2%	861	862	2	0.2%
28.4%	861	861	0	0.0%
29.6%	860	861	1	0.1%
30.9%	860	860	0	0.0%
32.1%	859	860	0	0.1%
33.3%	859	859	0	0.0%
34.6%	859	859	0	0.0%
35.8%	859	859	0	0.0%
37.0%	858	859	1	0.1%
38.3%	858	858	0	0.0%
39.5%	858	858	0	0.0%
40.7%	857	858	1	0.1%
42.0%	854	854	1	0.1%
43.2%	853	854	1	0.2%
44.4%	852	853	1	0.1%
45.7%	851	852	1	0.1%
46.9%	851	851	0	0.0%
48.1%	851	851	0	0.0%
49.4%	850	851	1	0.1%
50.6%	849	851	1	0.1%
51.9%	849	850	1	0.1%
53.1%	849	849	1	0.1%
54.3%	849	849	0	0.0%
55.6%	849	849	0	0.0%
56.8%	849	849	0	0.0%
58.0%	849	849	0	0.0%
59.3%	849	849	0	0.0%
60.5%	847	849	2	0.2%
61.7%	845	849	3	0.4%
63.0%	842	846	4	0.5%
64.2%	841	843	2	0.2%
65.4%	831	837	6	0.7%
66.7%	828	831	4	0.4%
67.9%	824	831	7	0.9%
69.1%	821	830	9	1.1%
70.4%	817	823	6	0.7%
71.6%	816	819	2	0.3%
72.8%	811	816	5	0.6%
74.1%	807	814	7	0.9%
75.3%	807	811	4	0.5%
76.5%	801	809	8	0.9%
77.8%	801	807	6	0.8%
79.0%	798	806	9	1.1%
80.2%	796	804	8	1.0%
81.5%	796	800	4	0.5%
82.7%	794	793	-1	-0.1%
84.0%	788	791	2	0.3%
85.2%	783	784	1	0.1%
86.4%	779	782	3	0.4%
87.7%	769	780	11	1.5%
88.9%	768	779	11	1.4%
90.1%	759	757	-2	-0.3%
91.4%	735	739	5	0.7%
92.6%	726	736	10	1.4%
93.8%	725	732	7	1.0%
95.1%	724	732	8	1.2%
96.3%	721	731	10	1.4%
97.5%	711	730	19	2.6%
98.8%	702	709	6	0.9%
100.0%	693	686	-7	-1.1%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	894	894	0	0.0%
4.9%	893	893	0	0.0%
6.2%	892	892	0	0.0%
7.4%	890	890	0	0.0%
8.6%	890	890	0	0.0%
9.9%	888	888	0	0.0%
11.1%	888	888	0	0.0%
12.3%	888	888	0	0.0%
13.6%	887	887	0	0.0%
14.8%	887	887	0	0.0%
16.0%	887	887	0	0.0%
17.3%	887	887	0	0.0%
18.5%	886	886	0	0.0%
19.8%	885	885	0	0.0%
21.0%	884	884	0	0.0%
22.2%	884	884	0	0.0%
23.5%	884	884	0	0.0%
24.7%	883	883	0	0.0%
25.9%	883	883	0	0.0%
27.2%	883	883	0	0.0%
28.4%	883	883	0	0.0%
29.6%	883	883	0	0.0%
30.9%	882	882	0	0.0%
32.1%	882	882	0	0.0%
33.3%	882	882	0	0.0%
34.6%	880	880	0	0.0%
35.8%	879	880	0	0.0%
37.0%	879	879	0	0.0%
38.3%	879	879	0	0.0%
39.5%	879	879	0	0.0%
40.7%	878	879	1	0.1%
42.0%	877	878	1	0.1%
43.2%	877	878	1	0.1%
44.4%	877	877	0	0.0%
45.7%	876	877	1	0.1%
46.9%	876	877	2	0.2%
48.1%	876	876	1	0.1%
49.4%	875	876	1	0.1%
50.6%	873	876	3	0.3%
51.9%	873	875	2	0.3%
53.1%	872	875	2	0.3%
54.3%	872	874	3	0.3%
55.6%	870	873	3	0.4%
56.8%	869	873	4	0.4%
58.0%	868	869	2	0.2%
59.3%	868	869	1	0.2%
60.5%	865	869	4	0.4%
61.7%	861	868	7	0.8%
63.0%	859	863	4	0.5%
64.2%	856	861	5	0.6%
65.4%	854	860	6	0.7%
66.7%	852	857	5	0.6%
67.9%	841	852	10	1.2%
69.1%	841	845	4	0.5%
70.4%	841	841	0	0.0%
71.6%	838	839	1	0.1%
72.8%	837	836	-2	-0.2%
74.1%	831	834	3	0.3%
75.3%	826	833	6	0.8%
76.5%	824	831	7	0.9%
77.8%	823	831	9	1.1%
79.0%	822	828	6	0.7%
80.2%	822	824	2	0.2%
81.5%	812	821	9	1.1%
82.7%	811	821	10	1.2%
84.0%	809	812	3	0.4%
85.2%	809	812	3	0.4%
86.4%	791	809	19	2.3%
87.7%	790	789	-2	-0.2%
88.9%	776	777	1	0.1%
90.1%	773	770	-2	-0.3%
91.4%	757	769	11	1.5%
92.6%	752	760	9	1.2%
93.8%	741	750	10	1.3%
95.1%	732	750	17	2.4%
96.3%	731	742	11	1.5%
97.5%	715	734	18	2.6%
98.8%	711	717	6	0.9%
100.0%	679	673	-6	-0.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	900	0	0.0%
28.4%	900	900	0	0.0%
29.6%	900	900	0	0.0%
30.9%	900	900	0	0.0%
32.1%	900	900	0	0.0%
33.3%	900	900	0	0.0%
34.6%	900	900	0	0.0%
35.8%	899	900	0	0.0%
37.0%	899	899	0	0.0%
38.3%	898	898	0	0.0%
39.5%	897	898	1	0.1%
40.7%	896	897	1	0.1%
42.0%	895	896	1	0.2%
43.2%	891	895	3	0.4%
44.4%	891	891	1	0.1%
45.7%	889	891	2	0.3%
46.9%	888	888	0	0.0%
48.1%	887	887	0	0.0%
49.4%	883	886	3	0.3%
50.6%	881	884	2	0.3%
51.9%	879	883	4	0.5%
53.1%	879	881	2	0.3%
54.3%	877	881	3	0.4%
55.6%	877	879	2	0.2%
56.8%	876	878	1	0.2%
58.0%	875	877	2	0.2%
59.3%	872	875	3	0.3%
60.5%	871	873	2	0.2%
61.7%	861	869	8	0.9%
63.0%	859	866	6	0.7%
64.2%	859	865	7	0.8%
65.4%	856	864	9	1.0%
66.7%	855	861	6	0.7%
67.9%	854	860	6	0.7%
69.1%	854	859	6	0.7%
70.4%	852	858	7	0.8%
71.6%	851	852	1	0.1%
72.8%	849	851	2	0.2%
74.1%	845	848	3	0.4%
75.3%	841	846	5	0.6%
76.5%	836	844	8	1.0%
77.8%	835	837	2	0.2%
79.0%	829	836	7	0.8%
80.2%	827	830	4	0.4%
81.5%	824	826	1	0.2%
82.7%	820	821	1	0.1%
84.0%	818	821	2	0.3%
85.2%	794	815	22	2.7%
86.4%	787	814	27	3.5%
87.7%	783	803	21	2.7%
88.9%	780	782	2	0.3%
90.1%	778	768	-10	-1.3%
91.4%	772	768	-4	-0.5%
92.6%	753	764	11	1.4%
93.8%	747	763	16	2.2%
95.1%	732	737	5	0.7%
96.3%	725	735	10	1.4%
97.5%	718	728	10	1.4%
98.8%	705	724	20	2.8%
100.0%	672	665	-7	-1.0%

Table SW-19-5b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	899	-1	-0.1%
22.2%	900	899	-1	-0.1%
23.5%	900	898	-1	-0.2%
24.7%	900	898	-2	-0.2%
25.9%	900	898	-2	-0.2%
27.2%	900	898	-2	-0.2%
28.4%	900	898	-2	-0.2%
29.6%	900	897	-3	-0.3%
30.9%	900	897	-3	-0.3%
32.1%	897	897	0	0.0%
33.3%	896	891	-5	-0.6%
34.6%	895	891	-5	-0.5%
35.8%	892	890	-2	-0.2%
37.0%	892	889	-3	-0.3%
38.3%	887	889	2	0.2%
39.5%	884	884	0	0.0%
40.7%	882	882	0	0.0%
42.0%	881	881	0	0.0%
43.2%	881	880	0	-0.1%
44.4%	878	879	2	0.2%
45.7%	878	879	1	0.2%
46.9%	876	878	2	0.2%
48.1%	875	877	2	0.2%
49.4%	871	876	5	0.6%
50.6%	870	873	2	0.3%
51.9%	870	872	2	0.2%
53.1%	869	870	1	0.2%
54.3%	867	870	3	0.4%
55.6%	865	869	4	0.4%
56.8%	863	864	1	0.1%
58.0%	860	864	4	0.5%
59.3%	858	861	2	0.3%
60.5%	855	858	2	0.3%
61.7%	855	858	3	0.3%
63.0%	854	856	2	0.2%
64.2%	853	853	1	0.1%
65.4%	851	853	1	0.2%
66.7%	843	849	6	0.7%
67.9%	842	847	6	0.7%
69.1%	841	843	2	0.2%
70.4%	838	843	4	0.5%
71.6%	836	842	7	0.8%
72.8%	834	839	5	0.6%
74.1%	832	835	3	0.4%
75.3%	828	833	5	0.7%
76.5%	820	830	10	1.2%
77.8%	815	827	12	1.4%
79.0%	814	824	10	1.2%
80.2%	813	822	9	1.1%
81.5%	811	812	1	0.2%
82.7%	798	805	7	0.8%
84.0%	797	804	6	0.8%
85.2%	785	801	16	2.1%
86.4%	766	797	31	4.0%
87.7%	761	791	31	4.0%
88.9%	760	757	-3	-0.4%
90.1%	753	753	-1	-0.1%
91.4%	749	750	1	0.1%
92.6%	734	747	13	1.8%
93.8%	726	738	12	1.7%
95.1%	714	725	11	1.5%
96.3%	706	720	14	2.0%
97.5%	687	717	30	4.3%
98.8%	681	706	25	3.7%
100.0%	635	627	-8	-1.3%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	896	-4	-0.5%
4.9%	900	895	-5	-0.6%
6.2%	894	892	-2	-0.2%
7.4%	890	892	2	0.2%
8.6%	889	887	-2	-0.2%
9.9%	885	881	-4	-0.5%
11.1%	878	879	1	0.1%
12.3%	877	876	-1	-0.1%
13.6%	875	875	0	0.0%
14.8%	872	873	1	0.1%
16.0%	871	870	-1	-0.1%
17.3%	870	869	-1	-0.1%
18.5%	867	865	-2	-0.2%
19.8%	865	865	-1	-0.1%
21.0%	865	864	-1	-0.1%
22.2%	865	862	-3	-0.3%
23.5%	864	862	-2	-0.2%
24.7%	863	862	-1	-0.1%
25.9%	863	861	-1	-0.2%
27.2%	862	859	-2	-0.2%
28.4%	861	859	-2	-0.2%
29.6%	860	858	-2	-0.3%
30.9%	859	857	-2	-0.2%
32.1%	856	856	0	0.0%
33.3%	856	854	-2	-0.2%
34.6%	854	851	-3	-0.3%
35.8%	851	849	-2	-0.3%
37.0%	850	848	-2	-0.2%
38.3%	846	848	2	0.2%
39.5%	841	847	5	0.6%
40.7%	840	842	2	0.2%
42.0%	839	842	3	0.4%
43.2%	839	839	0	0.0%
44.4%	838	839	1	0.1%
45.7%	838	839	0	0.0%
46.9%	837	839	1	0.1%
48.1%	833	837	5	0.6%
49.4%	832	837	6	0.7%
50.6%	831	835	3	0.4%
51.9%	831	833	2	0.3%
53.1%	827	831	4	0.5%
54.3%	826	829	3	0.4%
55.6%	823	828	5	0.6%
56.8%	822	826	5	0.6%
58.0%	815	823	8	0.9%
59.3%	814	820	6	0.7%
60.5%	814	818	4	0.5%
61.7%	813	814	1	0.1%
63.0%	811	810	-1	-0.2%
64.2%	807	809	2	0.2%
65.4%	803	806	3	0.4%
66.7%	791	801	11	1.3%
67.9%	790	799	9	1.1%
69.1%	790	796	6	0.8%
70.4%	790	794	4	0.5%
71.6%	789	790	1	0.1%
72.8%	787	784	-2	-0.3%
74.1%	779	784	5	0.7%
75.3%	771	782	12	1.5%
76.5%	760	779	19	2.5%
77.8%	760	774	14	1.9%
79.0%	754	772	18	2.4%
80.2%	751	771	21	2.8%
81.5%	750	768	19	2.5%
82.7%	738	752	13	1.8%
84.0%	735	750	15	2.1%
85.2%	735	742	7	1.0%
86.4%	704	740	35	5.0%
87.7%	693	726	34	4.9%
88.9%	692	713	20	2.9%
90.1%	689	698	9	1.3%
91.4%	687	693	7	1.0%
92.6%	668	685	16	2.4%
93.8%	664	681	18	2.7%
95.1%	662	681	19	2.9%
96.3%	662	678	16	2.4%
97.5%	661	670	9	1.4%
98.8%	648	664	16	2.5%
100.0%	624	616	-8	-1.3%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	894	-6	-0.6%
1.2%	900	892	-8	-0.9%
2.5%	899	891	-8	-0.9%
3.7%	896	890	-7	-0.7%
4.9%	895	885	-11	-1.2%
6.2%	885	884	-1	-0.2%
7.4%	885	883	-1	-0.1%
8.6%	883	875	-7	-0.8%
9.9%	878	874	-4	-0.5%
11.1%	877	873	-4	-0.4%
12.3%	864	863	0	0.0%
13.6%	863	863	0	0.0%
14.8%	862	862	-1	-0.1%
16.0%	859	856	-3	-0.4%
17.3%	857	855	-2	-0.3%
18.5%	852	855	2	0.3%
19.8%	850	853	3	0.4%
21.0%	849	849	0	0.0%
22.2%	844	847	4	0.4%
23.5%	843	847	4	0.5%
24.7%	841	845	4	0.5%
25.9%	837	839	2	0.2%
27.2%	837	839	2	0.2%
28.4%	833	835	3	0.3%
29.6%	833	833	0	0.0%
30.9%	832	833	1	0.1%
32.1%	830	830	0	0.0%
33.3%	829	829	1	0.1%
34.6%	825	829	4	0.5%
35.8%	823	825	2	0.2%
37.0%	819	824	4	0.5%
38.3%	818	823	5	0.6%
39.5%	812	821	10	1.2%
40.7%	811	818	7	0.8%
42.0%	810	818	7	0.9%
43.2%	808	815	7	0.8%
44.4%	808	814	6	0.8%
45.7%	806	812	6	0.7%
46.9%	805	811	5	0.7%
48.1%	803	810	7	0.9%
49.4%	800	808	7	0.9%
50.6%	795	802	7	0.8%
51.9%	791	800	9	1.2%
53.1%	790	798	8	1.0%
54.3%	786	785	-1	-0.1%
55.6%	785	785	-1	-0.1%
56.8%	782	780	-2	-0.2%
58.0%	778	779	2	0.2%
59.3%	770	778	8	1.0%
60.5%	769	772	3	0.4%
61.7%	768	767	-1	-0.1%
63.0%	765	763	-2	-0.3%
64.2%	760	755	-4	-0.6%
65.4%	756	754	-2	-0.3%
66.7%	755	754	-1	-0.1%
67.9%	750	753	4	0.5%
69.1%	747	749	2	0.2%
70.4%	743	745	2	0.3%
71.6%	741	745	4	0.5%
72.8%	730	741	11	1.5%
74.1%	725	735	10	1.4%
75.3%	723	734	11	1.5%
76.5%	718	725	7	0.9%
77.8%	711	722	11	1.6%
79.0%	703	722	19	2.7%
80.2%	703	713	10	1.4%
81.5%	696	710	14	2.0%
82.7%	686	699	13	1.9%
84.0%	683	694	11	1.6%
85.2%	680	691	11	1.6%
86.4%	678	689	11	1.6%
87.7%	678	676	-2	-0.3%
88.9%	676	675	-2	-0.2%
90.1%	670	674	4	0.6%
91.4%	658	673	15	2.3%
92.6%	656	673	16	2.5%
93.8%	649	663	14	2.2%
95.1%	644	663	19	3.0%
96.3%	644	657	13	2.0%
97.5%	641	656	14	2.2%
98.8%	637	654	17	2.7%
100.0%	624	616	-8	-1.3%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	879	871	-8	-0.9%
3.7%	871	856	-16	-1.8%
4.9%	867	854	-13	-1.5%
6.2%	864	853	-11	-1.3%
7.4%	858	853	-5	-0.6%
8.6%	853	846	-7	-0.9%
9.9%	849	838	-11	-1.2%
11.1%	842	837	-5	-0.6%
12.3%	839	833	-5	-0.6%
13.6%	827	831	4	0.5%
14.8%	824	829	4	0.5%
16.0%	824	825	1	0.1%
17.3%	824	824	0	0.0%
18.5%	822	820	-2	-0.2%
19.8%	818	818	0	0.0%
21.0%	815	817	2	0.2%
22.2%	811	817	6	0.8%
23.5%	809	813	4	0.5%
24.7%	808	809	1	0.1%
25.9%	802	806	4	0.5%
27.2%	801	805	4	0.6%
28.4%	800	805	5	0.6%
29.6%	800	804	4	0.5%
30.9%	798	800	2	0.2%
32.1%	794	800	6	0.8%
33.3%	792	798	6	0.8%
34.6%	790	794	4	0.5%
35.8%	786	793	7	0.9%
37.0%	781	790	9	1.1%
38.3%	781	788	7	0.8%
39.5%	780	785	5	0.7%
40.7%	778	785	7	0.9%
42.0%	776	784	7	0.9%
43.2%	776	778	2	0.3%
44.4%	772	777	6	0.7%
45.7%	772	777	6	0.7%
46.9%	769	777	8	1.0%
48.1%	766	774	8	1.0%
49.4%	766	773	7	0.9%
50.6%	764	769	5	0.6%
51.9%	763	764	2	0.2%
53.1%	762	760	-2	-0.3%
54.3%	760	759	-1	-0.1%
55.6%	758	755	-3	-0.4%
56.8%	754	755	1	0.1%
58.0%	751	754	3	0.4%
59.3%	745	749	4	0.5%
60.5%	741	739	-2	-0.3%
61.7%	741	738	-3	-0.4%
63.0%	740	736	-4	-0.5%
64.2%	736	733	-2	-0.3%
65.4%	735	729	-6	-0.8%
66.7%	735	727	-7	-1.0%
67.9%	731	726	-5	-0.7%
69.1%	731	725	-6	-0.8%
70.4%	721	725	3	0.5%
71.6%	714	719	5	0.6%
72.8%	711	715	3	0.5%
74.1%	711	711	1	0.1%
75.3%	707	708	1	0.1%
76.5%	699	707	8	1.2%
77.8%	694	697	3	0.5%
79.0%	690	691	2	0.2%
80.2%	687	689	2	0.3%
81.5%	684	687	3	0.5%
82.7%	683	687	4	0.6%
84.0%	679	683	4	0.6%
85.2%	676	675	-1	-0.2%
86.4%	672	671	-1	-0.1%
87.7%	670	669	-1	-0.1%
88.9%	669	669	0	0.0%
90.1%	657	666	8	1.3%
91.4%	653	663	11	1.7%
92.6%	652	663	10	1.6%
93.8%	644	663	19	2.9%
95.1%	641	650	9	1.5%
96.3%	632	648	16	2.6%
97.5%	625	633	8	1.3%
98.8%	620	629	9	1.5%
100.0%	614	617	4	0.6%

Table SW-20-5a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,534	9,758	10,296	11,062	11,830	12,579	13,507	13,966	13,553	11,845	10,745	9,776
Alternative B	9,615	9,842	10,419	11,190	11,948	12,680	13,621	14,094	13,686	12,008	10,864	9,823
Difference	81	85	123	128	118	101	114	128	132	163	119	47
Percent Difference[3]	0.8%	0.9%	1.2%	1.2%	1.0%	0.8%	0.8%	0.9%	1.0%	1.4%	1.1%	0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,847	12,023	12,241	12,918	13,543	13,827	15,023	15,703	15,620	14,426	13,760	12,187
Alternative B	11,816	12,014	12,355	12,900	13,549	13,827	15,023	15,703	15,599	14,394	13,721	12,116
Difference	-31	-9	114	-18	5	0	0	0	-22	-31	-39	-72
Percent Difference	-0.3%	-0.1%	0.9%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-0.6%
Above Normal (15%)												
No Action Alternative	10,387	10,592	10,976	11,576	12,691	13,776	14,982	15,670	15,320	13,416	12,098	10,669
Alternative B	10,304	10,498	11,014	11,682	12,775	13,807	15,013	15,670	15,234	13,339	12,048	10,539
Difference	-83	-94	38	106	85	31	31	0	-86	-76	-49	-130
Percent Difference	-0.8%	-0.9%	0.3%	0.9%	0.7%	0.2%	0.2%	0.0%	-0.6%	-0.6%	-0.4%	-1.2%
Below Normal (17%)												
No Action Alternative	10,028	10,289	11,051	10,718	11,676	12,599	13,908	14,647	14,284	12,301	10,833	10,199
Alternative B	10,284	10,541	11,172	11,041	11,875	12,787	14,094	14,837	14,424	12,470	11,058	10,411
Difference	256	252	121	322	199	188	187	190	140	168	226	212
Percent Difference	2.6%	2.4%	1.1%	3.0%	1.7%	1.5%	1.3%	1.3%	1.0%	1.4%	2.1%	2.1%
Dry (22%)												
No Action Alternative	7,519	7,867	8,819	9,887	10,746	11,899	12,575	12,726	11,976	9,862	8,266	7,749
Alternative B	7,648	7,987	8,995	9,977	10,863	12,030	12,724	12,942	12,275	10,236	8,493	7,834
Difference	129	120	176	90	116	131	149	216	299	374	227	86
Percent Difference	1.7%	1.5%	2.0%	0.9%	1.1%	1.1%	1.2%	1.7%	2.5%	3.8%	2.7%	1.1%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	8,691	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative B	6,327	6,448	6,884	8,986	9,365	9,919	9,983	9,893	9,246	7,629	6,818	6,436
Difference	211	218	148	294	304	243	305	327	424	505	344	231
Percent Difference	3.5%	3.5%	2.2%	3.4%	3.4%	2.5%	3.2%	3.4%	4.8%	7.1%	5.3%	3.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-20-5b
Lake Oroville, End of Month Area
Probability of Exceedance

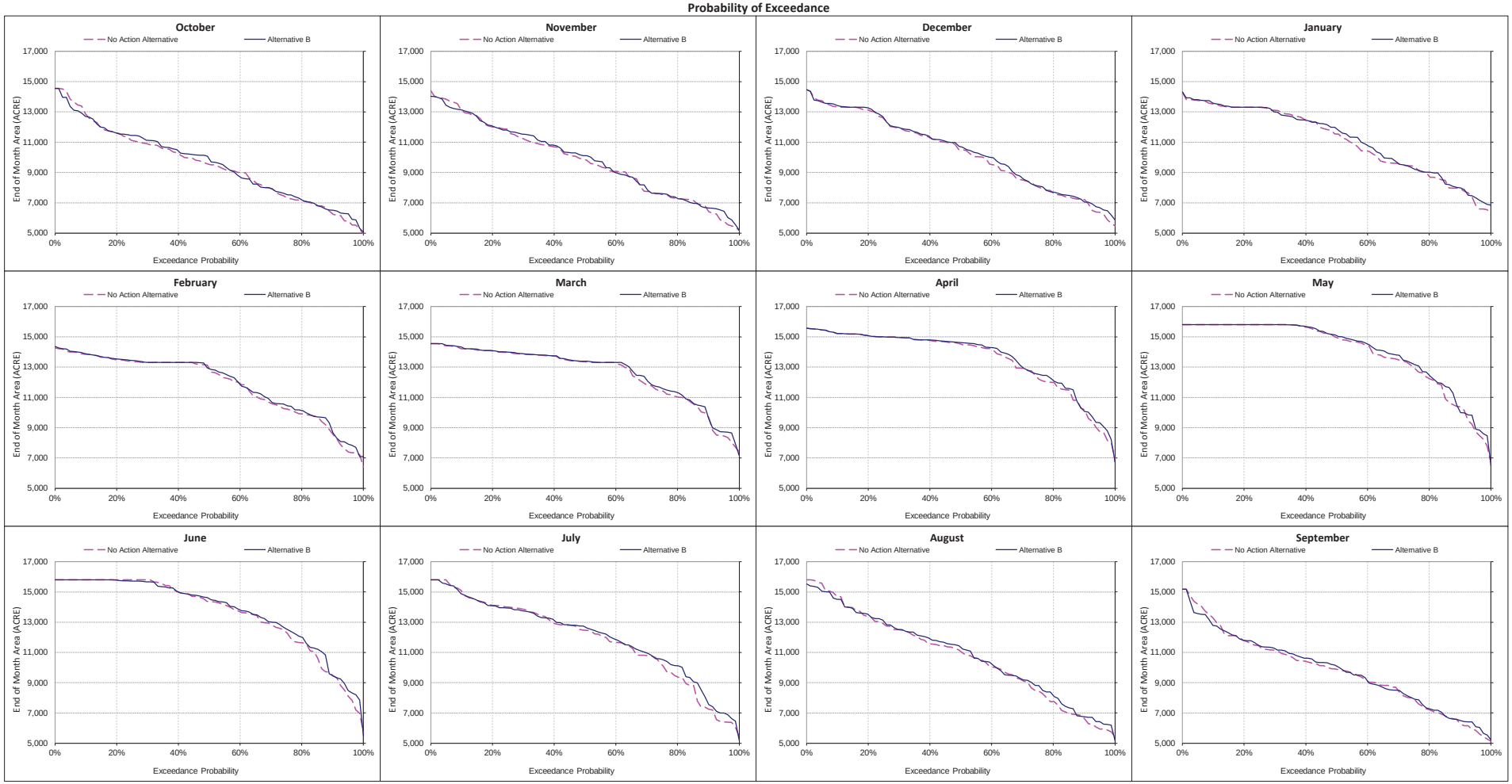

Table SW-20-5b
Lake Oroville, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,507	13,961	-546	-3.8%
3.7%	14,358	13,961	-397	-2.8%
4.9%	13,847	13,360	-487	-3.5%
6.2%	13,638	13,109	-529	-3.9%
7.4%	13,463	13,081	-382	-2.8%
8.6%	13,388	12,931	-457	-3.4%
9.9%	12,870	12,703	-167	-1.3%
11.1%	12,581	12,649	67	0.5%
12.3%	12,397	12,529	132	1.1%
13.6%	12,301	12,204	-96	-0.8%
14.8%	11,951	12,004	53	0.4%
16.0%	11,814	11,951	137	1.2%
17.3%	11,756	11,752	-4	0.0%
18.5%	11,696	11,694	-2	0.0%
19.8%	11,633	11,616	-17	-0.1%
21.0%	11,565	11,528	-37	-0.3%
22.2%	11,395	11,527	133	1.2%
23.5%	11,345	11,498	152	1.3%
24.7%	11,123	11,448	325	2.9%
25.9%	11,060	11,447	387	3.5%
27.2%	11,034	11,414	379	3.4%
28.4%	10,943	11,275	331	3.0%
29.6%	10,918	11,140	223	2.0%
30.9%	10,834	11,123	289	2.7%
32.1%	10,832	11,104	272	2.5%
33.3%	10,782	11,032	250	2.3%
34.6%	10,604	10,714	111	1.0%
35.8%	10,545	10,656	111	1.1%
37.0%	10,537	10,645	108	1.0%
38.3%	10,360	10,565	206	2.0%
39.5%	10,309	10,504	196	1.9%
40.7%	10,149	10,279	129	1.3%
42.0%	9,989	10,236	247	2.5%
43.2%	9,957	10,235	278	2.8%
44.4%	9,950	10,171	220	2.2%
45.7%	9,808	10,164	356	3.6%
46.9%	9,777	10,152	374	3.8%
48.1%	9,675	10,143	468	4.8%
49.4%	9,566	10,078	512	5.3%
50.6%	9,505	9,695	190	2.0%
51.9%	9,501	9,679	178	1.9%
53.1%	9,392	9,599	207	2.2%
54.3%	9,278	9,521	243	2.6%
55.6%	9,149	9,325	176	1.9%
56.8%	9,131	9,142	11	0.1%
58.0%	9,105	9,039	-66	-0.7%
59.3%	9,006	8,812	-194	-2.2%
60.5%	9,003	8,633	-370	-4.1%
61.7%	8,976	8,591	-384	-4.3%
63.0%	8,642	8,568	-75	-0.9%
64.2%	8,484	8,234	-250	-2.9%
65.4%	8,267	8,227	-40	-0.5%
66.7%	8,196	8,039	-157	-1.9%
67.9%	8,022	7,996	-26	-0.3%
69.1%	7,995	7,993	-2	0.0%
70.4%	7,931	7,915	-17	-0.2%
71.6%	7,682	7,751	69	0.9%
72.8%	7,552	7,693	141	1.9%
74.1%	7,455	7,624	169	2.3%
75.3%	7,309	7,527	218	3.0%
76.5%	7,269	7,516	247	3.4%
77.8%	7,197	7,399	202	2.8%
79.0%	7,173	7,321	147	2.1%
80.2%	7,111	7,158	47	0.7%
81.5%	7,091	7,059	-32	-0.5%
82.7%	7,008	7,050	42	0.6%
84.0%	6,860	6,957	98	1.4%
85.2%	6,788	6,815	27	0.4%
86.4%	6,786	6,724	-62	-0.9%
87.7%	6,696	6,598	-98	-1.5%
88.9%	6,460	6,517	58	0.9%
90.1%	6,233	6,511	278	4.5%
91.4%	6,179	6,459	280	4.5%
92.6%	6,151	6,320	169	2.7%
93.8%	5,802	6,284	481	8.3%
95.1%	5,800	6,277	477	8.2%
96.3%	5,534	5,907	373	6.7%
97.5%	5,513	5,873	359	6.5%
98.8%	5,278	5,315	37	0.7%
100.0%	4,903	5,059	155	3.2%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,037	-369	-2.6%
1.2%	14,037	14,010	-27	-0.2%
2.5%	13,947	13,947	0	0.0%
3.7%	13,906	13,844	-62	-0.4%
4.9%	13,844	13,439	-405	-2.9%
6.2%	13,706	13,304	-402	-2.9%
7.4%	13,649	13,232	-417	-3.1%
8.6%	13,542	13,175	-366	-2.7%
9.9%	13,124	13,149	26	0.2%
11.1%	12,940	13,065	125	1.0%
12.3%	12,912	12,988	77	0.6%
13.6%	12,782	12,909	127	1.0%
14.8%	12,759	12,730	-29	-0.2%
16.0%	12,547	12,428	-118	-0.9%
17.3%	12,217	12,318	100	0.8%
18.5%	12,091	12,138	47	0.4%
19.8%	12,020	12,092	72	0.6%
21.0%	11,981	11,981	0	0.0%
22.2%	11,955	11,905	-50	-0.4%
23.5%	11,879	11,806	-73	-0.6%
24.7%	11,871	11,795	-76	-0.6%
25.9%	11,561	11,688	126	1.1%
27.2%	11,506	11,665	159	1.4%
28.4%	11,353	11,600	247	2.2%
29.6%	11,263	11,536	273	2.4%
30.9%	11,150	11,522	372	3.3%
32.1%	11,052	11,460	408	3.7%
33.3%	10,956	11,421	465	4.2%
34.6%	10,913	11,144	231	2.1%
35.8%	10,838	11,055	217	2.0%
37.0%	10,809	11,043	234	2.2%
38.3%	10,761	10,818	56	0.5%
39.5%	10,704	10,811	107	1.0%
40.7%	10,678	10,758	80	0.7%
42.0%	10,583	10,621	37	0.4%
43.2%	10,237	10,344	107	1.0%
44.4%	10,175	10,322	147	1.4%
45.7%	10,091	10,302	211	2.1%
46.9%	10,078	10,298	220	2.2%
48.1%	9,950	10,170	220	2.2%
49.4%	9,890	10,114	223	2.3%
50.6%	9,808	10,106	298	3.0%
51.9%	9,593	10,005	412	4.3%
53.1%	9,552	9,774	222	2.3%
54.3%	9,448	9,745	297	3.1%
55.6%	9,339	9,710	370	4.0%
56.8%	9,296	9,330	34	0.4%
58.0%	9,106	9,308	203	2.2%
59.3%	9,077	9,033	-44	-0.5%
60.5%	9,066	8,956	-111	-1.2%
61.7%	9,045	8,863	-182	-2.0%
63.0%	9,041	8,840	-201	-2.2%
64.2%	8,739	8,739	0	0.0%
65.4%	8,630	8,689	59	0.7%
66.7%	8,582	8,411	-171	-2.0%
67.9%	8,065	8,188	123	1.5%
69.1%	7,767	8,185	418	5.4%
70.4%	7,741	7,823	82	1.1%
71.6%	7,741	7,631	-109	-1.4%
72.8%	7,592	7,625	33	0.4%
74.1%	7,590	7,608	18	0.2%
75.3%	7,536	7,591	55	0.7%
76.5%	7,530	7,563	34	0.4%
77.8%	7,342	7,410	68	0.9%
79.0%	7,319	7,392	73	1.0%
80.2%	7,298	7,269	-29	-0.4%
81.5%	7,244	7,249	5	0.1%
82.7%	7,222	7,147	-74	-1.0%
84.0%	7,212	7,032	-180	-2.5%
85.2%	7,151	6,968	-183	-2.6%
86.4%	6,927	6,959	31	0.5%
87.7%	6,875	6,756	-119	-1.7%
88.9%	6,790	6,668	-123	-1.8%
90.1%	6,405	6,659	254	4.0%
91.4%	6,314	6,650	336	5.3%
92.6%	6,261	6,588	327	5.2%
93.8%	5,877	6,529	652	11.1%
95.1%	5,764	6,444	680	11.8%
96.3%	5,546	6,024	478	8.6%
97.5%	5,465	5,869	403	7.4%
98.8%	5,403	5,559	156	2.9%
100.0%	5,153	5,183	30	0.6%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,474	14,474	0	0.0%
1.2%	14,367	14,367	0	0.0%
2.5%	13,919	13,777	-142	-1.0%
3.7%	13,777	13,737	-40	-0.3%
4.9%	13,737	13,650	-88	-0.6%
6.2%	13,564	13,567	3	0.0%
7.4%	13,480	13,564	84	0.6%
8.6%	13,364	13,533	169	1.3%
9.9%	13,344	13,421	77	0.6%
11.1%	13,304	13,364	60	0.5%
12.3%	13,304	13,344	40	0.3%
13.6%	13,304	13,304	0	0.0%
14.8%	13,304	13,304	0	0.0%
16.0%	13,304	13,304	0	0.0%
17.3%	13,241	13,304	63	0.5%
18.5%	13,142	13,304	162	1.2%
19.8%	13,134	13,283	148	1.1%
21.0%	13,035	13,180	146	1.1%
22.2%	13,003	12,964	-38	-0.3%
23.5%	12,701	12,860	159	1.3%
24.7%	12,630	12,696	67	0.5%
25.9%	12,371	12,316	-56	-0.5%
27.2%	12,027	12,095	67	0.6%
28.4%	12,002	12,027	25	0.2%
29.6%	11,941	11,985	44	0.4%
30.9%	11,873	11,907	34	0.3%
32.1%	11,757	11,860	102	0.9%
33.3%	11,717	11,836	119	1.0%
34.6%	11,653	11,712	60	0.5%
35.8%	11,592	11,658	66	0.6%
37.0%	11,455	11,526	70	0.6%
38.3%	11,430	11,493	63	0.6%
39.5%	11,341	11,412	71	0.6%
40.7%	11,221	11,202	-18	-0.2%
42.0%	11,186	11,179	-8	-0.1%
43.2%	11,041	11,166	125	1.1%
44.4%	11,009	11,094	86	0.8%
45.7%	10,985	11,020	35	0.3%
46.9%	10,984	10,987	4	0.0%
48.1%	10,859	10,976	117	1.1%
49.4%	10,510	10,732	222	2.1%
50.6%	10,506	10,669	163	1.6%
51.9%	10,438	10,519	81	0.8%
53.1%	10,234	10,440	206	2.0%
54.3%	10,050	10,321	272	2.7%
55.6%	10,042	10,281	239	2.4%
56.8%	10,028	10,162	134	1.3%
58.0%	9,942	10,073	131	1.3%
59.3%	9,564	10,005	440	4.6%
60.5%	9,503	9,978	474	5.0%
61.7%	9,485	9,737	252	2.7%
63.0%	9,135	9,577	442	4.8%
64.2%	9,101	9,539	438	4.8%
65.4%	8,999	9,384	385	4.3%
66.7%	8,923	9,077	154	1.7%
67.9%	8,640	8,846	206	2.4%
69.1%	8,529	8,767	238	2.8%
70.4%	8,479	8,554	75	0.9%
71.6%	8,421	8,439	19	0.2%
72.8%	8,357	8,245	-112	-1.3%
74.1%	8,132	8,150	18	0.2%
75.3%	8,018	8,107	89	1.1%
76.5%	7,929	8,051	122	1.5%
77.8%	7,825	7,815	-10	-0.1%
79.0%	7,813	7,729	-84	-1.1%
80.2%	7,571	7,691	120	1.6%
81.5%	7,531	7,624	93	1.2%
82.7%	7,495	7,549	54	0.7%
84.0%	7,392	7,509	118	1.6%
85.2%	7,385	7,479	95	1.3%
86.4%	7,294	7,429	135	1.8%
87.7%	7,243	7,354	111	1.5%
88.9%	7,236	7,242	6	0.1%
90.1%	7,212	7,044	-168	-2.3%
91.4%	6,927	7,043	117	1.7%
92.6%	6,487	6,922	435	6.7%
93.8%	6,383	6,750	367	5.8%
95.1%	6,365	6,683	317	5.0%
96.3%	6,247	6,525	278	4.4%
97.5%	5,873	6,475	602	10.3%
98.8%	5,655	6,183	529	9.4%
100.0%	5,475	5,874	398	7.3%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,314	0	0.0%
1.2%	13,821	13,937	117	0.8%
2.5%	13,811	13,926	115	0.8%
3.7%	13,801	13,821	20	0.1%
4.9%	13,757	13,811	53	0.4%
6.2%	13,751	13,757	7	0.0%
7.4%	13,714	13,751	37	0.3%
8.6%	13,577	13,742	164	1.2%
9.9%	13,524	13,577	53	0.4%
11.1%	13,497	13,524	27	0.2%
12.3%	13,387	13,497	110	0.8%
13.6%	13,374	13,387	13	0.1%
14.8%	13,304	13,374	70	0.5%
16.0%	13,304	13,304	0	0.0%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,301	13,301	0	0.0%
27.2%	13,257	13,296	39	0.3%
28.4%	13,107	13,218	112	0.9%
29.6%	13,100	13,012	-89	-0.7%
30.9%	13,093	12,974	-119	-0.9%
32.1%	12,981	12,798	-183	-1.4%
33.3%	12,879	12,754	-125	-1.0%
34.6%	12,862	12,725	-137	-1.1%
35.8%	12,776	12,676	-100	-0.8%
37.0%	12,698	12,507	-191	-1.5%
38.3%	12,662	12,474	-188	-1.5%
39.5%	12,513	12,472	-41	-0.3%
40.7%	12,473	12,416	-57	-0.5%
42.0%	12,353	12,323	-30	-0.2%
43.2%	12,332	12,321	-11	-0.1%
44.4%	11,990	12,244	254	2.1%
45.7%	11,900	12,226	326	2.7%
46.9%	11,841	12,159	318	2.7%
48.1%	11,779	11,994	215	1.8%
49.4%	11,554	11,983	429	3.7%
50.6%	11,527	11,779	252	2.2%
51.9%	11,287	11,594	308	2.7%
53.1%	11,197	11,555	358	3.2%
54.3%	11,006	11,339	334	3.0%
55.6%	10,912	11,332	420	3.8%
56.8%	10,699	11,325	625	5.8%
58.0%	10,425	10,998	573	5.5%
59.3%	10,422	10,886	464	4.5%
60.5%	10,388	10,728	340	3.3%
61.7%	10,226	10,626	399	3.9%
63.0%	10,083	10,359	276	2.7%
64.2%	9,755	10,267	512	5.2%
65.4%	9,692	9,955	263	2.7%
66.7%	9,627	9,947	320	3.3%
67.9%	9,622	9,919	297	3.1%
69.1%	9,598	9,736	138	1.4%
70.4%	9,578	9,532	-46	-0.5%
71.6%	9,494	9,505	12	0.1%
72.8%	9,459	9,446	-13	-0.1%
74.1%	9,446	9,348	-99	-1.0%
75.3%	9,401	9,207	-194	-2.1%
76.5%	9,106	9,158	52	0.6%
77.8%	9,065	9,043	-22	-0.2%
79.0%	8,998	9,026	28	0.3%
80.2%	8,685	9,019	333	3.8%
81.5%	8,683	8,972	289	3.3%
82.7%	8,612	8,963	350	4.1%
84.0%	8,521	8,671	150	1.8%
85.2%	8,486	8,231	-256	-3.0%
86.4%	7,977	8,198	221	2.8%
87.7%	7,968	8,087	120	1.5%
88.9%	7,964	8,017	53	0.7%
90.1%	7,932	7,985	52	0.7%
91.4%	7,756	7,870	115	1.5%
92.6%	7,659	7,492	-167	-2.2%
93.8%	7,406	7,462	56	0.8%
95.1%	6,850	7,324	474	6.9%
96.3%	6,593	7,161	568	8.6%
97.5%	6,592	7,033	441	6.7%
98.8%	6,536	6,898	362	5.5%
100.0%	6,342	6,838	495	7.8%

Table SW-20-5b
Lake Oroville, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,363	92	0.6%
1.2%	14,207	14,271	64	0.4%
2.5%	14,201	14,207	6	0.0%
3.7%	14,041	14,201	160	1.1%
4.9%	14,001	14,041	40	0.3%
6.2%	13,997	14,029	32	0.2%
7.4%	13,967	14,001	33	0.2%
8.6%	13,884	13,967	83	0.6%
9.9%	13,851	13,884	33	0.2%
11.1%	13,847	13,851	3	0.0%
12.3%	13,790	13,795	5	0.0%
13.6%	13,761	13,761	0	0.0%
14.8%	13,660	13,694	34	0.3%
16.0%	13,644	13,644	0	0.0%
17.3%	13,624	13,624	0	0.0%
18.5%	13,531	13,586	55	0.4%
19.8%	13,495	13,545	50	0.4%
21.0%	13,474	13,531	57	0.4%
22.2%	13,451	13,501	50	0.4%
23.5%	13,411	13,474	63	0.5%
24.7%	13,387	13,451	63	0.5%
25.9%	13,364	13,432	68	0.5%
27.2%	13,335	13,387	53	0.4%
28.4%	13,304	13,364	60	0.5%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,304	3	0.0%
45.7%	13,214	13,304	90	0.7%
46.9%	13,185	13,301	116	0.9%
48.1%	13,157	13,272	114	0.9%
49.4%	13,140	12,944	-195	-1.5%
50.6%	12,678	12,836	158	1.2%
51.9%	12,632	12,806	174	1.4%
53.1%	12,517	12,674	157	1.3%
54.3%	12,317	12,616	299	2.4%
55.6%	12,266	12,514	248	2.0%
56.8%	12,195	12,385	190	1.6%
58.0%	12,011	12,312	301	2.5%
59.3%	12,011	12,012	2	0.0%
60.5%	11,831	11,732	-99	-0.8%
61.7%	11,831	11,666	-164	-1.4%
63.0%	11,414	11,523	109	1.0%
64.2%	11,115	11,326	211	1.9%
65.4%	11,026	11,323	297	2.7%
66.7%	10,900	11,232	331	3.0%
67.9%	10,856	11,041	185	1.7%
69.1%	10,692	10,933	241	2.3%
70.4%	10,577	10,661	84	0.8%
71.6%	10,505	10,594	90	0.9%
72.8%	10,411	10,580	169	1.6%
74.1%	10,266	10,568	302	2.9%
75.3%	10,220	10,437	217	2.1%
76.5%	10,143	10,408	265	2.6%
77.8%	10,034	10,180	146	1.5%
79.0%	9,930	10,174	244	2.5%
80.2%	9,898	10,133	234	2.4%
81.5%	9,855	9,973	118	1.2%
82.7%	9,820	9,860	40	0.4%
84.0%	9,770	9,734	-35	-0.4%
85.2%	9,720	9,715	-5	-0.1%
86.4%	9,406	9,690	284	3.0%
87.7%	9,206	9,662	455	4.9%
88.9%	8,879	9,314	435	4.9%
90.1%	8,548	8,656	108	1.3%
91.4%	8,243	8,294	51	0.6%
92.6%	7,855	8,082	226	2.9%
93.8%	7,612	8,067	455	6.0%
95.1%	7,395	7,913	518	7.0%
96.3%	7,351	7,827	476	6.5%
97.5%	7,342	7,701	359	4.9%
98.8%	7,214	7,097	-117	-1.6%
100.0%	6,412	7,096	683	10.7%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,551	14,554	3	0.0%
3.7%	14,454	14,551	97	0.7%
4.9%	14,421	14,454	33	0.2%
6.2%	14,411	14,421	10	0.1%
7.4%	14,361	14,411	50	0.3%
8.6%	14,331	14,361	30	0.2%
9.9%	14,221	14,331	110	0.8%
11.1%	14,207	14,221	13	0.1%
12.3%	14,204	14,207	3	0.0%
13.6%	14,191	14,204	13	0.1%
14.8%	14,131	14,191	60	0.4%
16.0%	14,104	14,131	27	0.2%
17.3%	14,101	14,104	3	0.0%
18.5%	14,091	14,101	10	0.1%
19.8%	14,071	14,091	20	0.1%
21.0%	14,007	14,071	63	0.5%
22.2%	13,994	14,014	20	0.1%
23.5%	13,977	14,007	30	0.2%
24.7%	13,971	13,994	23	0.2%
25.9%	13,937	13,977	41	0.3%
27.2%	13,891	13,971	80	0.6%
28.4%	13,891	13,891	0	0.0%
29.6%	13,857	13,891	33	0.2%
30.9%	13,847	13,857	10	0.1%
32.1%	13,824	13,847	23	0.2%
33.3%	13,821	13,824	3	0.0%
34.6%	13,801	13,821	20	0.1%
35.8%	13,797	13,801	3	0.0%
37.0%	13,767	13,797	30	0.2%
38.3%	13,751	13,767	17	0.1%
39.5%	13,737	13,751	13	0.1%
40.7%	13,707	13,737	30	0.2%
42.0%	13,544	13,581	37	0.3%
43.2%	13,501	13,564	63	0.5%
44.4%	13,454	13,501	47	0.3%
45.7%	13,401	13,454	53	0.4%
46.9%	13,401	13,404	3	0.0%
48.1%	13,390	13,401	10	0.1%
49.4%	13,359	13,401	42	0.3%
50.6%	13,334	13,396	62	0.5%
51.9%	13,304	13,358	54	0.4%
53.1%	13,304	13,334	30	0.2%
54.3%	13,304	13,304	0	0.0%
55.6%	13,304	13,304	0	0.0%
56.8%	13,304	13,304	0	0.0%
58.0%	13,304	13,304	0	0.0%
59.3%	13,304	13,304	0	0.0%
60.5%	13,207	13,304	97	0.7%
61.7%	13,137	13,304	167	1.3%
63.0%	12,975	13,175	201	1.5%
64.2%	12,943	13,030	87	0.7%
65.4%	12,421	12,724	304	2.4%
66.7%	12,281	12,459	178	1.4%
67.9%	12,102	12,458	356	2.9%
69.1%	11,937	12,384	447	3.7%
70.4%	11,786	12,053	268	2.3%
71.6%	11,760	11,836	77	0.7%
72.8%	11,552	11,730	177	1.5%
74.1%	11,428	11,686	258	2.3%
75.3%	11,414	11,564	150	1.3%
76.5%	11,207	11,482	275	2.5%
77.8%	11,182	11,416	233	2.1%
79.0%	11,073	11,387	314	2.8%
80.2%	11,011	11,293	282	2.6%
81.5%	11,001	11,149	148	1.3%
82.7%	10,925	10,890	-35	-0.3%
84.0%	10,734	10,824	90	0.8%
85.2%	10,554	10,591	37	0.3%
86.4%	10,392	10,497	105	1.0%
87.7%	10,038	10,449	411	4.1%
88.9%	9,978	10,379	402	4.0%
90.1%	9,657	9,586	-71	-0.7%
91.4%	8,817	8,980	163	1.9%
92.6%	8,522	8,864	342	4.0%
93.8%	8,491	8,742	251	3.0%
95.1%	8,441	8,728	286	3.4%
96.3%	8,347	8,695	348	4.2%
97.5%	8,023	8,660	637	7.9%
98.8%	7,718	7,931	213	2.8%
100.0%	7,393	7,146	-248	-3.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,530	15,530	0	0.0%
2.5%	15,517	15,517	0	0.0%
3.7%	15,497	15,497	0	0.0%
4.9%	15,454	15,454	0	0.0%
6.2%	15,434	15,434	0	0.0%
7.4%	15,330	15,330	0	0.0%
8.6%	15,306	15,306	0	0.0%
9.9%	15,218	15,218	0	0.0%
11.1%	15,218	15,217	-1	0.0%
12.3%	15,199	15,199	0	0.0%
13.6%	15,192	15,192	0	0.0%
14.8%	15,190	15,190	0	0.0%
16.0%	15,184	15,184	0	0.0%
17.3%	15,177	15,177	0	0.0%
18.5%	15,124	15,124	0	0.0%
19.8%	15,090	15,090	0	0.0%
21.0%	15,028	15,028	0	0.0%
22.2%	15,020	15,020	0	0.0%
23.5%	15,004	15,004	0	0.0%
24.7%	14,996	14,996	0	0.0%
25.9%	14,990	14,990	0	0.0%
27.2%	14,984	14,984	0	0.0%
28.4%	14,984	14,984	0	0.0%
29.6%	14,957	14,957	0	0.0%
30.9%	14,947	14,947	0	0.0%
32.1%	14,935	14,935	0	0.0%
33.3%	14,934	14,934	0	0.0%
34.6%	14,814	14,831	18	0.1%
35.8%	14,804	14,814	10	0.1%
37.0%	14,797	14,804	7	0.0%
38.3%	14,794	14,797	3	0.0%
39.5%	14,790	14,794	4	0.0%
40.7%	14,737	14,790	53	0.4%
42.0%	14,704	14,767	63	0.4%
43.2%	14,704	14,737	33	0.2%
44.4%	14,688	14,704	16	0.1%
45.7%	14,643	14,704	61	0.4%
46.9%	14,615	14,688	74	0.5%
48.1%	14,611	14,642	32	0.2%
49.4%	14,566	14,614	48	0.3%
50.6%	14,486	14,611	125	0.9%
51.9%	14,474	14,588	114	0.8%
53.1%	14,458	14,566	108	0.7%
54.3%	14,415	14,555	139	1.0%
55.6%	14,334	14,486	152	1.1%
56.8%	14,297	14,474	177	1.2%
58.0%	14,230	14,317	87	0.6%
59.3%	14,227	14,299	72	0.5%
60.5%	14,113	14,288	174	1.2%
61.7%	13,878	14,233	355	2.6%
63.0%	13,812	14,004	191	1.4%
64.2%	13,682	13,924	242	1.8%
65.4%	13,561	13,850	288	2.1%
66.7%	13,441	13,702	261	1.9%
67.9%	12,941	13,439	498	3.8%
69.1%	12,933	13,141	208	1.6%
70.4%	12,912	12,922	11	0.1%
71.6%	12,763	12,804	41	0.3%
72.8%	12,751	12,672	-79	-0.6%
74.1%	12,455	12,579	124	1.0%
75.3%	12,205	12,518	313	2.6%
76.5%	12,092	12,454	362	3.0%
77.8%	12,023	12,448	425	3.5%
79.0%	12,007	12,289	281	2.3%
80.2%	11,992	12,078	87	0.7%
81.5%	11,614	11,951	337	2.9%
82.7%	11,555	11,929	374	3.2%
84.0%	11,500	11,606	106	0.9%
85.2%	11,478	11,582	105	0.9%
86.4%	10,818	11,494	676	6.2%
87.7%	10,804	10,745	-59	-0.5%
88.9%	10,294	10,333	39	0.4%
90.1%	10,171	10,082	-89	-0.9%
91.4%	9,611	10,021	410	4.3%
92.6%	9,401	9,719	318	3.4%
93.8%	9,026	9,355	329	3.6%
95.1%	8,736	9,326	591	6.8%
96.3%	8,686	9,064	378	4.4%
97.5%	8,156	8,782	626	7.7%
98.8%	8,011	8,224	213	2.7%
100.0%	6,932	6,734	-199	-2.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,804	0	0.0%
27.2%	15,804	15,804	0	0.0%
28.4%	15,804	15,804	0	0.0%
29.6%	15,804	15,804	0	0.0%
30.9%	15,804	15,804	0	0.0%
32.1%	15,804	15,804	0	0.0%
33.3%	15,804	15,804	0	0.0%
34.6%	15,798	15,797	-1	0.0%
35.8%	15,782	15,782	0	0.0%
37.0%	15,767	15,767	0	0.0%
38.3%	15,699	15,717	18	0.1%
39.5%	15,657	15,699	42	0.3%
40.7%	15,616	15,657	41	0.3%
42.0%	15,544	15,616	72	0.5%
43.2%	15,389	15,543	154	1.0%
44.4%	15,362	15,389	27	0.2%
45.7%	15,249	15,361	112	0.7%
46.9%	15,220	15,221	0	0.0%
48.1%	15,164	15,163	-1	0.0%
49.4%	14,998	15,142	144	1.0%
50.6%	14,899	15,014	115	0.8%
51.9%	14,794	14,997	203	1.4%
53.1%	14,786	14,898	112	0.8%
54.3%	14,700	14,859	159	1.1%
55.6%	14,693	14,786	93	0.6%
56.8%	14,643	14,715	72	0.5%
58.0%	14,598	14,696	97	0.7%
59.3%	14,454	14,596	143	1.0%
60.5%	14,379	14,476	97	0.7%
61.7%	13,910	14,296	385	2.8%
63.0%	13,821	14,127	306	2.2%
64.2%	13,799	14,117	318	2.3%
65.4%	13,647	14,065	418	3.1%
66.7%	13,624	13,917	293	2.1%
67.9%	13,569	13,859	290	2.1%
69.1%	13,537	13,815	279	2.1%
70.4%	13,458	13,776	318	2.4%
71.6%	13,408	13,462	55	0.4%
72.8%	13,302	13,392	91	0.7%
74.1%	13,115	13,272	157	1.2%
75.3%	12,928	13,156	228	1.8%
76.5%	12,672	13,075	403	3.2%
77.8%	12,625	12,707	82	0.6%
79.0%	12,345	12,675	330	2.7%
80.2%	12,223	12,403	180	1.5%
81.5%	12,117	12,184	67	0.5%
82.7%	11,904	11,963	59	0.5%
84.0%	11,830	11,929	98	0.8%
85.2%	10,924	11,712	787	7.2%
86.4%	10,669	11,657	989	9.3%
87.7%	10,526	11,285	760	7.2%
88.9%	10,414	10,502	88	0.8%
90.1%	10,372	10,000	-373	-3.6%
91.4%	10,134	9,983	-151	-1.5%
92.6%	9,467	9,850	383	4.0%
93.8%	9,238	9,824	586	6.3%
95.1%	8,738	8,910	172	2.0%
96.3%	8,488	8,839	351	4.1%
97.5%	8,256	8,599	343	4.2%
98.8%	7,798	8,469	671	8.6%
100.0%	6,689	6,486	-203	-3.0%

Table SW-20-5b

Lake Oroville, End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,800	-3	0.0%
19.8%	15,804	15,787	-16	-0.1%
21.0%	15,804	15,760	-44	-0.3%
22.2%	15,804	15,738	-66	-0.4%
23.5%	15,804	15,733	-71	-0.4%
24.7%	15,804	15,722	-82	-0.5%
25.9%	15,804	15,715	-88	-0.6%
27.2%	15,804	15,713	-91	-0.6%
28.4%	15,804	15,706	-98	-0.6%
29.6%	15,804	15,664	-140	-0.9%
30.9%	15,804	15,660	-144	-0.9%
32.1%	15,660	15,648	-11	-0.1%
33.3%	15,629	15,383	-246	-1.6%
34.6%	15,568	15,348	-220	-1.4%
35.8%	15,425	15,337	-88	-0.6%
37.0%	15,417	15,272	-145	-0.9%
38.3%	15,175	15,270	95	0.6%
39.5%	15,028	15,042	15	0.1%
40.7%	14,942	14,935	-7	0.0%
42.0%	14,877	14,894	17	0.1%
43.2%	14,871	14,847	-24	-0.2%
44.4%	14,716	14,803	87	0.6%
45.7%	14,709	14,779	70	0.5%
46.9%	14,654	14,737	82	0.6%
48.1%	14,566	14,661	95	0.7%
49.4%	14,374	14,631	257	1.8%
50.6%	14,353	14,469	116	0.8%
51.9%	14,348	14,445	97	0.7%
53.1%	14,285	14,353	68	0.5%
54.3%	14,190	14,344	154	1.1%
55.6%	14,112	14,297	185	1.3%
56.8%	13,982	14,040	58	0.4%
58.0%	13,840	14,030	191	1.4%
59.3%	13,758	13,880	122	0.9%
60.5%	13,632	13,754	122	0.9%
61.7%	13,621	13,746	125	0.9%
63.0%	13,580	13,674	94	0.7%
64.2%	13,501	13,529	28	0.2%
65.4%	13,432	13,496	64	0.5%
66.7%	13,021	13,314	293	2.3%
67.9%	12,966	13,241	275	2.1%
69.1%	12,947	13,038	90	0.7%
70.4%	12,795	13,010	214	1.7%
71.6%	12,661	12,980	319	2.5%
72.8%	12,604	12,845	241	1.9%
74.1%	12,489	12,653	164	1.3%
75.3%	12,268	12,533	266	2.2%
76.5%	11,888	12,377	489	4.1%
77.8%	11,714	12,232	518	4.4%
79.0%	11,654	12,082	428	3.7%
80.2%	11,634	12,000	366	3.1%
81.5%	11,549	11,594	45	0.4%
82.7%	11,101	11,343	242	2.2%
84.0%	11,065	11,299	234	2.1%
85.2%	10,606	11,201	595	5.6%
86.4%	9,924	11,049	1,126	11.3%
87.7%	9,723	10,841	1,118	11.5%
88.9%	9,701	9,594	-107	-1.1%
90.1%	9,466	9,439	-27	-0.3%
91.4%	9,309	9,332	23	0.2%
92.6%	8,802	9,247	445	5.1%
93.8%	8,526	8,945	419	4.9%
95.1%	8,110	8,479	369	4.6%
96.3%	7,840	8,320	481	6.1%
97.5%	7,201	8,209	1,008	14.0%
98.8%	6,982	7,846	864	12.4%
100.0%	5,696	5,475	-221	-3.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,800	-4	0.0%
3.7%	15,804	15,593	-210	-1.3%
4.9%	15,804	15,538	-265	-1.7%
6.2%	15,502	15,428	-74	-0.5%
7.4%	15,294	15,402	108	0.7%
8.6%	15,257	15,165	-92	-0.6%
9.9%	15,091	14,877	-214	-1.4%
11.1%	14,744	14,785	41	0.3%
12.3%	14,668	14,624	-44	-0.3%
13.6%	14,578	14,571	-7	0.0%
14.8%	14,445	14,475	30	0.2%
16.0%	14,394	14,344	-50	-0.3%
17.3%	14,326	14,295	-31	-0.2%
18.5%	14,209	14,104	-105	-0.7%
19.8%	14,114	14,087	-27	-0.2%
21.0%	14,099	14,067	-32	-0.2%
22.2%	14,082	13,956	-126	-0.9%
23.5%	14,041	13,956	-85	-0.6%
24.7%	14,006	13,947	-59	-0.4%
25.9%	13,986	13,919	-67	-0.5%
27.2%	13,932	13,827	-104	-0.7%
28.4%	13,922	13,827	-95	-0.7%
29.6%	13,863	13,752	-111	-0.8%
30.9%	13,824	13,729	-95	-0.7%
32.1%	13,670	13,675	4	0.0%
33.3%	13,654	13,581	-73	-0.5%
34.6%	13,541	13,407	-135	-1.0%
35.8%	13,425	13,308	-117	-0.9%
37.0%	13,379	13,291	-88	-0.7%
38.3%	13,184	13,279	95	0.7%
39.5%	12,943	13,205	262	2.0%
40.7%	12,887	12,987	100	0.8%
42.0%	12,829	12,975	146	1.1%
43.2%	12,823	12,842	20	0.2%
44.4%	12,799	12,842	43	0.3%
45.7%	12,794	12,808	14	0.1%
46.9%	12,751	12,806	55	0.4%
48.1%	12,522	12,753	230	1.8%
49.4%	12,474	12,750	276	2.2%
50.6%	12,461	12,622	162	1.3%
51.9%	12,422	12,528	106	0.9%
53.1%	12,225	12,444	219	1.8%
54.3%	12,202	12,347	145	1.2%
55.6%	12,051	12,281	230	1.9%
56.8%	11,986	12,214	228	1.9%
58.0%	11,706	12,032	326	2.8%
59.3%	11,683	11,913	230	2.0%
60.5%	11,659	11,817	158	1.4%
61.7%	11,648	11,679	31	0.3%
63.0%	11,562	11,513	-49	-0.4%
64.2%	11,432	11,489	57	0.5%
65.4%	11,251	11,361	110	1.0%
66.7%	10,821	11,203	382	3.5%
67.9%	10,813	11,127	314	2.9%
69.1%	10,812	11,028	216	2.0%
70.4%	10,788	10,946	158	1.5%
71.6%	10,760	10,781	21	0.2%
72.8%	10,673	10,585	-88	-0.8%
74.1%	10,387	10,581	193	1.9%
75.3%	10,097	10,516	419	4.1%
76.5%	9,708	10,411	703	7.2%
77.8%	9,689	10,205	515	5.3%
79.0%	9,478	10,133	655	6.9%
80.2%	9,364	10,115	751	8.0%
81.5%	9,335	10,011	675	7.2%
82.7%	8,937	9,397	460	5.2%
84.0%	8,826	9,340	514	5.8%
85.2%	8,822	9,069	246	2.8%
86.4%	7,791	8,989	1,198	15.4%
87.7%	7,388	8,533	1,144	15.5%
88.9%	7,378	8,071	693	9.4%
90.1%	7,249	7,560	311	4.3%
91.4%	7,190	7,413	223	3.1%
92.6%	6,563	7,114	551	8.4%
93.8%	6,438	7,001	563	8.7%
95.1%	6,401	6,998	597	9.3%
96.3%	6,391	6,873	483	7.6%
97.5%	6,376	6,628	252	4.0%
98.8%	6,049	6,458	409	6.8%
100.0%	5,406	5,186	-220	-4.1%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,532	-272	-1.7%
1.2%	15,804	15,398	-405	-2.6%
2.5%	15,763	15,367	-395	-2.5%
3.7%	15,632	15,306	-325	-2.1%
4.9%	15,574	15,051	-524	-3.4%
6.2%	15,086	15,014	-72	-0.5%
7.4%	15,059	14,996	-64	-0.4%
8.6%	14,956	14,594	-362	-2.4%
9.9%	14,715	14,519	-196	-1.3%
11.1%	14,692	14,509	-182	-1.2%
12.3%	14,024	14,012	-12	-0.1%
13.6%	13,981	13,988	6	0.0%
14.8%	13,970	13,930	-39	-0.3%
16.0%	13,784	13,633	-150	-1.1%
17.3%	13,717	13,612	-105	-0.8%
18.5%	13,467	13,587	120	0.9%
19.8%	13,381	13,531	151	1.1%
21.0%	13,322	13,313	-9	-0.1%
22.2%	13,056	13,238	182	1.4%
23.5%	13,046	13,233	187	1.4%
24.7%	12,927	13,139	212	1.6%
25.9%	12,752	12,835	83	0.7%
27.2%	12,734	12,816	82	0.6%
28.4%	12,515	12,641	126	1.0%
29.6%	12,515	12,523	8	0.1%
30.9%	12,472	12,511	39	0.3%
32.1%	12,398	12,394	-4	0.0%
33.3%	12,316	12,351	35	0.3%
34.6%	12,141	12,345	204	1.7%
35.8%	12,058	12,141	83	0.7%
37.0%	11,873	12,092	219	1.8%
38.3%	11,811	12,044	233	2.0%
39.5%	11,579	11,967	388	3.4%
40.7%	11,563	11,812	248	2.1%
42.0%	11,530	11,803	272	2.4%
43.2%	11,462	11,704	242	2.1%
44.4%	11,460	11,682	222	1.9%
45.7%	11,380	11,585	205	1.8%
46.9%	11,352	11,548	196	1.7%
48.1%	11,252	11,506	254	2.3%
49.4%	11,177	11,446	269	2.4%
50.6%	10,974	11,220	245	2.2%
51.9%	10,825	11,162	337	3.1%
53.1%	10,792	11,085	293	2.7%
54.3%	10,648	10,613	-35	-0.3%
55.6%	10,620	10,600	-20	-0.2%
56.8%	10,493	10,424	-69	-0.7%
58.0%	10,343	10,410	68	0.7%
59.3%	10,083	10,372	290	2.9%
60.5%	10,032	10,157	125	1.2%
61.7%	9,986	9,962	-24	-0.2%
63.0%	9,887	9,798	-90	-0.9%
64.2%	9,691	9,536	-155	-1.6%
65.4%	9,570	9,501	-70	-0.7%
66.7%	9,519	9,482	-37	-0.4%
67.9%	9,325	9,454	130	1.4%
69.1%	9,250	9,303	53	0.6%
70.4%	9,107	9,177	69	0.8%
71.6%	9,039	9,169	130	1.4%
72.8%	8,649	9,029	380	4.4%
74.1%	8,491	8,825	334	3.9%
75.3%	8,436	8,809	372	4.4%
76.5%	8,267	8,497	230	2.8%
77.8%	7,999	8,386	387	4.8%
79.0%	7,745	8,383	638	8.2%
80.2%	7,745	8,087	342	4.4%
81.5%	7,515	7,978	462	6.2%
82.7%	7,169	7,603	435	6.1%
84.0%	7,057	7,430	373	5.3%
85.2%	6,958	7,331	374	5.4%
86.4%	6,904	7,280	376	5.4%
87.7%	6,891	6,818	-73	-1.1%
88.9%	6,838	6,784	-54	-0.8%
90.1%	6,603	6,742	139	2.1%
91.4%	6,287	6,717	430	6.8%
92.6%	6,255	6,710	455	7.3%
93.8%	6,064	6,429	365	6.0%
95.1%	5,937	6,424	488	8.2%
96.3%	5,934	6,267	333	5.6%
97.5%	5,873	6,237	363	6.2%
98.8%	5,750	6,189	439	7.6%
100.0%	5,404	5,184	-219	-4.1%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,180	15,180	0	0.0%
1.2%	15,180	15,180	0	0.0%
2.5%	14,799	14,402	-397	-2.7%
3.7%	14,399	13,640	-759	-5.3%
4.9%	14,214	13,574	-640	-4.5%
6.2%	14,057	13,529	-528	-3.8%
7.4%	13,744	13,510	-233	-1.7%
8.6%	13,521	13,163	-358	-2.6%
9.9%	13,297	12,781	-516	-3.9%
11.1%	12,976	12,744	-232	-1.8%
12.3%	12,805	12,550	-255	-2.0%
13.6%	12,245	12,431	186	1.5%
14.8%	12,115	12,319	205	1.7%
16.0%	12,114	12,166	52	0.4%
17.3%	12,111	12,106	-5	0.0%
18.5%	11,992	11,896	-97	-0.8%
19.8%	11,798	11,804	6	0.1%
21.0%	11,720	11,782	62	0.5%
22.2%	11,554	11,780	226	2.0%
23.5%	11,490	11,646	156	1.4%
24.7%	11,451	11,483	32	0.3%
25.9%	11,233	11,383	150	1.3%
27.2%	11,198	11,359	160	1.4%
28.4%	11,163	11,347	184	1.6%
29.6%	11,158	11,299	141	1.3%
30.9%	11,102	11,165	62	0.6%
32.1%	10,942	11,161	218	2.0%
33.3%	10,873	11,105	231	2.1%
34.6%	10,806	10,947	141	1.3%
35.8%	10,645	10,911	266	2.5%
37.0%	10,472	10,784	313	3.0%
38.3%	10,470	10,711	241	2.3%
39.5%	10,429	10,620	191	1.8%
40.7%	10,366	10,616	250	2.4%
42.0%	10,303	10,567	263	2.6%
43.2%	10,285	10,363	79	0.8%
44.4%	10,134	10,335	202	2.0%
45.7%	10,131	10,334	203	2.0%
46.9%	10,032	10,319	287	2.9%
48.1%	9,926	10,216	290	2.9%
49.4%	9,913	10,166	253	2.6%
50.6%	9,867	10,035	168	1.7%
51.9%	9,803	9,859	57	0.6%
53.1%	9,778	9,693	-85	-0.9%
54.3%	9,699	9,676	-23	-0.2%
55.6%	9,617	9,511	-105	-1.1%
56.8%	9,472	9,506	34	0.4%
58.0%	9,377	9,493	116	1.2%
59.3%	9,186	9,322	136	1.5%
60.5%	9,044	8,979	-65	-0.7%
61.7%	9,021	8,916	-106	-1.2%
63.0%	8,992	8,858	-134	-1.5%
64.2%	8,847	8,777	-69	-0.8%
65.4%	8,830	8,639	-191	-2.2%
66.7%	8,816	8,561	-255	-2.9%
67.9%	8,705	8,533	-172	-2.0%
69.1%	8,703	8,505	-198	-2.3%
70.4%	8,370	8,488	118	1.4%
71.6%	8,130	8,286	156	1.9%
72.8%	8,028	8,144	116	1.4%
74.1%	8,001	8,022	21	0.3%
75.3%	7,865	7,901	36	0.5%
76.5%	7,598	7,876	277	3.7%
77.8%	7,441	7,551	110	1.5%
79.0%	7,283	7,341	58	0.8%
80.2%	7,192	7,271	79	1.1%
81.5%	7,084	7,191	107	1.5%
82.7%	7,051	7,187	136	1.9%
84.0%	6,921	7,056	135	1.9%
85.2%	6,812	6,773	-39	-0.6%
86.4%	6,671	6,649	-22	-0.3%
87.7%	6,619	6,592	-27	-0.4%
88.9%	6,577	6,586	9	0.1%
90.1%	6,281	6,495	214	3.4%
91.4%	6,157	6,433	276	4.5%
92.6%	6,152	6,416	264	4.3%
93.8%	5,937	6,416	479	8.1%
95.1%	5,860	6,099	239	4.1%
96.3%	5,621	6,046	425	7.6%
97.5%	5,443	5,656	213	3.9%
98.8%	5,289	5,541	252	4.8%
100.0%	5,129	5,224	95	1.9%

Table SW-21-5a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative B	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

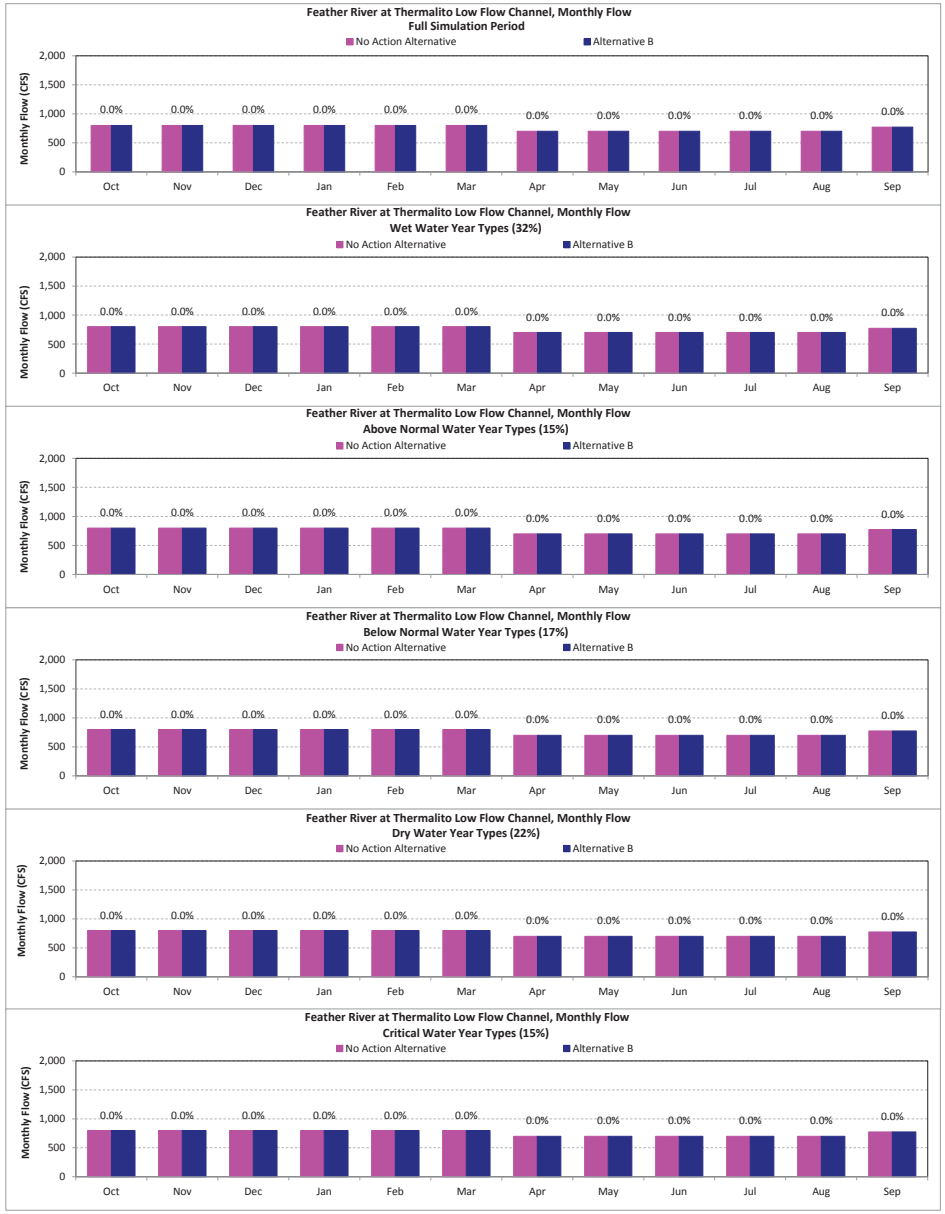

Figure SW-21-5b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

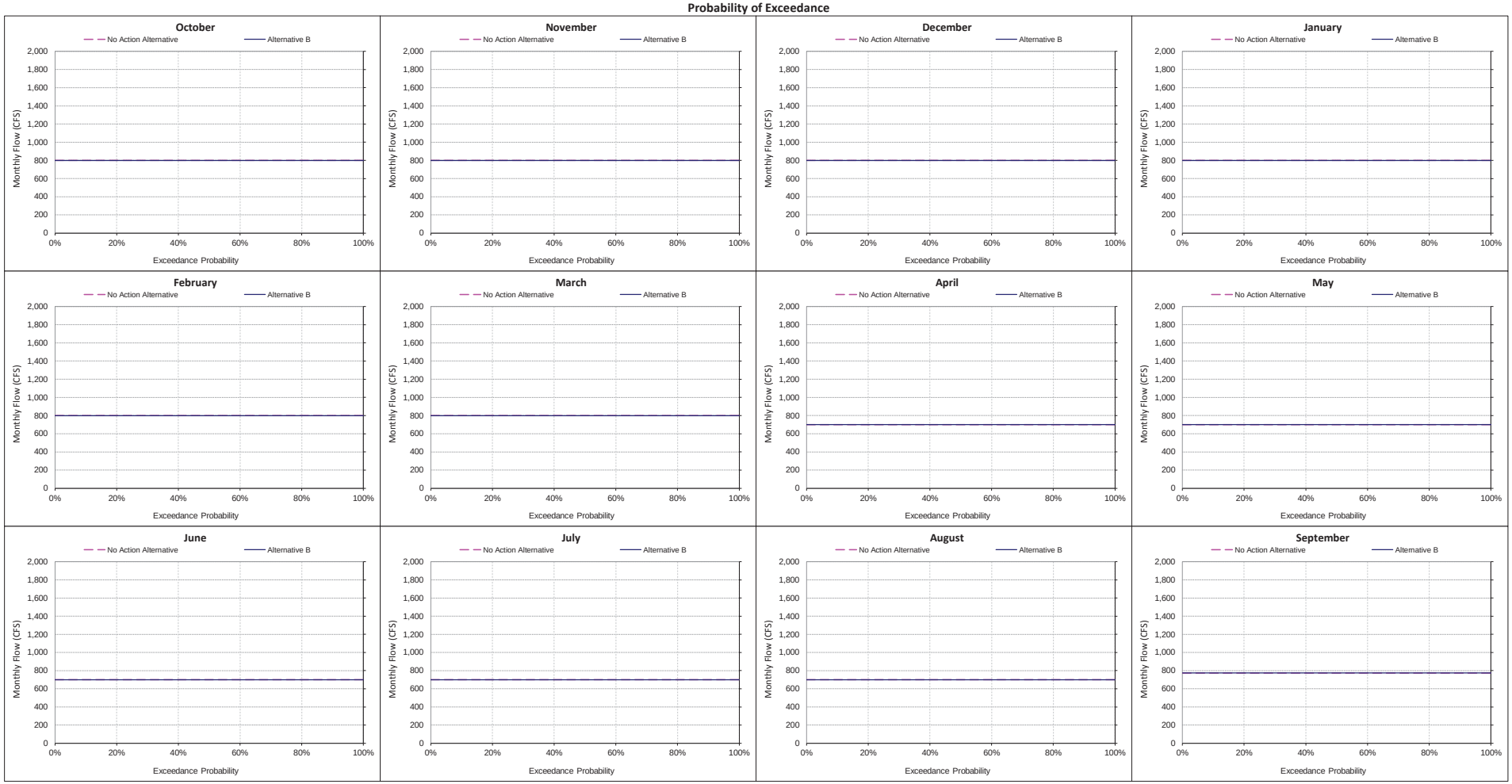

Table SW-21-5b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

	October				November				December				January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
2.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
3.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
4.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
6.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
7.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
8.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
9.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
11.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
12.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
13.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
14.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
16.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
18.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
19.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
21.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
23.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
24.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
25.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
27.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
28.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
29.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
30.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
32.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
33.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
34.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
35.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
37.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
39.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
40.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
42.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
44.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
45.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
46.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
48.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
49.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
50.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
51.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
53.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
54.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
55.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
56.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
58.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
60.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
61.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
63.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
65.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
66.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
67.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
69.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
70.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
71.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
72.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
74.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
75.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
76.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
77.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
79.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
81.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
82.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
84.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
86.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
87.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
88.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
90.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
91.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
92.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
93.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
95.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
96.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
97.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
98.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
100.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%

Table SW-21-5b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-5b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Table SW-22-5a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,815	2,230	3,453	4,661	5,498	5,941	3,079	3,640	3,783	7,723	4,992	4,831
Alternative B	2,699	2,185	3,261	4,633	5,544	5,972	3,030	3,571	3,782	7,624	5,194	5,135
Difference	-115	-45	-192	-29	46	30	-49	-69	-1	-99	202	304
Percent Difference[3]	-4.1%	-2.0%	-5.5%	-0.6%	0.8%	0.5%	-1.6%	-1.9%	0.0%	-1.3%	4.0%	6.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,835	3,384	5,285	10,620	11,516	12,387	6,511	7,539	5,149	6,745	3,920	8,437
Alternative B	3,639	3,271	4,701	10,625	11,367	12,418	6,511	7,542	5,256	6,795	3,981	8,613
Difference	-195	-113	-584	5	-148	31	0	3	107	50	61	177
Percent Difference	-5.1%	-3.3%	-11.0%	0.1%	-1.3%	0.2%	0.0%	0.0%	2.1%	0.7%	1.6%	2.1%
Above Normal (15%)												
No Action Alternative	3,592	2,323	3,389	3,461	5,426	7,028	2,257	3,232	3,397	9,119	6,405	7,040
Alternative B	3,550	2,359	2,884	3,575	5,479	7,283	2,257	3,383	3,826	9,070	6,262	7,405
Difference	-42	36	-505	114	53	255	0	151	430	-49	-143	365
Percent Difference	-1.2%	1.5%	-14.9%	3.3%	1.0%	3.6%	0.0%	4.7%	12.6%	-0.5%	-2.2%	5.2%
Below Normal (17%)												
No Action Alternative	2,533	1,893	2,615	1,711	2,799	2,337	1,119	1,159	2,849	9,062	6,441	2,656
Alternative B	2,335	1,893	3,204	1,508	3,440	2,312	1,119	1,142	3,096	8,931	6,243	2,705
Difference	-199	0	589	-203	640	-26	0	-16	247	-131	-197	49
Percent Difference	-7.8%	0.0%	22.5%	-11.9%	22.9%	-1.1%	0.0%	-1.4%	8.7%	-1.4%	-3.1%	1.8%
Dry (22%)												
No Action Alternative	2,031	1,516	2,732	1,453	1,635	1,685	1,329	1,605	3,442	8,256	6,071	2,002
Alternative B	1,893	1,475	2,508	1,394	1,569	1,544	1,246	1,279	3,047	8,074	6,707	2,510
Difference	-138	-41	-223	-59	-66	-141	-83	-326	-395	-182	636	508
Percent Difference	-6.8%	-2.7%	-8.2%	-4.1%	-4.1%	-8.3%	-6.2%	-20.3%	-11.5%	-2.2%	10.5%	25.4%
Critical (15%)												
No Action Alternative	1,330	1,101	1,607	1,206	1,476	1,480	1,375	1,545	2,807	6,084	2,595	1,592
Alternative B	1,445	1,063	1,716	1,209	1,408	1,605	1,168	1,424	2,446	5,772	3,263	2,103
Difference	115	-38	109	3	-68	126	-208	-121	-361	-312	667	511
Percent Difference	8.7%	-3.5%	6.8%	0.3%	-4.6%	8.5%	-15.1%	-7.8%	-12.9%	-5.1%	25.7%	32.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-22-5b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

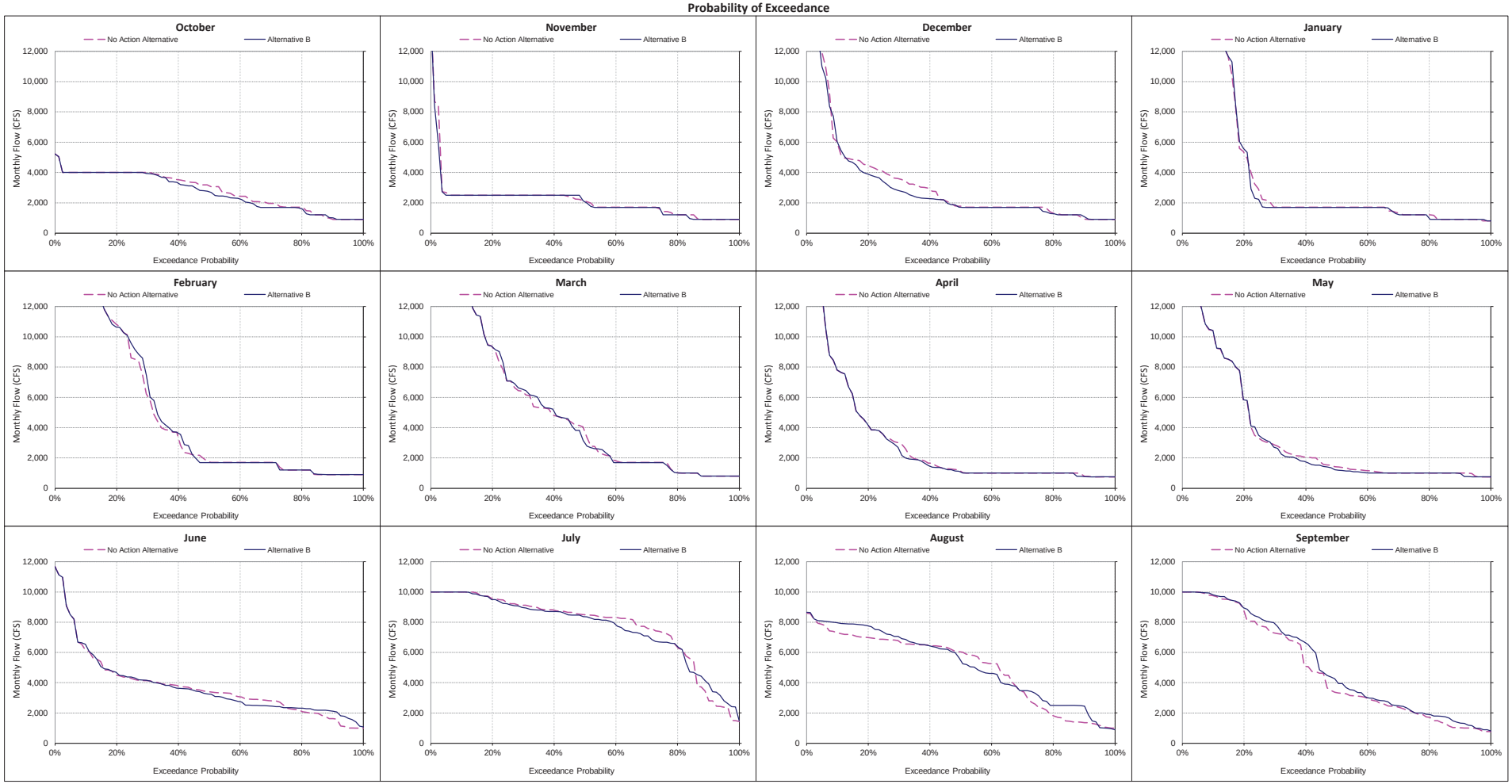

Table SW-22-5b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,232	5,226	-6	-0.1%
1.2%	5,039	5,039	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	4,000	0	0.0%
27.2%	4,000	4,000	0	0.0%
28.4%	4,000	4,000	0	0.0%
29.6%	4,000	3,943	-57	-1.4%
30.9%	4,000	3,917	-83	-2.1%
32.1%	3,896	3,889	-7	-0.2%
33.3%	3,872	3,805	-66	-1.7%
34.6%	3,789	3,683	-106	-2.8%
35.8%	3,662	3,661	-1	0.0%
37.0%	3,659	3,382	-277	-7.6%
38.3%	3,618	3,378	-240	-6.6%
39.5%	3,529	3,353	-176	-5.0%
40.7%	3,502	3,200	-302	-8.6%
42.0%	3,448	3,163	-285	-8.3%
43.2%	3,384	3,120	-264	-7.8%
44.4%	3,345	3,108	-237	-7.1%
45.7%	3,340	2,971	-369	-11.0%
46.9%	3,183	2,822	-362	-11.4%
48.1%	3,181	2,800	-381	-12.0%
49.4%	3,175	2,758	-417	-13.1%
50.6%	3,072	2,679	-392	-12.8%
51.9%	3,064	2,477	-587	-19.2%
53.1%	3,063	2,441	-621	-20.3%
54.3%	2,682	2,440	-242	-9.0%
55.6%	2,661	2,420	-241	-9.0%
56.8%	2,629	2,330	-299	-11.4%
58.0%	2,487	2,313	-174	-7.0%
59.3%	2,444	2,294	-150	-6.1%
60.5%	2,432	2,211	-221	-9.1%
61.7%	2,425	2,049	-376	-15.5%
63.0%	2,226	2,011	-215	-9.7%
64.2%	2,081	1,952	-130	-6.2%
65.4%	2,078	1,752	-326	-15.7%
66.7%	2,054	1,700	-354	-17.3%
67.9%	2,052	1,700	-352	-17.1%
69.1%	1,965	1,700	-265	-13.5%
70.4%	1,952	1,700	-252	-12.9%
71.6%	1,949	1,700	-249	-12.8%
72.8%	1,750	1,700	-50	-2.9%
74.1%	1,728	1,700	-28	-1.6%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,658	-42	-2.5%
80.2%	1,700	1,569	-131	-7.7%
81.5%	1,475	1,280	-195	-13.2%
82.7%	1,456	1,200	-256	-17.6%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,021	1,200	179	17.6%
88.9%	994	1,020	26	2.6%
90.1%	900	1,008	108	12.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,550	14,550	0	0.0%
1.2%	8,691	8,423	-268	-3.1%
2.5%	8,427	5,934	-2,493	-29.6%
3.7%	2,730	2,727	-3	-0.1%
4.9%	2,674	2,500	-174	-6.5%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,431	2,500	69	2.8%
45.7%	2,381	2,500	119	5.0%
46.9%	2,246	2,500	254	11.3%
48.1%	2,236	2,500	264	11.8%
49.4%	2,151	2,122	-29	-1.3%
50.6%	2,085	1,984	-101	-4.9%
51.9%	1,977	1,752	-224	-11.3%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,611	1,697	86	5.3%
75.3%	1,424	1,200	-224	-15.7%
76.5%	1,418	1,200	-218	-15.4%
77.8%	1,361	1,200	-161	-11.8%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	955	-245	-20.4%
85.2%	1,200	900	-300	-25.0%
86.4%	957	900	-57	-6.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,329	24,329	0	0.0%
1.2%	15,421	15,361	-60	-0.4%
2.5%	14,106	14,434	328	2.3%
3.7%	12,871	13,197	327	2.5%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,238	-745	-6.8%
7.4%	9,375	8,367	-1,008	-10.7%
8.6%	6,278	7,710	1,432	22.8%
9.9%	6,026	6,025	-1	0.0%
11.1%	5,200	5,467	267	5.1%
12.3%	4,959	5,043	84	1.7%
13.6%	4,921	4,757	-164	-3.3%
14.8%	4,857	4,675	-182	-3.7%
16.0%	4,839	4,498	-341	-7.0%
17.3%	4,768	4,140	-627	-13.2%
18.5%	4,540	3,992	-548	-12.1%
19.8%	4,496	3,902	-594	-13.2%
21.0%	4,372	3,808	-564	-12.9%
22.2%	4,266	3,715	-551	-12.9%
23.5%	4,145	3,656	-489	-11.8%
24.7%	4,094	3,414	-680	-16.6%
25.9%	3,918	3,234	-685	-17.5%
27.2%	3,807	3,011	-796	-20.9%
28.4%	3,631	2,906	-725	-20.0%
29.6%	3,595	2,814	-780	-21.7%
30.9%	3,537	2,753	-784	-22.2%
32.1%	3,421	2,684	-737	-21.5%
33.3%	3,238	2,537	-701	-21.6%
34.6%	3,234	2,451	-783	-24.2%
35.8%	3,144	2,364	-780	-24.8%
37.0%	3,037	2,309	-728	-24.0%
38.3%	3,010	2,295	-715	-23.8%
39.5%	2,971	2,281	-690	-23.2%
40.7%	2,760	2,260	-501	-18.1%
42.0%	2,752	2,227	-525	-19.1%
43.2%	2,230	2,214	-16	-0.7%
44.4%	2,200	2,198	-2	-0.1%
45.7%	2,082	1,960	-122	-5.9%
46.9%	1,967	1,876	-91	-4.6%
48.1%	1,792	1,860	69	3.8%
49.4%	1,770	1,701	-68	-3.9%
50.6%	1,767	1,700	-67	-3.8%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,699	-1	0.0%
76.5%	1,700	1,438	-262	-15.4%
77.8%	1,629	1,385	-244	-15.0%
79.0%	1,387	1,289	-98	-7.1%
80.2%	1,284	1,277	-7	-0.5%
81.5%	1,267	1,200	-67	-5.3%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,054	1,200	146	13.9%
90.1%	919	1,072	154	16.7%
91.4%	900	915	15	1.7%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,947	40,942	-5	0.0%
1.2%	35,873	35,870	-3	0.0%
2.5%	21,020	21,017	-3	0.0%
3.7%	20,580	20,580	-1	0.0%
4.9%	19,178	19,175	-3	0.0%
6.2%	19,034	17,384	-1,649	-8.7%
7.4%	15,060	15,497	437	2.9%
8.6%	14,373	15,280	907	6.3%
9.9%	13,890	14,369	478	3.4%
11.1%	13,790	13,891	101	0.7%
12.3%	12,688	12,688	0	0.0%
13.6%	12,234	12,230	-3	0.0%
14.8%	11,687	11,684	-2	0.0%
16.0%	10,488	11,310	822	7.8%
17.3%	8,342	8,341	-1	0.0%
18.5%	5,602	6,025	423	7.6%
19.8%	5,395	5,602	206	3.8%
21.0%	4,934	5,324	390	7.9%
22.2%	4,032	2,917	-1,115	-27.6%
23.5%	3,244	2,288	-956	-29.5%
24.7%	2,920	2,227	-693	-23.7%
25.9%	2,230	1,731	-498	-22.4%
27.2%	2,174	1,700	-474	-21.8%
28.4%	2,021	1,700	-321	-15.9%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,453	1,659	206	14.2%
67.9%	1,453	1,453	0	0.0%
69.1%	1,367	1,291	-76	-5.6%
70.4%	1,304	1,200	-104	-8.0%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	900	-300	-25.0%
81.5%	1,166	900	-266	-22.8%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	853	900	47	5.6%
97.5%	801	900	99	12.3%
98.8%	801	801	0	0.0%
100.0%	800	800	0	0.0%

Table SW-22-5b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,224	22	0.1%
2.5%	21,176	21,200	24	0.1%
3.7%	20,085	18,147	-1,937	-9.6%
4.9%	18,146	17,987	-159	-0.9%
6.2%	17,987	17,635	-352	-2.0%
7.4%	17,640	16,647	-993	-5.6%
8.6%	16,581	16,582	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,849	-40	-0.2%
12.3%	15,395	15,539	144	0.9%
13.6%	14,529	14,531	2	0.0%
14.8%	12,477	12,476	-1	0.0%
16.0%	11,789	11,786	-2	0.0%
17.3%	11,343	11,345	1	0.0%
18.5%	11,085	10,847	-238	-2.2%
19.8%	10,847	10,661	-186	-1.7%
21.0%	10,663	10,621	-42	-0.4%
22.2%	10,291	10,287	-4	0.0%
23.5%	10,131	10,090	-42	-0.4%
24.7%	8,601	9,584	983	11.4%
25.9%	8,525	9,168	642	7.5%
27.2%	8,379	8,847	468	5.6%
28.4%	7,497	8,601	1,105	14.7%
29.6%	6,228	7,494	1,267	20.3%
30.9%	5,796	6,016	220	3.8%
32.1%	4,869	5,795	927	19.0%
33.3%	4,403	4,866	462	10.5%
34.6%	3,993	4,401	408	10.2%
35.8%	3,865	4,197	332	8.6%
37.0%	3,835	3,986	152	4.0%
38.3%	3,709	3,729	20	0.5%
39.5%	3,696	3,700	5	0.1%
40.7%	2,821	3,551	730	25.9%
42.0%	2,358	2,884	525	22.3%
43.2%	2,318	2,814	496	21.4%
44.4%	2,230	2,227	-3	-0.1%
45.7%	2,194	1,963	-231	-10.5%
46.9%	2,174	1,700	-474	-21.8%
48.1%	1,969	1,700	-269	-13.7%
49.4%	1,787	1,700	-87	-4.9%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,387	1,200	-187	-13.5%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	926	949	24	2.6%
85.2%	900	924	24	2.7%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,038	1	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,268	-1	0.0%
3.7%	22,001	23,755	1,754	8.0%
4.9%	20,294	19,376	-918	-4.5%
6.2%	19,372	19,338	-34	-0.2%
7.4%	16,075	16,072	-3	0.0%
8.6%	14,409	14,275	-133	-0.9%
9.9%	14,277	14,151	-126	-0.9%
11.1%	13,402	13,402	0	0.0%
12.3%	12,917	12,917	0	0.0%
13.6%	11,916	11,911	-5	0.0%
14.8%	11,446	11,445	-1	0.0%
16.0%	11,351	11,358	7	0.1%
17.3%	10,166	10,144	-21	-0.2%
18.5%	9,485	9,451	-34	-0.4%
19.8%	9,393	9,389	-4	0.0%
21.0%	9,037	9,152	115	1.3%
22.2%	8,314	9,037	723	8.7%
23.5%	7,834	8,313	478	6.1%
24.7%	7,087	7,091	4	0.1%
25.9%	7,084	7,085	0	0.0%
27.2%	6,641	6,925	284	4.3%
28.4%	6,455	6,637	182	2.8%
29.6%	6,413	6,543	130	2.0%
30.9%	6,171	6,455	285	4.6%
32.1%	6,117	6,167	50	0.8%
33.3%	5,385	6,117	732	13.6%
34.6%	5,337	6,010	673	12.6%
35.8%	5,315	5,530	215	4.0%
37.0%	5,292	5,315	24	0.4%
38.3%	5,250	5,291	41	0.8%
39.5%	4,817	5,235	419	8.7%
40.7%	4,778	4,780	2	0.0%
42.0%	4,695	4,693	-2	0.0%
43.2%	4,582	4,638	56	1.2%
44.4%	4,529	4,587	57	1.3%
45.7%	4,355	4,122	-233	-5.4%
46.9%	4,170	3,824	-346	-8.3%
48.1%	4,145	3,817	-327	-7.9%
49.4%	4,050	3,146	-904	-22.3%
50.6%	3,379	2,779	-600	-17.8%
51.9%	2,786	2,677	-109	-3.9%
53.1%	2,768	2,611	-157	-5.7%
54.3%	2,380	2,603	223	9.4%
55.6%	2,254	2,551	297	13.2%
56.8%	2,174	2,324	150	6.9%
58.0%	2,144	2,132	-11	-0.5%
59.3%	1,859	1,700	-159	-8.5%
60.5%	1,775	1,700	-75	-4.2%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,669	1,504	-165	-9.9%
77.8%	1,278	1,236	-42	-3.3%
79.0%	1,040	1,037	-2	-0.2%
80.2%	1,019	1,011	-8	-0.8%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,592	17,590	-2	0.0%
2.5%	13,120	13,119	0	0.0%
3.7%	13,116	13,117	1	0.0%
4.9%	12,900	12,901	1	0.0%
6.2%	10,563	10,558	-5	0.0%
7.4%	8,771	8,771	0	0.0%
8.6%	8,459	8,459	0	0.0%
9.9%	7,812	7,810	-2	0.0%
11.1%	7,660	7,657	-2	0.0%
12.3%	7,560	7,560	0	0.0%
13.6%	6,692	6,691	-2	0.0%
14.8%	6,239	6,239	0	0.0%
16.0%	5,101	5,099	-3	-0.1%
17.3%	4,793	4,797	4	0.1%
18.5%	4,554	4,553	-1	0.0%
19.8%	4,224	4,223	-1	0.0%
21.0%	3,853	3,854	1	0.0%
22.2%	3,850	3,849	-1	0.0%
23.5%	3,795	3,800	5	0.1%
24.7%	3,587	3,586	-1	0.0%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,243	3,078	-165	-5.1%
28.4%	3,079	2,919	-159	-5.2%
29.6%	3,009	2,701	-308	-10.2%
30.9%	2,921	2,170	-751	-25.7%
32.1%	2,609	1,997	-612	-23.4%
33.3%	2,171	1,927	-244	-11.2%
34.6%	1,997	1,897	-99	-5.0%
35.8%	1,900	1,892	-8	-0.4%
37.0%	1,893	1,809	-84	-4.4%
38.3%	1,814	1,650	-164	-9.0%
39.5%	1,653	1,491	-161	-9.8%
40.7%	1,650	1,384	-266	-16.1%
42.0%	1,492	1,381	-111	-7.4%
43.2%	1,387	1,374	-13	-0.9%
44.4%	1,312	1,313	1	0.1%
45.7%	1,281	1,226	-54	-4.2%
46.9%	1,275	1,224	-51	-4.0%
48.1%	1,240	1,133	-108	-8.7%
49.4%	1,225	1,127	-97	-7.9%
50.6%	1,040	1,000	-40	-3.9%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	783	-217	-21.7%
88.9%	951	780	-171	-18.0%
90.1%	785	750	-35	-4.5%
91.4%	781	750	-31	-3.9%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,399	20,396	-3	0.0%
1.2%	18,247	18,248	1	0.0%
2.5%	17,333	17,334	1	0.0%
3.7%	16,793	16,795	1	0.0%
4.9%	12,825	12,825	0	0.0%
6.2%	11,871	11,871	0	0.0%
7.4%	10,838	10,838	0	0.0%
8.6%	10,472	10,507	35	0.3%
9.9%	10,420	10,418	-2	0.0%
11.1%	9,252	9,249	-2	0.0%
12.3%	9,193	9,229	37	0.4%
13.6%	8,592	8,593	1	0.0%
14.8%	8,530	8,526	-4	0.0%
16.0%	8,395	8,396	1	0.0%
17.3%	8,006	8,006	0	0.0%
18.5%	7,768	7,767	-1	0.0%
19.8%	5,851	5,844	-7	-0.1%
21.0%	5,792	5,792	0	0.0%
22.2%	4,053	4,102	49	1.2%
23.5%	3,505	4,059	554	15.8%
24.7%	3,307	3,501	194	5.9%
25.9%	3,143	3,305	161	5.1%
27.2%	3,045	3,164	120	3.9%
28.4%	3,007	3,048	41	1.4%
29.6%	2,884	2,716	-168	-5.8%
30.9%	2,784	2,628	-156	-5.6%
32.1%	2,629	2,246	-384	-14.6%
33.3%	2,411	2,098	-313	-13.0%
34.6%	2,286	2,061	-226	-9.9%
35.8%	2,219	2,057	-161	-7.3%
37.0%	2,138	1,952	-186	-8.7%
38.3%	2,118	1,814	-304	-14.3%
39.5%	2,063	1,777	-286	-13.9%
40.7%	2,056	1,669	-387	-18.8%
42.0%	2,012	1,565	-448	-22.2%
43.2%	2,002	1,528	-474	-23.7%
44.4%	1,777	1,520	-257	-14.5%
45.7%	1,569	1,443	-127	-8.1%
46.9%	1,535	1,415	-119	-7.8%
48.1%	1,522	1,354	-168	-11.0%
49.4%	1,424	1,218	-207	-14.5%
50.6%	1,407	1,188	-219	-15.6%
51.9%	1,369	1,168	-201	-14.7%
53.1%	1,354	1,147	-207	-15.3%
54.3%	1,255	1,135	-121	-9.6%
55.6%	1,241	1,098	-144	-11.6%
56.8%	1,220	1,091	-128	-10.5%
58.0%	1,198	1,053	-146	-12.1%
59.3%	1,168	1,025	-143	-12.2%
60.5%	1,152	1,000	-152	-13.2%
61.7%	1,136	1,000	-136	-12.0%
63.0%	1,094	1,000	-94	-8.6%
64.2%	1,054	1,000	-54	-5.1%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	971	-29	-2.9%
91.4%	1,000	779	-221	-22.1%
92.6%	1,000	773	-227	-22.7%
93.8%	977	762	-215	-22.0%
95.1%	785	750	-35	-4.5%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-5b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,681	0	0.0%
1.2%	11,148	11,145	-3	0.0%
2.5%	10,971	10,973	2	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,511	-3	0.0%
6.2%	8,203	8,205	2	0.0%
7.4%	6,686	6,681	-5	-0.1%
8.6%	6,549	6,650	101	1.5%
9.9%	6,154	6,551	397	6.5%
11.1%	6,071	6,060	-11	-0.2%
12.3%	5,637	5,859	222	3.9%
13.6%	5,563	5,560	-3	-0.1%
14.8%	5,400	5,084	-316	-5.9%
16.0%	4,843	4,923	80	1.7%
17.3%	4,842	4,885	43	0.9%
18.5%	4,754	4,769	15	0.3%
19.8%	4,490	4,696	206	4.6%
21.0%	4,466	4,477	11	0.3%
22.2%	4,381	4,470	89	2.0%
23.5%	4,370	4,387	17	0.4%
24.7%	4,293	4,381	88	2.0%
25.9%	4,217	4,318	101	2.4%
27.2%	4,161	4,195	33	0.8%
28.4%	4,149	4,176	27	0.7%
29.6%	4,147	4,159	12	0.3%
30.9%	4,125	4,119	-6	-0.2%
32.1%	4,049	4,015	-34	-0.8%
33.3%	4,024	3,977	-48	-1.2%
34.6%	3,924	3,932	8	0.2%
35.8%	3,893	3,823	-70	-1.8%
37.0%	3,883	3,818	-65	-1.7%
38.3%	3,848	3,706	-142	-3.7%
39.5%	3,828	3,646	-182	-4.8%
40.7%	3,741	3,624	-117	-3.1%
42.0%	3,722	3,601	-121	-3.2%
43.2%	3,706	3,592	-114	-3.1%
44.4%	3,584	3,524	-60	-1.7%
45.7%	3,557	3,448	-109	-3.1%
46.9%	3,514	3,403	-111	-3.2%
48.1%	3,451	3,310	-140	-4.1%
49.4%	3,422	3,263	-159	-4.7%
50.6%	3,381	3,242	-139	-4.1%
51.9%	3,355	3,094	-261	-7.8%
53.1%	3,336	3,093	-243	-7.3%
54.3%	3,332	3,033	-299	-9.0%
55.6%	3,323	2,941	-382	-11.5%
56.8%	3,309	2,900	-409	-12.4%
58.0%	3,153	2,844	-308	-9.8%
59.3%	3,080	2,763	-318	-10.3%
60.5%	3,046	2,716	-331	-10.9%
61.7%	2,926	2,521	-405	-13.8%
63.0%	2,917	2,515	-402	-13.8%
64.2%	2,898	2,500	-398	-13.7%
65.4%	2,892	2,495	-397	-13.7%
66.7%	2,863	2,485	-378	-13.2%
67.9%	2,849	2,480	-369	-13.0%
69.1%	2,813	2,466	-347	-12.3%
70.4%	2,806	2,449	-357	-12.7%
71.6%	2,798	2,414	-384	-13.7%
72.8%	2,718	2,410	-308	-11.3%
74.1%	2,519	2,358	-161	-6.4%
75.3%	2,320	2,350	30	1.3%
76.5%	2,266	2,350	83	3.7%
77.8%	2,228	2,329	102	4.6%
79.0%	2,189	2,316	127	5.8%
80.2%	2,080	2,310	230	11.1%
81.5%	2,053	2,287	235	11.4%
82.7%	2,002	2,286	283	14.2%
84.0%	1,997	2,201	204	10.2%
85.2%	1,978	2,185	207	10.5%
86.4%	1,837	2,183	346	18.8%
87.7%	1,767	2,179	412	23.3%
88.9%	1,634	2,147	514	31.4%
90.1%	1,627	2,122	495	30.4%
91.4%	1,585	2,061	476	30.0%
92.6%	1,145	1,813	668	58.4%
93.8%	1,099	1,780	681	62.0%
95.1%	1,000	1,643	643	64.3%
96.3%	1,000	1,566	566	56.6%
97.5%	1,000	1,415	415	41.5%
98.8%	1,000	1,131	131	13.1%
100.0%	1,000	1,077	77	7.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	10,000	0	0.0%
6.2%	10,000	10,000	0	0.0%
7.4%	10,000	10,000	0	0.0%
8.6%	10,000	10,000	0	0.0%
9.9%	10,000	10,000	0	0.0%
11.1%	10,000	10,000	0	0.0%
12.3%	10,000	9,989	-11	-0.1%
13.6%	9,986	9,873	-113	-1.1%
14.8%	9,945	9,859	-87	-0.9%
16.0%	9,791	9,768	-22	-0.2%
17.3%	9,727	9,736	10	0.1%
18.5%	9,717	9,699	-19	-0.2%
19.8%	9,580	9,497	-83	-0.9%
21.0%	9,560	9,488	-72	-0.7%
22.2%	9,483	9,382	-101	-1.1%
23.5%	9,467	9,248	-219	-2.3%
24.7%	9,301	9,218	-83	-0.9%
25.9%	9,224	9,139	-85	-0.9%
27.2%	9,217	9,090	-127	-1.4%
28.4%	9,138	9,082	-56	-0.6%
29.6%	9,129	8,978	-151	-1.7%
30.9%	9,118	8,948	-171	-1.9%
32.1%	9,053	8,856	-197	-2.2%
33.3%	9,015	8,823	-192	-2.1%
34.6%	8,964	8,805	-159	-1.8%
35.8%	8,848	8,802	-46	-0.5%
37.0%	8,833	8,724	-109	-1.2%
38.3%	8,823	8,713	-110	-1.2%
39.5%	8,819	8,702	-117	-1.3%
40.7%	8,746	8,701	-45	-0.5%
42.0%	8,714	8,683	-31	-0.4%
43.2%	8,713	8,608	-105	-1.2%
44.4%	8,656	8,487	-169	-1.9%
45.7%	8,647	8,479	-167	-1.9%
46.9%	8,565	8,479	-86	-1.0%
48.1%	8,533	8,476	-57	-0.7%
49.4%	8,495	8,366	-129	-1.5%
50.6%	8,478	8,357	-121	-1.4%
51.9%	8,467	8,276	-191	-2.3%
53.1%	8,457	8,185	-272	-3.2%
54.3%	8,390	8,182	-208	-2.5%
55.6%	8,347	8,141	-206	-2.5%
56.8%	8,322	8,139	-183	-2.2%
58.0%	8,316	8,073	-243	-2.9%
59.3%	8,312	7,963	-349	-4.2%
60.5%	8,292	7,741	-551	-6.6%
61.7%	8,256	7,655	-602	-7.3%
63.0%	8,250	7,445	-805	-9.8%
64.2%	8,208	7,413	-795	-9.7%
65.4%	8,159	7,338	-821	-10.1%
66.7%	7,795	7,311	-484	-6.2%
67.9%	7,728	7,248	-480	-6.2%
69.1%	7,725	7,104	-620	-8.0%
70.4%	7,580	7,095	-485	-6.4%
71.6%	7,579	6,856	-723	-9.5%
72.8%	7,426	6,724	-702	-9.5%
74.1%	7,397	6,687	-710	-9.6%
75.3%	7,303	6,670	-633	-8.7%
76.5%	7,224	6,669	-554	-7.7%
77.8%	7,086	6,609	-477	-6.7%
79.0%	6,570	6,600	30	0.5%
80.2%	6,269	6,340	71	1.1%
81.5%	6,203	6,198	-5	-0.1%
82.7%	5,761	5,340	-421	-7.3%
84.0%	5,599	4,709	-890	-15.9%
85.2%	5,395	4,683	-712	-13.2%
86.4%	3,750	4,537	787	21.0%
87.7%	3,716	4,431	715	19.2%
88.9%	3,459	4,145	686	19.8%
90.1%	2,804	3,910	1,107	39.5%
91.4%	2,796	3,400	604	21.6%
92.6%	2,448	3,381	933	38.1%
93.8%	2,428	3,155	727	29.9%
95.1%	2,379	2,796	418	17.6%
96.3%	2,358	2,627	269	11.4%
97.5%	1,507	2,425	919	61.0%
98.8%	1,484	2,400	916	61.7%
100.0%	1,440	1,482	41	2.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,650	48	0.6%
1.2%	8,563	8,632	69	0.8%
2.5%	8,167	8,216	48	0.6%
3.7%	7,924	8,095	171	2.2%
4.9%	7,866	8,079	214	2.7%
6.2%	7,763	8,067	304	3.9%
7.4%	7,427	8,014	587	7.9%
8.6%	7,398	7,995	598	8.1%
9.9%	7,306	7,962	656	9.0%
11.1%	7,246	7,914	668	9.2%
12.3%	7,196	7,897	701	9.7%
13.6%	7,190	7,891	701	9.7%
14.8%	7,163	7,883	720	10.1%
16.0%	7,076	7,872	797	11.3%
17.3%	7,027	7,827	799	11.4%
18.5%	7,011	7,817	806	11.5%
19.8%	6,997	7,769	772	11.0%
21.0%	6,964	7,702	739	10.6%
22.2%	6,932	7,517	585	8.4%
23.5%	6,880	7,499	618	9.0%
24.7%	6,869	7,372	503	7.3%
25.9%	6,862	7,208	345	5.0%
27.2%	6,830	7,188	358	5.2%
28.4%	6,824	7,065	242	3.5%
29.6%	6,784	7,065	280	4.1%
30.9%	6,601	6,910	309	4.7%
32.1%	6,555	6,869	314	4.8%
33.3%	6,554	6,708	154	2.4%
34.6%	6,546	6,662	116	1.8%
35.8%	6,519	6,577	57	0.9%
37.0%	6,508	6,526	18	0.3%
38.3%	6,505	6,514	9	0.1%
39.5%	6,486	6,456	-31	-0.5%
40.7%	6,446	6,395	-51	-0.8%
42.0%	6,441	6,341	-100	-1.6%
43.2%	6,409	6,234	-175	-2.7%
44.4%	6,386	6,227	-159	-2.5%
45.7%	6,315	6,210	-104	-1.7%
46.9%	6,207	6,054	-153	-2.5%
48.1%	6,086	5,983	-103	-1.7%
49.4%	6,056	5,653	-402	-6.6%
50.6%	6,025	5,245	-780	-12.9%
51.9%	5,878	5,198	-680	-11.6%
53.1%	5,835	5,046	-789	-13.5%
54.3%	5,794	5,028	-766	-13.2%
55.6%	5,706	4,856	-850	-14.9%
56.8%	5,353	4,734	-619	-11.6%
58.0%	5,310	4,654	-657	-12.4%
59.3%	5,267	4,621	-646	-12.3%
60.5%	5,257	4,621	-637	-12.1%
61.7%	5,240	4,543	-697	-13.3%
63.0%	4,701	4,004	-698	-14.8%
64.2%	4,495	3,903	-592	-13.2%
65.4%	4,495	3,897	-598	-13.3%
66.7%	4,020	3,810	-210	-5.2%
67.9%	3,752	3,753	1	0.0%
69.1%	3,438	3,483	44	1.3%
70.4%	3,412	3,468	56	1.6%
71.6%	2,987	3,468	480	16.1%
72.8%	2,716	3,431	715	26.3%
74.1%	2,588	3,312	725	28.0%
75.3%	2,352	3,127	776	33.0%
76.5%	2,309	2,826	517	22.4%
77.8%	2,176	2,778	603	27.7%
79.0%	1,899	2,500	601	31.7%
80.2%	1,800	2,500	700	38.9%
81.5%	1,704	2,500	796	46.7%
82.7%	1,679	2,500	821	48.9%
84.0%	1,480	2,500	1,020	68.9%
85.2%	1,450	2,500	1,050	72.4%
86.4%	1,414	2,500	1,086	76.8%
87.7%	1,411	2,499	1,088	77.1%
88.9%	1,397	2,490	1,093	78.2%
90.1%	1,354	2,456	1,102	81.4%
91.4%	1,352	1,880	528	39.1%
92.6%	1,300	1,476	177	13.6%
93.8%	1,260	1,420	160	12.7%
95.1%	1,165	1,027	-138	-11.8%
96.3%	1,064	1,014	-50	-4.7%
97.5%	1,041	1,000	-41	-3.9%
98.8%	1,000	960	-40	-4.0%
100.0%	1,000	899	-101	-10.1%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	9,998	-2	0.0%
4.9%	10,000	9,976	-24	-0.2%
6.2%	9,966	9,967	1	0.0%
7.4%	9,899	9,949	51	0.5%
8.6%	9,789	9,924	136	1.4%
9.9%	9,761	9,819	58	0.6%
11.1%	9,692	9,750	58	0.6%
12.3%	9,536	9,699	162	1.7%
13.6%	9,521	9,687	166	1.7%
14.8%	9,503	9,509	6	0.1%
16.0%	9,442	9,451	10	0.1%
17.3%	9,340	9,394	54	0.6%
18.5%	9,258	9,274	15	0.2%
19.8%	8,911	8,953	42	0.5%
21.0%	8,118	8,859	741	9.1%
22.2%	8,070	8,566	496	6.1%
23.5%	8,059	8,429	370	4.6%
24.7%	7,741	8,340	599	7.7%
25.9%	7,725	8,175	450	5.8%
27.2%	7,676	8,065	389	5.1%
28.4%	7,364	8,022	659	8.9%
29.6%	7,295	7,969	673	9.2%
30.9%	7,251	7,711	461	6.4%
32.1%	7,215	7,357	142	2.0%
33.3%	7,058	7,144	86	1.2%
34.6%	6,827	7,139	312	4.6%
35.8%	6,756	7,029	273	4.0%
37.0%	6,680	7,003	323	4.8%
38.3%	6,505	6,823	318	4.9%
39.5%	5,082	6,687	1,605	31.6%
40.7%	5,065	6,534	1,469	29.0%
42.0%	4,739	6,224	1,485	31.3%
43.2%	4,732	5,976	1,244	26.3%
44.4%	4,632	4,845	213	4.6%
45.7%	4,626	4,681	55	1.2%
46.9%	3,654	4,489	835	22.8%
48.1%	3,491	4,378	887	25.4%
49.4%	3,367	4,265	898	26.7%
50.6%	3,312	3,952	639	19.3%
51.9%	3,308	3,942	635	19.2%
53.1%	3,261	3,677	416	12.8%
54.3%	3,148	3,535	387	12.3%
55.6%	3,131	3,506	375	12.0%
56.8%	3,115	3,353	238	7.6%
58.0%	3,092	3,348	255	8.3%
59.3%	3,035	3,078	43	1.4%
60.5%	2,906	2,993	87	3.0%
61.7%	2,829	2,975	146	5.2%
63.0%	2,778	2,867	89	3.2%
64.2%	2,621	2,824	204	7.8%
65.4%	2,588	2,797	209	8.1%
66.7%	2,465	2,733	268	10.9%
67.9%	2,445	2,538	92	3.8%
69.1%	2,436	2,498	62	2.5%
70.4%	2,360	2,467	108	4.6%
71.6%	2,288	2,430	142	6.2%
72.8%	2,174	2,324	150	6.9%
74.1%	2,130	2,156	26	1.2%
75.3%	2,007	2,000	-7	-0.3%
76.5%	1,916	2,000	84	4.4%
77.8%	1,904	2,000	96	5.0%
79.0%	1,751	1,913	162	9.3%
80.2%	1,707	1,901	195	11.4%
81.5%	1,488	1,796	307	20.6%
82.7%	1,488	1,790	302	20.3%
84.0%	1,369	1,773	405	29.6%
85.2%	1,305	1,755	450	34.5%
86.4%	1,147	1,658	511	44.6%
87.7%	1,036	1,485	449	43.4%
88.9%	1,034	1,399	364	35.2%
90.1%	1,030	1,321	291	28.2%
91.4%	1,005	1,304	299	29.7%
92.6%	1,000	1,196	196	19.6%
93.8%	1,000	1,153	153	15.3%
95.1%	982	1,000	18	1.8%
96.3%	897	1,000	103	11.5%
97.5%	773	898	124	16.1%
98.8%	773	895	121	15.7%
100.0%	773	800	27	3.4%

Table SW-23-5a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,312	3,145	5,786	11,338	12,918	12,986	8,811	7,670	6,330	8,371	5,972	6,575
Alternative B	3,197	3,078	5,596	11,312	12,965	13,015	8,764	7,602	6,332	8,276	6,169	6,880
Difference	-115	-67	-190	-26	47	29	-47	-68	3	-95	197	305
Percent Difference[3]	-3.5%	-2.1%	-3.3%	-0.2%	0.4%	0.2%	-0.5%	-0.9%	0.0%	-1.1%	3.3%	4.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,258	4,230	8,495	22,904	26,098	23,692	15,954	14,390	10,293	8,421	5,496	10,522
Alternative B	4,063	4,055	7,914	22,912	25,950	23,718	15,955	14,391	10,401	8,464	5,539	10,706
Difference	-195	-176	-581	8	-148	27	1	1	107	43	43	184
Percent Difference	-4.6%	-4.2%	-6.8%	0.0%	-0.6%	0.1%	0.0%	0.0%	1.0%	0.5%	0.8%	1.7%
Above Normal (15%)												
No Action Alternative	4,083	3,265	4,677	11,475	12,863	19,318	9,848	7,957	6,465	9,663	7,416	8,989
Alternative B	4,041	3,290	4,174	11,591	12,918	19,570	9,847	8,109	6,894	9,608	7,260	9,356
Difference	-42	25	-504	116	55	252	-1	152	429	-55	-156	368
Percent Difference	-1.0%	0.8%	-10.8%	1.0%	0.4%	1.3%	0.0%	1.9%	6.6%	-0.6%	-2.1%	4.1%
Below Normal (17%)												
No Action Alternative	3,655	3,434	6,731	5,589	8,055	7,130	5,328	4,652	4,621	9,459	7,353	4,454
Alternative B	3,453	3,438	7,321	5,390	8,699	7,080	5,329	4,637	4,867	9,325	7,153	4,504
Difference	-202	3	590	-199	643	-50	1	-15	246	-133	-200	51
Percent Difference	-5.5%	0.1%	8.8%	-3.6%	8.0%	-0.7%	0.0%	-0.3%	5.3%	-1.4%	-2.7%	1.1%
Dry (22%)												
No Action Alternative	2,397	2,479	4,613	4,297	4,234	4,767	4,199	3,661	4,145	8,230	6,728	3,833
Alternative B	2,263	2,438	4,391	4,239	4,170	4,600	4,119	3,337	3,752	8,050	7,362	4,343
Difference	-134	-40	-222	-58	-64	-167	-79	-324	-394	-180	633	509
Percent Difference	-5.6%	-1.6%	-4.8%	-1.3%	-1.5%	-3.5%	-1.9%	-8.8%	-9.5%	-2.2%	9.4%	13.3%
Critical (15%)												
No Action Alternative	1,465	1,338	1,680	3,412	3,116	2,620	3,280	2,357	2,876	5,917	2,816	2,197
Alternative B	1,578	1,289	1,793	3,418	3,051	2,817	3,076	2,241	2,536	5,653	3,509	2,690
Difference	113	-49	113	5	-65	197	-204	-116	-340	-264	693	493
Percent Difference	7.7%	-3.6%	6.7%	0.2%	-2.1%	7.5%	-6.2%	-4.9%	-11.8%	-4.5%	24.6%	22.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-23-5b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

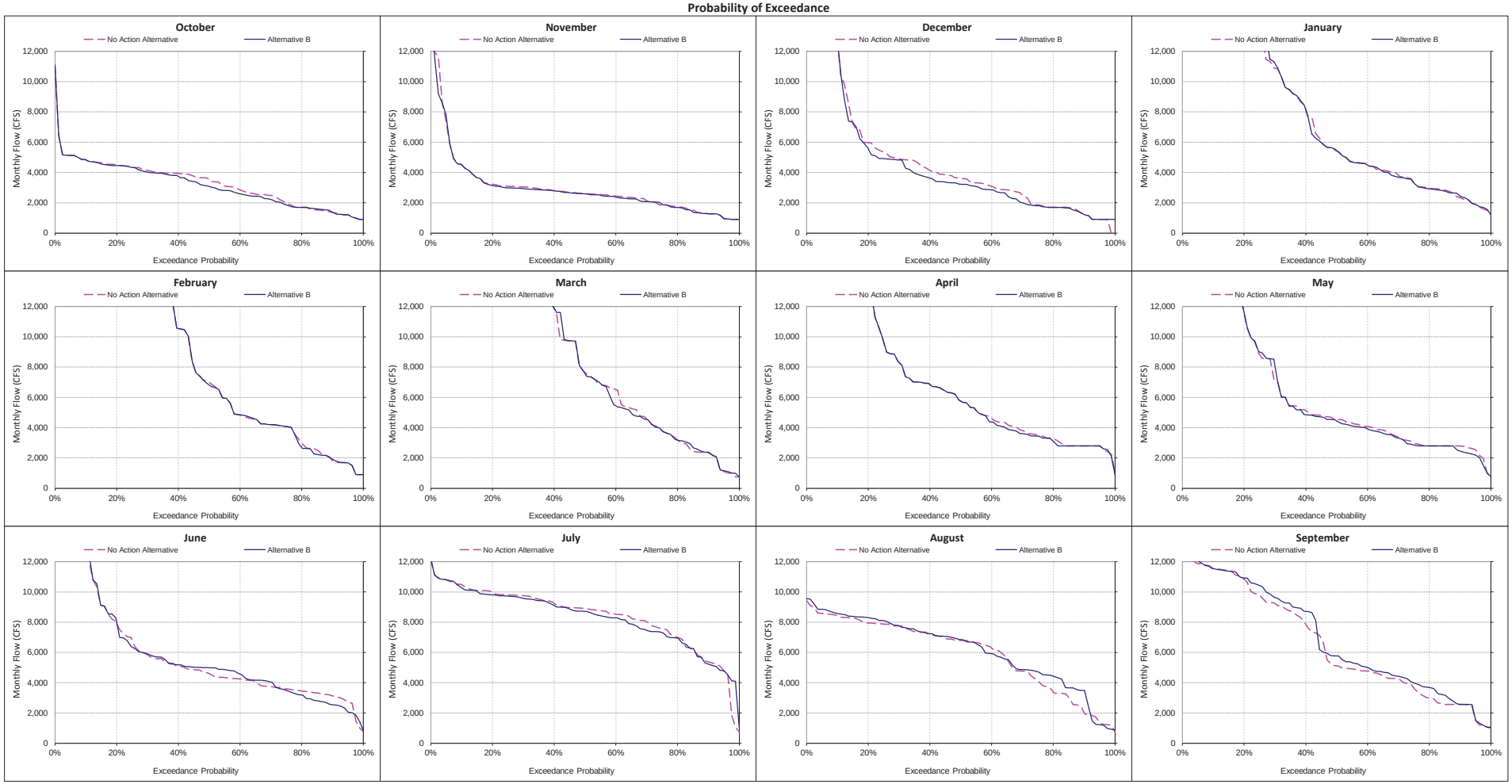

Table SW-23-5b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,104	11,104	0	0.0%
1.2%	6,414	6,427	13	0.2%
2.5%	5,151	5,159	8	0.2%
3.7%	5,138	5,148	10	0.2%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,128	1	0.0%
7.4%	5,001	5,002	0	0.0%
8.6%	4,864	4,866	2	0.0%
9.9%	4,833	4,856	23	0.5%
11.1%	4,727	4,728	1	0.0%
12.3%	4,712	4,716	4	0.1%
13.6%	4,662	4,678	16	0.3%
14.8%	4,651	4,572	-79	-1.7%
16.0%	4,574	4,522	-52	-1.1%
17.3%	4,543	4,498	-44	-1.0%
18.5%	4,533	4,458	-75	-1.7%
19.8%	4,520	4,458	-63	-1.4%
21.0%	4,457	4,455	-2	0.0%
22.2%	4,432	4,436	4	0.1%
23.5%	4,412	4,418	6	0.1%
24.7%	4,333	4,335	3	0.1%
25.9%	4,319	4,320	1	0.0%
27.2%	4,317	4,166	-150	-3.5%
28.4%	4,196	4,105	-91	-2.2%
29.6%	4,159	4,040	-120	-2.9%
30.9%	4,102	3,988	-114	-2.8%
32.1%	4,040	3,987	-54	-1.3%
33.3%	4,001	3,957	-44	-1.1%
34.6%	3,988	3,950	-37	-0.9%
35.8%	3,961	3,888	-73	-1.9%
37.0%	3,960	3,833	-126	-3.2%
38.3%	3,958	3,810	-147	-3.7%
39.5%	3,948	3,803	-144	-3.6%
40.7%	3,921	3,660	-260	-6.6%
42.0%	3,907	3,653	-254	-6.5%
43.2%	3,884	3,462	-422	-10.9%
44.4%	3,802	3,415	-387	-10.2%
45.7%	3,699	3,389	-309	-8.4%
46.9%	3,649	3,222	-427	-11.7%
48.1%	3,644	3,154	-491	-13.5%
49.4%	3,629	3,121	-507	-14.0%
50.6%	3,403	3,038	-366	-10.7%
51.9%	3,386	2,990	-396	-11.7%
53.1%	3,374	2,860	-514	-15.2%
54.3%	3,151	2,819	-332	-10.5%
55.6%	3,085	2,812	-273	-8.8%
56.8%	3,057	2,807	-251	-8.2%
58.0%	3,031	2,705	-326	-10.7%
59.3%	2,918	2,629	-289	-9.9%
60.5%	2,811	2,560	-252	-9.0%
61.7%	2,705	2,502	-203	-7.5%
63.0%	2,652	2,477	-176	-6.6%
64.2%	2,618	2,424	-194	-7.4%
65.4%	2,550	2,422	-128	-5.0%
66.7%	2,548	2,414	-134	-5.2%
67.9%	2,542	2,280	-262	-10.3%
69.1%	2,498	2,259	-238	-9.5%
70.4%	2,479	2,203	-276	-11.1%
71.6%	2,387	2,060	-327	-13.7%
72.8%	2,204	2,045	-159	-7.2%
74.1%	2,075	1,919	-156	-7.5%
75.3%	1,927	1,839	-88	-4.6%
76.5%	1,837	1,743	-94	-5.1%
77.8%	1,707	1,708	2	0.1%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,585	1,647	62	3.9%
84.0%	1,539	1,620	81	5.2%
85.2%	1,531	1,580	49	3.2%
86.4%	1,507	1,554	47	3.1%
87.7%	1,448	1,536	87	6.0%
88.9%	1,400	1,508	108	7.7%
90.1%	1,350	1,352	2	0.1%
91.4%	1,303	1,236	-66	-5.1%
92.6%	1,235	1,232	-3	-0.3%
93.8%	1,200	1,200	0	0.0%
95.1%	1,200	1,200	0	0.0%
96.3%	1,060	1,059	0	0.0%
97.5%	984	984	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,067	23,067	0	0.0%
1.2%	11,939	11,670	-270	-2.3%
2.5%	11,671	9,194	-2,476	-21.2%
3.7%	8,621	8,619	-2	0.0%
4.9%	7,420	7,844	423	5.7%
6.2%	5,902	5,906	4	0.1%
7.4%	4,924	4,925	0	0.0%
8.6%	4,577	4,573	-4	-0.1%
9.9%	4,540	4,539	-1	0.0%
11.1%	4,279	4,283	4	0.1%
12.3%	4,146	4,146	0	0.0%
13.6%	3,891	3,892	1	0.0%
14.8%	3,662	3,663	1	0.0%
16.0%	3,607	3,609	1	0.0%
17.3%	3,315	3,316	0	0.0%
18.5%	3,286	3,212	-74	-2.2%
19.8%	3,239	3,149	-90	-2.8%
21.0%	3,207	3,106	-100	-3.1%
22.2%	3,123	3,089	-34	-1.1%
23.5%	3,093	3,021	-72	-2.3%
24.7%	3,091	2,987	-104	-3.3%
25.9%	3,088	2,974	-114	-3.7%
27.2%	3,076	2,961	-115	-3.7%
28.4%	3,056	2,960	-97	-3.2%
29.6%	3,048	2,941	-108	-3.5%
30.9%	3,047	2,912	-135	-4.4%
32.1%	3,020	2,897	-123	-4.1%
33.3%	2,973	2,879	-94	-3.2%
34.6%	2,956	2,873	-83	-2.8%
35.8%	2,895	2,861	-34	-1.2%
37.0%	2,879	2,837	-42	-1.4%
38.3%	2,859	2,821	-38	-1.3%
39.5%	2,800	2,816	16	0.6%
40.7%	2,788	2,756	-32	-1.1%
42.0%	2,751	2,755	5	0.2%
43.2%	2,748	2,683	-64	-2.3%
44.4%	2,693	2,680	-13	-0.5%
45.7%	2,683	2,640	-44	-1.6%
46.9%	2,665	2,622	-43	-1.6%
48.1%	2,633	2,608	-26	-1.0%
49.4%	2,610	2,590	-20	-0.8%
50.6%	2,589	2,584	-5	-0.2%
51.9%	2,583	2,536	-47	-1.8%
53.1%	2,566	2,532	-35	-1.3%
54.3%	2,559	2,525	-34	-1.3%
55.6%	2,533	2,465	-68	-2.7%
56.8%	2,526	2,431	-95	-3.8%
58.0%	2,458	2,426	-32	-1.3%
59.3%	2,454	2,414	-41	-1.7%
60.5%	2,421	2,347	-75	-3.1%
61.7%	2,410	2,317	-93	-3.9%
63.0%	2,379	2,290	-89	-3.8%
64.2%	2,366	2,260	-106	-4.5%
65.4%	2,342	2,257	-85	-3.6%
66.7%	2,314	2,247	-67	-2.9%
67.9%	2,290	2,104	-185	-8.1%
69.1%	2,257	2,075	-182	-8.1%
70.4%	2,077	2,073	-4	-0.2%
71.6%	2,070	2,069	0	0.0%
72.8%	2,022	2,047	25	1.2%
74.1%	1,863	2,028	165	8.9%
75.3%	1,858	1,859	2	0.1%
76.5%	1,850	1,857	7	0.4%
77.8%	1,787	1,731	-57	-3.2%
79.0%	1,776	1,700	-76	-4.3%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,658	-42	-2.5%
82.7%	1,647	1,545	-102	-6.2%
84.0%	1,548	1,543	-4	-0.3%
85.2%	1,499	1,359	-140	-9.3%
86.4%	1,357	1,346	-11	-0.8%
87.7%	1,344	1,317	-28	-2.1%
88.9%	1,312	1,282	-30	-2.3%
90.1%	1,280	1,280	1	0.1%
91.4%	1,271	1,274	3	0.2%
92.6%	1,270	1,270	1	0.1%
93.8%	1,177	1,175	-2	-0.1%
95.1%	954	944	-11	-1.1%
96.3%	937	936	-1	-0.1%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,403	48,404	1	0.0%
1.2%	32,897	34,460	1,562	4.7%
2.5%	32,019	29,799	-2,220	-6.9%
3.7%	21,161	21,632	472	2.2%
4.9%	20,375	21,177	802	3.9%
6.2%	18,708	19,083	375	2.0%
7.4%	17,732	18,594	863	4.9%
8.6%	13,076	15,099	2,022	15.5%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,411	0	0.0%
12.3%	9,782	8,679	-1,103	-11.3%
13.6%	8,600	7,393	-1,207	-14.0%
14.8%	7,335	7,335	0	0.0%
16.0%	6,829	7,000	171	2.5%
17.3%	6,808	6,220	-588	-8.6%
18.5%	5,995	5,949	-46	-0.8%
19.8%	5,972	5,648	-324	-5.4%
21.0%	5,948	5,163	-786	-13.2%
22.2%	5,635	5,115	-520	-9.2%
23.5%	5,476	4,932	-544	-9.9%
24.7%	5,382	4,924	-458	-8.5%
25.9%	5,262	4,891	-371	-7.0%
27.2%	5,031	4,878	-153	-3.0%
28.4%	4,994	4,865	-129	-2.6%
29.6%	4,919	4,828	-92	-1.9%
30.9%	4,864	4,818	-47	-1.0%
32.1%	4,843	4,264	-579	-12.0%
33.3%	4,825	4,209	-615	-12.8%
34.6%	4,815	3,998	-818	-17.0%
35.8%	4,692	3,891	-801	-17.1%
37.0%	4,480	3,809	-670	-15.0%
38.3%	4,360	3,732	-628	-14.4%
39.5%	4,207	3,661	-546	-13.0%
40.7%	4,046	3,590	-455	-11.3%
42.0%	4,038	3,406	-632	-15.6%
43.2%	3,892	3,404	-488	-12.5%
44.4%	3,864	3,386	-478	-12.4%
45.7%	3,810	3,326	-483	-12.7%
46.9%	3,797	3,326	-472	-12.4%
48.1%	3,660	3,319	-340	-9.3%
49.4%	3,647	3,229	-418	-11.5%
50.6%	3,608	3,221	-387	-10.7%
51.9%	3,589	3,214	-376	-10.5%
53.1%	3,382	3,136	-246	-7.3%
54.3%	3,324	3,097	-227	-6.8%
55.6%	3,321	3,050	-272	-8.2%
56.8%	3,289	2,912	-378	-11.5%
58.0%	3,230	2,884	-345	-10.7%
59.3%	3,136	2,865	-271	-8.6%
60.5%	3,045	2,855	-190	-6.2%
61.7%	2,897	2,722	-176	-6.1%
63.0%	2,881	2,665	-216	-7.5%
64.2%	2,863	2,663	-200	-7.0%
65.4%	2,852	2,396	-456	-16.0%
66.7%	2,788	2,274	-514	-18.5%
67.9%	2,723	2,256	-467	-17.2%
69.1%	2,663	2,045	-617	-23.2%
70.4%	2,387	1,980	-407	-17.1%
71.6%	2,313	1,873	-439	-19.0%
72.8%	1,867	1,847	-20	-1.1%
74.1%	1,855	1,811	-44	-2.4%
75.3%	1,853	1,802	-51	-2.8%
76.5%	1,796	1,739	-57	-3.2%
77.8%	1,716	1,706	-11	-0.6%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,700	1,700	0	0.0%
84.0%	1,700	1,654	-46	-2.7%
85.2%	1,673	1,649	-24	-1.4%
86.4%	1,648	1,528	-119	-7.2%
87.7%	1,526	1,464	-62	-4.1%
88.9%	1,337	1,341	5	0.3%
90.1%	1,200	1,200	0	0.0%
91.4%	1,159	1,157	-1	-0.1%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	0	900	900	
100.0%	0	900	900	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,431	98,423	-8	0.0%
1.2%	67,172	67,192	20	0.0%
2.5%	38,850	38,846	-4	0.0%
3.7%	37,900	37,905	5	0.0%
4.9%	35,751	37,067	1,315	3.7%
6.2%	33,046	34,101	1,055	3.2%
7.4%	32,056	31,540	-516	-1.6%
8.6%	31,531	30,566	-965	-3.1%
9.9%	21,994	21,987	-7	0.0%
11.1%	21,686	21,826	139	0.6%
12.3%	21,603	21,687	83	0.4%
13.6%	21,001	21,014	14	0.1%
14.8%	20,687	20,689	2	0.0%
16.0%	19,246	18,805	-441	-2.3%
17.3%	18,798	17,949	-849	-4.5%
18.5%	17,938	17,626	-312	-1.7%
19.8%	17,623	17,286	-337	-1.9%
21.0%	17,285	16,365	-919	-5.3%
22.2%	16,366	16,251	-115	-0.7%
23.5%	16,247	16,013	-233	-1.4%
24.7%	13,212	13,214	1	0.0%
25.9%	13,021	13,023	1	0.0%
27.2%	11,473	12,891	1,418	12.4%
28.4%	11,324	11,474	150	1.3%
29.6%	10,906	11,330	423	3.9%
30.9%	10,846	10,908	62	0.6%
32.1%	10,308	10,311	3	0.0%
33.3%	9,624	9,625	1	0.0%
34.6%	9,478	9,483	5	0.1%
35.8%	9,211	9,210	-1	0.0%
37.0%	9,083	9,086	3	0.0%
38.3%	8,655	8,756	101	1.2%
39.5%	8,442	8,443	1	0.0%
40.7%	7,707	7,637	-70	-0.9%
42.0%	7,635	6,541	-1,094	-14.3%
43.2%	6,568	6,260	-308	-4.7%
44.4%	6,258	6,076	-182	-2.9%
45.7%	5,836	5,840	4	0.1%
46.9%	5,654	5,663	9	0.2%
48.1%	5,632	5,645	13	0.2%
49.4%	5,484	5,556	72	1.3%
50.6%	5,354	5,353	-1	0.0%
51.9%	5,110	5,112	2	0.0%
53.1%	4,984	4,984	0	0.0%
54.3%	4,738	4,719	-19	-0.4%
55.6%	4,717	4,661	-56	-1.2%
56.8%	4,652	4,629	-23	-0.5%
58.0%	4,623	4,610	-14	-0.3%
59.3%	4,582	4,588	7	0.1%
60.5%	4,430	4,431	1	0.0%
61.7%	4,408	4,410	2	0.0%
63.0%	4,200	4,340	140	3.3%
64.2%	4,172	4,175	3	0.1%
65.4%	4,126	4,019	-108	-2.6%
66.7%	4,082	4,011	-70	-1.7%
67.9%	4,016	3,803	-213	-5.3%
69.1%	4,008	3,740	-268	-6.7%
70.4%	3,737	3,664	-73	-2.0%
71.6%	3,701	3,650	-51	-1.4%
72.8%	3,661	3,591	-70	-1.9%
74.1%	3,582	3,552	-29	-0.8%
75.3%	3,228	3,229	0	0.0%
76.5%	3,055	3,054	-2	-0.1%
77.8%	3,051	2,998	-53	-1.7%
79.0%	2,997	2,950	-48	-1.6%
80.2%	2,950	2,922	-28	-1.0%
81.5%	2,935	2,882	-53	-1.8%
82.7%	2,920	2,843	-77	-2.6%
84.0%	2,907	2,810	-97	-3.3%
85.2%	2,839	2,760	-79	-2.8%
86.4%	2,760	2,664	-96	-3.5%
87.7%	2,647	2,641	-7	-0.3%
88.9%	2,409	2,633	224	9.3%
90.1%	2,333	2,412	80	3.4%
91.4%	2,211	2,345	134	6.0%
92.6%	2,187	2,220	33	1.5%
93.8%	1,967	1,969	2	0.1%
95.1%	1,880	1,890	10	0.6%
96.3%	1,700	1,748	48	2.8%
97.5%	1,587	1,700	113	7.1%
98.8%	1,515	1,563	48	3.2%
100.0%	1,200	1,200	0	0.0%

Table SW-23-5b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	74,760	114	0.2%
1.2%	47,661	47,713	52	0.1%
2.5%	36,819	36,801	-18	0.0%
3.7%	36,336	36,336	0	0.0%
4.9%	35,637	35,637	-1	0.0%
6.2%	35,414	35,415	0	0.0%
7.4%	35,063	35,060	-3	0.0%
8.6%	33,624	33,621	-2	0.0%
9.9%	31,040	31,051	11	0.0%
11.1%	30,146	30,453	307	1.0%
12.3%	30,130	30,147	17	0.1%
13.6%	28,315	28,304	-12	0.0%
14.8%	25,886	25,888	2	0.0%
16.0%	25,806	25,767	-39	-0.2%
17.3%	25,229	25,222	-7	0.0%
18.5%	24,130	24,006	-125	-0.5%
19.8%	24,018	23,999	-20	-0.1%
21.0%	22,239	21,069	-1,170	-5.3%
22.2%	20,605	20,696	92	0.4%
23.5%	20,369	20,606	236	1.2%
24.7%	20,210	19,907	-303	-1.5%
25.9%	18,698	18,708	10	0.1%
27.2%	17,037	18,049	1,011	5.9%
28.4%	16,420	16,828	408	2.5%
29.6%	16,098	16,546	447	2.8%
30.9%	15,798	16,418	621	3.9%
32.1%	15,769	16,236	467	3.0%
33.3%	15,708	16,099	391	2.5%
34.6%	15,340	15,815	475	3.1%
35.8%	13,600	15,771	2,171	16.0%
37.0%	12,704	12,702	-2	0.0%
38.3%	12,138	12,139	1	0.0%
39.5%	10,574	10,576	3	0.0%
40.7%	10,526	10,527	1	0.0%
42.0%	10,472	10,473	0	0.0%
43.2%	10,036	10,041	5	0.1%
44.4%	8,401	8,401	0	0.0%
45.7%	7,628	7,628	0	0.0%
46.9%	7,409	7,410	1	0.0%
48.1%	7,128	7,121	-7	-0.1%
49.4%	7,119	6,900	-219	-3.1%
50.6%	6,899	6,719	-180	-2.6%
51.9%	6,716	6,658	-58	-0.9%
53.1%	6,521	6,522	2	0.0%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,930	3	0.0%
56.8%	5,620	5,620	0	0.0%
58.0%	4,906	4,908	2	0.0%
59.3%	4,865	4,860	-6	-0.1%
60.5%	4,789	4,840	52	1.1%
61.7%	4,708	4,793	84	1.8%
63.0%	4,623	4,708	85	1.8%
64.2%	4,576	4,627	51	1.1%
65.4%	4,526	4,529	3	0.1%
66.7%	4,258	4,260	2	0.0%
67.9%	4,246	4,249	4	0.1%
69.1%	4,212	4,213	1	0.0%
70.4%	4,185	4,208	23	0.6%
71.6%	4,174	4,187	13	0.3%
72.8%	4,134	4,138	4	0.1%
74.1%	4,098	4,101	3	0.1%
75.3%	4,077	4,079	2	0.0%
76.5%	4,015	4,015	0	0.0%
77.8%	3,533	3,535	2	0.1%
79.0%	3,255	2,925	-331	-10.2%
80.2%	2,921	2,636	-285	-9.8%
81.5%	2,664	2,625	-39	-1.5%
82.7%	2,617	2,614	-3	-0.1%
84.0%	2,607	2,268	-340	-13.0%
85.2%	2,498	2,232	-266	-10.6%
86.4%	2,274	2,178	-96	-4.2%
87.7%	2,177	2,170	-7	-0.3%
88.9%	2,067	2,065	-2	-0.1%
90.1%	1,774	1,886	112	6.3%
91.4%	1,700	1,780	80	4.7%
92.6%	1,700	1,701	1	0.0%
93.8%	1,700	1,700	0	0.0%
95.1%	1,623	1,674	51	3.1%
96.3%	1,510	1,515	5	0.4%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,624	0	0.0%
1.2%	58,327	58,328	0	0.0%
2.5%	47,905	49,660	1,755	3.7%
3.7%	43,551	42,596	-955	-2.2%
4.9%	36,124	36,131	7	0.0%
6.2%	34,670	34,670	1	0.0%
7.4%	34,052	34,049	-3	0.0%
8.6%	30,904	30,920	17	0.1%
9.9%	29,602	29,379	-223	-0.8%
11.1%	29,379	29,274	-105	-0.4%
12.3%	29,112	29,112	1	0.0%
13.6%	27,685	27,684	-1	0.0%
14.8%	26,133	26,118	-15	-0.1%
16.0%	23,868	23,868	0	0.0%
17.3%	22,317	22,318	2	0.0%
18.5%	21,899	21,902	3	0.0%
19.8%	19,914	19,913	-1	0.0%
21.0%	19,913	19,671	-243	-1.2%
22.2%	19,061	19,063	2	0.0%
23.5%	18,950	18,946	-4	0.0%
24.7%	18,575	18,576	0	0.0%
25.9%	17,103	17,776	673	3.9%
27.2%	16,988	17,103	115	0.7%
28.4%	16,206	16,989	784	4.8%
29.6%	15,564	16,207	643	4.1%
30.9%	14,770	16,140	1,369	9.3%
32.1%	14,586	14,766	180	1.2%
33.3%	14,523	14,587	64	0.4%
34.6%	14,058	13,934	-123	-0.9%
35.8%	13,952	13,354	-598	-4.3%
37.0%	12,919	12,921	2	0.0%
38.3%	12,187	12,187	0	0.0%
39.5%	12,053	12,054	1	0.0%
40.7%	11,601	11,613	12	0.1%
42.0%	9,827	11,602	1,775	18.1%
43.2%	9,764	9,828	65	0.7%
44.4%	9,754	9,756	2	0.0%
45.7%	9,723	9,728	5	0.1%
46.9%	9,723	9,718	-5	0.0%
48.1%	8,104	8,102	-1	0.0%
49.4%	7,766	7,763	-4	0.0%
50.6%	7,532	7,380	-152	-2.0%
51.9%	7,377	7,351	-26	-0.4%
53.1%	7,190	7,194	4	0.1%
54.3%	6,907	7,051	144	2.1%
55.6%	6,816	6,795	-21	-0.3%
56.8%	6,790	6,726	-64	-0.9%
58.0%	6,608	6,104	-504	-7.6%
59.3%	6,570	5,527	-1,043	-15.9%
60.5%	6,486	5,379	-1,107	-17.1%
61.7%	5,526	5,334	-192	-3.5%
63.0%	5,376	5,239	-137	-2.6%
64.2%	5,330	5,177	-154	-2.9%
65.4%	5,236	4,860	-376	-7.2%
66.7%	5,183	4,759	-424	-8.2%
67.9%	4,757	4,739	-18	-0.4%
69.1%	4,737	4,576	-161	-3.4%
70.4%	4,530	4,532	2	0.0%
71.6%	4,208	4,216	8	0.2%
72.8%	4,114	4,030	-84	-2.0%
74.1%	3,981	3,981	0	0.0%
75.3%	3,731	3,739	8	0.2%
76.5%	3,634	3,634	0	0.0%
77.8%	3,552	3,556	4	0.1%
79.0%	3,371	3,245	-125	-3.7%
80.2%	3,149	3,153	4	0.1%
81.5%	2,970	3,128	158	5.3%
82.7%	2,951	3,055	104	3.5%
84.0%	2,590	2,958	367	14.2%
85.2%	2,435	2,663	228	9.4%
86.4%	2,397	2,575	178	7.4%
87.7%	2,375	2,450	75	3.1%
88.9%	2,372	2,381	10	0.4%
90.1%	2,342	2,372	30	1.3%
91.4%	2,187	2,163	-24	-1.1%
92.6%	2,066	2,075	9	0.4%
93.8%	1,151	1,213	62	5.4%
95.1%	1,105	1,156	51	4.6%
96.3%	1,000	1,102	102	10.2%
97.5%	1,000	1,000	0	0.0%
98.8%	750	989	239	31.8%
100.0%	750	750	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,219	1	0.0%
1.2%	30,325	30,328	3	0.0%
2.5%	28,609	28,608	-1	0.0%
3.7%	27,668	27,670	1	0.0%
4.9%	27,286	27,291	4	0.0%
6.2%	27,135	27,137	2	0.0%
7.4%	25,742	25,745	3	0.0%
8.6%	25,476	25,474	-3	0.0%
9.9%	21,671	21,668	-3	0.0%
11.1%	18,842	18,843	1	0.0%
12.3%	17,899	17,899	0	0.0%
13.6%	14,918	14,918	1	0.0%
14.8%	14,839	14,839	0	0.0%
16.0%	14,496	14,501	5	0.0%
17.3%	13,919	13,910	-9	-0.1%
18.5%	13,789	13,782	-7	-0.1%
19.8%	13,312	13,311	-1	0.0%
21.0%	12,756	12,762	6	0.0%
22.2%	11,275	11,275	0	0.0%
23.5%	10,608	10,608	0	0.0%
24.7%	9,858	9,860	2	0.0%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,874	3	0.0%
28.4%	8,864	8,863	-1	0.0%
29.6%	8,375	8,376	1	0.0%
30.9%	8,121	8,121	0	0.0%
32.1%	7,350	7,351	1	0.0%
33.3%	7,271	7,272	1	0.0%
34.6%	7,021	7,017	-4	-0.1%
35.8%	7,014	7,015	2	0.0%
37.0%	6,996	6,997	1	0.0%
38.3%	6,938	6,936	-1	0.0%
39.5%	6,925	6,928	3	0.0%
40.7%	6,726	6,726	0	0.0%
42.0%	6,702	6,704	2	0.0%
43.2%	6,638	6,638	0	0.0%
44.4%	6,477	6,479	2	0.0%
45.7%	6,330	6,335	6	0.1%
46.9%	6,299	6,299	0	0.0%
48.1%	6,210	6,210	0	0.0%
49.4%	5,826	5,828	3	0.0%
50.6%	5,681	5,683	2	0.0%
51.9%	5,637	5,642	5	0.1%
53.1%	5,341	5,342	1	0.0%
54.3%	5,313	5,313	0	0.0%
55.6%	4,983	4,996	13	0.3%
56.8%	4,874	4,875	2	0.0%
58.0%	4,791	4,792	1	0.0%
59.3%	4,778	4,383	-395	-8.3%
60.5%	4,521	4,366	-155	-3.4%
61.7%	4,382	4,153	-229	-5.2%
63.0%	4,356	4,101	-256	-5.9%
64.2%	4,353	4,046	-307	-7.0%
65.4%	4,153	3,869	-284	-6.8%
66.7%	4,097	3,840	-257	-6.3%
67.9%	4,041	3,779	-262	-6.5%
69.1%	3,871	3,622	-249	-6.4%
70.4%	3,778	3,610	-168	-4.5%
71.6%	3,621	3,548	-73	-2.0%
72.8%	3,608	3,458	-150	-4.2%
74.1%	3,557	3,452	-105	-3.0%
75.3%	3,460	3,429	-31	-0.9%
76.5%	3,451	3,313	-138	-4.0%
77.8%	3,320	3,313	-7	-0.2%
79.0%	3,313	3,276	-37	-1.1%
80.2%	3,272	3,051	-222	-6.8%
81.5%	3,108	2,800	-308	-9.9%
82.7%	2,944	2,800	-144	-4.9%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2,800	0	0.0%
95.1%	2,800	2,800	0	0.0%
96.3%	2,571	2,594	23	0.9%
97.5%	2,416	2,571	155	6.4%
98.8%	2,251	2,152	-99	-4.4%
100.0%	1,082	884	-199	-18.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,947	34,946	-2	0.0%
1.2%	32,854	32,858	3	0.0%
2.5%	30,533	30,534	1	0.0%
3.7%	25,952	25,956	4	0.0%
4.9%	23,972	23,973	0	0.0%
6.2%	21,987	21,988	1	0.0%
7.4%	19,444	19,444	-1	0.0%
8.6%	19,204	19,200	-3	0.0%
9.9%	17,934	17,935	1	0.0%
11.1%	17,385	17,386	1	0.0%
12.3%	16,041	16,040	-2	0.0%
13.6%	15,943	15,942	-1	0.0%
14.8%	14,149	14,144	-6	0.0%
16.0%	13,540	13,542	2	0.0%
17.3%	13,417	13,418	1	0.0%
18.5%	12,795	12,796	1	0.0%
19.8%	11,847	11,851	4	0.0%
21.0%	10,618	10,625	7	0.1%
22.2%	9,927	9,928	1	0.0%
23.5%	9,712	9,712	0	0.0%
24.7%	8,938	9,024	86	1.0%
25.9%	8,580	8,938	358	4.2%
27.2%	8,569	8,580	11	0.1%
28.4%	8,525	8,567	41	0.5%
29.6%	7,206	8,523	1,317	18.3%
30.9%	7,045	7,045	-1	0.0%
32.1%	6,012	6,012	0	0.0%
33.3%	6,010	6,010	0	0.0%
34.6%	5,465	5,437	-29	-0.5%
35.8%	5,436	5,419	-16	-0.3%
37.0%	5,418	5,185	-233	-4.3%
38.3%	5,189	5,185	-4	-0.1%
39.5%	5,185	4,865	-320	-6.2%
40.7%	5,023	4,847	-176	-3.5%
42.0%	4,863	4,819	-44	-0.9%
43.2%	4,844	4,749	-95	-2.0%
44.4%	4,818	4,731	-87	-1.8%
45.7%	4,748	4,690	-58	-1.2%
46.9%	4,730	4,536	-195	-4.1%
48.1%	4,689	4,534	-155	-3.3%
49.4%	4,534	4,523	-11	-0.2%
50.6%	4,532	4,370	-162	-3.6%
51.9%	4,521	4,261	-260	-5.8%
53.1%	4,394	4,215	-180	-4.1%
54.3%	4,370	4,156	-214	-4.9%
55.6%	4,261	4,092	-169	-4.0%
56.8%	4,213	4,070	-143	-3.4%
58.0%	4,151	4,024	-126	-3.0%
59.3%	4,092	4,003	-89	-2.2%
60.5%	4,067	3,871	-195	-4.8%
61.7%	3,999	3,809	-190	-4.7%
63.0%	3,876	3,750	-126	-3.3%
64.2%	3,869	3,698	-170	-4.4%
65.4%	3,811	3,598	-214	-5.6%
66.7%	3,697	3,549	-148	-4.0%
67.9%	3,549	3,516	-33	-0.9%
69.1%	3,454	3,347	-107	-3.1%
70.4%	3,345	3,295	-50	-1.5%
71.6%	3,203	3,207	4	0.1%
72.8%	3,165	2,938	-227	-7.2%
74.1%	3,109	2,911	-198	-6.4%
75.3%	2,949	2,825	-125	-4.2%
76.5%	2,911	2,800	-111	-3.8%
77.8%	2,824	2,800	-24	-0.9%
79.0%	2,800	2,800	0	0.0%
80.2%	2,800	2,800	0	0.0%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,548	-252	-9.0%
90.1%	2,800	2,435	-365	-13.0%
91.4%	2,770	2,383	-387	-14.0%
92.6%	2,681	2,334	-347	-12.9%
93.8%	2,634	2,246	-388	-14.7%
95.1%	2,546	2,182	-364	-14.3%
96.3%	2,182	2,027	-155	-7.1%
97.5%	1,968	1,486	-481	-24.5%
98.8%	1,000	1,000	0	0.0%
100.0%	750	750	0	0.0%

Table SW-23-5b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,601	0	0.0%
1.2%	22,426	22,427	1	0.0%
2.5%	19,254	19,258	4	0.0%
3.7%	18,975	18,976	2	0.0%
4.9%	18,580	18,578	-3	0.0%
6.2%	18,128	18,125	-3	0.0%
7.4%	17,594	17,597	4	0.0%
8.6%	12,458	12,480	22	0.2%
9.9%	12,431	12,450	19	0.2%
11.1%	11,983	12,427	443	3.7%
12.3%	10,791	10,788	-3	0.0%
13.6%	10,322	10,544	222	2.2%
14.8%	9,132	9,133	1	0.0%
16.0%	9,051	9,052	1	0.0%
17.3%	8,538	8,556	18	0.2%
18.5%	8,197	8,534	337	4.1%
19.8%	8,073	8,280	206	2.6%
21.0%	7,491	6,995	-496	-6.6%
22.2%	7,260	6,965	-295	-4.1%
23.5%	7,034	6,776	-258	-3.7%
24.7%	6,986	6,396	-590	-8.4%
25.9%	6,397	6,258	-138	-2.2%
27.2%	6,105	6,065	-40	-0.7%
28.4%	5,991	6,014	22	0.4%
29.6%	5,905	5,944	40	0.7%
30.9%	5,715	5,831	115	2.0%
32.1%	5,617	5,746	129	2.3%
33.3%	5,581	5,705	124	2.2%
34.6%	5,578	5,692	114	2.0%
35.8%	5,363	5,512	149	2.8%
37.0%	5,291	5,244	-46	-0.9%
38.3%	5,276	5,227	-49	-0.9%
39.5%	5,075	5,189	114	2.3%
40.7%	5,075	5,181	106	2.1%
42.0%	5,005	5,085	80	1.6%
43.2%	4,890	5,075	184	3.8%
44.4%	4,880	5,026	146	3.0%
45.7%	4,853	5,019	166	3.4%
46.9%	4,852	5,010	158	3.3%
48.1%	4,682	5,000	318	6.8%
49.4%	4,654	4,992	338	7.3%
50.6%	4,551	4,988	436	9.6%
51.9%	4,391	4,987	595	13.6%
53.1%	4,363	4,883	520	11.9%
54.3%	4,356	4,882	526	12.1%
55.6%	4,334	4,851	517	11.9%
56.8%	4,279	4,803	524	12.2%
58.0%	4,273	4,780	507	11.9%
59.3%	4,258	4,627	369	8.7%
60.5%	4,248	4,535	287	6.7%
61.7%	4,172	4,292	120	2.9%
63.0%	4,163	4,199	36	0.9%
64.2%	4,161	4,171	10	0.2%
65.4%	3,987	4,162	175	4.4%
66.7%	3,801	4,154	353	9.3%
67.9%	3,773	4,141	367	9.7%
69.1%	3,738	4,078	340	9.1%
70.4%	3,734	4,020	285	7.6%
71.6%	3,696	3,697	1	0.0%
72.8%	3,688	3,606	-82	-2.2%
74.1%	3,587	3,554	-33	-0.9%
75.3%	3,585	3,455	-130	-3.6%
76.5%	3,563	3,389	-173	-4.9%
77.8%	3,497	3,275	-222	-6.3%
79.0%	3,491	3,210	-280	-8.0%
80.2%	3,441	3,189	-252	-7.3%
81.5%	3,413	2,960	-453	-13.3%
82.7%	3,382	2,943	-438	-13.0%
84.0%	3,342	2,843	-499	-14.9%
85.2%	3,324	2,800	-524	-15.8%
86.4%	3,263	2,749	-514	-15.8%
87.7%	3,231	2,708	-523	-16.2%
88.9%	3,209	2,591	-618	-19.2%
90.1%	3,122	2,542	-580	-18.6%
91.4%	3,059	2,514	-544	-17.8%
92.6%	3,007	2,451	-556	-18.5%
93.8%	2,861	2,336	-525	-18.3%
95.1%	2,697	2,046	-651	-24.1%
96.3%	2,650	2,010	-640	-24.1%
97.5%	1,495	1,858	362	24.2%
98.8%	1,000	1,421	421	42.1%
100.0%	750	800	50	6.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	12,212	14	0.1%
1.2%	11,117	11,140	23	0.2%
2.5%	10,932	10,895	-37	-0.3%
3.7%	10,891	10,831	-60	-0.6%
4.9%	10,791	10,821	30	0.3%
6.2%	10,697	10,744	47	0.4%
7.4%	10,656	10,696	40	0.4%
8.6%	10,515	10,472	-43	-0.4%
9.9%	10,498	10,299	-199	-1.9%
11.1%	10,348	10,140	-208	-2.0%
12.3%	10,226	10,111	-114	-1.1%
13.6%	10,124	10,111	-13	-0.1%
14.8%	10,113	10,079	-34	-0.3%
16.0%	10,090	9,873	-217	-2.2%
17.3%	10,088	9,858	-230	-2.3%
18.5%	10,071	9,837	-234	-2.3%
19.8%	10,039	9,811	-227	-2.3%
21.0%	9,862	9,791	-71	-0.7%
22.2%	9,824	9,751	-74	-0.7%
23.5%	9,820	9,750	-70	-0.7%
24.7%	9,808	9,724	-84	-0.9%
25.9%	9,800	9,712	-88	-0.9%
27.2%	9,792	9,698	-94	-1.0%
28.4%	9,778	9,668	-110	-1.1%
29.6%	9,752	9,596	-156	-1.6%
30.9%	9,748	9,549	-199	-2.0%
32.1%	9,704	9,530	-174	-1.8%
33.3%	9,642	9,502	-140	-1.5%
34.6%	9,542	9,424	-118	-1.2%
35.8%	9,487	9,421	-67	-0.7%
37.0%	9,416	9,389	-26	-0.3%
38.3%	9,400	9,282	-118	-1.3%
39.5%	9,341	9,155	-186	-2.0%
40.7%	9,146	9,014	-132	-1.4%
42.0%	9,064	8,996	-68	-0.7%
43.2%	9,007	8,984	-24	-0.3%
44.4%	8,977	8,925	-52	-0.6%
45.7%	8,967	8,801	-166	-1.9%
46.9%	8,959	8,748	-211	-2.4%
48.1%	8,933	8,742	-191	-2.1%
49.4%	8,928	8,722	-206	-2.3%
50.6%	8,895	8,714	-181	-2.0%
51.9%	8,844	8,616	-229	-2.6%
53.1%	8,815	8,516	-299	-3.4%
54.3%	8,755	8,455	-300	-3.4%
55.6%	8,746	8,405	-342	-3.9%
56.8%	8,713	8,350	-363	-4.2%
58.0%	8,559	8,304	-255	-3.0%
59.3%	8,548	8,288	-259	-3.0%
60.5%	8,525	8,283	-241	-2.8%
61.7%	8,504	8,167	-336	-4.0%
63.0%	8,466	8,155	-311	-3.7%
64.2%	8,394	7,906	-488	-5.8%
65.4%	8,209	7,875	-334	-4.1%
66.7%	8,179	7,743	-437	-5.3%
67.9%	8,115	7,574	-541	-6.7%
69.1%	8,112	7,528	-584	-7.2%
70.4%	7,976	7,439	-537	-6.7%
71.6%	7,769	7,379	-390	-5.0%
72.8%	7,693	7,376	-317	-4.1%
74.1%	7,613	7,358	-255	-3.3%
75.3%	7,582	7,292	-290	-3.8%
76.5%	7,490	7,043	-448	-6.0%
77.8%	7,171	6,982	-188	-2.6%
79.0%	7,083	6,982	-102	-1.4%
80.2%	6,982	6,929	-52	-0.7%
81.5%	6,874	6,628	-246	-3.6%
82.7%	6,341	6,545	204	3.2%
84.0%	6,319	6,271	-48	-0.8%
85.2%	6,176	6,255	80	1.3%
86.4%	5,857	5,717	-140	-2.4%
87.7%	5,690	5,690	0	0.0%
88.9%	5,454	5,314	-141	-2.6%
90.1%	5,373	5,221	-153	-2.8%
91.4%	5,306	5,131	-175	-3.3%
92.6%	5,247	5,060	-187	-3.6%
93.8%	5,083	4,815	-267	-5.3%
95.1%	4,749	4,800	51	1.1%
96.3%	4,499	4,522	23	0.5%
97.5%	1,866	4,121	2,255	120.8%
98.8%	1,049	4,092	3,043	290.1%
100.0%	750	1,009	259	34.5%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,559	125	1.3%
1.2%	9,102	9,521	419	4.6%
2.5%	8,950	9,217	267	3.0%
3.7%	8,607	8,865	258	3.0%
4.9%	8,582	8,849	267	3.1%
6.2%	8,566	8,830	265	3.1%
7.4%	8,532	8,717	185	2.2%
8.6%	8,502	8,651	149	1.8%
9.9%	8,449	8,574	125	1.5%
11.1%	8,327	8,543	217	2.6%
12.3%	8,313	8,506	193	2.3%
13.6%	8,296	8,411	115	1.4%
14.8%	8,256	8,382	125	1.5%
16.0%	8,253	8,350	97	1.2%
17.3%	8,129	8,346	217	2.7%
18.5%	7,984	8,339	356	4.5%
19.8%	7,955	8,296	341	4.3%
21.0%	7,940	8,254	314	4.0%
22.2%	7,918	8,232	315	4.0%
23.5%	7,909	8,119	210	2.7%
24.7%	7,886	8,115	229	2.9%
25.9%	7,865	8,054	189	2.4%
27.2%	7,859	7,917	58	0.7%
28.4%	7,771	7,798	27	0.3%
29.6%	7,760	7,777	17	0.2%
30.9%	7,744	7,664	-80	-1.0%
32.1%	7,577	7,638	60	0.8%
33.3%	7,528	7,559	32	0.4%
34.6%	7,395	7,559	164	2.2%
35.8%	7,358	7,432	74	1.0%
37.0%	7,337	7,354	17	0.2%
38.3%	7,308	7,344	36	0.5%
39.5%	7,231	7,254	23	0.3%
40.7%	7,150	7,232	83	1.2%
42.0%	7,104	7,097	-7	-0.1%
43.2%	7,080	7,076	-5	-0.1%
44.4%	6,989	7,064	75	1.1%
45.7%	6,897	7,058	161	2.3%
46.9%	6,890	7,019	130	1.9%
48.1%	6,804	6,927	124	1.8%
49.4%	6,798	6,870	72	1.1%
50.6%	6,796	6,846	50	0.7%
51.9%	6,795	6,711	-85	-1.2%
53.1%	6,735	6,692	-44	-0.6%
54.3%	6,663	6,684	21	0.3%
55.6%	6,661	6,513	-148	-2.2%
56.8%	6,541	6,364	-177	-2.7%
58.0%	6,468	5,951	-517	-8.0%
59.3%	6,400	5,942	-459	-7.2%
60.5%	6,197	5,912	-286	-4.6%
61.7%	6,172	5,752	-420	-6.8%
63.0%	6,000	5,692	-308	-5.1%
64.2%	5,783	5,569	-213	-3.7%
65.4%	5,404	5,526	121	2.2%
66.7%	4,998	5,178	180	3.6%
67.9%	4,794	4,933	139	2.9%
69.1%	4,773	4,864	91	1.9%
70.4%	4,759	4,864	104	2.2%
71.6%	4,729	4,841	113	2.4%
72.8%	4,446	4,837	391	8.8%
74.1%	4,257	4,764	507	11.9%
75.3%	4,064	4,697	633	15.6%
76.5%	3,810	4,530	720	18.9%
77.8%	3,739	4,509	769	20.6%
79.0%	3,632	4,496	863	23.8%
80.2%	3,300	4,406	1,106	33.5%
81.5%	3,300	4,336	1,036	31.4%
82.7%	3,300	4,236	936	28.4%
84.0%	3,269	3,679	410	12.5%
85.2%	2,959	3,664	705	23.8%
86.4%	2,553	3,653	1,100	43.1%
87.7%	2,536	3,540	1,005	39.6%
88.9%	2,459	3,493	1,034	42.0%
90.1%	1,943	3,487	1,544	79.4%
91.4%	1,885	2,458	574	30.4%
92.6%	1,842	1,482	-360	-19.5%
93.8%	1,711	1,237	-474	-27.7%
95.1%	1,317	1,225	-93	-7.0%
96.3%	1,241	1,196	-46	-3.7%
97.5%	1,228	973	-255	-20.7%
98.8%	1,190	925	-265	-22.3%
100.0%	750	872	122	16.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,642	12,763	122	1.0%
1.2%	12,413	12,426	12	0.1%
2.5%	12,149	12,393	243	2.0%
3.7%	12,020	12,073	53	0.4%
4.9%	11,877	12,058	180	1.5%
6.2%	11,870	11,902	32	0.3%
7.4%	11,813	11,749	-64	-0.5%
8.6%	11,685	11,717	32	0.3%
9.9%	11,526	11,562	36	0.3%
11.1%	11,507	11,488	-19	-0.2%
12.3%	11,501	11,465	-36	-0.3%
13.6%	11,405	11,454	49	0.4%
14.8%	11,390	11,373	-17	-0.1%
16.0%	11,337	11,369	33	0.3%
17.3%	11,110	11,324	214	1.9%
18.5%	11,048	10,999	-49	-0.4%
19.8%	10,904	10,915	11	0.1%
21.0%	10,673	10,915	242	2.3%
22.2%	10,038	10,594	557	5.5%
23.5%	9,886	10,554	668	6.8%
24.7%	9,864	10,443	579	5.9%
25.9%	9,611	10,343	732	7.6%
27.2%	9,321	10,001	680	7.3%
28.4%	9,283	9,864	581	6.3%
29.6%	9,283	9,665	382	4.1%
30.9%	9,090	9,581	490	5.4%
32.1%	9,090	9,391	301	3.3%
33.3%	8,888	9,278	390	4.4%
34.6%	8,765	9,277	512	5.8%
35.8%	8,666	9,007	341	3.9%
37.0%	8,460	8,958	498	5.9%
38.3%	8,322	8,917	595	7.1%
39.5%	7,992	8,728	736	9.2%
40.7%	7,605	8,701	1,095	14.4%
42.0%	7,367	8,632	1,266	17.2%
43.2%	7,298	8,123	826	11.3%
44.4%	7,122	6,196	-926	-13.0%
45.7%	6,626	6,025	-601	-9.1%
46.9%	5,496	5,947	451	8.2%
48.1%	5,244	5,782	538	10.3%
49.4%	5,135	5,776	641	12.5%
50.6%	5,093	5,772	678	13.3%
51.9%	4,966	5,516	550	11.1%
53.1%	4,942	5,394	452	9.1%
54.3%	4,928	5,381	453	9.2%
55.6%	4,903	5,285	382	7.8%
56.8%	4,885	5,245	360	7.4%
58.0%	4,779	5,098	319	6.7%
59.3%	4,777	5,051	274	5.7%
60.5%	4,757	4,963	206	4.3%
61.7%	4,681	4,823	143	3.1%
63.0%	4,623	4,751	128	2.8%
64.2%	4,537	4,747	210	4.6%
65.4%	4,407	4,685	277	6.3%
66.7%	4,290	4,660	370	8.6%
67.9%	4,289	4,516	227	5.3%
69.1%	4,270	4,449	179	4.2%
70.4%	4,223	4,417	194	4.6%
71.6%	4,013	4,346	333	8.3%
72.8%	3,962	4,257	295	7.5%
74.1%	3,922	4,062	140	3.6%
75.3%	3,569	3,955	386	10.8%
76.5%	3,329	3,875	546	16.4%
77.8%	3,169	3,743	574	18.1%
79.0%	3,036	3,701	665	21.9%
80.2%	2,960	3,680	720	24.3%
81.5%	2,940	3,616	676	23.0%
82.7%	2,657	3,298	641	24.1%
84.0%	2,627	3,226	599	22.8%
85.2%	2,569	3,173	604	23.5%
86.4%	2,566	2,953	387	15.1%
87.7%	2,565	2,787	223	8.7%
88.9%	2,564	2,627	63	2.4%
90.1%	2,562	2,567	6	0.2%
91.4%	2,557	2,567	10	0.4%
92.6%	2,525	2,564	39	1.5%
93.8%	2,473	2,559	86	3.5%
95.1%	1,493	1,493	0	0.0%
96.3%	1,199	1,322	123	10.3%
97.5%	1,183	1,183	0	0.0%
98.8%	1,060	1,060	0	0.0%
100.0%	992	1,060	68	6.9%

Table SW-24-5a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative B	492	449	457	472	494	599	721	840	813	687	597	518
Difference	16	14	10	6	7	4	2	0	4	20	15	22
Percent Difference[3]	3.3%	3.3%	2.2%	1.3%	1.4%	0.7%	0.3%	0.0%	0.5%	3.0%	2.7%	4.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative B	598	511	509	520	505	634	792	964	961	874	762	620
Difference	7	6	4	0	0	0	0	0	0	7	0	20
Percent Difference	1.2%	1.1%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	3.3%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative B	544	491	503	517	534	649	796	966	938	753	667	574
Difference	17	17	11	1	1	0	0	0	-1	8	5	15
Percent Difference	3.1%	3.6%	2.1%	0.3%	0.2%	0.0%	0.0%	0.0%	-0.1%	1.1%	0.8%	2.7%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative B	566	513	506	497	543	640	787	924	902	723	633	575
Difference	8	5	2	-3	5	5	0	-4	-5	38	24	11
Percent Difference	1.4%	0.9%	0.5%	-0.6%	1.0%	0.8%	-0.1%	-0.5%	-0.6%	5.5%	3.9%	1.9%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative B	427	428	431	452	515	612	718	789	725	577	492	460
Difference	36	33	21	22	20	11	14	11	17	37	40	39
Percent Difference	9.3%	8.2%	5.2%	5.2%	4.0%	1.8%	2.0%	1.5%	2.4%	6.8%	8.9%	9.4%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative B	225	228	283	325	343	404	419	426	398	336	286	260
Difference	11	13	14	9	9	8	-5	-12	7	15	12	22
Percent Difference	5.0%	6.2%	5.3%	3.0%	2.8%	1.9%	-1.3%	-2.7%	1.9%	4.7%	4.4%	9.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-24-5b
Folsom Lake, End of Month Storage
Probability of Exceedance

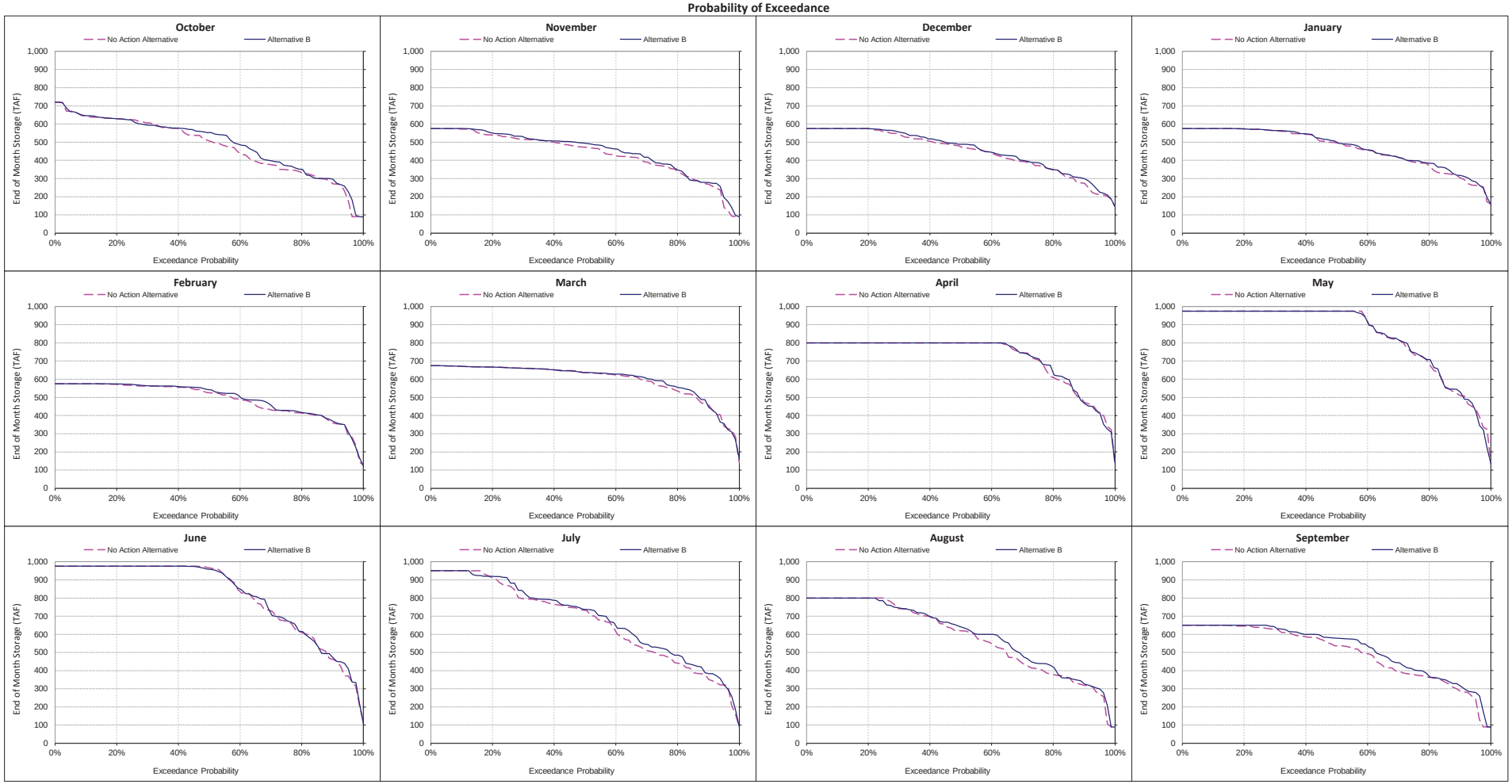

Table SW-24-5b
Folsom Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	720	720	0	0.0%
1.2%	720	720	0	0.0%
2.5%	718	718	0	0.0%
3.7%	671	688	17	2.5%
4.9%	670	668	-2	-0.2%
6.2%	668	667	-2	-0.3%
7.4%	659	659	0	0.0%
8.6%	646	651	5	0.8%
9.9%	645	647	2	0.3%
11.1%	639	645	6	0.9%
12.3%	638	644	6	0.9%
13.6%	638	640	1	0.2%
14.8%	638	636	-2	-0.3%
16.0%	634	634	0	0.0%
17.3%	633	632	-1	-0.1%
18.5%	631	631	0	0.0%
19.8%	630	630	0	0.1%
21.0%	628	628	0	0.0%
22.2%	626	626	0	0.0%
23.5%	624	625	1	0.1%
24.7%	624	623	-1	-0.1%
25.9%	623	608	-15	-2.3%
27.2%	615	602	-13	-2.1%
28.4%	613	600	-13	-2.2%
29.6%	605	595	-10	-1.6%
30.9%	605	593	-12	-2.0%
32.1%	599	593	-6	-1.1%
33.3%	592	588	-5	-0.8%
34.6%	581	585	4	0.7%
35.8%	581	584	3	0.6%
37.0%	579	579	0	0.0%
38.3%	577	578	2	0.3%
39.5%	576	578	2	0.4%
40.7%	574	576	2	0.3%
42.0%	551	575	24	4.4%
43.2%	540	571	31	5.7%
44.4%	539	569	30	5.5%
45.7%	538	561	23	4.3%
46.9%	537	560	23	4.4%
48.1%	518	557	40	7.7%
49.4%	510	552	42	8.2%
50.6%	504	552	49	9.7%
51.9%	496	544	49	9.9%
53.1%	494	542	48	9.7%
54.3%	485	541	56	11.6%
55.6%	477	538	61	12.7%
56.8%	473	512	39	8.2%
58.0%	471	496	25	5.3%
59.3%	446	490	44	9.8%
60.5%	433	484	51	11.8%
61.7%	430	482	52	12.0%
63.0%	411	465	54	13.3%
64.2%	400	455	55	13.7%
65.4%	393	443	51	12.9%
66.7%	384	413	29	7.5%
67.9%	382	404	22	5.7%
69.1%	378	400	22	5.9%
70.4%	376	396	20	5.4%
71.6%	372	393	21	5.5%
72.8%	350	391	41	11.6%
74.1%	350	375	25	7.0%
75.3%	348	370	22	6.4%
76.5%	347	369	22	6.2%
77.8%	345	359	14	4.1%
79.0%	339	352	13	3.9%
80.2%	331	350	19	5.6%
81.5%	328	320	-8	-2.5%
82.7%	323	316	-7	-2.2%
84.0%	315	304	-11	-3.6%
85.2%	303	300	-3	-1.1%
86.4%	298	300	2	0.5%
87.7%	297	300	3	0.9%
88.9%	288	300	12	4.2%
90.1%	270	296	26	9.7%
91.4%	269	273	4	1.6%
92.6%	267	266	0	-0.1%
93.8%	232	259	27	11.5%
95.1%	177	227	50	28.4%
96.3%	90	183	93	103.3%
97.5%	90	98	8	8.5%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	572	575	3	0.5%
11.1%	572	575	3	0.5%
12.3%	571	575	4	0.7%
13.6%	570	572	2	0.4%
14.8%	556	569	14	2.5%
16.0%	547	569	22	4.0%
17.3%	543	566	22	4.1%
18.5%	541	556	16	2.9%
19.8%	540	551	10	1.9%
21.0%	539	547	8	1.5%
22.2%	537	547	10	1.8%
23.5%	531	546	15	2.8%
24.7%	530	545	15	2.8%
25.9%	528	541	13	2.5%
27.2%	522	533	11	2.1%
28.4%	517	533	15	2.9%
29.6%	517	532	16	3.0%
30.9%	516	523	7	1.4%
32.1%	513	518	4	0.9%
33.3%	513	517	3	0.7%
34.6%	512	514	2	0.4%
35.8%	511	509	-1	-0.3%
37.0%	508	508	0	-0.1%
38.3%	502	508	6	1.1%
39.5%	501	507	5	1.1%
40.7%	497	506	10	1.9%
42.0%	495	505	10	2.1%
43.2%	487	504	17	3.5%
44.4%	486	503	18	3.6%
45.7%	481	503	22	4.5%
46.9%	478	501	23	4.7%
48.1%	474	497	23	4.8%
49.4%	473	495	23	4.8%
50.6%	472	493	21	4.4%
51.9%	468	490	22	4.7%
53.1%	466	486	20	4.4%
54.3%	465	484	19	4.1%
55.6%	448	481	33	7.4%
56.8%	436	470	34	7.8%
58.0%	433	468	35	8.1%
59.3%	433	464	31	7.2%
60.5%	424	462	39	9.1%
61.7%	422	448	26	6.1%
63.0%	421	441	20	4.8%
64.2%	419	441	21	5.1%
65.4%	417	437	20	4.8%
66.7%	416	437	21	5.0%
67.9%	407	435	28	6.9%
69.1%	393	418	25	6.3%
70.4%	390	417	27	6.9%
71.6%	377	402	25	6.5%
72.8%	373	386	13	3.5%
74.1%	372	385	13	3.6%
75.3%	369	380	11	2.9%
76.5%	366	379	14	3.8%
77.8%	354	377	23	6.4%
79.0%	351	357	6	1.7%
80.2%	336	347	11	3.4%
81.5%	326	339	13	4.1%
82.7%	312	317	5	1.7%
84.0%	311	292	-19	-6.2%
85.2%	294	289	-5	-1.8%
86.4%	290	288	-2	-0.5%
87.7%	278	280	2	0.6%
88.9%	272	279	8	2.8%
90.1%	268	278	11	4.0%
91.4%	256	274	18	6.9%
92.6%	247	274	27	10.9%
93.8%	237	257	20	8.6%
95.1%	141	195	54	38.4%
96.3%	124	174	51	41.0%
97.5%	94	141	47	50.6%
98.8%	90	98	8	8.5%
100.0%	90	90	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	575	575	0	0.0%
19.8%	575	575	0	0.0%
21.0%	572	573	1	0.2%
22.2%	567	572	5	0.8%
23.5%	567	570	3	0.6%
24.7%	560	568	8	1.4%
25.9%	558	565	7	1.2%
27.2%	551	565	14	2.6%
28.4%	549	563	14	2.5%
29.6%	548	557	10	1.8%
30.9%	536	553	17	3.1%
32.1%	528	549	21	4.0%
33.3%	527	537	10	2.0%
34.6%	520	537	17	3.3%
35.8%	518	536	18	3.5%
37.0%	518	529	11	2.1%
38.3%	515	528	13	2.5%
39.5%	507	519	12	2.4%
40.7%	502	518	16	3.2%
42.0%	495	513	18	3.6%
43.2%	493	509	16	3.3%
44.4%	493	502	9	1.8%
45.7%	490	496	6	1.3%
46.9%	485	494	9	1.8%
48.1%	483	493	11	2.2%
49.4%	481	489	8	1.7%
50.6%	470	489	18	3.9%
51.9%	469	488	19	4.0%
53.1%	464	486	22	4.8%
54.3%	462	484	21	4.6%
55.6%	457	466	9	1.9%
56.8%	455	455	0	0.0%
58.0%	448	448	1	0.1%
59.3%	446	446	0	0.1%
60.5%	436	442	7	1.5%
61.7%	427	436	9	2.2%
63.0%	421	431	9	2.2%
64.2%	414	428	14	3.5%
65.4%	409	425	16	3.8%
66.7%	404	425	21	5.1%
67.9%	396	422	26	6.6%
69.1%	395	402	7	1.7%
70.4%	394	399	5	1.3%
71.6%	389	395	6	1.5%
72.8%	388	390	2	0.5%
74.1%	372	388	16	4.4%
75.3%	371	387	16	4.3%
76.5%	367	378	11	3.0%
77.8%	358	358	0	0.0%
79.0%	352	354	1	0.4%
80.2%	345	349	4	1.1%
81.5%	343	346	3	0.8%
82.7%	329	328	-1	-0.3%
84.0%	308	326	18	5.8%
85.2%	305	322	17	5.6%
86.4%	302	310	8	2.5%
87.7%	277	308	30	11.0%
88.9%	277	305	28	10.3%
90.1%	273	299	26	9.7%
91.4%	250	287	38	15.1%
92.6%	224	270	46	20.7%
93.8%	215	247	33	15.2%
95.1%	213	224	12	5.5%
96.3%	210	219	9	4.4%
97.5%	203	209	6	2.9%
98.8%	186	187	0	0.2%
100.0%	146	146	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	574	575	1	0.2%
19.8%	574	574	0	0.0%
21.0%	572	572	0	0.0%
22.2%	571	571	0	0.0%
23.5%	571	571	0	0.0%
24.7%	571	571	0	0.0%
25.9%	570	570	0	0.0%
27.2%	568	568	0	0.0%
28.4%	566	566	0	0.0%
29.6%	564	564	0	0.1%
30.9%	562	564	2	0.4%
32.1%	560	564	4	0.7%
33.3%	560	562	2	0.4%
34.6%	554	560	6	1.1%
35.8%	547	560	13	2.3%
37.0%	547	554	7	1.3%
38.3%	545	547	2	0.4%
39.5%	544	547	3	0.6%
40.7%	543	544	1	0.2%
42.0%	540	543	3	0.6%
43.2%	527	525	-1	-0.3%
44.4%	507	522	16	3.1%
45.7%	505	517	12	2.3%
46.9%	502	516	14	2.8%
48.1%	500	510	10	1.9%
49.4%	498	507	9	1.7%
50.6%	494	495	1	0.1%
51.9%	492	492	0	0.0%
53.1%	479	490	11	2.3%
54.3%	479	489	10	2.0%
55.6%	478	486	8	1.7%
56.8%	465	480	15	3.2%
58.0%	460	467	7	1.5%
59.3%	456	460	4	0.9%
60.5%	454	458	4	0.8%
61.7%	452	453	1	0.3%
63.0%	437	440	3	0.6%
64.2%	431	438	7	1.5%
65.4%	430	431	1	0.2%
66.7%	428	430	2	0.5%
67.9%	426	424	-2	-0.5%
69.1%	422	422	0	0.0%
70.4%	415	415	0	-0.1%
71.6%	412	410	-2	-0.5%
72.8%	400	399	-1	-0.2%
74.1%	394	399	5	1.2%
75.3%	390	397	7	1.9%
76.5%	387	397	10	2.7%
77.8%	385	389	5	1.2%
79.0%	384	387	3	0.8%
80.2%	366	384	18	5.0%
81.5%	345	383	38	11.1%
82.7%	333	363	30	9.0%
84.0%	330	363	33	10.1%
85.2%	328	359	31	9.5%
86.4%	325	346	21	6.4%
87.7%	323	328	5	1.5%
88.9%	317	318	1	0.4%
90.1%	303	317	14	4.8%
91.4%	294	312	18	6.1%
92.6%	272	303	31	11.4%
93.8%	263	287	24	9.0%
95.1%	263	282	19	7.3%
96.3%	261	262	1	0.3%
97.5%	254	248	-6	-2.4%
98.8%	172	194	21	12.3%
100.0%	159	157	-2	-1.5%

Table SW-24-5b
Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	574	575	1	0.2%
16.0%	574	575	1	0.2%
17.3%	574	575	1	0.2%
18.5%	572	575	3	0.5%
19.8%	572	574	2	0.3%
21.0%	570	574	4	0.7%
22.2%	568	574	6	1.0%
23.5%	566	572	6	1.1%
24.7%	566	572	6	1.1%
25.9%	566	570	4	0.7%
27.2%	563	568	5	0.9%
28.4%	563	566	3	0.5%
29.6%	563	566	3	0.5%
30.9%	563	563	0	0.0%
32.1%	562	563	1	0.2%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	562	3	0.5%
37.0%	559	562	3	0.5%
38.3%	559	562	3	0.5%
39.5%	556	560	4	0.7%
40.7%	556	559	3	0.5%
42.0%	555	559	4	0.7%
43.2%	554	556	2	0.4%
44.4%	548	556	8	1.5%
45.7%	544	555	11	2.1%
46.9%	543	554	11	2.0%
48.1%	533	548	15	2.9%
49.4%	526	543	17	3.2%
50.6%	525	542	18	3.3%
51.9%	524	530	6	1.2%
53.1%	522	526	4	0.8%
54.3%	514	524	10	2.0%
55.6%	513	522	9	1.8%
56.8%	504	522	18	3.6%
58.0%	493	522	29	5.9%
59.3%	491	514	23	4.7%
60.5%	484	495	11	2.2%
61.7%	484	488	4	0.9%
63.0%	478	486	8	1.8%
64.2%	471	486	16	3.3%
65.4%	451	484	33	7.4%
66.7%	443	484	41	9.3%
67.9%	437	478	41	9.4%
69.1%	435	468	33	7.6%
70.4%	430	451	21	5.0%
71.6%	429	432	3	0.7%
72.8%	429	429	0	0.0%
74.1%	427	429	2	0.5%
75.3%	427	429	2	0.4%
76.5%	417	427	10	2.3%
77.8%	416	425	9	2.2%
79.0%	416	420	4	1.0%
80.2%	413	416	3	0.8%
81.5%	412	414	2	0.4%
82.7%	408	412	4	1.0%
84.0%	404	408	4	1.0%
85.2%	400	404	4	1.0%
86.4%	400	400	1	0.1%
87.7%	386	387	1	0.1%
88.9%	370	380	11	2.9%
90.1%	359	368	9	2.6%
91.4%	355	359	4	1.2%
92.6%	353	353	0	0.0%
93.8%	350	350	0	0.0%
95.1%	289	310	21	7.4%
96.3%	281	271	-10	-3.4%
97.5%	236	223	-14	-5.7%
98.8%	144	165	21	14.5%
100.0%	127	123	-4	-2.8%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	675	675	0	0.0%
1.2%	675	675	0	0.0%
2.5%	675	675	0	0.0%
3.7%	675	675	0	0.0%
4.9%	673	673	0	0.0%
6.2%	673	673	0	0.0%
7.4%	673	673	0	0.0%
8.6%	672	672	0	0.0%
9.9%	672	672	0	0.0%
11.1%	670	670	0	0.0%
12.3%	669	669	0	0.0%
13.6%	669	669	0	0.0%
14.8%	668	668	0	0.0%
16.0%	668	668	0	0.0%
17.3%	667	667	0	0.0%
18.5%	667	667	0	0.0%
19.8%	667	667	0	0.0%
21.0%	667	667	0	0.0%
22.2%	667	666	-1	-0.1%
23.5%	666	664	-2	-0.3%
24.7%	664	664	0	0.0%
25.9%	664	662	-2	-0.3%
27.2%	662	662	0	0.0%
28.4%	662	661	-1	-0.2%
29.6%	661	661	0	0.0%
30.9%	660	660	0	0.0%
32.1%	660	659	-1	-0.2%
33.3%	659	658	-1	-0.2%
34.6%	658	657	-1	-0.2%
35.8%	657	656	-1	-0.2%
37.0%	656	656	0	0.0%
38.3%	656	653	-3	-0.5%
39.5%	653	652	-1	-0.1%
40.7%	650	650	0	0.0%
42.0%	650	647	-3	-0.4%
43.2%	647	647	0	0.0%
44.4%	647	646	-1	-0.2%
45.7%	647	645	-2	-0.3%
46.9%	646	644	-2	-0.3%
48.1%	645	639	-6	-0.9%
49.4%	637	637	0	0.0%
50.6%	636	637	1	0.1%
51.9%	634	636	2	0.4%
53.1%	634	635	1	0.1%
54.3%	633	634	1	0.2%
55.6%	629	634	5	0.8%
56.8%	628	632	4	0.7%
58.0%	628	629	1	0.2%
59.3%	625	628	3	0.5%
60.5%	622	628	6	1.0%
61.7%	621	628	7	1.1%
63.0%	617	625	8	1.3%
64.2%	615	622	7	1.1%
65.4%	615	621	6	1.0%
66.7%	612	615	3	0.5%
67.9%	600	615	15	2.5%
69.1%	592	611	19	3.2%
70.4%	590	602	12	2.0%
71.6%	588	600	12	2.0%
72.8%	566	592	26	4.6%
74.1%	564	592	28	5.0%
75.3%	561	590	29	5.2%
76.5%	554	569	16	2.8%
77.8%	551	564	13	2.3%
79.0%	542	561	19	3.6%
80.2%	533	554	22	4.0%
81.5%	520	551	31	5.9%
82.7%	520	546	26	5.1%
84.0%	519	541	22	4.2%
85.2%	512	530	18	3.5%
86.4%	492	509	17	3.4%
87.7%	470	489	19	4.0%
88.9%	464	487	23	5.0%
90.1%	456	445	-11	-2.4%
91.4%	428	431	3	0.6%
92.6%	406	412	6	1.5%
93.8%	405	365	-41	-10.0%
95.1%	341	356	15	4.5%
96.3%	328	323	-5	-1.5%
97.5%	322	310	-11	-3.5%
98.8%	282	269	-14	-4.8%
100.0%	141	162	21	14.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	792	798	7	0.9%
65.4%	785	785	0	0.0%
66.7%	766	779	14	1.8%
67.9%	757	765	8	1.1%
69.1%	747	746	0	-0.1%
70.4%	745	744	-1	-0.1%
71.6%	744	739	-6	-0.8%
72.8%	718	726	8	1.1%
74.1%	712	717	5	0.8%
75.3%	705	713	7	1.1%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	677	61	9.9%
80.2%	607	623	16	2.7%
81.5%	597	618	21	3.4%
82.7%	596	615	19	3.2%
84.0%	578	605	27	4.7%
85.2%	572	597	25	4.3%
86.4%	536	542	6	1.2%
87.7%	506	528	22	4.4%
88.9%	497	485	-12	-2.4%
90.1%	472	466	-6	-1.3%
91.4%	464	453	-11	-2.4%
92.6%	460	451	-9	-2.1%
93.8%	434	426	-7	-1.7%
95.1%	403	416	13	3.3%
96.3%	400	352	-48	-12.1%
97.5%	339	326	-13	-4.0%
98.8%	322	309	-13	-4.1%
100.0%	128	140	12	9.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	975	0	0.0%
46.9%	975	975	0	0.0%
48.1%	975	975	0	0.0%
49.4%	975	975	0	0.0%
50.6%	975	975	0	0.0%
51.9%	975	975	0	0.0%
53.1%	975	975	0	0.0%
54.3%	975	975	0	0.0%
55.6%	975	975	0	0.0%
56.8%	975	966	-9	-0.9%
58.0%	975	960	-15	-1.5%
59.3%	943	943	0	0.0%
60.5%	898	898	0	0.0%
61.7%	893	893	-1	-0.1%
63.0%	857	858	1	0.2%
64.2%	854	856	1	0.2%
65.4%	837	850	14	1.6%
66.7%	830	831	2	0.2%
67.9%	821	826	5	0.6%
69.1%	820	826	6	0.7%
70.4%	813	814	1	0.2%
71.6%	800	805	6	0.7%
72.8%	770	798	27	3.5%
74.1%	752	752	0	0.0%
75.3%	733	746	13	1.8%
76.5%	730	735	5	0.6%
77.8%	723	725	2	0.2%
79.0%	708	710	1	0.2%
80.2%	678	708	31	4.6%
81.5%	649	664	15	2.4%
82.7%	638	658	20	3.2%
84.0%	608	600	-7	-1.2%
85.2%	560	553	-7	-1.3%
86.4%	547	546	-1	-0.2%
87.7%	534	546	12	2.2%
88.9%	522	544	22	4.3%
90.1%	509	527	18	3.6%
91.4%	508	490	-18	-3.6%
92.6%	464	488	24	5.2%
93.8%	451	469	18	4.0%
95.1%	437	423	-13	-3.1%
96.3%	393	346	-48	-12.1%
97.5%	337	322	-15	-4.5%
98.8%	325	217	-107	-33.0%
100.0%	135	135	-1	-0.6%

Table SW-24-5b
Folsom Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	974	-1	-0.1%
44.4%	975	974	-1	-0.1%
45.7%	975	973	-1	-0.1%
46.9%	974	969	-6	-0.6%
48.1%	973	965	-9	-0.9%
49.4%	969	959	-9	-1.0%
50.6%	964	957	-6	-0.6%
51.9%	960	953	-6	-0.7%
53.1%	957	945	-12	-1.3%
54.3%	937	937	0	0.0%
55.6%	914	915	1	0.1%
56.8%	895	903	8	0.9%
58.0%	885	877	-9	-1.0%
59.3%	845	856	11	1.3%
60.5%	828	845	17	2.0%
61.7%	827	825	-2	-0.2%
63.0%	823	822	-1	-0.1%
64.2%	798	811	13	1.7%
65.4%	771	807	35	4.6%
66.7%	766	795	29	3.8%
67.9%	735	793	57	7.8%
69.1%	733	742	9	1.2%
70.4%	726	703	-23	-3.2%
71.6%	703	699	-4	-0.6%
72.8%	679	697	18	2.6%
74.1%	676	689	13	1.9%
75.3%	667	673	6	0.9%
76.5%	661	667	5	0.8%
77.8%	628	656	27	4.3%
79.0%	614	617	3	0.5%
80.2%	608	615	8	1.2%
81.5%	600	594	-6	-1.0%
82.7%	595	578	-16	-2.8%
84.0%	576	562	-15	-2.5%
85.2%	524	536	11	2.1%
86.4%	517	495	-22	-4.3%
87.7%	507	494	-13	-2.6%
88.9%	468	494	26	5.5%
90.1%	461	472	10	2.2%
91.4%	451	450	-1	-0.2%
92.6%	423	449	26	6.2%
93.8%	371	440	69	18.6%
95.1%	370	411	41	11.2%
96.3%	338	337	-1	-0.3%
97.5%	311	334	23	7.5%
98.8%	201	213	13	6.2%
100.0%	113	107	-6	-5.1%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	950	950	0	0.0%
1.2%	950	950	0	0.0%
2.5%	950	950	0	0.0%
3.7%	950	950	0	0.0%
4.9%	950	950	0	0.0%
6.2%	950	950	0	0.0%
7.4%	950	950	0	0.0%
8.6%	950	950	0	0.0%
9.9%	950	950	0	0.0%
11.1%	950	950	0	0.0%
12.3%	950	950	0	0.0%
13.6%	950	929	-21	-2.2%
14.8%	950	924	-26	-2.7%
16.0%	950	924	-26	-2.8%
17.3%	933	919	-13	-1.4%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	918	10	1.2%
22.2%	886	918	32	3.7%
23.5%	874	914	41	4.6%
24.7%	871	912	42	4.8%
25.9%	864	882	18	2.1%
27.2%	845	882	36	4.3%
28.4%	802	843	41	5.1%
29.6%	797	841	44	5.5%
30.9%	795	819	24	3.0%
32.1%	794	800	6	0.8%
33.3%	792	800	8	1.1%
34.6%	788	794	7	0.8%
35.8%	782	793	11	1.4%
37.0%	780	793	13	1.6%
38.3%	771	792	20	2.6%
39.5%	769	788	19	2.5%
40.7%	763	786	23	3.0%
42.0%	760	768	8	1.0%
43.2%	759	760	1	0.2%
44.4%	748	760	11	1.5%
45.7%	747	755	8	1.1%
46.9%	746	754	8	1.0%
48.1%	737	746	9	1.3%
49.4%	733	738	5	0.6%
50.6%	731	737	6	0.8%
51.9%	703	736	32	4.6%
53.1%	700	730	31	4.4%
54.3%	679	705	26	3.8%
55.6%	679	701	23	3.3%
56.8%	669	700	31	4.6%
58.0%	663	670	7	1.1%
59.3%	636	665	30	4.6%
60.5%	600	634	34	5.6%
61.7%	588	633	45	7.6%
63.0%	571	631	60	10.6%
64.2%	568	619	51	9.0%
65.4%	542	601	60	11.0%
66.7%	539	586	47	8.7%
67.9%	532	555	23	4.4%
69.1%	519	547	28	5.4%
70.4%	509	544	35	6.9%
71.6%	505	530	24	4.8%
72.8%	497	530	32	6.4%
74.1%	485	525	40	8.3%
75.3%	484	521	37	7.7%
76.5%	476	516	40	8.3%
77.8%	466	496	30	6.5%
79.0%	444	486	42	9.4%
80.2%	440	485	46	10.4%
81.5%	438	477	39	9.0%
82.7%	417	441	24	5.7%
84.0%	415	437	22	5.4%
85.2%	389	431	42	10.7%
86.4%	384	424	40	10.5%
87.7%	383	421	38	9.9%
88.9%	379	389	10	2.6%
90.1%	351	384	33	9.3%
91.4%	344	383	39	11.4%
92.6%	332	373	40	12.1%
93.8%	321	357	36	11.3%
95.1%	321	322	1	0.4%
96.3%	318	299	-19	-6.1%
97.5%	209	261	52	25.0%
98.8%	159	186	27	17.0%
100.0%	90	90	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	786	-14	-1.7%
24.7%	800	786	-14	-1.8%
25.9%	791	761	-30	-3.7%
27.2%	781	759	-21	-2.7%
28.4%	765	749	-16	-2.1%
29.6%	742	747	5	0.7%
30.9%	741	742	1	0.1%
32.1%	739	741	2	0.2%
33.3%	738	736	-2	-0.3%
34.6%	719	733	14	1.9%
35.8%	714	720	6	0.8%
37.0%	706	718	12	1.7%
38.3%	701	715	14	2.0%
39.5%	700	702	2	0.3%
40.7%	696	691	-6	-0.8%
42.0%	688	689	1	0.1%
43.2%	660	669	9	1.4%
44.4%	657	667	10	1.5%
45.7%	640	666	27	4.2%
46.9%	634	659	25	3.9%
48.1%	620	653	33	5.3%
49.4%	620	645	25	4.1%
50.6%	618	638	19	3.1%
51.9%	618	631	13	2.2%
53.1%	608	620	12	2.0%
54.3%	603	604	1	0.2%
55.6%	574	600	26	4.5%
56.8%	573	600	27	4.7%
58.0%	562	600	38	6.8%
59.3%	556	600	44	7.9%
60.5%	543	600	57	10.6%
61.7%	528	595	68	12.9%
63.0%	523	577	54	10.2%
64.2%	517	559	41	8.0%
65.4%	474	553	79	16.6%
66.7%	472	521	49	10.5%
67.9%	472	508	36	7.7%
69.1%	452	498	46	10.3%
70.4%	436	476	39	9.0%
71.6%	426	465	39	9.2%
72.8%	415	449	33	8.0%
74.1%	412	442	30	7.3%
75.3%	409	439	30	7.4%
76.5%	401	439	37	9.3%
77.8%	387	437	50	13.0%
79.0%	381	429	48	12.6%
80.2%	378	416	39	10.2%
81.5%	374	382	8	2.2%
82.7%	371	361	-10	-2.8%
84.0%	365	359	-6	-1.5%
85.2%	361	359	-2	-0.6%
86.4%	336	352	16	4.8%
87.7%	330	349	19	5.7%
88.9%	324	344	20	6.3%
90.1%	319	326	7	2.2%
91.4%	318	320	2	0.7%
92.6%	312	314	2	0.5%
93.8%	283	305	22	7.7%
95.1%	269	299	30	11.3%
96.3%	257	277	20	7.9%
97.5%	106	207	101	95.6%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	650	650	0	0.0%
1.2%	650	650	0	0.0%
2.5%	650	650	0	0.0%
3.7%	650	650	0	0.0%
4.9%	650	650	0	0.0%
6.2%	650	650	0	0.0%
7.4%	650	650	0	0.0%
8.6%	650	650	0	0.0%
9.9%	650	650	0	0.0%
11.1%	650	650	0	0.0%
12.3%	650	650	0	0.0%
13.6%	650	650	0	0.0%
14.8%	650	650	0	0.1%
16.0%	648	650	2	0.3%
17.3%	646	650	4	0.6%
18.5%	645	650	5	0.8%
19.8%	645	650	5	0.8%
21.0%	644	650	6	0.9%
22.2%	644	650	6	0.9%
23.5%	638	650	12	1.8%
24.7%	638	650	12	1.9%
25.9%	637	650	13	2.0%
27.2%	633	650	17	2.6%
28.4%	630	645	15	2.4%
29.6%	629	643	14	2.2%
30.9%	625	631	5	0.8%
32.1%	610	629	18	3.0%
33.3%	609	626	17	2.7%
34.6%	608	615	7	1.2%
35.8%	600	613	14	2.3%
37.0%	593	613	20	3.4%
38.3%	591	605	14	2.3%
39.5%	589	600	11	1.9%
40.7%	585	600	15	2.6%
42.0%	584	600	16	2.7%
43.2%	584	600	16	2.8%
44.4%	575	596	22	3.8%
45.7%	567	584	18	3.1%
46.9%	555	582	27	4.9%
48.1%	547	581	33	6.1%
49.4%	537	580	43	8.0%
50.6%	537	578	41	7.7%
51.9%	536	578	42	7.8%
53.1%	534	575	41	7.6%
54.3%	528	574	47	8.9%
55.6%	520	573	53	10.2%
56.8%	518	569	51	9.8%
58.0%	498	548	50	10.0%
59.3%	494	546	52	10.5%
60.5%	492	530	39	7.9%
61.7%	482	522	40	8.3%
63.0%	448	496	48	10.7%
64.2%	437	488	51	11.6%
65.4%	420	480	61	14.4%
66.7%	416	472	56	13.5%
67.9%	415	451	36	8.6%
69.1%	399	444	45	11.4%
70.4%	395	444	48	12.2%
71.6%	387	429	41	10.6%
72.8%	383	416	32	8.4%
74.1%	379	412	32	8.6%
75.3%	377	403	26	6.8%
76.5%	373	401	28	7.4%
77.8%	371	398	27	7.2%
79.0%	365	386	21	5.7%
80.2%	364	364	0	0.1%
81.5%	360	362	2	0.6%
82.7%	357	359	2	0.5%
84.0%	348	352	5	1.3%
85.2%	336	350	14	4.2%
86.4%	325	338	14	4.2%
87.7%	309	328	19	6.2%
88.9%	300	328	28	9.4%
90.1%	287	315	28	9.6%
91.4%	283	300	17	6.2%
92.6%	280	286	6	2.3%
93.8%	260	283	23	8.8%
95.1%	243	279	37	15.1%
96.3%	129	260	131	101.3%
97.5%	90	173	83	91.7%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

Table SW-25-5a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative B	412	407	409	411	414	427	440	451	448	435	425	416
Difference	2	2	1	1	1	1	0	0	0	2	2	3
Percent Difference[3]	0.6%	0.6%	0.4%	0.2%	0.2%	0.1%	0.1%	0.0%	0.1%	0.6%	0.5%	0.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative B	427	416	416	417	416	432	448	465	464	456	445	430
Difference	1	1	0	0	0	0	0	0	0	1	0	2
Percent Difference	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.6%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative B	421	414	415	417	419	433	448	465	462	444	435	424
Difference	2	2	1	0	0	0	0	0	0	1	1	2
Percent Difference	0.5%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.4%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative B	423	416	415	414	420	432	448	461	459	440	431	424
Difference	1	1	0	0	1	1	0	0	-1	4	3	1
Percent Difference	0.2%	0.1%	0.1%	-0.1%	0.2%	0.1%	0.0%	-0.1%	-0.1%	0.9%	0.6%	0.3%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative B	405	406	406	409	417	429	440	447	441	424	413	410
Difference	5	4	3	3	2	1	2	1	2	5	5	5
Percent Difference	1.3%	1.1%	0.7%	0.7%	0.6%	0.3%	0.4%	0.3%	0.4%	1.1%	1.3%	1.3%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative B	369	370	382	389	391	401	403	403	399	390	380	376
Difference	4	5	3	2	1	1	-1	-2	1	3	3	6
Percent Difference	1.0%	1.2%	0.8%	0.5%	0.3%	0.3%	-0.2%	-0.5%	0.3%	0.7%	0.8%	1.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-25-5b
Folsom Lake, End of Month Elevation
Probability of Exceedance

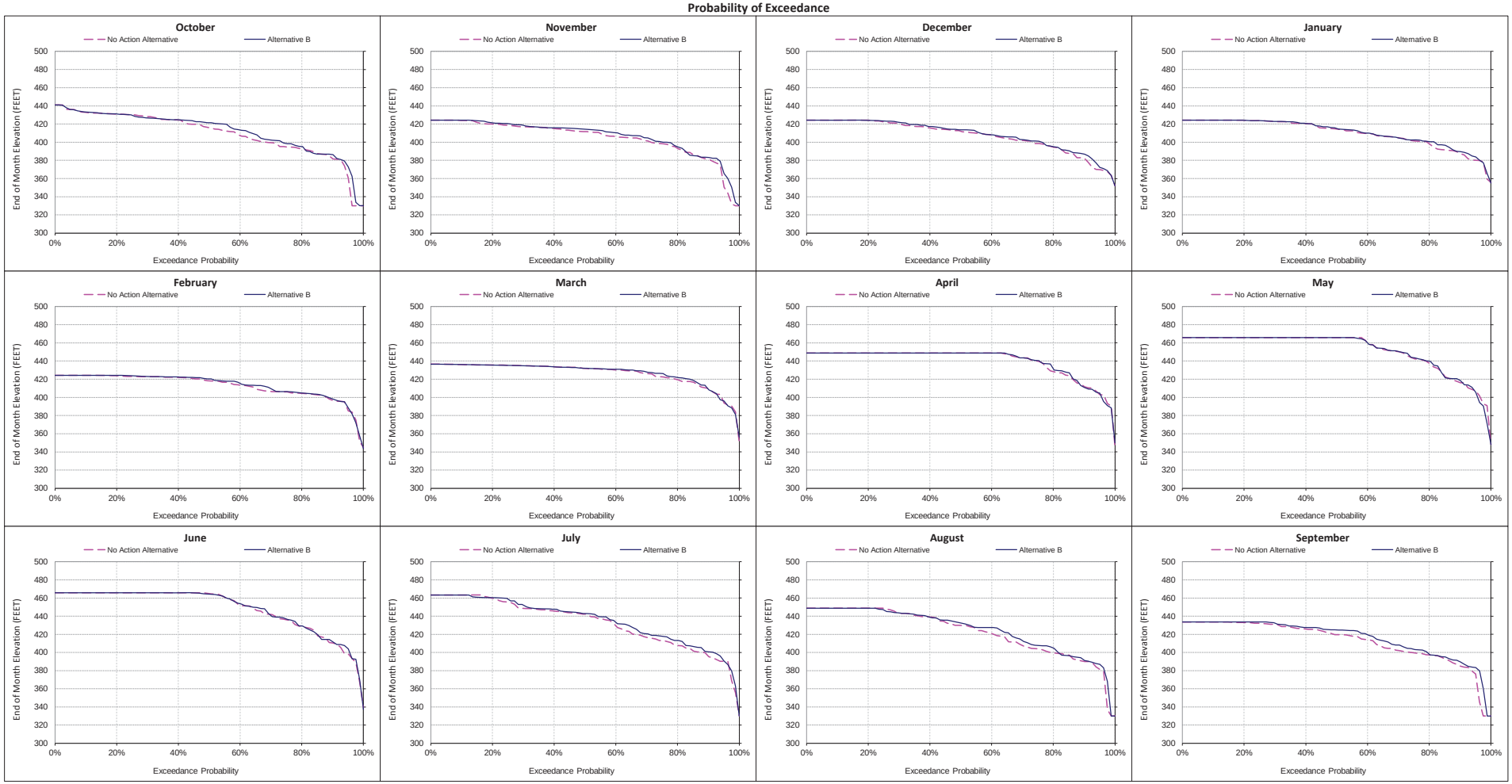

Table SW-25-5b
Folsom Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	441	441	0	0.0%
1.2%	441	441	0	0.0%
2.5%	441	441	0	0.0%
3.7%	436	438	2	0.4%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	435	435	0	0.0%
8.6%	433	434	1	0.1%
9.9%	433	433	0	0.1%
11.1%	432	433	1	0.2%
12.3%	432	433	1	0.2%
13.6%	432	432	0	0.0%
14.8%	432	432	0	0.0%
16.0%	432	432	0	0.0%
17.3%	431	431	0	0.0%
18.5%	431	431	0	0.0%
19.8%	431	431	0	0.0%
21.0%	431	431	0	0.0%
22.2%	431	431	0	0.0%
23.5%	430	430	0	0.0%
24.7%	430	430	0	0.0%
25.9%	430	428	-2	-0.4%
27.2%	429	428	-2	-0.4%
28.4%	429	427	-2	-0.4%
29.6%	428	427	-1	-0.3%
30.9%	428	427	-1	-0.3%
32.1%	427	427	-1	-0.2%
33.3%	426	426	-1	-0.1%
34.6%	425	426	0	0.1%
35.8%	425	425	0	0.1%
37.0%	425	425	0	0.0%
38.3%	425	425	0	0.0%
39.5%	424	425	0	0.1%
40.7%	424	424	0	0.1%
42.0%	421	424	3	0.7%
43.2%	420	424	4	0.9%
44.4%	420	424	4	0.9%
45.7%	420	423	3	0.7%
46.9%	420	422	3	0.7%
48.1%	417	422	5	1.2%
49.4%	416	422	5	1.2%
50.6%	416	422	6	1.4%
51.9%	415	421	6	1.5%
53.1%	414	420	6	1.4%
54.3%	413	420	7	1.7%
55.6%	412	420	7	1.8%
56.8%	412	417	5	1.2%
58.0%	411	415	3	0.8%
59.3%	408	414	5	1.3%
60.5%	407	413	6	1.6%
61.7%	406	413	6	1.6%
63.0%	404	411	7	1.7%
64.2%	403	409	7	1.7%
65.4%	402	408	6	1.6%
66.7%	401	404	4	0.9%
67.9%	400	403	3	0.7%
69.1%	400	403	3	0.8%
70.4%	399	402	3	0.7%
71.6%	399	402	3	0.8%
72.8%	395	402	6	1.6%
74.1%	395	399	4	1.0%
75.3%	395	398	4	0.9%
76.5%	395	398	4	0.9%
77.8%	394	397	2	0.6%
79.0%	393	395	2	0.6%
80.2%	392	395	3	0.8%
81.5%	392	390	-1	-0.3%
82.7%	391	390	-1	-0.3%
84.0%	389	388	-2	-0.5%
85.2%	388	387	-1	-0.1%
86.4%	387	387	0	0.1%
87.7%	387	387	0	0.1%
88.9%	385	387	2	0.5%
90.1%	382	386	5	1.2%
91.4%	381	382	1	0.2%
92.6%	381	381	0	0.0%
93.8%	374	379	5	1.4%
95.1%	361	373	12	3.4%
96.3%	330	362	32	9.8%
97.5%	330	334	4	1.1%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.1%
12.3%	424	424	0	0.1%
13.6%	424	424	0	0.1%
14.8%	422	424	2	0.4%
16.0%	421	424	3	0.6%
17.3%	420	423	3	0.7%
18.5%	420	422	2	0.5%
19.8%	420	421	1	0.3%
21.0%	420	421	1	0.2%
22.2%	420	421	1	0.3%
23.5%	419	421	2	0.4%
24.7%	419	421	2	0.4%
25.9%	419	420	2	0.4%
27.2%	418	419	1	0.3%
28.4%	417	419	2	0.5%
29.6%	417	419	2	0.5%
30.9%	417	418	1	0.2%
32.1%	417	417	1	0.1%
33.3%	417	417	0	0.1%
34.6%	416	417	0	0.1%
35.8%	416	416	0	0.0%
37.0%	416	416	0	0.0%
38.3%	415	416	1	0.2%
39.5%	415	416	1	0.2%
40.7%	415	416	1	0.3%
42.0%	414	416	1	0.3%
43.2%	413	416	2	0.5%
44.4%	413	415	2	0.5%
45.7%	413	415	3	0.7%
46.9%	412	415	3	0.7%
48.1%	412	415	3	0.7%
49.4%	412	414	3	0.7%
50.6%	412	414	3	0.6%
51.9%	411	414	3	0.7%
53.1%	411	413	3	0.6%
54.3%	411	413	2	0.6%
55.6%	409	413	4	1.0%
56.8%	407	411	4	1.0%
58.0%	407	411	4	1.1%
59.3%	407	411	4	0.9%
60.5%	406	410	5	1.2%
61.7%	405	409	3	0.8%
63.0%	405	408	2	0.6%
64.2%	405	408	3	0.7%
65.4%	405	407	2	0.6%
66.7%	405	407	3	0.6%
67.9%	404	407	3	0.9%
69.1%	402	405	3	0.8%
70.4%	401	405	3	0.8%
71.6%	400	403	3	0.9%
72.8%	399	401	2	0.5%
74.1%	399	401	2	0.5%
75.3%	398	400	2	0.4%
76.5%	398	400	2	0.6%
77.8%	396	399	4	0.9%
79.0%	395	396	1	0.2%
80.2%	393	395	2	0.5%
81.5%	391	393	2	0.6%
82.7%	389	390	1	0.2%
84.0%	389	386	-3	-0.8%
85.2%	386	385	-1	-0.2%
86.4%	385	385	0	-0.1%
87.7%	383	383	0	0.1%
88.9%	382	383	1	0.4%
90.1%	381	383	2	0.5%
91.4%	379	382	3	0.9%
92.6%	377	382	5	1.4%
93.8%	375	379	4	1.1%
95.1%	350	366	15	4.4%
96.3%	344	360	16	4.7%
97.5%	332	350	18	5.5%
98.8%	330	334	4	1.1%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	423	424	1	0.1%
23.5%	423	424	0	0.1%
24.7%	423	423	1	0.2%
25.9%	422	423	1	0.2%
27.2%	421	423	2	0.4%
28.4%	421	423	2	0.4%
29.6%	421	422	1	0.3%
30.9%	419	422	2	0.5%
32.1%	418	421	3	0.6%
33.3%	418	420	1	0.3%
34.6%	417	420	2	0.5%
35.8%	417	420	2	0.5%
37.0%	417	419	1	0.3%
38.3%	417	419	2	0.4%
39.5%	416	417	1	0.4%
40.7%	415	417	2	0.5%
42.0%	414	417	2	0.5%
43.2%	414	416	2	0.5%
44.4%	414	415	1	0.3%
45.7%	414	415	1	0.2%
46.9%	413	414	1	0.3%
48.1%	413	414	1	0.3%
49.4%	413	414	1	0.2%
50.6%	411	414	2	0.6%
51.9%	411	414	2	0.6%
53.1%	411	413	3	0.7%
54.3%	410	413	3	0.6%
55.6%	410	411	1	0.3%
56.8%	410	409	0	0.0%
58.0%	409	409	0	0.0%
59.3%	408	408	0	0.0%
60.5%	407	408	1	0.2%
61.7%	406	407	1	0.3%
63.0%	405	406	1	0.3%
64.2%	404	406	2	0.4%
65.4%	404	406	2	0.5%
66.7%	403	406	3	0.6%
67.9%	402	405	3	0.8%
69.1%	402	403	1	0.2%
70.4%	402	403	1	0.2%
71.6%	401	402	1	0.2%
72.8%	401	401	0	0.1%
74.1%	399	401	3	0.6%
75.3%	399	401	3	0.6%
76.5%	398	400	2	0.4%
77.8%	396	396	0	0.0%
79.0%	395	396	0	0.1%
80.2%	394	395	1	0.2%
81.5%	394	394	0	0.1%
82.7%	392	392	0	0.0%
84.0%	388	391	3	0.8%
85.2%	388	391	3	0.7%
86.4%	387	389	1	0.3%
87.7%	383	388	5	1.4%
88.9%	383	388	5	1.3%
90.1%	382	387	5	1.2%
91.4%	378	385	7	1.9%
92.6%	372	382	9	2.5%
93.8%	370	377	7	1.9%
95.1%	370	372	3	0.7%
96.3%	369	371	2	0.6%
97.5%	367	369	1	0.4%
98.8%	363	363	0	0.0%
100.0%	352	352	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	424	424	0	0.0%
23.5%	424	424	0	0.0%
24.7%	424	424	0	0.0%
25.9%	424	424	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.1%
32.1%	422	423	0	0.1%
33.3%	422	423	0	0.1%
34.6%	422	422	1	0.2%
35.8%	421	422	2	0.4%
37.0%	421	422	1	0.2%
38.3%	421	421	0	0.1%
39.5%	420	421	0	0.1%
40.7%	420	420	0	0.0%
42.0%	420	420	0	0.1%
43.2%	418	418	0	0.0%
44.4%	416	418	2	0.5%
45.7%	416	417	1	0.4%
46.9%	415	417	2	0.4%
48.1%	415	416	1	0.3%
49.4%	415	416	1	0.3%
50.6%	414	414	0	0.0%
51.9%	414	414	0	0.0%
53.1%	413	414	1	0.3%
54.3%	412	414	1	0.3%
55.6%	412	413	1	0.2%
56.8%	411	413	2	0.5%
58.0%	410	411	1	0.2%
59.3%	410	410	1	0.1%
60.5%	409	410	0	0.1%
61.7%	409	409	0	0.0%
63.0%	407	408	0	0.1%
64.2%	407	407	1	0.2%
65.4%	406	407	0	0.0%
66.7%	406	406	0	0.1%
67.9%	406	406	0	-0.1%
69.1%	405	405	0	0.0%
70.4%	405	405	0	0.0%
71.6%	404	404	0	-0.1%
72.8%	403	403	0	0.0%
74.1%	402	403	1	0.1%
75.3%	401	402	1	0.2%
76.5%	401	402	1	0.3%
77.8%	401	401	1	0.2%
79.0%	401	401	0	0.1%
80.2%	398	401	3	0.7%
81.5%	394	400	6	1.6%
82.7%	392	397	5	1.2%
84.0%	392	397	5	1.4%
85.2%	392	397	5	1.3%
86.4%	391	394	3	0.9%
87.7%	391	392	1	0.2%
88.9%	390	390	0	0.1%
90.1%	387	390	2	0.6%
91.4%	386	389	3	0.8%
92.6%	382	387	6	1.4%
93.8%	380	385	5	1.2%
95.1%	380	384	4	1.0%
96.3%	380	380	0	0.0%
97.5%	378	377	-1	-0.3%
98.8%	359	365	6	1.6%
100.0%	356	355	-1	-0.2%

Table SW-25-5b

Folsom Lake, End of Month Elevation

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.1%
19.8%	424	424	0	0.1%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.2%
23.5%	423	424	1	0.2%
24.7%	423	424	1	0.2%
25.9%	423	424	0	0.1%
27.2%	423	423	1	0.1%
28.4%	423	423	0	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.0%
32.1%	423	423	0	0.0%
33.3%	423	423	0	0.0%
34.6%	422	423	0	0.1%
35.8%	422	423	0	0.1%
37.0%	422	423	0	0.1%
38.3%	422	423	0	0.1%
39.5%	422	422	0	0.1%
40.7%	422	422	0	0.1%
42.0%	422	422	0	0.1%
43.2%	422	422	0	0.1%
44.4%	421	422	1	0.2%
45.7%	420	422	1	0.3%
46.9%	420	422	1	0.3%
48.1%	419	421	2	0.5%
49.4%	418	420	2	0.5%
50.6%	418	420	2	0.5%
51.9%	418	419	1	0.2%
53.1%	418	418	0	0.1%
54.3%	417	418	1	0.3%
55.6%	417	418	1	0.3%
56.8%	416	418	2	0.5%
58.0%	414	418	4	0.9%
59.3%	414	417	3	0.7%
60.5%	413	414	1	0.3%
61.7%	413	414	1	0.1%
63.0%	412	413	1	0.3%
64.2%	411	413	2	0.5%
65.4%	409	413	4	1.0%
66.7%	408	413	5	1.2%
67.9%	407	412	5	1.2%
69.1%	407	411	4	1.0%
70.4%	406	409	3	0.7%
71.6%	406	407	0	0.1%
72.8%	406	406	0	0.0%
74.1%	406	406	0	0.1%
75.3%	406	406	0	0.1%
76.5%	405	406	1	0.3%
77.8%	405	406	1	0.3%
79.0%	405	405	1	0.1%
80.2%	404	405	0	0.1%
81.5%	404	404	0	0.0%
82.7%	404	404	0	0.1%
84.0%	403	404	0	0.1%
85.2%	403	403	0	0.1%
86.4%	403	403	0	0.0%
87.7%	401	401	0	0.0%
88.9%	398	400	2	0.4%
90.1%	397	398	2	0.4%
91.4%	396	397	1	0.2%
92.6%	396	396	0	0.0%
93.8%	395	395	0	0.0%
95.1%	385	389	3	0.9%
96.3%	384	382	-2	-0.5%
97.5%	375	372	-3	-0.8%
98.8%	351	357	6	1.7%
100.0%	345	344	-1	-0.4%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	437	437	0	0.0%
1.2%	437	437	0	0.0%
2.5%	437	437	0	0.0%
3.7%	437	437	0	0.0%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	436	436	0	0.0%
8.6%	436	436	0	0.0%
9.9%	436	436	0	0.0%
11.1%	436	436	0	0.0%
12.3%	436	436	0	0.0%
13.6%	436	436	0	0.0%
14.8%	436	436	0	0.0%
16.0%	436	436	0	0.0%
17.3%	436	436	0	0.0%
18.5%	436	436	0	0.0%
19.8%	436	436	0	0.0%
21.0%	436	436	0	0.0%
22.2%	436	436	0	0.0%
23.5%	436	435	0	-0.1%
24.7%	435	435	0	0.0%
25.9%	435	435	0	-0.1%
27.2%	435	435	0	0.0%
28.4%	435	435	0	0.0%
29.6%	435	435	0	0.0%
30.9%	435	435	0	0.0%
32.1%	435	435	0	0.0%
33.3%	435	435	0	0.0%
34.6%	435	434	0	0.0%
35.8%	434	434	0	0.0%
37.0%	434	434	0	0.0%
38.3%	434	434	0	-0.1%
39.5%	434	434	0	0.0%
40.7%	434	434	0	0.0%
42.0%	434	433	0	-0.1%
43.2%	433	433	0	0.0%
44.4%	433	433	0	0.0%
45.7%	433	433	0	-0.1%
46.9%	433	433	0	-0.1%
48.1%	433	432	-1	-0.2%
49.4%	432	432	0	0.0%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.1%
53.1%	432	432	0	0.0%
54.3%	431	432	0	0.0%
55.6%	431	432	1	0.1%
56.8%	431	431	1	0.1%
58.0%	431	431	0	0.0%
59.3%	430	431	0	0.1%
60.5%	430	431	1	0.2%
61.7%	430	431	1	0.2%
63.0%	429	430	1	0.2%
64.2%	429	430	1	0.2%
65.4%	429	430	1	0.2%
66.7%	429	429	0	0.1%
67.9%	427	429	2	0.4%
69.1%	426	429	2	0.5%
70.4%	426	428	1	0.3%
71.6%	426	427	1	0.3%
72.8%	423	426	3	0.8%
74.1%	423	426	3	0.8%
75.3%	423	426	4	0.9%
76.5%	422	424	2	0.5%
77.8%	421	423	2	0.4%
79.0%	420	423	2	0.6%
80.2%	419	422	3	0.6%
81.5%	418	421	4	0.9%
82.7%	417	421	3	0.8%
84.0%	417	420	3	0.6%
85.2%	417	419	2	0.5%
86.4%	414	416	2	0.5%
87.7%	411	414	2	0.6%
88.9%	411	413	3	0.7%
90.1%	410	408	-1	-0.3%
91.4%	406	406	0	0.1%
92.6%	403	404	1	0.2%
93.8%	403	397	-6	-1.5%
95.1%	394	396	3	0.6%
96.3%	391	391	-1	-0.2%
97.5%	391	389	-2	-0.5%
98.8%	384	381	-3	-0.7%
100.0%	350	357	6	1.7%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	449	449	0	0.0%
27.2%	449	449	0	0.0%
28.4%	449	449	0	0.0%
29.6%	449	449	0	0.0%
30.9%	449	449	0	0.0%
32.1%	449	449	0	0.0%
33.3%	449	449	0	0.0%
34.6%	449	449	0	0.0%
35.8%	449	449	0	0.0%
37.0%	449	449	0	0.0%
38.3%	449	449	0	0.0%
39.5%	449	449	0	0.0%
40.7%	449	449	0	0.0%
42.0%	449	449	0	0.0%
43.2%	449	449	0	0.0%
44.4%	449	449	0	0.0%
45.7%	449	449	0	0.0%
46.9%	449	449	0	0.0%
48.1%	449	449	0	0.0%
49.4%	449	449	0	0.0%
50.6%	449	449	0	0.0%
51.9%	449	449	0	0.0%
53.1%	449	449	0	0.0%
54.3%	449	449	0	0.0%
55.6%	449	449	0	0.0%
56.8%	449	449	0	0.0%
58.0%	449	449	0	0.0%
59.3%	449	449	0	0.0%
60.5%	449	449	0	0.0%
61.7%	449	449	0	0.0%
63.0%	449	449	0	0.0%
64.2%	448	449	1	0.1%
65.4%	447	447	0	0.0%
66.7%	446	447	1	0.3%
67.9%	445	445	1	0.2%
69.1%	444	444	0	0.0%
70.4%	444	443	0	0.0%
71.6%	443	443	-1	-0.1%
72.8%	441	442	1	0.2%
74.1%	440	441	1	0.1%
75.3%	440	440	1	0.2%
76.5%	438	437	0	0.0%
77.8%	433	437	4	1.0%
79.0%	429	437	8	1.8%
80.2%	428	430	2	0.5%
81.5%	427	430	3	0.6%
82.7%	427	429	2	0.6%
84.0%	425	428	3	0.8%
85.2%	424	427	3	0.7%
86.4%	419	420	1	0.2%
87.7%	416	419	3	0.7%
88.9%	415	413	-1	-0.4%
90.1%	412	411	-1	-0.2%
91.4%	411	409	-1	-0.3%
92.6%	410	409	-1	-0.3%
93.8%	407	406	-1	-0.2%
95.1%	403	405	2	0.4%
96.3%	403	395	-7	-1.8%
97.5%	393	391	-2	-0.6%
98.8%	391	388	-2	-0.6%
100.0%	346	350	5	1.3%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	466	0	0.0%
48.1%	466	466	0	0.0%
49.4%	466	466	0	0.0%
50.6%	466	466	0	0.0%
51.9%	466	466	0	0.0%
53.1%	466	466	0	0.0%
54.3%	466	466	0	0.0%
55.6%	466	466	0	0.0%
56.8%	466	465	-1	-0.2%
58.0%	466	464	-1	-0.3%
59.3%	463	463	0	0.0%
60.5%	458	458	0	0.0%
61.7%	458	458	0	0.0%
63.0%	454	454	0	0.0%
64.2%	454	454	0	0.0%
65.4%	452	454	1	0.3%
66.7%	452	452	0	0.0%
67.9%	451	451	0	0.1%
69.1%	451	451	1	0.1%
70.4%	450	450	0	0.0%
71.6%	449	449	1	0.1%
72.8%	446	449	3	0.6%
74.1%	444	444	0	0.0%
75.3%	442	444	1	0.3%
76.5%	442	443	0	0.1%
77.8%	441	442	0	0.0%
79.0%	440	440	0	0.0%
80.2%	437	440	3	0.7%
81.5%	433	435	2	0.4%
82.7%	432	435	2	0.6%
84.0%	428	427	-1	-0.2%
85.2%	422	422	-1	-0.2%
86.4%	421	421	0	0.0%
87.7%	419	421	1	0.3%
88.9%	418	420	3	0.7%
90.1%	416	418	2	0.5%
91.4%	416	414	-2	-0.5%
92.6%	411	414	3	0.7%
93.8%	409	411	2	0.5%
95.1%	407	406	-2	-0.4%
96.3%	402	394	-8	-1.9%
97.5%	393	391	-2	-0.6%
98.8%	391	371	-20	-5.2%
100.0%	348	348	0	-0.1%

Table SW-25-5b

Folsom Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	465	-1	-0.1%
48.1%	466	465	-1	-0.2%
49.4%	465	464	-1	-0.2%
50.6%	465	464	-1	-0.1%
51.9%	464	464	-1	-0.1%
53.1%	464	463	-1	-0.3%
54.3%	462	462	0	0.0%
55.6%	460	460	0	0.0%
56.8%	458	459	1	0.2%
58.0%	457	456	-1	-0.2%
59.3%	453	454	1	0.2%
60.5%	452	453	2	0.4%
61.7%	451	451	0	0.0%
63.0%	451	451	0	0.0%
64.2%	449	450	1	0.3%
65.4%	446	450	3	0.8%
66.7%	446	448	3	0.6%
67.9%	443	448	6	1.3%
69.1%	442	443	1	0.2%
70.4%	442	439	-2	-0.5%
71.6%	439	439	0	-0.1%
72.8%	437	439	2	0.4%
74.1%	437	438	1	0.3%
75.3%	436	436	1	0.2%
76.5%	435	436	1	0.2%
77.8%	431	434	3	0.8%
79.0%	429	430	0	0.1%
80.2%	428	429	1	0.2%
81.5%	427	427	-1	-0.2%
82.7%	427	425	-2	-0.5%
84.0%	424	423	-2	-0.4%
85.2%	418	419	1	0.3%
86.4%	417	414	-3	-0.7%
87.7%	416	414	-2	-0.4%
88.9%	411	414	3	0.8%
90.1%	410	412	1	0.3%
91.4%	409	409	0	0.0%
92.6%	406	409	3	0.8%
93.8%	399	408	9	2.3%
95.1%	398	404	6	1.4%
96.3%	393	393	0	0.0%
97.5%	389	393	4	1.0%
98.8%	367	370	3	0.8%
100.0%	339	337	-2	-0.6%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	463	463	0	0.0%
1.2%	463	463	0	0.0%
2.5%	463	463	0	0.0%
3.7%	463	463	0	0.0%
4.9%	463	463	0	0.0%
6.2%	463	463	0	0.0%
7.4%	463	463	0	0.0%
8.6%	463	463	0	0.0%
9.9%	463	463	0	0.0%
11.1%	463	463	0	0.0%
12.3%	463	463	0	0.0%
13.6%	463	461	-2	-0.4%
14.8%	463	461	-3	-0.5%
16.0%	463	461	-3	-0.5%
17.3%	462	460	-1	-0.3%
18.5%	461	460	0	-0.1%
19.8%	460	460	1	0.1%
21.0%	459	460	1	0.2%
22.2%	457	460	3	0.7%
23.5%	456	460	4	0.9%
24.7%	456	460	4	0.9%
25.9%	455	457	2	0.4%
27.2%	453	457	4	0.8%
28.4%	449	453	4	0.9%
29.6%	449	453	4	0.9%
30.9%	448	451	2	0.5%
32.1%	448	449	1	0.1%
33.3%	448	449	1	0.2%
34.6%	448	448	1	0.1%
35.8%	447	448	1	0.2%
37.0%	447	448	1	0.3%
38.3%	446	448	2	0.4%
39.5%	446	448	2	0.4%
40.7%	445	447	2	0.5%
42.0%	445	446	1	0.2%
43.2%	445	445	0	0.0%
44.4%	444	445	1	0.2%
45.7%	444	445	1	0.2%
46.9%	444	444	1	0.2%
48.1%	443	444	1	0.2%
49.4%	442	443	0	0.1%
50.6%	442	443	1	0.1%
51.9%	439	443	3	0.7%
53.1%	439	442	3	0.7%
54.3%	437	440	3	0.6%
55.6%	437	439	2	0.5%
56.8%	436	439	3	0.7%
58.0%	435	436	1	0.2%
59.3%	432	435	4	0.8%
60.5%	427	432	4	1.0%
61.7%	426	431	6	1.3%
63.0%	424	431	7	1.8%
64.2%	423	430	6	1.5%
65.4%	420	428	7	1.8%
66.7%	420	426	6	1.4%
67.9%	419	422	3	0.7%
69.1%	417	421	3	0.8%
70.4%	416	420	4	1.0%
71.6%	416	419	3	0.7%
72.8%	415	419	4	1.0%
74.1%	413	418	5	1.2%
75.3%	413	418	5	1.1%
76.5%	412	417	5	1.2%
77.8%	411	415	4	0.9%
79.0%	408	413	5	1.3%
80.2%	408	413	6	1.4%
81.5%	407	412	5	1.2%
82.7%	405	408	3	0.7%
84.0%	405	407	3	0.7%
85.2%	401	407	5	1.3%
86.4%	401	406	5	1.3%
87.7%	400	405	5	1.2%
88.9%	400	401	2	0.4%
90.1%	395	401	5	1.3%
91.4%	394	401	6	1.6%
92.6%	392	399	7	1.7%
93.8%	390	396	6	1.5%
95.1%	390	391	0	0.1%
96.3%	390	387	-3	-0.8%
97.5%	369	380	11	3.0%
98.8%	356	363	8	2.1%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	448	-1	-0.3%
24.7%	449	447	-1	-0.3%
25.9%	448	445	-3	-0.6%
27.2%	447	445	-2	-0.5%
28.4%	445	444	-2	-0.3%
29.6%	443	444	1	0.1%
30.9%	443	443	0	0.0%
32.1%	443	443	0	0.0%
33.3%	443	443	0	0.0%
34.6%	441	442	1	0.3%
35.8%	441	441	1	0.1%
37.0%	440	441	1	0.3%
38.3%	439	441	1	0.3%
39.5%	439	439	0	0.1%
40.7%	439	438	-1	-0.1%
42.0%	438	438	0	0.0%
43.2%	435	436	1	0.3%
44.4%	434	436	1	0.3%
45.7%	432	436	3	0.8%
46.9%	432	435	3	0.7%
48.1%	430	434	4	0.9%
49.4%	430	433	3	0.7%
50.6%	430	432	2	0.5%
51.9%	430	431	2	0.4%
53.1%	428	430	2	0.4%
54.3%	428	428	0	0.0%
55.6%	424	427	3	0.8%
56.8%	424	427	3	0.8%
58.0%	423	427	5	1.1%
59.3%	422	427	5	1.3%
60.5%	420	427	7	1.7%
61.7%	418	427	8	2.0%
63.0%	418	425	7	1.6%
64.2%	417	422	5	1.2%
65.4%	412	422	10	2.4%
66.7%	412	418	6	1.5%
67.9%	412	416	4	1.1%
69.1%	409	415	6	1.4%
70.4%	407	412	5	1.2%
71.6%	406	411	5	1.2%
72.8%	405	409	4	1.0%
74.1%	404	408	4	0.9%
75.3%	404	408	4	0.9%
76.5%	403	407	5	1.1%
77.8%	401	407	6	1.6%
79.0%	400	406	6	1.5%
80.2%	400	405	5	1.3%
81.5%	399	400	1	0.3%
82.7%	399	397	-2	-0.4%
84.0%	398	397	-1	-0.2%
85.2%	397	397	0	-0.1%
86.4%	393	395	3	0.7%
87.7%	392	395	3	0.8%
88.9%	391	394	3	0.8%
90.1%	390	391	1	0.3%
91.4%	390	390	0	0.1%
92.6%	389	389	0	0.1%
93.8%	384	388	4	1.0%
95.1%	381	387	5	1.4%
96.3%	379	383	4	1.0%
97.5%	337	368	32	9.4%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	434	434	0	0.0%
1.2%	434	434	0	0.0%
2.5%	434	434	0	0.0%
3.7%	434	434	0	0.0%
4.9%	434	434	0	0.0%
6.2%	434	434	0	0.0%
7.4%	434	434	0	0.0%
8.6%	434	434	0	0.0%
9.9%	434	434	0	0.0%
11.1%	434	434	0	0.0%
12.3%	434	434	0	0.0%
13.6%	434	434	0	0.0%
14.8%	434	434	0	0.0%
16.0%	433	434	0	0.1%
17.3%	433	434	0	0.1%
18.5%	433	434	1	0.1%
19.8%	433	434	1	0.1%
21.0%	433	434	1	0.2%
22.2%	433	434	1	0.2%
23.5%	432	434	1	0.3%
24.7%	432	434	1	0.3%
25.9%	432	434	2	0.4%
27.2%	432	434	2	0.5%
28.4%	431	433	2	0.4%
29.6%	431	433	2	0.4%
30.9%	431	431	1	0.1%
32.1%	429	431	2	0.5%
33.3%	429	431	2	0.5%
34.6%	428	429	1	0.2%
35.8%	427	429	2	0.4%
37.0%	426	429	3	0.6%
38.3%	426	428	2	0.4%
39.5%	426	427	1	0.3%
40.7%	426	427	2	0.4%
42.0%	425	427	2	0.5%
43.2%	425	427	2	0.5%
44.4%	424	427	3	0.6%
45.7%	423	425	2	0.5%
46.9%	422	425	3	0.8%
48.1%	421	425	4	1.0%
49.4%	420	425	5	1.3%
50.6%	420	425	5	1.2%
51.9%	420	425	5	1.2%
53.1%	419	424	5	1.2%
54.3%	418	424	6	1.4%
55.6%	418	424	7	1.6%
56.8%	417	424	6	1.5%
58.0%	415	421	6	1.5%
59.3%	414	421	6	1.5%
60.5%	414	419	5	1.2%
61.7%	413	418	5	1.2%
63.0%	409	415	6	1.4%
64.2%	407	414	6	1.5%
65.4%	405	413	7	1.8%
66.7%	405	412	7	1.7%
67.9%	405	409	4	1.1%
69.1%	403	408	6	1.4%
70.4%	402	408	6	1.5%
71.6%	401	406	5	1.3%
72.8%	401	405	4	1.0%
74.1%	400	404	4	1.1%
75.3%	400	403	4	0.9%
76.5%	399	403	4	1.0%
77.8%	399	402	4	1.0%
79.0%	398	401	3	0.9%
80.2%	397	397	0	0.0%
81.5%	397	397	0	0.1%
82.7%	396	397	0	0.1%
84.0%	395	395	1	0.2%
85.2%	393	395	2	0.6%
86.4%	391	393	2	0.6%
87.7%	388	392	3	0.8%
88.9%	387	392	5	1.2%
90.1%	385	389	5	1.2%
91.4%	384	387	3	0.8%
92.6%	383	385	1	0.3%
93.8%	380	384	4	1.2%
95.1%	376	383	7	1.9%
96.3%	346	380	34	9.8%
97.5%	330	359	29	8.9%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

Table SW-26-5a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,394	7,011	7,177	7,384	7,599	8,611	9,478	10,219	9,984	8,943	8,292	7,603
Alternative B	7,564	7,168	7,287	7,452	7,662	8,652	9,496	10,207	10,017	9,121	8,454	7,841
Difference	170	157	110	69	63	41	18	-12	33	177	162	238
Percent Difference[3]	2.3%	2.2%	1.5%	0.9%	0.8%	0.5%	0.2%	-0.1%	0.3%	2.0%	2.0%	3.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,583	7,813	7,809	7,942	7,807	9,003	10,083	11,104	11,090	10,503	9,863	8,687
Alternative B	8,654	7,862	7,843	7,945	7,807	9,003	10,083	11,104	11,089	10,554	9,876	8,872
Difference	70	50	34	3	0	0	0	-1	0	52	13	185
Percent Difference	0.8%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.1%	2.1%
Above Normal (15%)												
No Action Alternative	8,020	7,505	7,677	7,899	8,068	9,141	10,105	11,118	10,957	9,728	9,139	8,310
Alternative B	8,175	7,677	7,779	7,912	8,076	9,141	10,105	11,118	10,952	9,803	9,226	8,451
Difference	155	172	103	12	7	0	0	0	-5	75	86	141
Percent Difference	1.9%	2.3%	1.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.8%	0.9%	1.7%
Below Normal (17%)												
No Action Alternative	8,272	7,826	7,757	7,731	8,115	9,007	10,056	10,892	10,769	9,254	8,720	8,358
Alternative B	8,342	7,865	7,777	7,709	8,163	9,053	10,054	10,866	10,736	9,530	8,901	8,458
Difference	71	40	21	-22	47	46	-3	-25	-34	276	181	100
Percent Difference	0.9%	0.5%	0.3%	-0.3%	0.6%	0.5%	0.0%	-0.2%	-0.3%	3.0%	2.1%	1.2%
Dry (22%)												
No Action Alternative	6,667	6,728	6,868	7,065	7,716	8,702	9,440	9,934	9,442	8,061	7,242	6,973
Alternative B	7,044	7,058	7,079	7,290	7,902	8,803	9,559	10,011	9,562	8,401	7,639	7,371
Difference	378	330	211	225	186	101	119	77	121	340	396	398
Percent Difference	5.7%	4.9%	3.1%	3.2%	2.4%	1.2%	1.3%	0.8%	1.3%	4.2%	5.5%	5.7%
Critical (15%)												
No Action Alternative	4,257	4,251	5,094	5,730	5,900	6,635	6,922	7,043	6,516	5,740	5,115	4,613
Alternative B	4,463	4,503	5,326	5,869	5,987	6,710	6,868	6,877	6,602	5,933	5,300	4,985
Difference	206	252	232	139	87	75	-54	-166	86	193	185	372
Percent Difference	4.8%	5.9%	4.6%	2.4%	1.5%	1.1%	-0.8%	-2.4%	1.3%	3.4%	3.6%	8.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-26-5b
Folsom Lake, End of Month Area
Probability of Exceedance

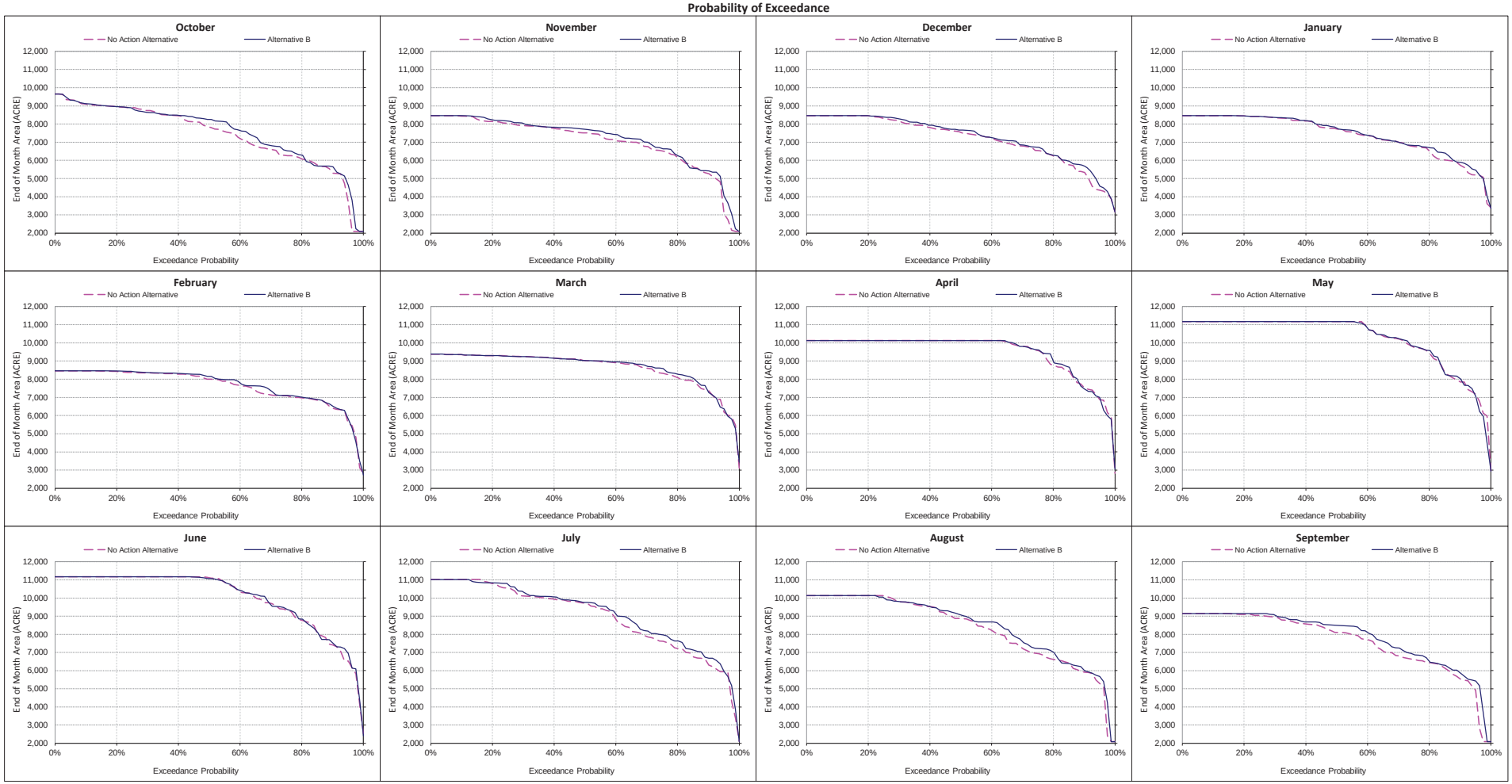

Table SW-26-5b
Folsom Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,656	9,656	0	0.0%
1.2%	9,656	9,656	0	0.0%
2.5%	9,643	9,643	0	0.0%
3.7%	9,343	9,464	121	1.3%
4.9%	9,334	9,320	-14	-0.2%
6.2%	9,320	9,303	-16	-0.2%
7.4%	9,233	9,233	0	0.0%
8.6%	9,113	9,159	47	0.5%
9.9%	9,100	9,120	21	0.2%
11.1%	9,051	9,107	55	0.6%
12.3%	9,043	9,097	54	0.6%
13.6%	9,042	9,055	13	0.1%
14.8%	9,038	9,022	-16	-0.2%
16.0%	9,006	9,006	0	0.0%
17.3%	8,991	8,984	-7	-0.1%
18.5%	8,975	8,978	2	0.0%
19.8%	8,962	8,966	4	0.0%
21.0%	8,944	8,944	0	0.0%
22.2%	8,931	8,933	2	0.0%
23.5%	8,908	8,916	9	0.1%
24.7%	8,906	8,900	-6	-0.1%
25.9%	8,899	8,765	-134	-1.5%
27.2%	8,827	8,711	-116	-1.3%
28.4%	8,807	8,685	-122	-1.4%
29.6%	8,737	8,646	-91	-1.0%
30.9%	8,737	8,626	-111	-1.3%
32.1%	8,684	8,625	-58	-0.7%
33.3%	8,617	8,574	-43	-0.5%
34.6%	8,518	8,554	36	0.4%
35.8%	8,510	8,541	31	0.4%
37.0%	8,494	8,496	2	0.0%
38.3%	8,474	8,488	14	0.2%
39.5%	8,468	8,488	19	0.2%
40.7%	8,452	8,470	18	0.2%
42.0%	8,239	8,462	223	2.7%
43.2%	8,139	8,423	284	3.5%
44.4%	8,130	8,405	275	3.4%
45.7%	8,117	8,332	215	2.6%
46.9%	8,107	8,323	216	2.7%
48.1%	7,929	8,297	368	4.6%
49.4%	7,864	8,250	386	4.9%
50.6%	7,801	8,250	449	5.8%
51.9%	7,727	8,177	450	5.8%
53.1%	7,712	8,155	443	5.7%
54.3%	7,625	8,144	519	6.8%
55.6%	7,559	8,118	559	7.4%
56.8%	7,519	7,876	356	4.7%
58.0%	7,499	7,731	232	3.1%
59.3%	7,274	7,677	404	5.5%
60.5%	7,146	7,618	471	6.6%
61.7%	7,124	7,600	476	6.7%
63.0%	6,945	7,447	502	7.2%
64.2%	6,845	7,349	504	7.4%
65.4%	6,781	7,247	466	6.9%
66.7%	6,696	6,967	272	4.1%
67.9%	6,670	6,884	213	3.2%
69.1%	6,625	6,850	225	3.4%
70.4%	6,596	6,810	213	3.2%
71.6%	6,554	6,781	227	3.5%
72.8%	6,288	6,761	473	7.5%
74.1%	6,288	6,582	294	4.7%
75.3%	6,262	6,527	265	4.2%
76.5%	6,256	6,512	257	4.1%
77.8%	6,227	6,394	168	2.7%
79.0%	6,156	6,315	159	2.6%
80.2%	6,065	6,288	223	3.7%
81.5%	6,030	5,931	-99	-1.6%
82.7%	5,964	5,881	-83	-1.4%
84.0%	5,868	5,735	-134	-2.3%
85.2%	5,731	5,692	-40	-0.7%
86.4%	5,673	5,692	19	0.3%
87.7%	5,661	5,692	30	0.5%
88.9%	5,548	5,692	143	2.6%
90.1%	5,301	5,648	347	6.5%
91.4%	5,285	5,346	61	1.2%
92.6%	5,251	5,247	-4	-0.1%
93.8%	4,730	5,144	414	8.8%
95.1%	3,706	4,636	930	25.1%
96.3%	2,091	3,815	1,724	82.5%
97.5%	2,091	2,236	145	6.9%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,433	8,458	26	0.3%
11.1%	8,431	8,458	28	0.3%
12.3%	8,422	8,456	34	0.4%
13.6%	8,411	8,431	20	0.2%
14.8%	8,279	8,407	128	1.5%
16.0%	8,201	8,400	199	2.4%
17.3%	8,165	8,372	207	2.5%
18.5%	8,142	8,287	146	1.8%
19.8%	8,139	8,236	97	1.2%
21.0%	8,128	8,201	72	0.9%
22.2%	8,110	8,200	90	1.1%
23.5%	8,054	8,192	138	1.7%
24.7%	8,043	8,178	135	1.7%
25.9%	8,026	8,149	124	1.5%
27.2%	7,970	8,071	101	1.3%
28.4%	7,928	8,069	141	1.8%
29.6%	7,920	8,065	145	1.8%
30.9%	7,912	7,980	68	0.9%
32.1%	7,891	7,932	40	0.5%
33.3%	7,890	7,921	32	0.4%
34.6%	7,875	7,895	20	0.3%
35.8%	7,865	7,853	-12	-0.2%
37.0%	7,844	7,840	-4	0.0%
38.3%	7,784	7,837	53	0.7%
39.5%	7,779	7,830	51	0.7%
40.7%	7,739	7,826	88	1.1%
42.0%	7,718	7,814	96	1.2%
43.2%	7,650	7,806	156	2.0%
44.4%	7,637	7,800	162	2.1%
45.7%	7,593	7,794	201	2.6%
46.9%	7,564	7,772	209	2.8%
48.1%	7,529	7,741	212	2.8%
49.4%	7,515	7,726	211	2.8%
50.6%	7,507	7,699	192	2.6%
51.9%	7,476	7,679	203	2.7%
53.1%	7,454	7,643	188	2.5%
54.3%	7,447	7,622	174	2.3%
55.6%	7,288	7,593	304	4.2%
56.8%	7,176	7,490	314	4.4%
58.0%	7,150	7,472	323	4.5%
59.3%	7,146	7,432	286	4.0%
60.5%	7,063	7,420	357	5.1%
61.7%	7,050	7,288	238	3.4%
63.0%	7,043	7,228	185	2.6%
64.2%	7,023	7,220	197	2.8%
65.4%	7,003	7,188	185	2.6%
66.7%	6,993	7,183	190	2.7%
67.9%	6,911	7,170	260	3.8%
69.1%	6,778	7,008	229	3.4%
70.4%	6,754	7,003	249	3.7%
71.6%	6,612	6,864	251	3.8%
72.8%	6,568	6,721	153	2.3%
74.1%	6,548	6,706	158	2.4%
75.3%	6,515	6,641	126	1.9%
76.5%	6,473	6,637	165	2.5%
77.8%	6,336	6,606	270	4.3%
79.0%	6,302	6,371	69	1.1%
80.2%	6,116	6,251	134	2.2%
81.5%	5,998	6,157	159	2.7%
82.7%	5,830	5,892	63	1.1%
84.0%	5,825	5,595	-230	-4.0%
85.2%	5,621	5,558	-63	-1.1%
86.4%	5,568	5,549	-19	-0.3%
87.7%	5,410	5,433	23	0.4%
88.9%	5,322	5,429	106	2.0%
90.1%	5,266	5,414	149	2.8%
91.4%	5,108	5,355	247	4.8%
92.6%	4,978	5,353	375	7.5%
93.8%	4,819	5,121	302	6.3%
95.1%	3,064	4,035	971	31.7%
96.3%	2,732	3,662	930	34.0%
97.5%	2,159	3,067	907	42.0%
98.8%	2,091	2,235	144	6.9%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,458	8,458	0	0.0%
18.5%	8,458	8,458	0	0.0%
19.8%	8,458	8,458	0	0.0%
21.0%	8,431	8,442	11	0.1%
22.2%	8,388	8,431	43	0.5%
23.5%	8,385	8,415	30	0.4%
24.7%	8,323	8,397	74	0.9%
25.9%	8,303	8,366	63	0.8%
27.2%	8,233	8,364	131	1.6%
28.4%	8,215	8,343	128	1.6%
29.6%	8,209	8,297	88	1.1%
30.9%	8,099	8,253	154	1.9%
32.1%	8,024	8,217	193	2.4%
33.3%	8,013	8,110	97	1.2%
34.6%	7,948	8,107	159	2.0%
35.8%	7,933	8,102	169	2.1%
37.0%	7,933	8,032	99	1.2%
38.3%	7,909	8,028	120	1.5%
39.5%	7,827	7,938	111	1.4%
40.7%	7,786	7,933	147	1.9%
42.0%	7,722	7,884	162	2.1%
43.2%	7,705	7,854	149	1.9%
44.4%	7,705	7,786	81	1.0%
45.7%	7,675	7,733	58	0.8%
46.9%	7,632	7,712	80	1.1%
48.1%	7,609	7,706	98	1.3%
49.4%	7,590	7,665	75	1.0%
50.6%	7,494	7,664	169	2.3%
51.9%	7,485	7,660	175	2.3%
53.1%	7,438	7,643	205	2.8%
54.3%	7,420	7,618	198	2.7%
55.6%	7,370	7,452	81	1.1%
56.8%	7,353	7,352	0	0.0%
58.0%	7,286	7,292	5	0.1%
59.3%	7,270	7,274	3	0.0%
60.5%	7,174	7,235	61	0.9%
61.7%	7,091	7,176	85	1.2%
63.0%	7,043	7,128	85	1.2%
64.2%	6,971	7,104	134	1.9%
65.4%	6,933	7,079	145	2.1%
66.7%	6,887	7,078	191	2.8%
67.9%	6,807	7,049	242	3.6%
69.1%	6,800	6,862	62	0.9%
70.4%	6,794	6,840	46	0.7%
71.6%	6,746	6,800	54	0.8%
72.8%	6,736	6,752	17	0.2%
74.1%	6,546	6,736	190	2.9%
75.3%	6,535	6,722	187	2.9%
76.5%	6,490	6,619	129	2.0%
77.8%	6,383	6,383	0	0.0%
79.0%	6,315	6,330	15	0.2%
80.2%	6,232	6,279	47	0.8%
81.5%	6,209	6,241	32	0.5%
82.7%	6,034	6,024	-10	-0.2%
84.0%	5,786	6,000	214	3.7%
85.2%	5,751	5,954	203	3.5%
86.4%	5,718	5,809	90	1.6%
87.7%	5,398	5,781	383	7.1%
88.9%	5,390	5,751	361	6.7%
90.1%	5,339	5,683	344	6.4%
91.4%	5,015	5,539	524	10.4%
92.6%	4,575	5,300	726	15.9%
93.8%	4,404	4,985	581	13.2%
95.1%	4,364	4,584	220	5.0%
96.3%	4,308	4,480	172	4.0%
97.5%	4,181	4,292	111	2.7%
98.8%	3,873	3,879	5	0.1%
100.0%	3,154	3,154	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,457	8,458	2	0.0%
18.5%	8,451	8,458	8	0.1%
19.8%	8,449	8,449	0	0.0%
21.0%	8,431	8,431	0	0.0%
22.2%	8,422	8,422	0	0.0%
23.5%	8,422	8,422	0	0.0%
24.7%	8,422	8,422	0	0.0%
25.9%	8,412	8,412	0	0.0%
27.2%	8,394	8,394	0	0.0%
28.4%	8,376	8,376	0	0.0%
29.6%	8,357	8,361	3	0.0%
30.9%	8,339	8,357	18	0.2%
32.1%	8,320	8,355	35	0.4%
33.3%	8,320	8,339	18	0.2%
34.6%	8,265	8,320	55	0.7%
35.8%	8,204	8,320	116	1.4%
37.0%	8,201	8,265	64	0.8%
38.3%	8,184	8,204	20	0.3%
39.5%	8,173	8,201	28	0.3%
40.7%	8,164	8,173	9	0.1%
42.0%	8,134	8,164	30	0.4%
43.2%	8,015	8,001	-13	-0.2%
44.4%	7,829	7,975	145	1.9%
45.7%	7,812	7,921	109	1.4%
46.9%	7,783	7,913	131	1.7%
48.1%	7,769	7,857	88	1.1%
49.4%	7,752	7,832	80	1.0%
50.6%	7,712	7,718	6	0.1%
51.9%	7,694	7,694	0	0.0%
53.1%	7,578	7,679	102	1.3%
54.3%	7,573	7,663	90	1.2%
55.6%	7,568	7,641	73	1.0%
56.8%	7,442	7,581	139	1.9%
58.0%	7,399	7,462	63	0.9%
59.3%	7,359	7,399	40	0.5%
60.5%	7,348	7,381	33	0.5%
61.7%	7,327	7,338	10	0.1%
63.0%	7,189	7,215	25	0.4%
64.2%	7,132	7,193	61	0.9%
65.4%	7,123	7,132	9	0.1%
66.7%	7,101	7,123	21	0.3%
67.9%	7,088	7,068	-20	-0.3%
69.1%	7,049	7,049	0	0.0%
70.4%	6,987	6,984	-2	0.0%
71.6%	6,954	6,935	-20	-0.3%
72.8%	6,846	6,839	-6	-0.1%
74.1%	6,792	6,835	43	0.6%
75.3%	6,754	6,823	69	1.0%
76.5%	6,726	6,822	96	1.4%
77.8%	6,700	6,748	48	0.7%
79.0%	6,693	6,726	33	0.5%
80.2%	6,475	6,693	218	3.4%
81.5%	6,225	6,681	456	7.3%
82.7%	6,089	6,448	358	5.9%
84.0%	6,048	6,444	396	6.5%
85.2%	6,025	6,396	370	6.1%
86.4%	5,987	6,235	248	4.1%
87.7%	5,967	6,025	58	1.0%
88.9%	5,894	5,910	16	0.3%
90.1%	5,722	5,894	172	3.0%
91.4%	5,620	5,834	214	3.8%
92.6%	5,325	5,727	402	7.5%
93.8%	5,206	5,534	328	6.3%
95.1%	5,199	5,465	266	5.1%
96.3%	5,179	5,189	10	0.2%
97.5%	5,073	4,989	-85	-1.7%
98.8%	3,626	4,005	380	10.5%
100.0%	3,393	3,351	-43	-1.3%

Table SW-26-5b
Folsom Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,449	8,458	9	0.1%
16.0%	8,449	8,458	9	0.1%
17.3%	8,446	8,458	13	0.2%
18.5%	8,433	8,458	26	0.3%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,449	37	0.4%
22.2%	8,394	8,446	52	0.6%
23.5%	8,376	8,433	57	0.7%
24.7%	8,376	8,431	55	0.7%
25.9%	8,375	8,412	37	0.4%
27.2%	8,348	8,394	46	0.6%
28.4%	8,348	8,376	28	0.3%
29.6%	8,348	8,376	28	0.3%
30.9%	8,348	8,348	0	0.0%
32.1%	8,339	8,348	9	0.1%
33.3%	8,339	8,348	9	0.1%
34.6%	8,320	8,348	28	0.3%
35.8%	8,312	8,339	27	0.3%
37.0%	8,311	8,339	28	0.3%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,320	37	0.4%
40.7%	8,283	8,311	28	0.3%
42.0%	8,274	8,311	37	0.4%
43.2%	8,265	8,283	18	0.2%
44.4%	8,210	8,283	74	0.9%
45.7%	8,168	8,274	106	1.3%
46.9%	8,164	8,265	101	1.2%
48.1%	8,069	8,210	141	1.7%
49.4%	8,007	8,164	157	2.0%
50.6%	7,995	8,157	162	2.0%
51.9%	7,989	8,046	58	0.7%
53.1%	7,970	8,007	37	0.5%
54.3%	7,893	7,989	95	1.2%
55.6%	7,890	7,975	85	1.1%
56.8%	7,807	7,972	165	2.1%
58.0%	7,702	7,970	268	3.5%
59.3%	7,681	7,894	213	2.8%
60.5%	7,620	7,718	98	1.3%
61.7%	7,620	7,660	40	0.5%
63.0%	7,565	7,642	77	1.0%
64.2%	7,497	7,642	145	1.9%
65.4%	7,313	7,620	307	4.2%
66.7%	7,240	7,620	380	5.3%
67.9%	7,188	7,565	377	5.2%
69.1%	7,169	7,472	303	4.2%
70.4%	7,120	7,318	198	2.8%
71.6%	7,113	7,140	27	0.4%
72.8%	7,113	7,113	0	0.0%
74.1%	7,095	7,113	18	0.3%
75.3%	7,095	7,110	15	0.2%
76.5%	7,006	7,095	89	1.3%
77.8%	6,996	7,079	83	1.2%
79.0%	6,994	7,034	40	0.6%
80.2%	6,962	6,993	32	0.5%
81.5%	6,957	6,972	15	0.2%
82.7%	6,920	6,957	37	0.5%
84.0%	6,883	6,920	37	0.5%
85.2%	6,846	6,883	37	0.5%
86.4%	6,844	6,849	5	0.1%
87.7%	6,719	6,724	5	0.1%
88.9%	6,521	6,647	126	1.9%
90.1%	6,395	6,508	113	1.8%
91.4%	6,343	6,395	52	0.8%
92.6%	6,324	6,324	0	0.0%
93.8%	6,288	6,288	0	0.0%
95.1%	5,560	5,813	254	4.6%
96.3%	5,451	5,318	-133	-2.4%
97.5%	4,808	4,553	-255	-5.3%
98.8%	3,124	3,497	373	11.9%
100.0%	2,794	2,726	-68	-2.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,380	9,380	0	0.0%
1.2%	9,380	9,380	0	0.0%
2.5%	9,380	9,380	0	0.0%
3.7%	9,380	9,380	0	0.0%
4.9%	9,361	9,361	0	0.0%
6.2%	9,361	9,361	0	0.0%
7.4%	9,361	9,361	0	0.0%
8.6%	9,352	9,352	0	0.0%
9.9%	9,352	9,352	0	0.0%
11.1%	9,334	9,334	0	0.0%
12.3%	9,325	9,325	0	0.0%
13.6%	9,325	9,325	0	0.0%
14.8%	9,315	9,315	0	0.0%
16.0%	9,315	9,315	0	0.0%
17.3%	9,306	9,306	0	0.0%
18.5%	9,306	9,306	0	0.0%
19.8%	9,306	9,306	0	0.0%
21.0%	9,306	9,306	0	0.0%
22.2%	9,306	9,297	-9	-0.1%
23.5%	9,297	9,278	-18	-0.2%
24.7%	9,278	9,278	0	0.0%
25.9%	9,278	9,260	-18	-0.2%
27.2%	9,260	9,260	0	0.0%
28.4%	9,260	9,251	-9	-0.1%
29.6%	9,251	9,251	0	0.0%
30.9%	9,244	9,242	-2	0.0%
32.1%	9,242	9,232	-9	-0.1%
33.3%	9,232	9,223	-9	-0.1%
34.6%	9,223	9,214	-9	-0.1%
35.8%	9,214	9,205	-9	-0.1%
37.0%	9,205	9,205	0	0.0%
38.3%	9,205	9,177	-28	-0.3%
39.5%	9,177	9,168	-9	-0.1%
40.7%	9,149	9,149	0	0.0%
42.0%	9,147	9,122	-26	-0.3%
43.2%	9,122	9,122	0	0.0%
44.4%	9,122	9,113	-9	-0.1%
45.7%	9,122	9,103	-18	-0.2%
46.9%	9,113	9,096	-17	-0.2%
48.1%	9,103	9,051	-53	-0.6%
49.4%	9,030	9,030	0	0.0%
50.6%	9,023	9,028	5	0.1%
51.9%	9,002	9,024	22	0.2%
53.1%	9,002	9,008	6	0.1%
54.3%	8,989	9,002	13	0.1%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	8,986	39	0.4%
58.0%	8,947	8,956	9	0.1%
59.3%	8,919	8,947	28	0.3%
60.5%	8,891	8,947	55	0.6%
61.7%	8,882	8,945	63	0.7%
63.0%	8,843	8,919	76	0.9%
64.2%	8,827	8,891	64	0.7%
65.4%	8,826	8,882	57	0.6%
66.7%	8,801	8,827	26	0.3%
67.9%	8,689	8,826	137	1.6%
69.1%	8,615	8,788	173	2.0%
70.4%	8,597	8,708	111	1.3%
71.6%	8,580	8,689	109	1.3%
72.8%	8,378	8,619	241	2.9%
74.1%	8,354	8,615	261	3.1%
75.3%	8,328	8,597	269	3.2%
76.5%	8,263	8,407	144	1.7%
77.8%	8,238	8,354	116	1.4%
79.0%	8,151	8,328	177	2.2%
80.2%	8,069	8,268	199	2.5%
81.5%	7,953	8,238	285	3.6%
82.7%	7,948	8,191	242	3.0%
84.0%	7,947	8,148	201	2.5%
85.2%	7,880	8,043	163	2.1%
86.4%	7,695	7,850	155	2.0%
87.7%	7,492	7,666	174	2.3%
88.9%	7,436	7,651	215	2.9%
90.1%	7,359	7,260	-99	-1.3%
91.4%	7,105	7,128	24	0.3%
92.6%	6,901	6,959	58	0.8%
93.8%	6,893	6,461	-432	-6.3%
95.1%	6,181	6,364	183	3.0%
96.3%	6,022	5,964	-58	-1.0%
97.5%	5,951	5,815	-136	-2.3%
98.8%	5,466	5,278	-188	-3.4%
100.0%	3,068	3,441	373	12.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,132	10,132	0	0.0%
27.2%	10,132	10,132	0	0.0%
28.4%	10,132	10,132	0	0.0%
29.6%	10,132	10,132	0	0.0%
30.9%	10,132	10,132	0	0.0%
32.1%	10,132	10,132	0	0.0%
33.3%	10,132	10,132	0	0.0%
34.6%	10,132	10,132	0	0.0%
35.8%	10,132	10,132	0	0.0%
37.0%	10,132	10,132	0	0.0%
38.3%	10,132	10,132	0	0.0%
39.5%	10,132	10,132	0	0.0%
40.7%	10,132	10,132	0	0.0%
42.0%	10,132	10,132	0	0.0%
43.2%	10,132	10,132	0	0.0%
44.4%	10,132	10,132	0	0.0%
45.7%	10,132	10,132	0	0.0%
46.9%	10,132	10,132	0	0.0%
48.1%	10,132	10,132	0	0.0%
49.4%	10,132	10,132	0	0.0%
50.6%	10,132	10,132	0	0.0%
51.9%	10,132	10,132	0	0.0%
53.1%	10,132	10,132	0	0.0%
54.3%	10,132	10,132	0	0.0%
55.6%	10,132	10,132	0	0.0%
56.8%	10,132	10,132	0	0.0%
58.0%	10,132	10,132	0	0.0%
59.3%	10,132	10,132	0	0.0%
60.5%	10,132	10,132	0	0.0%
61.7%	10,132	10,132	0	0.0%
63.0%	10,132	10,131	-1	0.0%
64.2%	10,081	10,122	41	0.4%
65.4%	10,045	10,045	0	0.0%
66.7%	9,928	10,009	81	0.8%
67.9%	9,877	9,926	49	0.5%
69.1%	9,814	9,811	-3	0.0%
70.4%	9,807	9,802	-5	0.0%
71.6%	9,802	9,767	-35	-0.4%
72.8%	9,645	9,690	45	0.5%
74.1%	9,607	9,640	32	0.3%
75.3%	9,568	9,613	45	0.5%
76.5%	9,441	9,435	-6	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,394	563	6.4%
80.2%	8,754	8,902	148	1.7%
81.5%	8,665	8,855	190	2.2%
82.7%	8,654	8,831	177	2.0%
84.0%	8,482	8,734	252	3.0%
85.2%	8,431	8,657	227	2.7%
86.4%	8,095	8,154	59	0.7%
87.7%	7,826	8,029	203	2.6%
88.9%	7,736	7,626	-110	-1.4%
90.1%	7,509	7,453	-56	-0.7%
91.4%	7,438	7,334	-104	-1.4%
92.6%	7,403	7,316	-87	-1.2%
93.8%	7,155	7,087	-68	-1.0%
95.1%	6,871	6,994	123	1.8%
96.3%	6,845	6,306	-539	-7.9%
97.5%	6,157	5,996	-160	-2.6%
98.8%	5,955	5,797	-157	-2.6%
100.0%	2,825	3,049	224	7.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,171	11,171	0	0.0%
45.7%	11,171	11,171	0	0.0%
46.9%	11,171	11,171	0	0.0%
48.1%	11,171	11,171	0	0.0%
49.4%	11,171	11,171	0	0.0%
50.6%	11,171	11,171	0	0.0%
51.9%	11,171	11,171	0	0.0%
53.1%	11,171	11,171	0	0.0%
54.3%	11,171	11,171	0	0.0%
55.6%	11,171	11,171	0	0.0%
56.8%	11,171	11,119	-52	-0.5%
58.0%	11,171	11,082	-90	-0.8%
59.3%	10,982	10,982	0	0.0%
60.5%	10,716	10,716	0	0.0%
61.7%	10,687	10,683	-4	0.0%
63.0%	10,470	10,478	8	0.1%
64.2%	10,453	10,462	9	0.1%
65.4%	10,349	10,431	82	0.8%
66.7%	10,309	10,318	10	0.1%
67.9%	10,259	10,288	29	0.3%
69.1%	10,252	10,286	35	0.3%
70.4%	10,208	10,216	8	0.1%
71.6%	10,129	10,163	34	0.3%
72.8%	9,955	10,117	162	1.6%
74.1%	9,845	9,845	0	0.0%
75.3%	9,734	9,811	77	0.8%
76.5%	9,717	9,745	27	0.3%
77.8%	9,674	9,685	10	0.1%
79.0%	9,588	9,595	7	0.1%
80.2%	9,404	9,588	184	2.0%
81.5%	9,137	9,278	141	1.5%
82.7%	9,036	9,222	186	2.1%
84.0%	8,758	8,690	-68	-0.8%
85.2%	8,322	8,253	-69	-0.8%
86.4%	8,205	8,196	-9	-0.1%
87.7%	8,078	8,187	109	1.4%
88.9%	7,968	8,174	205	2.6%
90.1%	7,851	8,019	168	2.1%
91.4%	7,842	7,674	-168	-2.1%
92.6%	7,433	7,657	224	3.0%
93.8%	7,315	7,480	165	2.3%
95.1%	7,183	7,060	-123	-1.7%
96.3%	6,784	6,234	-550	-8.1%
97.5%	6,130	5,951	-179	-2.9%
98.8%	5,984	4,450	-1,534	-25.6%
100.0%	2,957	2,941	-15	-0.5%

Table SW-26-5b
Folsom Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,167	-4	0.0%
44.4%	11,170	11,166	-3	0.0%
45.7%	11,170	11,162	-7	-0.1%
46.9%	11,168	11,134	-34	-0.3%
48.1%	11,162	11,110	-53	-0.5%
49.4%	11,133	11,077	-56	-0.5%
50.6%	11,104	11,067	-37	-0.3%
51.9%	11,081	11,042	-38	-0.3%
53.1%	11,067	10,993	-74	-0.7%
54.3%	10,947	10,947	0	0.0%
55.6%	10,808	10,815	7	0.1%
56.8%	10,697	10,744	47	0.4%
58.0%	10,639	10,586	-52	-0.5%
59.3%	10,398	10,462	64	0.6%
60.5%	10,297	10,398	101	1.0%
61.7%	10,293	10,282	-11	-0.1%
63.0%	10,269	10,262	-6	-0.1%
64.2%	10,119	10,199	80	0.8%
65.4%	9,962	10,173	211	2.1%
66.7%	9,929	10,101	172	1.7%
67.9%	9,748	10,089	341	3.5%
69.1%	9,735	9,788	52	0.5%
70.4%	9,692	9,554	-138	-1.4%
71.6%	9,554	9,530	-24	-0.3%
72.8%	9,412	9,518	106	1.1%
74.1%	9,389	9,473	83	0.9%
75.3%	9,308	9,364	56	0.6%
76.5%	9,253	9,303	51	0.5%
77.8%	8,951	9,202	251	2.8%
79.0%	8,822	8,849	27	0.3%
80.2%	8,762	8,831	69	0.8%
81.5%	8,691	8,635	-56	-0.6%
82.7%	8,639	8,488	-152	-1.8%
84.0%	8,471	8,336	-135	-1.6%
85.2%	7,993	8,096	103	1.3%
86.4%	7,928	7,724	-204	-2.6%
87.7%	7,834	7,712	-121	-1.5%
88.9%	7,469	7,708	239	3.2%
90.1%	7,412	7,507	94	1.3%
91.4%	7,315	7,307	-9	-0.1%
92.6%	7,059	7,299	240	3.4%
93.8%	6,540	7,216	675	10.3%
95.1%	6,523	6,947	425	6.5%
96.3%	6,148	6,138	-11	-0.2%
97.5%	5,824	6,100	277	4.7%
98.8%	4,142	4,377	235	5.7%
100.0%	2,522	2,412	-109	-4.3%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,023	11,023	0	0.0%
1.2%	11,023	11,023	0	0.0%
2.5%	11,023	11,023	0	0.0%
3.7%	11,023	11,023	0	0.0%
4.9%	11,023	11,023	0	0.0%
6.2%	11,023	11,023	0	0.0%
7.4%	11,023	11,023	0	0.0%
8.6%	11,023	11,023	0	0.0%
9.9%	11,023	11,023	0	0.0%
11.1%	11,023	11,023	0	0.0%
12.3%	11,023	11,023	0	0.0%
13.6%	11,023	10,899	-124	-1.1%
14.8%	11,023	10,870	-153	-1.4%
16.0%	11,023	10,867	-156	-1.4%
17.3%	10,920	10,841	-79	-0.7%
18.5%	10,868	10,841	-27	-0.2%
19.8%	10,801	10,841	40	0.4%
21.0%	10,773	10,835	62	0.6%
22.2%	10,641	10,834	193	1.8%
23.5%	10,571	10,812	241	2.3%
24.7%	10,552	10,799	248	2.3%
25.9%	10,512	10,618	106	1.0%
27.2%	10,401	10,617	216	2.1%
28.4%	10,145	10,390	245	2.4%
29.6%	10,115	10,374	260	2.6%
30.9%	10,100	10,244	143	1.4%
32.1%	10,097	10,135	37	0.4%
33.3%	10,082	10,132	50	0.5%
34.6%	10,058	10,097	39	0.4%
35.8%	10,026	10,092	66	0.7%
37.0%	10,014	10,089	75	0.8%
38.3%	9,961	10,082	121	1.2%
39.5%	9,949	10,062	114	1.1%
40.7%	9,914	10,049	135	1.4%
42.0%	9,897	9,942	45	0.5%
43.2%	9,889	9,897	8	0.1%
44.4%	9,825	9,893	68	0.7%
45.7%	9,817	9,866	49	0.5%
46.9%	9,812	9,858	46	0.5%
48.1%	9,757	9,812	55	0.6%
49.4%	9,734	9,762	28	0.3%
50.6%	9,723	9,758	35	0.4%
51.9%	9,556	9,749	193	2.0%
53.1%	9,535	9,718	183	1.9%
54.3%	9,411	9,565	154	1.6%
55.6%	9,410	9,544	134	1.4%
56.8%	9,322	9,535	213	2.3%
58.0%	9,270	9,335	66	0.7%
59.3%	9,016	9,288	272	3.0%
60.5%	8,689	8,999	311	3.6%
61.7%	8,580	8,991	411	4.8%
63.0%	8,422	8,977	555	6.6%
64.2%	8,389	8,861	471	5.6%
65.4%	8,153	8,702	550	6.7%
66.7%	8,125	8,558	433	5.3%
67.9%	8,059	8,272	213	2.6%
69.1%	7,941	8,201	260	3.3%
70.4%	7,850	8,174	323	4.1%
71.6%	7,816	8,040	224	2.9%
72.8%	7,744	8,040	295	3.8%
74.1%	7,629	8,000	371	4.9%
75.3%	7,622	7,965	343	4.5%
76.5%	7,551	7,916	365	4.8%
77.8%	7,456	7,734	278	3.7%
79.0%	7,249	7,635	386	5.3%
80.2%	7,211	7,631	420	5.8%
81.5%	7,193	7,556	363	5.0%
82.7%	7,001	7,220	219	3.1%
84.0%	6,980	7,185	205	2.9%
85.2%	6,745	7,130	385	5.7%
86.4%	6,689	7,065	376	5.6%
87.7%	6,681	7,039	358	5.4%
88.9%	6,633	6,744	111	1.7%
90.1%	6,301	6,691	390	6.2%
91.4%	6,213	6,682	469	7.5%
92.6%	6,077	6,557	480	7.9%
93.8%	5,943	6,374	432	7.3%
95.1%	5,941	5,958	16	0.3%
96.3%	5,906	5,675	-231	-3.9%
97.5%	4,288	5,170	882	20.6%
98.8%	3,380	3,861	481	14.2%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,050	-82	-0.8%
24.7%	10,132	10,047	-84	-0.8%
25.9%	10,078	9,902	-176	-1.7%
27.2%	10,016	9,891	-126	-1.3%
28.4%	9,925	9,832	-94	-0.9%
29.6%	9,784	9,817	33	0.3%
30.9%	9,781	9,786	5	0.0%
32.1%	9,772	9,783	11	0.1%
33.3%	9,762	9,750	-12	-0.1%
34.6%	9,653	9,735	82	0.8%
35.8%	9,622	9,656	34	0.4%
37.0%	9,573	9,645	72	0.7%
38.3%	9,543	9,625	81	0.9%
39.5%	9,535	9,549	14	0.1%
40.7%	9,516	9,482	-34	-0.4%
42.0%	9,467	9,470	3	0.0%
43.2%	9,241	9,325	84	0.9%
44.4%	9,211	9,303	92	1.0%
45.7%	9,053	9,301	248	2.7%
46.9%	9,004	9,232	227	2.5%
48.1%	8,875	9,177	302	3.4%
49.4%	8,871	9,102	231	2.6%
50.6%	8,859	9,035	176	2.0%
51.9%	8,852	8,975	123	1.4%
53.1%	8,759	8,873	114	1.3%
54.3%	8,713	8,722	9	0.1%
55.6%	8,451	8,689	238	2.8%
56.8%	8,441	8,689	248	2.9%
58.0%	8,336	8,689	353	4.2%
59.3%	8,282	8,689	407	4.9%
60.5%	8,160	8,689	529	6.5%
61.7%	8,022	8,647	626	7.8%
63.0%	7,981	8,474	493	6.2%
64.2%	7,928	8,307	379	4.8%
65.4%	7,529	8,255	726	9.6%
66.7%	7,509	7,964	455	6.1%
67.9%	7,505	7,839	334	4.4%
69.1%	7,323	7,750	428	5.8%
70.4%	7,179	7,542	363	5.1%
71.6%	7,087	7,448	360	5.1%
72.8%	6,985	7,293	308	4.4%
74.1%	6,957	7,233	276	4.0%
75.3%	6,929	7,208	279	4.0%
76.5%	6,858	7,203	345	5.0%
77.8%	6,725	7,189	465	6.9%
79.0%	6,658	7,113	455	6.8%
80.2%	6,617	6,995	378	5.7%
81.5%	6,570	6,668	98	1.5%
82.7%	6,542	6,420	-122	-1.9%
84.0%	6,465	6,399	-66	-1.0%
85.2%	6,420	6,396	-24	-0.4%
86.4%	6,116	6,310	194	3.2%
87.7%	6,049	6,271	223	3.7%
88.9%	5,974	6,216	242	4.0%
90.1%	5,917	6,002	85	1.4%
91.4%	5,905	5,931	26	0.4%
92.6%	5,837	5,855	19	0.3%
93.8%	5,478	5,747	269	4.9%
95.1%	5,284	5,683	400	7.6%
96.3%	5,115	5,398	284	5.5%
97.5%	2,389	4,253	1,863	78.0%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,149	9,149	0	0.0%
1.2%	9,149	9,149	0	0.0%
2.5%	9,149	9,149	0	0.0%
3.7%	9,149	9,149	0	0.0%
4.9%	9,149	9,149	0	0.0%
6.2%	9,149	9,149	0	0.0%
7.4%	9,149	9,149	0	0.0%
8.6%	9,149	9,149	0	0.0%
9.9%	9,149	9,149	0	0.0%
11.1%	9,149	9,149	0	0.0%
12.3%	9,149	9,149	0	0.0%
13.6%	9,149	9,149	0	0.0%
14.8%	9,146	9,149	4	0.0%
16.0%	9,129	9,149	21	0.2%
17.3%	9,113	9,149	36	0.4%
18.5%	9,103	9,149	46	0.5%
19.8%	9,103	9,149	46	0.5%
21.0%	9,098	9,149	51	0.6%
22.2%	9,095	9,149	54	0.6%
23.5%	9,041	9,149	109	1.2%
24.7%	9,040	9,149	110	1.2%
25.9%	9,032	9,149	118	1.3%
27.2%	8,996	9,149	153	1.7%
28.4%	8,966	9,103	137	1.5%
29.6%	8,958	9,088	130	1.5%
30.9%	8,924	8,971	48	0.5%
32.1%	8,785	8,953	168	1.9%
33.3%	8,773	8,926	153	1.7%
34.6%	8,762	8,829	67	0.8%
35.8%	8,687	8,812	126	1.4%
37.0%	8,621	8,809	187	2.2%
38.3%	8,610	8,735	125	1.5%
39.5%	8,583	8,689	106	1.2%
40.7%	8,548	8,689	141	1.6%
42.0%	8,542	8,689	146	1.7%
43.2%	8,539	8,689	149	1.7%
44.4%	8,454	8,656	202	2.4%
45.7%	8,382	8,545	163	1.9%
46.9%	8,277	8,527	250	3.0%
48.1%	8,205	8,511	307	3.7%
49.4%	8,107	8,500	393	4.9%
50.6%	8,107	8,487	380	4.7%
51.9%	8,100	8,486	387	4.8%
53.1%	8,084	8,458	375	4.6%
54.3%	8,023	8,453	430	5.4%
55.6%	7,955	8,442	487	6.1%
56.8%	7,935	8,405	469	5.9%
58.0%	7,752	8,211	459	5.9%
59.3%	7,714	8,191	477	6.2%
60.5%	7,690	8,048	358	4.7%
61.7%	7,604	7,974	370	4.9%
63.0%	7,291	7,733	442	6.1%
64.2%	7,189	7,656	468	6.5%
65.4%	7,029	7,586	557	7.9%
66.7%	6,990	7,508	519	7.4%
67.9%	6,988	7,318	331	4.7%
69.1%	6,836	7,255	419	6.1%
70.4%	6,802	7,248	446	6.6%
71.6%	6,730	7,109	379	5.6%
72.8%	6,684	6,989	305	4.6%
74.1%	6,639	6,956	317	4.8%
75.3%	6,609	6,871	262	4.0%
76.5%	6,560	6,852	292	4.4%
77.8%	6,542	6,829	287	4.4%
79.0%	6,463	6,713	249	3.9%
80.2%	6,450	6,453	4	0.1%
81.5%	6,402	6,426	24	0.4%
82.7%	6,375	6,395	20	0.3%
84.0%	6,260	6,314	54	0.9%
85.2%	6,124	6,291	167	2.7%
86.4%	5,988	6,150	162	2.7%
87.7%	5,801	6,031	230	4.0%
88.9%	5,691	6,026	334	5.9%
90.1%	5,535	5,866	332	6.0%
91.4%	5,472	5,692	219	4.0%
92.6%	5,437	5,526	89	1.6%
93.8%	5,158	5,476	318	6.2%
95.1%	4,921	5,430	509	10.3%
96.3%	2,842	5,165	2,323	81.8%
97.5%	2,091	3,628	1,538	73.5%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Table SW-27-5a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,498	2,745	3,268	4,368	5,068	3,686	3,255	3,461	3,526	3,640	2,501	2,679
Alternative B	1,604	2,772	3,335	4,429	5,055	3,724	3,291	3,495	3,461	3,375	2,574	2,559
Difference	106	27	67	61	-13	38	36	34	-64	-265	73	-120
Percent Difference[3]	7.1%	1.0%	2.1%	1.4%	-0.2%	1.0%	1.1%	1.0%	-1.8%	-7.3%	2.9%	-4.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,634	3,901	3,618	8,626	9,123	6,055	5,197	5,968	5,780	3,898	3,267	4,293
Alternative B	1,835	3,934	3,639	8,694	9,125	6,054	5,197	5,968	5,778	3,784	3,374	3,962
Difference	201	33	21	68	2	-1	0	0	-2	-114	107	-331
Percent Difference	12.3%	0.8%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.9%	3.3%	-7.7%
Above Normal (15%)												
No Action Alternative	1,525	2,743	2,900	4,521	6,203	5,332	3,454	3,649	3,255	4,415	2,632	3,088
Alternative B	1,524	2,727	3,012	4,599	6,213	5,346	3,455	3,649	3,269	4,269	2,678	2,918
Difference	-1	-16	112	79	9	14	1	0	13	-146	46	-169
Percent Difference	-0.1%	-0.6%	3.9%	1.7%	0.2%	0.3%	0.0%	0.0%	0.4%	-3.3%	1.8%	-5.5%
Below Normal (17%)												
No Action Alternative	1,649	3,356	3,983	2,273	4,139	2,387	2,972	2,799	2,637	4,835	2,397	2,060
Alternative B	1,694	3,410	4,020	2,362	3,994	2,388	3,059	2,859	2,653	4,132	2,620	2,274
Difference	45	54	38	89	-144	2	87	60	16	-703	223	214
Percent Difference	2.7%	1.6%	0.9%	3.9%	-3.5%	0.1%	2.9%	2.2%	0.6%	-14.5%	9.3%	10.4%
Dry (22%)												
No Action Alternative	1,439	1,771	4,027	1,709	1,773	2,010	1,907	1,715	2,372	3,254	2,308	1,593
Alternative B	1,486	1,843	4,208	1,640	1,817	2,151	1,856	1,753	2,275	2,929	2,239	1,597
Difference	47	72	181	-69	44	141	-50	38	-96	-324	-69	3
Percent Difference	3.3%	4.0%	4.5%	-4.0%	2.5%	7.0%	-2.6%	2.2%	-4.1%	-10.0%	-3.0%	0.2%
Critical (15%)												
No Action Alternative	1,089	990	906	1,423	1,175	939	1,197	1,234	1,679	1,493	1,118	1,123
Alternative B	1,254	953	891	1,615	1,178	969	1,416	1,340	1,355	1,383	1,183	937
Difference	165	-37	-15	193	2	30	218	106	-324	-110	66	-185
Percent Difference	15.2%	-3.8%	-1.6%	13.5%	0.2%	3.2%	18.2%	8.6%	-19.3%	-7.4%	5.9%	-16.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-27-5b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

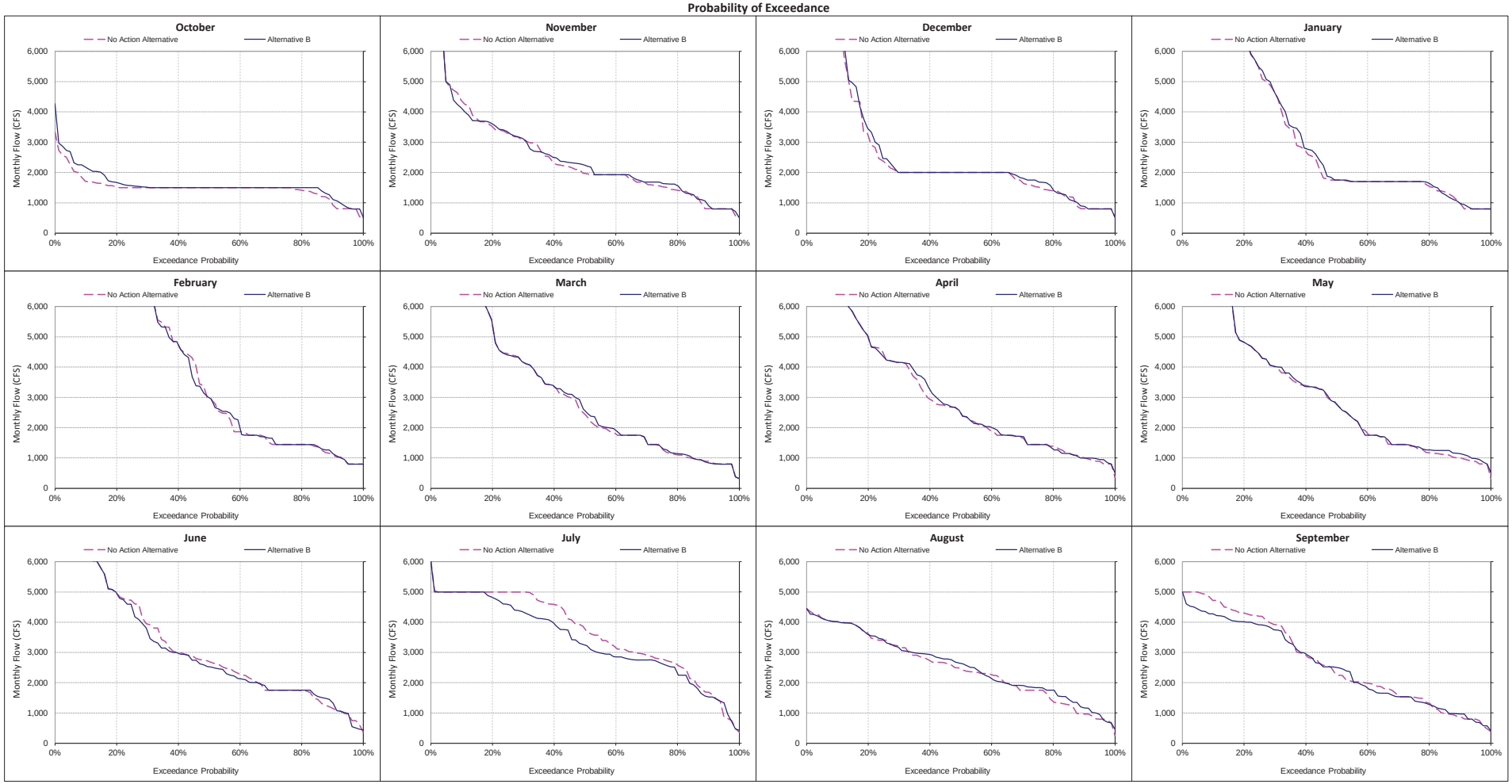

Table SW-27-5b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	4,273	936	28.0%
1.2%	2,727	2,973	246	9.0%
2.5%	2,572	2,866	294	11.4%
3.7%	2,503	2,728	225	9.0%
4.9%	2,265	2,689	424	18.7%
6.2%	2,035	2,324	289	14.2%
7.4%	1,999	2,250	251	12.6%
8.6%	1,841	2,250	409	22.2%
9.9%	1,712	2,176	464	27.1%
11.1%	1,690	2,106	416	24.6%
12.3%	1,687	2,039	352	20.9%
13.6%	1,654	2,035	381	23.1%
14.8%	1,640	2,011	371	22.6%
16.0%	1,597	1,908	311	19.4%
17.3%	1,567	1,728	161	10.3%
18.5%	1,563	1,694	131	8.4%
19.8%	1,534	1,676	142	9.2%
21.0%	1,500	1,642	142	9.5%
22.2%	1,500	1,602	102	6.8%
23.5%	1,500	1,576	76	5.1%
24.7%	1,500	1,570	70	4.6%
25.9%	1,500	1,554	54	3.6%
27.2%	1,500	1,543	43	2.9%
28.4%	1,500	1,525	25	1.6%
29.6%	1,500	1,519	19	1.2%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,442	1,500	58	4.0%
79.0%	1,428	1,500	72	5.0%
80.2%	1,409	1,500	91	6.5%
81.5%	1,388	1,500	112	8.1%
82.7%	1,371	1,500	129	9.4%
84.0%	1,318	1,500	182	13.8%
85.2%	1,286	1,500	214	16.6%
86.4%	1,205	1,391	186	15.5%
87.7%	1,196	1,315	119	10.0%
88.9%	1,119	1,265	146	13.1%
90.1%	918	1,102	184	20.0%
91.4%	800	1,060	260	32.6%
92.6%	800	992	192	23.9%
93.8%	800	901	101	12.6%
95.1%	800	834	34	4.2%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	537	800	263	49.0%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	17,198	-55	-0.3%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	6,693	-102	-1.5%
4.9%	5,000	5,000	0	0.0%
6.2%	4,822	4,901	79	1.6%
7.4%	4,716	4,387	-329	-7.0%
8.6%	4,634	4,247	-387	-8.4%
9.9%	4,380	4,137	-242	-5.5%
11.1%	4,248	3,998	-250	-5.9%
12.3%	4,205	3,886	-319	-7.6%
13.6%	3,886	3,713	-174	-4.5%
14.8%	3,786	3,709	-77	-2.0%
16.0%	3,680	3,696	16	0.4%
17.3%	3,676	3,691	15	0.4%
18.5%	3,621	3,681	60	1.7%
19.8%	3,532	3,622	90	2.5%
21.0%	3,407	3,532	125	3.7%
22.2%	3,407	3,428	22	0.6%
23.5%	3,378	3,409	31	0.9%
24.7%	3,306	3,357	51	1.5%
25.9%	3,250	3,266	16	0.5%
27.2%	3,186	3,209	23	0.7%
28.4%	3,177	3,171	-6	-0.2%
29.6%	3,058	3,133	75	2.4%
30.9%	3,045	3,047	2	0.1%
32.1%	2,980	2,783	-197	-6.6%
33.3%	2,974	2,710	-264	-8.9%
34.6%	2,908	2,685	-223	-7.7%
35.8%	2,685	2,685	0	0.0%
37.0%	2,544	2,626	82	3.2%
38.3%	2,521	2,585	65	2.6%
39.5%	2,364	2,502	138	5.9%
40.7%	2,261	2,479	218	9.6%
42.0%	2,246	2,368	123	5.5%
43.2%	2,216	2,362	146	6.6%
44.4%	2,206	2,327	121	5.5%
45.7%	2,163	2,321	159	7.3%
46.9%	2,100	2,312	212	10.1%
48.1%	2,098	2,284	186	8.9%
49.4%	1,979	2,258	279	14.1%
50.6%	1,956	2,212	256	13.1%
51.9%	1,925	2,182	257	13.3%
53.1%	1,925	1,925	0	0.0%
54.3%	1,925	1,925	0	0.0%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,925	0	0.0%
60.5%	1,925	1,925	0	0.0%
61.7%	1,925	1,925	0	0.0%
63.0%	1,925	1,925	0	0.0%
64.2%	1,815	1,925	110	6.1%
65.4%	1,773	1,838	65	3.7%
66.7%	1,683	1,769	85	5.1%
67.9%	1,683	1,731	48	2.8%
69.1%	1,683	1,683	0	0.0%
70.4%	1,597	1,683	87	5.4%
71.6%	1,589	1,683	94	5.9%
72.8%	1,570	1,683	113	7.2%
74.1%	1,561	1,683	122	7.8%
75.3%	1,523	1,634	111	7.3%
76.5%	1,511	1,629	118	7.8%
77.8%	1,442	1,617	175	12.1%
79.0%	1,428	1,614	186	13.0%
80.2%	1,409	1,553	144	10.2%
81.5%	1,388	1,391	4	0.3%
82.7%	1,371	1,315	-56	-4.1%
84.0%	1,286	1,296	11	0.8%
85.2%	1,205	1,265	60	5.0%
86.4%	1,196	1,125	-71	-5.9%
87.7%	985	1,102	117	11.9%
88.9%	800	1,060	260	32.6%
90.1%	800	901	101	12.6%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	567	714	148	26.1%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	19,748	-58	-0.3%
1.2%	16,694	16,694	0	0.0%
2.5%	15,826	16,518	692	4.4%
3.7%	15,819	15,819	0	0.0%
4.9%	13,854	13,849	-5	0.0%
6.2%	12,876	12,514	-362	-2.8%
7.4%	9,069	9,069	0	0.0%
8.6%	8,809	8,798	-11	-0.1%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,653	0	0.0%
12.3%	5,722	6,086	363	6.3%
13.6%	5,079	5,051	-28	-0.5%
14.8%	4,368	4,957	589	13.5%
16.0%	4,345	4,825	480	11.0%
17.3%	4,340	4,164	-176	-4.0%
18.5%	3,325	3,761	436	13.1%
19.8%	3,291	3,460	169	5.1%
21.0%	2,909	3,324	415	14.3%
22.2%	2,828	2,998	170	6.0%
23.5%	2,466	2,909	443	17.9%
24.7%	2,388	2,466	79	3.3%
25.9%	2,287	2,455	168	7.4%
27.2%	2,156	2,304	147	6.8%
28.4%	2,091	2,149	59	2.8%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,886	1,952	65	3.5%
67.9%	1,750	1,910	160	9.2%
69.1%	1,750	1,838	88	5.0%
70.4%	1,632	1,799	168	10.3%
71.6%	1,595	1,750	155	9.7%
72.8%	1,583	1,750	167	10.5%
74.1%	1,532	1,750	218	14.3%
75.3%	1,515	1,683	168	11.1%
76.5%	1,442	1,676	233	16.2%
77.8%	1,428	1,660	232	16.2%
79.0%	1,409	1,572	163	11.6%
80.2%	1,388	1,391	4	0.3%
81.5%	1,371	1,315	-56	-4.1%
82.7%	1,286	1,296	11	0.8%
84.0%	1,205	1,265	60	5.0%
85.2%	1,196	1,102	-94	-7.8%
86.4%	1,184	1,060	-124	-10.4%
87.7%	884	1,015	130	14.8%
88.9%	800	901	101	12.6%
90.1%	800	884	84	10.5%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	519	517	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	31,335	0	0.0%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,679	0	0.0%
3.7%	15,659	15,757	98	0.6%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,541	118	1.1%
11.1%	10,105	10,105	0	0.0%
12.3%	9,283	9,280	-3	0.0%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,883	-5	-0.1%
17.3%	7,553	7,553	0	0.0%
18.5%	6,772	6,748	-24	-0.4%
19.8%	6,713	6,664	-49	-0.7%
21.0%	6,262	6,262	0	0.0%
22.2%	5,887	5,914	27	0.5%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,483	0	0.0%
25.9%	5,086	5,362	277	5.4%
27.2%	5,013	5,075	62	1.2%
28.4%	4,879	5,000	121	2.5%
29.6%	4,702	4,695	-7	-0.2%
30.9%	4,454	4,454	0	0.0%
32.1%	4,017	4,212	195	4.9%
33.3%	3,589	4,015	427	11.9%
34.6%	3,465	3,567	102	2.9%
35.8%	3,450	3,493	43	1.2%
37.0%	2,889	3,456	567	19.6%
38.3%	2,849	3,284	435	15.3%
39.5%	2,764	2,809	45	1.6%
40.7%	2,590	2,764	174	6.7%
42.0%	2,538	2,732	194	7.6%
43.2%	2,441	2,601	160	6.6%
44.4%	2,099	2,402	302	14.4%
45.7%	1,818	2,238	420	23.1%
46.9%	1,780	1,880	100	5.6%
48.1%	1,750	1,846	96	5.5%
49.4%	1,750	1,750	0	0.0%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,721	21	1.2%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,683	79	5.0%
80.2%	1,532	1,624	92	6.0%
81.5%	1,488	1,529	42	2.8%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,336	-51	-3.7%
85.2%	1,356	1,265	-91	-6.7%
86.4%	1,288	1,183	-105	-8.2%
87.7%	1,214	1,118	-96	-7.9%
88.9%	1,093	1,060	-33	-3.0%
90.1%	972	971	-1	-0.1%
91.4%	800	937	137	17.1%
92.6%	800	863	63	7.8%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-27-5b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,176	-7	0.0%
1.2%	15,713	15,708	-6	0.0%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,482	15	0.1%
4.9%	13,432	13,434	2	0.0%
6.2%	13,208	13,208	0	0.0%
7.4%	12,504	12,437	-68	-0.5%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,427	-2	0.0%
11.1%	11,154	11,154	0	0.0%
12.3%	10,888	10,888	0	0.0%
13.6%	10,509	10,509	0	0.0%
14.8%	10,034	10,030	-4	0.0%
16.0%	9,949	9,949	0	0.0%
17.3%	9,690	9,690	0	0.0%
18.5%	9,477	9,477	0	0.0%
19.8%	9,309	9,305	-4	0.0%
21.0%	8,067	8,067	0	0.0%
22.2%	7,930	7,931	1	0.0%
23.5%	7,769	7,700	-70	-0.9%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,121	-3	0.0%
27.2%	6,827	6,635	-192	-2.8%
28.4%	6,483	6,483	0	0.0%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,100	0	0.0%
33.3%	5,552	5,485	-67	-1.2%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	4,980	-337	-6.3%
38.3%	4,844	4,851	7	0.1%
39.5%	4,835	4,845	10	0.2%
40.7%	4,593	4,593	0	0.0%
42.0%	4,471	4,416	-56	-1.2%
43.2%	4,416	4,316	-99	-2.2%
44.4%	4,316	3,680	-637	-14.8%
45.7%	4,063	3,383	-681	-16.8%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,147	-243	-7.2%
49.4%	3,005	3,020	15	0.5%
50.6%	2,927	2,951	24	0.8%
51.9%	2,802	2,668	-133	-4.8%
53.1%	2,548	2,615	67	2.6%
54.3%	2,476	2,536	60	2.4%
55.6%	2,471	2,535	64	2.6%
56.8%	2,260	2,478	218	9.6%
58.0%	1,869	2,304	436	23.3%
59.3%	1,864	2,260	396	21.2%
60.5%	1,863	1,769	-94	-5.1%
61.7%	1,822	1,750	-72	-3.9%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,700	-50	-2.9%
67.9%	1,700	1,697	-3	-0.2%
69.1%	1,521	1,663	142	9.3%
70.4%	1,445	1,648	203	14.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,388	1,445	57	4.1%
85.2%	1,363	1,380	17	1.3%
86.4%	1,264	1,300	36	2.8%
87.7%	1,179	1,265	86	7.3%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,136	41	3.7%
91.4%	1,033	1,060	28	2.7%
92.6%	1,032	1,005	-27	-2.6%
93.8%	929	950	21	2.3%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,598	20	0.1%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,069	76	0.6%
3.7%	11,925	11,993	67	0.6%
4.9%	11,784	11,925	141	1.2%
6.2%	10,972	10,972	0	0.0%
7.4%	10,571	10,586	15	0.1%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,411	612	7.8%
11.1%	7,677	7,677	0	0.0%
12.3%	7,243	7,243	0	0.0%
13.6%	6,620	6,620	0	0.0%
14.8%	6,390	6,390	0	0.0%
16.0%	6,154	6,154	0	0.0%
17.3%	6,122	6,122	0	0.0%
18.5%	5,855	5,855	0	0.0%
19.8%	5,555	5,561	6	0.1%
21.0%	4,798	4,798	0	0.0%
22.2%	4,554	4,554	0	0.0%
23.5%	4,467	4,467	0	0.0%
24.7%	4,458	4,403	-56	-1.3%
25.9%	4,407	4,381	-26	-0.6%
27.2%	4,379	4,336	-43	-1.0%
28.4%	4,336	4,329	-7	-0.2%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,069	-4	-0.1%
33.3%	3,946	3,926	-21	-0.5%
34.6%	3,725	3,725	0	0.0%
35.8%	3,649	3,649	0	0.0%
37.0%	3,442	3,442	0	0.0%
38.3%	3,429	3,429	0	0.0%
39.5%	3,399	3,399	0	0.0%
40.7%	3,295	3,295	0	0.0%
42.0%	3,101	3,285	184	5.9%
43.2%	3,100	3,167	67	2.2%
44.4%	3,022	3,105	83	2.8%
45.7%	2,979	3,099	120	4.0%
46.9%	2,932	2,987	54	1.9%
48.1%	2,618	2,932	314	12.0%
49.4%	2,500	2,626	126	5.0%
50.6%	2,377	2,488	110	4.6%
51.9%	2,190	2,377	187	8.5%
53.1%	2,085	2,365	280	13.4%
54.3%	2,010	2,087	77	3.8%
55.6%	1,996	2,033	37	1.8%
56.8%	1,969	2,010	41	2.1%
58.0%	1,872	1,992	120	6.4%
59.3%	1,854	1,969	115	6.2%
60.5%	1,750	1,872	122	7.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,742	1,750	8	0.5%
69.1%	1,700	1,700	0	0.0%
70.4%	1,460	1,445	-15	-1.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,417	-28	-1.9%
75.3%	1,264	1,300	36	2.8%
76.5%	1,179	1,264	85	7.2%
77.8%	1,143	1,171	28	2.5%
79.0%	1,123	1,156	33	2.9%
80.2%	1,098	1,136	37	3.4%
81.5%	1,095	1,129	35	3.2%
82.7%	1,032	1,110	78	7.5%
84.0%	1,001	1,062	62	6.2%
85.2%	979	981	3	0.3%
86.4%	958	950	-8	-0.8%
87.7%	929	937	7	0.8%
88.9%	895	868	-27	-3.0%
90.1%	884	836	-47	-5.4%
91.4%	838	816	-22	-2.6%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	380	380	0	0.0%
100.0%	317	317	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,403	14,403	0	0.0%
1.2%	10,186	10,186	0	0.0%
2.5%	8,463	8,463	0	0.0%
3.7%	7,712	7,712	0	0.0%
4.9%	7,526	7,526	0	0.0%
6.2%	6,983	6,983	0	0.0%
7.4%	6,728	6,737	9	0.1%
8.6%	6,683	6,683	0	0.0%
9.9%	6,561	6,561	0	0.0%
11.1%	6,327	6,327	0	0.0%
12.3%	6,325	6,325	0	0.0%
13.6%	5,990	5,991	1	0.0%
14.8%	5,835	5,835	0	0.0%
16.0%	5,594	5,594	0	0.0%
17.3%	5,400	5,400	0	0.0%
18.5%	5,201	5,201	0	0.0%
19.8%	5,050	5,049	-1	0.0%
21.0%	4,684	4,657	-27	-0.6%
22.2%	4,657	4,629	-28	-0.6%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,367	-140	-3.1%
25.9%	4,212	4,228	16	0.4%
27.2%	4,208	4,216	8	0.2%
28.4%	4,179	4,179	0	0.0%
29.6%	4,153	4,153	0	0.0%
30.9%	4,152	4,152	0	0.0%
32.1%	4,127	4,127	0	0.0%
33.3%	3,927	4,116	190	4.8%
34.6%	3,702	3,927	225	6.1%
35.8%	3,594	3,741	146	4.1%
37.0%	3,332	3,699	367	11.0%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,125	232	8.0%
42.0%	2,781	3,009	228	8.2%
43.2%	2,758	2,893	136	4.9%
44.4%	2,746	2,781	35	1.3%
45.7%	2,686	2,758	71	2.7%
46.9%	2,677	2,687	10	0.4%
48.1%	2,668	2,668	0	0.0%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,375	-5	-0.2%
51.9%	2,357	2,360	3	0.1%
53.1%	2,240	2,240	0	0.0%
54.3%	2,202	2,134	-68	-3.1%
55.6%	2,112	2,127	15	0.7%
56.8%	2,058	2,112	55	2.7%
58.0%	2,032	2,036	4	0.2%
59.3%	1,926	2,033	108	5.6%
60.5%	1,873	1,989	116	6.2%
61.7%	1,754	1,926	172	9.8%
63.0%	1,750	1,777	27	1.6%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,750	19	1.1%
67.9%	1,720	1,722	2	0.1%
69.1%	1,700	1,719	19	1.1%
70.4%	1,637	1,700	63	3.8%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,388	1,363	-24	-1.8%
80.2%	1,386	1,265	-121	-8.7%
81.5%	1,318	1,264	-53	-4.0%
82.7%	1,264	1,156	-108	-8.6%
84.0%	1,179	1,150	-29	-2.4%
85.2%	1,143	1,149	6	0.5%
86.4%	1,098	1,110	12	1.1%
87.7%	1,088	1,062	-26	-2.4%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	1,000	71	7.6%
93.8%	895	981	87	9.7%
95.1%	884	950	67	7.5%
96.3%	800	950	150	18.7%
97.5%	800	847	47	5.9%
98.8%	800	800	0	0.0%
100.0%	357	508	151	42.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,136	10	0.2%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,287	-3	-0.1%
27.2%	4,273	4,260	-13	-0.3%
28.4%	4,064	4,063	-1	0.0%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	4,006	48	1.2%
32.1%	3,810	3,992	183	4.8%
33.3%	3,805	3,810	5	0.1%
34.6%	3,665	3,805	141	3.8%
35.8%	3,550	3,665	115	3.2%
37.0%	3,473	3,550	77	2.2%
38.3%	3,415	3,473	58	1.7%
39.5%	3,399	3,371	-27	-0.8%
40.7%	3,371	3,354	-18	-0.5%
42.0%	3,354	3,350	-3	-0.1%
43.2%	3,345	3,321	-24	-0.7%
44.4%	3,277	3,277	0	0.0%
45.7%	3,267	3,242	-25	-0.8%
46.9%	2,995	3,084	89	3.0%
48.1%	2,894	2,896	1	0.0%
49.4%	2,853	2,838	-15	-0.5%
50.6%	2,709	2,709	0	0.0%
51.9%	2,575	2,575	0	0.0%
53.1%	2,508	2,519	12	0.5%
54.3%	2,394	2,394	0	0.0%
55.6%	2,287	2,286	-1	-0.1%
56.8%	2,204	2,207	3	0.2%
58.0%	1,970	1,970	0	0.0%
59.3%	1,900	1,750	-150	-7.9%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,749	-1	-0.1%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,597	137	9.4%
67.9%	1,445	1,445	0	0.0%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,417	30	2.1%
75.3%	1,386	1,363	-23	-1.6%
76.5%	1,284	1,362	78	6.1%
77.8%	1,281	1,300	19	1.5%
79.0%	1,179	1,265	86	7.3%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,250	97	8.4%
82.7%	1,143	1,250	107	9.4%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,161	129	12.5%
88.9%	1,001	1,156	155	15.5%
90.1%	1,001	1,140	140	14.0%
91.4%	958	1,110	152	15.8%
92.6%	929	1,062	133	14.3%
93.8%	895	985	91	10.1%
95.1%	884	981	98	11.0%
96.3%	800	950	150	18.8%
97.5%	800	860	60	7.5%
98.8%	800	800	0	0.0%
100.0%	305	508	202	66.3%

Table SW-27-5b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,137	14,137	0	0.0%
1.2%	10,879	10,879	0	0.0%
2.5%	10,224	10,224	0	0.0%
3.7%	10,211	10,211	0	0.0%
4.9%	10,121	10,121	0	0.0%
6.2%	9,050	9,050	0	0.0%
7.4%	8,579	8,579	0	0.0%
8.6%	7,451	7,451	0	0.0%
9.9%	6,988	6,988	0	0.0%
11.1%	6,353	6,353	0	0.0%
12.3%	6,026	6,026	0	0.0%
13.6%	6,019	6,019	0	0.0%
14.8%	5,804	5,804	0	0.0%
16.0%	5,597	5,597	0	0.0%
17.3%	5,094	5,105	11	0.2%
18.5%	5,079	5,079	0	0.0%
19.8%	5,000	4,996	-4	-0.1%
21.0%	4,834	4,788	-46	-0.9%
22.2%	4,781	4,739	-42	-0.9%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,174	-426	-9.3%
27.2%	4,595	4,094	-501	-10.9%
28.4%	4,133	3,950	-183	-4.4%
29.6%	3,950	3,807	-143	-3.6%
30.9%	3,918	3,458	-461	-11.8%
32.1%	3,807	3,364	-443	-11.6%
33.3%	3,802	3,316	-486	-12.8%
34.6%	3,433	3,149	-284	-8.3%
35.8%	3,364	3,145	-219	-6.5%
37.0%	3,168	3,045	-123	-3.9%
38.3%	3,047	3,004	-43	-1.4%
39.5%	3,004	2,994	-11	-0.4%
40.7%	2,994	2,947	-46	-1.5%
42.0%	2,952	2,935	-18	-0.6%
43.2%	2,906	2,900	-7	-0.2%
44.4%	2,900	2,741	-159	-5.5%
45.7%	2,810	2,740	-70	-2.5%
46.9%	2,764	2,626	-138	-5.0%
48.1%	2,746	2,593	-153	-5.6%
49.4%	2,723	2,537	-185	-6.8%
50.6%	2,673	2,521	-152	-5.7%
51.9%	2,630	2,482	-148	-5.6%
53.1%	2,605	2,460	-145	-5.6%
54.3%	2,521	2,441	-80	-3.2%
55.6%	2,470	2,295	-175	-7.1%
56.8%	2,465	2,250	-215	-8.7%
58.0%	2,374	2,220	-154	-6.5%
59.3%	2,311	2,139	-173	-7.5%
60.5%	2,256	2,126	-130	-5.8%
61.7%	2,238	2,099	-139	-6.2%
63.0%	2,158	2,018	-141	-6.5%
64.2%	2,099	2,009	-90	-4.3%
65.4%	2,009	2,007	-2	-0.1%
66.7%	1,972	1,951	-21	-1.1%
67.9%	1,752	1,909	157	9.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,750	76	4.5%
84.0%	1,488	1,619	132	8.8%
85.2%	1,452	1,540	89	6.1%
86.4%	1,312	1,514	201	15.3%
87.7%	1,257	1,489	232	18.5%
88.9%	1,211	1,450	239	19.8%
90.1%	1,145	1,329	183	16.0%
91.4%	1,073	1,077	3	0.3%
92.6%	1,060	1,059	-1	-0.1%
93.8%	980	1,016	36	3.6%
95.1%	964	981	17	1.8%
96.3%	743	545	-198	-26.7%
97.5%	743	507	-236	-31.8%
98.8%	599	466	-133	-22.2%
100.0%	357	441	83	23.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-0.8%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	5,000	0	0.0%
14.8%	5,000	5,000	0	0.0%
16.0%	5,000	5,000	0	0.0%
17.3%	5,000	5,000	0	0.0%
18.5%	5,000	4,884	-116	-2.3%
19.8%	5,000	4,831	-169	-3.4%
21.0%	5,000	4,771	-229	-4.6%
22.2%	5,000	4,704	-296	-5.9%
23.5%	5,000	4,605	-395	-7.9%
24.7%	5,000	4,595	-405	-8.1%
25.9%	5,000	4,565	-435	-8.7%
27.2%	5,000	4,401	-599	-12.0%
28.4%	5,000	4,387	-613	-12.3%
29.6%	5,000	4,353	-647	-12.9%
30.9%	5,000	4,296	-704	-14.1%
32.1%	4,980	4,234	-746	-15.0%
33.3%	4,906	4,173	-733	-14.9%
34.6%	4,728	4,123	-605	-12.8%
35.8%	4,677	4,119	-559	-11.9%
37.0%	4,652	4,105	-547	-11.8%
38.3%	4,600	4,073	-527	-11.5%
39.5%	4,595	3,998	-597	-13.0%
40.7%	4,572	3,864	-708	-15.5%
42.0%	4,539	3,759	-780	-17.2%
43.2%	4,395	3,757	-637	-14.5%
44.4%	4,117	3,744	-372	-9.0%
45.7%	4,073	3,424	-649	-15.9%
46.9%	3,937	3,418	-518	-13.2%
48.1%	3,930	3,308	-622	-15.8%
49.4%	3,864	3,259	-605	-15.7%
50.6%	3,691	3,222	-468	-12.7%
51.9%	3,616	3,096	-521	-14.4%
53.1%	3,572	3,035	-537	-15.0%
54.3%	3,571	2,992	-579	-16.2%
55.6%	3,399	2,967	-431	-12.7%
56.8%	3,393	2,948	-445	-13.1%
58.0%	3,295	2,947	-348	-10.6%
59.3%	3,217	2,861	-355	-11.1%
60.5%	3,114	2,850	-264	-8.5%
61.7%	3,107	2,849	-258	-8.3%
63.0%	3,096	2,810	-286	-9.2%
64.2%	3,030	2,788	-242	-8.0%
65.4%	3,017	2,763	-254	-8.4%
66.7%	2,982	2,750	-232	-7.8%
67.9%	2,967	2,750	-217	-7.3%
69.1%	2,947	2,750	-197	-6.7%
70.4%	2,897	2,750	-147	-5.1%
71.6%	2,868	2,750	-118	-4.1%
72.8%	2,810	2,724	-86	-3.1%
74.1%	2,788	2,671	-117	-4.2%
75.3%	2,775	2,614	-161	-5.8%
76.5%	2,724	2,564	-160	-5.9%
77.8%	2,687	2,527	-160	-6.0%
79.0%	2,666	2,514	-152	-5.7%
80.2%	2,564	2,250	-314	-12.2%
81.5%	2,498	2,250	-248	-9.9%
82.7%	2,447	2,250	-197	-8.0%
84.0%	2,136	1,983	-154	-7.2%
85.2%	2,122	1,928	-194	-9.1%
86.4%	1,915	1,809	-107	-5.6%
87.7%	1,818	1,643	-175	-9.6%
88.9%	1,695	1,559	-136	-8.0%
90.1%	1,683	1,525	-158	-9.4%
91.4%	1,605	1,523	-82	-5.1%
92.6%	1,461	1,461	0	0.0%
93.8%	1,383	1,394	11	0.8%
95.1%	856	1,336	479	56.0%
96.3%	811	951	140	17.3%
97.5%	745	724	-21	-2.8%
98.8%	496	467	-29	-5.8%
100.0%	362	426	64	17.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,457	0	0.0%
1.2%	4,354	4,271	-83	-1.9%
2.5%	4,266	4,256	-10	-0.2%
3.7%	4,256	4,203	-52	-1.2%
4.9%	4,130	4,130	0	0.0%
6.2%	4,081	4,081	0	0.0%
7.4%	4,049	4,049	0	0.0%
8.6%	4,024	4,017	-7	-0.2%
9.9%	4,017	4,014	-4	-0.1%
11.1%	4,014	3,982	-32	-0.8%
12.3%	3,982	3,977	-5	-0.1%
13.6%	3,977	3,972	-5	-0.1%
14.8%	3,972	3,950	-22	-0.6%
16.0%	3,892	3,892	0	0.0%
17.3%	3,823	3,809	-14	-0.4%
18.5%	3,679	3,704	24	0.7%
19.8%	3,653	3,598	-54	-1.5%
21.0%	3,475	3,552	77	2.2%
22.2%	3,445	3,538	93	2.7%
23.5%	3,405	3,464	59	1.7%
24.7%	3,402	3,443	41	1.2%
25.9%	3,401	3,314	-87	-2.6%
27.2%	3,264	3,276	12	0.4%
28.4%	3,244	3,212	-32	-1.0%
29.6%	3,222	3,181	-41	-1.3%
30.9%	3,163	3,060	-102	-3.2%
32.1%	3,156	3,046	-110	-3.5%
33.3%	2,964	3,031	67	2.3%
34.6%	2,908	2,994	86	3.0%
35.8%	2,906	2,982	76	2.6%
37.0%	2,849	2,960	111	3.9%
38.3%	2,824	2,955	131	4.6%
39.5%	2,762	2,946	184	6.7%
40.7%	2,680	2,911	231	8.6%
42.0%	2,674	2,846	172	6.4%
43.2%	2,671	2,815	144	5.4%
44.4%	2,664	2,787	124	4.6%
45.7%	2,637	2,781	145	5.5%
46.9%	2,589	2,761	171	6.6%
48.1%	2,497	2,684	187	7.5%
49.4%	2,494	2,653	159	6.4%
50.6%	2,422	2,622	200	8.3%
51.9%	2,378	2,571	193	8.1%
53.1%	2,364	2,509	145	6.1%
54.3%	2,352	2,500	148	6.3%
55.6%	2,339	2,411	73	3.1%
56.8%	2,308	2,318	10	0.4%
58.0%	2,305	2,243	-62	-2.7%
59.3%	2,286	2,186	-100	-4.4%
60.5%	2,249	2,099	-150	-6.7%
61.7%	2,232	2,045	-187	-8.4%
63.0%	2,133	2,030	-103	-4.9%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	1,967	-11	-0.6%
66.7%	1,910	1,914	3	0.2%
67.9%	1,902	1,912	9	0.5%
69.1%	1,750	1,909	159	9.1%
70.4%	1,750	1,908	158	9.0%
71.6%	1,750	1,859	109	6.2%
72.8%	1,750	1,855	105	6.0%
74.1%	1,750	1,840	90	5.2%
75.3%	1,750	1,837	87	5.0%
76.5%	1,750	1,829	79	4.5%
77.8%	1,645	1,750	105	6.4%
79.0%	1,459	1,750	291	20.0%
80.2%	1,353	1,750	397	29.3%
81.5%	1,339	1,559	220	16.4%
82.7%	1,312	1,543	231	17.6%
84.0%	1,288	1,543	255	19.8%
85.2%	1,263	1,436	172	13.7%
86.4%	1,190	1,354	164	13.8%
87.7%	982	1,349	367	37.4%
88.9%	980	1,200	220	22.5%
90.1%	965	1,170	205	21.3%
91.4%	964	1,156	192	19.9%
92.6%	899	1,019	120	13.4%
93.8%	807	996	189	23.4%
95.1%	800	948	148	18.5%
96.3%	800	767	-33	-4.1%
97.5%	743	699	-44	-6.0%
98.8%	679	671	-8	-1.2%
100.0%	250	460	210	84.2%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	4,608	-392	-7.8%
2.5%	5,000	4,528	-472	-9.4%
3.7%	5,000	4,505	-495	-9.9%
4.9%	4,997	4,438	-559	-11.2%
6.2%	4,953	4,373	-580	-11.7%
7.4%	4,918	4,356	-562	-11.4%
8.6%	4,843	4,276	-567	-11.7%
9.9%	4,723	4,275	-448	-9.5%
11.1%	4,718	4,216	-501	-10.6%
12.3%	4,670	4,207	-463	-9.9%
13.6%	4,505	4,188	-317	-7.0%
14.8%	4,486	4,114	-372	-8.3%
16.0%	4,413	4,055	-358	-8.1%
17.3%	4,373	4,033	-340	-7.8%
18.5%	4,316	4,015	-301	-7.0%
19.8%	4,313	4,015	-298	-6.9%
21.0%	4,276	4,003	-272	-6.4%
22.2%	4,233	3,998	-235	-5.6%
23.5%	4,231	3,953	-278	-6.6%
24.7%	4,198	3,914	-285	-6.8%
25.9%	4,188	3,908	-280	-6.7%
27.2%	4,062	3,881	-180	-4.4%
28.4%	3,981	3,833	-148	-3.7%
29.6%	3,926	3,751	-175	-4.5%
30.9%	3,912	3,745	-167	-4.3%
32.1%	3,878	3,710	-168	-4.3%
33.3%	3,651	3,424	-227	-6.2%
34.6%	3,556	3,320	-236	-6.6%
35.8%	3,296	3,274	-22	-0.7%
37.0%	3,013	3,105	92	3.0%
38.3%	2,988	3,003	15	0.5%
39.5%	2,949	2,984	35	1.2%
40.7%	2,832	2,905	73	2.6%
42.0%	2,802	2,829	27	1.0%
43.2%	2,800	2,662	-138	-4.9%
44.4%	2,642	2,641	-1	0.0%
45.7%	2,571	2,528	-42	-1.6%
46.9%	2,563	2,527	-36	-1.4%
48.1%	2,507	2,523	16	0.6%
49.4%	2,322	2,515	193	8.3%
50.6%	2,249	2,492	243	10.8%
51.9%	2,240	2,458	218	9.7%
53.1%	2,087	2,390	303	14.5%
54.3%	2,063	2,368	305	14.8%
55.6%	2,032	2,004	-28	-1.4%
56.8%	2,026	2,003	-23	-1.1%
58.0%	2,025	1,942	-83	-4.1%
59.3%	1,992	1,892	-100	-5.0%
60.5%	1,982	1,789	-193	-9.7%
61.7%	1,950	1,750	-200	-10.3%
63.0%	1,882	1,673	-209	-11.1%
64.2%	1,881	1,650	-231	-12.3%
65.4%	1,804	1,650	-154	-8.5%
66.7%	1,801	1,650	-151	-8.4%
67.9%	1,750	1,592	-159	-9.1%
69.1%	1,648	1,546	-101	-6.2%
70.4%	1,534	1,533	-1	-0.1%
71.6%	1,533	1,533	0	0.0%
72.8%	1,533	1,533	0	0.0%
74.1%	1,533	1,529	-4	-0.3%
75.3%	1,519	1,395	-124	-8.2%
76.5%	1,496	1,366	-130	-8.7%
77.8%	1,487	1,349	-138	-9.3%
79.0%	1,353	1,321	-32	-2.4%
80.2%	1,312	1,271	-41	-3.1%
81.5%	1,143	1,222	79	7.0%
82.7%	1,123	1,156	33	2.9%
84.0%	1,007	1,136	128	12.8%
85.2%	980	1,108	128	13.0%
86.4%	964	984	20	2.1%
87.7%	946	981	35	3.7%
88.9%	899	975	76	8.4%
90.1%	884	967	83	9.4%
91.4%	807	966	158	19.6%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	699	-101	-12.6%
96.3%	743	677	-66	-8.9%
97.5%	569	578	9	1.6%
98.8%	476	573	97	20.4%
100.0%	383	402	19	5.1%

Table SW-28-5a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,428	2,683	3,197	4,293	4,976	3,597	3,175	3,387	3,446	3,562	2,422	2,608
Alternative B	1,535	2,709	3,264	4,353	4,963	3,635	3,211	3,421	3,381	3,298	2,497	2,487
Difference	107	26	67	61	-13	38	36	34	-65	-264	75	-121
Percent Difference[3]	7.5%	1.0%	2.1%	1.4%	-0.3%	1.1%	1.1%	1.0%	-1.9%	-7.4%	3.1%	-4.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,549	3,837	3,536	8,529	8,989	5,930	5,094	5,875	5,677	3,800	3,186	4,214
Alternative B	1,753	3,868	3,557	8,596	8,991	5,929	5,094	5,876	5,675	3,686	3,293	3,882
Difference	204	31	21	67	1	-1	0	0	-2	-114	108	-332
Percent Difference	13.2%	0.8%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.0%	3.4%	-7.9%
Above Normal (15%)												
No Action Alternative	1,452	2,680	2,828	4,450	6,113	5,236	3,365	3,575	3,174	4,339	2,546	3,015
Alternative B	1,452	2,664	2,940	4,527	6,122	5,250	3,366	3,575	3,187	4,193	2,593	2,845
Difference	0	-16	112	77	9	14	1	0	13	-146	48	-170
Percent Difference	0.0%	-0.6%	4.0%	1.7%	0.1%	0.3%	0.0%	0.0%	0.4%	-3.4%	1.9%	-5.6%
Below Normal (17%)												
No Action Alternative	1,584	3,292	3,906	2,204	4,067	2,307	2,906	2,729	2,563	4,764	2,307	1,989
Alternative B	1,627	3,345	3,943	2,292	3,922	2,310	2,993	2,788	2,578	4,061	2,536	2,201
Difference	43	53	37	88	-145	3	87	59	15	-703	229	212
Percent Difference	2.7%	1.6%	1.0%	4.0%	-3.6%	0.1%	3.0%	2.2%	0.6%	-14.8%	9.9%	10.6%
Dry (22%)												
No Action Alternative	1,378	1,709	3,965	1,647	1,704	1,947	1,840	1,651	2,307	3,186	2,232	1,524
Alternative B	1,425	1,780	4,145	1,578	1,749	2,088	1,788	1,690	2,211	2,862	2,166	1,527
Difference	47	71	180	-69	45	141	-52	38	-97	-324	-66	4
Percent Difference	3.4%	4.2%	4.5%	-4.2%	2.6%	7.2%	-2.8%	2.3%	-4.2%	-10.2%	-3.0%	0.2%
Critical (15%)												
No Action Alternative	1,034	933	852	1,363	1,111	882	1,145	1,178	1,621	1,433	1,059	1,067
Alternative B	1,201	894	838	1,554	1,111	913	1,363	1,281	1,295	1,326	1,125	879
Difference	167	-40	-14	191	0	31	219	104	-325	-107	66	-187
Percent Difference	16.2%	-4.2%	-1.7%	14.0%	0.0%	3.5%	19.1%	8.8%	-20.1%	-7.5%	6.2%	-17.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-28-5b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

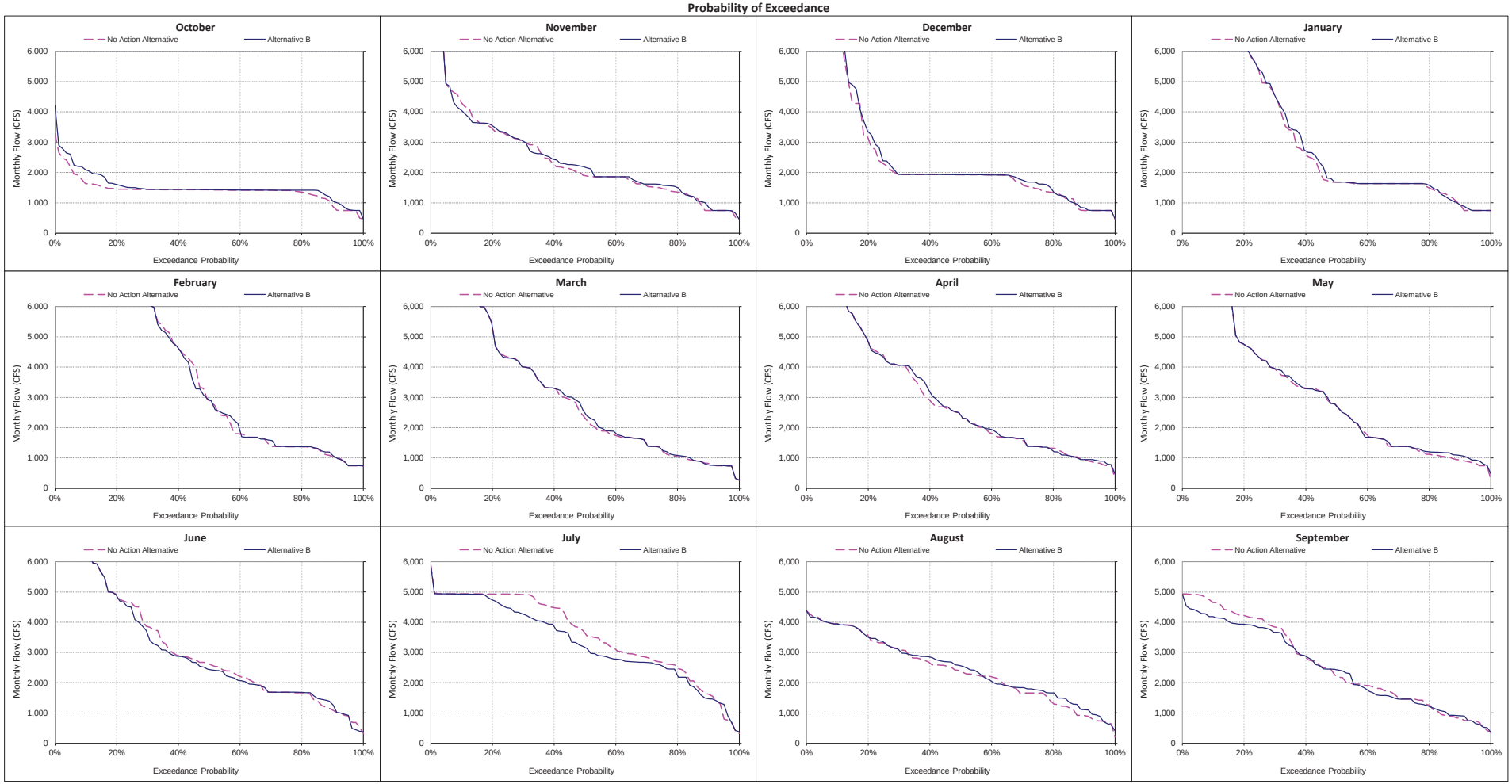

Table SW-28-5b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	4,211	939	28.7%
1.2%	2,666	2,902	236	8.9%
2.5%	2,480	2,786	305	12.3%
3.7%	2,414	2,645	231	9.6%
4.9%	2,202	2,603	401	18.2%
6.2%	1,948	2,242	294	15.1%
7.4%	1,917	2,200	284	14.8%
8.6%	1,776	2,193	416	23.4%
9.9%	1,629	2,091	462	28.3%
11.1%	1,623	2,045	422	26.0%
12.3%	1,617	1,956	339	21.0%
13.6%	1,589	1,948	359	22.6%
14.8%	1,549	1,928	379	24.5%
16.0%	1,518	1,853	335	22.1%
17.3%	1,477	1,652	175	11.9%
18.5%	1,476	1,644	168	11.4%
19.8%	1,452	1,612	160	11.0%
21.0%	1,450	1,573	123	8.5%
22.2%	1,448	1,538	90	6.2%
23.5%	1,447	1,508	62	4.3%
24.7%	1,446	1,500	54	3.7%
25.9%	1,439	1,496	57	3.9%
27.2%	1,439	1,477	38	2.6%
28.4%	1,439	1,463	24	1.6%
29.6%	1,439	1,449	10	0.7%
30.9%	1,438	1,442	4	0.3%
32.1%	1,437	1,441	4	0.3%
33.3%	1,437	1,441	4	0.3%
34.6%	1,436	1,441	4	0.3%
35.8%	1,436	1,440	4	0.3%
37.0%	1,436	1,439	4	0.2%
38.3%	1,435	1,439	4	0.3%
39.5%	1,435	1,439	4	0.3%
40.7%	1,434	1,439	5	0.3%
42.0%	1,433	1,439	6	0.4%
43.2%	1,433	1,438	5	0.4%
44.4%	1,432	1,438	6	0.4%
45.7%	1,430	1,437	7	0.5%
46.9%	1,429	1,435	6	0.4%
48.1%	1,428	1,435	7	0.5%
49.4%	1,428	1,435	7	0.5%
50.6%	1,428	1,432	4	0.3%
51.9%	1,427	1,431	4	0.3%
53.1%	1,426	1,430	4	0.3%
54.3%	1,424	1,429	6	0.4%
55.6%	1,421	1,428	6	0.4%
56.8%	1,419	1,427	9	0.6%
58.0%	1,418	1,426	8	0.6%
59.3%	1,417	1,426	9	0.7%
60.5%	1,416	1,425	9	0.7%
61.7%	1,416	1,423	7	0.5%
63.0%	1,416	1,420	4	0.3%
64.2%	1,416	1,420	4	0.3%
65.4%	1,415	1,419	4	0.3%
66.7%	1,415	1,419	4	0.3%
67.9%	1,415	1,418	4	0.3%
69.1%	1,414	1,418	4	0.3%
70.4%	1,412	1,417	6	0.4%
71.6%	1,410	1,417	8	0.6%
72.8%	1,409	1,417	8	0.6%
74.1%	1,409	1,417	8	0.6%
75.3%	1,409	1,416	7	0.5%
76.5%	1,409	1,416	7	0.5%
77.8%	1,385	1,416	30	2.2%
79.0%	1,364	1,415	52	3.8%
80.2%	1,350	1,415	65	4.8%
81.5%	1,332	1,414	82	6.2%
82.7%	1,285	1,413	128	10.0%
84.0%	1,244	1,412	168	13.5%
85.2%	1,227	1,409	182	14.9%
86.4%	1,153	1,336	183	15.9%
87.7%	1,138	1,256	118	10.3%
88.9%	1,064	1,208	144	13.5%
90.1%	872	1,047	175	20.1%
91.4%	749	1,009	259	34.6%
92.6%	748	945	196	26.2%
93.8%	748	843	95	12.6%
95.1%	745	778	33	4.5%
96.3%	745	751	6	0.8%
97.5%	739	748	9	1.2%
98.8%	492	745	253	51.5%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	17,135	-56	-0.3%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	6,630	-102	-1.5%
4.9%	4,937	4,933	-5	-0.1%
6.2%	4,759	4,838	80	1.7%
7.4%	4,652	4,324	-327	-7.0%
8.6%	4,571	4,159	-412	-9.0%
9.9%	4,317	4,064	-253	-5.9%
11.1%	4,169	3,934	-235	-5.6%
12.3%	4,139	3,824	-315	-7.6%
13.6%	3,824	3,650	-174	-4.5%
14.8%	3,724	3,647	-77	-2.1%
16.0%	3,618	3,634	16	0.4%
17.3%	3,605	3,629	24	0.7%
18.5%	3,558	3,619	60	1.7%
19.8%	3,470	3,559	90	2.6%
21.0%	3,344	3,467	123	3.7%
22.2%	3,344	3,366	22	0.6%
23.5%	3,315	3,347	31	0.9%
24.7%	3,241	3,294	53	1.6%
25.9%	3,187	3,203	16	0.5%
27.2%	3,123	3,139	16	0.5%
28.4%	3,114	3,109	-6	-0.2%
29.6%	2,995	3,059	64	2.1%
30.9%	2,982	2,979	-3	-0.1%
32.1%	2,913	2,708	-205	-7.0%
33.3%	2,911	2,647	-264	-9.1%
34.6%	2,846	2,622	-224	-7.9%
35.8%	2,622	2,622	0	0.0%
37.0%	2,480	2,563	83	3.3%
38.3%	2,457	2,523	66	2.7%
39.5%	2,301	2,440	139	6.0%
40.7%	2,198	2,417	218	9.9%
42.0%	2,183	2,306	122	5.6%
43.2%	2,153	2,299	146	6.8%
44.4%	2,144	2,264	120	5.6%
45.7%	2,100	2,259	159	7.5%
46.9%	2,037	2,249	212	10.4%
48.1%	2,036	2,221	186	9.1%
49.4%	1,906	2,194	288	15.1%
50.6%	1,882	2,150	268	14.2%
51.9%	1,862	2,119	257	13.8%
53.1%	1,862	1,862	0	0.0%
54.3%	1,862	1,862	0	0.0%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,862	0	0.0%
59.3%	1,862	1,862	0	0.0%
60.5%	1,862	1,862	0	0.0%
61.7%	1,861	1,861	0	0.0%
63.0%	1,855	1,860	5	0.3%
64.2%	1,752	1,856	104	5.9%
65.4%	1,708	1,770	61	3.6%
66.7%	1,621	1,706	85	5.3%
67.9%	1,621	1,668	48	2.9%
69.1%	1,621	1,621	0	0.0%
70.4%	1,534	1,621	87	5.7%
71.6%	1,526	1,621	94	6.2%
72.8%	1,507	1,620	113	7.5%
74.1%	1,498	1,607	109	7.3%
75.3%	1,460	1,571	111	7.6%
76.5%	1,448	1,566	118	8.1%
77.8%	1,380	1,555	174	12.6%
79.0%	1,366	1,545	178	13.1%
80.2%	1,347	1,490	143	10.6%
81.5%	1,326	1,330	4	0.3%
82.7%	1,310	1,254	-55	-4.2%
84.0%	1,225	1,230	5	0.4%
85.2%	1,145	1,205	60	5.2%
86.4%	1,136	1,055	-81	-7.1%
87.7%	924	1,043	119	12.8%
88.9%	747	1,002	255	34.1%
90.1%	747	845	99	13.2%
91.4%	747	747	0	0.0%
92.6%	746	746	0	0.0%
93.8%	746	746	0	0.0%
95.1%	746	746	-1	-0.1%
96.3%	744	742	-2	-0.2%
97.5%	741	736	-4	-0.6%
98.8%	519	651	132	25.4%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	19,685	-58	-0.3%
1.2%	16,495	16,495	0	0.0%
2.5%	15,763	16,453	691	4.4%
3.7%	15,639	15,639	0	0.0%
4.9%	13,766	13,759	-7	-0.1%
6.2%	12,796	12,430	-366	-2.9%
7.4%	8,951	8,951	0	0.0%
8.6%	8,725	8,718	-6	-0.1%
9.9%	7,121	7,122	1	0.0%
11.1%	6,581	6,581	0	0.0%
12.3%	5,653	6,018	365	6.5%
13.6%	5,003	4,973	-30	-0.6%
14.8%	4,295	4,895	600	14.0%
16.0%	4,278	4,757	479	11.2%
17.3%	4,278	4,088	-189	-4.4%
18.5%	3,241	3,693	452	14.0%
19.8%	3,201	3,369	168	5.2%
21.0%	2,827	3,239	412	14.6%
22.2%	2,764	2,930	167	6.0%
23.5%	2,392	2,827	435	18.2%
24.7%	2,307	2,386	79	3.4%
25.9%	2,225	2,376	151	6.8%
27.2%	2,092	2,237	145	6.9%
28.4%	2,011	2,085	74	3.7%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
32.1%	1,936	1,936	0	0.0%
33.3%	1,936	1,936	0	0.0%
34.6%	1,936	1,936	0	0.0%
35.8%	1,936	1,936	0	0.0%
37.0%	1,936	1,936	0	0.0%
38.3%	1,936	1,936	0	0.0%
39.5%	1,935	1,933	-2	-0.1%
40.7%	1,934	1,932	-2	-0.1%
42.0%	1,934	1,932	-2	-0.1%
43.2%	1,933	1,932	-2	-0.1%
44.4%	1,933	1,931	-2	-0.1%
45.7%	1,933	1,931	-3	-0.1%
46.9%	1,933	1,930	-3	-0.1%
48.1%	1,930	1,929	-1	0.0%
49.4%	1,926	1,929	3	0.1%
50.6%	1,926	1,928	2	0.1%
51.9%	1,926	1,926	0	0.0%
53.1%	1,925	1,925	0	0.0%
54.3%	1,924	1,925	1	0.0%
55.6%	1,923	1,924	0	0.0%
56.8%	1,923	1,923	0	0.0%
58.0%	1,923	1,923	0	0.0%
59.3%	1,923	1,921	-1	-0.1%
60.5%	1,921	1,920	-1	-0.1%
61.7%	1,921	1,920	-1	0.0%
63.0%	1,914	1,920	6	0.3%
64.2%	1,911	1,917	6	0.3%
65.4%	1,909	1,914	5	0.3%
66.7%	1,823	1,880	57	3.1%
67.9%	1,688	1,847	159	9.4%
69.1%	1,682	1,775	93	5.6%
70.4%	1,570	1,737	166	10.6%
71.6%	1,534	1,688	154	10.0%
72.8%	1,522	1,688	166	10.9%
74.1%	1,471	1,688	217	14.8%
75.3%	1,454	1,621	167	11.5%
76.5%	1,382	1,614	232	16.8%
77.8%	1,368	1,598	230	16.8%
79.0%	1,349	1,511	162	12.0%
80.2%	1,328	1,332	4	0.3%
81.5%	1,312	1,256	-55	-4.2%
82.7%	1,227	1,238	11	0.9%
84.0%	1,147	1,207	60	5.2%
85.2%	1,138	1,045	-93	-8.2%
86.4%	1,133	1,004	-129	-11.4%
87.7%	820	953	133	16.3%
88.9%	754	847	93	12.3%
90.1%	748	832	84	11.2%
91.4%	748	750	2	0.3%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	745	743	-2	-0.3%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	31,177	3	0.0%
1.2%	20,281	20,282	0	0.0%
2.5%	17,613	17,613	0	0.0%
3.7%	15,473	15,694	221	1.4%
4.9%	14,628	15,467	839	5.7%
6.2%	12,792	12,792	1	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,705	-1	0.0%
9.9%	10,365	10,488	122	1.2%
11.1%	9,912	9,912	0	0.0%
12.3%	9,211	9,200	-11	-0.1%
13.6%	9,053	9,054	2	0.0%
14.8%	8,828	8,824	-4	0.0%
16.0%	7,720	7,715	-5	-0.1%
17.3%	7,426	7,426	0	0.0%
18.5%	6,704	6,683	-21	-0.3%
19.8%	6,647	6,602	-45	-0.7%
21.0%	6,076	6,076	0	0.0%
22.2%	5,822	5,849	28	0.5%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,414	-1	0.0%
25.9%	4,961	5,298	337	6.8%
27.2%	4,950	4,950	0	0.0%
28.4%	4,820	4,935	115	2.4%
29.6%	4,616	4,604	-13	-0.3%
30.9%	4,357	4,353	-3	-0.1%
32.1%	3,940	4,149	209	5.3%
33.3%	3,524	3,939	415	11.8%
34.6%	3,405	3,505	100	2.9%
35.8%	3,392	3,419	27	0.8%
37.0%	2,831	3,393	562	19.9%
38.3%	2,788	3,232	444	15.9%
39.5%	2,658	2,741	83	3.1%
40.7%	2,525	2,667	142	5.6%
42.0%	2,473	2,658	185	7.5%
43.2%	2,376	2,536	160	6.7%
44.4%	2,034	2,337	302	14.9%
45.7%	1,766	2,179	412	23.3%
46.9%	1,734	1,815	81	4.7%
48.1%	1,685	1,799	114	6.8%
49.4%	1,685	1,685	0	0.0%
50.6%	1,685	1,685	0	0.0%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,681	18	1.1%
54.3%	1,663	1,662	0	0.0%
55.6%	1,635	1,656	21	1.3%
56.8%	1,635	1,635	0	0.0%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,621	81	5.3%
80.2%	1,471	1,559	89	6.0%
81.5%	1,425	1,466	41	2.9%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,275	-50	-3.8%
85.2%	1,295	1,206	-88	-6.8%
86.4%	1,227	1,123	-104	-8.5%
87.7%	1,154	1,059	-95	-8.2%
88.9%	1,034	1,004	-31	-3.0%
90.1%	920	920	-1	-0.1%
91.4%	748	880	131	17.6%
92.6%	748	807	58	7.8%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	748	748	0	0.0%
100.0%	747	747	0	0.0%

Table SW-28-5b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,090	-13	0.0%
1.2%	15,585	15,580	-6	0.0%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,376	14	0.1%
4.9%	13,346	13,346	1	0.0%
6.2%	12,991	12,991	0	0.0%
7.4%	12,404	12,343	-61	-0.5%
8.6%	12,260	12,260	0	0.0%
9.9%	11,338	11,336	-2	0.0%
11.1%	11,083	11,077	-6	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,437	6	0.1%
14.8%	9,957	9,950	-7	-0.1%
16.0%	9,808	9,808	0	0.0%
17.3%	9,611	9,611	0	0.0%
18.5%	9,342	9,343	0	0.0%
19.8%	9,113	9,099	-14	-0.2%
21.0%	7,917	7,917	0	0.0%
22.2%	7,829	7,826	-3	0.0%
23.5%	7,702	7,631	-71	-0.9%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,979	-3	0.0%
27.2%	6,760	6,569	-192	-2.8%
28.4%	6,176	6,176	0	0.0%
29.6%	6,053	6,054	0	0.0%
30.9%	6,040	6,039	0	0.0%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,408	-87	-1.6%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,139	-80	-1.5%
37.0%	5,139	4,968	-172	-3.3%
38.3%	4,823	4,794	-29	-0.6%
39.5%	4,690	4,690	0	0.0%
40.7%	4,523	4,523	-1	0.0%
42.0%	4,402	4,298	-104	-2.4%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,611	-541	-13.0%
45.7%	3,994	3,285	-710	-17.8%
46.9%	3,354	3,282	-71	-2.1%
48.1%	3,292	3,078	-215	-6.5%
49.4%	2,939	2,953	15	0.5%
50.6%	2,858	2,882	24	0.9%
51.9%	2,732	2,599	-133	-4.9%
53.1%	2,447	2,546	99	4.0%
54.3%	2,402	2,480	78	3.2%
55.6%	2,398	2,435	37	1.5%
56.8%	2,142	2,391	249	11.6%
58.0%	1,806	2,244	438	24.3%
59.3%	1,800	2,142	342	19.0%
60.5%	1,795	1,700	-95	-5.3%
61.7%	1,753	1,683	-70	-4.0%
63.0%	1,683	1,680	-2	-0.1%
64.2%	1,680	1,680	0	0.0%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,628	-53	-3.1%
67.9%	1,626	1,627	0	0.0%
69.1%	1,466	1,593	128	8.7%
70.4%	1,378	1,577	198	14.4%
71.6%	1,378	1,378	0	0.0%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,378	2	0.2%
75.3%	1,376	1,376	0	0.0%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,358	1,376	18	1.4%
84.0%	1,322	1,344	22	1.7%
85.2%	1,295	1,312	17	1.3%
86.4%	1,197	1,233	35	2.9%
87.7%	1,113	1,200	87	7.8%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	1,072	41	3.9%
91.4%	978	1,000	22	2.3%
92.6%	968	943	-24	-2.5%
93.8%	866	887	21	2.4%
95.1%	745	745	0	0.0%
96.3%	743	743	0	0.0%
97.5%	743	743	0	0.0%
98.8%	743	743	0	0.0%
100.0%	730	741	12	1.6%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,509	20	0.1%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,006	123	1.0%
3.7%	11,721	11,882	161	1.4%
4.9%	11,644	11,644	0	0.0%
6.2%	10,839	10,839	0	0.0%
7.4%	10,431	10,447	15	0.1%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,359	611	7.9%
11.1%	7,493	7,493	0	0.0%
12.3%	7,142	7,142	0	0.0%
13.6%	6,485	6,485	0	0.0%
14.8%	6,223	6,223	0	0.0%
16.0%	5,997	5,998	1	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,473	6	0.1%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,483	-1	0.0%
23.5%	4,395	4,327	-68	-1.5%
24.7%	4,335	4,302	-33	-0.8%
25.9%	4,302	4,301	-1	0.0%
27.2%	4,296	4,269	-27	-0.6%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,995	-4	-0.1%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,849	-21	-0.5%
34.6%	3,607	3,607	0	0.0%
35.8%	3,487	3,487	0	0.0%
37.0%	3,326	3,328	2	0.1%
38.3%	3,320	3,320	0	0.0%
39.5%	3,314	3,314	0	0.0%
40.7%	3,273	3,272	-1	0.0%
42.0%	3,023	3,230	207	6.9%
43.2%	3,006	3,091	85	2.8%
44.4%	2,964	3,015	51	1.7%
45.7%	2,909	3,004	94	3.2%
46.9%	2,838	2,917	79	2.8%
48.1%	2,558	2,838	280	11.0%
49.4%	2,399	2,566	167	6.9%
50.6%	2,243	2,387	144	6.4%
51.9%	2,094	2,303	209	10.0%
53.1%	2,028	2,243	215	10.6%
54.3%	1,905	2,017	112	5.9%
55.6%	1,894	1,974	80	4.2%
56.8%	1,889	1,901	12	0.7%
58.0%	1,794	1,895	101	5.6%
59.3%	1,771	1,886	115	6.5%
60.5%	1,721	1,771	50	2.9%
61.7%	1,683	1,734	51	3.0%
63.0%	1,682	1,683	1	0.0%
64.2%	1,681	1,681	0	0.0%
65.4%	1,657	1,657	0	0.0%
66.7%	1,648	1,648	0	0.0%
67.9%	1,638	1,638	0	0.0%
69.1%	1,602	1,602	0	0.0%
70.4%	1,397	1,385	-12	-0.8%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,355	-27	-1.9%
75.3%	1,206	1,241	35	2.9%
76.5%	1,121	1,206	85	7.6%
77.8%	1,083	1,119	37	3.4%
79.0%	1,063	1,096	33	3.1%
80.2%	1,039	1,078	39	3.8%
81.5%	1,038	1,067	29	2.8%
82.7%	976	1,050	74	7.6%
84.0%	940	1,003	62	6.6%
85.2%	918	921	3	0.4%
86.4%	898	896	-2	-0.3%
87.7%	875	876	1	0.2%
88.9%	832	805	-27	-3.3%
90.1%	820	773	-46	-5.7%
91.4%	777	756	-22	-2.8%
92.6%	748	751	3	0.4%
93.8%	748	748	0	0.0%
95.1%	740	743	3	0.4%
96.3%	740	740	0	0.0%
97.5%	737	737	0	0.0%
98.8%	328	328	0	0.0%
100.0%	265	265	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,286	0	0.0%
1.2%	10,078	10,078	0	0.0%
2.5%	8,359	8,359	0	0.0%
3.7%	7,564	7,564	0	0.0%
4.9%	7,437	7,437	0	0.0%
6.2%	6,784	6,784	0	0.0%
7.4%	6,675	6,684	9	0.1%
8.6%	6,497	6,497	0	0.0%
9.9%	6,490	6,490	0	0.0%
11.1%	6,245	6,245	0	0.0%
12.3%	6,197	6,197	0	0.0%
13.6%	5,846	5,847	1	0.0%
14.8%	5,765	5,765	0	0.0%
16.0%	5,490	5,490	0	0.0%
17.3%	5,335	5,335	0	0.0%
18.5%	5,115	5,115	0	0.0%
19.8%	4,892	4,891	-1	0.0%
21.0%	4,615	4,551	-64	-1.4%
22.2%	4,551	4,470	-81	-1.8%
23.5%	4,473	4,430	-42	-0.9%
24.7%	4,430	4,349	-82	-1.8%
25.9%	4,192	4,192	0	0.0%
27.2%	4,094	4,102	9	0.2%
28.4%	4,092	4,102	9	0.2%
29.6%	4,064	4,064	0	0.0%
30.9%	4,063	4,063	0	0.0%
32.1%	4,028	4,057	29	0.7%
33.3%	3,825	4,028	203	5.3%
34.6%	3,635	3,825	190	5.2%
35.8%	3,502	3,664	162	4.6%
37.0%	3,256	3,632	376	11.5%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,052	241	8.6%
42.0%	2,699	2,950	250	9.3%
43.2%	2,692	2,811	119	4.4%
44.4%	2,686	2,699	13	0.5%
45.7%	2,633	2,692	59	2.3%
46.9%	2,581	2,581	0	0.0%
48.1%	2,522	2,532	10	0.4%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,310	-5	-0.2%
51.9%	2,292	2,295	3	0.1%
53.1%	2,156	2,156	0	0.0%
54.3%	2,142	2,100	-43	-2.0%
55.6%	2,032	2,068	36	1.7%
56.8%	1,991	2,032	42	2.1%
58.0%	1,955	1,967	12	0.6%
59.3%	1,836	1,958	123	6.7%
60.5%	1,796	1,921	125	7.0%
61.7%	1,696	1,836	139	8.2%
63.0%	1,691	1,715	24	1.4%
64.2%	1,685	1,685	0	0.0%
65.4%	1,679	1,679	0	0.0%
66.7%	1,675	1,675	0	0.0%
67.9%	1,640	1,661	21	1.3%
69.1%	1,635	1,639	4	0.2%
70.4%	1,569	1,635	66	4.2%
71.6%	1,383	1,383	0	0.0%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,383	0	0.0%
75.3%	1,379	1,374	-5	-0.3%
76.5%	1,359	1,359	0	0.0%
77.8%	1,355	1,357	1	0.1%
79.0%	1,323	1,297	-26	-2.0%
80.2%	1,319	1,204	-115	-8.7%
81.5%	1,264	1,198	-67	-5.3%
82.7%	1,204	1,096	-107	-8.9%
84.0%	1,119	1,096	-23	-2.1%
85.2%	1,083	1,071	-12	-1.1%
86.4%	1,039	1,051	11	1.1%
87.7%	1,034	1,004	-31	-3.0%
88.9%	974	947	-27	-2.8%
90.1%	943	946	3	0.3%
91.4%	902	946	44	4.9%
92.6%	873	945	72	8.3%
93.8%	839	924	85	10.1%
95.1%	829	894	65	7.8%
96.3%	768	894	125	16.3%
97.5%	747	794	47	6.4%
98.8%	743	777	34	4.6%
100.0%	315	466	151	47.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,052	10	0.2%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,216	-26	-0.6%
27.2%	4,202	4,207	5	0.1%
28.4%	4,002	4,001	-1	0.0%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,923	71	1.8%
32.1%	3,723	3,886	163	4.4%
33.3%	3,712	3,723	11	0.3%
34.6%	3,581	3,712	131	3.7%
35.8%	3,466	3,581	115	3.3%
37.0%	3,378	3,466	88	2.6%
38.3%	3,353	3,378	25	0.7%
39.5%	3,315	3,295	-20	-0.6%
40.7%	3,295	3,287	-8	-0.2%
42.0%	3,287	3,284	-3	-0.1%
43.2%	3,279	3,237	-42	-1.3%
44.4%	3,205	3,205	0	0.0%
45.7%	3,201	3,176	-25	-0.8%
46.9%	2,923	3,019	95	3.3%
48.1%	2,795	2,796	1	0.0%
49.4%	2,793	2,778	-15	-0.5%
50.6%	2,637	2,637	0	0.0%
51.9%	2,507	2,507	0	0.0%
53.1%	2,437	2,449	12	0.5%
54.3%	2,331	2,331	0	0.0%
55.6%	2,196	2,195	-1	-0.1%
56.8%	2,129	2,132	3	0.2%
58.0%	1,900	1,900	0	0.0%
59.3%	1,837	1,687	-150	-8.2%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,682	-5	-0.3%
63.0%	1,663	1,663	0	0.0%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,541	144	10.3%
67.9%	1,385	1,385	0	0.0%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,385	0	0.0%
74.1%	1,328	1,354	26	2.0%
75.3%	1,326	1,306	-20	-1.5%
76.5%	1,227	1,304	77	6.3%
77.8%	1,223	1,237	15	1.2%
79.0%	1,122	1,207	84	7.5%
80.2%	1,121	1,206	85	7.6%
81.5%	1,089	1,193	104	9.5%
82.7%	1,085	1,192	107	9.9%
84.0%	1,052	1,185	133	12.7%
85.2%	1,041	1,176	135	13.0%
86.4%	1,031	1,170	139	13.5%
87.7%	976	1,105	130	13.3%
88.9%	945	1,098	153	16.2%
90.1%	935	1,085	149	16.0%
91.4%	903	1,052	149	16.5%
92.6%	875	1,006	131	14.9%
93.8%	841	930	89	10.6%
95.1%	830	926	96	11.5%
96.3%	748	896	147	19.7%
97.5%	748	807	59	7.9%
98.8%	741	748	7	0.9%
100.0%	266	462	196	73.5%

Table SW-28-5b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	0	0.0%
2.5%	10,101	10,101	0	0.0%
3.7%	10,061	10,061	0	0.0%
4.9%	9,970	9,970	0	0.0%
6.2%	8,928	8,928	0	0.0%
7.4%	8,446	8,446	0	0.0%
8.6%	7,314	7,314	0	0.0%
9.9%	6,881	6,881	0	0.0%
11.1%	6,224	6,224	0	0.0%
12.3%	5,953	5,953	0	0.0%
13.6%	5,925	5,925	0	0.0%
14.8%	5,674	5,674	0	0.0%
16.0%	5,487	5,487	0	0.0%
17.3%	4,999	5,010	11	0.2%
18.5%	4,990	4,990	0	0.0%
19.8%	4,934	4,916	-17	-0.3%
21.0%	4,754	4,708	-46	-1.0%
22.2%	4,702	4,662	-40	-0.8%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,089	-428	-9.5%
27.2%	4,503	4,003	-500	-11.1%
28.4%	4,048	3,869	-180	-4.4%
29.6%	3,869	3,724	-145	-3.7%
30.9%	3,828	3,379	-450	-11.7%
32.1%	3,740	3,283	-457	-12.2%
33.3%	3,724	3,231	-493	-13.2%
34.6%	3,373	3,087	-286	-8.5%
35.8%	3,284	3,083	-201	-6.1%
37.0%	3,082	2,983	-100	-3.2%
38.3%	2,985	2,912	-73	-2.4%
39.5%	2,912	2,874	-38	-1.3%
40.7%	2,879	2,872	-7	-0.2%
42.0%	2,872	2,847	-25	-0.9%
43.2%	2,844	2,789	-55	-1.9%
44.4%	2,789	2,676	-113	-4.1%
45.7%	2,748	2,670	-78	-2.8%
46.9%	2,677	2,539	-138	-5.1%
48.1%	2,676	2,519	-158	-5.9%
49.4%	2,658	2,451	-207	-7.8%
50.6%	2,587	2,428	-158	-6.1%
51.9%	2,542	2,410	-132	-5.2%
53.1%	2,530	2,403	-127	-5.0%
54.3%	2,428	2,362	-66	-2.7%
55.6%	2,393	2,226	-167	-7.0%
56.8%	2,392	2,188	-204	-8.5%
58.0%	2,312	2,160	-152	-6.6%
59.3%	2,242	2,077	-165	-7.4%
60.5%	2,191	2,065	-126	-5.7%
61.7%	2,176	2,028	-148	-6.8%
63.0%	2,099	1,953	-146	-7.0%
64.2%	2,028	1,947	-81	-4.0%
65.4%	1,927	1,927	0	0.0%
66.7%	1,916	1,890	-25	-1.3%
67.9%	1,693	1,848	156	9.2%
69.1%	1,692	1,690	-3	-0.2%
70.4%	1,688	1,689	2	0.1%
71.6%	1,686	1,688	2	0.1%
72.8%	1,685	1,688	2	0.1%
74.1%	1,685	1,686	1	0.0%
75.3%	1,683	1,685	2	0.1%
76.5%	1,675	1,685	10	0.6%
77.8%	1,671	1,685	14	0.8%
79.0%	1,670	1,683	13	0.8%
80.2%	1,670	1,675	5	0.3%
81.5%	1,666	1,671	5	0.3%
82.7%	1,614	1,670	56	3.5%
84.0%	1,427	1,559	132	9.2%
85.2%	1,391	1,481	90	6.5%
86.4%	1,251	1,454	203	16.3%
87.7%	1,202	1,428	226	18.8%
88.9%	1,155	1,390	234	20.3%
90.1%	1,092	1,272	180	16.4%
91.4%	1,017	1,013	-4	-0.4%
92.6%	1,006	1,000	-6	-0.6%
93.8%	922	961	38	4.2%
95.1%	905	924	19	2.1%
96.3%	690	492	-198	-28.7%
97.5%	685	448	-237	-34.6%
98.8%	523	393	-129	-24.7%
100.0%	323	381	58	17.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,937	-35	-0.7%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-5	-0.1%
4.9%	4,941	4,937	-4	-0.1%
6.2%	4,937	4,935	-2	0.0%
7.4%	4,937	4,931	-6	-0.1%
8.6%	4,937	4,931	-7	-0.1%
9.9%	4,937	4,930	-7	-0.1%
11.1%	4,937	4,930	-7	-0.2%
12.3%	4,937	4,927	-10	-0.2%
13.6%	4,937	4,927	-10	-0.2%
14.8%	4,935	4,924	-12	-0.2%
16.0%	4,935	4,923	-12	-0.2%
17.3%	4,934	4,912	-22	-0.4%
18.5%	4,933	4,821	-113	-2.3%
19.8%	4,933	4,749	-184	-3.7%
21.0%	4,931	4,700	-231	-4.7%
22.2%	4,931	4,612	-319	-6.5%
23.5%	4,930	4,539	-390	-7.9%
24.7%	4,930	4,481	-448	-9.1%
25.9%	4,929	4,459	-470	-9.5%
27.2%	4,928	4,335	-594	-12.0%
28.4%	4,923	4,325	-598	-12.1%
29.6%	4,916	4,281	-635	-12.9%
30.9%	4,912	4,235	-678	-13.8%
32.1%	4,908	4,164	-745	-15.2%
33.3%	4,838	4,105	-733	-15.1%
34.6%	4,647	4,042	-605	-13.0%
35.8%	4,595	4,031	-564	-12.3%
37.0%	4,582	3,982	-600	-13.1%
38.3%	4,508	3,937	-571	-12.7%
39.5%	4,497	3,935	-562	-12.5%
40.7%	4,466	3,722	-745	-16.7%
42.0%	4,459	3,696	-763	-17.1%
43.2%	4,322	3,688	-634	-14.7%
44.4%	4,049	3,644	-405	-10.0%
45.7%	3,937	3,340	-596	-15.1%
46.9%	3,849	3,332	-516	-13.4%
48.1%	3,830	3,245	-585	-15.3%
49.4%	3,722	3,196	-525	-14.1%
50.6%	3,554	3,133	-421	-11.8%
51.9%	3,527	2,973	-554	-15.7%
53.1%	3,498	2,961	-537	-15.4%
54.3%	3,480	2,892	-589	-16.9%
55.6%	3,330	2,883	-447	-13.4%
56.8%	3,309	2,859	-451	-13.6%
58.0%	3,205	2,820	-385	-12.0%
59.3%	3,158	2,784	-374	-11.9%
60.5%	3,047	2,778	-269	-8.8%
61.7%	3,025	2,760	-265	-8.8%
63.0%	2,973	2,712	-261	-8.8%
64.2%	2,963	2,700	-262	-8.8%
65.4%	2,948	2,691	-257	-8.7%
66.7%	2,919	2,687	-232	-7.9%
67.9%	2,878	2,677	-201	-7.0%
69.1%	2,859	2,676	-182	-6.4%
70.4%	2,822	2,669	-153	-5.4%
71.6%	2,795	2,662	-132	-4.7%
72.8%	2,712	2,612	-100	-3.7%
74.1%	2,691	2,597	-94	-3.5%
75.3%	2,675	2,538	-137	-5.1%
76.5%	2,612	2,461	-151	-5.8%
77.8%	2,610	2,453	-156	-6.0%
79.0%	2,593	2,452	-141	-5.4%
80.2%	2,461	2,185	-276	-11.2%
81.5%	2,435	2,183	-252	-10.4%
82.7%	2,320	2,181	-139	-6.0%
84.0%	2,063	1,922	-141	-6.8%
85.2%	2,059	1,862	-197	-9.6%
86.4%	1,858	1,749	-109	-5.9%
87.7%	1,755	1,586	-169	-9.6%
88.9%	1,648	1,495	-153	-9.3%
90.1%	1,621	1,466	-154	-9.5%
91.4%	1,550	1,464	-85	-5.5%
92.6%	1,400	1,405	5	0.3%
93.8%	1,302	1,327	25	1.9%
95.1%	799	1,280	481	60.2%
96.3%	761	904	144	18.9%
97.5%	694	678	-16	-2.3%
98.8%	405	423	18	4.5%
100.0%	321	381	60	18.8%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,375	0	0.0%
1.2%	4,262	4,171	-91	-2.1%
2.5%	4,168	4,168	0	0.0%
3.7%	4,166	4,130	-35	-0.8%
4.9%	4,049	4,049	0	0.0%
6.2%	4,010	4,010	0	0.0%
7.4%	3,975	3,977	1	0.0%
8.6%	3,946	3,946	0	0.0%
9.9%	3,945	3,940	-5	-0.1%
11.1%	3,940	3,909	-31	-0.8%
12.3%	3,909	3,906	-3	-0.1%
13.6%	3,906	3,900	-6	-0.1%
14.8%	3,900	3,879	-22	-0.6%
16.0%	3,822	3,822	0	0.0%
17.3%	3,757	3,729	-27	-0.7%
18.5%	3,608	3,612	5	0.1%
19.8%	3,584	3,515	-69	-1.9%
21.0%	3,384	3,466	82	2.4%
22.2%	3,367	3,461	93	2.8%
23.5%	3,321	3,390	69	2.1%
24.7%	3,319	3,367	48	1.5%
25.9%	3,311	3,242	-69	-2.1%
27.2%	3,190	3,185	-5	-0.1%
28.4%	3,153	3,141	-12	-0.4%
29.6%	3,131	3,110	-21	-0.7%
30.9%	3,077	2,974	-102	-3.3%
32.1%	3,065	2,972	-92	-3.0%
33.3%	2,872	2,940	67	2.3%
34.6%	2,818	2,902	84	3.0%
35.8%	2,816	2,902	85	3.0%
37.0%	2,780	2,871	91	3.3%
38.3%	2,745	2,869	123	4.5%
39.5%	2,689	2,858	169	6.3%
40.7%	2,592	2,827	235	9.1%
42.0%	2,588	2,757	168	6.5%
43.2%	2,583	2,724	140	5.4%
44.4%	2,576	2,704	127	4.9%
45.7%	2,545	2,690	145	5.7%
46.9%	2,513	2,683	170	6.8%
48.1%	2,420	2,593	173	7.1%
49.4%	2,402	2,575	173	7.2%
50.6%	2,349	2,541	192	8.2%
51.9%	2,287	2,495	208	9.1%
53.1%	2,286	2,422	136	6.0%
54.3%	2,261	2,415	155	6.8%
55.6%	2,247	2,337	90	4.0%
56.8%	2,217	2,241	25	1.1%
58.0%	2,216	2,152	-64	-2.9%
59.3%	2,213	2,095	-118	-5.3%
60.5%	2,176	2,007	-169	-7.7%
61.7%	2,144	1,959	-185	-8.6%
63.0%	2,051	1,957	-94	-4.6%
64.2%	1,926	1,914	-12	-0.6%
65.4%	1,888	1,897	9	0.5%
66.7%	1,848	1,851	3	0.1%
67.9%	1,811	1,844	33	1.8%
69.1%	1,662	1,838	175	10.5%
70.4%	1,662	1,834	173	10.4%
71.6%	1,659	1,792	133	8.0%
72.8%	1,659	1,792	133	8.0%
74.1%	1,659	1,770	111	6.7%
75.3%	1,659	1,750	91	5.5%
76.5%	1,659	1,737	79	4.7%
77.8%	1,553	1,667	114	7.4%
79.0%	1,399	1,661	262	18.7%
80.2%	1,290	1,659	369	28.6%
81.5%	1,279	1,498	219	17.1%
82.7%	1,225	1,494	269	21.9%
84.0%	1,221	1,473	252	20.7%
85.2%	1,172	1,351	179	15.2%
86.4%	1,115	1,290	175	15.7%
87.7%	918	1,288	370	40.2%
88.9%	918	1,114	197	21.4%
90.1%	913	1,108	195	21.4%
91.4%	890	1,096	206	23.2%
92.6%	807	958	151	18.7%
93.8%	747	937	190	25.4%
95.1%	734	887	154	20.9%
96.3%	733	717	-16	-2.2%
97.5%	693	644	-49	-7.0%
98.8%	634	604	-31	-4.8%
100.0%	210	416	206	98.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,912	-23	-0.5%
1.2%	4,935	4,541	-395	-8.0%
2.5%	4,924	4,443	-481	-9.8%
3.7%	4,918	4,420	-497	-10.1%
4.9%	4,913	4,360	-553	-11.3%
6.2%	4,888	4,287	-601	-12.3%
7.4%	4,834	4,280	-554	-11.5%
8.6%	4,758	4,188	-569	-12.0%
9.9%	4,655	4,186	-469	-10.1%
11.1%	4,647	4,142	-505	-10.9%
12.3%	4,585	4,135	-450	-9.8%
13.6%	4,420	4,115	-305	-6.9%
14.8%	4,408	4,028	-380	-8.6%
16.0%	4,348	3,969	-378	-8.7%
17.3%	4,287	3,947	-340	-7.9%
18.5%	4,230	3,936	-295	-7.0%
19.8%	4,223	3,931	-293	-6.9%
21.0%	4,188	3,918	-270	-6.5%
22.2%	4,147	3,913	-235	-5.7%
23.5%	4,146	3,875	-272	-6.5%
24.7%	4,113	3,827	-285	-6.9%
25.9%	4,106	3,827	-279	-6.8%
27.2%	3,976	3,800	-176	-4.4%
28.4%	3,902	3,759	-143	-3.7%
29.6%	3,852	3,669	-183	-4.7%
30.9%	3,827	3,668	-159	-4.2%
32.1%	3,799	3,643	-156	-4.1%
33.3%	3,587	3,350	-237	-6.6%
34.6%	3,483	3,235	-247	-7.1%
35.8%	3,221	3,198	-22	-0.7%
37.0%	2,956	3,036	80	2.7%
38.3%	2,918	2,923	4	0.1%
39.5%	2,879	2,905	26	0.9%
40.7%	2,762	2,829	67	2.4%
42.0%	2,721	2,757	36	1.3%
43.2%	2,720	2,597	-123	-4.5%
44.4%	2,569	2,569	0	0.0%
45.7%	2,499	2,460	-38	-1.5%
46.9%	2,496	2,452	-43	-1.7%
48.1%	2,436	2,449	13	0.5%
49.4%	2,256	2,438	183	8.1%
50.6%	2,176	2,418	242	11.1%
51.9%	2,170	2,394	224	10.3%
53.1%	2,009	2,323	314	15.6%
54.3%	1,985	2,298	314	15.8%
55.6%	1,955	1,937	-18	-0.9%
56.8%	1,953	1,932	-21	-1.1%
58.0%	1,951	1,876	-75	-3.8%
59.3%	1,914	1,811	-103	-5.4%
60.5%	1,902	1,723	-179	-9.4%
61.7%	1,862	1,668	-194	-10.4%
63.0%	1,812	1,597	-215	-11.9%
64.2%	1,810	1,581	-230	-12.7%
65.4%	1,734	1,574	-160	-9.2%
66.7%	1,726	1,573	-152	-8.8%
67.9%	1,679	1,525	-154	-9.2%
69.1%	1,583	1,474	-109	-6.9%
70.4%	1,467	1,462	-4	-0.3%
71.6%	1,461	1,462	1	0.0%
72.8%	1,459	1,460	1	0.1%
74.1%	1,459	1,458	-1	-0.1%
75.3%	1,456	1,332	-123	-8.5%
76.5%	1,426	1,299	-127	-8.9%
77.8%	1,424	1,288	-137	-9.6%
79.0%	1,292	1,254	-38	-2.9%
80.2%	1,252	1,208	-44	-3.5%
81.5%	1,082	1,160	78	7.2%
82.7%	1,056	1,096	40	3.8%
84.0%	946	1,070	124	13.1%
85.2%	923	1,041	118	12.8%
86.4%	907	924	17	1.9%
87.7%	889	924	34	3.9%
88.9%	839	915	76	9.0%
90.1%	829	906	77	9.2%
91.4%	754	900	146	19.3%
92.6%	747	744	-3	-0.4%
93.8%	747	742	-4	-0.6%
95.1%	740	646	-93	-12.6%
96.3%	691	626	-65	-9.4%
97.5%	503	527	25	4.9%
98.8%	425	510	85	20.0%
100.0%	356	356	0	0.0%

Table SW-29-5a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative B	1,460	2,679	3,255	4,352	4,956	3,609	3,087	3,256	3,171	3,083	2,309	2,351
Difference	107	26	67	61	-13	38	36	34	-65	-264	74	-121
Percent Difference[3]	7.9%	1.0%	2.1%	1.4%	-0.3%	1.1%	1.2%	1.0%	-2.0%	-7.9%	3.3%	-4.9%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative B	1,674	3,839	3,540	8,620	8,990	5,915	4,997	5,711	5,460	3,466	3,100	3,743
Difference	204	31	21	67	1	-1	0	0	-2	-114	108	-332
Percent Difference	13.9%	0.8%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.2%	3.6%	-8.1%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative B	1,377	2,635	2,945	4,552	6,144	5,233	3,239	3,411	2,971	3,975	2,403	2,706
Difference	0	-16	112	77	9	14	1	0	13	-146	48	-170
Percent Difference	0.0%	-0.6%	4.0%	1.7%	0.1%	0.3%	0.0%	0.0%	0.5%	-3.5%	2.0%	-5.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative B	1,566	3,315	3,930	2,277	3,918	2,275	2,871	2,615	2,365	3,844	2,345	2,067
Difference	43	53	37	88	-145	3	87	59	15	-703	229	212
Percent Difference	2.8%	1.6%	1.0%	4.0%	-3.6%	0.1%	3.1%	2.3%	0.6%	-15.5%	10.8%	11.4%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative B	1,347	1,757	4,132	1,554	1,727	2,060	1,645	1,521	1,998	2,647	1,978	1,395
Difference	47	71	180	-69	45	141	-52	38	-97	-324	-66	4
Percent Difference	3.6%	4.2%	4.5%	-4.2%	2.7%	7.3%	-3.0%	2.6%	-4.6%	-10.9%	-3.2%	0.3%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative B	1,127	849	843	1,524	1,086	865	1,212	1,134	1,108	1,127	951	748
Difference	167	-40	-14	191	0	31	219	104	-325	-107	58	-187
Percent Difference	17.4%	-4.5%	-1.7%	14.4%	0.0%	3.7%	22.0%	10.0%	-22.7%	-8.7%	6.5%	-20.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-29-5b
American River at H Street, Monthly Flow
Probability of Exceedance

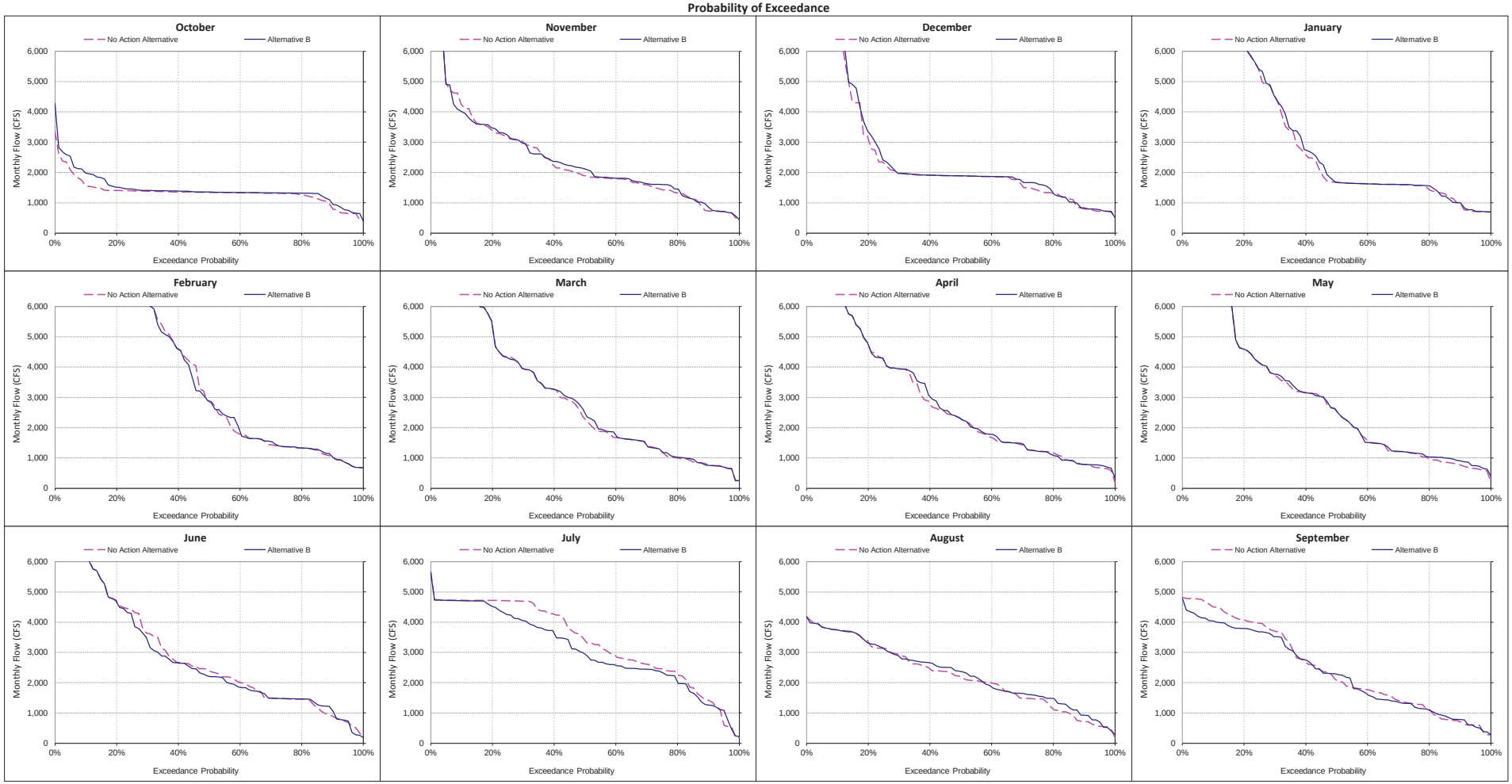

Table SW-29-5b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	4,292	939	28.0%
1.2%	2,603	2,827	224	8.6%
2.5%	2,376	2,683	307	12.9%
3.7%	2,348	2,591	242	10.3%
4.9%	2,096	2,537	441	21.1%
6.2%	1,936	2,174	238	12.3%
7.4%	1,824	2,130	306	16.7%
8.6%	1,750	2,122	372	21.2%
9.9%	1,554	1,987	432	27.8%
11.1%	1,543	1,953	410	26.6%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,854	362	24.3%
14.8%	1,482	1,831	348	23.5%
16.0%	1,412	1,782	369	26.2%
17.3%	1,409	1,589	181	12.8%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,517	111	7.9%
21.0%	1,403	1,511	108	7.7%
22.2%	1,403	1,473	70	5.0%
23.5%	1,399	1,455	56	4.0%
24.7%	1,397	1,454	57	4.1%
25.9%	1,394	1,437	43	3.1%
27.2%	1,393	1,412	19	1.4%
28.4%	1,387	1,407	20	1.4%
29.6%	1,386	1,407	22	1.6%
30.9%	1,382	1,405	22	1.6%
32.1%	1,378	1,402	24	1.7%
33.3%	1,378	1,399	21	1.5%
34.6%	1,377	1,397	20	1.4%
35.8%	1,374	1,396	22	1.6%
37.0%	1,363	1,394	31	2.3%
38.3%	1,359	1,393	33	2.4%
39.5%	1,357	1,387	30	2.2%
40.7%	1,357	1,384	27	2.0%
42.0%	1,357	1,383	26	1.9%
43.2%	1,356	1,379	24	1.7%
44.4%	1,353	1,363	9	0.7%
45.7%	1,350	1,361	11	0.8%
46.9%	1,348	1,361	13	1.0%
48.1%	1,345	1,357	12	0.9%
49.4%	1,344	1,357	13	0.9%
50.6%	1,342	1,356	15	1.1%
51.9%	1,341	1,353	12	0.9%
53.1%	1,341	1,348	8	0.6%
54.3%	1,340	1,348	8	0.6%
55.6%	1,340	1,346	6	0.4%
56.8%	1,337	1,342	6	0.4%
58.0%	1,336	1,342	6	0.5%
59.3%	1,335	1,341	6	0.4%
60.5%	1,335	1,340	5	0.3%
61.7%	1,334	1,338	5	0.3%
63.0%	1,333	1,337	4	0.3%
64.2%	1,331	1,337	6	0.4%
65.4%	1,329	1,335	5	0.4%
66.7%	1,325	1,334	9	0.7%
67.9%	1,317	1,333	16	1.2%
69.1%	1,316	1,331	15	1.1%
70.4%	1,316	1,328	12	0.9%
71.6%	1,314	1,328	14	1.1%
72.8%	1,313	1,326	12	0.9%
74.1%	1,307	1,325	18	1.4%
75.3%	1,307	1,323	16	1.2%
76.5%	1,306	1,322	16	1.2%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,316	45	3.6%
80.2%	1,267	1,315	49	3.8%
81.5%	1,231	1,313	82	6.7%
82.7%	1,210	1,312	102	8.4%
84.0%	1,166	1,308	142	12.2%
85.2%	1,128	1,305	177	15.6%
86.4%	1,082	1,231	149	13.7%
87.7%	1,053	1,157	105	10.0%
88.9%	969	1,107	138	14.2%
90.1%	784	943	160	20.4%
91.4%	771	924	152	19.8%
92.6%	673	857	183	27.2%
93.8%	663	773	109	16.5%
95.1%	644	757	113	17.5%
96.3%	643	677	34	5.3%
97.5%	641	650	9	1.4%
98.8%	433	644	212	48.9%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,156	-56	-0.3%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	6,680	-102	-1.5%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,888	157	3.3%
7.4%	4,628	4,258	-370	-8.0%
8.6%	4,621	4,099	-522	-11.3%
9.9%	4,251	4,025	-226	-5.3%
11.1%	4,110	3,953	-157	-3.8%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,690	-115	-3.0%
14.8%	3,636	3,605	-32	-0.9%
16.0%	3,582	3,598	16	0.4%
17.3%	3,566	3,583	17	0.5%
18.5%	3,506	3,579	74	2.1%
19.8%	3,401	3,472	72	2.1%
21.0%	3,298	3,443	145	4.4%
22.2%	3,295	3,317	23	0.7%
23.5%	3,235	3,311	76	2.4%
24.7%	3,202	3,248	46	1.4%
25.9%	3,101	3,122	21	0.7%
27.2%	3,085	3,096	11	0.4%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	2,973	-66	-2.2%
30.9%	2,917	2,940	24	0.8%
32.1%	2,877	2,648	-229	-8.0%
33.3%	2,829	2,615	-215	-7.6%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,610	-3	-0.1%
37.0%	2,488	2,498	10	0.4%
38.3%	2,450	2,448	-1	-0.1%
39.5%	2,263	2,371	108	4.8%
40.7%	2,152	2,364	211	9.8%
42.0%	2,151	2,327	176	8.2%
43.2%	2,091	2,266	175	8.4%
44.4%	2,079	2,233	154	7.4%
45.7%	2,040	2,219	179	8.8%
46.9%	1,983	2,180	197	9.9%
48.1%	1,968	2,165	197	10.0%
49.4%	1,904	2,135	231	12.1%
50.6%	1,884	2,097	213	11.3%
51.9%	1,847	2,046	200	10.8%
53.1%	1,840	1,867	27	1.5%
54.3%	1,826	1,854	28	1.5%
55.6%	1,825	1,847	22	1.2%
56.8%	1,813	1,840	27	1.5%
58.0%	1,808	1,825	16	0.9%
59.3%	1,796	1,820	24	1.3%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,811	22	1.2%
63.0%	1,776	1,809	33	1.9%
64.2%	1,757	1,791	34	2.0%
65.4%	1,667	1,727	60	3.6%
66.7%	1,666	1,699	33	2.0%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,622	34	2.2%
71.6%	1,530	1,613	83	5.4%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,608	148	10.1%
75.3%	1,423	1,600	177	12.4%
76.5%	1,421	1,598	176	12.4%
77.8%	1,404	1,571	167	11.9%
79.0%	1,340	1,459	119	8.9%
80.2%	1,324	1,446	122	9.2%
81.5%	1,311	1,244	-67	-5.1%
82.7%	1,240	1,191	-49	-3.9%
84.0%	1,162	1,146	-16	-1.4%
85.2%	1,137	1,118	-19	-1.6%
86.4%	1,061	1,025	-36	-3.4%
87.7%	894	1,019	125	14.0%
88.9%	748	969	221	29.5%
90.1%	725	846	121	16.7%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	720	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	681	-1	-0.1%
97.5%	672	662	-10	-1.5%
98.8%	513	570	57	11.1%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	19,734	-58	-0.3%
1.2%	16,520	16,570	50	0.3%
2.5%	15,879	16,521	641	4.0%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,761	-7	-0.1%
6.2%	12,867	12,501	-366	-2.8%
7.4%	8,949	8,949	0	0.0%
8.6%	8,757	8,750	-6	-0.1%
9.9%	7,132	7,132	1	0.0%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,105	365	6.4%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,911	561	12.9%
16.0%	4,306	4,785	479	11.1%
17.3%	4,294	4,143	-151	-3.5%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,363	168	5.2%
21.0%	2,781	3,211	430	15.5%
22.2%	2,742	2,996	254	9.3%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,411	69	3.0%
25.9%	2,221	2,343	122	5.5%
27.2%	2,096	2,219	122	5.8%
28.4%	2,059	2,089	30	1.5%
29.6%	2,002	1,972	-29	-1.5%
30.9%	1,969	1,968	-1	-0.1%
32.1%	1,950	1,966	16	0.8%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,911	0	0.0%
42.0%	1,899	1,907	8	0.4%
43.2%	1,897	1,905	8	0.4%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,892	-4	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,887	3	0.2%
51.9%	1,879	1,883	4	0.2%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,880	2	0.1%
55.6%	1,876	1,878	2	0.1%
56.8%	1,872	1,878	6	0.3%
58.0%	1,872	1,869	-2	-0.1%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	3	0.2%
64.2%	1,856	1,859	2	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,855	85	4.8%
67.9%	1,767	1,781	14	0.8%
69.1%	1,666	1,766	100	6.0%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,666	180	12.1%
74.1%	1,441	1,661	220	15.3%
75.3%	1,400	1,610	210	15.0%
76.5%	1,342	1,591	249	18.6%
77.8%	1,340	1,549	208	15.5%
79.0%	1,333	1,456	124	9.3%
80.2%	1,303	1,284	-19	-1.4%
81.5%	1,285	1,221	-64	-5.0%
82.7%	1,181	1,210	29	2.5%
84.0%	1,178	1,185	7	0.6%
85.2%	1,132	1,021	-112	-9.9%
86.4%	1,094	1,018	-76	-6.9%
87.7%	852	985	133	15.7%
88.9%	829	841	13	1.5%
90.1%	799	827	28	3.5%
91.4%	790	795	5	0.7%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	773	51	7.1%
96.3%	722	731	10	1.4%
97.5%	718	722	3	0.5%
98.8%	689	719	29	4.3%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,274	3	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,648	0	0.0%
3.7%	15,531	15,812	281	1.8%
4.9%	14,746	15,525	778	5.3%
6.2%	12,801	12,802	1	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,656	122	1.2%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,461	0	0.0%
18.5%	6,778	6,676	-102	-1.5%
19.8%	6,640	6,676	36	0.5%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,845	28	0.5%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,417	-1	0.0%
25.9%	4,982	5,330	348	7.0%
27.2%	4,907	4,939	33	0.7%
28.4%	4,861	4,896	34	0.7%
29.6%	4,565	4,553	-13	-0.3%
30.9%	4,346	4,343	-3	-0.1%
32.1%	3,937	4,191	254	6.5%
33.3%	3,528	3,935	407	11.5%
34.6%	3,392	3,491	100	2.9%
35.8%	3,364	3,388	24	0.7%
37.0%	2,907	3,376	469	16.1%
38.3%	2,782	3,204	421	15.1%
39.5%	2,644	2,755	111	4.2%
40.7%	2,487	2,711	225	9.0%
42.0%	2,482	2,644	163	6.6%
43.2%	2,375	2,549	173	7.3%
44.4%	2,079	2,336	257	12.4%
45.7%	1,863	2,254	391	21.0%
46.9%	1,712	1,929	217	12.7%
48.1%	1,704	1,811	107	6.3%
49.4%	1,676	1,704	28	1.7%
50.6%	1,664	1,664	0	0.0%
51.9%	1,659	1,659	0	0.0%
53.1%	1,653	1,653	0	0.0%
54.3%	1,644	1,644	0	0.0%
55.6%	1,641	1,641	0	0.0%
56.8%	1,638	1,638	0	0.0%
58.0%	1,631	1,631	0	0.0%
59.3%	1,631	1,627	-4	-0.3%
60.5%	1,627	1,621	-5	-0.3%
61.7%	1,621	1,616	-5	-0.3%
63.0%	1,616	1,613	-3	-0.2%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,604	3	0.2%
71.6%	1,599	1,600	2	0.1%
72.8%	1,597	1,599	2	0.1%
74.1%	1,582	1,597	15	0.9%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,568	50	3.3%
80.2%	1,418	1,554	136	9.6%
81.5%	1,375	1,465	90	6.6%
82.7%	1,340	1,375	35	2.6%
84.0%	1,325	1,221	-104	-7.9%
85.2%	1,296	1,219	-77	-5.9%
86.4%	1,173	1,124	-49	-4.2%
87.7%	1,149	1,015	-134	-11.6%
88.9%	1,016	1,003	-13	-1.2%
90.1%	973	998	25	2.5%
91.4%	774	834	60	7.7%
92.6%	748	774	26	3.5%
93.8%	721	767	46	6.3%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	699	-3	-0.5%
100.0%	700	694	-7	-0.9%

Table SW-29-5b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,214	-13	0.0%
1.2%	15,568	15,563	-6	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,469	14	0.1%
4.9%	13,388	13,389	1	0.0%
6.2%	13,055	13,055	0	0.0%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,317	-2	0.0%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,513	6	0.1%
14.8%	10,012	10,005	-7	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,151	-14	-0.2%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,865	-3	0.0%
23.5%	7,716	7,645	-71	-0.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,027	-3	0.0%
27.2%	6,732	6,540	-192	-2.8%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,075	0	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,402	-150	-2.7%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,851	-13	-0.3%
39.5%	4,621	4,621	0	0.0%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,666	-426	-10.4%
45.7%	4,049	3,222	-827	-20.4%
46.9%	3,294	3,210	-83	-2.5%
48.1%	3,218	3,068	-150	-4.7%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-39	-1.3%
51.9%	2,723	2,606	-117	-4.3%
53.1%	2,452	2,595	143	5.8%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,383	37	1.6%
56.8%	2,066	2,340	274	13.3%
58.0%	1,895	2,334	438	23.1%
59.3%	1,814	2,065	252	13.9%
60.5%	1,754	1,714	-40	-2.3%
61.7%	1,747	1,687	-61	-3.5%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,560	4	0.3%
69.1%	1,442	1,557	115	7.9%
70.4%	1,435	1,529	95	6.6%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,334	0	0.0%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,291	17	1.3%
85.2%	1,253	1,280	28	2.2%
86.4%	1,152	1,223	71	6.2%
87.7%	1,103	1,153	50	4.5%
88.9%	1,083	1,152	68	6.3%
90.1%	986	1,026	41	4.1%
91.4%	954	938	-16	-1.7%
92.6%	936	938	1	0.1%
93.8%	842	863	21	2.5%
95.1%	815	815	0	0.0%
96.3%	731	730	-1	-0.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,591	20	0.1%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,009	133	1.1%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,451	15	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,405	611	7.8%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,496	-1	0.0%
23.5%	4,368	4,352	-16	-0.4%
24.7%	4,347	4,322	-25	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,242	-11	-0.2%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,905	-4	-0.1%
33.3%	3,831	3,810	-21	-0.5%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,307	2	0.1%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,190	192	6.4%
43.2%	2,979	3,066	87	2.9%
44.4%	2,924	3,001	77	2.6%
45.7%	2,880	2,977	98	3.4%
46.9%	2,773	2,887	115	4.1%
48.1%	2,592	2,773	181	7.0%
49.4%	2,363	2,599	236	10.0%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,297	217	10.4%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,962	80	4.2%
55.6%	1,872	1,941	69	3.7%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,868	80	4.4%
59.3%	1,678	1,861	183	10.9%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,552	0	0.0%
70.4%	1,383	1,362	-21	-1.6%
71.6%	1,362	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,175	3	0.2%
76.5%	1,055	1,173	117	11.1%
77.8%	1,035	1,076	41	3.9%
79.0%	1,014	1,035	21	2.1%
80.2%	1,000	1,025	25	2.5%
81.5%	974	1,013	38	3.9%
82.7%	969	989	21	2.1%
84.0%	932	978	46	5.0%
85.2%	865	959	94	10.9%
86.4%	854	843	-11	-1.3%
87.7%	833	835	2	0.2%
88.9%	823	775	-48	-5.8%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	736	-7	-1.0%
93.8%	743	728	-15	-2.0%
95.1%	685	696	12	1.7%
96.3%	664	655	-8	-1.3%
97.5%	655	648	-8	-1.2%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,702	9	0.1%
7.4%	6,681	6,680	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,694	1	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,333	-128	-2.9%
23.5%	4,336	4,312	-24	-0.6%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,040	0	0.0%
27.2%	3,968	3,968	0	0.0%
28.4%	3,968	3,968	0	0.0%
29.6%	3,938	3,946	8	0.2%
30.9%	3,933	3,936	3	0.1%
32.1%	3,926	3,933	7	0.2%
33.3%	3,812	3,877	65	1.7%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,545	79	2.3%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,463	540	18.5%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,942	263	9.8%
42.0%	2,643	2,881	237	9.0%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,398	10	0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,257	3	0.1%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	2,040	-74	-3.5%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,964	96	5.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,799	21	1.2%
59.3%	1,702	1,781	78	4.6%
60.5%	1,646	1,780	134	8.1%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,549	24	1.6%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,511	0	0.0%
66.7%	1,503	1,503	0	0.0%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,489	39	2.7%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,237	1	0.1%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,205	0	0.0%
79.0%	1,198	1,132	-66	-5.5%
80.2%	1,155	1,073	-82	-7.1%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	932	-123	-11.6%
84.0%	948	929	-19	-2.0%
85.2%	919	921	2	0.2%
86.4%	899	910	11	1.3%
87.7%	850	813	-37	-4.4%
88.9%	798	797	-1	-0.1%
90.1%	783	791	8	1.0%
91.4%	783	779	-4	-0.5%
92.6%	720	779	58	8.1%
93.8%	685	775	90	13.1%
95.1%	680	762	82	12.1%
96.3%	654	741	88	13.4%
97.5%	640	691	51	8.0%
98.8%	579	662	83	14.4%
100.0%	188	339	151	80.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,899	10	0.2%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,068	5	0.1%
27.2%	4,060	4,034	-26	-0.6%
28.4%	3,817	3,816	-1	0.0%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,760	103	2.8%
32.1%	3,550	3,690	141	4.0%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,275	80	2.5%
38.3%	3,191	3,191	0	0.0%
39.5%	3,160	3,165	5	0.2%
40.7%	3,142	3,142	0	0.0%
42.0%	3,134	3,134	0	0.0%
43.2%	3,121	3,060	-61	-1.9%
44.4%	3,060	3,043	-17	-0.6%
45.7%	3,034	3,009	-25	-0.8%
46.9%	2,760	2,861	101	3.6%
48.1%	2,674	2,658	-15	-0.6%
49.4%	2,626	2,627	1	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,266	12	0.5%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,973	3	0.2%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,494	-10	-0.7%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,360	125	10.1%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	15	1.3%
76.5%	1,090	1,145	55	5.1%
77.8%	1,038	1,130	92	8.9%
79.0%	1,029	1,045	16	1.6%
80.2%	947	1,032	85	9.0%
81.5%	941	1,032	91	9.6%
82.7%	928	1,023	95	10.2%
84.0%	870	1,021	151	17.3%
85.2%	863	995	132	15.2%
86.4%	845	985	139	16.5%
87.7%	830	960	130	15.7%
88.9%	796	923	128	16.0%
90.1%	768	905	136	17.7%
91.4%	716	875	159	22.2%
92.6%	698	860	162	23.2%
93.8%	661	749	88	13.4%
95.1%	649	743	95	14.6%
96.3%	627	719	92	14.7%
97.5%	594	652	59	9.9%
98.8%	571	626	55	9.6%
100.0%	188	384	196	104.1%

Table SW-29-5b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,828	11	0.2%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,708	-31	-0.6%
21.0%	4,541	4,489	-52	-1.1%
22.2%	4,482	4,456	-26	-0.6%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	3,854	-462	-10.7%
27.2%	4,294	3,792	-502	-11.7%
28.4%	3,813	3,647	-166	-4.4%
29.6%	3,647	3,500	-146	-4.0%
30.9%	3,617	3,165	-451	-12.5%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	3,013	-488	-13.9%
34.6%	3,143	2,887	-256	-8.2%
35.8%	3,065	2,878	-187	-6.1%
37.0%	2,864	2,773	-91	-3.2%
38.3%	2,776	2,672	-105	-3.8%
39.5%	2,672	2,657	-14	-0.5%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,639	0	0.0%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,465	-89	-3.5%
45.7%	2,528	2,457	-71	-2.8%
46.9%	2,468	2,325	-144	-5.8%
48.1%	2,464	2,285	-179	-7.3%
49.4%	2,447	2,227	-219	-9.0%
50.6%	2,363	2,200	-163	-6.9%
51.9%	2,327	2,197	-131	-5.6%
53.1%	2,296	2,193	-103	-4.5%
54.3%	2,197	2,163	-34	-1.5%
55.6%	2,193	2,013	-180	-8.2%
56.8%	2,176	1,974	-202	-9.3%
58.0%	2,116	1,949	-166	-7.9%
59.3%	2,029	1,862	-167	-8.2%
60.5%	1,997	1,839	-159	-7.9%
61.7%	1,966	1,835	-131	-6.7%
63.0%	1,882	1,758	-123	-6.6%
64.2%	1,839	1,729	-109	-5.9%
65.4%	1,720	1,720	0	0.0%
66.7%	1,712	1,677	-35	-2.0%
67.9%	1,495	1,633	137	9.2%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,469	12	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,232	187	17.9%
87.7%	980	1,222	243	24.8%
88.9%	946	1,216	270	28.6%
90.1%	889	1,058	169	19.0%
91.4%	814	800	-14	-1.7%
92.6%	803	786	-17	-2.2%
93.8%	726	769	42	5.8%
95.1%	690	728	38	5.5%
96.3%	550	352	-198	-36.0%
97.5%	511	274	-237	-46.3%
98.8%	332	258	-74	-22.2%
100.0%	188	190	2	1.0%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,720	-7	-0.2%
7.4%	4,727	4,717	-10	-0.2%
8.6%	4,727	4,713	-14	-0.3%
9.9%	4,726	4,712	-14	-0.3%
11.1%	4,724	4,708	-15	-0.3%
12.3%	4,723	4,707	-16	-0.3%
13.6%	4,723	4,706	-17	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,702	-17	-0.4%
17.3%	4,719	4,694	-25	-0.5%
18.5%	4,718	4,600	-118	-2.5%
19.8%	4,717	4,526	-191	-4.0%
21.0%	4,717	4,488	-229	-4.9%
22.2%	4,716	4,392	-324	-6.9%
23.5%	4,712	4,324	-387	-8.2%
24.7%	4,709	4,249	-460	-9.8%
25.9%	4,707	4,232	-475	-10.1%
27.2%	4,707	4,127	-580	-12.3%
28.4%	4,702	4,119	-584	-12.4%
29.6%	4,698	4,063	-635	-13.5%
30.9%	4,690	4,035	-655	-14.0%
32.1%	4,684	3,932	-752	-16.1%
33.3%	4,623	3,895	-728	-15.8%
34.6%	4,424	3,825	-599	-13.5%
35.8%	4,373	3,811	-562	-12.8%
37.0%	4,364	3,751	-613	-14.1%
38.3%	4,288	3,726	-562	-13.1%
39.5%	4,282	3,723	-559	-13.1%
40.7%	4,233	3,483	-750	-17.7%
42.0%	4,232	3,480	-752	-17.8%
43.2%	4,105	3,467	-638	-15.5%
44.4%	3,838	3,429	-410	-10.7%
45.7%	3,723	3,125	-598	-16.1%
46.9%	3,639	3,115	-525	-14.4%
48.1%	3,615	3,036	-579	-16.0%
49.4%	3,480	2,990	-491	-14.1%
50.6%	3,323	2,892	-431	-13.0%
51.9%	3,319	2,754	-565	-17.0%
53.1%	3,262	2,744	-519	-15.9%
54.3%	3,260	2,674	-586	-18.0%
55.6%	3,123	2,672	-451	-14.4%
56.8%	3,068	2,623	-445	-14.5%
58.0%	2,979	2,602	-377	-12.7%
59.3%	2,939	2,602	-337	-11.5%
60.5%	2,835	2,556	-278	-9.8%
61.7%	2,819	2,554	-265	-9.4%
63.0%	2,772	2,481	-291	-10.5%
64.2%	2,754	2,477	-277	-10.1%
65.4%	2,750	2,472	-278	-10.1%
66.7%	2,706	2,466	-240	-8.9%
67.9%	2,659	2,453	-206	-7.7%
69.1%	2,623	2,446	-177	-6.8%
70.4%	2,609	2,441	-168	-6.4%
71.6%	2,578	2,438	-140	-5.4%
72.8%	2,477	2,400	-77	-3.1%
74.1%	2,466	2,383	-83	-3.4%
75.3%	2,457	2,325	-132	-5.4%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,240	-144	-6.0%
79.0%	2,382	2,232	-150	-6.3%
80.2%	2,247	1,972	-276	-12.3%
81.5%	2,225	1,968	-256	-11.5%
82.7%	2,102	1,965	-137	-6.5%
84.0%	1,849	1,703	-146	-7.9%
85.2%	1,824	1,649	-175	-9.6%
86.4%	1,644	1,534	-109	-6.6%
87.7%	1,542	1,373	-169	-10.9%
88.9%	1,443	1,282	-161	-11.2%
90.1%	1,413	1,257	-156	-11.0%
91.4%	1,349	1,254	-95	-7.1%
92.6%	1,190	1,194	4	0.3%
93.8%	1,091	1,119	28	2.6%
95.1%	588	1,080	492	83.7%
96.3%	556	766	210	37.8%
97.5%	546	463	-82	-15.1%
98.8%	188	248	60	32.0%
100.0%	188	218	30	15.9%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,939	-28	-0.7%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,780	1	0.0%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,682	-3	-0.1%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,554	6	0.2%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,312	-80	-2.4%
21.0%	3,192	3,284	92	2.9%
22.2%	3,157	3,267	110	3.5%
23.5%	3,143	3,203	60	1.9%
24.7%	3,136	3,156	20	0.6%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	2,993	-15	-0.5%
28.4%	2,967	2,932	-35	-1.2%
29.6%	2,941	2,903	-38	-1.3%
30.9%	2,892	2,786	-106	-3.7%
32.1%	2,862	2,785	-77	-2.7%
33.3%	2,687	2,751	64	2.4%
34.6%	2,628	2,733	105	4.0%
35.8%	2,625	2,707	82	3.1%
37.0%	2,594	2,686	92	3.5%
38.3%	2,562	2,680	119	4.6%
39.5%	2,501	2,664	163	6.5%
40.7%	2,398	2,642	244	10.2%
42.0%	2,393	2,561	168	7.0%
43.2%	2,391	2,519	128	5.4%
44.4%	2,372	2,512	140	5.9%
45.7%	2,360	2,510	150	6.4%
46.9%	2,323	2,500	177	7.6%
48.1%	2,238	2,404	165	7.4%
49.4%	2,224	2,385	161	7.3%
50.6%	2,158	2,354	196	9.1%
51.9%	2,098	2,313	215	10.3%
53.1%	2,079	2,218	139	6.7%
54.3%	2,074	2,213	139	6.7%
55.6%	2,063	2,146	83	4.0%
56.8%	2,029	2,056	28	1.4%
58.0%	2,020	1,957	-62	-3.1%
59.3%	2,013	1,910	-103	-5.1%
60.5%	1,982	1,818	-165	-8.3%
61.7%	1,949	1,782	-167	-8.6%
63.0%	1,866	1,757	-109	-5.8%
64.2%	1,726	1,722	-4	-0.2%
65.4%	1,699	1,712	13	0.8%
66.7%	1,667	1,665	-2	-0.1%
67.9%	1,617	1,651	34	2.1%
69.1%	1,489	1,649	160	10.7%
70.4%	1,489	1,649	160	10.7%
71.6%	1,482	1,609	127	8.6%
72.8%	1,473	1,603	130	8.8%
74.1%	1,470	1,584	113	7.7%
75.3%	1,470	1,556	86	5.9%
76.5%	1,466	1,548	81	5.5%
77.8%	1,370	1,489	119	8.7%
79.0%	1,213	1,483	270	22.2%
80.2%	1,102	1,474	372	33.7%
81.5%	1,093	1,317	224	20.5%
82.7%	1,041	1,301	260	25.0%
84.0%	1,040	1,293	252	24.3%
85.2%	993	1,171	179	18.0%
86.4%	922	1,102	181	19.6%
87.7%	750	1,100	350	46.6%
88.9%	728	932	203	27.9%
90.1%	723	921	197	27.3%
91.4%	703	912	210	29.8%
92.6%	624	773	148	23.7%
93.8%	571	769	198	34.7%
95.1%	561	701	140	25.0%
96.3%	549	527	-21	-3.9%
97.5%	545	522	-23	-4.2%
98.8%	444	413	-31	-6.9%
100.0%	188	298	110	58.7%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,404	-388	-8.1%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,300	-479	-10.0%
4.9%	4,773	4,206	-567	-11.9%
6.2%	4,751	4,144	-607	-12.8%
7.4%	4,679	4,136	-543	-11.6%
8.6%	4,607	4,051	-556	-12.1%
9.9%	4,514	4,039	-474	-10.5%
11.1%	4,494	4,001	-492	-11.0%
12.3%	4,463	3,984	-479	-10.7%
13.6%	4,341	3,972	-368	-8.5%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,800	-344	-8.3%
18.5%	4,089	3,797	-292	-7.1%
19.8%	4,080	3,795	-285	-7.0%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,762	-242	-6.0%
23.5%	4,001	3,720	-281	-7.0%
24.7%	3,965	3,682	-283	-7.1%
25.9%	3,960	3,681	-278	-7.0%
27.2%	3,840	3,661	-179	-4.7%
28.4%	3,758	3,620	-139	-3.7%
29.6%	3,712	3,524	-188	-5.1%
30.9%	3,684	3,522	-162	-4.4%
32.1%	3,660	3,497	-163	-4.4%
33.3%	3,453	3,204	-249	-7.2%
34.6%	3,337	3,101	-235	-7.1%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,895	82	2.9%
38.3%	2,784	2,789	5	0.2%
39.5%	2,739	2,771	32	1.2%
40.7%	2,610	2,718	108	4.2%
42.0%	2,588	2,605	18	0.7%
43.2%	2,569	2,460	-110	-4.3%
44.4%	2,428	2,458	30	1.2%
45.7%	2,368	2,319	-49	-2.1%
46.9%	2,350	2,317	-33	-1.4%
48.1%	2,286	2,302	17	0.7%
49.4%	2,119	2,296	176	8.3%
50.6%	2,029	2,267	238	11.7%
51.9%	2,027	2,251	225	11.1%
53.1%	1,897	2,178	280	14.8%
54.3%	1,842	2,157	316	17.1%
55.6%	1,835	1,807	-28	-1.6%
56.8%	1,813	1,792	-21	-1.1%
58.0%	1,806	1,740	-66	-3.6%
59.3%	1,776	1,671	-105	-5.9%
60.5%	1,763	1,579	-184	-10.4%
61.7%	1,722	1,535	-186	-10.8%
63.0%	1,671	1,464	-207	-12.4%
64.2%	1,665	1,454	-211	-12.7%
65.4%	1,610	1,436	-174	-10.8%
66.7%	1,585	1,435	-150	-9.5%
67.9%	1,535	1,396	-139	-9.1%
69.1%	1,438	1,384	-53	-3.7%
70.4%	1,396	1,354	-43	-3.1%
71.6%	1,357	1,320	-37	-2.7%
72.8%	1,339	1,318	-21	-1.6%
74.1%	1,318	1,312	-6	-0.5%
75.3%	1,312	1,189	-122	-9.3%
76.5%	1,286	1,154	-132	-10.3%
77.8%	1,280	1,145	-135	-10.5%
79.0%	1,150	1,130	-19	-1.7%
80.2%	1,109	1,076	-33	-3.0%
81.5%	944	1,024	79	8.4%
82.7%	906	959	52	5.8%
84.0%	805	931	126	15.7%
85.2%	790	900	110	13.9%
86.4%	771	840	69	8.9%
87.7%	758	791	33	4.3%
88.9%	754	788	34	4.5%
90.1%	707	785	78	11.0%
91.4%	633	769	135	21.4%
92.6%	606	602	-4	-0.7%
93.8%	605	601	-4	-0.6%
95.1%	603	533	-70	-11.5%
96.3%	598	503	-95	-15.9%
97.5%	367	383	17	4.5%
98.8%	281	374	93	33.1%
100.0%	281	281	0	0.0%

Table SW-46-5a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,391	3,310	5,688	8,005	8,934	9,288	5,661	6,395	5,916	8,753	5,958	5,411
Alternative B	3,278	3,233	5,496	7,976	8,979	9,318	5,612	6,326	5,917	8,656	6,160	5,713
Difference	-113	-77	-193	-29	45	29	-49	-69	2	-97	203	302
Percent Difference[3]	-3.3%	-2.3%	-3.4%	-0.4%	0.5%	0.3%	-0.9%	-1.1%	0.0%	-1.1%	3.4%	5.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,413	4,541	7,604	17,055	17,558	18,241	10,720	12,703	9,229	8,577	5,372	9,157
Alternative B	4,217	4,343	7,020	17,060	17,409	18,271	10,719	12,706	9,336	8,627	5,433	9,333
Difference	-196	-198	-584	5	-150	31	0	3	107	50	60	176
Percent Difference	-4.4%	-4.4%	-7.7%	0.0%	-0.9%	0.2%	0.0%	0.0%	1.2%	0.6%	1.1%	1.9%
Above Normal (15%)												
No Action Alternative	4,143	3,418	5,228	7,269	9,498	11,635	5,461	6,404	5,931	10,210	7,446	7,683
Alternative B	4,100	3,438	4,723	7,383	9,551	11,890	5,461	6,554	6,360	10,160	7,303	8,048
Difference	-42	21	-505	114	53	255	0	151	429	-50	-144	365
Percent Difference	-1.0%	0.6%	-9.7%	1.6%	0.6%	2.2%	0.0%	2.4%	7.2%	-0.5%	-1.9%	4.7%
Below Normal (17%)												
No Action Alternative	3,332	3,305	5,318	3,740	5,403	4,142	3,451	3,136	4,345	9,846	7,514	3,235
Alternative B	3,133	3,305	5,907	3,537	6,043	4,116	3,451	3,120	4,592	9,715	7,316	3,284
Difference	-199	0	589	-203	640	-26	0	-16	247	-131	-198	49
Percent Difference	-6.0%	0.0%	11.1%	-5.4%	11.9%	-0.6%	0.0%	-0.5%	5.7%	-1.3%	-2.6%	1.5%
Dry (22%)												
No Action Alternative	2,533	2,504	5,639	2,611	3,179	3,379	2,652	2,642	4,174	8,766	6,649	2,492
Alternative B	2,408	2,464	5,411	2,552	3,113	3,235	2,569	2,316	3,778	8,582	7,283	3,004
Difference	-125	-41	-228	-59	-66	-144	-83	-326	-396	-184	633	512
Percent Difference	-4.9%	-1.6%	-4.0%	-2.3%	-2.1%	-4.3%	-3.1%	-12.3%	-9.5%	-2.1%	9.5%	20.5%
Critical (15%)												
No Action Alternative	1,779	1,747	2,504	2,197	2,437	2,414	1,990	2,149	3,166	6,382	2,885	1,941
Alternative B	1,893	1,693	2,613	2,200	2,369	2,540	1,782	2,028	2,823	6,091	3,563	2,435
Difference	114	-54	109	3	-68	126	-208	-121	-343	-291	678	494
Percent Difference	6.4%	-3.1%	4.3%	0.1%	-2.8%	5.2%	-10.4%	-5.6%	-10.8%	-4.6%	23.5%	25.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-46-5b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

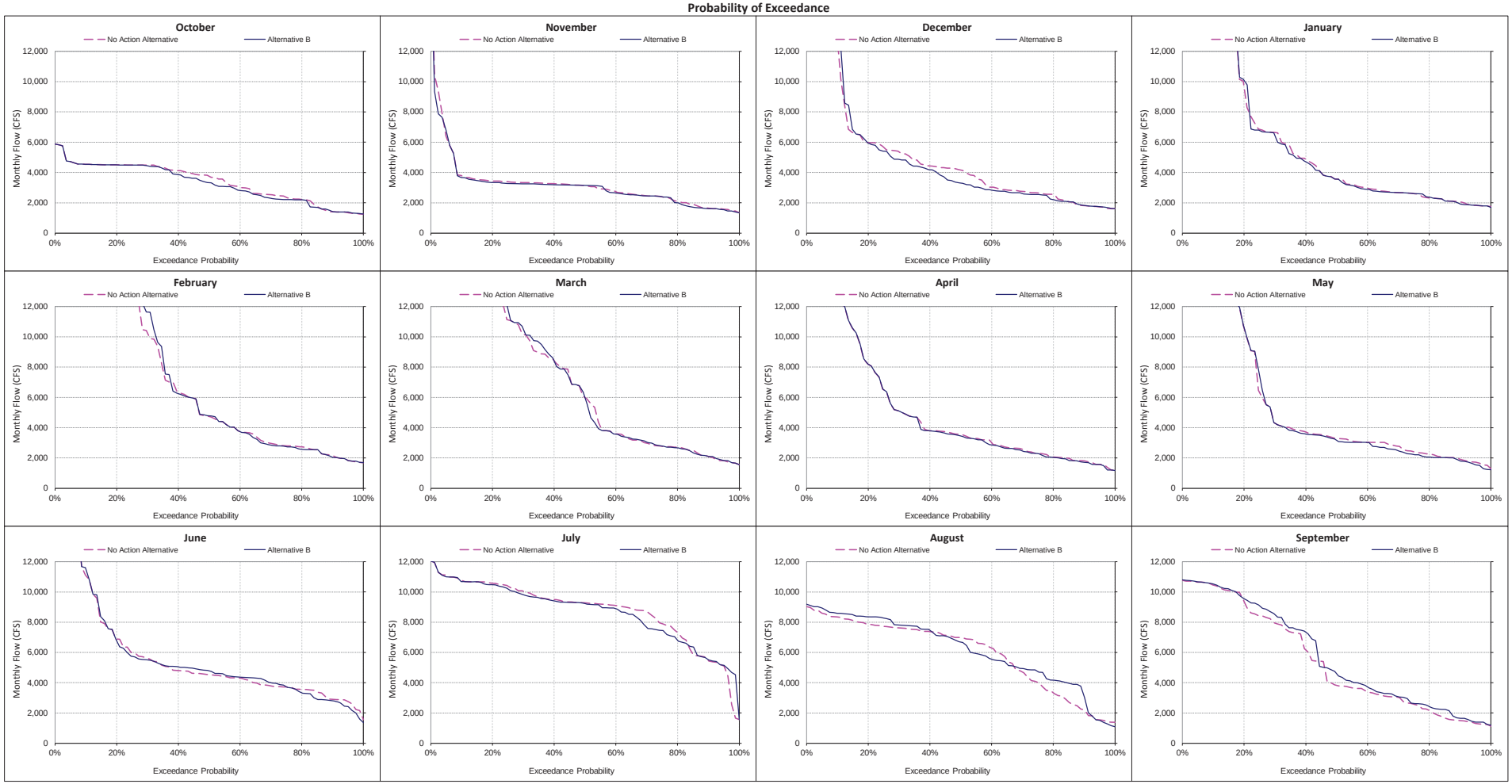

Table SW-46-5b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,878	-6	-0.1%
1.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,756	-1	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,639	0	0.0%
7.4%	4,558	4,557	-1	0.0%
8.6%	4,556	4,556	0	0.0%
9.9%	4,548	4,547	-1	0.0%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,523	-3	-0.1%
13.6%	4,523	4,519	-4	-0.1%
14.8%	4,519	4,514	-5	-0.1%
16.0%	4,514	4,506	-8	-0.2%
17.3%	4,510	4,505	-5	-0.1%
18.5%	4,507	4,501	-6	-0.1%
19.8%	4,505	4,499	-6	-0.1%
21.0%	4,501	4,497	-4	-0.1%
22.2%	4,499	4,496	-3	-0.1%
23.5%	4,496	4,491	-5	-0.1%
24.7%	4,493	4,490	-3	-0.1%
25.9%	4,492	4,490	-2	-0.1%
27.2%	4,492	4,489	-3	-0.1%
28.4%	4,491	4,484	-7	-0.1%
29.6%	4,489	4,454	-36	-0.8%
30.9%	4,489	4,411	-79	-1.7%
32.1%	4,484	4,397	-87	-1.9%
33.3%	4,392	4,383	-8	-0.2%
34.6%	4,376	4,298	-78	-1.8%
35.8%	4,282	4,188	-94	-2.2%
37.0%	4,178	4,178	-1	0.0%
38.3%	4,155	3,903	-252	-6.1%
39.5%	4,128	3,872	-256	-6.2%
40.7%	4,122	3,845	-277	-6.7%
42.0%	4,057	3,691	-366	-9.0%
43.2%	3,992	3,673	-319	-8.0%
44.4%	3,942	3,612	-330	-8.4%
45.7%	3,874	3,611	-262	-6.8%
46.9%	3,842	3,480	-363	-9.4%
48.1%	3,839	3,393	-446	-11.6%
49.4%	3,817	3,332	-486	-12.7%
50.6%	3,678	3,311	-367	-10.0%
51.9%	3,675	3,170	-505	-13.7%
53.1%	3,574	3,077	-497	-13.9%
54.3%	3,572	3,076	-495	-13.9%
55.6%	3,318	3,066	-252	-7.6%
56.8%	3,157	3,060	-97	-3.1%
58.0%	3,124	2,972	-152	-4.9%
59.3%	3,083	2,839	-245	-7.9%
60.5%	3,006	2,791	-215	-7.1%
61.7%	2,977	2,776	-201	-6.8%
63.0%	2,935	2,709	-226	-7.7%
64.2%	2,621	2,565	-56	-2.1%
65.4%	2,606	2,527	-80	-3.1%
66.7%	2,579	2,476	-102	-4.0%
67.9%	2,566	2,363	-203	-7.9%
69.1%	2,549	2,323	-226	-8.9%
70.4%	2,529	2,277	-252	-10.0%
71.6%	2,476	2,245	-232	-9.4%
72.8%	2,463	2,231	-233	-9.5%
74.1%	2,447	2,209	-238	-9.7%
75.3%	2,324	2,208	-116	-5.0%
76.5%	2,276	2,206	-70	-3.1%
77.8%	2,241	2,199	-42	-1.9%
79.0%	2,236	2,196	-40	-1.8%
80.2%	2,206	2,190	-16	-0.7%
81.5%	2,193	2,156	-36	-1.6%
82.7%	2,121	1,729	-392	-18.5%
84.0%	1,892	1,716	-176	-9.3%
85.2%	1,717	1,696	-21	-1.2%
86.4%	1,595	1,595	0	0.0%
87.7%	1,501	1,593	91	6.1%
88.9%	1,411	1,513	103	7.3%
90.1%	1,410	1,410	0	0.0%
91.4%	1,392	1,394	1	0.1%
92.6%	1,390	1,391	1	0.0%
93.8%	1,390	1,391	1	0.1%
95.1%	1,333	1,389	55	4.1%
96.3%	1,304	1,331	27	2.1%
97.5%	1,299	1,303	4	0.3%
98.8%	1,261	1,297	36	2.8%
100.0%	1,254	1,262	8	0.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,365	-1,035	-10.0%
2.5%	9,369	7,878	-1,490	-15.9%
3.7%	7,878	7,643	-235	-3.0%
4.9%	6,402	6,823	422	6.6%
6.2%	5,780	5,780	0	0.0%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,795	-38	-1.0%
9.9%	3,798	3,669	-129	-3.4%
11.1%	3,669	3,653	-16	-0.4%
12.3%	3,661	3,553	-108	-2.9%
13.6%	3,588	3,508	-80	-2.2%
14.8%	3,553	3,485	-68	-1.9%
16.0%	3,516	3,436	-79	-2.3%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,347	-118	-3.4%
19.8%	3,435	3,336	-99	-2.9%
21.0%	3,434	3,336	-98	-2.9%
22.2%	3,430	3,332	-98	-2.9%
23.5%	3,398	3,285	-113	-3.3%
24.7%	3,393	3,280	-114	-3.4%
25.9%	3,368	3,267	-101	-3.0%
27.2%	3,349	3,266	-84	-2.5%
28.4%	3,347	3,257	-90	-2.7%
29.6%	3,339	3,254	-85	-2.5%
30.9%	3,336	3,254	-82	-2.5%
32.1%	3,332	3,253	-79	-2.4%
33.3%	3,317	3,250	-67	-2.0%
34.6%	3,308	3,229	-79	-2.4%
35.8%	3,294	3,223	-71	-2.2%
37.0%	3,280	3,213	-66	-2.0%
38.3%	3,267	3,201	-66	-2.0%
39.5%	3,266	3,196	-70	-2.2%
40.7%	3,257	3,183	-74	-2.3%
42.0%	3,253	3,176	-77	-2.4%
43.2%	3,229	3,174	-56	-1.7%
44.4%	3,223	3,167	-56	-1.7%
45.7%	3,183	3,165	-18	-0.6%
46.9%	3,167	3,163	-4	-0.1%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,111	3,156	45	1.5%
51.9%	3,068	3,143	75	2.5%
53.1%	3,058	3,137	79	2.6%
54.3%	2,907	3,111	204	7.0%
55.6%	2,906	3,078	172	5.9%
56.8%	2,892	2,791	-101	-3.5%
58.0%	2,824	2,687	-137	-4.8%
59.3%	2,791	2,668	-124	-4.4%
60.5%	2,687	2,628	-59	-2.2%
61.7%	2,661	2,599	-61	-2.3%
63.0%	2,628	2,560	-68	-2.6%
64.2%	2,599	2,530	-69	-2.7%
65.4%	2,560	2,522	-38	-1.5%
66.7%	2,530	2,515	-15	-0.6%
67.9%	2,515	2,486	-29	-1.2%
69.1%	2,486	2,457	-28	-1.1%
70.4%	2,451	2,451	0	0.0%
71.6%	2,448	2,448	0	0.0%
72.8%	2,444	2,444	0	0.0%
74.1%	2,430	2,430	0	0.0%
75.3%	2,375	2,375	0	0.0%
76.5%	2,371	2,371	0	0.0%
77.8%	2,267	2,333	67	2.9%
79.0%	2,129	2,006	-123	-5.8%
80.2%	2,091	2,002	-89	-4.3%
81.5%	2,006	1,884	-122	-6.1%
82.7%	2,002	1,788	-214	-10.7%
84.0%	1,914	1,753	-161	-8.4%
85.2%	1,884	1,696	-188	-10.0%
86.4%	1,788	1,674	-114	-6.4%
87.7%	1,699	1,656	-43	-2.5%
88.9%	1,674	1,624	-50	-3.0%
90.1%	1,635	1,611	-24	-1.5%
91.4%	1,611	1,602	-9	-0.6%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,565	-36	-2.3%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,463	-86	-5.6%
97.5%	1,463	1,455	-8	-0.6%
98.8%	1,455	1,389	-65	-4.5%
100.0%	1,340	1,340	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,509	866	3.5%
2.5%	24,159	25,415	1,255	5.2%
3.7%	23,945	22,419	-1,526	-6.4%
4.9%	18,630	17,526	-1,104	-5.9%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,916	-645	-4.1%
8.6%	14,052	13,736	-316	-2.3%
9.9%	13,127	12,658	-468	-3.6%
11.1%	10,175	12,097	1,922	18.9%
12.3%	8,453	8,573	120	1.4%
13.6%	6,843	8,451	1,608	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,530	-5	-0.1%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	6,244	172	2.8%
19.8%	5,977	5,960	-18	-0.3%
21.0%	5,971	5,850	-121	-2.0%
22.2%	5,960	5,793	-167	-2.8%
23.5%	5,893	5,498	-394	-6.7%
24.7%	5,728	5,411	-317	-5.5%
25.9%	5,498	5,399	-99	-1.8%
27.2%	5,470	5,076	-394	-7.2%
28.4%	5,449	4,875	-574	-10.5%
29.6%	5,410	4,873	-537	-9.9%
30.9%	5,245	4,830	-414	-7.9%
32.1%	5,223	4,826	-396	-7.6%
33.3%	5,076	4,564	-513	-10.1%
34.6%	4,845	4,428	-416	-8.6%
35.8%	4,829	4,420	-409	-8.5%
37.0%	4,564	4,358	-206	-4.5%
38.3%	4,507	4,283	-224	-5.0%
39.5%	4,432	4,190	-242	-5.5%
40.7%	4,427	4,173	-254	-5.7%
42.0%	4,390	4,038	-352	-8.0%
43.2%	4,319	3,843	-476	-11.0%
44.4%	4,315	3,715	-601	-13.9%
45.7%	4,292	3,500	-792	-18.5%
46.9%	4,283	3,477	-806	-18.8%
48.1%	4,259	3,367	-892	-20.9%
49.4%	4,190	3,319	-871	-20.8%
50.6%	4,146	3,291	-855	-20.6%
51.9%	3,976	3,202	-773	-19.4%
53.1%	3,840	3,190	-650	-16.9%
54.3%	3,802	3,033	-769	-20.2%
55.6%	3,567	3,029	-538	-15.1%
56.8%	3,500	2,970	-530	-15.1%
58.0%	3,190	2,860	-330	-10.3%
59.3%	3,035	2,860	-175	-5.8%
60.5%	3,029	2,821	-208	-6.9%
61.7%	2,970	2,781	-189	-6.4%
63.0%	2,860	2,769	-92	-3.2%
64.2%	2,860	2,766	-94	-3.3%
65.4%	2,822	2,701	-122	-4.3%
66.7%	2,821	2,661	-160	-5.7%
67.9%	2,820	2,657	-163	-5.8%
69.1%	2,764	2,656	-108	-3.9%
70.4%	2,740	2,579	-161	-5.9%
71.6%	2,724	2,569	-155	-5.7%
72.8%	2,661	2,554	-106	-4.0%
74.1%	2,656	2,552	-104	-3.9%
75.3%	2,648	2,543	-106	-4.0%
76.5%	2,592	2,506	-85	-3.3%
77.8%	2,569	2,503	-66	-2.6%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,188	-367	-14.4%
81.5%	2,241	2,130	-111	-5.0%
82.7%	2,189	2,096	-93	-4.3%
84.0%	2,137	2,095	-41	-1.9%
85.2%	2,065	2,065	0	0.0%
86.4%	2,041	2,063	22	1.1%
87.7%	1,859	1,925	66	3.5%
88.9%	1,822	1,859	37	2.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,786	1	0.1%
92.6%	1,763	1,784	21	1.2%
93.8%	1,755	1,759	4	0.2%
95.1%	1,721	1,755	34	2.0%
96.3%	1,708	1,708	0	0.0%
97.5%	1,633	1,668	36	2.2%
98.8%	1,613	1,633	19	1.2%
100.0%	1,611	1,611	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,664	-5	0.0%
1.2%	51,110	51,107	-3	0.0%
2.5%	30,266	29,961	-306	-1.0%
3.7%	29,961	29,225	-736	-2.5%
4.9%	29,228	28,617	-611	-2.1%
6.2%	25,712	25,987	275	1.1%
7.4%	23,958	25,710	1,752	7.3%
8.6%	20,978	21,478	500	2.4%
9.9%	20,603	20,823	220	1.1%
11.1%	19,127	19,123	-4	0.0%
12.3%	18,537	18,537	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,693	-2	0.0%
16.0%	16,933	16,930	-3	0.0%
17.3%	13,957	13,956	-1	0.0%
18.5%	10,144	10,284	140	1.4%
19.8%	10,035	10,144	109	1.1%
21.0%	8,291	9,780	1,489	18.0%
22.2%	7,700	6,865	-834	-10.8%
23.5%	7,263	6,808	-456	-6.3%
24.7%	6,865	6,801	-64	-0.9%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,250	-579	-9.9%
35.8%	5,253	5,160	-93	-1.8%
37.0%	5,160	4,939	-222	-4.3%
38.3%	4,939	4,937	-2	0.0%
39.5%	4,937	4,755	-182	-3.7%
40.7%	4,755	4,617	-138	-2.9%
42.0%	4,617	4,464	-153	-3.3%
43.2%	4,464	4,156	-308	-6.9%
44.4%	4,107	4,107	0	0.0%
45.7%	3,818	3,818	0	0.0%
46.9%	3,753	3,753	0	0.0%
48.1%	3,727	3,727	0	0.0%
49.4%	3,564	3,562	-2	-0.1%
50.6%	3,562	3,549	-13	-0.4%
51.9%	3,549	3,334	-216	-6.1%
53.1%	3,235	3,199	-35	-1.1%
54.3%	3,209	3,165	-44	-1.4%
55.6%	3,199	3,112	-88	-2.7%
56.8%	3,080	3,014	-66	-2.1%
58.0%	3,024	2,929	-94	-3.1%
59.3%	3,014	2,897	-118	-3.9%
60.5%	2,929	2,888	-41	-1.4%
61.7%	2,897	2,776	-120	-4.2%
63.0%	2,888	2,765	-123	-4.3%
64.2%	2,776	2,735	-41	-1.5%
65.4%	2,765	2,722	-43	-1.6%
66.7%	2,722	2,702	-19	-0.7%
67.9%	2,700	2,700	0	0.0%
69.1%	2,676	2,676	0	0.0%
70.4%	2,668	2,668	0	0.0%
71.6%	2,665	2,665	0	0.0%
72.8%	2,640	2,640	0	0.0%
74.1%	2,624	2,624	0	0.0%
75.3%	2,597	2,604	8	0.3%
76.5%	2,584	2,597	13	0.5%
77.8%	2,397	2,584	186	7.8%
79.0%	2,338	2,397	59	2.5%
80.2%	2,312	2,370	59	2.5%
81.5%	2,309	2,296	-13	-0.6%
82.7%	2,278	2,278	0	0.0%
84.0%	2,255	2,255	0	0.0%
85.2%	2,167	2,118	-49	-2.3%
86.4%	2,118	2,105	-13	-0.6%
87.7%	2,105	2,091	-15	-0.7%
88.9%	2,091	2,033	-58	-2.8%
90.1%	2,053	1,914	-139	-6.8%
91.4%	1,986	1,885	-101	-5.1%
92.6%	1,871	1,871	0	0.0%
93.8%	1,845	1,845	0	0.0%
95.1%	1,817	1,841	24	1.3%
96.3%	1,808	1,808	0	0.0%
97.5%	1,788	1,788	0	0.0%
98.8%	1,785	1,787	2	0.1%
100.0%	1,742	1,685	-57	-3.3%

Table SW-46-5b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,206	48	0.1%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,768	-2	0.0%
3.7%	28,349	28,348	0	0.0%
4.9%	27,561	27,562	2	0.0%
6.2%	26,981	24,962	-2,019	-7.5%
7.4%	24,966	23,543	-1,423	-5.7%
8.6%	22,575	22,576	1	0.0%
9.9%	22,284	22,396	112	0.5%
11.1%	21,422	21,383	-40	-0.2%
12.3%	19,559	19,558	-1	0.0%
13.6%	19,495	19,498	2	0.0%
14.8%	18,948	18,947	-1	0.0%
16.0%	16,366	16,366	0	0.0%
17.3%	16,361	16,238	-124	-0.8%
18.5%	16,236	16,200	-36	-0.2%
19.8%	16,202	15,898	-305	-1.9%
21.0%	15,487	15,448	-39	-0.3%
22.2%	15,450	15,446	-4	0.0%
23.5%	14,987	14,983	-4	0.0%
24.7%	14,260	14,582	322	2.3%
25.9%	13,228	14,492	1,263	9.6%
27.2%	12,237	13,228	991	8.1%
28.4%	10,473	12,235	1,762	16.8%
29.6%	10,415	11,643	1,228	11.8%
30.9%	9,879	11,620	1,741	17.6%
32.1%	9,844	10,472	628	6.4%
33.3%	9,371	9,632	261	2.8%
34.6%	8,263	9,368	1,105	13.4%
35.8%	7,143	7,545	402	5.6%
37.0%	7,024	7,505	481	6.9%
38.3%	7,020	6,420	-600	-8.6%
39.5%	6,420	6,278	-142	-2.2%
40.7%	6,285	6,203	-82	-1.3%
42.0%	6,203	6,098	-106	-1.7%
43.2%	6,022	6,016	-7	-0.1%
44.4%	5,972	5,970	-3	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	4,869	0	0.0%
48.1%	4,808	4,856	48	1.0%
49.4%	4,772	4,800	28	0.6%
50.6%	4,700	4,772	72	1.5%
51.9%	4,593	4,733	140	3.0%
53.1%	4,413	4,410	-3	-0.1%
54.3%	4,405	4,405	0	0.0%
55.6%	4,197	4,197	0	0.0%
56.8%	4,038	4,038	0	0.0%
58.0%	4,031	4,031	0	0.0%
59.3%	3,795	3,795	0	0.0%
60.5%	3,702	3,685	-17	-0.5%
61.7%	3,685	3,675	-10	-0.3%
63.0%	3,675	3,576	-99	-2.7%
64.2%	3,576	3,358	-218	-6.1%
65.4%	3,358	3,228	-130	-3.9%
66.7%	3,172	2,999	-172	-5.4%
67.9%	3,060	2,941	-119	-3.9%
69.1%	2,999	2,888	-111	-3.7%
70.4%	2,941	2,825	-116	-3.9%
71.6%	2,888	2,793	-96	-3.3%
72.8%	2,825	2,791	-34	-1.2%
74.1%	2,813	2,782	-31	-1.1%
75.3%	2,793	2,738	-54	-1.9%
76.5%	2,791	2,734	-56	-2.0%
77.8%	2,782	2,699	-84	-3.0%
79.0%	2,738	2,600	-139	-5.1%
80.2%	2,734	2,565	-169	-6.2%
81.5%	2,699	2,554	-145	-5.4%
82.7%	2,600	2,550	-50	-1.9%
84.0%	2,550	2,548	-1	-0.1%
85.2%	2,548	2,544	-4	-0.2%
86.4%	2,273	2,273	0	0.0%
87.7%	2,222	2,222	0	0.0%
88.9%	2,207	2,138	-69	-3.1%
90.1%	2,138	2,032	-105	-4.9%
91.4%	2,032	2,020	-12	-0.6%
92.6%	1,982	1,982	0	0.0%
93.8%	1,968	1,967	-1	-0.1%
95.1%	1,832	1,832	0	0.0%
96.3%	1,785	1,788	3	0.2%
97.5%	1,739	1,785	46	2.7%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,954	1	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,117	-1	0.0%
3.7%	33,152	34,906	1,754	5.3%
4.9%	27,878	27,386	-492	-1.8%
6.2%	27,382	26,922	-460	-1.7%
7.4%	24,884	24,881	-3	0.0%
8.6%	20,294	20,294	0	0.0%
9.9%	20,193	20,191	-2	0.0%
11.1%	18,307	18,049	-258	-1.4%
12.3%	17,849	17,844	-5	0.0%
13.6%	17,403	17,109	-294	-1.7%
14.8%	17,110	17,071	-40	-0.2%
16.0%	16,929	16,929	0	0.0%
17.3%	16,374	16,381	7	0.0%
18.5%	15,503	15,482	-21	-0.1%
19.8%	14,997	14,993	-4	0.0%
21.0%	12,938	12,938	0	0.0%
22.2%	12,823	12,830	7	0.1%
23.5%	12,150	12,762	612	5.0%
24.7%	11,145	12,147	1,002	9.0%
25.9%	11,077	11,077	0	0.0%
27.2%	10,941	10,941	0	0.0%
28.4%	10,805	10,935	130	1.2%
29.6%	10,202	10,713	511	5.0%
30.9%	10,111	10,111	0	0.0%
32.1%	9,754	10,099	345	3.5%
33.3%	9,089	9,754	665	7.3%
34.6%	9,001	9,714	713	7.9%
35.8%	8,873	9,502	629	7.1%
37.0%	8,861	9,146	285	3.2%
38.3%	8,617	8,838	221	2.6%
39.5%	8,560	8,613	54	0.6%
40.7%	8,248	8,036	-211	-2.6%
42.0%	8,040	7,879	-162	-2.0%
43.2%	7,886	7,871	-15	-0.2%
44.4%	7,880	7,483	-397	-5.0%
45.7%	6,870	6,864	-7	-0.1%
46.9%	6,851	6,853	2	0.0%
48.1%	6,763	6,763	0	0.0%
49.4%	6,076	6,350	274	4.5%
50.6%	5,904	5,581	-324	-5.5%
51.9%	5,583	4,665	-918	-16.4%
53.1%	5,349	4,332	-1,017	-19.0%
54.3%	4,347	3,934	-413	-9.5%
55.6%	3,803	3,803	0	0.0%
56.8%	3,796	3,796	0	0.0%
58.0%	3,778	3,778	0	0.0%
59.3%	3,608	3,586	-22	-0.6%
60.5%	3,586	3,574	-12	-0.3%
61.7%	3,574	3,431	-143	-4.0%
63.0%	3,401	3,381	-19	-0.6%
64.2%	3,259	3,346	87	2.7%
65.4%	3,183	3,250	66	2.1%
66.7%	3,179	3,240	61	1.9%
67.9%	3,158	3,183	25	0.8%
69.1%	3,021	3,134	113	3.8%
70.4%	2,968	3,021	53	1.8%
71.6%	2,863	2,982	118	4.1%
72.8%	2,809	2,863	54	1.9%
74.1%	2,790	2,809	20	0.7%
75.3%	2,755	2,790	35	1.3%
76.5%	2,748	2,720	-28	-1.0%
77.8%	2,746	2,718	-28	-1.0%
79.0%	2,720	2,680	-40	-1.5%
80.2%	2,718	2,668	-50	-1.8%
81.5%	2,668	2,590	-78	-2.9%
82.7%	2,583	2,583	0	0.0%
84.0%	2,496	2,487	-8	-0.3%
85.2%	2,487	2,331	-157	-6.3%
86.4%	2,331	2,250	-81	-3.5%
87.7%	2,179	2,179	0	0.0%
88.9%	2,168	2,168	0	0.0%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,098	74	3.6%
92.6%	1,886	1,958	71	3.8%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,830	2	0.1%
96.3%	1,747	1,828	81	4.6%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,657	0	0.0%
100.0%	1,558	1,558	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,255	1	0.0%
3.7%	18,447	18,447	1	0.0%
4.9%	18,372	18,372	0	0.0%
6.2%	15,100	15,096	-5	0.0%
7.4%	14,552	14,549	-2	0.0%
8.6%	13,680	13,680	0	0.0%
9.9%	13,327	13,327	0	0.0%
11.1%	12,224	12,222	-2	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,071	-2	0.0%
14.8%	10,588	10,592	4	0.0%
16.0%	10,251	10,251	0	0.0%
17.3%	9,552	9,550	-3	0.0%
18.5%	8,543	8,541	-1	0.0%
19.8%	8,226	8,231	5	0.1%
21.0%	8,065	8,064	-1	0.0%
22.2%	7,643	7,641	-1	0.0%
23.5%	7,360	7,358	-2	0.0%
24.7%	6,549	6,548	-1	0.0%
25.9%	6,363	6,363	1	0.0%
27.2%	5,591	5,592	1	0.0%
28.4%	5,199	5,199	0	0.0%
29.6%	5,119	5,119	0	0.0%
30.9%	5,012	5,012	0	0.0%
32.1%	4,894	4,894	0	0.0%
33.3%	4,767	4,766	-1	0.0%
34.6%	4,703	4,703	0	0.0%
35.8%	4,684	4,684	0	0.0%
37.0%	4,367	3,894	-473	-10.8%
38.3%	3,894	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-0.1%
40.7%	3,796	3,762	-35	-0.9%
42.0%	3,793	3,751	-42	-1.1%
43.2%	3,762	3,721	-40	-1.1%
44.4%	3,751	3,651	-100	-2.7%
45.7%	3,721	3,590	-131	-3.5%
46.9%	3,651	3,561	-89	-2.4%
48.1%	3,590	3,530	-60	-1.7%
49.4%	3,561	3,485	-76	-2.1%
50.6%	3,531	3,426	-105	-3.0%
51.9%	3,426	3,315	-111	-3.2%
53.1%	3,316	3,302	-14	-0.4%
54.3%	3,302	3,273	-28	-0.9%
55.6%	3,273	3,205	-68	-2.1%
56.8%	3,205	3,204	-1	0.0%
58.0%	3,204	3,016	-187	-5.8%
59.3%	3,179	2,886	-293	-9.2%
60.5%	2,888	2,856	-32	-1.1%
61.7%	2,856	2,813	-42	-1.5%
63.0%	2,813	2,723	-89	-3.2%
64.2%	2,726	2,646	-80	-2.9%
65.4%	2,672	2,636	-36	-1.3%
66.7%	2,646	2,626	-20	-0.8%
67.9%	2,637	2,543	-94	-3.6%
69.1%	2,631	2,524	-107	-4.1%
70.4%	2,544	2,423	-121	-4.7%
71.6%	2,423	2,390	-33	-1.4%
72.8%	2,393	2,312	-80	-3.4%
74.1%	2,312	2,306	-6	-0.3%
75.3%	2,306	2,274	-32	-1.4%
76.5%	2,274	2,160	-114	-5.0%
77.8%	2,224	2,067	-157	-7.1%
79.0%	2,067	2,062	-5	-0.2%
80.2%	2,062	2,033	-29	-1.4%
81.5%	2,047	2,019	-28	-1.4%
82.7%	2,019	1,968	-50	-2.5%
84.0%	2,015	1,948	-67	-3.3%
85.2%	1,969	1,822	-146	-7.4%
86.4%	1,822	1,822	0	0.0%
87.7%	1,822	1,804	-18	-1.0%
88.9%	1,819	1,735	-84	-4.6%
90.1%	1,804	1,703	-101	-5.6%
91.4%	1,735	1,691	-44	-2.6%
92.6%	1,693	1,580	-113	-6.7%
93.8%	1,580	1,575	-5	-0.3%
95.1%	1,575	1,571	-4	-0.3%
96.3%	1,571	1,484	-87	-5.5%
97.5%	1,371	1,205	-166	-12.1%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,170	-35	-2.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,481	-3	0.0%
1.2%	28,210	28,211	1	0.0%
2.5%	26,842	26,843	1	0.0%
3.7%	25,620	25,621	1	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,776	-2	0.0%
8.6%	18,616	18,650	35	0.2%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,608	-2	0.0%
13.6%	13,834	13,830	-4	0.0%
14.8%	13,531	13,567	37	0.3%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,281	1	0.0%
18.5%	11,938	11,937	-1	0.0%
19.8%	10,776	10,769	-7	-0.1%
21.0%	9,895	9,894	0	0.0%
22.2%	9,071	9,093	21	0.2%
23.5%	9,042	9,048	6	0.1%
24.7%	6,460	7,794	1,334	20.7%
25.9%	5,978	6,456	478	8.0%
27.2%	5,521	5,520	-1	0.0%
28.4%	5,382	5,380	-2	0.0%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,110	2	0.0%
33.3%	4,028	4,017	-10	-0.3%
34.6%	4,017	3,842	-176	-4.4%
35.8%	3,910	3,808	-102	-2.6%
37.0%	3,842	3,739	-103	-2.7%
38.3%	3,805	3,644	-161	-4.2%
39.5%	3,744	3,604	-140	-3.7%
40.7%	3,644	3,560	-84	-2.3%
42.0%	3,604	3,536	-68	-1.9%
43.2%	3,560	3,518	-43	-1.2%
44.4%	3,542	3,505	-38	-1.1%
45.7%	3,518	3,453	-65	-1.8%
46.9%	3,453	3,382	-71	-2.0%
48.1%	3,382	3,301	-81	-2.4%
49.4%	3,301	3,243	-59	-1.8%
50.6%	3,289	3,089	-200	-6.1%
51.9%	3,258	3,069	-188	-5.8%
53.1%	3,243	3,041	-202	-6.2%
54.3%	3,148	3,037	-111	-3.5%
55.6%	3,090	3,036	-54	-1.7%
56.8%	3,069	3,033	-36	-1.2%
58.0%	3,041	3,033	-8	-0.3%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,024	-12	-0.4%
61.7%	3,033	2,771	-262	-8.7%
63.0%	3,033	2,750	-283	-9.3%
64.2%	3,033	2,702	-331	-10.9%
65.4%	3,024	2,695	-329	-10.9%
66.7%	2,914	2,602	-313	-10.7%
67.9%	2,867	2,586	-282	-9.8%
69.1%	2,791	2,551	-240	-8.6%
70.4%	2,771	2,448	-322	-11.6%
71.6%	2,553	2,388	-165	-6.5%
72.8%	2,471	2,272	-198	-8.0%
74.1%	2,457	2,255	-203	-8.2%
75.3%	2,388	2,210	-178	-7.5%
76.5%	2,340	2,204	-136	-5.8%
77.8%	2,331	2,106	-225	-9.6%
79.0%	2,272	2,069	-203	-8.9%
80.2%	2,257	2,056	-200	-8.9%
81.5%	2,210	2,031	-180	-8.1%
82.7%	2,116	2,030	-86	-4.1%
84.0%	2,072	2,026	-46	-2.2%
85.2%	2,030	2,021	-9	-0.4%
86.4%	2,026	2,012	-14	-0.7%
87.7%	2,021	2,010	-11	-0.5%
88.9%	2,012	1,916	-96	-4.8%
90.1%	1,916	1,801	-115	-6.0%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,726	-52	-2.9%
93.8%	1,732	1,649	-83	-4.8%
95.1%	1,722	1,537	-184	-10.7%
96.3%	1,651	1,515	-136	-8.2%
97.5%	1,537	1,287	-250	-16.3%
98.8%	1,515	1,240	-275	-18.2%
100.0%	1,294	1,219	-74	-5.7%

Table SW-46-5b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,912	0	0.0%
1.2%	18,561	18,558	-3	0.0%
2.5%	18,222	18,224	2	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,037	-4	0.0%
6.2%	14,993	14,996	2	0.0%
7.4%	14,846	14,848	2	0.0%
8.6%	11,675	11,669	-6	0.0%
9.9%	11,118	11,614	496	4.5%
11.1%	10,824	10,811	-12	-0.1%
12.3%	9,851	9,847	-4	0.0%
13.6%	9,592	9,814	222	2.3%
14.8%	8,013	8,371	358	4.5%
16.0%	7,914	8,095	180	2.3%
17.3%	7,548	7,564	17	0.2%
18.5%	7,537	7,537	0	0.0%
19.8%	6,889	6,882	-8	-0.1%
21.0%	6,882	6,378	-504	-7.3%
22.2%	6,350	6,276	-74	-1.2%
23.5%	6,347	5,986	-361	-5.7%
24.7%	6,003	5,759	-244	-4.1%
25.9%	5,976	5,707	-269	-4.5%
27.2%	5,746	5,571	-175	-3.0%
28.4%	5,710	5,530	-180	-3.2%
29.6%	5,647	5,518	-129	-2.3%
30.9%	5,552	5,482	-70	-1.3%
32.1%	5,406	5,413	6	0.1%
33.3%	5,398	5,308	-90	-1.7%
34.6%	5,172	5,200	28	0.6%
35.8%	5,087	5,125	38	0.7%
37.0%	5,054	5,091	37	0.7%
38.3%	4,821	5,090	270	5.6%
39.5%	4,804	5,063	259	5.4%
40.7%	4,799	5,024	225	4.7%
42.0%	4,774	5,023	249	5.2%
43.2%	4,758	4,977	219	4.6%
44.4%	4,623	4,970	347	7.5%
45.7%	4,617	4,918	301	6.5%
46.9%	4,606	4,872	266	5.8%
48.1%	4,586	4,831	245	5.3%
49.4%	4,549	4,810	261	5.7%
50.6%	4,531	4,742	210	4.6%
51.9%	4,502	4,615	113	2.5%
53.1%	4,477	4,606	129	2.9%
54.3%	4,419	4,595	176	4.0%
55.6%	4,392	4,466	74	1.7%
56.8%	4,326	4,424	98	2.3%
58.0%	4,324	4,393	68	1.6%
59.3%	4,309	4,378	69	1.6%
60.5%	4,298	4,365	67	1.6%
61.7%	4,208	4,354	145	3.5%
63.0%	4,158	4,331	173	4.2%
64.2%	4,003	4,322	319	8.0%
65.4%	3,969	4,289	321	8.1%
66.7%	3,855	4,282	427	11.1%
67.9%	3,849	4,181	331	8.6%
69.1%	3,822	4,052	230	6.0%
70.4%	3,780	3,970	191	5.0%
71.6%	3,740	3,961	221	5.9%
72.8%	3,735	3,868	133	3.6%
74.1%	3,727	3,844	116	3.1%
75.3%	3,722	3,690	-32	-0.9%
76.5%	3,704	3,659	-45	-1.2%
77.8%	3,575	3,590	15	0.4%
79.0%	3,571	3,430	-141	-4.0%
80.2%	3,560	3,303	-258	-7.2%
81.5%	3,559	3,288	-271	-7.6%
82.7%	3,516	3,275	-241	-6.8%
84.0%	3,510	3,010	-500	-14.2%
85.2%	3,377	2,894	-483	-14.3%
86.4%	3,325	2,881	-443	-13.3%
87.7%	3,090	2,863	-227	-7.3%
88.9%	2,910	2,843	-67	-2.3%
90.1%	2,897	2,800	-98	-3.4%
91.4%	2,885	2,747	-138	-4.8%
92.6%	2,880	2,648	-232	-8.1%
93.8%	2,865	2,458	-407	-14.2%
95.1%	2,751	2,416	-335	-12.2%
96.3%	2,603	2,174	-429	-16.5%
97.5%	2,235	1,990	-245	-11.0%
98.8%	2,167	1,596	-571	-26.4%
100.0%	1,560	1,356	-203	-13.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,035	-30	-0.2%
1.2%	11,939	11,955	15	0.1%
2.5%	11,282	11,308	25	0.2%
3.7%	11,127	11,098	-29	-0.3%
4.9%	11,123	11,009	-114	-1.0%
6.2%	10,994	10,991	-3	0.0%
7.4%	10,984	10,983	-1	0.0%
8.6%	10,915	10,959	44	0.4%
9.9%	10,785	10,681	-103	-1.0%
11.1%	10,677	10,677	0	0.0%
12.3%	10,675	10,675	0	0.0%
13.6%	10,672	10,672	-1	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,658	-12	-0.1%
17.3%	10,671	10,529	-142	-1.3%
18.5%	10,615	10,488	-127	-1.2%
19.8%	10,581	10,481	-101	-1.0%
21.0%	10,558	10,472	-86	-0.8%
22.2%	10,491	10,380	-111	-1.1%
23.5%	10,475	10,339	-135	-1.3%
24.7%	10,424	10,246	-178	-1.7%
25.9%	10,271	10,082	-189	-1.8%
27.2%	10,263	10,039	-224	-2.2%
28.4%	10,083	9,928	-156	-1.5%
29.6%	10,079	9,841	-238	-2.4%
30.9%	9,973	9,761	-212	-2.1%
32.1%	9,922	9,698	-224	-2.3%
33.3%	9,786	9,660	-126	-1.3%
34.6%	9,686	9,648	-38	-0.4%
35.8%	9,605	9,561	-44	-0.5%
37.0%	9,561	9,539	-22	-0.2%
38.3%	9,521	9,477	-44	-0.5%
39.5%	9,503	9,421	-82	-0.9%
40.7%	9,497	9,373	-124	-1.3%
42.0%	9,443	9,331	-112	-1.2%
43.2%	9,363	9,323	-40	-0.4%
44.4%	9,348	9,319	-29	-0.3%
45.7%	9,339	9,304	-35	-0.4%
46.9%	9,314	9,298	-15	-0.2%
48.1%	9,312	9,289	-23	-0.2%
49.4%	9,296	9,279	-17	-0.2%
50.6%	9,265	9,196	-69	-0.7%
51.9%	9,243	9,176	-67	-0.7%
53.1%	9,242	9,160	-81	-0.9%
54.3%	9,202	9,154	-48	-0.5%
55.6%	9,188	8,955	-233	-2.5%
56.8%	9,184	8,954	-230	-2.5%
58.0%	9,141	8,949	-193	-2.1%
59.3%	9,130	8,943	-187	-2.1%
60.5%	9,094	8,856	-238	-2.6%
61.7%	9,041	8,672	-369	-4.1%
63.0%	9,006	8,652	-354	-3.9%
64.2%	8,957	8,530	-427	-4.8%
65.4%	8,867	8,527	-339	-3.8%
66.7%	8,800	8,340	-459	-5.2%
67.9%	8,787	8,130	-657	-7.5%
69.1%	8,773	7,837	-936	-10.7%
70.4%	8,651	7,576	-1,075	-12.4%
71.6%	8,458	7,569	-889	-10.5%
72.8%	8,272	7,517	-754	-9.1%
74.1%	7,965	7,471	-494	-6.2%
75.3%	7,878	7,450	-428	-5.4%
76.5%	7,786	7,184	-603	-7.7%
77.8%	7,727	7,089	-638	-8.3%
79.0%	7,480	7,053	-427	-5.7%
80.2%	7,281	6,749	-532	-7.3%
81.5%	6,964	6,674	-290	-4.2%
82.7%	6,828	6,605	-223	-3.3%
84.0%	6,244	6,405	161	2.6%
85.2%	5,797	6,366	569	9.8%
86.4%	5,785	5,797	12	0.2%
87.7%	5,752	5,721	-31	-0.5%
88.9%	5,707	5,669	-37	-0.7%
90.1%	5,434	5,501	68	1.2%
91.4%	5,387	5,429	42	0.8%
92.6%	5,344	5,409	65	1.2%
93.8%	5,218	5,193	-25	-0.5%
95.1%	5,102	5,154	52	1.0%
96.3%	4,447	4,925	479	10.8%
97.5%	2,541	4,680	2,139	84.2%
98.8%	1,651	4,528	2,877	174.2%
100.0%	1,566	1,561	-5	-0.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,185	153	1.7%
1.2%	8,979	9,102	123	1.4%
2.5%	8,792	9,026	233	2.7%
3.7%	8,780	9,022	243	2.8%
4.9%	8,596	8,946	349	4.1%
6.2%	8,541	8,802	261	3.1%
7.4%	8,378	8,663	284	3.4%
8.6%	8,370	8,635	265	3.2%
9.9%	8,353	8,588	235	2.8%
11.1%	8,320	8,584	264	3.2%
12.3%	8,223	8,553	330	4.0%
13.6%	8,201	8,536	335	4.1%
14.8%	8,139	8,508	368	4.5%
16.0%	8,032	8,400	368	4.6%
17.3%	7,997	8,398	401	5.0%
18.5%	7,959	8,387	428	5.4%
19.8%	7,852	8,362	510	6.5%
21.0%	7,841	8,358	517	6.6%
22.2%	7,792	8,354	562	7.2%
23.5%	7,777	8,339	562	7.2%
24.7%	7,731	8,293	562	7.3%
25.9%	7,718	8,241	523	6.8%
27.2%	7,672	8,174	502	6.5%
28.4%	7,642	7,842	200	2.6%
29.6%	7,632	7,817	185	2.4%
30.9%	7,607	7,804	197	2.6%
32.1%	7,594	7,788	194	2.6%
33.3%	7,549	7,767	217	2.9%
34.6%	7,524	7,758	234	3.1%
35.8%	7,518	7,741	223	3.0%
37.0%	7,433	7,556	123	1.7%
38.3%	7,400	7,540	140	1.9%
39.5%	7,396	7,536	140	1.9%
40.7%	7,359	7,351	-8	-0.1%
42.0%	7,356	7,132	-223	-3.0%
43.2%	7,271	7,092	-179	-2.5%
44.4%	7,137	7,090	-46	-0.6%
45.7%	7,120	7,061	-59	-0.8%
46.9%	7,081	6,929	-152	-2.1%
48.1%	6,993	6,823	-170	-2.4%
49.4%	6,984	6,705	-279	-4.0%
50.6%	6,983	6,661	-321	-4.6%
51.9%	6,895	6,458	-436	-6.3%
53.1%	6,881	6,000	-882	-12.8%
54.3%	6,844	5,958	-886	-12.9%
55.6%	6,604	5,905	-698	-10.6%
56.8%	6,586	5,843	-743	-11.3%
58.0%	6,525	5,770	-755	-11.6%
59.3%	6,357	5,597	-760	-12.0%
60.5%	6,252	5,522	-730	-11.7%
61.7%	5,941	5,472	-470	-7.9%
63.0%	5,924	5,450	-474	-8.0%
64.2%	5,741	5,407	-334	-5.8%
65.4%	5,376	5,140	-236	-4.4%
66.7%	5,273	5,121	-152	-2.9%
67.9%	4,836	5,046	209	4.3%
69.1%	4,788	4,942	154	3.2%
70.4%	4,658	4,936	277	6.0%
71.6%	4,376	4,858	482	11.0%
72.8%	4,141	4,855	714	17.2%
74.1%	4,096	4,850	754	18.4%
75.3%	3,985	4,691	707	17.7%
76.5%	3,716	4,689	973	26.2%
77.8%	3,493	4,268	776	22.2%
79.0%	3,490	4,180	690	19.8%
80.2%	3,278	4,167	889	27.1%
81.5%	3,158	4,121	963	30.5%
82.7%	3,123	4,092	969	31.0%
84.0%	2,918	4,031	1,114	38.2%
85.2%	2,675	3,951	1,276	47.7%
86.4%	2,572	3,897	1,325	51.5%
87.7%	2,488	3,889	1,401	56.3%
88.9%	2,266	3,770	1,504	66.4%
90.1%	2,188	3,022	834	38.1%
91.4%	1,827	2,019	192	10.5%
92.6%	1,814	1,801	-13	-0.7%
93.8%	1,553	1,547	-6	-0.4%
95.1%	1,548	1,510	-37	-2.4%
96.3%	1,512	1,377	-135	-8.9%
97.5%	1,402	1,281	-121	-8.6%
98.8%	1,390	1,158	-232	-16.7%
100.0%	1,386	1,100	-286	-20.7%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,811	44	0.4%
1.2%	10,720	10,765	45	0.4%
2.5%	10,720	10,754	35	0.3%
3.7%	10,704	10,723	19	0.2%
4.9%	10,653	10,670	17	0.2%
6.2%	10,646	10,643	-2	0.0%
7.4%	10,639	10,617	-23	-0.2%
8.6%	10,582	10,586	4	0.0%
9.9%	10,461	10,534	73	0.7%
11.1%	10,405	10,449	44	0.4%
12.3%	10,248	10,315	67	0.7%
13.6%	10,149	10,235	86	0.8%
14.8%	10,091	10,221	130	1.3%
16.0%	10,067	10,103	36	0.4%
17.3%	9,995	10,019	24	0.2%
18.5%	9,971	9,764	-207	-2.1%
19.8%	9,494	9,570	76	0.8%
21.0%	8,961	9,443	481	5.4%
22.2%	8,611	9,269	658	7.6%
23.5%	8,555	9,263	709	8.3%
24.7%	8,441	9,150	709	8.4%
25.9%	8,421	8,921	499	5.9%
27.2%	8,325	8,859	534	6.4%
28.4%	8,229	8,701	472	5.7%
29.6%	7,965	8,575	609	7.7%
30.9%	7,887	8,340	454	5.8%
32.1%	7,812	8,317	505	6.5%
33.3%	7,541	7,875	335	4.4%
34.6%	7,386	7,628	242	3.3%
35.8%	7,313	7,626	313	4.3%
37.0%	7,297	7,512	215	2.9%
38.3%	7,227	7,489	261	3.6%
39.5%	6,253	7,419	1,166	18.6%
40.7%	6,022	7,228	1,206	20.0%
42.0%	5,460	6,890	1,430	26.2%
43.2%	5,433	6,775	1,341	24.7%
44.4%	5,425	5,080	-345	-6.4%
45.7%	5,398	5,017	-381	-7.1%
46.9%	4,054	4,982	928	22.9%
48.1%	3,986	4,864	878	22.0%
49.4%	3,857	4,749	893	23.1%
50.6%	3,796	4,443	648	17.1%
51.9%	3,793	4,340	547	14.4%
53.1%	3,747	4,163	415	11.1%
54.3%	3,688	4,129	442	12.0%
55.6%	3,636	4,019	383	10.5%
56.8%	3,617	3,992	374	10.3%
58.0%	3,617	3,915	298	8.2%
59.3%	3,465	3,832	366	10.6%
60.5%	3,372	3,658	285	8.5%
61.7%	3,324	3,564	241	7.2%
63.0%	3,238	3,401	163	5.0%
64.2%	3,202	3,353	151	4.7%
65.4%	3,123	3,292	169	5.4%
66.7%	3,084	3,286	203	6.6%
67.9%	3,071	3,258	186	6.1%
69.1%	3,066	3,116	51	1.7%
70.4%	3,015	3,048	33	1.1%
71.6%	2,748	3,032	284	10.3%
72.8%	2,664	2,959	294	11.0%
74.1%	2,639	2,651	11	0.4%
75.3%	2,570	2,620	50	1.9%
76.5%	2,501	2,594	94	3.7%
77.8%	2,286	2,583	297	13.0%
79.0%	2,259	2,537	278	12.3%
80.2%	2,145	2,390	245	11.4%
81.5%	1,978	2,296	319	16.1%
82.7%	1,864	2,263	398	21.4%
84.0%	1,771	2,255	484	27.3%
85.2%	1,657	2,227	570	34.4%
86.4%	1,568	2,147	579	37.0%
87.7%	1,534	1,800	266	17.3%
88.9%	1,523	1,681	157	10.3%
90.1%	1,486	1,653	167	11.2%
91.4%	1,472	1,642	170	11.6%
92.6%	1,430	1,564	133	9.3%
93.8%	1,396	1,441	45	3.2%
95.1%	1,311	1,395	84	6.4%
96.3%	1,266	1,392	125	9.9%
97.5%	1,257	1,391	133	10.6%
98.8%	1,242	1,241	-1	-0.1%
100.0%	1,130	1,192	62	5.5%

Table SW-47-5a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative B	1,460	2,679	3,255	4,352	4,956	3,609	3,087	3,256	3,171	3,083	2,309	2,351
Difference	107	26	67	61	-13	38	36	34	-65	-264	74	-121
Percent Difference[3]	7.9%	1.0%	2.1%	1.4%	-0.3%	1.1%	1.2%	1.0%	-2.0%	-7.9%	3.3%	-4.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative B	1,674	3,839	3,540	8,620	8,990	5,915	4,997	5,711	5,460	3,466	3,100	3,743
Difference	204	31	21	67	1	-1	0	0	-2	-114	108	-332
Percent Difference	13.9%	0.8%	0.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.2%	3.6%	-8.1%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative B	1,377	2,635	2,945	4,552	6,144	5,233	3,239	3,411	2,971	3,975	2,403	2,706
Difference	0	-16	112	77	9	14	1	0	13	-146	48	-170
Percent Difference	0.0%	-0.6%	4.0%	1.7%	0.1%	0.3%	0.0%	0.0%	0.5%	-3.5%	2.0%	-5.9%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative B	1,566	3,315	3,930	2,277	3,918	2,275	2,871	2,615	2,365	3,844	2,345	2,067
Difference	43	53	37	88	-145	3	87	59	15	-703	229	212
Percent Difference	2.8%	1.6%	1.0%	4.0%	-3.6%	0.1%	3.1%	2.3%	0.6%	-15.5%	10.8%	11.4%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative B	1,347	1,757	4,132	1,554	1,727	2,060	1,645	1,521	1,998	2,647	1,978	1,395
Difference	47	71	180	-69	45	141	-52	38	-97	-324	-66	4
Percent Difference	3.6%	4.2%	4.5%	-4.2%	2.7%	7.3%	-3.0%	2.6%	-4.6%	-10.9%	-3.2%	0.3%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative B	1,127	849	843	1,524	1,086	865	1,212	1,134	1,108	1,127	951	748
Difference	167	-40	-14	191	0	31	219	104	-325	-107	58	-187
Percent Difference	17.4%	-4.5%	-1.7%	14.4%	0.0%	3.7%	22.0%	10.0%	-22.7%	-8.7%	6.5%	-20.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-47-5b
American River at Mouth, Monthly Flow
Probability of Exceedance

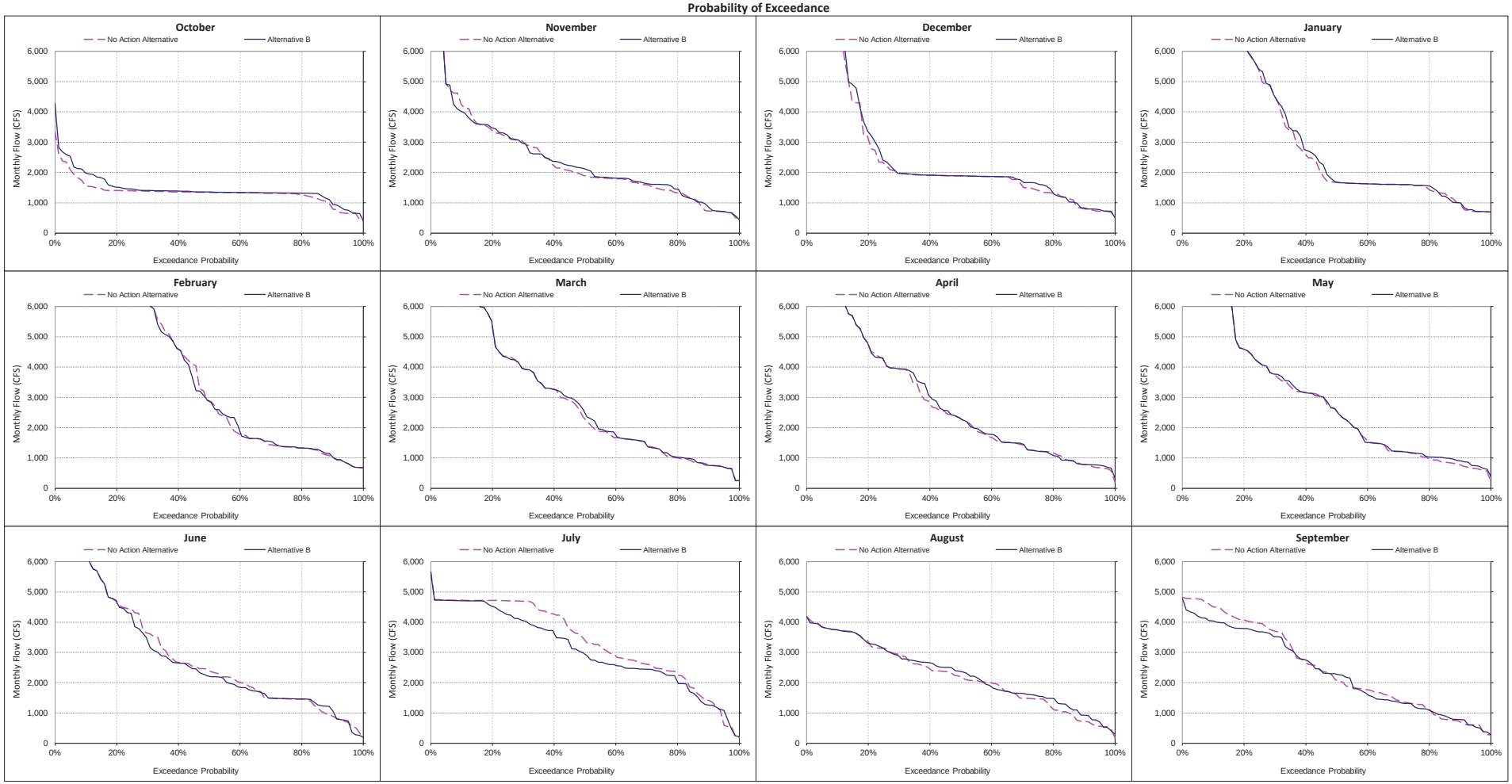

Table SW-47-5b

American River at Mouth, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	4,292	939	28.0%
1.2%	2,603	2,827	224	8.6%
2.5%	2,376	2,683	307	12.9%
3.7%	2,348	2,591	242	10.3%
4.9%	2,096	2,537	441	21.1%
6.2%	1,936	2,174	238	12.3%
7.4%	1,824	2,130	306	16.7%
8.6%	1,750	2,122	372	21.2%
9.9%	1,554	1,987	432	27.8%
11.1%	1,543	1,953	410	26.6%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,854	362	24.3%
14.8%	1,482	1,831	348	23.5%
16.0%	1,412	1,782	369	26.2%
17.3%	1,409	1,589	181	12.8%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,517	111	7.9%
21.0%	1,403	1,511	108	7.7%
22.2%	1,403	1,473	70	5.0%
23.5%	1,399	1,455	56	4.0%
24.7%	1,397	1,454	57	4.1%
25.9%	1,394	1,437	43	3.1%
27.2%	1,393	1,412	19	1.4%
28.4%	1,387	1,407	20	1.4%
29.6%	1,386	1,407	22	1.6%
30.9%	1,382	1,405	22	1.6%
32.1%	1,378	1,402	24	1.7%
33.3%	1,378	1,399	21	1.5%
34.6%	1,377	1,397	20	1.4%
35.8%	1,374	1,396	22	1.6%
37.0%	1,363	1,394	31	2.3%
38.3%	1,359	1,393	33	2.4%
39.5%	1,357	1,387	30	2.2%
40.7%	1,357	1,384	27	2.0%
42.0%	1,357	1,383	26	1.9%
43.2%	1,356	1,379	24	1.7%
44.4%	1,353	1,363	9	0.7%
45.7%	1,350	1,361	11	0.8%
46.9%	1,348	1,361	13	1.0%
48.1%	1,345	1,357	12	0.9%
49.4%	1,344	1,357	13	0.9%
50.6%	1,342	1,356	15	1.1%
51.9%	1,341	1,353	12	0.9%
53.1%	1,341	1,348	8	0.6%
54.3%	1,340	1,348	8	0.6%
55.6%	1,340	1,346	6	0.4%
56.8%	1,337	1,342	6	0.4%
58.0%	1,336	1,342	6	0.5%
59.3%	1,335	1,341	6	0.4%
60.5%	1,335	1,340	5	0.3%
61.7%	1,334	1,338	5	0.3%
63.0%	1,333	1,337	4	0.3%
64.2%	1,331	1,337	6	0.4%
65.4%	1,329	1,335	5	0.4%
66.7%	1,325	1,334	9	0.7%
67.9%	1,317	1,333	16	1.2%
69.1%	1,316	1,331	15	1.1%
70.4%	1,316	1,328	12	0.9%
71.6%	1,314	1,328	14	1.1%
72.8%	1,313	1,326	12	0.9%
74.1%	1,307	1,325	18	1.4%
75.3%	1,307	1,323	16	1.2%
76.5%	1,306	1,322	16	1.2%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,316	45	3.6%
80.2%	1,267	1,315	49	3.8%
81.5%	1,231	1,313	82	6.7%
82.7%	1,210	1,312	102	8.4%
84.0%	1,166	1,308	142	12.2%
85.2%	1,128	1,305	177	15.6%
86.4%	1,082	1,231	149	13.7%
87.7%	1,053	1,157	105	10.0%
88.9%	969	1,107	138	14.2%
90.1%	784	943	160	20.4%
91.4%	771	924	152	19.8%
92.6%	673	857	183	27.2%
93.8%	663	773	109	16.5%
95.1%	644	757	113	17.5%
96.3%	643	677	34	5.3%
97.5%	641	650	9	1.4%
98.8%	433	644	212	48.9%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,156	-56	-0.3%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	6,680	-102	-1.5%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,888	157	3.3%
7.4%	4,628	4,258	-370	-8.0%
8.6%	4,621	4,099	-522	-11.3%
9.9%	4,251	4,025	-226	-5.3%
11.1%	4,110	3,953	-157	-3.8%
12.3%	4,109	3,805	-305	-7.4%
13.6%	3,805	3,690	-115	-3.0%
14.8%	3,636	3,605	-32	-0.9%
16.0%	3,582	3,598	16	0.4%
17.3%	3,566	3,583	17	0.5%
18.5%	3,506	3,579	74	2.1%
19.8%	3,401	3,472	72	2.1%
21.0%	3,298	3,443	145	4.4%
22.2%	3,295	3,317	23	0.7%
23.5%	3,235	3,311	76	2.4%
24.7%	3,202	3,248	46	1.4%
25.9%	3,101	3,122	21	0.7%
27.2%	3,085	3,096	11	0.4%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	2,973	-66	-2.2%
30.9%	2,917	2,940	24	0.8%
32.1%	2,877	2,648	-229	-8.0%
33.3%	2,829	2,615	-215	-7.6%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,610	-3	-0.1%
37.0%	2,488	2,498	10	0.4%
38.3%	2,450	2,448	-1	-0.1%
39.5%	2,263	2,371	108	4.8%
40.7%	2,152	2,364	211	9.8%
42.0%	2,151	2,327	176	8.2%
43.2%	2,091	2,266	175	8.4%
44.4%	2,079	2,233	154	7.4%
45.7%	2,040	2,219	179	8.8%
46.9%	1,983	2,180	197	9.9%
48.1%	1,968	2,165	197	10.0%
49.4%	1,904	2,135	231	12.1%
50.6%	1,884	2,097	213	11.3%
51.9%	1,847	2,046	200	10.8%
53.1%	1,840	1,867	27	1.5%
54.3%	1,826	1,854	28	1.5%
55.6%	1,825	1,847	22	1.2%
56.8%	1,813	1,840	27	1.5%
58.0%	1,808	1,825	16	0.9%
59.3%	1,796	1,820	24	1.3%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,811	22	1.2%
63.0%	1,776	1,809	33	1.9%
64.2%	1,757	1,791	34	2.0%
65.4%	1,667	1,727	60	3.6%
66.7%	1,666	1,699	33	2.0%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,622	34	2.2%
71.6%	1,530	1,613	83	5.4%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,608	148	10.1%
75.3%	1,423	1,600	177	12.4%
76.5%	1,421	1,598	176	12.4%
77.8%	1,404	1,571	167	11.9%
79.0%	1,340	1,459	119	8.9%
80.2%	1,324	1,446	122	9.2%
81.5%	1,311	1,244	-67	-5.1%
82.7%	1,240	1,191	-49	-3.9%
84.0%	1,162	1,146	-16	-1.4%
85.2%	1,137	1,118	-19	-1.6%
86.4%	1,061	1,025	-36	-3.4%
87.7%	894	1,019	125	14.0%
88.9%	748	969	221	29.5%
90.1%	725	846	121	16.7%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	720	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	681	-1	-0.1%
97.5%	672	662	-10	-1.5%
98.8%	513	570	57	11.1%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	19,734	-58	-0.3%
1.2%	16,520	16,570	50	0.3%
2.5%	15,879	16,521	641	4.0%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,761	-7	-0.1%
6.2%	12,867	12,501	-366	-2.8%
7.4%	8,949	8,949	0	0.0%
8.6%	8,757	8,750	-6	-0.1%
9.9%	7,132	7,132	1	0.0%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,105	365	6.4%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,911	561	12.9%
16.0%	4,306	4,785	479	11.1%
17.3%	4,294	4,143	-151	-3.5%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,363	168	5.2%
21.0%	2,781	3,211	430	15.5%
22.2%	2,742	2,996	254	9.3%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,411	69	3.0%
25.9%	2,221	2,343	122	5.5%
27.2%	2,096	2,219	122	5.8%
28.4%	2,059	2,089	30	1.5%
29.6%	2,002	1,972	-29	-1.5%
30.9%	1,969	1,968	-1	-0.1%
32.1%	1,950	1,966	16	0.8%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,919	0	0.0%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,911	0	0.0%
42.0%	1,899	1,907	8	0.4%
43.2%	1,897	1,905	8	0.4%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,892	-4	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,887	3	0.2%
51.9%	1,879	1,883	4	0.2%
53.1%	1,878	1,882	4	0.2%
54.3%	1,878	1,880	2	0.1%
55.6%	1,876	1,878	2	0.1%
56.8%	1,872	1,878	6	0.3%
58.0%	1,872	1,869	-2	-0.1%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	3	0.2%
64.2%	1,856	1,859	2	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,855	85	4.8%
67.9%	1,767	1,781	14	0.8%
69.1%	1,666	1,766	100	6.0%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,666	180	12.1%
74.1%	1,441	1,661	220	15.3%
75.3%	1,400	1,610	210	15.0%
76.5%	1,342	1,591	249	18.6%
77.8%	1,340	1,549	208	15.5%
79.0%	1,333	1,456	124	9.3%
80.2%	1,303	1,284	-19	-1.4%
81.5%	1,285	1,221	-64	-5.0%
82.7%	1,181	1,210	29	2.5%
84.0%	1,178	1,185	7	0.6%
85.2%	1,132	1,021	-112	-9.9%
86.4%	1,094	1,018	-76	-6.9%
87.7%	852	985	133	15.7%
88.9%	829	841	13	1.5%
90.1%	799	827	28	3.5%
91.4%	790	795	5	0.7%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	773	51	7.1%
96.3%	722	731	10	1.4%
97.5%	718	722	3	0.5%
98.8%	689	719	29	4.3%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,274	3	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,648	0	0.0%
3.7%	15,531	15,812	281	1.8%
4.9%	14,746	15,525	778	5.3%
6.2%	12,801	12,802	1	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,656	122	1.2%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,461	0	0.0%
18.5%	6,778	6,676	-102	-1.5%
19.8%	6,640	6,676	36	0.5%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,845	28	0.5%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,417	-1	0.0%
25.9%	4,982	5,330	348	7.0%
27.2%	4,907	4,939	33	0.7%
28.4%	4,861	4,896	34	0.7%
29.6%	4,565	4,553	-13	-0.3%
30.9%	4,346	4,343	-3	-0.1%
32.1%	3,937	4,191	254	6.5%
33.3%	3,528	3,935	407	11.5%
34.6%	3,392	3,491	100	2.9%
35.8%	3,364	3,388	24	0.7%
37.0%	2,907	3,376	469	16.1%
38.3%	2,782	3,204	421	15.1%
39.5%	2,644	2,755	111	4.2%
40.7%	2,487	2,711	225	9.0%
42.0%	2,482	2,644	163	6.6%
43.2%	2,375	2,549	173	7.3%
44.4%	2,079	2,336	257	12.4%
45.7%	1,863	2,254	391	21.0%
46.9%	1,712	1,929	217	12.7%
48.1%	1,704	1,811	107	6.3%
49.4%	1,676	1,704	28	1.7%
50.6%	1,664	1,664	0	0.0%
51.9%	1,659	1,659	0	0.0%
53.1%	1,653	1,653	0	0.0%
54.3%	1,644	1,644	0	0.0%
55.6%	1,641	1,641	0	0.0%
56.8%	1,638	1,638	0	0.0%
58.0%	1,631	1,631	0	0.0%
59.3%	1,631	1,627	-4	-0.3%
60.5%	1,627	1,621	-5	-0.3%
61.7%	1,621	1,616	-5	-0.3%
63.0%	1,616	1,613	-3	-0.2%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,604	3	0.2%
71.6%	1,599	1,600	2	0.1%
72.8%	1,597	1,599	2	0.1%
74.1%	1,582	1,597	15	0.9%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,568	50	3.3%
80.2%	1,418	1,554	136	9.6%
81.5%	1,375	1,465	90	6.6%
82.7%	1,340	1,375	35	2.6%
84.0%	1,325	1,221	-104	-7.9%
85.2%	1,296	1,219	-77	-5.9%
86.4%	1,173	1,124	-49	-4.2%
87.7%	1,149	1,015	-134	-11.6%
88.9%	1,016	1,003	-13	-1.2%
90.1%	973	998	25	2.5%
91.4%	774	834	60	7.7%
92.6%	748	774	26	3.5%
93.8%	721	767	46	6.3%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	699	-3	-0.5%
100.0%	700	694	-7	-0.9%

Table SW-47-5b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,214	-13	0.0%
1.2%	15,568	15,563	-6	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,469	14	0.1%
4.9%	13,388	13,389	1	0.0%
6.2%	13,055	13,055	0	0.0%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,308	0	0.0%
9.9%	11,319	11,317	-2	0.0%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,513	6	0.1%
14.8%	10,012	10,005	-7	-0.1%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,151	-14	-0.2%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,865	-3	0.0%
23.5%	7,716	7,645	-71	-0.9%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,027	-3	0.0%
27.2%	6,732	6,540	-192	-2.8%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,075	0	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,402	-150	-2.7%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,851	-13	-0.3%
39.5%	4,621	4,621	0	0.0%
40.7%	4,549	4,549	-1	0.0%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	3,666	-426	-10.4%
45.7%	4,049	3,222	-827	-20.4%
46.9%	3,294	3,210	-83	-2.5%
48.1%	3,218	3,068	-150	-4.7%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-39	-1.3%
51.9%	2,723	2,606	-117	-4.3%
53.1%	2,452	2,595	143	5.8%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,383	37	1.6%
56.8%	2,066	2,340	274	13.3%
58.0%	1,895	2,334	438	23.1%
59.3%	1,814	2,065	252	13.9%
60.5%	1,754	1,714	-40	-2.3%
61.7%	1,747	1,687	-61	-3.5%
63.0%	1,646	1,646	0	0.0%
64.2%	1,642	1,642	0	0.0%
65.4%	1,640	1,640	0	0.0%
66.7%	1,622	1,622	0	0.0%
67.9%	1,556	1,560	4	0.3%
69.1%	1,442	1,557	115	7.9%
70.4%	1,435	1,529	95	6.6%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,334	0	0.0%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,291	17	1.3%
85.2%	1,253	1,280	28	2.2%
86.4%	1,152	1,223	71	6.2%
87.7%	1,103	1,153	50	4.5%
88.9%	1,083	1,152	68	6.3%
90.1%	986	1,026	41	4.1%
91.4%	954	938	-16	-1.7%
92.6%	936	938	1	0.1%
93.8%	842	863	21	2.5%
95.1%	815	815	0	0.0%
96.3%	731	730	-1	-0.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,591	20	0.1%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,009	133	1.1%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,451	15	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,405	611	7.8%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,496	-1	0.0%
23.5%	4,368	4,352	-16	-0.4%
24.7%	4,347	4,322	-25	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,242	-11	-0.2%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,905	-4	-0.1%
33.3%	3,831	3,810	-21	-0.5%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,307	2	0.1%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,190	192	6.4%
43.2%	2,979	3,066	87	2.9%
44.4%	2,924	3,001	77	2.6%
45.7%	2,880	2,977	98	3.4%
46.9%	2,773	2,887	115	4.1%
48.1%	2,592	2,773	181	7.0%
49.4%	2,363	2,599	236	10.0%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,297	217	10.4%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,962	80	4.2%
55.6%	1,872	1,941	69	3.7%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,868	80	4.4%
59.3%	1,678	1,861	183	10.9%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,552	0	0.0%
70.4%	1,383	1,362	-21	-1.6%
71.6%	1,362	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,175	3	0.2%
76.5%	1,055	1,173	117	11.1%
77.8%	1,035	1,076	41	3.9%
79.0%	1,014	1,035	21	2.1%
80.2%	1,000	1,025	25	2.5%
81.5%	974	1,013	38	3.9%
82.7%	969	989	21	2.1%
84.0%	932	978	46	5.0%
85.2%	865	959	94	10.9%
86.4%	854	843	-11	-1.3%
87.7%	833	835	2	0.2%
88.9%	823	775	-48	-5.8%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	736	-7	-1.0%
93.8%	743	728	-15	-2.0%
95.1%	685	696	12	1.7%
96.3%	664	655	-8	-1.3%
97.5%	655	648	-8	-1.2%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,702	9	0.1%
7.4%	6,681	6,680	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,694	1	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,333	-128	-2.9%
23.5%	4,336	4,312	-24	-0.6%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,040	0	0.0%
27.2%	3,968	3,968	0	0.0%
28.4%	3,968	3,968	0	0.0%
29.6%	3,938	3,946	8	0.2%
30.9%	3,933	3,936	3	0.1%
32.1%	3,926	3,933	7	0.2%
33.3%	3,812	3,877	65	1.7%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,545	79	2.3%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,463	540	18.5%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,942	263	9.8%
42.0%	2,643	2,881	237	9.0%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,398	10	0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,257	3	0.1%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	2,040	-74	-3.5%
54.3%	1,983	1,983	0	0.0%
55.6%	1,869	1,964	96	5.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,799	21	1.2%
59.3%	1,702	1,781	78	4.6%
60.5%	1,646	1,780	134	8.1%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,549	24	1.6%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,511	0	0.0%
66.7%	1,503	1,503	0	0.0%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,489	39	2.7%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,269	0	0.0%
72.8%	1,255	1,255	0	0.0%
74.1%	1,236	1,237	1	0.1%
75.3%	1,218	1,218	0	0.0%
76.5%	1,216	1,211	-5	-0.4%
77.8%	1,205	1,205	0	0.0%
79.0%	1,198	1,132	-66	-5.5%
80.2%	1,155	1,073	-82	-7.1%
81.5%	1,098	1,054	-43	-3.9%
82.7%	1,054	932	-123	-11.6%
84.0%	948	929	-19	-2.0%
85.2%	919	921	2	0.2%
86.4%	899	910	11	1.3%
87.7%	850	813	-37	-4.4%
88.9%	798	797	-1	-0.1%
90.1%	783	791	8	1.0%
91.4%	783	779	-4	-0.5%
92.6%	720	779	58	8.1%
93.8%	685	775	90	13.1%
95.1%	680	762	82	12.1%
96.3%	654	741	88	13.4%
97.5%	640	691	51	8.0%
98.8%	579	662	83	14.4%
100.0%	188	339	151	80.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,899	10	0.2%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,068	5	0.1%
27.2%	4,060	4,034	-26	-0.6%
28.4%	3,817	3,816	-1	0.0%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,760	103	2.8%
32.1%	3,550	3,690	141	4.0%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,275	80	2.5%
38.3%	3,191	3,191	0	0.0%
39.5%	3,160	3,165	5	0.2%
40.7%	3,142	3,142	0	0.0%
42.0%	3,134	3,134	0	0.0%
43.2%	3,121	3,060	-61	-1.9%
44.4%	3,060	3,043	-17	-0.6%
45.7%	3,034	3,009	-25	-0.8%
46.9%	2,760	2,861	101	3.6%
48.1%	2,674	2,658	-15	-0.6%
49.4%	2,626	2,627	1	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,266	12	0.5%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,973	3	0.2%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,494	-10	-0.7%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,360	125	10.1%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	15	1.3%
76.5%	1,090	1,145	55	5.1%
77.8%	1,038	1,130	92	8.9%
79.0%	1,029	1,045	16	1.6%
80.2%	947	1,032	85	9.0%
81.5%	941	1,032	91	9.6%
82.7%	928	1,023	95	10.2%
84.0%	870	1,021	151	17.3%
85.2%	863	995	132	15.2%
86.4%	845	985	139	16.5%
87.7%	830	960	130	15.7%
88.9%	796	923	128	16.0%
90.1%	768	905	136	17.7%
91.4%	716	875	159	22.2%
92.6%	698	860	162	23.2%
93.8%	661	749	88	13.4%
95.1%	649	743	95	14.6%
96.3%	627	719	92	14.7%
97.5%	594	652	59	9.9%
98.8%	571	626	55	9.6%
100.0%	188	384	196	104.1%

Table SW-47-5b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,828	11	0.2%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,708	-31	-0.6%
21.0%	4,541	4,489	-52	-1.1%
22.2%	4,482	4,456	-26	-0.6%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	3,854	-462	-10.7%
27.2%	4,294	3,792	-502	-11.7%
28.4%	3,813	3,647	-166	-4.4%
29.6%	3,647	3,500	-146	-4.0%
30.9%	3,617	3,165	-451	-12.5%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	3,013	-488	-13.9%
34.6%	3,143	2,887	-256	-8.2%
35.8%	3,065	2,878	-187	-6.1%
37.0%	2,864	2,773	-91	-3.2%
38.3%	2,776	2,672	-105	-3.8%
39.5%	2,672	2,657	-14	-0.5%
40.7%	2,662	2,639	-23	-0.9%
42.0%	2,639	2,639	0	0.0%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,465	-89	-3.5%
45.7%	2,528	2,457	-71	-2.8%
46.9%	2,468	2,325	-144	-5.8%
48.1%	2,464	2,285	-179	-7.3%
49.4%	2,447	2,227	-219	-9.0%
50.6%	2,363	2,200	-163	-6.9%
51.9%	2,327	2,197	-131	-5.6%
53.1%	2,296	2,193	-103	-4.5%
54.3%	2,197	2,163	-34	-1.5%
55.6%	2,193	2,013	-180	-8.2%
56.8%	2,176	1,974	-202	-9.3%
58.0%	2,116	1,949	-166	-7.9%
59.3%	2,029	1,862	-167	-8.2%
60.5%	1,997	1,839	-159	-7.9%
61.7%	1,966	1,835	-131	-6.7%
63.0%	1,882	1,758	-123	-6.6%
64.2%	1,839	1,729	-109	-5.9%
65.4%	1,720	1,720	0	0.0%
66.7%	1,712	1,677	-35	-2.0%
67.9%	1,495	1,633	137	9.2%
69.1%	1,491	1,495	4	0.3%
70.4%	1,480	1,491	11	0.7%
71.6%	1,480	1,491	11	0.8%
72.8%	1,472	1,478	6	0.4%
74.1%	1,472	1,477	5	0.3%
75.3%	1,468	1,472	4	0.3%
76.5%	1,458	1,472	15	1.0%
77.8%	1,457	1,469	12	0.8%
79.0%	1,457	1,468	11	0.8%
80.2%	1,455	1,458	3	0.2%
81.5%	1,451	1,457	7	0.5%
82.7%	1,403	1,455	51	3.7%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,232	187	17.9%
87.7%	980	1,222	243	24.8%
88.9%	946	1,216	270	28.6%
90.1%	889	1,058	169	19.0%
91.4%	814	800	-14	-1.7%
92.6%	803	786	-17	-2.2%
93.8%	726	769	42	5.8%
95.1%	690	728	38	5.5%
96.3%	550	352	-198	-36.0%
97.5%	511	274	-237	-46.3%
98.8%	332	258	-74	-22.2%
100.0%	188	190	2	1.0%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,720	-7	-0.2%
7.4%	4,727	4,717	-10	-0.2%
8.6%	4,727	4,713	-14	-0.3%
9.9%	4,726	4,712	-14	-0.3%
11.1%	4,724	4,708	-15	-0.3%
12.3%	4,723	4,707	-16	-0.3%
13.6%	4,723	4,706	-17	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,702	-17	-0.4%
17.3%	4,719	4,694	-25	-0.5%
18.5%	4,718	4,600	-118	-2.5%
19.8%	4,717	4,526	-191	-4.0%
21.0%	4,717	4,488	-229	-4.9%
22.2%	4,716	4,392	-324	-6.9%
23.5%	4,712	4,324	-387	-8.2%
24.7%	4,709	4,249	-460	-9.8%
25.9%	4,707	4,232	-475	-10.1%
27.2%	4,707	4,127	-580	-12.3%
28.4%	4,702	4,119	-584	-12.4%
29.6%	4,698	4,063	-635	-13.5%
30.9%	4,690	4,035	-655	-14.0%
32.1%	4,684	3,932	-752	-16.1%
33.3%	4,623	3,895	-728	-15.8%
34.6%	4,424	3,825	-599	-13.5%
35.8%	4,373	3,811	-562	-12.8%
37.0%	4,364	3,751	-613	-14.1%
38.3%	4,288	3,726	-562	-13.1%
39.5%	4,282	3,723	-559	-13.1%
40.7%	4,233	3,483	-750	-17.7%
42.0%	4,232	3,480	-752	-17.8%
43.2%	4,105	3,467	-638	-15.5%
44.4%	3,838	3,429	-410	-10.7%
45.7%	3,723	3,125	-598	-16.1%
46.9%	3,639	3,115	-525	-14.4%
48.1%	3,615	3,036	-579	-16.0%
49.4%	3,480	2,990	-491	-14.1%
50.6%	3,323	2,892	-431	-13.0%
51.9%	3,319	2,754	-565	-17.0%
53.1%	3,262	2,744	-519	-15.9%
54.3%	3,260	2,674	-586	-18.0%
55.6%	3,123	2,672	-451	-14.4%
56.8%	3,068	2,623	-445	-14.5%
58.0%	2,979	2,602	-377	-12.7%
59.3%	2,939	2,602	-337	-11.5%
60.5%	2,835	2,556	-278	-9.8%
61.7%	2,819	2,554	-265	-9.4%
63.0%	2,772	2,481	-291	-10.5%
64.2%	2,754	2,477	-277	-10.1%
65.4%	2,750	2,472	-278	-10.1%
66.7%	2,706	2,466	-240	-8.9%
67.9%	2,659	2,453	-206	-7.7%
69.1%	2,623	2,446	-177	-6.8%
70.4%	2,609	2,441	-168	-6.4%
71.6%	2,578	2,438	-140	-5.4%
72.8%	2,477	2,400	-77	-3.1%
74.1%	2,466	2,383	-83	-3.4%
75.3%	2,457	2,325	-132	-5.4%
76.5%	2,396	2,247	-148	-6.2%
77.8%	2,383	2,240	-144	-6.0%
79.0%	2,382	2,232	-150	-6.3%
80.2%	2,247	1,972	-276	-12.3%
81.5%	2,225	1,968	-256	-11.5%
82.7%	2,102	1,965	-137	-6.5%
84.0%	1,849	1,703	-146	-7.9%
85.2%	1,824	1,649	-175	-9.6%
86.4%	1,644	1,534	-109	-6.6%
87.7%	1,542	1,373	-169	-10.9%
88.9%	1,443	1,282	-161	-11.2%
90.1%	1,413	1,257	-156	-11.0%
91.4%	1,349	1,254	-95	-7.1%
92.6%	1,190	1,194	4	0.3%
93.8%	1,091	1,119	28	2.6%
95.1%	588	1,080	492	83.7%
96.3%	556	766	210	37.8%
97.5%	546	463	-82	-15.1%
98.8%	188	248	60	32.0%
100.0%	188	218	30	15.9%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,939	-28	-0.7%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,780	1	0.0%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,682	-3	-0.1%
16.0%	3,634	3,634	0	0.0%
17.3%	3,548	3,554	6	0.2%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,312	-80	-2.4%
21.0%	3,192	3,284	92	2.9%
22.2%	3,157	3,267	110	3.5%
23.5%	3,143	3,203	60	1.9%
24.7%	3,136	3,156	20	0.6%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	2,993	-15	-0.5%
28.4%	2,967	2,932	-35	-1.2%
29.6%	2,941	2,903	-38	-1.3%
30.9%	2,892	2,786	-106	-3.7%
32.1%	2,862	2,785	-77	-2.7%
33.3%	2,687	2,751	64	2.4%
34.6%	2,628	2,733	105	4.0%
35.8%	2,625	2,707	82	3.1%
37.0%	2,594	2,686	92	3.5%
38.3%	2,562	2,680	119	4.6%
39.5%	2,501	2,664	163	6.5%
40.7%	2,398	2,642	244	10.2%
42.0%	2,393	2,561	168	7.0%
43.2%	2,391	2,519	128	5.4%
44.4%	2,372	2,512	140	5.9%
45.7%	2,360	2,510	150	6.4%
46.9%	2,323	2,500	177	7.6%
48.1%	2,238	2,404	165	7.4%
49.4%	2,224	2,385	161	7.3%
50.6%	2,158	2,354	196	9.1%
51.9%	2,098	2,313	215	10.3%
53.1%	2,079	2,218	139	6.7%
54.3%	2,074	2,213	139	6.7%
55.6%	2,063	2,146	83	4.0%
56.8%	2,029	2,056	28	1.4%
58.0%	2,020	1,957	-62	-3.1%
59.3%	2,013	1,910	-103	-5.1%
60.5%	1,982	1,818	-165	-8.3%
61.7%	1,949	1,782	-167	-8.6%
63.0%	1,866	1,757	-109	-5.8%
64.2%	1,726	1,722	-4	-0.2%
65.4%	1,699	1,712	13	0.8%
66.7%	1,667	1,665	-2	-0.1%
67.9%	1,617	1,651	34	2.1%
69.1%	1,489	1,649	160	10.7%
70.4%	1,489	1,649	160	10.7%
71.6%	1,482	1,609	127	8.6%
72.8%	1,473	1,603	130	8.8%
74.1%	1,470	1,584	113	7.7%
75.3%	1,470	1,556	86	5.9%
76.5%	1,466	1,548	81	5.5%
77.8%	1,370	1,489	119	8.7%
79.0%	1,213	1,483	270	22.2%
80.2%	1,102	1,474	372	33.7%
81.5%	1,093	1,317	224	20.5%
82.7%	1,041	1,301	260	25.0%
84.0%	1,040	1,293	252	24.3%
85.2%	993	1,171	179	18.0%
86.4%	922	1,102	181	19.6%
87.7%	750	1,100	350	46.6%
88.9%	728	932	203	27.9%
90.1%	723	921	197	27.3%
91.4%	703	912	210	29.8%
92.6%	624	773	148	23.7%
93.8%	571	769	198	34.7%
95.1%	561	701	140	25.0%
96.3%	549	527	-21	-3.9%
97.5%	545	522	-23	-4.2%
98.8%	444	413	-31	-6.9%
100.0%	188	298	110	58.7%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,404	-388	-8.1%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,300	-479	-10.0%
4.9%	4,773	4,206	-567	-11.9%
6.2%	4,751	4,144	-607	-12.8%
7.4%	4,679	4,136	-543	-11.6%
8.6%	4,607	4,051	-556	-12.1%
9.9%	4,514	4,039	-474	-10.5%
11.1%	4,494	4,001	-492	-11.0%
12.3%	4,463	3,984	-479	-10.7%
13.6%	4,341	3,972	-368	-8.5%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,800	-344	-8.3%
18.5%	4,089	3,797	-292	-7.1%
19.8%	4,080	3,795	-285	-7.0%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,762	-242	-6.0%
23.5%	4,001	3,720	-281	-7.0%
24.7%	3,965	3,682	-283	-7.1%
25.9%	3,960	3,681	-278	-7.0%
27.2%	3,840	3,661	-179	-4.7%
28.4%	3,758	3,620	-139	-3.7%
29.6%	3,712	3,524	-188	-5.1%
30.9%	3,684	3,522	-162	-4.4%
32.1%	3,660	3,497	-163	-4.4%
33.3%	3,453	3,204	-249	-7.2%
34.6%	3,337	3,101	-235	-7.1%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,895	82	2.9%
38.3%	2,784	2,789	5	0.2%
39.5%	2,739	2,771	32	1.2%
40.7%	2,610	2,718	108	4.2%
42.0%	2,588	2,605	18	0.7%
43.2%	2,569	2,460	-110	-4.3%
44.4%	2,428	2,458	30	1.2%
45.7%	2,368	2,319	-49	-2.1%
46.9%	2,350	2,317	-33	-1.4%
48.1%	2,286	2,302	17	0.7%
49.4%	2,119	2,296	176	8.3%
50.6%	2,029	2,267	238	11.7%
51.9%	2,027	2,251	225	11.1%
53.1%	1,897	2,178	280	14.8%
54.3%	1,842	2,157	316	17.1%
55.6%	1,835	1,807	-28	-1.6%
56.8%	1,813	1,792	-21	-1.1%
58.0%	1,806	1,740	-66	-3.6%
59.3%	1,776	1,671	-105	-5.9%
60.5%	1,763	1,579	-184	-10.4%
61.7%	1,722	1,535	-186	-10.8%
63.0%	1,671	1,464	-207	-12.4%
64.2%	1,665	1,454	-211	-12.7%
65.4%	1,610	1,436	-174	-10.8%
66.7%	1,585	1,435	-150	-9.5%
67.9%	1,535	1,396	-139	-9.1%
69.1%	1,438	1,384	-53	-3.7%
70.4%	1,396	1,354	-43	-3.1%
71.6%	1,357	1,320	-37	-2.7%
72.8%	1,339	1,318	-21	-1.6%
74.1%	1,318	1,312	-6	-0.5%
75.3%	1,312	1,189	-122	-9.3%
76.5%	1,286	1,154	-132	-10.3%
77.8%	1,280	1,145	-135	-10.5%
79.0%	1,150	1,130	-19	-1.7%
80.2%	1,109	1,076	-33	-3.0%
81.5%	944	1,024	79	8.4%
82.7%	906	959	52	5.8%
84.0%	805	931	126	15.7%
85.2%	790	900	110	13.9%
86.4%	771	840	69	8.9%
87.7%	758	791	33	4.3%
88.9%	754	788	34	4.5%
90.1%	707	785	78	11.0%
91.4%	633	769	135	21.4%
92.6%	606	602	-4	-0.7%
93.8%	605	601	-4	-0.6%
95.1%	603	533	-70	-11.5%
96.3%	598	503	-95	-15.9%
97.5%	367	383	17	4.5%
98.8%	281	374	93	33.1%
100.0%	281	281	0	0.0%

Table SW-53-5a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative B	3	4	5	6	7	6	4	4	5	6	5	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.7%	3.0%	7.2%	2.7%	3.3%	-1.7%	-5.5%	-4.5%	-4.0%	-0.7%	-1.5%	-1.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative B	4	5	5	11	11	10	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.0%	-1.0%	8.1%	1.6%	1.5%	-0.4%	-1.6%	0.0%	1.0%	-0.4%	-1.7%	-3.2%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative B	3	4	5	7	9	7	4	4	5	6	5	3
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	3.3%	3.4%	10.1%	-1.9%	1.9%	-2.2%	-2.3%	0.1%	-5.2%	-0.1%	-3.5%	-6.8%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative B	3	3	6	4	5	4	3	3	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	8.0%	8.8%	7.6%	4.6%	6.2%	-4.9%	-5.6%	-8.6%	-7.5%	-0.5%	-3.0%	3.6%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative B	3	3	5	3	4	3	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-9.8%	9.0%	5.8%	12.1%	9.0%	-4.3%	-13.3%	-9.4%	-8.5%	0.3%	-2.5%	-0.4%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative B	2	2	3	3	3	2	3	3	5	5	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	0.2%	0.7%	5.4%	5.2%	-0.2%	-15.0%	-13.4%	-3.2%	-3.6%	4.8%	12.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

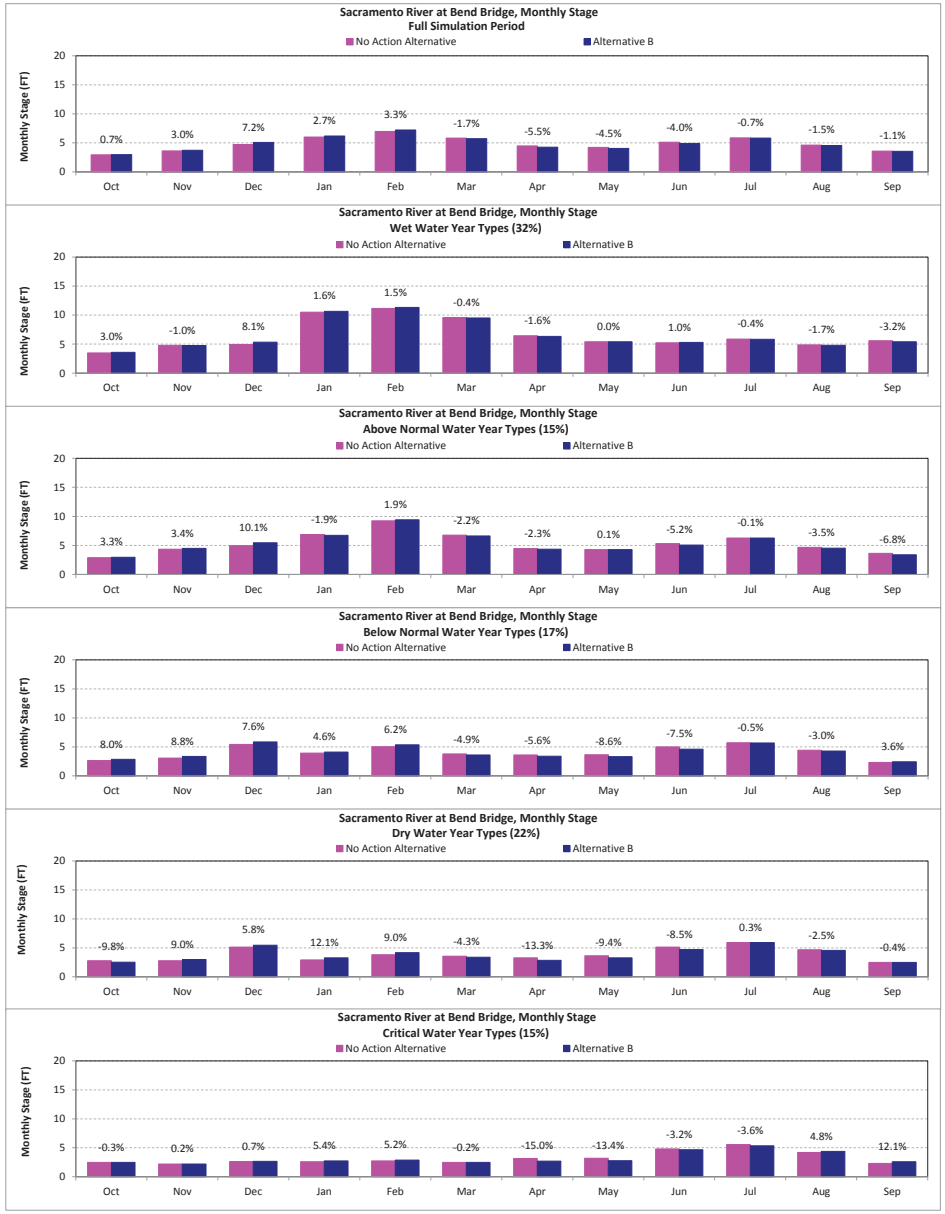

Figure SW-53-5b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

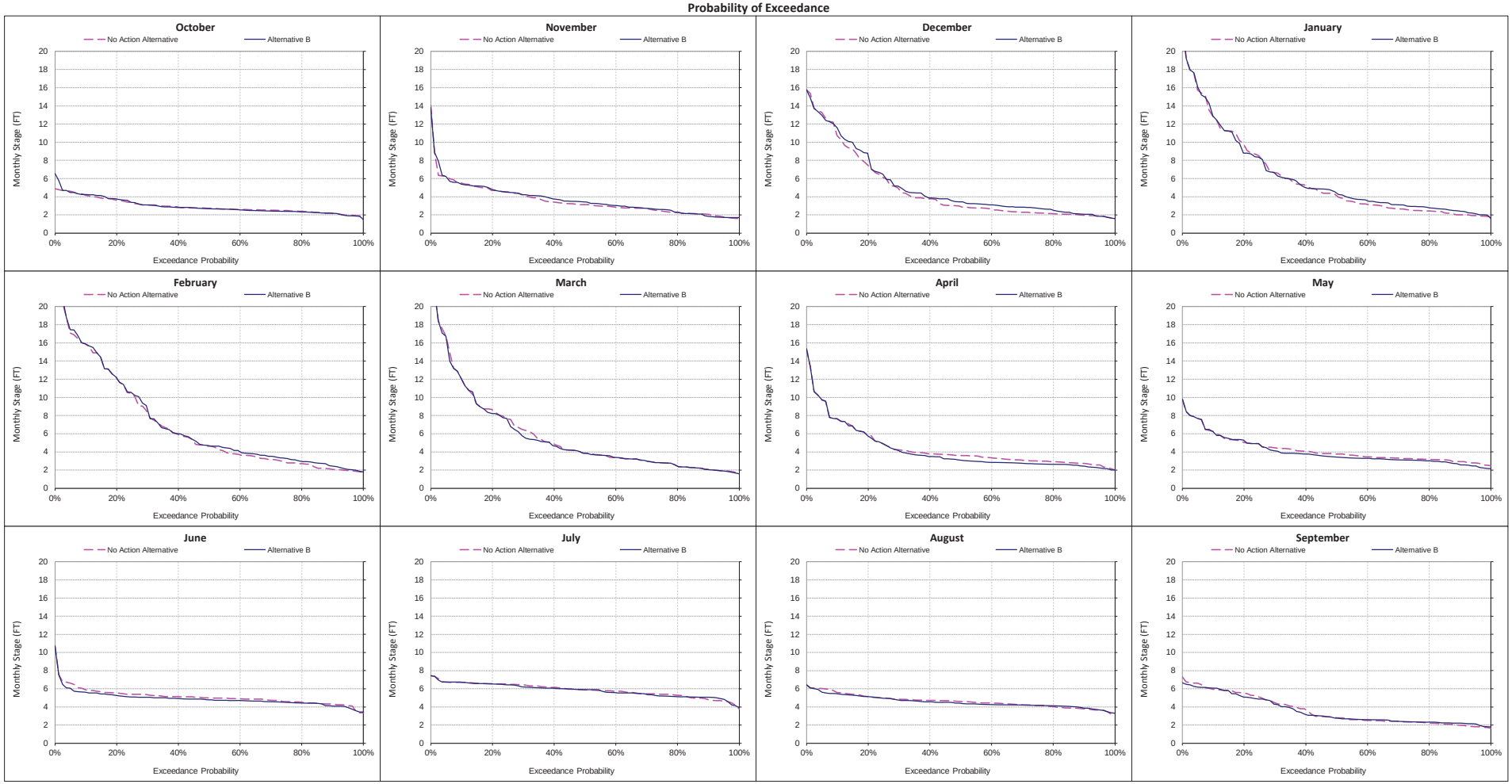

Table SW-53-5b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	7	2	34.7%
1.2%	5	6	1	21.0%
2.5%	5	5	0	0.0%
3.7%	5	5	0	0.0%
4.9%	5	4	0	-3.1%
6.2%	5	4	0	-1.1%
7.4%	4	4	0	0.0%
8.6%	4	4	0	-1.5%
9.9%	4	4	0	1.8%
11.1%	4	4	0	3.4%
12.3%	4	4	0	5.4%
13.6%	4	4	0	4.3%
14.8%	4	4	0	7.0%
16.0%	4	4	0	5.4%
17.3%	4	4	0	0.1%
18.5%	4	4	0	1.9%
19.8%	4	4	0	4.0%
21.0%	4	4	0	2.5%
22.2%	4	4	0	2.8%
23.5%	3	4	0	5.6%
24.7%	3	3	0	0.3%
25.9%	3	3	0	4.0%
27.2%	3	3	0	-0.6%
28.4%	3	3	0	0.0%
29.6%	3	3	0	-0.1%
30.9%	3	3	0	-0.6%
32.1%	3	3	0	-1.6%
33.3%	3	3	0	-2.3%
34.6%	3	3	0	-2.8%
35.8%	3	3	0	-3.3%
37.0%	3	3	0	-2.9%
38.3%	3	3	0	-2.9%
39.5%	3	3	0	-3.0%
40.7%	3	3	0	0.4%
42.0%	3	3	0	0.7%
43.2%	3	3	0	0.9%
44.4%	3	3	0	1.1%
45.7%	3	3	0	0.1%
46.9%	3	3	0	-2.0%
48.1%	3	3	0	-2.0%
49.4%	3	3	0	-1.8%
50.6%	3	3	0	-2.4%
51.9%	3	3	0	-1.6%
53.1%	3	3	0	-1.6%
54.3%	3	3	0	-0.3%
55.6%	3	3	0	-0.6%
56.8%	3	3	0	-0.9%
58.0%	3	3	0	-1.1%
59.3%	3	3	0	-1.1%
60.5%	3	3	0	-2.4%
61.7%	3	3	0	-3.1%
63.0%	3	2	0	-3.1%
64.2%	3	2	0	-3.5%
65.4%	3	2	0	-3.3%
66.7%	3	2	0	-2.5%
67.9%	3	2	0	-2.6%
69.1%	3	2	0	-3.3%
70.4%	3	2	0	-3.5%
71.6%	3	2	0	-3.9%
72.8%	2	2	0	-3.9%
74.1%	2	2	0	-3.3%
75.3%	2	2	0	-3.7%
76.5%	2	2	0	-2.8%
77.8%	2	2	0	-2.9%
79.0%	2	2	0	-2.7%
80.2%	2	2	0	-2.5%
81.5%	2	2	0	-1.7%
82.7%	2	2	0	-2.3%
84.0%	2	2	0	-0.9%
85.2%	2	2	0	-0.5%
86.4%	2	2	0	0.6%
87.7%	2	2	0	0.9%
88.9%	2	2	0	1.4%
90.1%	2	2	0	0.8%
91.4%	2	2	0	1.4%
92.6%	2	2	0	-1.2%
93.8%	2	2	0	-1.4%
95.1%	2	2	0	-1.7%
96.3%	2	2	0	-1.9%
97.5%	2	2	0	-2.9%
98.8%	2	2	0	-3.4%
100.0%	1	1	0	6.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	-1.8%
1.2%	9	9	0	0.0%
2.5%	6	8	2	24.5%
3.7%	6	6	0	1.3%
4.9%	6	6	0	-0.5%
6.2%	6	6	0	-4.9%
7.4%	6	6	0	-4.4%
8.6%	6	6	0	0.9%
9.9%	5	5	0	-1.8%
11.1%	5	5	0	-1.9%
12.3%	5	5	0	-1.1%
13.6%	5	5	0	0.0%
14.8%	5	5	0	1.9%
16.0%	5	5	0	2.9%
17.3%	5	5	0	3.9%
18.5%	5	5	0	1.8%
19.8%	5	5	0	2.8%
21.0%	5	5	0	-0.1%
22.2%	5	5	0	-0.7%
23.5%	5	5	0	0.0%
24.7%	5	5	0	-1.1%
25.9%	5	4	0	-1.0%
27.2%	4	4	0	1.6%
28.4%	4	4	0	0.0%
29.6%	4	4	0	-0.4%
30.9%	4	4	0	3.2%
32.1%	4	4	0	4.1%
33.3%	4	4	0	6.0%
34.6%	4	4	0	6.2%
35.8%	4	4	0	10.1%
37.0%	4	4	0	13.5%
38.3%	3	4	0	11.6%
39.5%	3	4	0	9.3%
40.7%	3	4	0	9.9%
42.0%	3	4	0	10.1%
43.2%	3	4	0	6.9%
44.4%	3	4	0	8.3%
45.7%	3	3	0	8.0%
46.9%	3	3	0	9.1%
48.1%	3	3	0	10.9%
49.4%	3	3	0	9.7%
50.6%	3	3	0	9.0%
51.9%	3	3	0	4.8%
53.1%	3	3	0	7.8%
54.3%	3	3	0	8.8%
55.6%	3	3	0	7.5%
56.8%	3	3	0	6.8%
58.0%	3	3	0	5.4%
59.3%	3	3	0	5.2%
60.5%	3	3	0	7.0%
61.7%	3	3	0	6.9%
63.0%	3	3	0	6.3%
64.2%	3	3	0	2.9%
65.4%	3	3	0	3.0%
66.7%	3	3	0	2.1%
67.9%	3	3	0	1.9%
69.1%	3	3	0	-0.2%
70.4%	3	3	0	1.3%
71.6%	3	3	0	4.4%
72.8%	3	3	0	4.3%
74.1%	2	3	0	5.6%
75.3%	2	3	0	8.3%
76.5%	2	3	0	9.7%
77.8%	2	3	0	10.0%
79.0%	2	2	0	1.9%
80.2%	2	2	0	0.8%
81.5%	2	2	0	-0.5%
82.7%	2	2	0	-0.8%
84.0%	2	2	0	-0.7%
85.2%	2	2	0	-2.3%
86.4%	2	2	0	-0.5%
87.7%	2	2	0	-1.1%
88.9%	2	2	0	-9.2%
90.1%	2	2	0	-10.1%
91.4%	2	2	0	-7.3%
92.6%	2	2	0	-6.7%
93.8%	2	2	0	-5.6%
95.1%	2	2	0	-1.9%
96.3%	2	2	0	1.1%
97.5%	2	2	0	3.6%
98.8%	2	2	0	5.3%
100.0%	2	2	0	7.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-3.0%
2.5%	14	14	0	0.0%
3.7%	13	13	0	-0.6%
4.9%	13	13	0	-2.6%
6.2%	13	12	0	-1.9%
7.4%	12	12	0	0.0%
8.6%	12	12	0	-1.4%
9.9%	11	12	1	8.0%
11.1%	10	11	0	3.9%
12.3%	10	10	1	6.6%
13.6%	9	10	1	7.4%
14.8%	9	10	1	7.6%
16.0%	9	9	0	5.6%
17.3%	8	9	1	12.1%
18.5%	8	9	1	12.1%
19.8%	8	9	1	17.3%
21.0%	7	7	0	-1.3%
22.2%	7	7	0	1.8%
23.5%	6	7	0	2.8%
24.7%	6	6	0	5.6%
25.9%	6	6	0	-1.0%
27.2%	5	6	1	12.4%
28.4%	5	5	0	1.0%
29.6%	5	5	0	3.8%
30.9%	4	5	0	10.6%
32.1%	4	5	0	5.2%
33.3%	4	4	0	8.1%
34.6%	4	4	1	14.6%
35.8%	4	4	1	13.7%
37.0%	4	4	1	14.1%
38.3%	4	4	0	7.7%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.8%
42.0%	4	4	0	4.1%
43.2%	3	4	1	17.1%
44.4%	3	4	1	23.2%
45.7%	3	4	1	23.5%
46.9%	3	4	1	17.6%
48.1%	3	3	0	14.8%
49.4%	3	3	0	15.9%
50.6%	3	3	1	20.3%
51.9%	3	3	0	14.9%
53.1%	3	3	0	15.9%
54.3%	3	3	0	16.4%
55.6%	3	3	0	16.1%
56.8%	3	3	0	14.8%
58.0%	3	3	0	15.3%
59.3%	3	3	0	15.0%
60.5%	3	3	1	22.0%
61.7%	3	3	1	20.4%
63.0%	2	3	1	21.6%
64.2%	2	3	0	20.4%
65.4%	2	3	1	21.3%
66.7%	2	3	1	23.4%
67.9%	2	3	1	21.7%
69.1%	2	3	1	23.9%
70.4%	2	3	1	24.1%
71.6%	2	3	1	23.0%
72.8%	2	3	1	24.1%
74.1%	2	3	1	24.7%
75.3%	2	3	1	24.4%
76.5%	2	3	0	21.1%
77.8%	2	3	0	22.0%
79.0%	2	3	0	22.1%
80.2%	2	2	0	17.4%
81.5%	2	2	0	14.5%
82.7%	2	2	0	12.4%
84.0%	2	2	0	10.6%
85.2%	2	2	0	10.3%
86.4%	2	2	0	4.5%
87.7%	2	2	0	3.0%
88.9%	2	2	0	6.3%
90.1%	2	2	0	6.2%
91.4%	2	2	0	7.2%
92.6%	2	2	0	7.7%
93.8%	2	2	0	0.0%
95.1%	2	2	0	-1.5%
96.3%	2	2	0	0.0%
97.5%	2	2	0	0.0%
98.8%	2	2	0	-0.1%
100.0%	2	2	0	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	16	16	0	2.1%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-1.5%
8.6%	14	14	1	5.4%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	12	0	3.1%
13.6%	11	11	0	0.0%
14.8%	11	11	0	-0.3%
16.0%	11	11	0	-0.9%
17.3%	11	10	-1	-7.3%
18.5%	10	10	0	-3.2%
19.8%	10	9	-1	-10.7%
21.0%	9	9	0	-3.2%
22.2%	9	9	0	-0.9%
23.5%	9	8	0	-3.7%
24.7%	9	8	0	-2.3%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-9.2%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-2.1%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	4.6%
37.0%	5	6	0	5.4%
38.3%	5	5	0	-1.1%
39.5%	5	5	0	-4.3%
40.7%	5	5	0	-2.8%
42.0%	5	5	0	1.0%
43.2%	5	5	0	0.8%
44.4%	5	5	0	7.0%
45.7%	4	5	0	10.5%
46.9%	4	5	0	10.5%
48.1%	4	5	0	8.2%
49.4%	4	5	0	6.6%
50.6%	4	4	0	7.9%
51.9%	4	4	0	9.7%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	9.7%
56.8%	3	4	0	13.3%
58.0%	3	4	0	14.0%
59.3%	3	4	0	14.4%
60.5%	3	3	0	12.2%
61.7%	3	3	0	12.8%
63.0%	3	3	0	10.6%
64.2%	3	3	0	11.6%
65.4%	3	3	0	13.9%
66.7%	3	3	1	20.3%
67.9%	3	3	0	14.2%
69.1%	3	3	0	15.9%
70.4%	3	3	0	17.2%
71.6%	3	3	0	16.5%
72.8%	3	3	0	16.0%
74.1%	3	3	0	16.7%
75.3%	2	3	0	17.9%
76.5%	2	3	0	17.3%
77.8%	2	3	0	17.7%
79.0%	2	3	0	17.4%
80.2%	2	3	0	14.1%
81.5%	2	3	0	13.7%
82.7%	2	3	0	13.1%
84.0%	2	3	0	12.1%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	17.2%
88.9%	2	2	0	21.7%
90.1%	2	2	0	20.3%
91.4%	2	2	0	18.3%
92.6%	2	2	0	11.4%
93.8%	2	2	0	14.5%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.9%
97.5%	2	2	0	7.2%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.2%

Table SW-53-5b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	20	21	1	4.6%
2.5%	20	21	0	2.3%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.3%
6.2%	17	17	1	3.1%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.1%
9.9%	16	16	0	0.0%
11.1%	16	16	0	0.6%
12.3%	15	16	1	4.0%
13.6%	15	15	0	0.0%
14.8%	14	14	0	0.0%
16.0%	13	13	0	0.0%
17.3%	13	13	0	0.0%
18.5%	13	13	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	11	0	0.9%
24.7%	10	11	0	0.7%
25.9%	10	10	0	1.5%
27.2%	9	10	1	11.2%
28.4%	9	9	0	3.6%
29.6%	9	9	1	6.5%
30.9%	8	8	0	-0.9%
32.1%	7	8	0	2.2%
33.3%	7	7	0	0.0%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-1.4%
37.0%	7	6	0	-1.3%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.7%
40.7%	6	6	0	3.7%
42.0%	6	6	0	1.6%
43.2%	6	6	0	1.5%
44.4%	5	5	0	0.0%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.0%
49.4%	5	5	0	2.0%
50.6%	5	5	0	0.1%
51.9%	5	5	0	2.8%
53.1%	4	5	0	9.4%
54.3%	4	5	0	8.2%
55.6%	4	4	1	13.1%
56.8%	4	4	1	14.9%
58.0%	4	4	0	9.8%
59.3%	4	4	0	11.2%
60.5%	4	4	0	7.5%
61.7%	4	4	0	6.1%
63.0%	4	4	0	6.8%
64.2%	4	4	0	7.0%
65.4%	3	4	0	9.4%
66.7%	3	4	0	10.6%
67.9%	3	4	0	11.3%
69.1%	3	4	0	10.8%
70.4%	3	4	0	11.1%
71.6%	3	3	0	9.2%
72.8%	3	3	0	10.6%
74.1%	3	3	0	13.0%
75.3%	3	3	0	17.0%
76.5%	3	3	0	12.6%
77.8%	3	3	0	12.9%
79.0%	3	3	0	11.8%
80.2%	3	3	0	8.8%
81.5%	3	3	0	10.3%
82.7%	3	3	0	9.5%
84.0%	2	3	0	19.3%
85.2%	2	3	1	24.9%
86.4%	2	3	1	24.4%
87.7%	2	3	1	25.2%
88.9%	2	2	0	15.6%
90.1%	2	2	0	17.7%
91.4%	2	2	0	15.9%
92.6%	2	2	0	11.5%
93.8%	2	2	0	8.4%
95.1%	2	2	0	5.2%
96.3%	2	2	0	5.6%
97.5%	2	2	0	6.5%
98.8%	2	2	0	4.0%
100.0%	2	2	0	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	22	22	0	0.0%
1.2%	22	22	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	17	0	-2.8%
4.9%	17	17	0	0.0%
6.2%	15	14	-1	-6.0%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	0.0%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	11	0	2.8%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	8	0	-4.4%
19.8%	9	8	0	-4.9%
21.0%	8	8	0	-1.6%
22.2%	8	8	0	0.0%
23.5%	8	8	0	-1.9%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-10.1%
27.2%	7	6	0	-5.2%
28.4%	7	6	0	-6.9%
29.6%	6	6	-1	-10.8%
30.9%	6	5	-1	-13.7%
32.1%	6	5	-1	-13.5%
33.3%	6	5	-1	-10.5%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-4.5%
37.0%	5	5	0	0.1%
38.3%	5	5	0	0.0%
39.5%	5	5	0	-4.6%
40.7%	5	5	0	-2.8%
42.0%	5	4	0	-4.8%
43.2%	4	4	0	0.0%
44.4%	4	4	0	-0.1%
45.7%	4	4	0	-0.1%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	-0.3%
50.6%	4	4	0	-0.1%
51.9%	4	4	0	-2.8%
53.1%	4	4	0	-1.1%
54.3%	4	4	0	-0.6%
55.6%	4	4	0	0.0%
56.8%	4	4	0	0.6%
58.0%	3	4	0	4.9%
59.3%	3	3	0	1.0%
60.5%	3	3	0	1.0%
61.7%	3	3	0	1.7%
63.0%	3	3	0	-0.1%
64.2%	3	3	0	0.0%
65.4%	3	3	0	0.0%
66.7%	3	3	0	-0.1%
67.9%	3	3	0	0.0%
69.1%	3	3	0	-0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	-0.1%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.1%
76.5%	3	3	0	-0.1%
77.8%	3	3	0	-0.1%
79.0%	3	3	0	0.0%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.0%
85.2%	2	2	0	-0.2%
86.4%	2	2	0	0.0%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-2.2%
90.1%	2	2	0	-2.6%
91.4%	2	2	0	-0.2%
92.6%	2	2	0	0.0%
93.8%	2	2	0	0.2%
95.1%	2	2	0	-1.0%
96.3%	2	2	0	-3.5%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.5%
100.0%	2	2	0	-5.3%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.3%
6.2%	10	10	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.0%
18.5%	6	6	0	0.0%
19.8%	6	6	0	-1.4%
21.0%	6	5	0	-5.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	4	0	-1.2%
28.4%	4	4	0	0.5%
29.6%	4	4	0	-1.8%
30.9%	4	4	0	-5.5%
32.1%	4	4	0	-7.2%
33.3%	4	4	0	-6.2%
34.6%	4	4	0	-6.5%
35.8%	4	4	0	-7.0%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-7.2%
39.5%	4	3	0	-7.9%
40.7%	4	3	0	-7.9%
42.0%	4	3	0	-8.0%
43.2%	4	3	0	-7.5%
44.4%	4	3	-1	-13.7%
45.7%	4	3	0	-13.0%
46.9%	4	3	0	-13.2%
48.1%	4	3	0	-12.5%
49.4%	4	3	0	-13.8%
50.6%	4	3	-1	-15.0%
51.9%	4	3	-1	-15.4%
53.1%	4	3	-1	-15.5%
54.3%	4	3	-1	-17.3%
55.6%	4	3	-1	-17.0%
56.8%	3	3	0	-14.5%
58.0%	3	3	-1	-14.8%
59.3%	3	3	-1	-15.7%
60.5%	3	3	0	-14.1%
61.7%	3	3	0	-13.5%
63.0%	3	3	0	-13.8%
64.2%	3	3	0	-12.4%
65.4%	3	3	0	-11.4%
66.7%	3	3	0	-11.4%
67.9%	3	3	0	-11.0%
69.1%	3	3	0	-11.5%
70.4%	3	3	0	-10.5%
71.6%	3	3	0	-10.8%
72.8%	3	3	0	-9.9%
74.1%	3	3	0	-10.7%
75.3%	3	3	0	-10.5%
76.5%	3	3	0	-10.9%
77.8%	3	3	0	-10.8%
79.0%	3	3	0	-10.1%
80.2%	3	3	0	-9.8%
81.5%	3	3	0	-9.0%
82.7%	3	3	0	-8.6%
84.0%	3	3	0	-7.7%
85.2%	3	3	0	-7.2%
86.4%	3	3	0	-8.4%
87.7%	3	3	0	-8.1%
88.9%	3	2	0	-10.4%
90.1%	3	2	0	-11.4%
91.4%	3	2	0	-12.2%
92.6%	3	2	0	-10.3%
93.8%	3	2	0	-10.9%
95.1%	3	2	0	-13.4%
96.3%	2	2	0	-7.5%
97.5%	2	2	0	-5.0%
98.8%	2	2	0	-6.9%
100.0%	2	2	0	-0.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	8	8	0	0.0%
2.5%	8	8	0	0.0%
3.7%	8	8	0	0.0%
4.9%	8	8	0	0.0%
6.2%	8	8	0	0.0%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	1.7%
9.9%	6	6	0	-0.6%
11.1%	6	6	0	-3.0%
12.3%	6	6	0	0.0%
13.6%	5	6	0	1.9%
14.8%	5	5	0	2.6%
16.0%	5	5	0	0.1%
17.3%	5	5	0	1.2%
18.5%	5	5	0	1.9%
19.8%	5	5	0	4.4%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	0.0%
25.9%	5	5	0	-0.2%
27.2%	5	4	0	-2.2%
28.4%	5	4	0	-6.3%
29.6%	4	4	0	-7.3%
30.9%	4	4	0	-7.5%
32.1%	4	4	-1	-11.5%
33.3%	4	4	-1	-11.8%
34.6%	4	4	0	-10.9%
35.8%	4	4	0	-10.2%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-7.2%
39.5%	4	4	0	-7.5%
40.7%	4	4	0	-7.4%
42.0%	4	4	0	-6.8%
43.2%	4	4	0	-5.3%
44.4%	4	4	0	-6.7%
45.7%	4	4	0	-7.5%
46.9%	4	4	0	-7.9%
48.1%	4	3	0	-8.7%
49.4%	4	3	0	-8.5%
50.6%	4	3	0	-9.8%
51.9%	4	3	0	-10.4%
53.1%	4	3	0	-9.9%
54.3%	4	3	0	-8.4%
55.6%	4	3	0	-8.3%
56.8%	4	3	0	-6.8%
58.0%	4	3	0	-7.0%
59.3%	3	3	0	-4.9%
60.5%	3	3	0	-4.8%
61.7%	3	3	0	-4.9%
63.0%	3	3	0	-4.1%
64.2%	3	3	0	-4.2%
65.4%	3	3	0	-5.1%
66.7%	3	3	0	-5.3%
67.9%	3	3	0	-5.9%
69.1%	3	3	0	-5.9%
70.4%	3	3	0	-5.8%
71.6%	3	3	0	-4.8%
72.8%	3	3	0	-5.0%
74.1%	3	3	0	-4.7%
75.3%	3	3	0	-3.9%
76.5%	3	3	0	-3.9%
77.8%	3	3	0	-4.4%
79.0%	3	3	0	-5.1%
80.2%	3	3	0	-4.9%
81.5%	3	3	0	-5.9%
82.7%	3	3	0	-6.2%
84.0%	3	3	0	-7.3%
85.2%	3	3	0	-7.1%
86.4%	3	3	0	-8.5%
87.7%	3	3	0	-6.8%
88.9%	3	3	0	-8.0%
90.1%	3	3	0	-12.4%
91.4%	3	3	0	-12.3%
92.6%	3	3	0	-10.4%
93.8%	3	2	0	-11.9%
95.1%	3	2	0	-12.1%
96.3%	3	2	0	-16.2%
97.5%	3	2	0	-13.7%
98.8%	3	2	0	-14.5%
100.0%	2	2	0	-13.4%

Table SW-53-5b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	8	8	0	0.0%
2.5%	7	6	0	-3.9%
3.7%	7	6	-1	-9.5%
4.9%	7	6	-1	-8.1%
6.2%	6	6	-1	-11.5%
7.4%	6	6	0	-6.9%
8.6%	6	6	0	-7.2%
9.9%	6	6	0	-4.5%
11.1%	6	6	0	-4.6%
12.3%	6	6	0	-4.7%
13.6%	6	6	0	-3.3%
14.8%	6	5	0	-4.2%
16.0%	6	5	0	-2.8%
17.3%	6	5	0	-4.2%
18.5%	6	5	0	-3.5%
19.8%	6	5	0	-4.4%
21.0%	5	5	0	-5.2%
22.2%	5	5	0	-5.4%
23.5%	5	5	0	-4.6%
24.7%	5	5	0	-5.4%
25.9%	5	5	0	-5.4%
27.2%	5	5	0	-6.1%
28.4%	5	5	0	-6.1%
29.6%	5	5	0	-5.5%
30.9%	5	5	0	-4.4%
32.1%	5	5	0	-4.5%
33.3%	5	5	0	-4.5%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-2.7%
37.0%	5	5	0	-3.6%
38.3%	5	5	0	-3.6%
39.5%	5	5	0	-4.4%
40.7%	5	5	0	-3.5%
42.0%	5	5	0	-4.4%
43.2%	5	5	0	-4.4%
44.4%	5	5	0	-4.3%
45.7%	5	5	0	-3.8%
46.9%	5	5	0	-3.9%
48.1%	5	5	0	-3.5%
49.4%	5	5	0	-4.6%
50.6%	5	5	0	-3.9%
51.9%	5	5	0	-4.6%
53.1%	5	5	0	-4.6%
54.3%	5	5	0	-4.7%
55.6%	5	5	0	-4.6%
56.8%	5	5	0	-4.6%
58.0%	5	5	0	-4.7%
59.3%	5	5	0	-3.8%
60.5%	5	5	0	-3.8%
61.7%	5	5	0	-3.8%
63.0%	5	5	0	-4.9%
64.2%	5	5	0	-4.9%
65.4%	5	5	0	-4.9%
66.7%	5	5	0	-4.9%
67.9%	5	5	0	-4.8%
69.1%	5	5	0	-3.0%
70.4%	5	5	0	-3.7%
71.6%	5	5	0	-3.7%
72.8%	5	5	0	-3.0%
74.1%	5	5	0	-1.9%
75.3%	5	5	0	-1.8%
76.5%	5	4	0	-2.9%
77.8%	5	4	0	-2.1%
79.0%	5	4	0	-2.1%
80.2%	5	4	0	-1.9%
81.5%	4	4	0	-0.9%
82.7%	4	4	0	-0.9%
84.0%	4	4	0	0.0%
85.2%	4	4	0	0.1%
86.4%	4	4	0	-1.0%
87.7%	4	4	0	-3.9%
88.9%	4	4	0	-4.1%
90.1%	4	4	0	-5.3%
91.4%	4	4	0	-3.9%
92.6%	4	4	0	-3.9%
93.8%	4	4	0	-4.0%
95.1%	4	4	0	-5.5%
96.3%	4	4	0	-8.7%
97.5%	4	4	0	0.5%
98.8%	3	3	0	2.9%
100.0%	3	3	0	2.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	-2.3%
3.7%	7	7	0	-0.8%
4.9%	7	7	0	0.1%
6.2%	7	7	0	0.5%
7.4%	7	7	0	0.5%
8.6%	7	7	0	0.6%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-1.2%
14.8%	7	7	0	-0.7%
16.0%	7	7	0	-0.1%
17.3%	7	7	0	0.0%
18.5%	7	7	0	-0.5%
19.8%	7	7	0	-0.5%
21.0%	7	7	0	-0.1%
22.2%	7	6	0	-0.7%
23.5%	7	6	0	-0.7%
24.7%	7	6	0	-1.3%
25.9%	6	6	0	-0.8%
27.2%	6	6	0	-1.3%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	-3.9%
30.9%	6	6	0	-3.4%
32.1%	6	6	0	-2.8%
33.3%	6	6	0	-2.9%
34.6%	6	6	0	-3.4%
35.8%	6	6	0	-2.1%
37.0%	6	6	0	-1.9%
38.3%	6	6	0	-1.2%
39.5%	6	6	0	-1.2%
40.7%	6	6	0	-2.0%
42.0%	6	6	0	-1.3%
43.2%	6	6	0	-0.9%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.0%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.7%
49.4%	6	6	0	0.1%
50.6%	6	6	0	0.6%
51.9%	6	6	0	0.6%
53.1%	6	6	0	0.7%
54.3%	6	6	0	1.2%
55.6%	6	6	0	-0.7%
56.8%	6	6	0	-2.4%
58.0%	6	6	0	-3.0%
59.3%	6	6	0	-2.6%
60.5%	6	6	0	-3.3%
61.7%	6	6	0	-3.2%
63.0%	6	6	0	-1.6%
64.2%	6	6	0	-1.0%
65.4%	6	6	0	-0.9%
66.7%	6	5	0	-0.9%
67.9%	5	5	0	0.8%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	-1.5%
71.6%	5	5	0	-1.6%
72.8%	5	5	0	-3.5%
74.1%	5	5	0	-3.6%
75.3%	5	5	0	-3.6%
76.5%	5	5	0	-3.6%
77.8%	5	5	0	-4.4%
79.0%	5	5	0	-2.7%
80.2%	5	5	0	-3.5%
81.5%	5	5	0	-2.9%
82.7%	5	5	0	-1.0%
84.0%	5	5	0	1.7%
85.2%	5	5	0	2.7%
86.4%	5	5	0	2.7%
87.7%	5	5	0	2.2%
88.9%	5	5	0	2.8%
90.1%	5	5	0	6.1%
91.4%	5	5	0	6.9%
92.6%	5	5	0	6.8%
93.8%	5	5	0	4.9%
95.1%	5	5	0	4.2%
96.3%	5	5	0	0.1%
97.5%	4	4	0	-4.9%
98.8%	4	4	0	-1.3%
100.0%	4	4	0	3.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	0.0%
2.5%	6	6	0	-1.3%
3.7%	6	6	0	-1.3%
4.9%	6	6	0	-6.5%
6.2%	6	6	0	-7.3%
7.4%	6	5	0	-7.6%
8.6%	6	5	0	-5.5%
9.9%	6	5	0	-2.6%
11.1%	6	5	0	-2.7%
12.3%	5	5	0	-2.5%
13.6%	5	5	0	-1.7%
14.8%	5	5	0	-1.9%
16.0%	5	5	0	-1.9%
17.3%	5	5	0	-1.7%
18.5%	5	5	0	-1.0%
19.8%	5	5	0	-0.1%
21.0%	5	5	0	0.6%
22.2%	5	5	0	0.0%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.1%
28.4%	5	5	0	-0.7%
29.6%	5	5	0	-2.1%
30.9%	5	5	0	-2.9%
32.1%	5	5	0	-2.8%
33.3%	5	5	0	-1.7%
34.6%	5	5	0	-1.7%
35.8%	5	5	0	-2.2%
37.0%	5	5	0	-3.1%
38.3%	5	5	0	-3.7%
39.5%	5	5	0	-3.7%
40.7%	5	5	0	-3.8%
42.0%	5	5	0	-4.7%
43.2%	5	5	0	-4.1%
44.4%	5	5	0	-4.1%
45.7%	5	5	0	-4.1%
46.9%	5	5	0	-4.0%
48.1%	5	4	0	-4.6%
49.4%	5	4	0	-4.0%
50.6%	5	4	0	-4.9%
51.9%	5	4	0	-5.7%
53.1%	5	4	0	-5.1%
54.3%	5	4	0	-4.1%
55.6%	5	4	0	-4.1%
56.8%	4	4	0	-3.6%
58.0%	4	4	0	-4.1%
59.3%	4	4	0	-4.2%
60.5%	4	4	0	-3.4%
61.7%	4	4	0	-3.6%
63.0%	4	4	0	-3.3%
64.2%	4	4	0	-3.2%
65.4%	4	4	0	-2.4%
66.7%	4	4	0	-1.9%
67.9%	4	4	0	-1.0%
69.1%	4	4	0	-0.9%
70.4%	4	4	0	-0.6%
71.6%	4	4	0	-0.5%
72.8%	4	4	0	-0.9%
74.1%	4	4	0	0.1%
75.3%	4	4	0	0.5%
76.5%	4	4	0	0.9%
77.8%	4	4	0	2.0%
79.0%	4	4	0	2.0%
80.2%	4	4	0	1.9%
81.5%	4	4	0	4.4%
82.7%	4	4	0	4.2%
84.0%	4	4	0	4.7%
85.2%	4	4	0	5.0%
86.4%	4	4	0	3.8%
87.7%	4	4	0	3.7%
88.9%	4	4	0	3.4%
90.1%	4	4	0	2.1%
91.4%	4	4	0	2.4%
92.6%	4	4	0	2.4%
93.8%	4	4	0	1.9%
95.1%	4	4	0	0.3%
96.3%	4	4	0	0.0%
97.5%	3	3	0	0.1%
98.8%	3	3	0	5.5%
100.0%	3	3	0	8.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.7%
1.2%	7	6	0	-3.9%
2.5%	7	6	0	-3.4%
3.7%	7	6	0	-5.2%
4.9%	7	6	0	-6.4%
6.2%	6	6	0	-4.7%
7.4%	6	6	0	0.7%
8.6%	6	6	0	0.5%
9.9%	6	6	0	2.3%
11.1%	6	6	0	3.0%
12.3%	6	6	0	1.4%
13.6%	6	6	0	0.0%
14.8%	6	6	0	0.1%
16.0%	6	5	0	-5.7%
17.3%	6	5	0	-2.7%
18.5%	6	5	0	-6.2%
19.8%	5	5	0	-7.1%
21.0%	5	5	0	-7.8%
22.2%	5	5	0	-5.2%
23.5%	5	5	0	-6.1%
24.7%	5	5	0	-4.4%
25.9%	5	5	0	-1.9%
27.2%	5	5	0	0.8%
28.4%	5	5	0	-0.9%
29.6%	5	4	0	-4.7%
30.9%	4	4	0	-1.9%
32.1%	4	4	0	-6.4%
33.3%	4	4	0	-6.2%
34.6%	4	4	0	-4.1%
35.8%	4	4	0	-6.0%
37.0%	4	4	0	-11.0%
38.3%	4	3	0	-9.8%
39.5%	4	3	-1	-15.2%
40.7%	3	3	0	-11.5%
42.0%	3	3	0	-2.1%
43.2%	3	3	0	3.0%
44.4%	3	3	0	2.8%
45.7%	3	3	0	1.8%
46.9%	3	3	0	0.1%
48.1%	3	3	0	-0.9%
49.4%	3	3	0	-2.2%
50.6%	3	3	0	-2.1%
51.9%	3	3	0	-3.9%
53.1%	3	3	0	-1.9%
54.3%	3	3	0	2.7%
55.6%	3	3	0	1.7%
56.8%	3	3	0	1.3%
58.0%	3	3	0	2.0%
59.3%	3	3	0	3.6%
60.5%	3	3	0	3.7%
61.7%	2	3	0	3.7%
63.0%	2	3	0	3.8%
64.2%	2	3	0	3.7%
65.4%	2	3	0	5.2%
66.7%	2	3	0	5.0%
67.9%	2	2	0	0.2%
69.1%	2	2	0	0.5%
70.4%	2	2	0	-0.6%
71.6%	2	2	0	1.9%
72.8%	2	2	0	1.7%
74.1%	2	2	0	1.2%
75.3%	2	2	0	1.5%
76.5%	2	2	0	1.1%
77.8%	2	2	0	1.5%
79.0%	2	2	0	2.8%
80.2%	2	2	0	4.7%
81.5%	2	2	0	4.4%
82.7%	2	2	0	5.6%
84.0%	2	2	0	4.8%
85.2%	2	2	0	6.6%
86.4%	2	2	0	6.9%
87.7%	2	2	0	7.1%
88.9%	2	2	0	9.3%
90.1%	2	2	0	11.5%
91.4%	2	2	0	11.9%
92.6%	2	2	0	16.8%
93.8%	2	2	0	17.1%
95.1%	2	2	0	17.3%
96.3%	2	2	0	8.8%
97.5%	2	2	0	5.5%
98.8%	2	2	0	3.7%
100.0%	2	2	0	8.4%

Table SW-54-5a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative B	29	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.1%	-0.1%	-0.7%	-0.8%	-1.9%	-1.1%	-0.7%	-0.1%	0.4%	-0.2%	0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative B	30	31	31	34	35	34	31	31	30	31	30	31
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.4%	-0.1%	-0.2%	-0.8%	-0.8%	-1.6%	-1.1%	-0.6%	0.3%	0.5%	-0.5%	-0.1%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative B	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.1%	0.2%	-0.2%	-1.5%	-1.2%	-2.6%	-1.3%	-0.9%	-0.3%	0.8%	-0.2%	-0.4%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative B	29	30	31	30	31	30	29	29	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.5%	0.5%	0.1%	-1.0%	-0.7%	-2.6%	-1.1%	-0.9%	-0.4%	0.6%	-0.3%	0.3%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative B	29	30	31	30	30	30	29	29	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.6%	0.3%	0.1%	-0.2%	-0.6%	-2.0%	-1.2%	-0.6%	-0.4%	0.3%	-0.2%	0.1%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative B	29	29	29	30	30	29	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.6%	-0.2%	-0.5%	-1.0%	-0.9%	-0.9%	0.0%	-0.2%	0.4%	0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

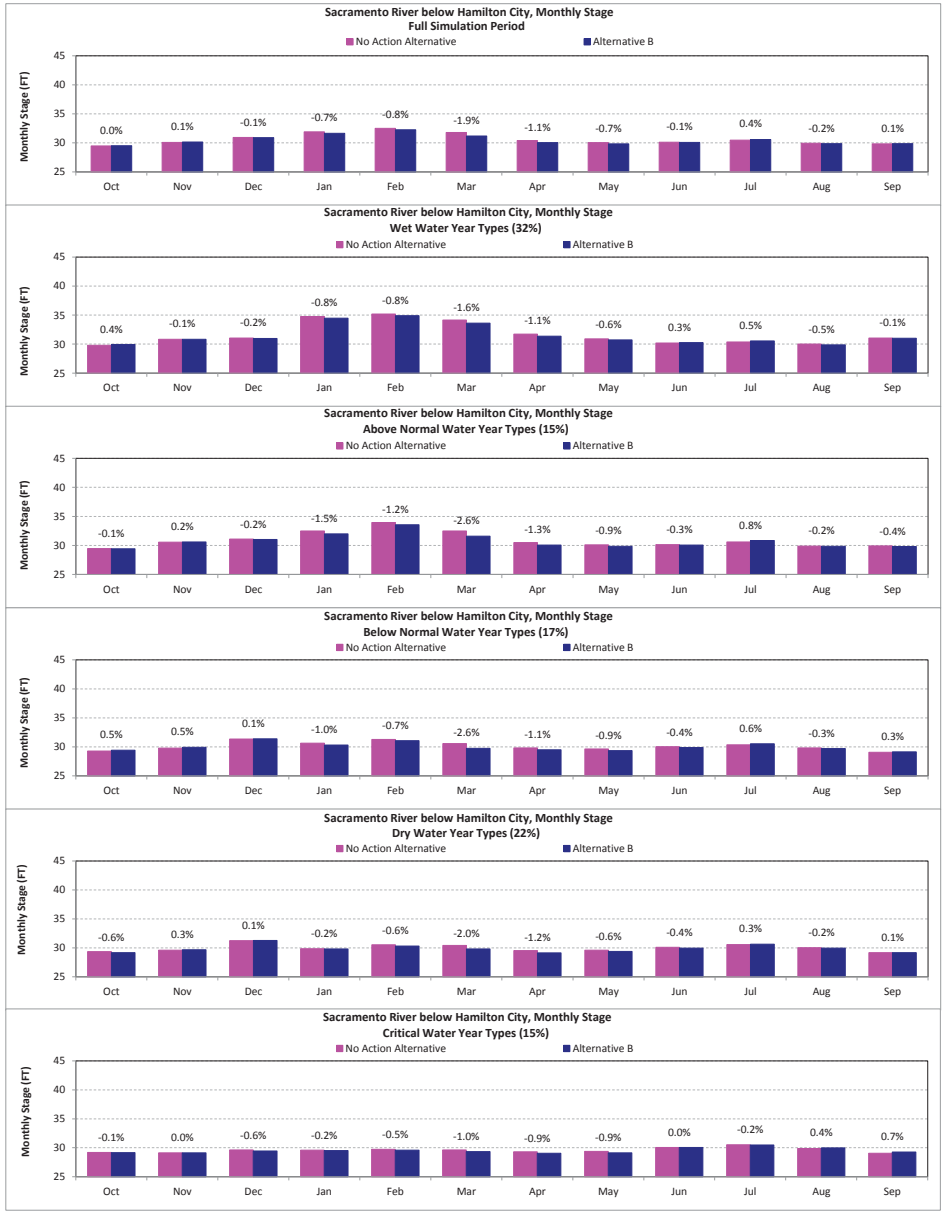

Figure SW-54-5b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

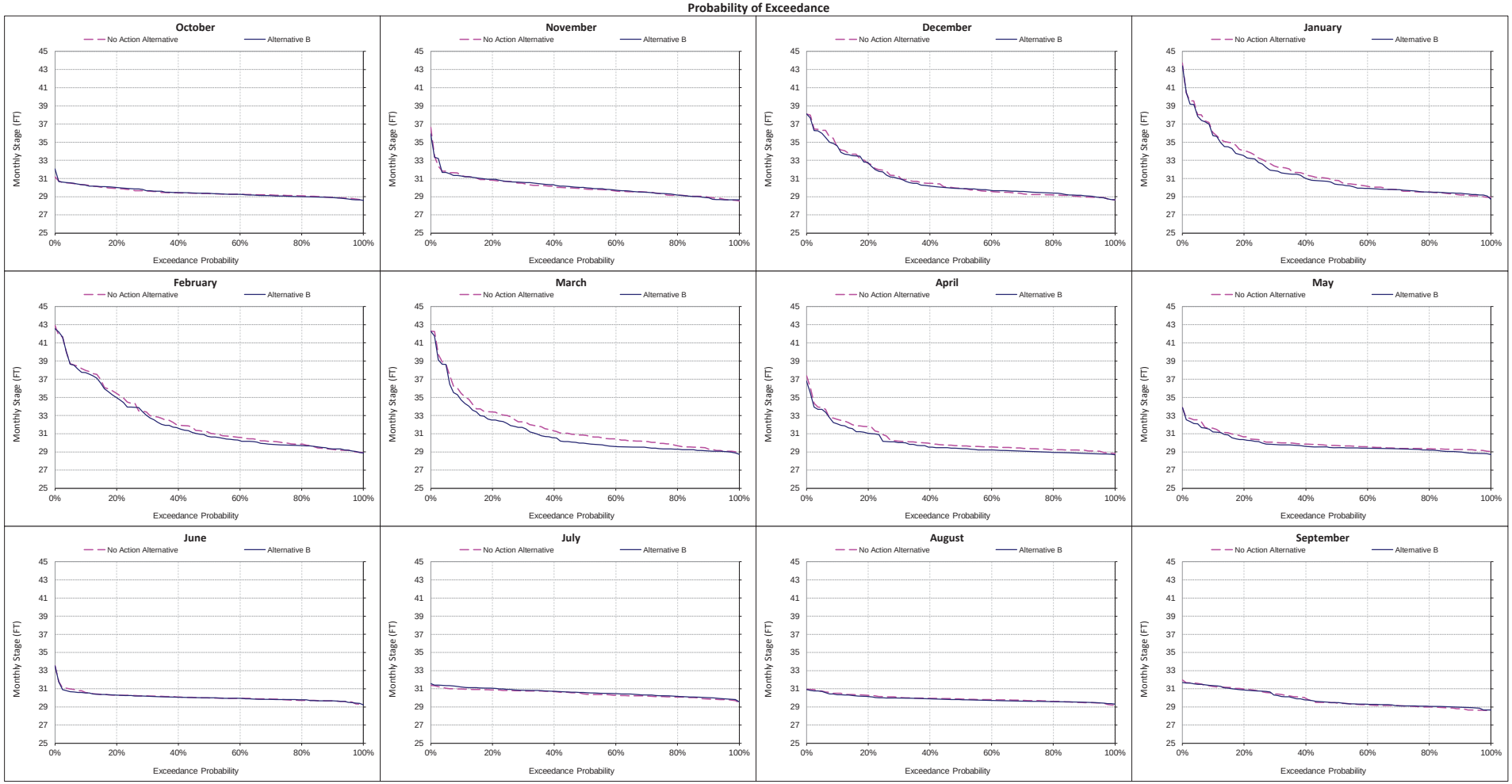

Table SW-54-5b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	2.9%
1.2%	31	31	0	-0.1%
2.5%	31	31	0	0.1%
3.7%	31	31	0	0.1%
4.9%	31	31	0	0.1%
6.2%	30	30	0	0.1%
7.4%	30	30	0	0.2%
8.6%	30	30	0	0.0%
9.9%	30	30	0	-0.1%
11.1%	30	30	0	-0.2%
12.3%	30	30	0	0.0%
13.6%	30	30	0	0.0%
14.8%	30	30	0	0.2%
16.0%	30	30	0	0.2%
17.3%	30	30	0	0.4%
18.5%	30	30	0	0.5%
19.8%	30	30	0	0.3%
21.0%	30	30	0	0.3%
22.2%	30	30	0	0.2%
23.5%	30	30	0	0.4%
24.7%	30	30	0	0.3%
25.9%	30	30	0	0.7%
27.2%	30	30	0	0.6%
28.4%	30	30	0	0.5%
29.6%	30	30	0	0.1%
30.9%	30	30	0	0.2%
32.1%	30	30	0	0.1%
33.3%	30	30	0	0.1%
34.6%	29	30	0	0.4%
35.8%	29	29	0	0.1%
37.0%	29	29	0	0.1%
38.3%	29	29	0	0.2%
39.5%	29	29	0	0.2%
40.7%	29	29	0	0.1%
42.0%	29	29	0	0.1%
43.2%	29	29	0	0.1%
44.4%	29	29	0	0.1%
45.7%	29	29	0	0.1%
46.9%	29	29	0	0.1%
48.1%	29	29	0	0.1%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.1%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	29	29	0	0.0%
55.6%	29	29	0	-0.1%
56.8%	29	29	0	0.0%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.0%
61.7%	29	29	0	-0.1%
63.0%	29	29	0	-0.1%
64.2%	29	29	0	-0.2%
65.4%	29	29	0	-0.2%
66.7%	29	29	0	-0.3%
67.9%	29	29	0	-0.3%
69.1%	29	29	0	-0.3%
70.4%	29	29	0	-0.3%
71.6%	29	29	0	-0.3%
72.8%	29	29	0	-0.3%
74.1%	29	29	0	-0.3%
75.3%	29	29	0	-0.3%
76.5%	29	29	0	-0.4%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.3%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.2%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	0.0%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.0%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.2%
95.1%	29	29	0	-0.3%
96.3%	29	29	0	-0.4%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.3%

November

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	-1	-2.0%
1.2%	33	33	0	-0.3%
2.5%	32	33	1	2.5%
3.7%	32	32	0	-0.4%
4.9%	32	32	0	-0.4%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-0.9%
8.6%	32	31	0	-0.9%
9.9%	31	31	0	-0.2%
11.1%	31	31	0	0.0%
12.3%	31	31	0	0.0%
13.6%	31	31	0	0.0%
14.8%	31	31	0	0.0%
16.0%	31	31	0	0.3%
17.3%	31	31	0	0.3%
18.5%	31	31	0	0.3%
19.8%	31	31	0	0.3%
21.0%	31	31	0	0.4%
22.2%	31	31	0	0.4%
23.5%	31	31	0	0.1%
24.7%	31	31	0	0.0%
25.9%	31	31	0	0.0%
27.2%	31	31	0	0.2%
28.4%	31	31	0	0.3%
29.6%	31	31	0	0.2%
30.9%	30	31	0	0.6%
32.1%	30	31	0	0.8%
33.3%	30	30	0	0.8%
34.6%	30	30	0	0.7%
35.8%	30	30	0	0.6%
37.0%	30	30	0	0.4%
38.3%	30	30	0	0.6%
39.5%	30	30	0	0.6%
40.7%	30	30	0	0.7%
42.0%	30	30	0	0.5%
43.2%	30	30	0	0.5%
44.4%	30	30	0	0.6%
45.7%	30	30	0	0.4%
46.9%	30	30	0	0.4%
48.1%	30	30	0	0.4%
49.4%	30	30	0	0.5%
50.6%	30	30	0	0.4%
51.9%	30	30	0	0.5%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.1%
58.0%	30	30	0	0.2%
59.3%	30	30	0	0.4%
60.5%	30	30	0	0.3%
61.7%	30	30	0	0.3%
63.0%	30	30	0	0.3%
64.2%	30	30	0	0.3%
65.4%	30	30	0	0.1%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	29	0	-0.1%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.0%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.1%
76.5%	29	29	0	0.5%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.3%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.0%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.1%
86.4%	29	29	0	-0.1%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.5%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.8%
2.5%	36	36	0	-0.4%
3.7%	36	36	0	-0.5%
4.9%	36	36	0	-0.9%
6.2%	36	36	-1	-2.2%
7.4%	36	35	-1	-1.7%
8.6%	35	35	-1	-1.7%
9.9%	35	35	0	0.3%
11.1%	34	34	0	-0.8%
12.3%	34	34	0	-1.1%
13.6%	34	34	0	-0.5%
14.8%	34	34	0	-0.5%
16.0%	34	33	0	-0.6%
17.3%	33	33	0	0.8%
18.5%	33	33	0	-0.7%
19.8%	33	33	0	0.3%
21.0%	33	32	0	-0.6%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-0.6%
25.9%	32	31	0	-1.4%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.6%
29.6%	31	31	0	-1.0%
30.9%	31	31	0	0.1%
32.1%	31	31	0	-0.6%
33.3%	31	31	0	-0.7%
34.6%	31	30	0	-0.7%
35.8%	31	30	0	-0.8%
37.0%	31	30	0	-1.0%
38.3%	31	30	0	-0.9%
39.5%	30	30	0	-1.0%
40.7%	30	30	0	-1.1%
42.0%	30	30	0	-1.0%
43.2%	30	30	0	-1.2%
44.4%	30	30	0	-0.3%
45.7%	30	30	0	-0.2%
46.9%	30	30	0	-0.2%
48.1%	30	30	0	-0.3%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.3%
56.8%	30	30	0	0.4%
58.0%	30	30	0	0.5%
59.3%	30	30	0	0.4%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.5%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.4%
66.7%	29	30	0	0.6%
67.9%	29	30	0	0.7%
69.1%	29	30	0	0.8%
70.4%	29	30	0	0.9%
71.6%	29	30	0	0.9%
72.8%	29	29	0	0.9%
74.1%	29	29	0	0.9%
75.3%	29	29	0	0.8%
76.5%	29	29	0	0.8%
77.8%	29	29	0	0.6%
79.0%	29	29	0	0.7%
80.2%	29	29	0	0.7%
81.5%	29	29	0	0.7%
82.7%	29	29	0	0.6%
84.0%	29	29	0	0.3%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.4%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.1%

January

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	43	0	-0.7%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	-0.5%
6.2%	38	37	-1	-1.6%
7.4%	37	37	0	-0.4%
8.6%	37	37	0	-0.5%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	0	-1.0%
13.6%	35	35	-1	-1.6%
14.8%	35	34	0	-1.4%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-2.7%
18.5%	34	34	-1	-1.7%
19.8%	34	34	-1	-1.5%
21.0%	34	33	-1	-2.2%
22.2%	34	33	-1	-1.8%
23.5%	34	33	0	-1.3%
24.7%	33	33	0	-1.5%
25.9%	33	33	0	-1.5%
27.2%	33	32	-1	-1.9%
28.4%	33	32	-1	-2.2%
29.6%	32	32	-1	-1.7%
30.9%	32	32	0	-1.4%
32.1%	32	32	-1	-1.9%
33.3%	32	32	-1	-2.0%
34.6%	32	32	-1	-1.7%
35.8%	32	31	0	-0.6%
37.0%	32	31	0	-0.6%
38.3%	32	31	0	-0.9%
39.5%	32	31	0	-1.4%
40.7%	31	31	0	-1.4%
42.0%	31	31	0	-1.5%
43.2%	31	31	0	-1.2%
44.4%	31	31	0	-1.2%
45.7%	31	31	0	-1.2%
46.9%	31	31	0	-1.1%
48.1%	31	31	0	-1.0%
49.4%	31	30	0	-1.3%
50.6%	31	30	0	-1.4%
51.9%	31	30	0	-0.7%
53.1%	30	30	0	-0.7%
54.3%	30	30	0	-0.7%
55.6%	30	30	0	-1.0%
56.8%	30	30	0	-1.3%
58.0%	30	30	0	-1.0%
59.3%	30	30	0	-0.9%
60.5%	30	30	0	-0.7%
61.7%	30	30	0	-0.6%
63.0%	30	30	0	-0.7%
64.2%	30	30	0	-0.8%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	30	0	0.0%
70.4%	30	30	0	0.2%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.3%
74.1%	30	30	0	0.2%
75.3%	30	30	0	0.4%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.0%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.6%
90.1%	29	29	0	0.7%
91.4%	29	29	0	0.6%
92.6%	29	29	0	0.5%
93.8%	29	29	0	0.4%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-5b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	-0.8%
1.2%	42	42	0	1.0%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.1%
6.2%	39	39	0	-0.1%
7.4%	38	38	0	-0.8%
8.6%	38	38	0	-1.1%
9.9%	38	38	0	-0.7%
11.1%	38	38	0	-0.7%
12.3%	38	37	0	-0.6%
13.6%	38	37	0	-1.1%
14.8%	37	37	0	-1.1%
16.0%	36	36	0	-0.4%
17.3%	36	36	0	-0.8%
18.5%	36	35	0	-1.3%
19.8%	35	35	0	-1.3%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	-1	-1.6%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.3%
27.2%	34	34	0	1.1%
28.4%	33	33	0	-0.2%
29.6%	33	33	0	-1.1%
30.9%	33	33	0	-0.8%
32.1%	33	33	0	-1.1%
33.3%	33	32	-1	-1.7%
34.6%	33	32	-1	-2.0%
35.8%	32	32	-1	-1.7%
37.0%	32	32	-1	-1.7%
38.3%	32	32	-1	-1.6%
39.5%	32	32	0	-1.0%
40.7%	32	32	0	-1.3%
42.0%	32	31	0	-1.5%
43.2%	32	31	-1	-1.7%
44.4%	32	31	-1	-1.9%
45.7%	31	31	0	-1.1%
46.9%	31	31	0	-1.1%
48.1%	31	31	0	-1.1%
49.4%	31	31	-1	-1.6%
50.6%	31	31	0	-1.2%
51.9%	31	31	0	-1.1%
53.1%	31	31	0	-1.2%
54.3%	31	31	0	-0.9%
55.6%	31	30	0	-1.1%
56.8%	31	30	0	-1.1%
58.0%	31	30	0	-1.1%
59.3%	31	30	0	-1.0%
60.5%	31	30	0	-1.4%
61.7%	30	30	0	-1.0%
63.0%	30	30	0	-1.0%
64.2%	30	30	0	-1.0%
65.4%	30	30	0	-0.9%
66.7%	30	30	0	-0.9%
67.9%	30	30	0	-1.0%
69.1%	30	30	0	-1.0%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.2%
72.8%	30	30	0	-1.0%
74.1%	30	30	0	-0.8%
75.3%	30	30	0	-0.8%
76.5%	30	30	0	-0.5%
77.8%	30	30	0	-0.5%
79.0%	30	30	0	-0.6%
80.2%	30	30	0	-0.6%
81.5%	30	30	0	-0.3%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.1%
85.2%	29	30	0	0.4%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.5%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	-0.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	42	42	0	-1.2%
2.5%	40	39	-1	-1.5%
3.7%	39	39	0	-0.7%
4.9%	39	39	0	-0.1%
6.2%	37	36	-1	-2.5%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-2.0%
9.9%	35	35	-1	-2.0%
11.1%	35	34	-1	-2.1%
12.3%	35	34	-1	-2.2%
13.6%	34	34	-1	-1.8%
14.8%	34	33	0	-1.0%
16.0%	34	33	-1	-2.3%
17.3%	33	33	-1	-1.5%
18.5%	33	33	-1	-2.5%
19.8%	33	33	-1	-2.7%
21.0%	33	33	-1	-2.6%
22.2%	33	32	-1	-2.2%
23.5%	33	32	-1	-2.2%
24.7%	33	32	-1	-2.6%
25.9%	33	32	-1	-2.9%
27.2%	33	32	-1	-2.3%
28.4%	32	32	-1	-1.8%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-2.3%
32.1%	32	31	-1	-2.5%
33.3%	32	31	-1	-2.6%
34.6%	32	31	-1	-2.7%
35.8%	32	31	-1	-3.1%
37.0%	32	31	-1	-2.7%
38.3%	31	31	-1	-2.5%
39.5%	31	31	-1	-2.6%
40.7%	31	31	-1	-2.3%
42.0%	31	30	-1	-2.9%
43.2%	31	30	-1	-3.0%
44.4%	31	30	-1	-3.0%
45.7%	31	30	-1	-2.8%
46.9%	31	30	-1	-2.8%
48.1%	31	30	-1	-2.9%
49.4%	31	30	-1	-2.9%
50.6%	31	30	-1	-2.9%
51.9%	31	30	-1	-2.6%
53.1%	31	30	-1	-2.6%
54.3%	31	30	-1	-2.6%
55.6%	31	30	-1	-2.5%
56.8%	30	30	-1	-2.6%
58.0%	30	30	-1	-2.7%
59.3%	30	30	-1	-2.8%
60.5%	30	30	-1	-2.7%
61.7%	30	30	-1	-2.5%
63.0%	30	30	-1	-2.5%
64.2%	30	30	-1	-2.2%
65.4%	30	30	-1	-2.2%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.2%
70.4%	30	29	-1	-2.3%
71.6%	30	29	-1	-2.1%
72.8%	30	29	-1	-2.1%
74.1%	30	29	-1	-1.9%
75.3%	30	29	-1	-2.0%
76.5%	30	29	-1	-1.8%
77.8%	30	29	-1	-1.8%
79.0%	30	29	0	-1.5%
80.2%	30	29	0	-1.3%
81.5%	30	29	0	-1.1%
82.7%	30	29	0	-1.1%
84.0%	30	29	0	-1.0%
85.2%	30	29	0	-1.0%
86.4%	30	29	0	-1.2%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.1%
90.1%	29	29	0	-0.6%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.3%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.4%
98.8%	29	29	0	-0.5%
100.0%	29	29	0	-0.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	-1	-1.5%
1.2%	36	35	-1	-1.6%
2.5%	34	34	0	-1.2%
3.7%	34	34	0	-0.8%
4.9%	34	34	0	-0.7%
6.2%	34	33	0	-0.9%
7.4%	33	33	0	0.0%
8.6%	33	32	-1	-1.5%
9.9%	33	32	-1	-1.6%
11.1%	32	32	-1	-1.7%
12.3%	32	32	-1	-1.6%
13.6%	32	32	-1	-1.8%
14.8%	32	32	0	-1.4%
16.0%	32	31	-1	-2.1%
17.3%	32	31	-1	-2.0%
18.5%	32	31	-1	-2.0%
19.8%	32	31	-1	-2.3%
21.0%	32	31	-1	-2.3%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-0.9%
24.7%	31	30	-1	-2.4%
25.9%	31	30	-1	-2.0%
27.2%	30	30	0	-0.6%
28.4%	30	30	0	-0.5%
29.6%	30	30	0	-0.5%
30.9%	30	30	0	-0.5%
32.1%	30	30	0	-0.5%
33.3%	30	30	0	-0.9%
34.6%	30	30	0	-0.9%
35.8%	30	30	0	-1.1%
37.0%	30	30	0	-1.1%
38.3%	30	30	0	-1.0%
39.5%	30	30	0	-1.4%
40.7%	30	30	0	-1.2%
42.0%	30	29	0	-1.3%
43.2%	30	29	0	-1.2%
44.4%	30	29	0	-1.1%
45.7%	30	29	0	-1.0%
46.9%	30	29	0	-1.1%
48.1%	30	29	0	-0.9%
49.4%	30	29	0	-1.0%
50.6%	30	29	0	-1.0%
51.9%	30	29	0	-1.0%
53.1%	30	29	0	-1.0%
54.3%	30	29	0	-1.1%
55.6%	30	29	0	-1.3%
56.8%	30	29	0	-1.2%
58.0%	30	29	0	-1.1%
59.3%	30	29	0	-1.1%
60.5%	30	29	0	-1.1%
61.7%	30	29	0	-1.2%
63.0%	29	29	0	-1.1%
64.2%	29	29	0	-1.1%
65.4%	29	29	0	-1.2%
66.7%	29	29	0	-1.1%
67.9%	29	29	0	-1.0%
69.1%	29	29	0	-1.2%
70.4%	29	29	0	-1.1%
71.6%	29	29	0	-1.1%
72.8%	29	29	0	-1.0%
74.1%	29	29	0	-1.0%
75.3%	29	29	0	-1.1%
76.5%	29	29	0	-1.1%
77.8%	29	29	0	-1.0%
79.0%	29	29	0	-1.0%
80.2%	29	29	0	-1.0%
81.5%	29	29	0	-1.0%
82.7%	29	29	0	-1.0%
84.0%	29	29	0	-1.0%
85.2%	29	29	0	-1.0%
86.4%	29	29	0	-1.1%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.2%
90.1%	29	29	0	-1.2%
91.4%	29	29	0	-1.0%
92.6%	29	29	0	-1.1%
93.8%	29	29	0	-1.1%
95.1%	29	29	0	-1.0%
96.3%	29	29	0	-0.6%
97.5%	29	29	0	-0.5%
98.8%	29	29	0	-0.4%
100.0%	29	29	0	-0.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	-0.1%
1.2%	33	33	0	-0.6%
2.5%	33	32	0	-1.0%
3.7%	33	32	0	-1.3%
4.9%	33	32	0	-1.4%
6.2%	32	32	-1	-2.0%
7.4%	32	32	0	-0.1%
8.6%	32	32	0	-0.4%
9.9%	32	31	0	-1.3%
11.1%	31	31	0	-1.0%
12.3%	31	31	0	-0.2%
13.6%	31	31	0	-0.7%
14.8%	31	31	0	-0.7%
16.0%	31	31	0	-1.4%
17.3%	31	30	0	-1.6%
18.5%	31	30	0	-1.4%
19.8%	31	30	0	-1.1%
21.0%	31	30	0	-1.3%
22.2%	30	30	0	-0.5%
23.5%	30	30	0	-0.7%
24.7%	30	30	0	-0.7%
25.9%	30	30	0	-0.9%
27.2%	30	30	0	-0.8%
28.4%	30	30	0	-0.8%
29.6%	30	30	0	-0.9%
30.9%	30	30	0	-0.7%
32.1%	30	30	0	-0.7%
33.3%	30	30	0	-0.7%
34.6%	30	30	0	-0.7%
35.8%	30	30	0	-0.8%
37.0%	30	30	0	-0.6%
38.3%	30	30	0	-0.6%
39.5%	30	30	0	-0.7%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-0.9%
43.2%	30	30	0	-0.9%
44.4%	30	30	0	-0.9%
45.7%	30	30	0	-0.8%
46.9%	30	30	0	-0.6%
48.1%	30	29	0	-0.8%
49.4%	30	29	0	-0.8%
50.6%	30	29	0	-0.8%
51.9%	30	29	0	-0.7%
53.1%	30	29	0	-0.7%
54.3%	30	29	0	-0.7%
55.6%	30	29	0	-0.6%
56.8%	30	29	0	-0.6%
58.0%	30	29	0	-0.5%
59.3%	30	29	0	-0.5%
60.5%	30	29	0	-0.4%
61.7%	30	29	0	-0.4%
63.0%	29	29	0	-0.3%
64.2%	29	29	0	-0.4%
65.4%	29	29	0	-0.3%
66.7%	29	29	0	-0.3%
67.9%	29	29	0	-0.3%
69.1%	29	29	0	-0.2%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.2%
74.1%	29	29	0	-0.3%
75.3%	29	29	0	-0.3%
76.5%	29	29	0	-0.3%
77.8%	29	29	0	-0.5%
79.0%	29	29	0	-0.5%
80.2%	29	29	0	-0.6%
81.5%	29	29	0	-0.5%
82.7%	29	29	0	-0.5%
84.0%	29	29	0	-0.8%
85.2%	29	29	0	-0.8%
86.4%	29	29	0	-0.8%
87.7%	29	29	0	-0.8%
88.9%	29	29	0	-0.9%
90.1%	29	29	0	-0.9%
91.4%	29	29	0	-1.2%
92.6%	29	29	0	-1.3%
93.8%	29	29	0	-1.3%
95.1%	29	29	0	-1.2%
96.3%	29	29	0	-1.2%
97.5%	29	29	0	-1.2%
98.8%	29	29	0	-1.0%
100.0%	29	29	0	-1.2%

Table SW-54-5b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	-0.1%
1.2%	32	32	0	-0.1%
2.5%	31	31	0	-0.6%
3.7%	31	31	0	-0.9%
4.9%	31	31	0	-1.0%
6.2%	31	31	0	-0.8%
7.4%	31	31	0	-0.6%
8.6%	31	31	0	-0.6%
9.9%	31	31	0	-0.1%
11.1%	31	31	0	0.0%
12.3%	30	30	0	-0.1%
13.6%	30	30	0	0.0%
14.8%	30	30	0	-0.1%
16.0%	30	30	0	-0.1%
17.3%	30	30	0	0.0%
18.5%	30	30	0	0.1%
19.8%	30	30	0	-0.1%
21.0%	30	30	0	-0.1%
22.2%	30	30	0	-0.1%
23.5%	30	30	0	0.0%
24.7%	30	30	0	0.0%
25.9%	30	30	0	-0.2%
27.2%	30	30	0	-0.1%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	-0.1%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.2%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.1%
38.3%	30	30	0	-0.2%
39.5%	30	30	0	-0.1%
40.7%	30	30	0	-0.1%
42.0%	30	30	0	0.0%
43.2%	30	30	0	0.0%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	0.0%
46.9%	30	30	0	0.0%
48.1%	30	30	0	0.0%
49.4%	30	30	0	0.0%
50.6%	30	30	0	0.1%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.0%
55.6%	30	30	0	0.0%
56.8%	30	30	0	0.0%
58.0%	30	30	0	0.0%
59.3%	30	30	0	0.0%
60.5%	30	30	0	0.0%
61.7%	30	30	0	-0.2%
63.0%	30	30	0	-0.2%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	-0.2%
66.7%	30	30	0	-0.2%
67.9%	30	30	0	-0.2%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	-0.1%
72.8%	30	30	0	-0.1%
74.1%	30	30	0	0.0%
75.3%	30	30	0	0.1%
76.5%	30	30	0	0.1%
77.8%	30	30	0	0.2%
79.0%	30	30	0	0.2%
80.2%	30	30	0	0.2%
81.5%	30	30	0	0.2%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	-0.1%
87.7%	30	30	0	0.0%
88.9%	30	30	0	0.0%
90.1%	30	30	0	0.0%
91.4%	30	30	0	0.1%
92.6%	30	30	0	0.0%
93.8%	30	30	0	-0.1%
95.1%	30	29	0	-0.4%
96.3%	30	29	0	-0.2%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.2%
100.0%	29	29	0	-0.1%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	0	0.6%
1.2%	31	31	0	0.2%
2.5%	31	31	0	0.5%
3.7%	31	31	0	0.7%
4.9%	31	31	0	0.9%
6.2%	31	31	0	1.0%
7.4%	31	31	0	1.0%
8.6%	31	31	0	1.0%
9.9%	31	31	0	0.7%
11.1%	31	31	0	0.7%
12.3%	31	31	0	0.6%
13.6%	31	31	0	0.6%
14.8%	31	31	0	0.6%
16.0%	31	31	0	0.6%
17.3%	31	31	0	0.5%
18.5%	31	31	0	0.5%
19.8%	31	31	0	0.6%
21.0%	31	31	0	0.6%
22.2%	31	31	0	0.5%
23.5%	31	31	0	0.5%
24.7%	31	31	0	0.4%
25.9%	31	31	0	0.3%
27.2%	31	31	0	0.2%
28.4%	31	31	0	0.2%
29.6%	31	31	0	0.2%
30.9%	31	31	0	0.2%
32.1%	31	31	0	0.2%
33.3%	31	31	0	0.2%
34.6%	31	31	0	0.2%
35.8%	31	31	0	0.2%
37.0%	31	31	0	0.1%
38.3%	31	31	0	0.1%
39.5%	31	31	0	0.1%
40.7%	31	31	0	0.1%
42.0%	31	31	0	0.2%
43.2%	31	31	0	0.2%
44.4%	31	31	0	0.1%
45.7%	31	31	0	0.3%
46.9%	31	31	0	0.2%
48.1%	31	31	0	0.1%
49.4%	30	31	0	0.5%
50.6%	30	31	0	0.5%
51.9%	30	31	0	0.6%
53.1%	30	31	0	0.6%
54.3%	30	31	0	0.5%
55.6%	30	31	0	0.5%
56.8%	30	30	0	0.4%
58.0%	30	30	0	0.5%
59.3%	30	30	0	0.6%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.5%
66.7%	30	30	0	0.4%
67.9%	30	30	0	0.4%
69.1%	30	30	0	0.3%
70.4%	30	30	0	0.4%
71.6%	30	30	0	0.5%
72.8%	30	30	0	0.4%
74.1%	30	30	0	0.3%
75.3%	30	30	0	0.3%
76.5%	30	30	0	0.3%
77.8%	30	30	0	0.3%
79.0%	30	30	0	0.3%
80.2%	30	30	0	0.3%
81.5%	30	30	0	0.1%
82.7%	30	30	0	0.1%
84.0%	30	30	0	0.3%
85.2%	30	30	0	0.3%
86.4%	30	30	0	0.3%
87.7%	30	30	0	0.5%
88.9%	30	30	0	0.4%
90.1%	30	30	0	0.5%
91.4%	30	30	0	0.6%
92.6%	30	30	0	0.6%
93.8%	30	30	0	0.3%
95.1%	30	30	0	0.3%
96.3%	30	30	0	0.2%
97.5%	30	30	0	0.2%
98.8%	30	30	0	0.4%
100.0%	29	30	0	0.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	-0.1%
1.2%	31	31	0	-0.4%
2.5%	31	31	0	-0.5%
3.7%	31	31	0	0.0%
4.9%	31	31	0	-0.2%
6.2%	31	31	0	-0.2%
7.4%	31	30	0	-0.6%
8.6%	31	30	0	-0.3%
9.9%	30	30	0	-0.5%
11.1%	30	30	0	-0.5%
12.3%	30	30	0	-0.2%
13.6%	30	30	0	-0.1%
14.8%	30	30	0	-0.3%
16.0%	30	30	0	-0.4%
17.3%	30	30	0	-0.5%
18.5%	30	30	0	-0.4%
19.8%	30	30	0	-0.5%
21.0%	30	30	0	-0.5%
22.2%	30	30	0	-0.7%
23.5%	30	30	0	-0.4%
24.7%	30	30	0	-0.5%
25.9%	30	30	0	-0.4%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.4%
29.6%	30	30	0	-0.3%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.1%
34.6%	30	30	0	-0.1%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.1%
38.3%	30	30	0	-0.2%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.3%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.2%
44.4%	30	30	0	-0.2%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.3%
51.9%	30	30	0	-0.3%
53.1%	30	30	0	-0.3%
54.3%	30	30	0	-0.3%
55.6%	30	30	0	-0.2%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.3%
59.3%	30	30	0	-0.2%
60.5%	30	30	0	-0.3%
61.7%	30	30	0	-0.3%
63.0%	30	30	0	-0.3%
64.2%	30	30	0	-0.3%
65.4%	30	30	0	-0.3%
66.7%	30	30	0	-0.3%
67.9%	30	30	0	-0.3%
69.1%	30	30	0	-0.3%
70.4%	30	30	0	-0.3%
71.6%	30	30	0	-0.3%
72.8%	30	30	0	-0.3%
74.1%	30	30	0	-0.3%
75.3%	30	30	0	-0.2%
76.5%	30	30	0	-0.3%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	-0.1%
80.2%	30	30	0	-0.1%
81.5%	30	30	0	-0.1%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.0%
87.7%	30	30	0	0.1%
88.9%	29	30	0	0.1%
90.1%	29	30	0	0.2%
91.4%	29	30	0	0.1%
92.6%	29	30	0	0.1%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.4%
100.0%	29	29	0	0.4%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-0.9%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.1%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.3%
6.2%	32	31	0	-0.1%
7.4%	31	31	0	0.2%
8.6%	31	31	0	0.2%
9.9%	31	31	0	0.3%
11.1%	31	31	0	0.3%
12.3%	31	31	0	0.3%
13.6%	31	31	0	-0.3%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.5%
17.3%	31	31	0	-0.2%
18.5%	31	31	0	-0.4%
19.8%	31	31	0	-0.4%
21.0%	31	31	0	-0.4%
22.2%	31	31	0	-0.3%
23.5%	31	31	0	-0.2%
24.7%	31	31	0	0.0%
25.9%	31	31	0	0.2%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.3%
29.6%	30	30	0	-0.3%
30.9%	30	30	0	-0.5%
32.1%	30	30	0	-0.7%
33.3%	30	30	0	-0.5%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.7%
38.3%	30	30	0	-0.5%
39.5%	30	30	0	-0.7%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	0.1%
43.2%	30	30	0	0.4%
44.4%	29	30	0	0.3%
45.7%	29	30	0	0.2%
46.9%	29	30	0	0.1%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.0%
50.6%	29	29	0	0.2%
51.9%	29	29	0	0.1%
53.1%	29	29	0	0.0%
54.3%	29	29	0	0.1%
55.6%	29	29	0	0.2%
56.8%	29	29	0	0.1%
58.0%	29	29	0	0.2%
59.3%	29	29	0	0.2%
60.5%	29	29	0	0.2%
61.7%	29	29	0	0.3%
63.0%	29	29	0	0.4%
64.2%	29	29	0	0.3%
65.4%	29	29	0	0.3%
66.7%	29	29	0	0.3%
67.9%	29	29	0	0.2%
69.1%	29	29	0	0.0%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.1%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.2%
77.8%	29	29	0	0.3%
79.0%	29	29	0	0.3%
80.2%	29	29	0	0.3%
81.5%	29	29	0	0.2%
82.7%	29	29	0	0.3%
84.0%	29	29	0	0.4%
85.2%	29	29	0	0.4%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.6%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.7%
92.6%	29	29	0	0.9%
93.8%	29	29	0	0.8%
95.1%	29	29	0	0.8%
96.3%	29	29	0	0.8%
97.5%	29	29	0	0.1%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

Table SW-56-5a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative B	30	33	34	36	38	36	31	30	29	31	29	32
Difference	1	1	0	0	0	-1	0	0	1	2	1	1
Percent Difference[3]	2.9%	3.1%	0.3%	-0.9%	-0.9%	-3.9%	-1.2%	-0.5%	2.2%	5.1%	2.1%	3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative B	32	35	35	41	42	40	36	33	30	31	29	37
Difference	1	1	0	0	0	-1	0	0	1	1	0	1
Percent Difference	4.8%	2.9%	0.6%	-0.5%	-0.7%	-2.1%	-1.3%	-1.3%	2.3%	4.2%	0.1%	3.0%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative B	30	34	35	39	41	39	32	30	29	32	29	32
Difference	1	2	0	0	-1	-2	-1	-1	0	2	1	1
Percent Difference	2.8%	5.0%	0.0%	-1.2%	-1.8%	-4.3%	-2.6%	-2.0%	0.6%	6.8%	1.9%	2.8%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative B	30	32	36	35	37	32	30	28	29	31	29	29
Difference	1	1	0	-1	0	-3	0	0	0	2	0	1
Percent Difference	3.5%	3.3%	0.9%	-2.7%	-0.9%	-7.9%	-1.3%	-0.7%	0.9%	6.4%	1.8%	3.5%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative B	29	31	35	32	34	33	28	28	29	32	30	30
Difference	0	1	0	0	0	-2	0	0	1	2	1	1
Percent Difference	0.9%	3.1%	0.6%	0.1%	-0.8%	-4.8%	-1.1%	1.5%	2.5%	5.6%	4.2%	4.4%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative B	28	28	30	31	31	31	27	27	30	31	30	29
Difference	0	0	-1	0	0	-1	0	0	1	1	1	1
Percent Difference	1.1%	0.9%	-1.8%	-0.7%	-0.8%	-1.8%	0.5%	0.5%	4.9%	3.0%	4.1%	4.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

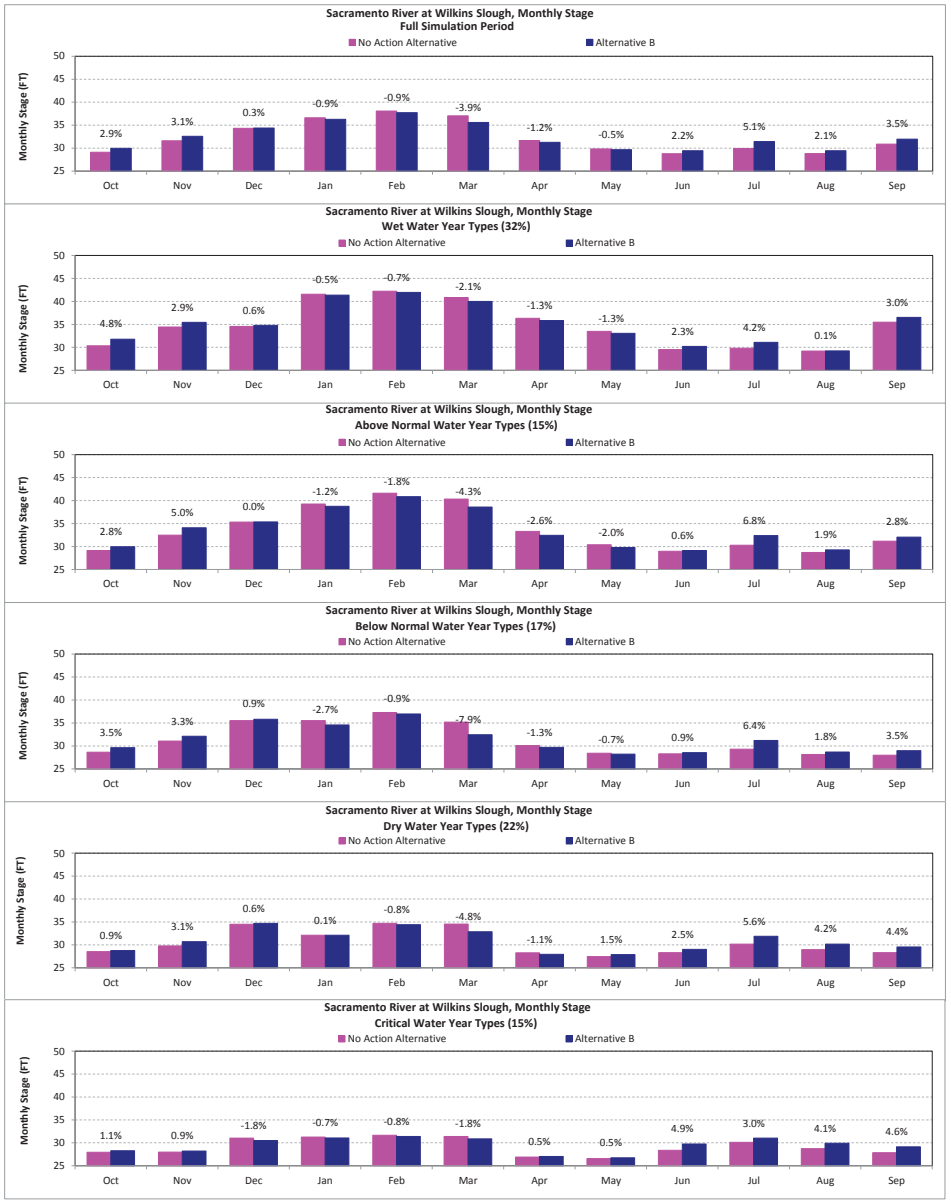

Figure SW-56-5b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

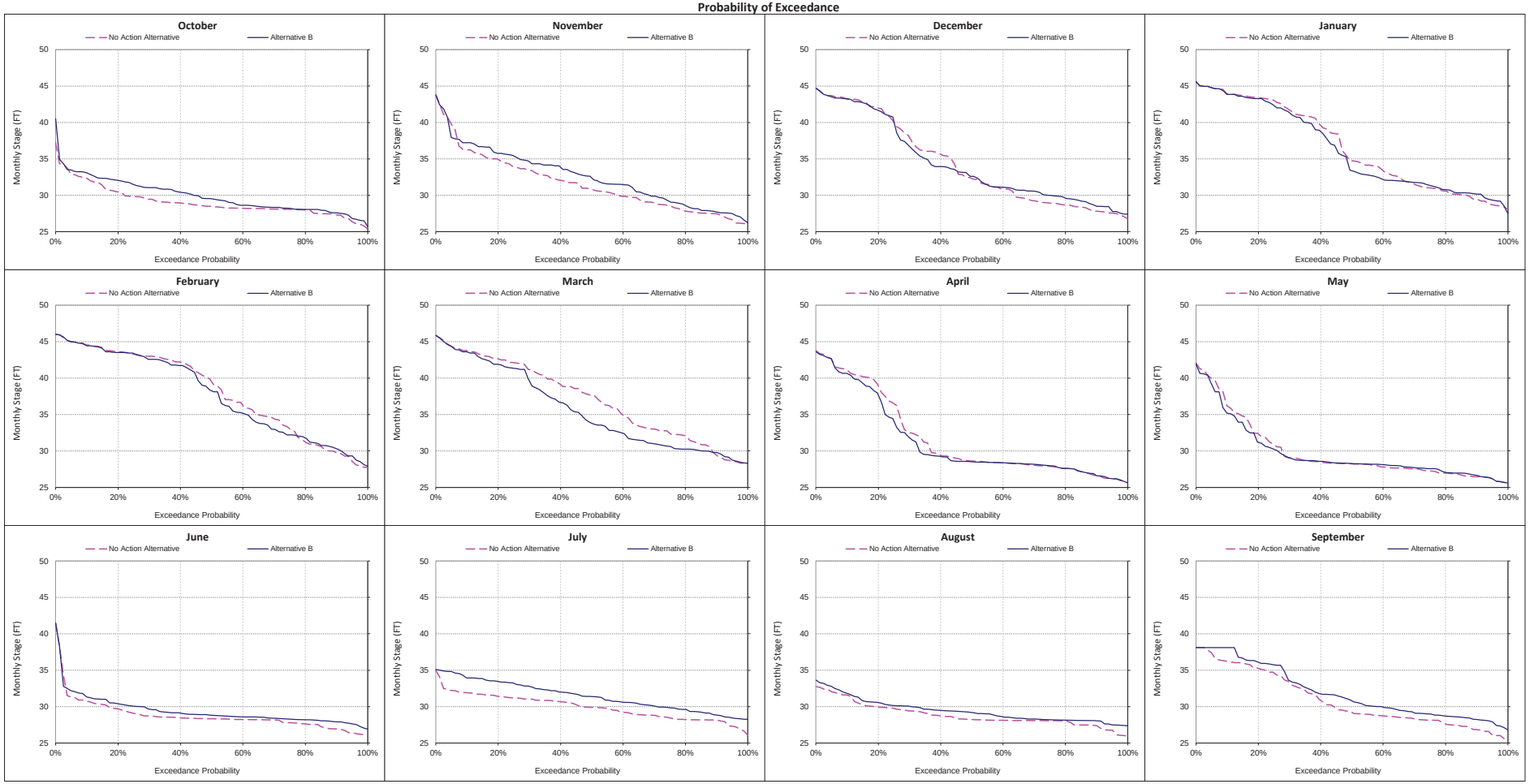

Table SW-56-5b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	40	3	8.8%
1.2%	34	35	1	1.7%
2.5%	34	34	0	0.3%
3.7%	34	34	0	-0.6%
4.9%	33	33	1	1.8%
6.2%	33	33	0	1.3%
7.4%	33	33	1	2.0%
8.6%	32	33	1	2.2%
9.9%	32	33	1	2.3%
11.1%	32	33	1	2.7%
12.3%	32	33	1	2.6%
13.6%	32	32	1	1.8%
14.8%	31	32	1	3.0%
16.0%	31	32	2	4.9%
17.3%	31	32	2	4.9%
18.5%	31	32	2	5.0%
19.8%	30	32	2	5.3%
21.0%	30	32	1	4.8%
22.2%	30	32	2	6.3%
23.5%	30	32	2	6.3%
24.7%	30	31	2	5.6%
25.9%	30	31	2	5.2%
27.2%	30	31	1	4.9%
28.4%	30	31	1	5.0%
29.6%	29	31	2	5.5%
30.9%	29	31	2	5.4%
32.1%	29	31	2	6.3%
33.3%	29	31	2	6.2%
34.6%	29	31	2	6.0%
35.8%	29	31	2	6.1%
37.0%	29	31	2	6.2%
38.3%	29	31	2	5.4%
39.5%	29	30	1	5.1%
40.7%	29	30	1	5.1%
42.0%	29	30	1	5.1%
43.2%	29	30	1	4.8%
44.4%	29	30	1	4.6%
45.7%	29	30	1	4.4%
46.9%	29	30	1	3.5%
48.1%	28	30	1	3.7%
49.4%	28	30	1	3.6%
50.6%	28	29	1	3.7%
51.9%	28	29	1	3.4%
53.1%	28	29	1	3.4%
54.3%	28	29	1	3.4%
55.6%	28	29	1	2.7%
56.8%	28	29	1	2.6%
58.0%	28	29	0	1.7%
59.3%	28	29	0	1.4%
60.5%	28	29	0	1.5%
61.7%	28	29	0	1.5%
63.0%	28	29	0	1.4%
64.2%	28	28	0	1.1%
65.4%	28	28	0	0.9%
66.7%	28	28	0	0.8%
67.9%	28	28	0	0.9%
69.1%	28	28	0	0.8%
70.4%	28	28	0	0.8%
71.6%	28	28	0	0.8%
72.8%	28	28	0	0.5%
74.1%	28	28	0	0.5%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.1%
77.8%	28	28	0	0.2%
79.0%	28	28	0	0.2%
80.2%	28	28	0	0.3%
81.5%	28	28	0	0.3%
82.7%	28	28	1	1.9%
84.0%	27	28	1	2.0%
85.2%	27	28	0	1.7%
86.4%	27	28	0	1.6%
87.7%	27	28	0	0.8%
88.9%	27	28	0	0.5%
90.1%	27	28	0	1.0%
91.4%	27	28	0	1.0%
92.6%	27	27	1	2.3%
93.8%	27	27	0	1.8%
95.1%	26	27	0	1.8%
96.3%	26	27	1	2.3%
97.5%	26	27	1	2.0%
98.8%	26	26	1	2.7%
100.0%	25	26	0	1.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.4%
1.2%	42	42	0	-0.2%
2.5%	41	42	1	1.9%
3.7%	41	41	0	0.0%
4.9%	40	38	-2	-4.6%
6.2%	39	38	-1	-3.2%
7.4%	37	38	1	2.5%
8.6%	36	37	1	2.5%
9.9%	36	37	1	2.8%
11.1%	36	37	1	2.8%
12.3%	36	37	1	3.3%
13.6%	36	37	1	2.6%
14.8%	36	37	1	3.1%
16.0%	35	37	1	4.0%
17.3%	35	37	2	4.5%
18.5%	35	36	1	2.7%
19.8%	35	36	1	2.2%
21.0%	35	36	1	3.2%
22.2%	34	36	1	3.6%
23.5%	34	36	1	3.6%
24.7%	34	35	2	4.5%
25.9%	34	35	1	3.9%
27.2%	34	35	1	3.7%
28.4%	34	35	1	3.5%
29.6%	33	35	1	3.8%
30.9%	33	34	1	2.9%
32.1%	33	34	1	4.0%
33.3%	33	34	1	4.6%
34.6%	33	34	1	4.2%
35.8%	33	34	1	4.4%
37.0%	32	34	2	5.8%
38.3%	32	34	2	5.6%
39.5%	32	34	2	6.1%
40.7%	32	34	2	4.8%
42.0%	32	34	2	5.7%
43.2%	32	33	2	4.8%
44.4%	32	33	1	4.4%
45.7%	32	33	1	3.9%
46.9%	31	33	2	5.8%
48.1%	31	33	2	5.4%
49.4%	31	33	2	5.5%
50.6%	31	32	1	4.6%
51.9%	31	32	1	4.6%
53.1%	31	32	1	3.9%
54.3%	30	32	1	3.7%
55.6%	30	32	1	3.9%
56.8%	30	32	1	4.4%
58.0%	30	32	1	4.6%
59.3%	30	31	2	5.4%
60.5%	30	31	2	5.3%
61.7%	30	31	2	5.5%
63.0%	30	31	1	4.6%
64.2%	30	30	1	2.6%
65.4%	29	30	1	3.8%
66.7%	29	30	1	3.9%
67.9%	29	30	1	3.5%
69.1%	29	30	1	2.8%
70.4%	29	30	1	3.4%
71.6%	29	30	1	3.4%
72.8%	29	30	1	3.1%
74.1%	29	29	1	2.5%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.6%
79.0%	28	29	1	3.1%
80.2%	28	29	1	2.7%
81.5%	28	28	1	2.0%
82.7%	28	28	0	1.8%
84.0%	28	28	1	2.0%
85.2%	28	28	0	1.3%
86.4%	28	28	0	1.3%
87.7%	28	28	0	1.3%
88.9%	27	28	0	1.2%
90.1%	27	28	0	0.9%
91.4%	27	28	0	1.2%
92.6%	27	28	1	2.2%
93.8%	27	28	1	2.9%
95.1%	27	27	1	3.1%
96.3%	26	27	1	3.9%
97.5%	26	27	1	3.4%
98.8%	26	27	0	1.9%
100.0%	26	26	0	0.6%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	44	0	-0.2%
2.5%	44	44	0	0.0%
3.7%	44	44	0	0.0%
4.9%	44	44	0	-0.4%
6.2%	44	43	0	-0.4%
7.4%	44	43	0	-0.4%
8.6%	43	43	0	-0.4%
9.9%	43	43	0	0.2%
11.1%	43	43	0	0.0%
12.3%	43	43	0	-0.8%
13.6%	43	43	0	-0.6%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.4%
17.3%	42	42	0	0.4%
18.5%	42	42	0	-0.6%
19.8%	42	42	0	-0.6%
21.0%	42	41	0	-1.0%
22.2%	41	41	0	0.0%
23.5%	41	41	0	0.2%
24.7%	40	41	1	1.3%
25.9%	39	39	-1	-2.2%
27.2%	39	38	-2	-3.9%
28.4%	39	37	-1	-3.0%
29.6%	38	37	-1	-3.5%
30.9%	37	36	-1	-2.7%
32.1%	37	36	-1	-2.3%
33.3%	36	35	-1	-2.3%
34.6%	36	35	-1	-2.8%
35.8%	36	35	-1	-3.1%
37.0%	36	34	-2	-5.2%
38.3%	36	34	-2	-5.6%
39.5%	36	34	-2	-5.1%
40.7%	35	34	-2	-4.3%
42.0%	35	34	-2	-4.3%
43.2%	35	34	-1	-4.1%
44.4%	34	34	-1	-2.0%
45.7%	33	33	0	1.0%
46.9%	33	33	0	1.0%
48.1%	32	33	1	2.0%
49.4%	32	33	0	0.6%
50.6%	32	33	0	1.2%
51.9%	32	32	0	0.6%
53.1%	32	32	0	0.6%
54.3%	32	32	0	0.1%
55.6%	31	31	0	-0.6%
56.8%	31	31	0	0.1%
58.0%	31	31	0	0.2%
59.3%	31	31	0	0.8%
60.5%	31	31	0	0.7%
61.7%	31	31	0	0.7%
63.0%	31	31	0	1.2%
64.2%	30	31	1	3.2%
65.4%	30	31	1	3.5%
66.7%	30	31	1	3.6%
67.9%	29	31	1	3.8%
69.1%	29	31	1	4.4%
70.4%	29	31	1	4.6%
71.6%	29	30	1	4.5%
72.8%	29	30	1	3.7%
74.1%	29	30	1	3.6%
75.3%	29	30	1	3.7%
76.5%	29	30	1	3.5%
77.8%	29	30	1	3.7%
79.0%	29	30	1	3.8%
80.2%	29	30	1	3.1%
81.5%	29	30	1	3.1%
82.7%	28	29	1	3.5%
84.0%	28	29	1	3.2%
85.2%	28	29	1	2.9%
86.4%	28	29	1	2.9%
87.7%	28	29	1	3.0%
88.9%	28	29	1	3.1%
90.1%	28	28	1	2.4%
91.4%	28	28	1	2.6%
92.6%	28	28	1	2.7%
93.8%	28	28	1	3.2%
95.1%	28	28	0	0.8%
96.3%	27	28	0	1.0%
97.5%	27	28	0	1.0%
98.8%	27	27	0	1.3%
100.0%	27	27	1	2.5%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.2%
1.2%	45	45	0	0.0%
2.5%	45	45	0	-0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	0.0%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	44	0	-0.4%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	0.0%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.2%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-0.8%
23.5%	43	43	0	-1.0%
24.7%	43	42	-1	-1.6%
25.9%	43	42	-1	-1.8%
27.2%	43	42	-1	-1.4%
28.4%	42	42	0	-1.1%
29.6%	42	41	0	-0.8%
30.9%	41	41	0	-1.1%
32.1%	41	41	0	-0.9%
33.3%	41	41	0	-0.9%
34.6%	41	40	-1	-2.2%
35.8%	41	40	-1	-2.2%
37.0%	41	40	-1	-2.2%
38.3%	41	39	-2	-3.9%
39.5%	40	39	-1	-2.2%
40.7%	39	38	-1	-2.0%
42.0%	39	38	-1	-3.4%
43.2%	39	37	-2	-3.9%
44.4%	38	37	-2	-4.2%
45.7%	38	36	-3	-6.9%
46.9%	36	35	-1	-1.8%
48.1%	35	35	0	-0.5%
49.4%	35	33	-1	-3.7%
50.6%	35	33	-1	-4.1%
51.9%	35	33	-2	-4.4%
53.1%	34	33	-2	-4.4%
54.3%	34	33	-1	-3.8%
55.6%	34	33	-1	-4.1%
56.8%	34	33	-1	-4.1%
58.0%	34	33	-2	-4.5%
59.3%	34	32	-1	-4.0%
60.5%	33	32	-1	-3.3%
61.7%	33	32	-1	-2.8%
63.0%	33	32	-1	-2.0%
64.2%	33	32	-1	-1.9%
65.4%	32	32	0	-1.3%
66.7%	32	32	0	-0.2%
67.9%	32	32	0	0.1%
69.1%	32	32	0	0.2%
70.4%	31	32	0	1.1%
71.6%	31	32	0	1.5%
72.8%	31	32	1	1.8%
74.1%	31	31	0	1.5%
75.3%	31	31	0	1.0%
76.5%	31	31	0	0.8%
77.8%	31	31	0	0.5%
79.0%	31	31	0	0.6%
80.2%	31	31	0	0.6%
81.5%	30	31	0	1.6%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.7%
85.2%	30	30	0	0.9%
86.4%	30	30	0	0.9%
87.7%	30	30	0	1.5%
88.9%	29	30	1	2.5%
90.1%	29	30	1	2.4%
91.4%	29	30	1	3.2%
92.6%	29	30	0	1.5%
93.8%	29	29	1	2.3%
95.1%	29	29	1	2.2%
96.3%	29	29	1	2.2%
97.5%	29	29	1	2.3%
98.8%	28	29	0	0.5%
100.0%	28	27	-1	-2.2%

Table SW-56-5b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	-0.2%
8.6%	45	45	0	0.2%
9.9%	45	44	0	-0.2%
11.1%	45	44	0	-0.2%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.2%
16.0%	44	44	0	-0.4%
17.3%	44	44	0	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	-0.2%
21.0%	44	44	0	-0.2%
22.2%	44	44	0	0.0%
23.5%	43	43	0	0.0%
24.7%	43	43	0	0.4%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	0.0%
28.4%	43	43	0	-0.2%
29.6%	43	43	0	-1.0%
30.9%	43	43	0	-1.0%
32.1%	43	43	0	-0.8%
33.3%	43	42	0	-0.8%
34.6%	43	42	0	-0.8%
35.8%	43	42	0	-1.0%
37.0%	42	42	-1	-1.6%
38.3%	42	42	0	-1.0%
39.5%	42	42	-1	-1.2%
40.7%	42	42	0	-1.1%
42.0%	42	41	0	-1.1%
43.2%	42	41	-1	-1.3%
44.4%	41	41	0	-0.4%
45.7%	41	40	-1	-2.8%
46.9%	40	39	-1	-3.5%
48.1%	40	39	-1	-3.0%
49.4%	40	38	-1	-3.7%
50.6%	39	38	-1	-2.5%
51.9%	39	38	-1	-2.0%
53.1%	38	37	-2	-4.9%
54.3%	37	36	-1	-2.2%
55.6%	37	36	-1	-2.5%
56.8%	37	35	-1	-4.0%
58.0%	37	35	-1	-3.8%
59.3%	37	35	-1	-3.8%
60.5%	36	35	-1	-2.3%
61.7%	36	35	-1	-2.6%
63.0%	36	34	-1	-3.7%
64.2%	35	34	-1	-3.0%
65.4%	35	34	-1	-3.3%
66.7%	35	34	-1	-3.1%
67.9%	35	34	-1	-3.4%
69.1%	35	33	-2	-4.7%
70.4%	34	33	-1	-4.0%
71.6%	34	33	-2	-4.6%
72.8%	34	33	-1	-2.9%
74.1%	33	32	-1	-3.5%
75.3%	33	32	-1	-2.2%
76.5%	33	32	-1	-1.5%
77.8%	32	32	0	0.6%
79.0%	32	32	0	1.4%
80.2%	31	32	1	1.9%
81.5%	31	31	0	1.0%
82.7%	31	31	0	0.6%
84.0%	31	31	0	0.9%
85.2%	31	31	0	0.5%
86.4%	30	31	1	2.2%
87.7%	30	31	1	2.1%
88.9%	30	31	1	1.7%
90.1%	30	30	1	1.9%
91.4%	30	30	0	1.4%
92.6%	29	30	0	1.1%
93.8%	29	29	0	0.2%
95.1%	29	29	1	2.7%
96.3%	28	29	1	2.3%
97.5%	28	29	1	2.0%
98.8%	28	28	0	1.2%
100.0%	28	28	0	0.6%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.2%
2.5%	45	45	0	-0.3%
3.7%	45	45	0	-0.2%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.4%
8.6%	44	44	0	-0.4%
9.9%	44	44	0	-0.4%
11.1%	44	43	0	-0.4%
12.3%	44	43	0	-0.4%
13.6%	43	43	0	-1.0%
14.8%	43	43	0	-1.0%
16.0%	43	42	-1	-1.2%
17.3%	43	42	-1	-1.4%
18.5%	43	42	-1	-1.8%
19.8%	43	42	-1	-1.8%
21.0%	42	42	-1	-1.6%
22.2%	42	42	-1	-2.2%
23.5%	42	41	-1	-1.6%
24.7%	42	41	-1	-1.8%
25.9%	42	41	-1	-1.9%
27.2%	42	41	-1	-1.9%
28.4%	42	41	-1	-1.7%
29.6%	41	40	-1	-3.0%
30.9%	41	39	-2	-5.3%
32.1%	41	39	-2	-5.1%
33.3%	40	38	-2	-5.2%
34.6%	40	38	-2	-6.1%
35.8%	40	38	-2	-5.8%
37.0%	40	37	-3	-6.4%
38.3%	40	37	-2	-6.1%
39.5%	39	37	-3	-6.6%
40.7%	39	37	-2	-5.8%
42.0%	39	36	-3	-6.5%
43.2%	39	36	-3	-8.2%
44.4%	39	35	-3	-8.3%
45.7%	39	35	-3	-8.5%
46.9%	38	35	-3	-8.5%
48.1%	38	34	-4	-9.5%
49.4%	38	34	-4	-9.9%
50.6%	38	34	-4	-10.7%
51.9%	37	34	-4	-9.6%
53.1%	37	34	-3	-8.5%
54.3%	36	33	-3	-8.1%
55.6%	36	33	-3	-9.4%
56.8%	36	33	-3	-8.5%
58.0%	36	33	-3	-8.9%
59.3%	35	33	-3	-7.6%
60.5%	35	32	-2	-6.8%
61.7%	35	32	-3	-8.1%
63.0%	34	32	-2	-6.6%
64.2%	34	32	-2	-6.1%
65.4%	33	31	-2	-5.7%
66.7%	33	31	-2	-5.4%
67.9%	33	31	-2	-6.0%
69.1%	33	31	-2	-6.1%
70.4%	33	31	-2	-6.2%
71.6%	33	31	-2	-5.8%
72.8%	33	31	-2	-6.2%
74.1%	33	31	-2	-6.4%
75.3%	32	31	-2	-5.3%
76.5%	32	30	-2	-6.0%
77.8%	32	30	-2	-6.1%
79.0%	32	30	-2	-5.9%
80.2%	32	30	-2	-5.7%
81.5%	31	30	-1	-3.8%
82.7%	31	30	-1	-3.4%
84.0%	31	30	-1	-3.2%
85.2%	31	30	-1	-2.8%
86.4%	31	30	-1	-2.8%
87.7%	31	30	-1	-2.1%
88.9%	30	30	0	-0.1%
90.1%	29	30	0	1.5%
91.4%	29	30	0	1.5%
92.6%	29	29	0	1.5%
93.8%	29	29	0	1.4%
95.1%	29	29	0	0.7%
96.3%	29	29	0	0.3%
97.5%	28	28	0	0.5%
98.8%	28	28	0	0.1%
100.0%	28	28	0	1.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.4%
1.2%	43	43	0	-0.2%
2.5%	43	43	0	-0.4%
3.7%	43	43	0	0.0%
4.9%	43	43	0	0.0%
6.2%	42	41	0	-0.4%
7.4%	41	41	-1	-1.3%
8.6%	41	41	-1	-1.5%
9.9%	41	41	-1	-1.3%
11.1%	41	40	0	-0.6%
12.3%	40	40	-1	-1.5%
13.6%	40	40	-1	-1.5%
14.8%	40	39	-1	-2.2%
16.0%	40	39	-1	-3.1%
17.3%	40	39	-1	-3.0%
18.5%	40	38	-1	-3.7%
19.8%	39	38	-1	-3.2%
21.0%	38	37	-1	-3.6%
22.2%	37	35	-2	-6.7%
23.5%	37	35	-2	-6.1%
24.7%	37	34	-2	-5.9%
25.9%	36	33	-3	-8.2%
27.2%	34	33	-2	-5.2%
28.4%	33	33	0	-1.2%
29.6%	33	32	-1	-1.7%
30.9%	32	31	-1	-2.9%
32.1%	32	31	-1	-3.1%
33.3%	32	30	-2	-6.6%
34.6%	31	30	-2	-5.4%
35.8%	31	30	-2	-5.1%
37.0%	30	29	0	-1.3%
38.3%	30	29	0	-1.4%
39.5%	30	29	0	-0.8%
40.7%	29	29	0	-0.4%
42.0%	29	29	0	-0.4%
43.2%	29	29	0	-1.5%
44.4%	29	29	0	-1.5%
45.7%	29	29	0	-1.3%
46.9%	29	29	0	-0.6%
48.1%	29	29	0	-0.4%
49.4%	29	29	0	-0.3%
50.6%	29	28	0	-0.4%
51.9%	29	28	0	-0.4%
53.1%	29	28	0	-0.3%
54.3%	28	28	0	-0.1%
55.6%	28	28	0	0.0%
56.8%	28	28	0	0.0%
58.0%	28	28	0	0.0%
59.3%	28	28	0	0.0%
60.5%	28	28	0	0.2%
61.7%	28	28	0	0.1%
63.0%	28	28	0	0.2%
64.2%	28	28	0	0.1%
65.4%	28	28	0	0.2%
66.7%	28	28	0	0.0%
67.9%	28	28	0	0.4%
69.1%	28	28	0	0.3%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.5%
72.8%	28	28	0	0.3%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.3%
76.5%	28	28	0	0.5%
77.8%	28	28	0	-0.1%
79.0%	28	28	0	0.0%
80.2%	28	28	0	0.1%
81.5%	28	28	0	-0.1%
82.7%	28	28	0	0.0%
84.0%	27	27	0	0.4%
85.2%	27	27	0	0.0%
86.4%	27	27	0	0.0%
87.7%	27	27	0	0.2%
88.9%	27	27	0	0.6%
90.1%	27	27	0	0.1%
91.4%	26	27	0	0.3%
92.6%	26	26	0	0.9%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.4%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	-0.2%
1.2%	41	41	-1	-1.5%
2.5%	41	41	-1	-1.3%
3.7%	40	40	0	0.0%
4.9%	40	39	-1	-1.7%
6.2%	40	38	-1	-3.8%
7.4%	38	38	0	-0.9%
8.6%	38	36	-2	-5.7%
9.9%	36	35	-1	-2.9%
11.1%	36	35	-1	-2.1%
12.3%	35	35	0	-1.4%
13.6%	35	34	-1	-3.3%
14.8%	35	34	-1	-2.5%
16.0%	35	33	-2	-5.2%
17.3%	34	33	-1	-3.4%
18.5%	32	32	0	0.0%
19.8%	32	31	-1	-3.7%
21.0%	32	31	-1	-2.8%
22.2%	32	31	-1	-3.9%
23.5%	31	30	-1	-2.5%
24.7%	31	30	-1	-2.2%
25.9%	31	30	0	-1.6%
27.2%	31	30	-1	-2.8%
28.4%	29	29	0	0.4%
29.6%	29	29	0	0.1%
30.9%	29	29	0	-0.4%
32.1%	29	29	0	-0.9%
33.3%	29	29	0	-0.6%
34.6%	29	29	0	0.0%
35.8%	29	29	0	0.2%
37.0%	29	29	0	0.3%
38.3%	29	29	0	0.3%
39.5%	28	29	0	0.3%
40.7%	28	29	0	0.5%
42.0%	28	28	0	0.5%
43.2%	28	28	0	0.3%
44.4%	28	28	0	0.2%
45.7%	28	28	0	0.2%
46.9%	28	28	0	0.2%
48.1%	28	28	0	0.2%
49.4%	28	28	0	0.1%
50.6%	28	28	0	0.2%
51.9%	28	28	0	0.2%
53.1%	28	28	0	0.1%
54.3%	28	28	0	0.1%
55.6%	28	28	0	0.1%
56.8%	28	28	0	0.6%
58.0%	28	28	0	0.6%
59.3%	28	28	0	1.2%
60.5%	28	28	0	1.2%
61.7%	28	28	0	1.1%
63.0%	28	28	0	1.2%
64.2%	28	28	0	1.2%
65.4%	28	28	0	1.1%
66.7%	28	28	0	0.6%
67.9%	28	28	0	0.8%
69.1%	28	28	0	0.7%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	27	28	0	1.2%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.1%
76.5%	27	28	0	1.3%
77.8%	27	27	0	1.8%
79.0%	27	27	0	0.8%
80.2%	27	27	0	0.3%
81.5%	27	27	0	0.3%
82.7%	27	27	0	0.5%
84.0%	27	27	0	0.5%
85.2%	27	27	0	1.1%
86.4%	27	27	0	1.3%
87.7%	27	27	0	1.1%
88.9%	26	27	0	0.9%
90.1%	26	27	0	0.6%
91.4%	26	26	0	0.1%
92.6%	26	26	0	0.1%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

Table SW-56-5b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	0.0%
1.2%	38	38	0	-0.2%
2.5%	34	33	-2	-4.8%
3.7%	32	33	1	3.1%
4.9%	31	32	1	2.8%
6.2%	31	32	1	2.6%
7.4%	31	32	1	3.1%
8.6%	31	32	1	2.8%
9.9%	31	31	1	1.9%
11.1%	31	31	1	2.0%
12.3%	30	31	1	2.1%
13.6%	30	31	1	2.3%
14.8%	30	31	1	2.3%
16.0%	30	31	1	2.6%
17.3%	30	30	1	2.1%
18.5%	30	30	1	2.5%
19.8%	30	30	1	2.4%
21.0%	30	30	1	2.6%
22.2%	29	30	1	2.7%
23.5%	29	30	1	3.0%
24.7%	29	30	1	3.3%
25.9%	29	30	1	3.7%
27.2%	29	30	1	3.9%
28.4%	29	30	1	4.4%
29.6%	29	30	1	3.4%
30.9%	29	30	1	3.1%
32.1%	29	30	1	3.3%
33.3%	29	29	1	2.7%
34.6%	29	29	1	2.4%
35.8%	29	29	1	2.3%
37.0%	29	29	1	2.2%
38.3%	29	29	1	2.2%
39.5%	28	29	1	2.5%
40.7%	28	29	1	2.2%
42.0%	28	29	1	1.9%
43.2%	28	29	1	1.9%
44.4%	28	29	1	1.8%
45.7%	28	29	1	1.9%
46.9%	28	29	1	1.9%
48.1%	28	29	1	1.9%
49.4%	28	29	0	1.7%
50.6%	28	29	0	1.7%
51.9%	28	29	0	1.6%
53.1%	28	29	0	1.6%
54.3%	28	29	0	1.5%
55.6%	28	29	0	1.3%
56.8%	28	29	0	1.3%
58.0%	28	29	0	1.4%
59.3%	28	29	0	1.4%
60.5%	28	29	0	1.3%
61.7%	28	29	0	1.3%
63.0%	28	29	0	1.3%
64.2%	28	29	0	1.3%
65.4%	28	29	0	1.3%
66.7%	28	29	0	1.2%
67.9%	28	28	0	1.0%
69.1%	28	28	0	0.9%
70.4%	28	28	0	0.9%
71.6%	28	28	0	0.7%
72.8%	28	28	1	1.8%
74.1%	28	28	1	1.8%
75.3%	28	28	1	1.8%
76.5%	28	28	0	1.7%
77.8%	28	28	1	1.9%
79.0%	28	28	1	2.0%
80.2%	28	28	1	2.1%
81.5%	28	28	1	2.3%
82.7%	28	28	1	2.3%
84.0%	28	28	1	2.1%
85.2%	27	28	1	3.0%
86.4%	27	28	1	3.6%
87.7%	27	28	1	3.8%
88.9%	27	28	1	3.7%
90.1%	27	28	1	3.7%
91.4%	27	28	1	3.8%
92.6%	27	28	1	4.0%
93.8%	26	28	1	4.9%
95.1%	26	28	1	4.6%
96.3%	26	28	1	4.8%
97.5%	26	27	1	4.1%
98.8%	26	27	1	3.3%
100.0%	26	27	1	3.2%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	35	35	0	0.3%
1.2%	34	35	1	2.8%
2.5%	32	35	2	7.5%
3.7%	32	35	2	7.4%
4.9%	32	35	3	8.0%
6.2%	32	35	2	7.6%
7.4%	32	35	3	7.9%
8.6%	32	34	2	7.5%
9.9%	32	34	2	6.4%
11.1%	32	34	2	6.5%
12.3%	32	34	2	6.7%
13.6%	32	34	2	6.8%
14.8%	32	34	2	6.8%
16.0%	32	34	2	6.5%
17.3%	32	34	2	6.3%
18.5%	32	34	2	6.3%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.3%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.6%
24.7%	31	33	2	6.5%
25.9%	31	33	2	5.9%
27.2%	31	33	2	5.9%
28.4%	31	33	2	5.8%
29.6%	31	33	2	5.7%
30.9%	31	33	2	5.4%
32.1%	31	32	2	5.2%
33.3%	31	32	2	5.1%
34.6%	31	32	1	4.8%
35.8%	31	32	1	4.7%
37.0%	31	32	1	4.4%
38.3%	31	32	1	4.8%
39.5%	31	32	1	4.3%
40.7%	31	32	1	4.4%
42.0%	31	32	1	4.5%
43.2%	31	32	1	4.3%
44.4%	30	32	1	4.7%
45.7%	30	32	2	5.1%
46.9%	30	31	1	4.9%
48.1%	30	31	1	4.9%
49.4%	30	31	1	5.0%
50.6%	30	31	1	4.9%
51.9%	30	31	1	4.9%
53.1%	30	31	1	4.7%
54.3%	30	31	1	3.8%
55.6%	30	31	1	3.9%
56.8%	30	31	1	4.2%
58.0%	29	31	1	4.1%
59.3%	29	31	1	4.9%
60.5%	29	31	1	4.7%
61.7%	29	31	1	4.8%
63.0%	29	31	2	5.4%
64.2%	29	30	2	5.4%
65.4%	29	30	1	5.0%
66.7%	29	30	1	4.9%
67.9%	29	30	1	4.9%
69.1%	29	30	1	4.6%
70.4%	29	30	1	4.4%
71.6%	29	30	1	4.7%
72.8%	29	30	1	4.7%
74.1%	29	30	1	4.7%
75.3%	28	30	1	4.9%
76.5%	28	30	2	5.4%
77.8%	28	30	1	5.0%
79.0%	28	30	1	4.9%
80.2%	28	30	1	4.9%
81.5%	28	29	1	4.1%
82.7%	28	29	1	4.0%
84.0%	28	29	1	4.0%
85.2%	28	29	1	3.7%
86.4%	28	29	1	3.4%
87.7%	28	29	1	3.4%
88.9%	28	29	1	2.7%
90.1%	28	29	1	2.5%
91.4%	28	29	1	2.7%
92.6%	28	29	1	2.2%
93.8%	27	29	1	4.3%
95.1%	27	28	1	4.2%
96.3%	27	28	1	4.3%
97.5%	27	28	1	5.3%
98.8%	27	28	2	6.1%
100.0%	26	28	2	8.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	34	1	2.8%
1.2%	33	33	1	2.0%
2.5%	32	33	1	2.4%
3.7%	32	33	1	1.7%
4.9%	32	33	1	2.3%
6.2%	32	32	1	1.7%
7.4%	32	32	1	1.8%
8.6%	32	32	0	1.3%
9.9%	32	32	0	0.7%
11.1%	31	32	0	0.8%
12.3%	31	31	1	2.3%
13.6%	30	31	1	2.7%
14.8%	30	31	1	1.8%
16.0%	30	31	1	1.9%
17.3%	30	31	1	1.9%
18.5%	30	31	1	2.0%
19.8%	30	31	1	2.1%
21.0%	30	30	1	1.9%
22.2%	30	30	0	1.3%
23.5%	30	30	0	1.4%
24.7%	30	30	0	1.2%
25.9%	30	30	0	1.7%
27.2%	30	30	1	1.8%
28.4%	30	30	1	1.9%
29.6%	29	30	1	2.2%
30.9%	29	30	1	1.9%
32.1%	29	30	1	2.1%
33.3%	29	30	1	1.9%
34.6%	29	30	0	1.6%
35.8%	29	30	1	2.1%
37.0%	29	30	1	2.6%
38.3%	29	30	1	2.5%
39.5%	29	30	1	2.6%
40.7%	29	29	1	2.9%
42.0%	29	29	1	2.7%
43.2%	29	29	1	2.7%
44.4%	28	29	1	3.1%
45.7%	28	29	1	3.6%
46.9%	28	29	1	3.6%
48.1%	28	29	1	3.7%
49.4%	28	29	1	3.5%
50.6%	28	29	1	3.4%
51.9%	28	29	1	3.1%
53.1%	28	29	1	3.0%
54.3%	28	29	1	3.1%
55.6%	28	29	1	3.1%
56.8%	28	29	1	2.6%
58.0%	28	29	1	2.2%
59.3%	28	29	1	1.9%
60.5%	28	29	0	1.5%
61.7%	28	29	0	1.5%
63.0%	28	28	0	1.3%
64.2%	28	28	0	1.1%
65.4%	28	28	0	1.1%
66.7%	28	28	0	1.0%
67.9%	28	28	0	0.8%
69.1%	28	28	0	0.8%
70.4%	28	28	0	0.8%
71.6%	28	28	0	0.6%
72.8%	28	28	0	0.6%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.4%
77.8%	28	28	0	0.4%
79.0%	28	28	0	0.4%
80.2%	28	28	0	0.4%
81.5%	28	28	0	0.9%
82.7%	28	28	1	2.2%
84.0%	27	28	1	2.2%
85.2%	27	28	1	2.3%
86.4%	27	28	1	2.2%
87.7%	27	28	1	2.2%
88.9%	27	28	1	2.3%
90.1%	27	28	1	2.6%
91.4%	27	28	1	3.8%
92.6%	27	28	1	3.0%
93.8%	27	28	1	3.1%
95.1%	27	27	1	2.6%
96.3%	26	27	1	5.1%
97.5%	26	27	1	5.3%
98.8%	26	27	1	5.4%
100.0%	26	27	1	5.5%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.9%
4.9%	37	38	1	1.9%
6.2%	37	38	2	4.2%
7.4%	36	38	2	4.7%
8.6%	36	38	2	5.0%
9.9%	36	38	2	5.2%
11.1%	36	38	2	5.5%
12.3%	36	38	2	5.8%
13.6%	36	37	1	2.1%
14.8%	36	37	1	1.8%
16.0%	36	36	1	1.5%
17.3%	36	36	1	1.6%
18.5%	35	36	1	2.9%
19.8%	35	36	1	2.4%
21.0%	35	36	1	2.4%
22.2%	35	36	1	2.7%
23.5%	35	36	1	3.3%
24.7%	35	36	1	3.0%
25.9%	34	36	1	3.9%
27.2%	34	36	1	4.1%
28.4%	34	35	1	3.5%
29.6%	33	34	0	0.6%
30.9%	33	33	0	1.3%
32.1%	33	33	1	1.6%
33.3%	33	33	1	1.5%
34.6%	32	33	0	1.0%
35.8%	32	33	1	1.9%
37.0%	32	32	1	1.7%
38.3%	32	32	0	1.0%
39.5%	31	32	1	2.5%
40.7%	31	32	1	3.5%
42.0%	30	32	1	4.7%
43.2%	30	32	1	4.7%
44.4%	30	32	2	5.7%
45.7%	30	31	2	6.4%
46.9%	30	31	2	6.0%
48.1%	29	31	2	5.8%
49.4%	29	31	2	5.3%
50.6%	29	31	2	5.5%
51.9%	29	31	2	5.2%
53.1%	29	30	1	4.8%
54.3%	29	30	1	4.1%
55.6%	29	30	1	4.1%
56.8%	29	30	1	4.2%
58.0%	29	30	1	4.2%
59.3%	29	30	1	4.3%
60.5%	29	30	1	4.1%
61.7%	29	30	1	4.0%
63.0%	29	30	1	3.9%
64.2%	29	30	1	3.6%
65.4%	29	29	1	3.3%
66.7%	28	29	1	3.3%
67.9%	28	29	1	3.0%
69.1%	28	29	1	3.2%
70.4%	28	29	1	2.9%
71.6%	28	29	1	3.0%
72.8%	28	29	1	3.0%
74.1%	28	29	1	3.1%
75.3%	28	29	1	3.0%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.5%
79.0%	28	29	1	3.5%
80.2%	28	29	1	4.2%
81.5%	28	29	1	4.1%
82.7%	27	29	1	4.2%
84.0%	27	29	1	4.1%
85.2%	27	29	1	4.6%
86.4%	27	28	1	4.3%
87.7%	27	28	1	4.7%
88.9%	27	28	1	5.2%
90.1%	27	28	1	5.2%
91.4%	27	28	1	5.1%
92.6%	27	28	2	5.6%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.1%
96.3%	26	27	1	5.2%
97.5%	26	27	1	5.1%
98.8%	26	27	2	5.9%
100.0%	26	27	1	4.9%

Table SW-57-5a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative B	74	74	74	75	75	76	74	74	75	77	76	76
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.2%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative B	75	75	75	77	78	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	-0.1%	-0.4%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.1%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative B	75	74	74	74	75	77	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-0.5%	-0.1%	0.0%	0.2%	0.0%	0.1%	0.5%	0.0%	-0.1%	0.2%
Below Normal (17%)												
No Action Alternative	74	74	74	74	74	74	73	73	74	77	76	74
Alternative B	74	74	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	0.4%	-0.1%	0.4%	0.0%	0.0%	0.0%	0.3%	-0.1%	-0.2%	0.0%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative B	74	73	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.4%	-0.3%	-0.1%	0.5%	0.5%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative B	73	73	74	73	73	73	73	73	74	76	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.1%	0.1%	0.0%	-0.1%	0.1%	-0.3%	-0.2%	-0.4%	-0.1%	0.4%	0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

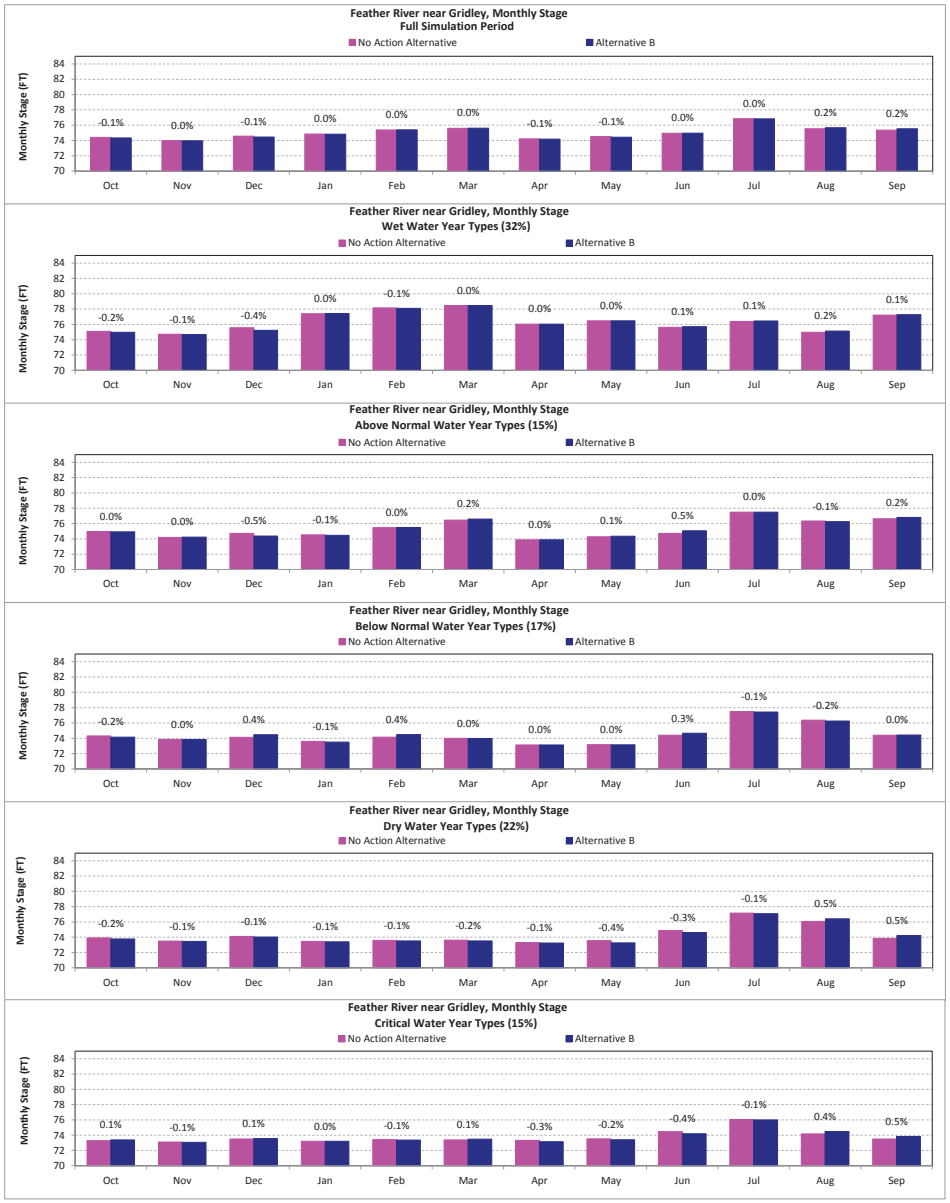

Figure SW-57-5b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

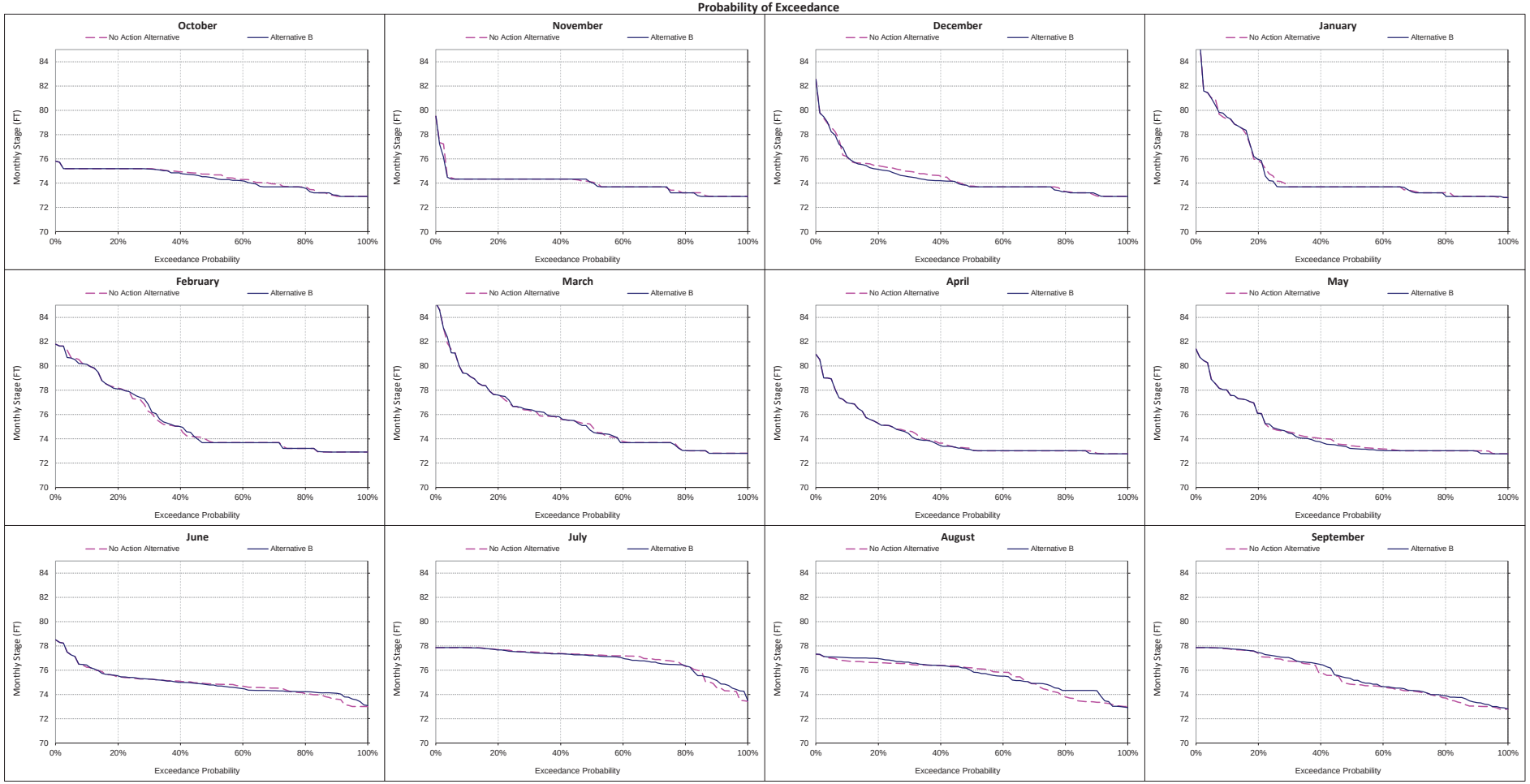

Table SW-57-5b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	-0.1%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	-0.1%
35.8%	75	75	0	0.0%
37.0%	75	75	0	-0.2%
38.3%	75	75	0	-0.2%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.2%
42.0%	75	75	0	-0.2%
43.2%	75	75	0	-0.2%
44.4%	75	75	0	-0.2%
45.7%	75	75	0	-0.3%
46.9%	75	75	0	-0.3%
48.1%	75	75	0	-0.3%
49.4%	75	74	0	-0.3%
50.6%	75	74	0	-0.3%
51.9%	75	74	0	-0.5%
53.1%	75	74	0	-0.5%
54.3%	74	74	0	-0.2%
55.6%	74	74	0	-0.2%
56.8%	74	74	0	-0.2%
58.0%	74	74	0	-0.1%
59.3%	74	74	0	-0.1%
60.5%	74	74	0	-0.2%
61.7%	74	74	0	-0.4%
63.0%	74	74	0	-0.2%
64.2%	74	74	0	-0.2%
65.4%	74	74	0	-0.4%
66.7%	74	74	0	-0.5%
67.9%	74	74	0	-0.5%
69.1%	74	74	0	-0.3%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	-0.1%
80.2%	74	74	0	-0.2%
81.5%	73	73	0	-0.3%
82.7%	73	73	0	-0.3%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.2%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.1%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	76	-1	-1.4%
3.7%	74	74	0	0.0%
4.9%	74	74	0	-0.1%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.1%
46.9%	74	74	0	0.2%
48.1%	74	74	0	0.2%
49.4%	74	74	0	0.0%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	-0.3%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.1%
75.3%	73	73	0	-0.3%
76.5%	73	73	0	-0.3%
77.8%	73	73	0	-0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	-0.3%
85.2%	73	73	0	-0.4%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	0.0%
2.5%	79	79	0	0.1%
3.7%	79	79	0	0.1%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	77	0	-0.5%
8.6%	76	77	1	0.8%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.2%
12.3%	76	76	0	0.1%
13.6%	76	76	0	-0.1%
14.8%	76	76	0	-0.1%
16.0%	76	75	0	-0.2%
17.3%	76	75	0	-0.4%
18.5%	75	75	0	-0.4%
19.8%	75	75	0	-0.4%
21.0%	75	75	0	-0.4%
22.2%	75	75	0	-0.4%
23.5%	75	75	0	-0.3%
24.7%	75	75	0	-0.5%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.6%
28.4%	75	75	0	-0.5%
29.6%	75	75	0	-0.6%
30.9%	75	74	0	-0.6%
32.1%	75	74	0	-0.6%
33.3%	75	74	0	-0.6%
34.6%	75	74	0	-0.6%
35.8%	75	74	0	-0.6%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.6%
40.7%	74	74	0	-0.4%
42.0%	74	74	0	-0.4%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	-0.2%
46.9%	74	74	0	-0.1%
48.1%	74	74	0	0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	73	0	-0.3%
77.8%	74	73	0	-0.3%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	0.0%
81.5%	73	73	0	-0.1%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.2%
90.1%	73	73	0	0.2%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	0.0%
4.9%	81	81	0	0.0%
6.2%	81	80	-1	-0.6%
7.4%	80	80	0	0.2%
8.6%	79	80	0	0.4%
9.9%	79	79	0	0.2%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.4%
17.3%	77	77	0	0.0%
18.5%	76	76	0	0.3%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.3%
22.2%	75	75	-1	-0.8%
23.5%	75	74	-1	-0.8%
24.7%	75	74	0	-0.6%
25.9%	74	74	0	-0.6%
27.2%	74	74	0	-0.6%
28.4%	74	74	0	-0.4%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	73	74	0	0.3%
67.9%	73	73	0	0.0%
69.1%	73	73	0	-0.1%
70.4%	73	73	0	-0.1%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	-0.4%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.1%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-5b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	-1	-0.7%
4.9%	81	81	0	-0.1%
6.2%	81	81	0	-0.1%
7.4%	81	80	0	-0.4%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	0.0%
12.3%	80	80	0	0.1%
13.6%	80	80	0	0.0%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	-0.1%
19.8%	78	78	0	-0.1%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	77	78	0	0.5%
25.9%	77	78	0	0.3%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.6%
29.6%	76	77	1	0.7%
30.9%	76	76	0	0.1%
32.1%	76	76	0	0.6%
33.3%	75	76	0	0.3%
34.6%	75	75	0	0.3%
35.8%	75	75	0	0.2%
37.0%	75	75	0	0.1%
38.3%	75	75	0	0.0%
39.5%	75	75	0	0.0%
40.7%	75	75	0	0.6%
42.0%	74	75	0	0.4%
43.2%	74	75	0	0.4%
44.4%	74	74	0	0.0%
45.7%	74	74	0	-0.3%
46.9%	74	74	0	-0.6%
48.1%	74	74	0	-0.4%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	73	73	0	-0.2%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	82	1	0.6%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	0.0%
7.4%	80	80	0	0.0%
8.6%	79	79	0	-0.1%
9.9%	79	79	0	-0.1%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	77	78	0	0.1%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	76	77	0	0.2%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.1%
30.9%	76	76	0	0.2%
32.1%	76	76	0	0.0%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.4%
35.8%	76	76	0	0.1%
37.0%	76	76	0	0.0%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.0%
43.2%	75	76	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	-0.2%
48.1%	75	75	0	-0.2%
49.4%	75	75	0	-0.7%
50.6%	75	75	0	-0.5%
51.9%	75	74	0	-0.1%
53.1%	75	74	0	-0.1%
54.3%	74	74	0	0.2%
55.6%	74	74	0	0.3%
56.8%	74	74	0	0.1%
58.0%	74	74	0	0.0%
59.3%	74	74	0	-0.2%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	-0.2%
77.8%	73	73	0	-0.1%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.0%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	-0.1%
29.6%	75	74	0	-0.2%
30.9%	75	74	0	-0.6%
32.1%	74	74	0	-0.6%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	73	0	-0.2%
40.7%	74	73	0	-0.3%
42.0%	73	73	0	-0.1%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.0%
45.7%	73	73	0	-0.1%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	-0.3%
88.9%	73	73	0	-0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.4%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.0%
29.6%	75	74	0	-0.1%
30.9%	75	74	0	-0.1%
32.1%	74	74	0	-0.3%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.2%
35.8%	74	74	0	-0.2%
37.0%	74	74	0	-0.2%
38.3%	74	74	0	-0.4%
39.5%	74	74	0	-0.4%
40.7%	74	74	0	-0.5%
42.0%	74	74	0	-0.6%
43.2%	74	74	0	-0.6%
44.4%	74	74	0	-0.3%
45.7%	74	73	0	-0.2%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.2%
49.4%	73	73	0	-0.3%
50.6%	73	73	0	-0.3%
51.9%	73	73	0	-0.3%
53.1%	73	73	0	-0.3%
54.3%	73	73	0	-0.2%
55.6%	73	73	0	-0.2%
56.8%	73	73	0	-0.2%
58.0%	73	73	0	-0.2%
59.3%	73	73	0	-0.2%
60.5%	73	73	0	-0.2%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	-0.3%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-5b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	76	76	0	0.0%
8.6%	76	76	0	0.1%
9.9%	76	76	0	0.2%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.1%
13.6%	76	76	0	0.0%
14.8%	76	76	0	-0.2%
16.0%	76	76	0	0.1%
17.3%	76	76	0	0.0%
18.5%	76	76	0	0.0%
19.8%	75	76	0	0.1%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.1%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	0.0%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	-0.1%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.1%
42.0%	75	75	0	-0.1%
43.2%	75	75	0	-0.1%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.1%
46.9%	75	75	0	-0.1%
48.1%	75	75	0	-0.1%
49.4%	75	75	0	-0.1%
50.6%	75	75	0	-0.1%
51.9%	75	75	0	-0.2%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.2%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	-0.3%
58.0%	75	75	0	-0.2%
59.3%	75	74	0	-0.3%
60.5%	75	74	0	-0.3%
61.7%	75	74	0	-0.3%
63.0%	75	74	0	-0.3%
64.2%	75	74	0	-0.3%
65.4%	75	74	0	-0.3%
66.7%	75	74	0	-0.3%
67.9%	75	74	0	-0.3%
69.1%	75	74	0	-0.3%
70.4%	75	74	0	-0.3%
71.6%	75	74	0	-0.3%
72.8%	74	74	0	-0.3%
74.1%	74	74	0	-0.1%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.1%
80.2%	74	74	0	0.2%
81.5%	74	74	0	0.2%
82.7%	74	74	0	0.3%
84.0%	74	74	0	0.2%
85.2%	74	74	0	0.2%
86.4%	74	74	0	0.4%
87.7%	74	74	0	0.5%
88.9%	74	74	0	0.7%
90.1%	74	74	0	0.6%
91.4%	74	74	0	0.6%
92.6%	73	74	1	0.9%
93.8%	73	74	1	0.9%
95.1%	73	74	1	0.9%
96.3%	73	74	1	0.8%
97.5%	73	73	0	0.6%
98.8%	73	73	0	0.2%
100.0%	73	73	0	0.1%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	-0.1%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	-0.1%
23.5%	78	78	0	-0.1%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.0%
27.2%	78	78	0	-0.1%
28.4%	78	77	0	0.0%
29.6%	78	77	0	-0.1%
30.9%	78	77	0	-0.1%
32.1%	77	77	0	-0.1%
33.3%	77	77	0	-0.1%
34.6%	77	77	0	-0.1%
35.8%	77	77	0	0.0%
37.0%	77	77	0	-0.1%
38.3%	77	77	0	-0.1%
39.5%	77	77	0	-0.1%
40.7%	77	77	0	0.0%
42.0%	77	77	0	0.0%
43.2%	77	77	0	-0.1%
44.4%	77	77	0	-0.1%
45.7%	77	77	0	-0.1%
46.9%	77	77	0	0.0%
48.1%	77	77	0	0.0%
49.4%	77	77	0	-0.1%
50.6%	77	77	0	-0.1%
51.9%	77	77	0	-0.1%
53.1%	77	77	0	-0.1%
54.3%	77	77	0	-0.1%
55.6%	77	77	0	-0.1%
56.8%	77	77	0	-0.1%
58.0%	77	77	0	-0.1%
59.3%	77	77	0	-0.2%
60.5%	77	77	0	-0.3%
61.7%	77	77	0	-0.3%
63.0%	77	77	0	-0.4%
64.2%	77	77	0	-0.4%
65.4%	77	77	0	-0.5%
66.7%	77	77	0	-0.3%
67.9%	77	77	0	-0.3%
69.1%	77	77	0	-0.3%
70.4%	77	77	0	-0.3%
71.6%	77	77	0	-0.4%
72.8%	77	77	0	-0.4%
74.1%	77	76	0	-0.4%
75.3%	77	76	0	-0.4%
76.5%	77	76	0	-0.3%
77.8%	77	76	0	-0.3%
79.0%	76	76	0	0.0%
80.2%	76	76	0	0.0%
81.5%	76	76	0	0.0%
82.7%	76	76	0	-0.3%
84.0%	76	76	0	-0.6%
85.2%	76	76	0	-0.5%
86.4%	75	75	0	0.5%
87.7%	75	75	0	0.5%
88.9%	75	75	0	0.5%
90.1%	75	75	1	0.8%
91.4%	75	75	0	0.5%
92.6%	74	75	1	0.7%
93.8%	74	75	0	0.6%
95.1%	74	75	0	0.3%
96.3%	74	74	0	0.2%
97.5%	74	74	1	1.1%
98.8%	73	74	1	1.1%
100.0%	73	73	0	0.1%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	0.0%
2.5%	77	77	0	0.0%
3.7%	77	77	0	0.1%
4.9%	77	77	0	0.1%
6.2%	77	77	0	0.2%
7.4%	77	77	0	0.3%
8.6%	77	77	0	0.3%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.4%
12.3%	77	77	0	0.4%
13.6%	77	77	0	0.4%
14.8%	77	77	0	0.4%
16.0%	77	77	0	0.4%
17.3%	77	77	0	0.4%
18.5%	77	77	0	0.5%
19.8%	77	77	0	0.4%
21.0%	77	77	0	0.4%
22.2%	77	77	0	0.3%
23.5%	77	77	0	0.4%
24.7%	77	77	0	0.3%
25.9%	77	77	0	0.2%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.1%
29.6%	77	77	0	0.2%
30.9%	76	77	0	0.2%
32.1%	76	77	0	0.2%
33.3%	76	76	0	0.1%
34.6%	76	76	0	0.1%
35.8%	76	76	0	0.0%
37.0%	76	76	0	0.0%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.0%
40.7%	76	76	0	0.0%
42.0%	76	76	0	-0.1%
43.2%	76	76	0	-0.1%
44.4%	76	76	0	-0.1%
45.7%	76	76	0	-0.1%
46.9%	76	76	0	-0.1%
48.1%	76	76	0	-0.1%
49.4%	76	76	0	-0.2%
50.6%	76	76	0	-0.5%
51.9%	76	76	0	-0.4%
53.1%	76	76	0	-0.5%
54.3%	76	76	0	-0.5%
55.6%	76	76	0	-0.5%
56.8%	76	76	0	-0.4%
58.0%	76	76	0	-0.4%
59.3%	76	76	0	-0.4%
60.5%	76	76	0	-0.4%
61.7%	76	75	0	-0.5%
63.0%	76	75	0	-0.5%
64.2%	75	75	0	-0.4%
65.4%	75	75	0	-0.4%
66.7%	75	75	0	-0.1%
67.9%	75	75	0	0.0%
69.1%	75	75	0	0.0%
70.4%	75	75	0	0.0%
71.6%	75	75	0	0.4%
72.8%	74	75	0	0.6%
74.1%	74	75	0	0.6%
75.3%	74	75	0	0.6%
76.5%	74	75	0	0.4%
77.8%	74	75	0	0.5%
79.0%	74	74	0	0.6%
80.2%	74	74	1	0.7%
81.5%	74	74	1	0.9%
82.7%	74	74	1	0.9%
84.0%	73	74	1	1.2%
85.2%	73	74	1	1.2%
86.4%	73	74	1	1.3%
87.7%	73	74	1	1.3%
88.9%	73	74	1	1.3%
90.1%	73	74	1	1.3%
91.4%	73	74	1	0.7%
92.6%	73	73	0	0.2%
93.8%	73	73	0	0.2%
95.1%	73	73	0	-0.2%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	-0.1%
98.8%	73	73	0	-0.1%
100.0%	73	73	0	-0.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.1%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.1%
13.6%	78	78	0	0.1%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	77	77	0	0.0%
21.0%	77	77	0	0.4%
22.2%	77	77	0	0.3%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.3%
25.9%	77	77	0	0.2%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.4%
29.6%	77	77	0	0.4%
30.9%	77	77	0	0.3%
32.1%	77	77	0	0.1%
33.3%	77	77	0	0.0%
34.6%	77	77	0	0.2%
35.8%	77	77	0	0.2%
37.0%	76	77	0	0.2%
38.3%	76	77	0	0.2%
39.5%	76	76	1	1.0%
40.7%	76	76	1	0.9%
42.0%	76	76	1	0.9%
43.2%	76	76	1	0.8%
44.4%	76	76	0	0.1%
45.7%	76	76	0	0.0%
46.9%	75	75	0	0.6%
48.1%	75	75	0	0.6%
49.4%	75	75	0	0.6%
50.6%	75	75	0	0.5%
51.9%	75	75	0	0.5%
53.1%	75	75	0	0.3%
54.3%	75	75	0	0.3%
55.6%	75	75	0	0.3%
56.8%	75	75	0	0.2%
58.0%	75	75	0	0.2%
59.3%	75	75	0	0.0%
60.5%	75	75	0	0.1%
61.7%	75	75	0	0.1%
63.0%	75	75	0	0.1%
64.2%	74	75	0	0.2%
65.4%	74	75	0	0.2%
66.7%	74	74	0	0.2%
67.9%	74	74	0	0.1%
69.1%	74	74	0	0.1%
70.4%	74	74	0	0.1%
71.6%	74	74	0	0.1%
72.8%	74	74	0	0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.2%
80.2%	74	74	0	0.3%
81.5%	73	74	0	0.4%
82.7%	73	74	0	0.4%
84.0%	73	74	0	0.5%
85.2%	73	74	0	0.6%
86.4%	73	74	0	0.7%
87.7%	73	73	0	0.6%
88.9%	73	73	0	0.5%
90.1%	73	73	0	0.4%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.3%
93.8%	73	73	0	0.2%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.2%
98.8%	73	73	0	0.2%
100.0%	73	73	0	0.0%

Table SW-58-5a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative B	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	2.2%	0.6%	0.9%	0.7%	0.0%	0.5%	0.5%	0.6%	-0.8%	-2.9%	1.3%	-1.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative B	5	6	6	9	9	7	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.7%	0.5%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	-0.1%	-1.1%	1.5%	-3.1%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative B	5	6	6	6	8	7	6	6	6	7	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	-0.2%	1.4%	1.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-1.4%	0.6%	-1.9%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative B	5	6	6	5	6	5	6	6	5	7	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	1.0%	0.4%	1.6%	-1.4%	0.0%	1.0%	1.3%	0.4%	-6.6%	3.4%	3.4%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative B	5	5	6	5	5	5	5	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	1.1%	1.8%	2.5%	-1.5%	1.2%	2.0%	-0.7%	1.1%	-1.2%	-4.2%	-0.3%	0.2%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative B	4	4	4	5	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.6%	-0.8%	-0.4%	3.6%	0.1%	0.9%	4.5%	2.3%	-5.4%	-0.9%	1.6%	-4.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

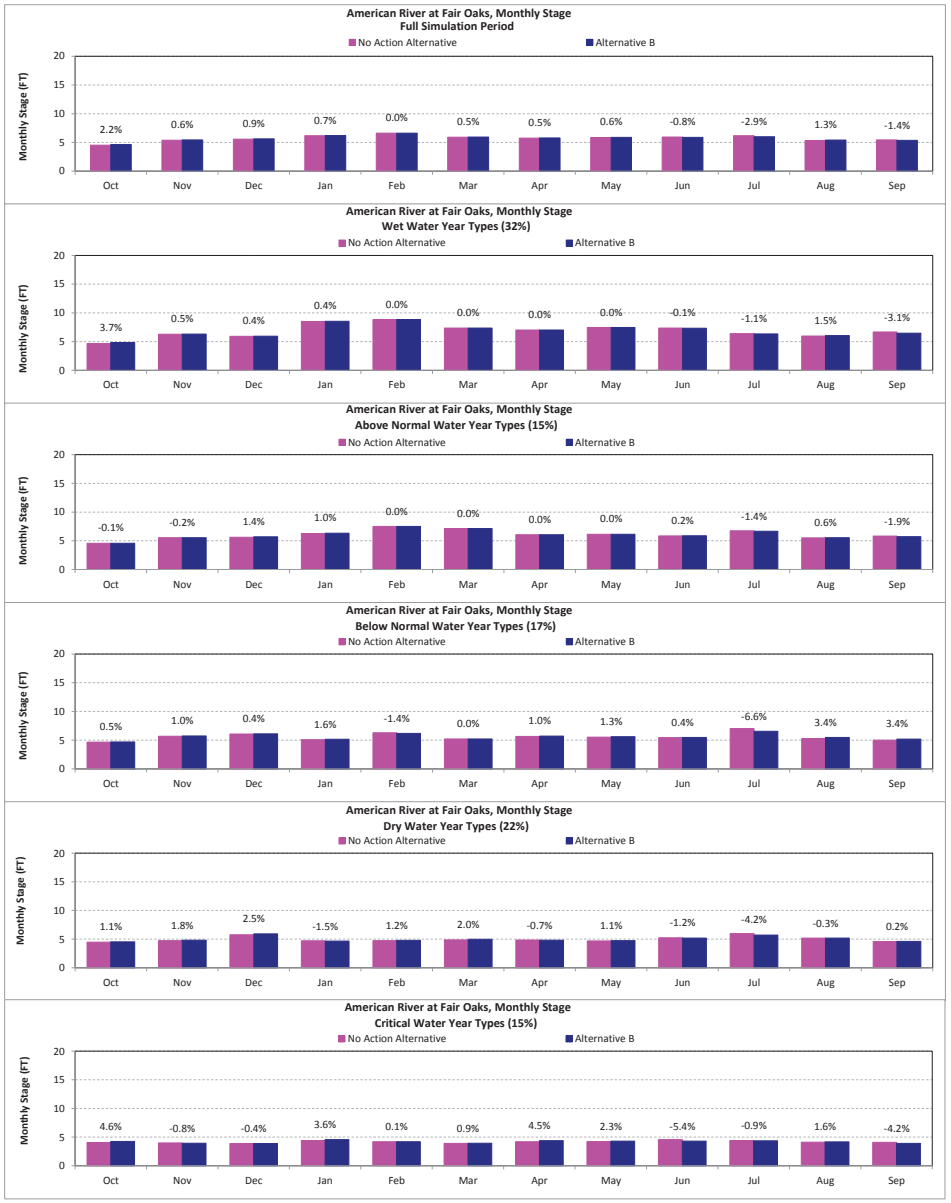

Figure SW-58-5b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

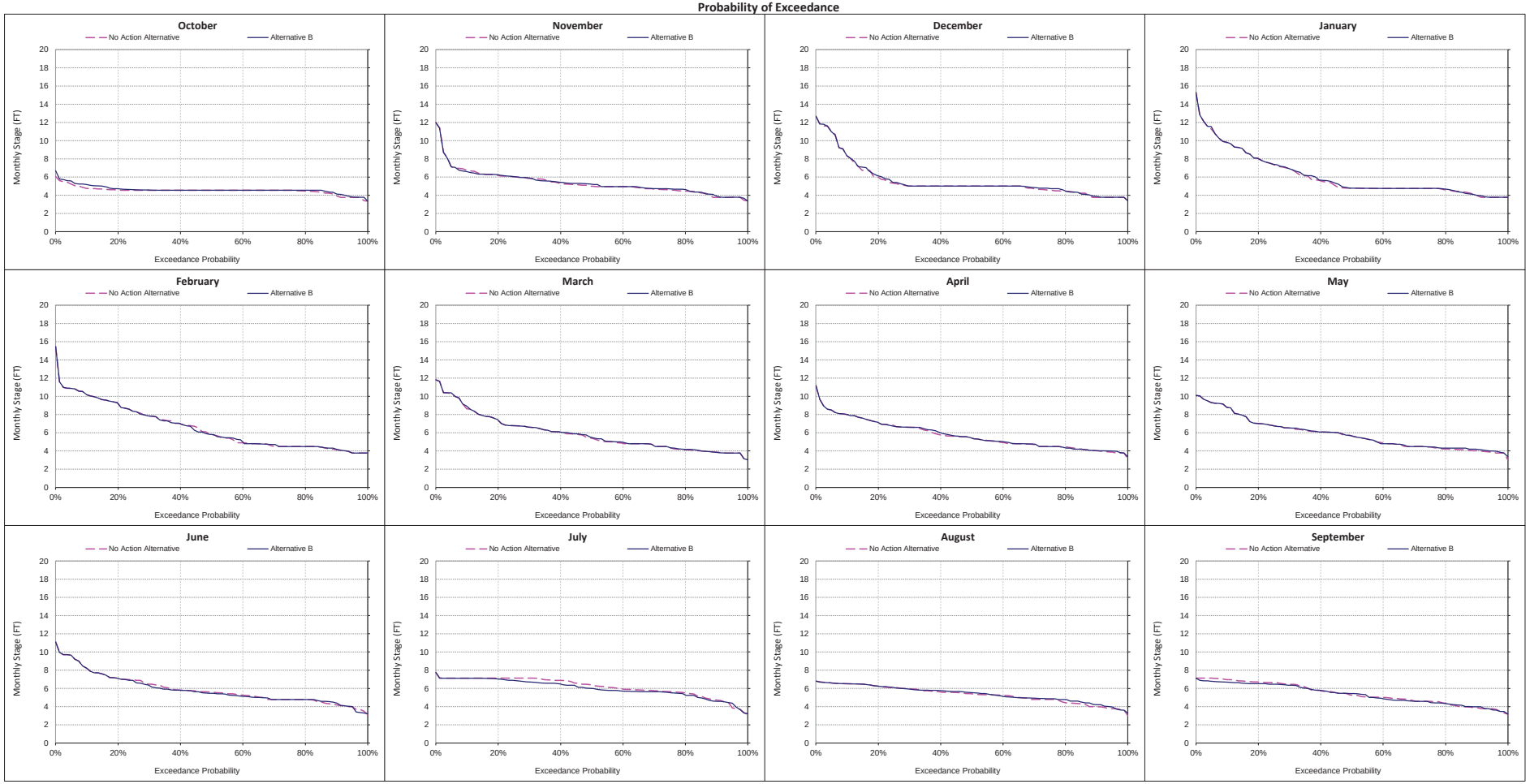

Table SW-58-5b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	7	1	10.3%
1.2%	6	6	0	3.3%
2.5%	5	6	0	4.2%
3.7%	5	6	0	3.2%
4.9%	5	6	0	6.5%
6.2%	5	5	0	4.8%
7.4%	5	5	0	4.4%
8.6%	5	5	0	7.4%
9.9%	5	5	0	8.7%
11.1%	5	5	0	8.0%
12.3%	5	5	0	6.8%
13.6%	5	5	0	7.3%
14.8%	5	5	0	7.0%
16.0%	5	5	0	6.2%
17.3%	5	5	0	3.3%
18.5%	5	5	0	2.6%
19.8%	5	5	0	2.9%
21.0%	5	5	0	3.1%
22.2%	5	5	0	2.2%
23.5%	5	5	0	1.7%
24.7%	5	5	0	1.5%
25.9%	5	5	0	1.2%
27.2%	5	5	0	1.0%
28.4%	5	5	0	0.5%
29.6%	5	5	0	0.4%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.3%
79.0%	4	5	0	1.6%
80.2%	4	5	0	2.0%
81.5%	4	5	0	2.5%
82.7%	4	5	0	2.9%
84.0%	4	5	0	4.2%
85.2%	4	5	0	4.9%
86.4%	4	4	0	4.6%
87.7%	4	4	0	3.1%
88.9%	4	4	0	4.0%
90.1%	4	4	0	5.4%
91.4%	4	4	0	8.5%
92.6%	4	4	0	6.2%
93.8%	4	4	0	3.3%
95.1%	4	4	0	1.2%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	10.7%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	-0.1%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	-0.7%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.7%
7.4%	7	7	0	-2.9%
8.6%	7	7	0	-3.5%
9.9%	7	7	0	-2.3%
11.1%	7	7	0	-2.5%
12.3%	7	6	0	-3.1%
13.6%	6	6	0	-1.8%
14.8%	6	6	0	-0.8%
16.0%	6	6	0	0.3%
17.3%	6	6	0	0.2%
18.5%	6	6	0	0.6%
19.8%	6	6	0	1.0%
21.0%	6	6	0	1.4%
22.2%	6	6	0	0.2%
23.5%	6	6	0	0.4%
24.7%	6	6	0	0.5%
25.9%	6	6	0	0.2%
27.2%	6	6	0	0.3%
28.4%	6	6	0	0.0%
29.6%	6	6	0	0.9%
30.9%	6	6	0	0.0%
32.1%	6	6	0	-2.6%
33.3%	6	6	0	-3.4%
34.6%	6	6	0	-3.0%
35.8%	6	6	0	0.0%
37.0%	5	6	0	1.2%
38.3%	5	5	0	0.8%
39.5%	5	5	0	2.0%
40.7%	5	5	0	3.4%
42.0%	5	5	0	2.0%
43.2%	5	5	0	2.4%
44.4%	5	5	0	1.9%
45.7%	5	5	0	2.6%
46.9%	5	5	0	3.6%
48.1%	5	5	0	3.1%
49.4%	5	5	0	4.7%
50.6%	5	5	0	4.4%
51.9%	5	5	0	4.6%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	2.1%
65.4%	5	5	0	1.1%
66.7%	5	5	0	1.8%
67.9%	5	5	0	1.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	1.7%
71.6%	5	5	0	1.8%
72.8%	5	5	0	2.2%
74.1%	5	5	0	2.4%
75.3%	5	5	0	2.4%
76.5%	5	5	0	2.6%
77.8%	4	5	0	3.9%
79.0%	4	5	0	4.2%
80.2%	4	5	0	3.2%
81.5%	4	4	0	0.1%
82.7%	4	4	0	-1.3%
84.0%	4	4	0	0.2%
85.2%	4	4	0	1.7%
86.4%	4	4	0	-1.9%
87.7%	4	4	0	3.3%
88.9%	4	4	0	8.5%
90.1%	4	4	0	3.3%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	6.0%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	-0.1%
1.2%	12	12	0	0.0%
2.5%	12	12	0	1.7%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-1.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	-0.1%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	2.7%
13.6%	7	7	0	-0.2%
14.8%	7	7	0	5.4%
16.0%	7	7	0	4.4%
17.3%	7	7	0	-1.7%
18.5%	6	6	0	5.0%
19.8%	6	6	0	2.0%
21.0%	6	6	0	5.2%
22.2%	6	6	0	2.1%
23.5%	5	6	0	6.3%
24.7%	5	5	0	1.3%
25.9%	5	5	0	2.6%
27.2%	5	5	0	2.5%
28.4%	5	5	0	1.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	1.1%
67.9%	5	5	0	3.0%
69.1%	5	5	0	1.6%
70.4%	5	5	0	3.3%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.4%
74.1%	5	5	0	4.5%
75.3%	5	5	0	3.5%
76.5%	4	5	0	5.0%
77.8%	4	5	0	5.2%
79.0%	4	5	0	3.7%
80.2%	4	4	0	0.1%
81.5%	4	4	0	-1.3%
82.7%	4	4	0	0.2%
84.0%	4	4	0	1.7%
85.2%	4	4	0	-2.4%
86.4%	4	4	0	-3.2%
87.7%	4	4	0	4.0%
88.9%	4	4	0	3.3%
90.1%	4	4	0	2.8%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	12	12	0	0.3%
4.9%	11	12	0	2.6%
6.2%	11	11	0	0.0%
7.4%	10	10	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.4%
11.1%	10	10	0	0.0%
12.3%	9	9	0	0.0%
13.6%	9	9	0	0.0%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	8	8	0	-0.1%
19.8%	8	8	0	-0.4%
21.0%	8	8	0	0.0%
22.2%	8	8	0	0.2%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	2.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	1.1%
29.6%	7	7	0	-0.1%
30.9%	7	7	0	0.0%
32.1%	7	7	0	1.9%
33.3%	6	7	0	4.6%
34.6%	6	6	0	1.2%
35.8%	6	6	0	0.5%
37.0%	6	6	0	7.1%
38.3%	6	6	0	5.6%
39.5%	6	6	0	0.6%
40.7%	5	6	0	2.4%
42.0%	5	6	0	2.8%
43.2%	5	6	0	2.4%
44.4%	5	5	0	4.9%
45.7%	5	5	0	7.6%
46.9%	5	5	0	1.9%
48.1%	5	5	0	1.8%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	5	5	0	0.4%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	1.5%
80.2%	5	5	0	2.0%
81.5%	5	5	0	0.9%
82.7%	4	5	0	2.2%
84.0%	4	4	0	-1.1%
85.2%	4	4	0	-2.1%
86.4%	4	4	0	-2.7%
87.7%	4	4	0	-2.5%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	4.5%
92.6%	4	4	0	2.1%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

Table SW-58-5b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	0.0%
2.5%	11	11	0	0.0%
3.7%	11	11	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	0.0%
7.4%	11	11	0	-0.3%
8.6%	11	11	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	-0.4%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	-1.2%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	-0.5%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.7%
38.3%	7	7	0	0.1%
39.5%	7	7	0	0.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	-0.5%
43.2%	7	7	0	-1.0%
44.4%	7	6	0	-6.2%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-2.8%
49.4%	6	6	0	0.3%
50.6%	6	6	0	0.4%
51.9%	6	6	0	-1.7%
53.1%	5	6	0	1.0%
54.3%	5	5	0	0.8%
55.6%	5	5	0	0.9%
56.8%	5	5	0	3.4%
58.0%	5	5	0	7.7%
59.3%	5	5	0	7.0%
60.5%	5	5	0	-1.7%
61.7%	5	5	0	-1.3%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-1.0%
67.9%	5	5	0	-0.1%
69.1%	5	5	0	3.1%
70.4%	4	5	0	4.5%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	1.3%
85.2%	4	4	0	0.4%
86.4%	4	4	0	0.8%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	1.0%
91.4%	4	4	0	0.9%
92.6%	4	4	0	-0.7%
93.8%	4	4	0	0.7%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	10	0	0.3%
3.7%	10	10	0	0.1%
4.9%	10	10	0	0.7%
6.2%	10	10	0	0.0%
7.4%	10	10	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	3.4%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	0.0%
18.5%	8	8	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	-0.5%
25.9%	7	7	0	-0.2%
27.2%	7	7	0	-0.4%
28.4%	7	7	0	-0.1%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.0%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.0%
42.0%	6	6	0	2.2%
43.2%	6	6	0	0.8%
44.4%	6	6	0	1.1%
45.7%	6	6	0	1.6%
46.9%	6	6	0	0.7%
48.1%	6	6	0	4.3%
49.4%	5	6	0	1.8%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.0%
53.1%	5	5	0	4.7%
54.3%	5	5	0	1.3%
55.6%	5	5	0	0.7%
56.8%	5	5	0	0.6%
58.0%	5	5	0	2.1%
59.3%	5	5	0	2.1%
60.5%	5	5	0	2.3%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.2%
69.1%	5	5	0	0.0%
70.4%	5	4	0	-0.3%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.6%
75.3%	4	4	0	0.8%
76.5%	4	4	0	2.3%
77.8%	4	4	0	0.7%
79.0%	4	4	0	1.0%
80.2%	4	4	0	0.9%
81.5%	4	4	0	0.8%
82.7%	4	4	0	2.2%
84.0%	4	4	0	1.8%
85.2%	4	4	0	0.1%
86.4%	4	4	0	-0.2%
87.7%	4	4	0	0.2%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	-1.5%
91.4%	4	4	0	-0.7%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	9	9	0	0.0%
3.7%	9	9	0	0.0%
4.9%	9	9	0	0.0%
6.2%	8	8	0	0.0%
7.4%	8	8	0	0.1%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.2%
22.2%	7	7	0	-0.3%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.3%
25.9%	7	7	0	0.2%
27.2%	7	7	0	0.1%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.0%
33.3%	6	7	0	1.9%
34.6%	6	6	0	2.3%
35.8%	6	6	0	1.6%
37.0%	6	6	0	4.2%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	3.0%
42.0%	6	6	0	3.0%
43.2%	6	6	0	1.9%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.9%
46.9%	6	6	0	0.2%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.1%
53.1%	5	5	0	0.0%
54.3%	5	5	0	-1.0%
55.6%	5	5	0	0.3%
56.8%	5	5	0	0.9%
58.0%	5	5	0	0.1%
59.3%	5	5	0	2.0%
60.5%	5	5	0	2.1%
61.7%	5	5	0	3.2%
63.0%	5	5	0	0.6%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.4%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.4%
70.4%	5	5	0	1.1%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	-0.5%
80.2%	4	4	0	-2.7%
81.5%	4	4	0	-1.2%
82.7%	4	4	0	-2.7%
84.0%	4	4	0	-0.7%
85.2%	4	4	0	0.1%
86.4%	4	4	0	0.3%
87.7%	4	4	0	-0.6%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.3%
92.6%	4	4	0	2.2%
93.8%	4	4	0	2.7%
95.1%	4	4	0	2.1%
96.3%	4	4	0	4.9%
97.5%	4	4	0	1.6%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	0.0%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	7	7	0	0.1%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.0%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	6	7	0	0.5%
32.1%	6	7	0	1.9%
33.3%	6	6	0	0.0%
34.6%	6	6	0	1.5%
35.8%	6	6	0	1.2%
37.0%	6	6	0	0.9%
38.3%	6	6	0	0.6%
39.5%	6	6	0	-0.3%
40.7%	6	6	0	-0.2%
42.0%	6	6	0	0.0%
43.2%	6	6	0	-0.3%
44.4%	6	6	0	0.0%
45.7%	6	6	0	-0.3%
46.9%	6	6	0	1.1%
48.1%	6	6	0	0.0%
49.4%	6	6	0	-0.2%
50.6%	6	6	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.2%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	-2.8%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	3.0%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.7%
75.3%	4	4	0	-0.5%
76.5%	4	4	0	1.8%
77.8%	4	4	0	0.4%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.6%
82.7%	4	4	0	2.8%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	3.7%
88.9%	4	4	0	4.4%
90.1%	4	4	0	4.0%
91.4%	4	4	0	4.4%
92.6%	4	4	0	4.1%
93.8%	4	4	0	2.8%
95.1%	4	4	0	3.0%
96.3%	4	4	0	4.9%
97.5%	4	4	0	2.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.0%

Table SW-58-5b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.1%
18.5%	7	7	0	0.0%
19.8%	7	7	0	-0.1%
21.0%	7	7	0	-0.4%
22.2%	7	7	0	-0.4%
23.5%	7	7	0	-1.2%
24.7%	7	7	0	-1.2%
25.9%	7	7	0	-3.9%
27.2%	7	7	0	-4.6%
28.4%	7	6	0	-1.8%
29.6%	6	6	0	-1.4%
30.9%	6	6	0	-4.9%
32.1%	6	6	0	-4.8%
33.3%	6	6	0	-5.2%
34.6%	6	6	0	-3.3%
35.8%	6	6	0	-2.6%
37.0%	6	6	0	-1.6%
38.3%	6	6	0	-0.6%
39.5%	6	6	0	-0.1%
40.7%	6	6	0	-0.5%
42.0%	6	6	0	-0.3%
43.2%	6	6	0	-0.1%
44.4%	6	6	0	-2.1%
45.7%	6	6	0	-0.9%
46.9%	6	6	0	-1.9%
48.1%	6	6	0	-2.1%
49.4%	6	5	0	-2.6%
50.6%	6	5	0	-2.1%
51.9%	6	5	0	-2.1%
53.1%	6	5	0	-2.1%
54.3%	5	5	0	-1.3%
55.6%	5	5	0	-2.7%
56.8%	5	5	0	-3.2%
58.0%	5	5	0	-2.5%
59.3%	5	5	0	-2.8%
60.5%	5	5	0	-2.0%
61.7%	5	5	0	-2.3%
63.0%	5	5	0	-2.3%
64.2%	5	5	0	-1.6%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-0.4%
67.9%	5	5	0	3.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.0%
80.2%	5	5	0	0.4%
81.5%	5	5	0	0.5%
82.7%	5	5	0	1.5%
84.0%	5	5	0	2.9%
85.2%	5	5	0	2.0%
86.4%	4	5	0	4.6%
87.7%	4	5	0	5.4%
88.9%	4	5	0	5.9%
90.1%	4	4	0	4.6%
91.4%	4	4	0	0.1%
92.6%	4	4	0	0.0%
93.8%	4	4	0	1.1%
95.1%	4	4	0	0.5%
96.3%	4	3	0	-7.5%
97.5%	4	3	0	-9.2%
98.8%	3	3	0	-5.9%
100.0%	3	3	0	4.7%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	-0.3%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	-1.0%
19.8%	7	7	0	-1.5%
21.0%	7	7	0	-2.0%
22.2%	7	7	0	-2.5%
23.5%	7	7	0	-3.4%
24.7%	7	7	0	-3.5%
25.9%	7	7	0	-3.7%
27.2%	7	7	0	-5.2%
28.4%	7	7	0	-5.3%
29.6%	7	7	0	-5.6%
30.9%	7	7	0	-6.1%
32.1%	7	7	0	-6.4%
33.3%	7	7	0	-6.5%
34.6%	7	7	0	-5.4%
35.8%	7	7	0	-5.0%
37.0%	7	7	0	-5.0%
38.3%	7	7	0	-4.8%
39.5%	7	7	0	-5.5%
40.7%	7	6	0	-6.6%
42.0%	7	6	-1	-7.3%
43.2%	7	6	0	-6.1%
44.4%	7	6	0	-3.7%
45.7%	7	6	0	-6.7%
46.9%	6	6	0	-5.4%
48.1%	6	6	0	-6.5%
49.4%	6	6	0	-6.5%
50.6%	6	6	0	-5.2%
51.9%	6	6	0	-5.8%
53.1%	6	6	0	-6.2%
54.3%	6	6	0	-6.7%
55.6%	6	6	0	-5.1%
56.8%	6	6	0	-5.2%
58.0%	6	6	0	-4.1%
59.3%	6	6	0	-4.3%
60.5%	6	6	0	-3.3%
61.7%	6	6	0	-3.3%
63.0%	6	6	0	-3.7%
64.2%	6	6	0	-3.1%
65.4%	6	6	0	-3.3%
66.7%	6	6	0	-3.0%
67.9%	6	6	0	-2.8%
69.1%	6	6	0	-2.6%
70.4%	6	6	0	-1.9%
71.6%	6	6	0	-1.6%
72.8%	6	6	0	-1.2%
74.1%	6	6	0	-1.6%
75.3%	6	6	0	-2.2%
76.5%	6	5	0	-2.2%
77.8%	6	5	0	-2.2%
79.0%	6	5	0	-2.1%
80.2%	5	5	0	-4.6%
81.5%	5	5	0	-3.6%
82.7%	5	5	0	-2.9%
84.0%	5	5	0	-2.6%
85.2%	5	5	0	-3.4%
86.4%	5	5	0	-2.0%
87.7%	5	5	0	-3.2%
88.9%	5	5	0	-2.7%
90.1%	5	5	0	-3.1%
91.4%	5	5	0	-1.8%
92.6%	5	5	0	0.0%
93.8%	4	4	0	0.3%
95.1%	4	4	1	14.1%
96.3%	4	4	0	4.6%
97.5%	4	4	0	-0.8%
98.8%	3	3	0	-1.4%
100.0%	3	3	0	3.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-0.8%
2.5%	7	7	0	-0.1%
3.7%	7	7	0	-0.5%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	-0.1%
9.9%	7	7	0	-0.1%
11.1%	7	6	0	-0.3%
12.3%	6	6	0	-0.1%
13.6%	6	6	0	0.0%
14.8%	6	6	0	-0.2%
16.0%	6	6	0	0.0%
17.3%	6	6	0	-0.2%
18.5%	6	6	0	0.4%
19.8%	6	6	0	-0.5%
21.0%	6	6	0	0.9%
22.2%	6	6	0	1.1%
23.5%	6	6	0	0.6%
24.7%	6	6	0	0.5%
25.9%	6	6	0	-1.0%
27.2%	6	6	0	0.1%
28.4%	6	6	0	-0.4%
29.6%	6	6	0	-0.4%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-1.4%
33.3%	6	6	0	0.8%
34.6%	6	6	0	1.0%
35.8%	6	6	0	1.0%
37.0%	6	6	0	1.5%
38.3%	6	6	0	1.7%
39.5%	6	6	0	2.6%
40.7%	6	6	0	3.2%
42.0%	6	6	0	2.4%
43.2%	6	6	0	2.0%
44.4%	6	6	0	1.7%
45.7%	6	6	0	2.1%
46.9%	5	6	0	2.4%
48.1%	5	6	0	2.7%
49.4%	5	6	0	2.4%
50.6%	5	6	0	2.9%
51.9%	5	5	0	2.8%
53.1%	5	5	0	2.2%
54.3%	5	5	0	2.2%
55.6%	5	5	0	1.2%
56.8%	5	5	0	0.1%
58.0%	5	5	0	-1.0%
59.3%	5	5	0	-1.5%
60.5%	5	5	0	-2.5%
61.7%	5	5	0	-3.0%
63.0%	5	5	0	-1.8%
64.2%	5	5	0	0.0%
65.4%	5	5	0	-0.2%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.1%
69.1%	5	5	0	3.0%
70.4%	5	5	0	3.0%
71.6%	5	5	0	2.1%
72.8%	5	5	0	2.0%
74.1%	5	5	0	1.7%
75.3%	5	5	0	1.6%
76.5%	5	5	0	1.4%
77.8%	5	5	0	2.0%
79.0%	5	5	0	6.2%
80.2%	4	5	0	8.8%
81.5%	4	5	0	5.0%
82.7%	4	5	0	5.3%
84.0%	4	5	0	5.9%
85.2%	4	4	0	4.0%
86.4%	4	4	0	4.1%
87.7%	4	4	0	10.1%
88.9%	4	4	0	6.2%
90.1%	4	4	0	5.9%
91.4%	4	4	0	5.6%
92.6%	4	4	0	3.7%
93.8%	4	4	0	6.1%
95.1%	4	4	0	4.9%
96.3%	4	4	0	-1.1%
97.5%	4	4	0	-1.6%
98.8%	4	4	0	-0.3%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative B Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-3.4%
2.5%	7	7	0	-4.0%
3.7%	7	7	0	-4.2%
4.9%	7	7	0	-4.8%
6.2%	7	7	0	-5.0%
7.4%	7	7	0	-4.9%
8.6%	7	7	0	-5.0%
9.9%	7	7	0	-4.0%
11.1%	7	7	0	-4.5%
12.3%	7	7	0	-4.2%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	-3.4%
16.0%	7	7	0	-3.4%
17.3%	7	7	0	-3.2%
18.5%	7	7	0	-2.9%
19.8%	7	7	0	-2.9%
21.0%	7	7	0	-2.6%
22.2%	7	7	0	-2.3%
23.5%	7	6	0	-2.7%
24.7%	7	6	0	-2.7%
25.9%	7	6	0	-2.7%
27.2%	7	6	0	-1.8%
28.4%	6	6	0	-1.5%
29.6%	6	6	0	-1.8%
30.9%	6	6	0	-1.8%
32.1%	6	6	0	-1.8%
33.3%	6	6	0	-2.5%
34.6%	6	6	0	-2.6%
35.8%	6	6	0	-0.2%
37.0%	6	6	0	1.2%
38.3%	6	6	0	0.2%
39.5%	6	6	0	0.4%
40.7%	6	6	0	0.9%
42.0%	6	6	0	0.5%
43.2%	6	6	0	-1.7%
44.4%	6	6	0	0.0%
45.7%	5	5	0	-0.6%
46.9%	5	5	0	-0.5%
48.1%	5	5	0	0.3%
49.4%	5	5	0	3.0%
50.6%	5	5	0	3.7%
51.9%	5	5	0	3.4%
53.1%	5	5	0	5.0%
54.3%	5	5	0	5.1%
55.6%	5	5	0	-0.5%
56.8%	5	5	0	-0.5%
58.0%	5	5	0	-1.5%
59.3%	5	5	0	-1.7%
60.5%	5	5	0	-3.4%
61.7%	5	5	0	-3.6%
63.0%	5	5	0	-4.0%
64.2%	5	5	0	-4.3%
65.4%	5	5	0	-2.8%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	-3.1%
69.1%	5	5	0	-2.2%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	-0.1%
75.3%	5	4	0	-2.7%
76.5%	5	4	0	-2.9%
77.8%	5	4	0	-3.0%
79.0%	4	4	0	-0.7%
80.2%	4	4	0	-0.9%
81.5%	4	4	0	1.9%
82.7%	4	4	0	1.0%
84.0%	4	4	0	3.4%
85.2%	4	4	0	3.6%
86.4%	4	4	0	0.6%
87.7%	4	4	0	1.0%
88.9%	4	4	0	2.3%
90.1%	4	4	0	2.6%
91.4%	4	4	0	5.2%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	-3.5%
96.3%	4	4	0	-2.4%
97.5%	3	3	0	0.4%
98.8%	3	3	0	4.6%
100.0%	3	3	0	1.1%

Alternative C Compared to No Action Alternative

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Table SW-01-7a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative C	1,361	1,373	1,422	1,480	1,587	1,707	1,855	1,851	1,814	1,680	1,546	1,424
Difference	56	58	55	49	47	42	40	40	40	44	51	51
Percent Difference[3]	4.3%	4.4%	4.0%	3.4%	3.0%	2.5%	2.2%	2.2%	2.2%	2.7%	3.4%	3.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative C	1,752	1,761	1,775	1,776	1,933	2,063	2,239	2,274	2,251	2,123	2,003	1,856
Difference	16	16	15	27	22	12	10	10	10	9	9	11
Percent Difference	0.9%	0.9%	0.8%	1.6%	1.2%	0.6%	0.4%	0.4%	0.4%	0.4%	0.4%	0.6%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative C	1,608	1,609	1,637	1,607	1,760	1,929	2,099	2,103	2,071	1,945	1,809	1,669
Difference	73	80	80	89	93	92	92	91	87	85	87	85
Percent Difference	4.8%	5.2%	5.1%	5.9%	5.6%	5.0%	4.6%	4.5%	4.4%	4.6%	5.1%	5.4%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative C	1,263	1,293	1,370	1,371	1,443	1,539	1,713	1,697	1,649	1,524	1,393	1,287
Difference	41	39	33	46	44	43	41	41	40	45	48	46
Percent Difference	3.3%	3.1%	2.4%	3.5%	3.2%	2.8%	2.4%	2.4%	2.5%	3.0%	3.6%	3.7%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative C	1,136	1,150	1,255	1,375	1,453	1,575	1,710	1,665	1,606	1,452	1,303	1,191
Difference	68	71	69	41	39	32	30	34	35	40	60	58
Percent Difference	6.3%	6.6%	5.8%	3.1%	2.7%	2.1%	1.8%	2.1%	2.2%	2.9%	4.8%	5.1%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative C	720	723	753	995	1,036	1,105	1,165	1,140	1,114	979	835	753
Difference	125	127	124	70	69	66	66	64	65	85	95	95
Percent Difference	21.0%	21.3%	19.7%	7.6%	7.2%	6.4%	6.0%	6.0%	6.2%	9.6%	12.8%	14.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-01-7b
Trinity Lake, End of Month Storage
Probability of Exceedance

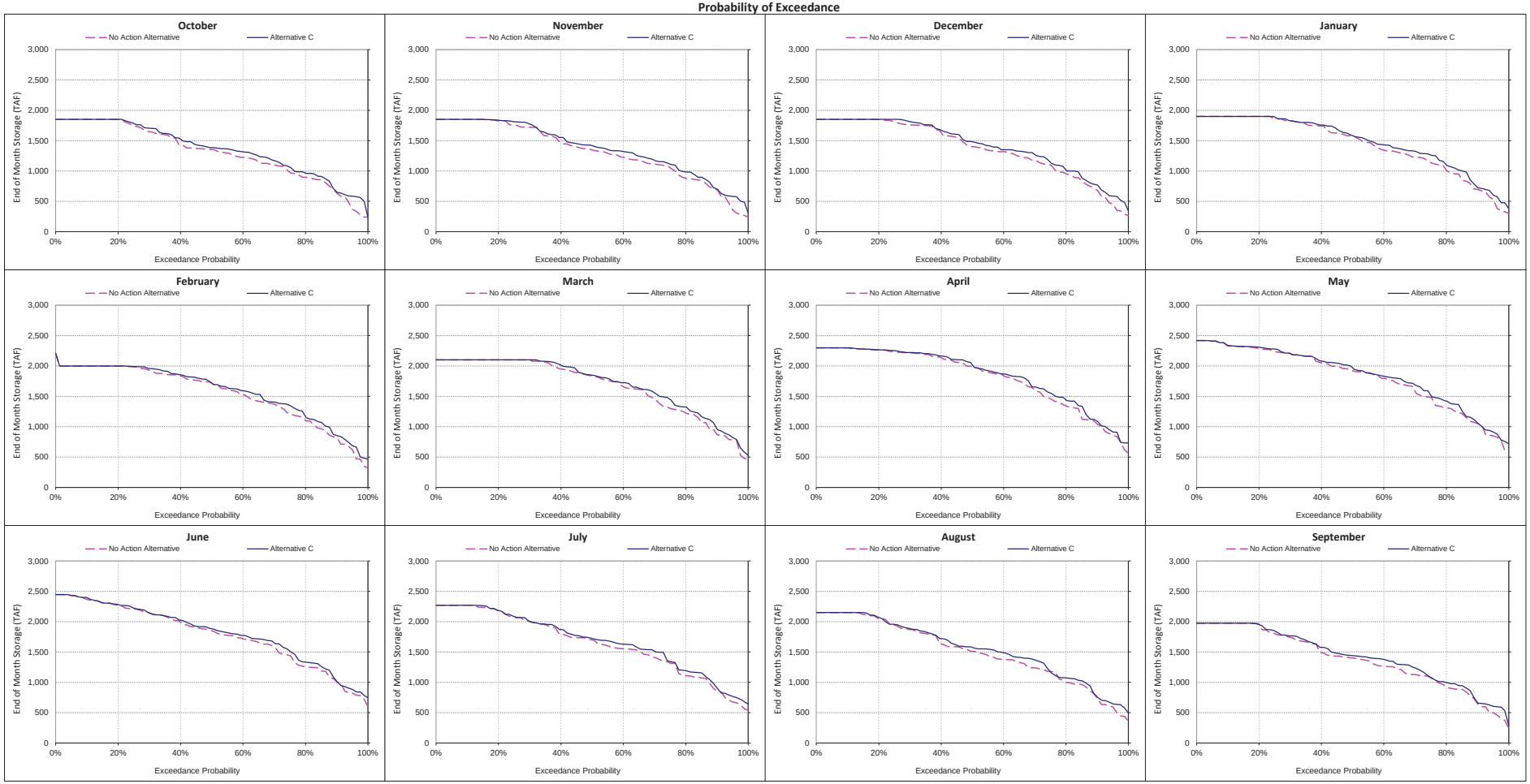

Table SW-01-7b
Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,830	23	1.3%
23.5%	1,781	1,807	26	1.5%
24.7%	1,755	1,791	36	2.1%
25.9%	1,732	1,763	31	1.8%
27.2%	1,714	1,762	48	2.8%
28.4%	1,672	1,713	40	2.4%
29.6%	1,652	1,706	54	3.3%
30.9%	1,642	1,703	61	3.7%
32.1%	1,619	1,699	80	5.0%
33.3%	1,605	1,633	28	1.7%
34.6%	1,603	1,619	16	1.0%
35.8%	1,592	1,616	24	1.5%
37.0%	1,548	1,598	50	3.2%
38.3%	1,544	1,546	1	0.1%
39.5%	1,433	1,545	112	7.8%
40.7%	1,424	1,495	71	5.0%
42.0%	1,382	1,484	102	7.3%
43.2%	1,379	1,482	103	7.4%
44.4%	1,377	1,439	62	4.5%
45.7%	1,370	1,424	54	3.9%
46.9%	1,367	1,414	47	3.4%
48.1%	1,362	1,400	38	2.8%
49.4%	1,356	1,387	30	2.2%
50.6%	1,355	1,384	29	2.2%
51.9%	1,323	1,375	53	4.0%
53.1%	1,315	1,369	54	4.1%
54.3%	1,299	1,367	68	5.2%
55.6%	1,294	1,358	64	4.9%
56.8%	1,257	1,344	87	6.9%
58.0%	1,239	1,329	90	7.2%
59.3%	1,225	1,322	97	8.0%
60.5%	1,224	1,312	88	7.2%
61.7%	1,214	1,307	93	7.7%
63.0%	1,201	1,288	87	7.2%
64.2%	1,179	1,265	86	7.3%
65.4%	1,134	1,235	100	8.9%
66.7%	1,126	1,230	104	9.3%
67.9%	1,124	1,218	93	8.3%
69.1%	1,102	1,185	82	7.4%
70.4%	1,098	1,169	71	6.5%
71.6%	1,082	1,139	58	5.3%
72.8%	1,075	1,099	24	2.2%
74.1%	1,018	1,086	68	6.7%
75.3%	965	1,057	92	9.6%
76.5%	959	990	31	3.3%
77.8%	936	989	53	5.6%
79.0%	896	987	91	10.1%
80.2%	895	962	67	7.5%
81.5%	885	960	74	8.4%
82.7%	869	952	83	9.6%
84.0%	858	913	56	6.5%
85.2%	855	911	56	6.6%
86.4%	807	871	63	7.9%
87.7%	751	832	82	10.9%
88.9%	700	715	15	2.1%
90.1%	633	649	15	2.4%
91.4%	583	635	52	8.9%
92.6%	580	609	29	5.0%
93.8%	483	587	105	21.7%
95.1%	367	583	216	58.8%
96.3%	334	575	241	72.2%
97.5%	281	562	281	100.0%
98.8%	240	499	259	107.8%
100.0%	240	240	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,845	1,846	1	0.1%
17.3%	1,843	1,845	2	0.1%
18.5%	1,840	1,843	4	0.2%
19.8%	1,828	1,840	12	0.7%
21.0%	1,828	1,832	4	0.2%
22.2%	1,825	1,829	4	0.2%
23.5%	1,765	1,826	61	3.4%
24.7%	1,754	1,813	60	3.4%
25.9%	1,753	1,809	56	3.2%
27.2%	1,727	1,805	78	4.5%
28.4%	1,722	1,803	81	4.7%
29.6%	1,722	1,784	62	3.6%
30.9%	1,720	1,757	37	2.2%
32.1%	1,719	1,719	-1	0.0%
33.3%	1,655	1,655	0	0.0%
34.6%	1,583	1,644	61	3.8%
35.8%	1,577	1,613	36	2.3%
37.0%	1,572	1,600	28	1.8%
38.3%	1,553	1,594	40	2.6%
39.5%	1,482	1,551	68	4.6%
40.7%	1,449	1,550	101	7.0%
42.0%	1,444	1,481	36	2.5%
43.2%	1,418	1,466	48	3.4%
44.4%	1,408	1,457	49	3.4%
45.7%	1,386	1,445	59	4.2%
46.9%	1,371	1,433	61	4.5%
48.1%	1,360	1,429	69	5.0%
49.4%	1,358	1,428	70	5.2%
50.6%	1,337	1,404	67	5.0%
51.9%	1,328	1,391	63	4.7%
53.1%	1,317	1,381	63	4.8%
54.3%	1,309	1,369	60	4.6%
55.6%	1,278	1,342	63	5.0%
56.8%	1,275	1,336	61	4.8%
58.0%	1,261	1,334	73	5.8%
59.3%	1,231	1,328	97	7.9%
60.5%	1,223	1,316	93	7.6%
61.7%	1,200	1,306	106	8.9%
63.0%	1,187	1,297	110	9.3%
64.2%	1,181	1,255	73	6.2%
65.4%	1,179	1,241	62	5.3%
66.7%	1,147	1,229	83	7.2%
67.9%	1,124	1,207	83	7.4%
69.1%	1,120	1,196	76	6.8%
70.4%	1,112	1,166	54	4.9%
71.6%	1,102	1,154	52	4.7%
72.8%	1,093	1,153	61	5.5%
74.1%	1,093	1,130	38	3.5%
75.3%	1,041	1,107	67	6.4%
76.5%	1,003	1,097	94	9.4%
77.8%	931	1,013	83	8.9%
79.0%	897	991	94	10.5%
80.2%	875	982	107	12.2%
81.5%	875	981	106	12.1%
82.7%	862	944	83	9.6%
84.0%	852	896	45	5.2%
85.2%	843	896	53	6.3%
86.4%	793	856	63	8.0%
87.7%	735	817	81	11.1%
88.9%	710	725	15	2.2%
90.1%	689	698	9	1.3%
91.4%	578	625	48	8.3%
92.6%	571	600	29	5.0%
93.8%	468	589	121	25.9%
95.1%	355	580	225	63.5%
96.3%	305	578	273	89.3%
97.5%	284	504	221	77.8%
98.8%	267	484	217	81.2%
100.0%	240	305	65	27.1%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,850	16	0.8%
24.7%	1,817	1,850	33	1.8%
25.9%	1,794	1,850	56	3.1%
27.2%	1,779	1,847	69	3.9%
28.4%	1,768	1,835	68	3.8%
29.6%	1,763	1,818	55	3.1%
30.9%	1,759	1,804	46	2.6%
32.1%	1,755	1,794	39	2.2%
33.3%	1,754	1,788	34	1.9%
34.6%	1,750	1,760	11	0.6%
35.8%	1,748	1,759	11	0.6%
37.0%	1,740	1,759	19	1.1%
38.3%	1,685	1,698	13	0.8%
39.5%	1,669	1,686	17	1.0%
40.7%	1,581	1,653	72	4.5%
42.0%	1,579	1,636	57	3.6%
43.2%	1,571	1,612	40	2.6%
44.4%	1,561	1,606	45	2.9%
45.7%	1,537	1,601	64	4.1%
46.9%	1,483	1,520	37	2.5%
48.1%	1,429	1,490	60	4.2%
49.4%	1,405	1,489	84	6.0%
50.6%	1,400	1,474	74	5.3%
51.9%	1,388	1,458	70	5.0%
53.1%	1,386	1,449	62	4.5%
54.3%	1,351	1,423	72	5.3%
55.6%	1,338	1,413	75	5.6%
56.8%	1,332	1,393	61	4.6%
58.0%	1,320	1,391	71	5.4%
59.3%	1,319	1,350	31	2.4%
60.5%	1,319	1,349	31	2.3%
61.7%	1,296	1,349	53	4.1%
63.0%	1,288	1,345	57	4.4%
64.2%	1,254	1,328	74	5.9%
65.4%	1,236	1,326	90	7.3%
66.7%	1,220	1,315	95	7.8%
67.9%	1,216	1,303	86	7.1%
69.1%	1,176	1,302	126	10.7%
70.4%	1,170	1,258	88	7.5%
71.6%	1,137	1,240	103	9.1%
72.8%	1,117	1,237	120	10.7%
74.1%	1,109	1,186	77	7.0%
75.3%	1,092	1,128	36	3.3%
76.5%	1,012	1,097	85	8.4%
77.8%	985	1,095	110	11.1%
79.0%	980	1,076	97	9.9%
80.2%	949	1,000	51	5.4%
81.5%	938	999	61	6.6%
82.7%	892	999	107	12.0%
84.0%	892	985	94	10.5%
85.2%	827	880	53	6.4%
86.4%	783	846	63	8.1%
87.7%	751	801	50	6.7%
88.9%	720	780	60	8.3%
90.1%	679	766	87	12.8%
91.4%	581	688	108	18.5%
92.6%	566	649	83	14.7%
93.8%	478	595	117	24.6%
95.1%	458	583	125	27.3%
96.3%	350	581	230	65.8%
97.5%	342	514	172	50.4%
98.8%	287	480	193	67.3%
100.0%	264	342	78	29.4%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,900	31	1.7%
25.9%	1,861	1,861	0	0.0%
27.2%	1,857	1,860	3	0.2%
28.4%	1,830	1,859	29	1.6%
29.6%	1,825	1,829	4	0.2%
30.9%	1,820	1,826	6	0.3%
32.1%	1,808	1,808	0	0.0%
33.3%	1,808	1,802	-6	-0.3%
34.6%	1,784	1,801	17	0.9%
35.8%	1,754	1,800	46	2.6%
37.0%	1,751	1,794	43	2.4%
38.3%	1,745	1,776	31	1.8%
39.5%	1,742	1,758	16	0.9%
40.7%	1,739	1,755	17	1.0%
42.0%	1,663	1,742	79	4.8%
43.2%	1,630	1,741	111	6.8%
44.4%	1,625	1,710	85	5.2%
45.7%	1,620	1,663	43	2.6%
46.9%	1,606	1,638	32	2.0%
48.1%	1,581	1,625	44	2.8%
49.4%	1,578	1,596	18	1.1%
50.6%	1,567	1,567	1	0.0%
51.9%	1,531	1,554	24	1.5%
53.1%	1,492	1,548	55	3.7%
54.3%	1,472	1,517	44	3.0%
55.6%	1,468	1,491	22	1.5%
56.8%	1,423	1,476	52	3.7%
58.0%	1,381	1,441	60	4.3%
59.3%	1,354	1,436	82	6.0%
60.5%	1,337	1,427	90	6.8%
61.7%	1,332	1,422	89	6.7%
63.0%	1,328	1,386	59	4.4%
64.2%	1,313	1,375	62	4.8%
65.4%	1,294	1,362	67	5.2%
66.7%	1,284	1,346	61	4.8%
67.9%	1,263	1,335	72	5.7%
69.1%	1,231	1,333	103	8.4%
70.4%	1,228	1,320	92	7.5%
71.6%	1,224	1,289	65	5.3%
72.8%	1,209	1,286	77	6.4%
74.1%	1,163	1,281	118	10.2%
75.3%	1,131	1,257	126	11.1%
76.5%	1,113	1,251	138	12.4%
77.8%	1,098	1,173	75	6.8%
79.0%	1,090	1,160	70	6.4%
80.2%	996	1,090	94	9.5%
81.5%	973	1,068	95	9.7%
82.7%	954	1,048	94	9.8%
84.0%	950	1,016	66	7.0%
85.2%	843	1,001	158	18.7%
86.4%	833	984	151	18.1%
87.7%	792	856	63	8.0%
88.9%	704	786	81	11.6%
90.1%	694	722	28	4.1%
91.4%	671	712	41	6.1%
92.6%	654	694	40	6.1%
93.8%	571	680	109	19.0%
95.1%	528	600	72	13.6%
96.3%	383	575	192	50.2%
97.5%	347	478	131	37.7%
98.8%	327	476	150	45.8%
100.0%	300	383	83	27.8%

Table SW-01-7b

Trinity Lake, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,208	2,208	0	0.0%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	1,991	1,993	2	0.1%
24.7%	1,988	1,991	4	0.2%
25.9%	1,985	1,991	6	0.3%
27.2%	1,957	1,988	31	1.6%
28.4%	1,955	1,985	30	1.5%
29.6%	1,935	1,959	24	1.3%
30.9%	1,914	1,956	42	2.2%
32.1%	1,880	1,948	68	3.6%
33.3%	1,876	1,939	63	3.4%
34.6%	1,875	1,919	44	2.4%
35.8%	1,859	1,913	55	2.9%
37.0%	1,853	1,875	22	1.2%
38.3%	1,853	1,870	17	0.9%
39.5%	1,837	1,856	19	1.0%
40.7%	1,828	1,848	21	1.1%
42.0%	1,784	1,824	40	2.2%
43.2%	1,778	1,820	42	2.4%
44.4%	1,766	1,815	49	2.8%
45.7%	1,761	1,799	38	2.2%
46.9%	1,739	1,784	45	2.6%
48.1%	1,737	1,781	43	2.5%
49.4%	1,737	1,743	6	0.4%
50.6%	1,694	1,694	0	0.0%
51.9%	1,685	1,692	7	0.4%
53.1%	1,630	1,665	35	2.1%
54.3%	1,628	1,661	32	2.0%
55.6%	1,601	1,631	30	1.9%
56.8%	1,592	1,627	35	2.2%
58.0%	1,580	1,621	41	2.6%
59.3%	1,524	1,598	74	4.9%
60.5%	1,523	1,589	65	4.3%
61.7%	1,482	1,577	95	6.4%
63.0%	1,439	1,555	117	8.1%
64.2%	1,428	1,534	106	7.4%
65.4%	1,413	1,531	117	8.3%
66.7%	1,404	1,437	33	2.4%
67.9%	1,390	1,411	21	1.5%
69.1%	1,385	1,410	25	1.8%
70.4%	1,364	1,402	38	2.8%
71.6%	1,322	1,381	59	4.5%
72.8%	1,298	1,380	81	6.3%
74.1%	1,233	1,371	138	11.2%
75.3%	1,202	1,338	136	11.3%
76.5%	1,185	1,303	118	10.0%
77.8%	1,172	1,273	101	8.6%
79.0%	1,155	1,255	100	8.7%
80.2%	1,095	1,145	50	4.6%
81.5%	1,094	1,125	30	2.8%
82.7%	1,021	1,115	94	9.2%
84.0%	977	1,082	105	10.7%
85.2%	965	1,071	106	11.0%
86.4%	924	1,011	87	9.4%
87.7%	861	993	132	15.3%
88.9%	834	875	41	4.9%
90.1%	812	854	42	5.2%
91.4%	710	834	124	17.4%
92.6%	710	791	81	11.5%
93.8%	675	739	64	9.4%
95.1%	619	684	66	10.6%
96.3%	469	665	196	41.9%
97.5%	466	500	34	7.2%
98.8%	349	478	129	37.1%
100.0%	322	466	145	45.0%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,100	2,100	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,100	2,100	0	0.0%
29.6%	2,100	2,100	0	0.0%
30.9%	2,079	2,100	21	1.0%
32.1%	2,078	2,100	22	1.1%
33.3%	2,076	2,079	2	0.1%
34.6%	2,069	2,076	7	0.3%
35.8%	2,054	2,074	20	1.0%
37.0%	2,008	2,068	60	3.0%
38.3%	1,983	2,054	71	3.6%
39.5%	1,955	2,026	72	3.7%
40.7%	1,946	1,995	49	2.5%
42.0%	1,933	1,987	55	2.8%
43.2%	1,915	1,983	68	3.6%
44.4%	1,893	1,968	75	4.0%
45.7%	1,892	1,898	6	0.3%
46.9%	1,867	1,879	12	0.6%
48.1%	1,855	1,859	4	0.2%
49.4%	1,841	1,855	13	0.7%
50.6%	1,826	1,843	17	0.9%
51.9%	1,815	1,827	12	0.7%
53.1%	1,788	1,810	23	1.3%
54.3%	1,770	1,804	34	1.9%
55.6%	1,754	1,787	33	1.9%
56.8%	1,742	1,743	1	0.1%
58.0%	1,741	1,740	-1	-0.1%
59.3%	1,680	1,724	45	2.7%
60.5%	1,646	1,724	78	4.7%
61.7%	1,630	1,712	82	5.1%
63.0%	1,622	1,653	31	1.9%
64.2%	1,621	1,653	32	1.9%
65.4%	1,615	1,626	11	0.7%
66.7%	1,602	1,613	12	0.7%
67.9%	1,506	1,611	105	7.0%
69.1%	1,483	1,585	101	6.8%
70.4%	1,444	1,545	101	7.0%
71.6%	1,381	1,497	116	8.4%
72.8%	1,334	1,491	157	11.7%
74.1%	1,324	1,481	158	11.9%
75.3%	1,294	1,439	145	11.2%
76.5%	1,284	1,352	68	5.3%
77.8%	1,270	1,334	64	5.0%
79.0%	1,252	1,329	76	6.1%
80.2%	1,221	1,321	101	8.2%
81.5%	1,202	1,259	58	4.8%
82.7%	1,197	1,241	44	3.7%
84.0%	1,147	1,226	79	6.9%
85.2%	1,066	1,159	93	8.8%
86.4%	1,065	1,134	69	6.4%
87.7%	951	1,117	166	17.5%
88.9%	951	1,068	117	12.3%
90.1%	864	951	86	10.0%
91.4%	863	927	65	7.5%
92.6%	848	891	44	5.2%
93.8%	789	864	75	9.5%
95.1%	780	822	42	5.3%
96.3%	771	789	18	2.3%
97.5%	528	653	125	23.7%
98.8%	475	580	105	22.1%
100.0%	466	528	61	13.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,290	2,300	10	0.4%
12.3%	2,283	2,288	5	0.2%
13.6%	2,283	2,283	0	0.0%
14.8%	2,278	2,282	4	0.2%
16.0%	2,276	2,278	2	0.1%
17.3%	2,269	2,276	7	0.3%
18.5%	2,266	2,268	2	0.1%
19.8%	2,263	2,267	4	0.2%
21.0%	2,261	2,266	4	0.2%
22.2%	2,259	2,264	5	0.2%
23.5%	2,241	2,257	16	0.7%
24.7%	2,234	2,254	20	0.9%
25.9%	2,226	2,249	23	1.0%
27.2%	2,225	2,234	9	0.4%
28.4%	2,218	2,225	6	0.3%
29.6%	2,218	2,223	6	0.2%
30.9%	2,214	2,219	6	0.3%
32.1%	2,208	2,218	10	0.5%
33.3%	2,205	2,218	12	0.6%
34.6%	2,191	2,206	15	0.7%
35.8%	2,190	2,205	15	0.7%
37.0%	2,161	2,191	30	1.4%
38.3%	2,153	2,182	29	1.3%
39.5%	2,149	2,167	18	0.8%
40.7%	2,117	2,161	45	2.1%
42.0%	2,101	2,147	46	2.2%
43.2%	2,095	2,109	14	0.7%
44.4%	2,063	2,105	42	2.0%
45.7%	2,059	2,103	45	2.2%
46.9%	2,052	2,103	51	2.5%
48.1%	1,997	2,070	73	3.6%
49.4%	1,995	2,059	64	3.2%
50.6%	1,972	1,979	6	0.3%
51.9%	1,967	1,958	-9	-0.5%
53.1%	1,918	1,951	33	1.7%
54.3%	1,913	1,931	18	0.9%
55.6%	1,889	1,919	29	1.6%
56.8%	1,878	1,899	20	1.1%
58.0%	1,864	1,886	22	1.2%
59.3%	1,862	1,871	9	0.5%
60.5%	1,823	1,864	41	2.2%
61.7%	1,811	1,850	38	2.1%
63.0%	1,798	1,830	32	1.8%
64.2%	1,761	1,827	66	3.7%
65.4%	1,744	1,821	78	4.5%
66.7%	1,707	1,802	95	5.6%
67.9%	1,660	1,760	100	6.0%
69.1%	1,641	1,655	14	0.8%
70.4%	1,582	1,651	69	4.4%
71.6%	1,571	1,629	58	3.7%
72.8%	1,496	1,624	128	8.5%
74.1%	1,486	1,569	83	5.6%
75.3%	1,449	1,549	99	6.8%
76.5%	1,416	1,501	85	6.0%
77.8%	1,406	1,484	78	5.6%
79.0%	1,362	1,484	121	8.9%
80.2%	1,337	1,430	93	7.0%
81.5%	1,316	1,422	106	8.0%
82.7%	1,311	1,421	110	8.4%
84.0%	1,299	1,346	47	3.6%
85.2%	1,121	1,337	216	19.2%
86.4%	1,118	1,198	80	7.2%
87.7%	1,105	1,125	20	1.8%
88.9%	1,096	1,121	25	2.2%
90.1%	1,038	1,088	50	4.8%
91.4%	1,006	1,015	9	0.9%
92.6%	920	1,000	80	8.7%
93.8%	887	950	63	7.1%
95.1%	855	913	58	6.8%
96.3%	838	906	67	8.0%
97.5%	742	742	0	0.0%
98.8%	615	733	118	19.2%
100.0%	565	733	168	29.8%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,420	2,420	0	0.0%
1.2%	2,420	2,420	0	0.0%
2.5%	2,420	2,420	0	0.0%
3.7%	2,420	2,420	0	0.0%
4.9%	2,411	2,411	0	0.0%
6.2%	2,410	2,410	0	0.0%
7.4%	2,386	2,384	-2	-0.1%
8.6%	2,384	2,384	0	0.0%
9.9%	2,330	2,341	11	0.5%
11.1%	2,325	2,334	8	0.4%
12.3%	2,323	2,328	5	0.2%
13.6%	2,321	2,325	5	0.2%
14.8%	2,318	2,324	6	0.2%
16.0%	2,318	2,321	3	0.1%
17.3%	2,310	2,318	8	0.3%
18.5%	2,301	2,317	16	0.7%
19.8%	2,292	2,310	19	0.8%
21.0%	2,276	2,301	25	1.1%
22.2%	2,274	2,292	18	0.8%
23.5%	2,272	2,283	12	0.5%
24.7%	2,234	2,281	47	2.1%
25.9%	2,229	2,272	43	1.9%
27.2%	2,221	2,234	13	0.6%
28.4%	2,215	2,214	-1	0.0%
29.6%	2,214	2,213	-1	0.0%
30.9%	2,185	2,185	0	0.0%
32.1%	2,183	2,183	0	0.0%
33.3%	2,173	2,173	0	0.0%
34.6%	2,163	2,163	0	0.0%
35.8%	2,162	2,163	1	0.0%
37.0%	2,158	2,155	-3	-0.1%
38.3%	2,077	2,120	42	2.0%
39.5%	2,061	2,084	23	1.1%
40.7%	2,039	2,077	38	1.9%
42.0%	2,033	2,061	28	1.4%
43.2%	1,997	2,059	62	3.1%
44.4%	1,992	2,052	60	3.0%
45.7%	1,987	2,042	55	2.8%
46.9%	1,957	2,021	64	3.3%
48.1%	1,955	2,016	62	3.1%
49.4%	1,930	2,000	70	3.6%
50.6%	1,911	1,944	33	1.7%
51.9%	1,905	1,926	22	1.1%
53.1%	1,904	1,923	19	1.0%
54.3%	1,890	1,887	-3	-0.2%
55.6%	1,888	1,874	-14	-0.8%
56.8%	1,859	1,867	7	0.4%
58.0%	1,840	1,851	11	0.6%
59.3%	1,798	1,840	42	2.3%
60.5%	1,794	1,825	31	1.7%
61.7%	1,771	1,809	38	2.2%
63.0%	1,756	1,805	49	2.8%
64.2%	1,716	1,796	80	4.7%
65.4%	1,696	1,789	92	5.4%
66.7%	1,689	1,742	54	3.2%
67.9%	1,673	1,722	49	2.9%
69.1%	1,664	1,714	51	3.0%
70.4%	1,546	1,679	133	8.6%
71.6%	1,517	1,655	138	9.1%
72.8%	1,491	1,593	103	6.9%
74.1%	1,490	1,592	101	6.8%
75.3%	1,479	1,495	16	1.1%
76.5%	1,348	1,477	130	9.6%
77.8%	1,339	1,469	130	9.7%
79.0%	1,319	1,440	120	9.1%
80.2%	1,310	1,416	106	8.1%
81.5%	1,298	1,378	80	6.2%
82.7%	1,255	1,369	114	9.0%
84.0%	1,239	1,364	125	10.1%
85.2%	1,210	1,248	39	3.2%
86.4%	1,149	1,170	22	1.9%
87.7%	1,088	1,157	69	6.3%
88.9%	1,071	1,117	46	4.3%
90.1%	1,051	1,051	0	0.0%
91.4%	1,036	1,007	-30	-2.9%
92.6%	868	947	79	9.1%
93.8%	862	936	75	8.7%
95.1%	848	911	63	7.4%
96.3%	827	877	50	6.1%
97.5%	779	779	0	0.0%
98.8%	603	756	153	25.4%
100.0%	588	720	132	22.4%

Table SW-01-7b
Trinity Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,409	8	0.3%
8.6%	2,397	2,401	4	0.2%
9.9%	2,367	2,397	30	1.2%
11.1%	2,353	2,367	15	0.6%
12.3%	2,349	2,351	2	0.1%
13.6%	2,340	2,340	0	0.0%
14.8%	2,315	2,308	-7	-0.3%
16.0%	2,304	2,304	0	0.0%
17.3%	2,304	2,303	-1	0.0%
18.5%	2,285	2,292	7	0.3%
19.8%	2,268	2,286	18	0.8%
21.0%	2,265	2,267	2	0.1%
22.2%	2,226	2,264	38	1.7%
23.5%	2,214	2,261	47	2.1%
24.7%	2,211	2,226	14	0.6%
25.9%	2,204	2,211	8	0.3%
27.2%	2,187	2,204	17	0.8%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,085	11	0.5%
37.0%	2,043	2,071	28	1.4%
38.3%	2,018	2,067	50	2.5%
39.5%	2,012	2,027	15	0.7%
40.7%	1,950	2,018	68	3.5%
42.0%	1,947	1,986	39	2.0%
43.2%	1,918	1,961	43	2.2%
44.4%	1,917	1,926	9	0.5%
45.7%	1,896	1,918	22	1.2%
46.9%	1,881	1,917	36	1.9%
48.1%	1,874	1,916	42	2.2%
49.4%	1,859	1,889	30	1.6%
50.6%	1,840	1,878	38	2.1%
51.9%	1,806	1,851	45	2.5%
53.1%	1,789	1,837	47	2.6%
54.3%	1,780	1,825	45	2.5%
55.6%	1,772	1,811	38	2.2%
56.8%	1,765	1,799	33	1.9%
58.0%	1,739	1,795	56	3.2%
59.3%	1,731	1,774	43	2.5%
60.5%	1,711	1,772	61	3.6%
61.7%	1,705	1,749	45	2.6%
63.0%	1,688	1,724	36	2.2%
64.2%	1,675	1,720	45	2.7%
65.4%	1,645	1,716	71	4.3%
66.7%	1,631	1,707	75	4.6%
67.9%	1,630	1,687	57	3.5%
69.1%	1,608	1,683	75	4.7%
70.4%	1,571	1,637	66	4.2%
71.6%	1,483	1,631	148	10.0%
72.8%	1,465	1,575	111	7.6%
74.1%	1,455	1,553	97	6.7%
75.3%	1,435	1,502	66	4.6%
76.5%	1,326	1,463	136	10.3%
77.8%	1,285	1,366	81	6.3%
79.0%	1,267	1,339	72	5.7%
80.2%	1,250	1,334	84	6.7%
81.5%	1,246	1,325	79	6.3%
82.7%	1,246	1,314	69	5.5%
84.0%	1,239	1,307	68	5.5%
85.2%	1,184	1,255	71	6.0%
86.4%	1,183	1,223	40	3.4%
87.7%	1,088	1,201	114	10.4%
88.9%	1,062	1,090	28	2.7%
90.1%	1,006	1,006	0	0.0%
91.4%	975	946	-30	-3.0%
92.6%	855	930	74	8.7%
93.8%	827	906	79	9.5%
95.1%	822	884	62	7.6%
96.3%	788	839	50	6.4%
97.5%	784	839	55	7.0%
98.8%	722	784	62	8.5%
100.0%	600	748	148	24.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,270	9	0.4%
13.6%	2,238	2,269	30	1.4%
14.8%	2,235	2,266	31	1.4%
16.0%	2,233	2,256	23	1.0%
17.3%	2,219	2,217	-1	-0.1%
18.5%	2,216	2,216	0	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,121	-3	-0.2%
23.5%	2,090	2,119	30	1.4%
24.7%	2,071	2,090	19	0.9%
25.9%	2,067	2,071	4	0.2%
27.2%	2,067	2,067	0	0.0%
28.4%	2,014	2,067	54	2.7%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,963	7	0.4%
35.8%	1,931	1,956	24	1.3%
37.0%	1,926	1,955	29	1.5%
38.3%	1,890	1,924	33	1.8%
39.5%	1,794	1,873	80	4.5%
40.7%	1,790	1,868	77	4.3%
42.0%	1,769	1,814	45	2.6%
43.2%	1,742	1,794	51	3.0%
44.4%	1,737	1,773	36	2.1%
45.7%	1,737	1,769	32	1.9%
46.9%	1,735	1,746	12	0.7%
48.1%	1,728	1,742	14	0.8%
49.4%	1,705	1,730	24	1.4%
50.6%	1,695	1,713	18	1.1%
51.9%	1,634	1,702	68	4.2%
53.1%	1,625	1,692	66	4.1%
54.3%	1,610	1,690	80	5.0%
55.6%	1,591	1,682	91	5.7%
56.8%	1,578	1,662	84	5.3%
58.0%	1,562	1,641	79	5.1%
59.3%	1,554	1,633	79	5.1%
60.5%	1,551	1,629	78	5.0%
61.7%	1,549	1,624	75	4.9%
63.0%	1,541	1,619	78	5.1%
64.2%	1,535	1,581	46	3.0%
65.4%	1,507	1,547	40	2.7%
66.7%	1,460	1,544	83	5.7%
67.9%	1,456	1,540	84	5.7%
69.1%	1,415	1,539	123	8.7%
70.4%	1,405	1,499	93	6.6%
71.6%	1,375	1,497	123	8.9%
72.8%	1,350	1,495	145	10.8%
74.1%	1,340	1,358	19	1.4%
75.3%	1,312	1,338	25	1.9%
76.5%	1,311	1,327	16	1.2%
77.8%	1,142	1,203	61	5.4%
79.0%	1,118	1,200	83	7.4%
80.2%	1,110	1,193	84	7.6%
81.5%	1,104	1,172	67	6.1%
82.7%	1,088	1,166	78	7.2%
84.0%	1,085	1,161	75	6.9%
85.2%	1,069	1,155	86	8.0%
86.4%	1,066	1,093	27	2.5%
87.7%	980	1,047	67	6.8%
88.9%	901	980	80	8.8%
90.1%	851	901	49	5.8%
91.4%	842	822	-20	-2.3%
92.6%	747	821	74	9.9%
93.8%	704	789	85	12.1%
95.1%	676	766	90	13.3%
96.3%	662	747	85	12.9%
97.5%	631	722	91	14.4%
98.8%	561	676	115	20.5%
100.0%	542	640	98	18.1%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,150	4	0.2%
14.8%	2,122	2,150	28	1.3%
16.0%	2,110	2,140	30	1.4%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,109	11	0.5%
19.8%	2,053	2,073	20	1.0%
21.0%	2,050	2,053	2	0.1%
22.2%	2,034	1,998	-36	-1.8%
23.5%	1,957	1,958	0	0.0%
24.7%	1,949	1,957	8	0.4%
25.9%	1,927	1,949	22	1.1%
27.2%	1,892	1,924	33	1.7%
28.4%	1,890	1,902	12	0.6%
29.6%	1,872	1,890	18	1.0%
30.9%	1,868	1,872	4	0.2%
32.1%	1,837	1,872	35	1.9%
33.3%	1,816	1,849	33	1.8%
34.6%	1,808	1,837	29	1.6%
35.8%	1,795	1,816	21	1.1%
37.0%	1,777	1,802	25	1.4%
38.3%	1,777	1,774	-2	-0.1%
39.5%	1,641	1,721	80	4.8%
40.7%	1,622	1,717	94	5.8%
42.0%	1,592	1,698	105	6.6%
43.2%	1,588	1,644	57	3.6%
44.4%	1,588	1,622	35	2.2%
45.7%	1,583	1,596	13	0.8%
46.9%	1,556	1,592	36	2.3%
48.1%	1,547	1,586	39	2.5%
49.4%	1,514	1,585	71	4.7%
50.6%	1,510	1,564	54	3.6%
51.9%	1,488	1,552	64	4.3%
53.1%	1,475	1,551	76	5.2%
54.3%	1,460	1,550	90	6.1%
55.6%	1,424	1,544	120	8.4%
56.8%	1,414	1,533	119	8.4%
58.0%	1,386	1,505	119	8.6%
59.3%	1,383	1,496	113	8.2%
60.5%	1,376	1,482	106	7.7%
61.7%	1,372	1,464	91	6.7%
63.0%	1,370	1,429	59	4.3%
64.2%	1,333	1,413	80	6.0%
65.4%	1,324	1,409	84	6.4%
66.7%	1,306	1,399	93	7.1%
67.9%	1,241	1,396	155	12.5%
69.1%	1,241	1,384	143	11.5%
70.4%	1,237	1,364	127	10.2%
71.6%	1,223	1,342	119	9.7%
72.8%	1,207	1,317	110	9.1%
74.1%	1,180	1,226	46	3.9%
75.3%	1,177	1,158	-20	-1.7%
76.5%	1,172	1,115	-57	-4.8%
77.8%	1,057	1,081	24	2.3%
79.0%	1,034	1,075	42	4.0%
80.2%	998	1,070	72	7.2%
81.5%	988	1,065	77	7.7%
82.7%	971	1,059	88	9.1%
84.0%	968	1,033	65	6.8%
85.2%	964	1,024	60	6.2%
86.4%	924	988	64	6.9%
87.7%	863	945	82	9.5%
88.9%	816	816	0	0.0%
90.1%	728	754	26	3.5%
91.4%	636	706	70	11.0%
92.6%	632	699	67	10.6%
93.8%	616	673	57	9.3%
95.1%	592	645	52	8.9%
96.3%	500	636	136	27.1%
97.5%	446	631	185	41.6%
98.8%	436	573	137	31.4%
100.0%	357	495	139	38.9%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,965	-10	-0.5%
19.8%	1,968	1,956	-12	-0.6%
21.0%	1,867	1,933	65	3.5%
22.2%	1,866	1,872	7	0.4%
23.5%	1,820	1,867	47	2.6%
24.7%	1,810	1,856	46	2.5%
25.9%	1,784	1,820	36	2.0%
27.2%	1,778	1,781	3	0.2%
28.4%	1,764	1,776	12	0.7%
29.6%	1,746	1,765	19	1.1%
30.9%	1,731	1,764	33	1.9%
32.1%	1,691	1,757	66	3.9%
33.3%	1,681	1,721	40	2.4%
34.6%	1,672	1,707	34	2.0%
35.8%	1,659	1,672	13	0.8%
37.0%	1,635	1,653	18	1.1%
38.3%	1,632	1,630	-2	-0.2%
39.5%	1,495	1,576	81	5.4%
40.7%	1,481	1,575	94	6.3%
42.0%	1,445	1,556	111	7.7%
43.2%	1,439	1,501	62	4.3%
44.4%	1,433	1,481	48	3.4%
45.7%	1,432	1,474	42	2.9%
46.9%	1,418	1,456	38	2.7%
48.1%	1,415	1,449	34	2.4%
49.4%	1,405	1,443	39	2.8%
50.6%	1,398	1,436	38	2.7%
51.9%	1,387	1,429	43	3.1%
53.1%	1,376	1,423	47	3.4%
54.3%	1,362	1,419	57	4.2%
55.6%	1,350	1,407	57	4.2%
56.8%	1,300	1,392	92	7.1%
58.0%	1,279	1,392	113	8.8%
59.3%	1,269	1,383	114	9.0%
60.5%	1,264	1,369	106	8.4%
61.7%	1,259	1,351	92	7.3%
63.0%	1,257	1,347	91	7.2%
64.2%	1,221	1,300	79	6.5%
65.4%	1,212	1,295	83	6.9%
66.7%	1,156	1,289	133	11.5%
67.9%	1,129	1,285	156	13.9%
69.1%	1,128	1,250	123	10.9%
70.4%	1,126	1,231	105	9.3%
71.6%	1,110	1,202	92	8.3%
72.8%	1,108	1,160	52	4.7%
74.1%	1,100	1,111	11	1.0%
75.3%	1,069	1,073	5	0.5%
76.5%	1,015	1,033	18	1.7%
77.8%	989	1,013	24	2.4%
79.0%	962	1,013	51	5.3%
80.2%	912	993	81	8.9%
81.5%	902	979	77	8.6%
82.7%	889	977	88	9.9%
84.0%	886	946	60	6.8%
85.2%	883	942	59	6.7%
86.4%	840	903	64	7.6%
87.7%	782	864	82	10.4%
88.9%	733	748	15	2.0%
90.1%	641	656	15	2.4%
91.4%	597	650	53	8.9%
92.6%	596	644	48	8.1%
93.8%	500	625	125	24.9%
95.1%	499	603	104	20.9%
96.3%	459	597	138	30.1%
97.5%	406	593	187	46.1%
98.8%	374	533	159	42.5%
100.0%	240	291	51	21.2%

Table SW-02-7a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative C	2,286	2,287	2,292	2,297	2,307	2,317	2,328	2,328	2,325	2,314	2,302	2,292
Difference	7	8	7	6	5	4	4	4	4	4	5	6
Percent Difference[3]	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative C	2,324	2,325	2,326	2,326	2,339	2,348	2,358	2,360	2,358	2,350	2,343	2,333
Difference	1	1	1	2	2	1	1	1	1	1	1	1
Percent Difference	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative C	2,312	2,312	2,314	2,310	2,324	2,337	2,348	2,349	2,347	2,339	2,328	2,317
Difference	7	7	7	12	11	8	7	7	7	7	7	8
Percent Difference	0.3%	0.3%	0.3%	0.5%	0.5%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative C	2,279	2,281	2,288	2,285	2,293	2,301	2,317	2,316	2,313	2,302	2,291	2,281
Difference	4	3	3	4	4	4	3	3	3	4	4	4
Percent Difference	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%
Dry (22%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative C	2,267	2,269	2,278	2,288	2,296	2,308	2,319	2,315	2,311	2,297	2,283	2,273
Difference	8	8	8	5	5	4	3	3	4	4	6	6
Percent Difference	0.3%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.2%	0.2%	0.3%	0.3%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative C	2,214	2,216	2,221	2,249	2,254	2,263	2,270	2,267	2,265	2,250	2,232	2,220
Difference	25	26	23	9	9	8	7	7	7	11	14	17
Percent Difference	1.1%	1.2%	1.0%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%	0.5%	0.6%	0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-02-7b
Trinity Lake, End of Month Elevation
Probability of Exceedance

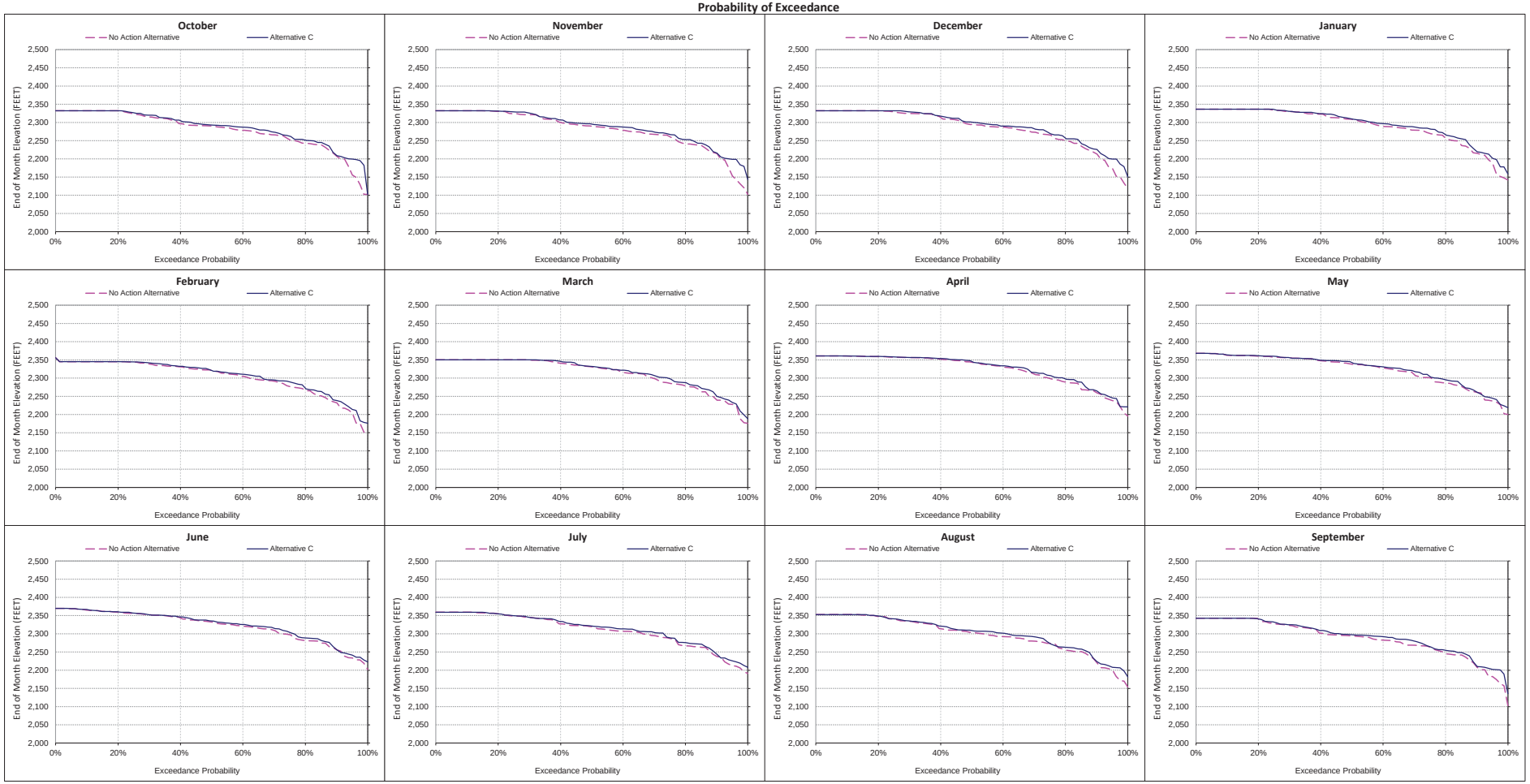

Table SW-02-7b

Trinity Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,329	2,331	2	0.1%
23.5%	2,326	2,329	2	0.1%
24.7%	2,324	2,327	3	0.1%
25.9%	2,322	2,325	3	0.1%
27.2%	2,321	2,325	4	0.2%
28.4%	2,317	2,321	3	0.1%
29.6%	2,315	2,320	5	0.2%
30.9%	2,315	2,320	5	0.2%
32.1%	2,313	2,319	7	0.3%
33.3%	2,311	2,314	2	0.1%
34.6%	2,311	2,313	1	0.1%
35.8%	2,310	2,312	2	0.1%
37.0%	2,307	2,311	4	0.2%
38.3%	2,306	2,306	0	0.0%
39.5%	2,297	2,306	9	0.4%
40.7%	2,296	2,302	6	0.3%
42.0%	2,293	2,301	9	0.4%
43.2%	2,292	2,301	9	0.4%
44.4%	2,292	2,297	5	0.2%
45.7%	2,292	2,296	5	0.2%
46.9%	2,291	2,295	4	0.2%
48.1%	2,291	2,294	3	0.1%
49.4%	2,290	2,293	3	0.1%
50.6%	2,290	2,293	2	0.1%
51.9%	2,288	2,292	4	0.2%
53.1%	2,287	2,292	5	0.2%
54.3%	2,286	2,291	6	0.3%
55.6%	2,285	2,291	5	0.2%
56.8%	2,282	2,289	8	0.3%
58.0%	2,280	2,288	8	0.4%
59.3%	2,278	2,288	9	0.4%
60.5%	2,278	2,287	8	0.4%
61.7%	2,277	2,286	9	0.4%
63.0%	2,276	2,285	9	0.4%
64.2%	2,274	2,282	9	0.4%
65.4%	2,269	2,279	10	0.4%
66.7%	2,269	2,279	10	0.5%
67.9%	2,268	2,278	9	0.4%
69.1%	2,266	2,274	8	0.4%
70.4%	2,266	2,273	7	0.3%
71.6%	2,264	2,270	6	0.3%
72.8%	2,263	2,266	2	0.1%
74.1%	2,257	2,265	8	0.3%
75.3%	2,251	2,262	11	0.5%
76.5%	2,250	2,254	4	0.2%
77.8%	2,248	2,254	6	0.3%
79.0%	2,243	2,254	10	0.5%
80.2%	2,243	2,251	8	0.3%
81.5%	2,242	2,250	9	0.4%
82.7%	2,240	2,250	10	0.4%
84.0%	2,239	2,245	6	0.3%
85.2%	2,238	2,245	7	0.3%
86.4%	2,231	2,240	9	0.4%
87.7%	2,223	2,235	12	0.5%
88.9%	2,216	2,218	2	0.1%
90.1%	2,207	2,209	2	0.1%
91.4%	2,199	2,207	7	0.3%
92.6%	2,199	2,203	4	0.2%
93.8%	2,179	2,200	21	1.0%
95.1%	2,156	2,199	44	2.0%
96.3%	2,149	2,198	49	2.3%
97.5%	2,129	2,195	66	3.1%
98.8%	2,103	2,182	80	3.8%
100.0%	2,103	2,103	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,331	2,332	0	0.0%
19.8%	2,330	2,331	1	0.0%
21.0%	2,330	2,331	0	0.0%
22.2%	2,330	2,330	0	0.0%
23.5%	2,325	2,330	5	0.2%
24.7%	2,324	2,329	5	0.2%
25.9%	2,324	2,329	5	0.2%
27.2%	2,322	2,328	7	0.3%
28.4%	2,321	2,328	7	0.3%
29.6%	2,321	2,327	5	0.2%
30.9%	2,321	2,324	3	0.1%
32.1%	2,321	2,321	0	0.0%
33.3%	2,316	2,316	0	0.0%
34.6%	2,310	2,315	5	0.2%
35.8%	2,309	2,312	3	0.1%
37.0%	2,309	2,311	2	0.1%
38.3%	2,307	2,310	3	0.1%
39.5%	2,301	2,307	6	0.3%
40.7%	2,298	2,307	9	0.4%
42.0%	2,298	2,301	3	0.1%
43.2%	2,296	2,300	4	0.2%
44.4%	2,295	2,299	4	0.2%
45.7%	2,293	2,298	5	0.2%
46.9%	2,292	2,297	5	0.2%
48.1%	2,291	2,297	6	0.3%
49.4%	2,291	2,296	6	0.3%
50.6%	2,289	2,294	6	0.2%
51.9%	2,288	2,293	5	0.2%
53.1%	2,287	2,292	5	0.2%
54.3%	2,286	2,292	5	0.2%
55.6%	2,284	2,289	5	0.2%
56.8%	2,283	2,289	5	0.2%
58.0%	2,282	2,289	6	0.3%
59.3%	2,279	2,288	9	0.4%
60.5%	2,278	2,287	9	0.4%
61.7%	2,276	2,286	10	0.4%
63.0%	2,275	2,285	11	0.5%
64.2%	2,274	2,281	7	0.3%
65.4%	2,274	2,280	6	0.3%
66.7%	2,271	2,279	8	0.4%
67.9%	2,268	2,277	8	0.4%
69.1%	2,268	2,276	8	0.3%
70.4%	2,267	2,273	5	0.2%
71.6%	2,266	2,271	5	0.2%
72.8%	2,265	2,271	6	0.3%
74.1%	2,265	2,269	4	0.2%
75.3%	2,260	2,267	7	0.3%
76.5%	2,255	2,266	10	0.5%
77.8%	2,247	2,257	9	0.4%
79.0%	2,243	2,254	11	0.5%
80.2%	2,241	2,253	12	0.5%
81.5%	2,241	2,253	12	0.5%
82.7%	2,239	2,249	9	0.4%
84.0%	2,238	2,243	5	0.2%
85.2%	2,237	2,243	7	0.3%
86.4%	2,229	2,238	9	0.4%
87.7%	2,221	2,233	12	0.5%
88.9%	2,218	2,220	2	0.1%
90.1%	2,215	2,216	1	0.1%
91.4%	2,199	2,205	7	0.3%
92.6%	2,197	2,202	5	0.2%
93.8%	2,176	2,200	24	1.1%
95.1%	2,153	2,199	46	2.1%
96.3%	2,143	2,199	55	2.6%
97.5%	2,131	2,184	52	2.5%
98.8%	2,120	2,179	59	2.8%
100.0%	2,103	2,143	40	1.9%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.1%
23.5%	2,331	2,332	1	0.1%
24.7%	2,329	2,332	3	0.1%
25.9%	2,327	2,332	5	0.2%
27.2%	2,326	2,332	6	0.3%
28.4%	2,325	2,331	6	0.2%
29.6%	2,325	2,330	5	0.2%
30.9%	2,324	2,328	4	0.2%
32.1%	2,324	2,328	3	0.1%
33.3%	2,324	2,327	3	0.1%
34.6%	2,324	2,325	1	0.0%
35.8%	2,324	2,325	1	0.0%
37.0%	2,323	2,324	2	0.1%
38.3%	2,318	2,319	1	0.0%
39.5%	2,317	2,318	1	0.1%
40.7%	2,309	2,315	6	0.3%
42.0%	2,309	2,314	5	0.2%
43.2%	2,309	2,312	3	0.1%
44.4%	2,308	2,312	4	0.2%
45.7%	2,306	2,311	5	0.2%
46.9%	2,301	2,304	3	0.1%
48.1%	2,297	2,302	5	0.2%
49.4%	2,295	2,302	7	0.3%
50.6%	2,294	2,300	6	0.3%
51.9%	2,293	2,299	6	0.3%
53.1%	2,293	2,298	5	0.2%
54.3%	2,290	2,296	6	0.3%
55.6%	2,289	2,295	6	0.3%
56.8%	2,288	2,294	5	0.2%
58.0%	2,287	2,293	6	0.3%
59.3%	2,287	2,290	3	0.1%
60.5%	2,287	2,290	3	0.1%
61.7%	2,285	2,290	4	0.2%
63.0%	2,285	2,289	5	0.2%
64.2%	2,281	2,288	7	0.3%
65.4%	2,280	2,288	8	0.4%
66.7%	2,278	2,287	9	0.4%
67.9%	2,278	2,286	8	0.4%
69.1%	2,274	2,286	12	0.5%
70.4%	2,273	2,282	9	0.4%
71.6%	2,270	2,280	10	0.5%
72.8%	2,268	2,280	12	0.5%
74.1%	2,267	2,275	8	0.3%
75.3%	2,265	2,269	4	0.2%
76.5%	2,256	2,266	9	0.4%
77.8%	2,253	2,265	12	0.5%
79.0%	2,253	2,264	11	0.5%
80.2%	2,249	2,255	6	0.3%
81.5%	2,248	2,255	7	0.3%
82.7%	2,243	2,255	12	0.5%
84.0%	2,243	2,253	11	0.5%
85.2%	2,234	2,241	7	0.3%
86.4%	2,228	2,237	9	0.4%
87.7%	2,223	2,231	7	0.3%
88.9%	2,219	2,228	9	0.4%
90.1%	2,213	2,226	12	0.6%
91.4%	2,199	2,214	15	0.7%
92.6%	2,196	2,209	13	0.6%
93.8%	2,178	2,201	23	1.1%
95.1%	2,174	2,199	25	1.2%
96.3%	2,152	2,199	47	2.2%
97.5%	2,151	2,186	35	1.6%
98.8%	2,133	2,179	45	2.1%
100.0%	2,118	2,151	32	1.5%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,337	3	0.1%
25.9%	2,333	2,333	0	0.0%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,333	2	0.1%
29.6%	2,330	2,330	0	0.0%
30.9%	2,330	2,330	1	0.0%
32.1%	2,329	2,329	0	0.0%
33.3%	2,329	2,328	0	0.0%
34.6%	2,327	2,328	1	0.1%
35.8%	2,324	2,328	4	0.2%
37.0%	2,324	2,328	4	0.2%
38.3%	2,323	2,326	3	0.1%
39.5%	2,323	2,324	1	0.1%
40.7%	2,323	2,324	1	0.1%
42.0%	2,316	2,323	7	0.3%
43.2%	2,314	2,323	9	0.4%
44.4%	2,313	2,320	7	0.3%
45.7%	2,313	2,316	4	0.2%
46.9%	2,311	2,314	3	0.1%
48.1%	2,309	2,313	4	0.2%
49.4%	2,309	2,311	2	0.1%
50.6%	2,308	2,308	0	0.0%
51.9%	2,305	2,307	2	0.1%
53.1%	2,302	2,307	5	0.2%
54.3%	2,300	2,304	4	0.2%
55.6%	2,300	2,302	2	0.1%
56.8%	2,296	2,301	4	0.2%
58.0%	2,293	2,298	5	0.2%
59.3%	2,290	2,297	7	0.3%
60.5%	2,289	2,296	8	0.3%
61.7%	2,288	2,296	8	0.3%
63.0%	2,288	2,293	5	0.2%
64.2%	2,287	2,292	5	0.2%
65.4%	2,285	2,291	6	0.2%
66.7%	2,284	2,290	5	0.2%
67.9%	2,282	2,289	6	0.3%
69.1%	2,279	2,289	9	0.4%
70.4%	2,279	2,287	9	0.4%
71.6%	2,278	2,285	6	0.3%
72.8%	2,277	2,284	8	0.3%
74.1%	2,272	2,284	12	0.5%
75.3%	2,269	2,282	13	0.6%
76.5%	2,267	2,281	14	0.6%
77.8%	2,266	2,273	8	0.3%
79.0%	2,265	2,272	7	0.3%
80.2%	2,255	2,265	11	0.5%
81.5%	2,252	2,263	11	0.5%
82.7%	2,250	2,260	11	0.5%
84.0%	2,249	2,257	8	0.3%
85.2%	2,237	2,255	19	0.8%
86.4%	2,235	2,253	18	0.8%
87.7%	2,229	2,238	9	0.4%
88.9%	2,217	2,228	12	0.5%
90.1%	2,215	2,219	4	0.2%
91.4%	2,212	2,218	6	0.3%
92.6%	2,210	2,215	6	0.3%
93.8%	2,197	2,213	16	0.7%
95.1%	2,189	2,202	13	0.6%
96.3%	2,159	2,198	39	1.8%
97.5%	2,152	2,178	27	1.2%
98.8%	2,147	2,178	30	1.4%
100.0%	2,142	2,159	17	0.8%

Table SW-02-7b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,356	2,356	0	0.0%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,344	2,344	0	0.0%
24.7%	2,344	2,344	0	0.0%
25.9%	2,344	2,344	1	0.0%
27.2%	2,341	2,344	3	0.1%
28.4%	2,341	2,344	3	0.1%
29.6%	2,339	2,342	2	0.1%
30.9%	2,338	2,341	4	0.2%
32.1%	2,335	2,341	6	0.2%
33.3%	2,334	2,340	5	0.2%
34.6%	2,334	2,338	4	0.2%
35.8%	2,333	2,338	5	0.2%
37.0%	2,333	2,334	2	0.1%
38.3%	2,333	2,334	1	0.1%
39.5%	2,331	2,333	2	0.1%
40.7%	2,330	2,332	2	0.1%
42.0%	2,327	2,330	3	0.1%
43.2%	2,326	2,330	4	0.2%
44.4%	2,325	2,329	4	0.2%
45.7%	2,325	2,328	3	0.1%
46.9%	2,323	2,327	4	0.2%
48.1%	2,323	2,326	4	0.2%
49.4%	2,323	2,323	1	0.0%
50.6%	2,319	2,319	0	0.0%
51.9%	2,318	2,319	1	0.0%
53.1%	2,314	2,317	3	0.1%
54.3%	2,313	2,316	3	0.1%
55.6%	2,311	2,314	3	0.1%
56.8%	2,310	2,313	3	0.1%
58.0%	2,309	2,313	3	0.1%
59.3%	2,305	2,311	6	0.3%
60.5%	2,305	2,310	5	0.2%
61.7%	2,301	2,309	8	0.3%
63.0%	2,297	2,307	10	0.4%
64.2%	2,296	2,305	9	0.4%
65.4%	2,295	2,305	10	0.4%
66.7%	2,294	2,297	3	0.1%
67.9%	2,293	2,295	2	0.1%
69.1%	2,293	2,295	2	0.1%
70.4%	2,291	2,294	3	0.1%
71.6%	2,288	2,293	5	0.2%
72.8%	2,286	2,292	7	0.3%
74.1%	2,279	2,292	12	0.5%
75.3%	2,276	2,289	13	0.6%
76.5%	2,274	2,286	11	0.5%
77.8%	2,273	2,283	10	0.4%
79.0%	2,271	2,281	10	0.4%
80.2%	2,265	2,271	5	0.2%
81.5%	2,265	2,268	3	0.1%
82.7%	2,257	2,268	10	0.4%
84.0%	2,252	2,264	12	0.5%
85.2%	2,251	2,263	12	0.5%
86.4%	2,246	2,256	10	0.4%
87.7%	2,239	2,254	15	0.7%
88.9%	2,235	2,241	5	0.2%
90.1%	2,232	2,238	6	0.3%
91.4%	2,218	2,235	18	0.8%
92.6%	2,218	2,229	12	0.5%
93.8%	2,213	2,222	9	0.4%
95.1%	2,205	2,214	9	0.4%
96.3%	2,176	2,211	35	1.6%
97.5%	2,176	2,183	7	0.3%
98.8%	2,152	2,178	26	1.2%
100.0%	2,146	2,176	29	1.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,350	2,350	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,349	2,350	1	0.0%
32.1%	2,349	2,350	1	0.1%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,348	2,349	1	0.0%
37.0%	2,345	2,349	3	0.1%
38.3%	2,344	2,348	4	0.2%
39.5%	2,341	2,346	5	0.2%
40.7%	2,340	2,345	4	0.2%
42.0%	2,339	2,344	5	0.2%
43.2%	2,338	2,344	6	0.2%
44.4%	2,336	2,342	6	0.3%
45.7%	2,336	2,336	0	0.0%
46.9%	2,334	2,335	1	0.0%
48.1%	2,333	2,333	0	0.0%
49.4%	2,332	2,333	1	0.0%
50.6%	2,330	2,332	1	0.1%
51.9%	2,329	2,330	1	0.0%
53.1%	2,327	2,329	2	0.1%
54.3%	2,325	2,328	3	0.1%
55.6%	2,324	2,327	3	0.1%
56.8%	2,323	2,323	0	0.0%
58.0%	2,323	2,323	0	0.0%
59.3%	2,318	2,322	4	0.2%
60.5%	2,315	2,321	7	0.3%
61.7%	2,314	2,321	7	0.3%
63.0%	2,313	2,316	3	0.1%
64.2%	2,313	2,316	3	0.1%
65.4%	2,312	2,313	1	0.0%
66.7%	2,311	2,312	1	0.0%
67.9%	2,303	2,312	9	0.4%
69.1%	2,301	2,310	9	0.4%
70.4%	2,298	2,306	8	0.4%
71.6%	2,292	2,302	10	0.4%
72.8%	2,289	2,302	13	0.6%
74.1%	2,288	2,301	13	0.6%
75.3%	2,285	2,297	12	0.5%
76.5%	2,284	2,290	6	0.3%
77.8%	2,283	2,289	6	0.2%
79.0%	2,281	2,288	7	0.3%
80.2%	2,278	2,287	9	0.4%
81.5%	2,276	2,282	6	0.3%
82.7%	2,276	2,280	4	0.2%
84.0%	2,271	2,279	8	0.3%
85.2%	2,262	2,272	9	0.4%
86.4%	2,262	2,269	7	0.3%
87.7%	2,249	2,268	18	0.8%
88.9%	2,249	2,263	13	0.6%
90.1%	2,239	2,249	10	0.4%
91.4%	2,239	2,247	7	0.3%
92.6%	2,237	2,243	5	0.2%
93.8%	2,229	2,239	11	0.5%
95.1%	2,228	2,234	6	0.3%
96.3%	2,226	2,229	3	0.1%
97.5%	2,188	2,209	21	1.0%
98.8%	2,178	2,199	21	1.0%
100.0%	2,176	2,188	12	0.6%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,361	1	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,360	2,360	0	0.0%
14.8%	2,360	2,360	0	0.0%
16.0%	2,360	2,360	0	0.0%
17.3%	2,359	2,360	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,359	2,359	0	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,359	2,359	0	0.0%
23.5%	2,358	2,359	1	0.0%
24.7%	2,357	2,359	1	0.0%
25.9%	2,357	2,358	1	0.1%
27.2%	2,357	2,357	0	0.0%
28.4%	2,357	2,357	0	0.0%
29.6%	2,357	2,357	0	0.0%
30.9%	2,356	2,357	0	0.0%
32.1%	2,356	2,357	1	0.0%
33.3%	2,356	2,357	1	0.0%
34.6%	2,355	2,356	1	0.0%
35.8%	2,355	2,356	1	0.0%
37.0%	2,354	2,355	2	0.1%
38.3%	2,353	2,355	2	0.1%
39.5%	2,353	2,354	1	0.0%
40.7%	2,351	2,354	2	0.1%
42.0%	2,350	2,353	2	0.1%
43.2%	2,350	2,351	1	0.0%
44.4%	2,348	2,351	2	0.1%
45.7%	2,348	2,351	2	0.1%
46.9%	2,348	2,350	3	0.1%
48.1%	2,345	2,349	4	0.2%
49.4%	2,345	2,348	4	0.2%
50.6%	2,343	2,343	1	0.0%
51.9%	2,342	2,341	-1	0.0%
53.1%	2,338	2,341	3	0.1%
54.3%	2,338	2,339	2	0.1%
55.6%	2,336	2,338	2	0.1%
56.8%	2,335	2,336	2	0.1%
58.0%	2,333	2,335	2	0.1%
59.3%	2,333	2,334	1	0.0%
60.5%	2,330	2,333	3	0.1%
61.7%	2,329	2,332	3	0.1%
63.0%	2,328	2,331	3	0.1%
64.2%	2,325	2,330	6	0.2%
65.4%	2,323	2,330	7	0.3%
66.7%	2,320	2,328	8	0.3%
67.9%	2,316	2,325	8	0.4%
69.1%	2,314	2,316	1	0.1%
70.4%	2,309	2,315	6	0.3%
71.6%	2,309	2,313	5	0.2%
72.8%	2,302	2,313	11	0.5%
74.1%	2,301	2,308	7	0.3%
75.3%	2,298	2,307	8	0.4%
76.5%	2,295	2,303	7	0.3%
77.8%	2,295	2,301	7	0.3%
79.0%	2,291	2,301	10	0.4%
80.2%	2,289	2,297	8	0.3%
81.5%	2,287	2,296	9	0.4%
82.7%	2,287	2,296	9	0.4%
84.0%	2,286	2,290	4	0.2%
85.2%	2,268	2,289	21	0.9%
86.4%	2,268	2,276	8	0.4%
87.7%	2,266	2,269	2	0.1%
88.9%	2,266	2,268	2	0.1%
90.1%	2,259	2,265	5	0.2%
91.4%	2,256	2,257	1	0.0%
92.6%	2,246	2,255	9	0.4%
93.8%	2,242	2,249	7	0.3%
95.1%	2,238	2,245	7	0.3%
96.3%	2,236	2,244	8	0.4%
97.5%	2,222	2,222	0	0.0%
98.8%	2,204	2,221	17	0.8%
100.0%	2,196	2,221	25	1.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	1	0.0%
11.1%	2,363	2,363	1	0.0%
12.3%	2,362	2,363	0	0.0%
13.6%	2,362	2,363	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,362	1	0.0%
19.8%	2,361	2,362	1	0.0%
21.0%	2,360	2,361	1	0.1%
22.2%	2,360	2,361	1	0.0%
23.5%	2,359	2,360	1	0.0%
24.7%	2,358	2,360	2	0.1%
25.9%	2,357	2,359	2	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,354	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,353	0	0.0%
38.3%	2,349	2,351	2	0.1%
39.5%	2,348	2,349	1	0.1%
40.7%	2,347	2,349	2	0.1%
42.0%	2,347	2,348	1	0.1%
43.2%	2,345	2,348	3	0.1%
44.4%	2,344	2,348	3	0.1%
45.7%	2,344	2,347	3	0.1%
46.9%	2,341	2,346	5	0.2%
48.1%	2,341	2,346	5	0.2%
49.4%	2,339	2,345	6	0.3%
50.6%	2,337	2,340	3	0.1%
51.9%	2,337	2,339	2	0.1%
53.1%	2,337	2,338	2	0.1%
54.3%	2,336	2,335	0	0.0%
55.6%	2,335	2,334	-1	-0.1%
56.8%	2,333	2,334	1	0.0%
58.0%	2,331	2,332	1	0.0%
59.3%	2,328	2,331	4	0.2%
60.5%	2,328	2,330	3	0.1%
61.7%	2,326	2,329	3	0.1%
63.0%	2,324	2,328	4	0.2%
64.2%	2,321	2,328	7	0.3%
65.4%	2,319	2,327	8	0.3%
66.7%	2,319	2,323	5	0.2%
67.9%	2,317	2,321	4	0.2%
69.1%	2,316	2,321	4	0.2%
70.4%	2,306	2,318	11	0.5%
71.6%	2,304	2,316	12	0.5%
72.8%	2,302	2,310	9	0.4%
74.1%	2,302	2,310	9	0.4%
75.3%	2,301	2,302	1	0.1%
76.5%	2,290	2,301	11	0.5%
77.8%	2,289	2,300	11	0.5%
79.0%	2,287	2,297	10	0.4%
80.2%	2,287	2,295	9	0.4%
81.5%	2,286	2,292	7	0.3%
82.7%	2,282	2,291	10	0.4%
84.0%	2,280	2,291	11	0.5%
85.2%	2,277	2,281	4	0.2%
86.4%	2,271	2,273	2	0.1%
87.7%	2,265	2,272	7	0.3%
88.9%	2,263	2,268	5	0.2%
90.1%	2,261	2,261	0	0.0%
91.4%	2,259	2,256	-3	-0.2%
92.6%	2,240	2,249	9	0.4%
93.8%	2,239	2,248	9	0.4%
95.1%	2,237	2,245	8	0.3%
96.3%	2,234	2,241	7	0.3%
97.5%	2,227	2,227	0	0.0%
98.8%	2,202	2,224	22	1.0%
100.0%	2,200	2,219	19	0.9%

Table SW-02-7b

Trinity Lake, End of Month Elevation

Probability of Exceedance

	June				July				August				September			
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
1.2%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
2.5%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
3.7%	2,370	2,370	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
4.9%	2,369	2,369	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
6.2%	2,369	2,369	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
7.4%	2,367	2,368	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
8.6%	2,367	2,367	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
9.9%	2,365	2,367	2	0.1%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
11.1%	2,364	2,365	1	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
12.3%	2,364	2,364	0	0.0%	2,359	2,359	0	0.0%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
13.6%	2,363	2,363	0	0.0%	2,358	2,359	2	0.1%	2,353	2,353	0	0.0%	2,343	2,343	0	0.0%
14.8%	2,362	2,361	0	0.0%	2,358	2,359	2	0.1%	2,352	2,353	1	0.1%	2,343	2,343	0	0.0%
16.0%	2,361	2,361	0	0.0%	2,357	2,359	1	0.1%	2,351	2,352	2	0.1%	2,343	2,343	0	0.0%
17.3%	2,361	2,361	0	0.0%	2,357	2,357	0	0.0%	2,350	2,351	1	0.0%	2,343	2,343	0	0.0%
18.5%	2,360	2,361	0	0.0%	2,357	2,357	0	0.0%	2,350	2,351	1	0.0%	2,343	2,342	-1	0.0%
19.8%	2,359	2,360	1	0.0%	2,355	2,355	0	0.0%	2,348	2,349	1	0.0%	2,342	2,341	-1	0.0%
21.0%	2,359	2,359	0	0.0%	2,354	2,354	0	0.0%	2,348	2,348	0	0.0%	2,334	2,339	6	0.2%
22.2%	2,357	2,359	2	0.1%	2,352	2,351	0	0.0%	2,347	2,345	-2	-0.1%	2,334	2,334	1	0.0%
23.5%	2,356	2,359	2	0.1%	2,350	2,351	2	0.1%	2,341	2,341	0	0.0%	2,330	2,334	4	0.2%
24.7%	2,356	2,357	1	0.0%	2,349	2,350	1	0.0%	2,341	2,341	1	0.0%	2,329	2,333	4	0.2%
25.9%	2,356	2,356	0	0.0%	2,349	2,349	0	0.0%	2,339	2,341	2	0.1%	2,327	2,330	3	0.1%
27.2%	2,355	2,356	1	0.0%	2,349	2,349	0	0.0%	2,336	2,339	3	0.1%	2,326	2,326	0	0.0%
28.4%	2,353	2,355	2	0.1%	2,346	2,349	3	0.1%	2,336	2,337	1	0.0%	2,325	2,326	1	0.0%
29.6%	2,353	2,353	0	0.0%	2,346	2,346	0	0.0%	2,334	2,336	2	0.1%	2,323	2,325	2	0.1%
30.9%	2,352	2,352	0	0.0%	2,344	2,344	0	0.0%	2,334	2,334	0	0.0%	2,322	2,325	3	0.1%
32.1%	2,351	2,351	0	0.0%	2,343	2,343	0	0.0%	2,331	2,334	3	0.1%	2,319	2,324	6	0.2%
33.3%	2,351	2,351	0	0.0%	2,342	2,342	0	0.0%	2,329	2,332	3	0.1%	2,318	2,321	3	0.1%
34.6%	2,350	2,350	0	0.0%	2,341	2,342	1	0.0%	2,329	2,331	2	0.1%	2,317	2,320	3	0.1%
35.8%	2,349	2,350	1	0.0%	2,339	2,341	2	0.1%	2,328	2,329	2	0.1%	2,316	2,317	1	0.0%
37.0%	2,347	2,349	1	0.1%	2,339	2,341	2	0.1%	2,326	2,328	2	0.1%	2,314	2,315	2	0.1%
38.3%	2,346	2,349	3	0.1%	2,336	2,339	3	0.1%	2,326	2,326	0	0.0%	2,314	2,314	0	0.0%
39.5%	2,346	2,346	1	0.0%	2,327	2,334	7	0.3%	2,314	2,321	7	0.3%	2,302	2,309	7	0.3%
40.7%	2,341	2,346	5	0.2%	2,327	2,334	7	0.3%	2,313	2,321	8	0.3%	2,301	2,309	8	0.3%
42.0%	2,341	2,344	3	0.1%	2,325	2,329	4	0.2%	2,310	2,319	9	0.4%	2,298	2,307	9	0.4%
43.2%	2,338	2,342	4	0.2%	2,323	2,327	4	0.2%	2,310	2,315	5	0.2%	2,297	2,303	5	0.2%
44.4%	2,338	2,339	1	0.0%	2,323	2,326	3	0.1%	2,310	2,313	3	0.1%	2,297	2,301	4	0.2%
45.7%	2,336	2,338	2	0.1%	2,323	2,325	3	0.1%	2,310	2,311	1	0.0%	2,297	2,300	4	0.2%
46.9%	2,335	2,338	3	0.1%	2,322	2,323	1	0.0%	2,307	2,310	3	0.1%	2,296	2,299	3	0.1%
48.1%	2,334	2,338	4	0.2%	2,322	2,323	1	0.1%	2,307	2,310	3	0.1%	2,295	2,298	3	0.1%
49.4%	2,333	2,336	3	0.1%	2,320	2,322	2	0.1%	2,304	2,310	6	0.3%	2,295	2,298	3	0.1%
50.6%	2,331	2,335	3	0.1%	2,319	2,321	2	0.1%	2,303	2,308	5	0.2%	2,294	2,297	3	0.1%
51.9%	2,328	2,332	4	0.2%	2,314	2,320	6	0.2%	2,302	2,307	5	0.2%	2,293	2,297	4	0.2%
53.1%	2,327	2,331	4	0.2%	2,313	2,319	6	0.2%	2,300	2,307	6	0.3%	2,292	2,296	4	0.2%
54.3%	2,326	2,330	4	0.2%	2,312	2,319	7	0.3%	2,299	2,307	8	0.3%	2,291	2,296	5	0.2%
55.6%	2,326	2,329	3	0.1%	2,310	2,318	8	0.3%	2,296	2,306	10	0.4%	2,290	2,295	5	0.2%
56.8%	2,325	2,328	3	0.1%	2,309	2,316	7	0.3%	2,295	2,305	10	0.4%	2,286	2,293	8	0.3%
58.0%	2,323	2,328	5	0.2%	2,308	2,315	7	0.3%	2,293	2,303	10	0.4%	2,284	2,293	10	0.4%
59.3%	2,322	2,326	4	0.2%	2,307	2,314	7	0.3%	2,293	2,302	10	0.4%	2,283	2,293	10	0.4%
60.5%	2,320	2,326	5	0.2%	2,307	2,313	7	0.3%	2,292	2,301	9	0.4%	2,282	2,292	9	0.4%
61.7%	2,320	2,324	4	0.2%	2,307	2,313	6	0.3%	2,292	2,299	8	0.3%	2,282	2,290	8	0.4%
63.0%	2,318	2,322	3	0.1%	2,306	2,313	7	0.3%	2,292	2,297	5	0.2%	2,282	2,290	8	0.4%
64.2%	2,317	2,321	4	0.2%	2,306	2,309	4	0.2%	2,288	2,295	7	0.3%	2,278	2,286	8	0.3%
65.4%	2,315	2,321	6	0.3%	2,303	2,307	3	0.1%	2,288	2,295	7	0.3%	2,277	2,285	8	0.4%
66.7%	2,314	2,320	6	0.3%	2,299	2,306	7	0.3%	2,286	2,294	8	0.3%	2,272	2,285	13	0.6%
67.9%	2,314	2,318	5	0.2%	2,299	2,306	7	0.3%	2,280	2,294	14	0.6%	2,269	2,284	16	0.7%
69.1%	2,312	2,318	6	0.3%	2,295	2,306	10	0.5%	2,280	2,293	13	0.6%	2,269	2,281	12	0.5%
70.4%	2,309	2,314	6	0.2%	2,295	2,302	8	0.3%	2,280	2,291	11	0.5%	2,269	2,279	11	0.5%
71.6%	2,301	2,314	12	0.5%	2,292	2,302	10	0.5%	2,278	2,289	11	0.5%	2,267	2,276	9	0.4%
72.8%	2,300	2,309	9	0.4%	2,290	2,302	12	0.5%	2,277	2,287	10	0.5%	2,267	2,272	5	0.2%
74.1%	2,299	2,307	8	0.4%	2,289	2,291	2	0.1%	2,274	2,279	5	0.2%	2,266	2,267	1	0.0%
75.3%	2,297	2,303	6	0.2%	2,287	2,289	2	0.1%	2,274	2,272	-2	-0.1%	2,263	2,263	1	0.0%
76.5%	2,288	2,299	12	0.5%	2,287	2,288	1	0.1%	2,273	2,268	-6	-0.2%	2,257	2,259	2	0.1%
77.8%	2,284	2,291	7	0.3%	2,270	2,276	6	0.3%	2,262	2,264	3	0.1%	2,254	2,256	3	0.1%
79.0%	2,283	2,289	6	0.3%	2,268	2,276	8	0.4%	2,259	2,264	5	0.2%	2,251	2,256	6	0.3%
80.2%	2,281	2,289	8	0.3%	2,267	2,275	8	0.4%	2,255	2,263	8	0.4%	2,245	2,254	9	0.4%
81.5%	2,281	2,288	7	0.3%	2,266	2,273	7	0.3%	2,254	2,262	9	0.4%	2,244	2,253	9	0.4%
82.7%	2,281	2,287	6	0.3%	2,265	2,273	8	0.3%	2,252	2,262	10	0.4%	2,242	2,252	10	0.4%
84.0%	2,280	2,286	6	0.3%	2,265	2,272	8	0.3%	2,251	2,259	7	0.3%	2,242	2,249	7	0.3%
85.2%	2,274	2,281	7	0.3%	2,263	2,271	9	0.4%	2,251	2,258	7	0.3%	2,242	2,248	7	0.3%
86.4%	2,274	2,278	4	0.2%	2,263	2,265	3	0.1%	2,246	2,254	7	0.3%	2,236	2,244	8	0.4%
87.7%	2,265	2,276	11	0.5%	2,253	2,260	8	0.3%	2,239	2,249	9	0.4%	2,228	2,239	12	0.5%
88.9%	2,262	2,265	3	0.1%	2,244	2,253	9	0.4%	2,233	2,233	0	0.0%	2,221	2,223	2	0.1%
90.1%	2,256	2,256	0	0.0%	2,238	2,244	6	0.3%	2,220	2,224	4	0.2%	2,208	2,210	2	0.1%
91.4%	2,252	2,249	-3	-0.2%	2,236	2,234	-3	-0.1%	2,207	2,217	10	0.5%	2,201	2,209	8	0.3%
92.6%	2,238	2,247	9	0.4%	2,223	2,233	11	0.5%	2,206	2,216	10	0.4%	2,201	2,208	7	0.3%
93.8%	2,234	2,244	10	0.4%	2,217	2,229	12	0.5%	2,204	2,212	8	0.4%	2,183	2,205	23	1.0%
95.1%	2,234	2,242	8	0.4%	2,213	2,226	13	0.6%	2,201	2,208	7	0.3%	2,182	2,202	20	0.9%
96.3%	2,229	2,236	7	0.3%	2,211	2,223	12	0.6%	2,183	2,207	24	1.1%	2,174	2,201	27	1.2%
97.5%	2,228	2,236	8	0.4%	2,206	2,219	13	0.6%	2,172	2,206	35	1.6%	2,164	2,201	37	1.7%
98.8%	2,219	2,228	9	0.4%	2,195	2,213	18	0.8%	2,170	2,198	28	1.3%	2,157	2,189	32	1.5%
100.0%	2,202	2,223	21	1.0%	2,191	2,208	16	0.7%	2,154	2,182	28	1.3%	2,103	2,136	33	1.6%

Table SW-03-7a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative C	10,943	11,009	11,284	11,594	12,148	12,743	13,431	13,400	13,232	12,583	11,898	11,273
Difference	362	373	350	302	280	237	212	211	211	248	304	317
Percent Difference[3]	3.4%	3.5%	3.2%	2.7%	2.4%	1.9%	1.6%	1.6%	1.6%	2.0%	2.6%	2.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative C	13,146	13,188	13,261	13,253	13,993	14,546	15,256	15,393	15,293	14,768	14,259	13,626
Difference	81	77	72	137	103	54	39	38	38	37	43	54
Percent Difference	0.6%	0.6%	0.5%	1.0%	0.7%	0.4%	0.3%	0.3%	0.2%	0.3%	0.3%	0.4%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative C	12,447	12,447	12,591	12,323	13,095	13,920	14,647	14,686	14,555	14,025	13,425	12,759
Difference	417	451	451	580	560	503	461	448	429	432	473	476
Percent Difference	3.5%	3.8%	3.7%	4.9%	4.5%	3.7%	3.2%	3.1%	3.0%	3.2%	3.6%	3.9%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative C	10,484	10,652	11,066	10,959	11,362	11,862	12,758	12,711	12,514	11,884	11,201	10,620
Difference	233	221	178	263	248	230	198	194	196	235	265	269
Percent Difference	2.3%	2.1%	1.6%	2.5%	2.2%	2.0%	1.6%	1.6%	1.6%	2.0%	2.4%	2.6%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative C	9,754	9,834	10,423	11,063	11,516	12,191	12,871	12,644	12,358	11,570	10,743	10,084
Difference	434	456	435	271	255	199	173	191	199	229	361	368
Percent Difference	4.7%	4.9%	4.4%	2.5%	2.3%	1.7%	1.4%	1.5%	1.6%	2.0%	3.5%	3.8%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative C	6,985	7,029	7,240	8,805	9,065	9,518	9,886	9,734	9,591	8,745	7,799	7,232
Difference	962	989	927	474	460	430	410	400	403	562	663	710
Percent Difference	16.0%	16.4%	14.7%	5.7%	5.3%	4.7%	4.3%	4.3%	4.4%	6.9%	9.3%	10.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-03-7b
Trinity Lake, End of Month Area
Probability of Exceedance

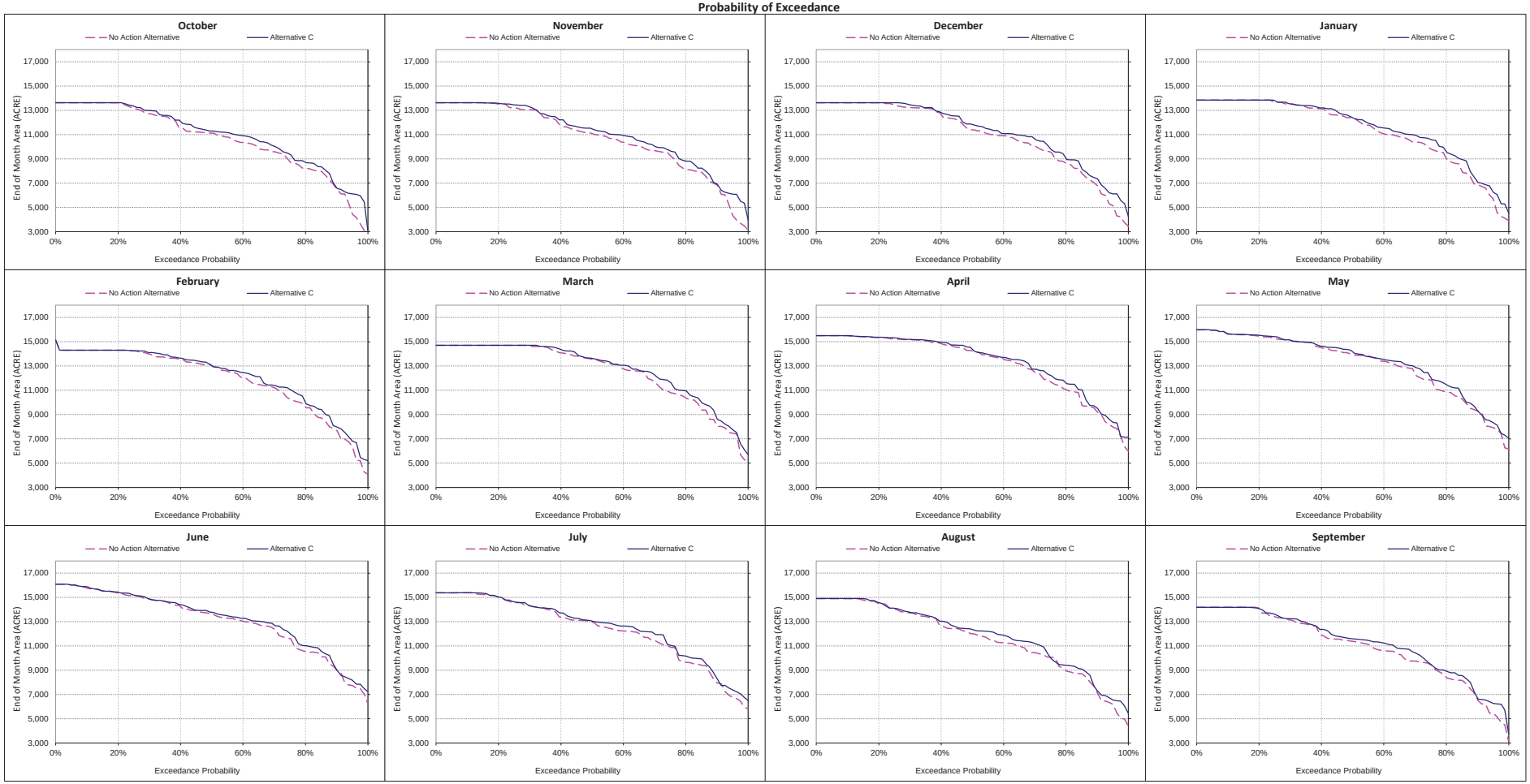

Table SW-03-7b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,537	104	0.8%
23.5%	13,316	13,433	117	0.9%
24.7%	13,198	13,361	163	1.2%
25.9%	13,095	13,233	138	1.1%
27.2%	13,015	13,229	214	1.6%
28.4%	12,826	13,008	182	1.4%
29.6%	12,735	12,978	243	1.9%
30.9%	12,689	12,964	276	2.2%
32.1%	12,584	12,946	362	2.9%
33.3%	12,522	12,647	125	1.0%
34.6%	12,513	12,584	71	0.6%
35.8%	12,455	12,571	116	0.9%
37.0%	12,208	12,491	283	2.3%
38.3%	12,186	12,194	8	0.1%
39.5%	11,561	12,191	630	5.4%
40.7%	11,512	11,910	397	3.5%
42.0%	11,274	11,845	571	5.1%
43.2%	11,257	11,834	577	5.1%
44.4%	11,243	11,592	348	3.1%
45.7%	11,209	11,512	304	2.7%
46.9%	11,188	11,453	265	2.4%
48.1%	11,159	11,375	216	1.9%
49.4%	11,129	11,300	171	1.5%
50.6%	11,119	11,285	166	1.5%
51.9%	10,941	11,236	296	2.7%
53.1%	10,897	11,202	305	2.8%
54.3%	10,807	11,190	383	3.5%
55.6%	10,780	11,138	358	3.3%
56.8%	10,560	11,062	502	4.8%
58.0%	10,448	10,975	527	5.0%
59.3%	10,357	10,937	580	5.6%
60.5%	10,355	10,882	527	5.1%
61.7%	10,290	10,853	562	5.5%
63.0%	10,214	10,747	533	5.2%
64.2%	10,075	10,604	530	5.3%
65.4%	9,799	10,420	622	6.3%
66.7%	9,746	10,392	646	6.6%
67.9%	9,736	10,313	577	5.9%
69.1%	9,601	10,109	508	5.3%
70.4%	9,570	10,011	440	4.6%
71.6%	9,472	9,830	358	3.8%
72.8%	9,431	9,579	148	1.6%
74.1%	9,054	9,502	448	4.9%
75.3%	8,699	9,315	616	7.1%
76.5%	8,658	8,868	210	2.4%
77.8%	8,507	8,858	351	4.1%
79.0%	8,242	8,846	604	7.3%
80.2%	8,231	8,678	447	5.4%
81.5%	8,169	8,665	497	6.1%
82.7%	8,058	8,614	556	6.9%
84.0%	7,986	8,356	371	4.6%
85.2%	7,965	8,339	374	4.7%
86.4%	7,642	8,071	429	5.6%
87.7%	7,259	7,812	553	7.6%
88.9%	6,913	7,014	101	1.5%
90.1%	6,463	6,567	104	1.6%
91.4%	6,120	6,471	352	5.7%
92.6%	6,101	6,296	195	3.2%
93.8%	5,334	6,149	815	15.3%
95.1%	4,426	6,120	1,693	38.3%
96.3%	4,168	6,062	1,895	45.5%
97.5%	3,652	5,958	2,306	63.1%
98.8%	3,120	5,461	2,341	75.0%
100.0%	3,120	3,120	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,604	13,609	5	0.0%
17.3%	13,596	13,604	8	0.1%
18.5%	13,579	13,596	16	0.1%
19.8%	13,525	13,579	54	0.4%
21.0%	13,525	13,543	18	0.1%
22.2%	13,512	13,530	18	0.1%
23.5%	13,242	13,516	273	2.1%
24.7%	13,192	13,461	269	2.0%
25.9%	13,188	13,438	250	1.9%
27.2%	13,070	13,423	353	2.7%
28.4%	13,049	13,413	364	2.8%
29.6%	13,047	13,327	280	2.1%
30.9%	13,041	13,208	167	1.3%
32.1%	13,037	13,034	-3	0.0%
33.3%	12,746	12,746	0	0.0%
34.6%	12,406	12,697	291	2.3%
35.8%	12,369	12,558	189	1.5%
37.0%	12,344	12,500	156	1.3%
38.3%	12,237	12,464	227	1.9%
39.5%	11,839	12,223	384	3.2%
40.7%	11,648	12,219	571	4.9%
42.0%	11,625	11,828	203	1.7%
43.2%	11,476	11,748	271	2.4%
44.4%	11,422	11,695	273	2.4%
45.7%	11,296	11,626	330	2.9%
46.9%	11,214	11,560	346	3.1%
48.1%	11,152	11,538	386	3.5%
49.4%	11,137	11,533	396	3.6%
50.6%	11,023	11,399	375	3.4%
51.9%	10,970	11,324	354	3.2%
53.1%	10,910	11,266	356	3.3%
54.3%	10,861	11,200	339	3.1%
55.6%	10,688	11,046	358	3.3%
56.8%	10,669	11,013	344	3.2%
58.0%	10,585	11,005	420	4.0%
59.3%	10,396	10,971	575	5.5%
60.5%	10,347	10,901	554	5.4%
61.7%	10,202	10,847	644	6.3%
63.0%	10,123	10,797	674	6.7%
64.2%	10,089	10,543	454	4.5%
65.4%	10,075	10,461	386	3.8%
66.7%	9,874	10,385	511	5.2%
67.9%	9,737	10,250	513	5.3%
69.1%	9,707	10,177	470	4.8%
70.4%	9,663	9,997	334	3.5%
71.6%	9,598	9,919	321	3.3%
72.8%	9,542	9,916	375	3.9%
74.1%	9,539	9,773	234	2.5%
75.3%	9,203	9,631	427	4.6%
76.5%	8,953	9,570	617	6.9%
77.8%	8,470	9,023	553	6.5%
79.0%	8,245	8,870	625	7.6%
80.2%	8,103	8,816	713	8.8%
81.5%	8,101	8,809	708	8.7%
82.7%	8,011	8,563	552	6.9%
84.0%	7,943	8,242	299	3.8%
85.2%	7,882	8,237	355	4.5%
86.4%	7,546	7,976	430	5.7%
87.7%	7,155	7,708	553	7.7%
88.9%	6,983	7,087	104	1.5%
90.1%	6,840	6,900	60	0.9%
91.4%	6,081	6,408	326	5.4%
92.6%	6,031	6,236	204	3.4%
93.8%	5,218	6,161	943	18.1%
95.1%	4,329	6,097	1,769	40.9%
96.3%	3,940	6,081	2,141	54.3%
97.5%	3,686	5,505	1,819	49.3%
98.8%	3,471	5,345	1,874	54.0%
100.0%	3,120	3,940	820	26.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,625	70	0.5%
24.7%	13,478	13,625	147	1.1%
25.9%	13,373	13,625	252	1.9%
27.2%	13,304	13,613	309	2.3%
28.4%	13,254	13,560	305	2.3%
29.6%	13,234	13,483	249	1.9%
30.9%	13,214	13,419	205	1.6%
32.1%	13,198	13,375	177	1.3%
33.3%	13,195	13,348	153	1.2%
34.6%	13,174	13,221	47	0.4%
35.8%	13,168	13,218	49	0.4%
37.0%	13,130	13,214	83	0.6%
38.3%	12,884	12,942	58	0.5%
39.5%	12,808	12,885	77	0.6%
40.7%	12,394	12,737	343	2.8%
42.0%	12,383	12,663	280	2.3%
43.2%	12,339	12,552	213	1.7%
44.4%	12,282	12,529	247	2.0%
45.7%	12,147	12,505	357	2.9%
46.9%	11,843	12,049	207	1.7%
48.1%	11,541	11,879	338	2.9%
49.4%	11,401	11,874	473	4.2%
50.6%	11,375	11,789	414	3.6%
51.9%	11,307	11,699	392	3.5%
53.1%	11,298	11,648	351	3.1%
54.3%	11,099	11,504	405	3.6%
55.6%	11,025	11,448	422	3.8%
56.8%	10,992	11,336	344	3.1%
58.0%	10,927	11,327	400	3.7%
59.3%	10,917	11,092	175	1.6%
60.5%	10,917	11,090	173	1.6%
61.7%	10,788	11,086	298	2.8%
63.0%	10,747	11,066	320	3.0%
64.2%	10,536	10,967	431	4.1%
65.4%	10,427	10,960	533	5.1%
66.7%	10,329	10,899	570	5.5%
67.9%	10,306	10,827	521	5.1%
69.1%	10,056	10,824	768	7.6%
70.4%	10,018	10,564	546	5.5%
71.6%	9,816	10,454	638	6.5%
72.8%	9,690	10,433	743	7.7%
74.1%	9,643	10,120	477	4.9%
75.3%	9,535	9,761	226	2.4%
76.5%	9,014	9,566	551	6.1%
77.8%	8,835	9,554	720	8.1%
79.0%	8,798	9,438	641	7.3%
80.2%	8,590	8,933	343	4.0%
81.5%	8,519	8,929	410	4.8%
82.7%	8,212	8,924	713	8.7%
84.0%	8,211	8,836	625	7.6%
85.2%	7,777	8,134	357	4.6%
86.4%	7,478	7,908	430	5.8%
87.7%	7,260	7,602	342	4.7%
88.9%	7,049	7,456	407	5.8%
90.1%	6,775	7,365	590	8.7%
91.4%	6,105	6,835	731	12.0%
92.6%	5,992	6,571	578	9.7%
93.8%	5,295	6,202	907	17.1%
95.1%	5,141	6,119	978	19.0%
96.3%	4,295	6,105	1,810	42.1%
97.5%	4,228	5,581	1,353	32.0%
98.8%	3,727	5,311	1,583	42.5%
100.0%	3,434	4,228	794	23.1%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,850	141	1.0%
25.9%	13,675	13,675	0	0.0%
27.2%	13,654	13,668	14	0.1%
28.4%	13,535	13,667	132	1.0%
29.6%	13,512	13,531	19	0.1%
30.9%	13,488	13,516	28	0.2%
32.1%	13,436	13,438	2	0.0%
33.3%	13,434	13,409	-25	-0.2%
34.6%	13,328	13,402	74	0.6%
35.8%	13,194	13,402	208	1.6%
37.0%	13,181	13,374	193	1.5%
38.3%	13,151	13,290	139	1.1%
39.5%	13,138	13,209	71	0.5%
40.7%	13,125	13,199	75	0.6%
42.0%	12,782	13,138	357	2.8%
43.2%	12,633	13,133	499	4.0%
44.4%	12,614	12,997	383	3.0%
45.7%	12,588	12,782	193	1.5%
46.9%	12,526	12,672	146	1.2%
48.1%	12,393	12,614	221	1.8%
49.4%	12,378	12,479	101	0.8%
50.6%	12,312	12,316	4	0.0%
51.9%	12,110	12,243	133	1.1%
53.1%	11,893	12,205	312	2.6%
54.3%	11,782	12,031	249	2.1%
55.6%	11,759	11,885	126	1.1%
56.8%	11,506	11,801	295	2.6%
58.0%	11,270	11,606	336	3.0%
59.3%	11,117	11,575	458	4.1%
60.5%	11,019	11,527	508	4.6%
61.7%	10,995	11,497	502	4.6%
63.0%	10,968	11,299	331	3.0%
64.2%	10,883	11,234	351	3.2%
65.4%	10,781	11,159	379	3.5%
66.7%	10,725	11,069	344	3.2%
67.9%	10,596	11,011	415	3.9%
69.1%	10,394	11,001	607	5.8%
70.4%	10,377	10,923	546	5.3%
71.6%	10,355	10,752	398	3.8%
72.8%	10,258	10,732	474	4.6%
74.1%	9,973	10,705	732	7.3%
75.3%	9,776	10,557	780	8.0%
76.5%	9,665	10,521	856	8.9%
77.8%	9,574	10,038	464	4.9%
79.0%	9,526	9,958	432	4.5%
80.2%	8,906	9,526	620	7.0%
81.5%	8,756	9,387	631	7.2%
82.7%	8,629	9,254	625	7.2%
84.0%	8,601	9,042	441	5.1%
85.2%	7,885	8,940	1,055	13.4%
86.4%	7,818	8,826	1,008	12.9%
87.7%	7,541	7,971	430	5.7%
88.9%	6,942	7,495	553	8.0%
90.1%	6,872	7,063	191	2.8%
91.4%	6,720	6,996	276	4.1%
92.6%	6,599	6,872	272	4.1%
93.8%	6,033	6,780	747	12.4%
95.1%	5,695	6,237	542	9.5%
96.3%	4,551	6,061	1,510	33.2%
97.5%	4,271	5,299	1,028	24.1%
98.8%	4,111	5,287	1,176	28.6%
100.0%	3,895	4,551	656	16.8%

Table SW-03-7b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,259	14,270	11	0.1%
24.7%	14,244	14,261	16	0.1%
25.9%	14,232	14,259	27	0.2%
27.2%	14,106	14,244	139	1.0%
28.4%	14,096	14,232	136	1.0%
29.6%	14,006	14,116	110	0.8%
30.9%	13,913	14,100	187	1.3%
32.1%	13,758	14,064	306	2.2%
33.3%	13,742	14,027	285	2.1%
34.6%	13,739	13,938	199	1.4%
35.8%	13,663	13,910	247	1.8%
37.0%	13,640	13,739	99	0.7%
38.3%	13,640	13,716	76	0.6%
39.5%	13,566	13,651	85	0.6%
40.7%	13,524	13,618	93	0.7%
42.0%	13,330	13,510	180	1.4%
43.2%	13,300	13,490	190	1.4%
44.4%	13,245	13,466	221	1.7%
45.7%	13,224	13,396	172	1.3%
46.9%	13,126	13,329	203	1.5%
48.1%	13,118	13,313	195	1.5%
49.4%	13,116	13,144	28	0.2%
50.6%	12,922	12,922	0	0.0%
51.9%	12,884	12,915	31	0.2%
53.1%	12,636	12,793	158	1.2%
54.3%	12,628	12,774	146	1.2%
55.6%	12,504	12,638	133	1.1%
56.8%	12,457	12,621	164	1.3%
58.0%	12,389	12,594	206	1.7%
59.3%	12,071	12,489	418	3.5%
60.5%	12,069	12,435	366	3.0%
61.7%	11,834	12,370	536	4.5%
63.0%	11,593	12,248	655	5.7%
64.2%	11,532	12,131	598	5.2%
65.4%	11,450	12,110	660	5.8%
66.7%	11,395	11,583	188	1.6%
67.9%	11,320	11,438	118	1.0%
69.1%	11,288	11,431	143	1.3%
70.4%	11,174	11,386	212	1.9%
71.6%	10,937	11,270	333	3.0%
72.8%	10,803	11,260	457	4.2%
74.1%	10,409	11,214	805	7.7%
75.3%	10,218	11,026	808	7.9%
76.5%	10,112	10,831	719	7.1%
77.8%	10,031	10,656	625	6.2%
79.0%	9,924	10,543	619	6.2%
80.2%	9,554	9,865	311	3.3%
81.5%	9,551	9,739	188	2.0%
82.7%	9,074	9,680	606	6.7%
84.0%	8,780	9,472	692	7.9%
85.2%	8,698	9,405	707	8.1%
86.4%	8,428	9,008	579	6.9%
87.7%	8,004	8,884	880	11.0%
88.9%	7,824	8,100	276	3.5%
90.1%	7,672	7,957	286	3.7%
91.4%	6,985	7,824	839	12.0%
92.6%	6,980	7,533	552	7.9%
93.8%	6,747	7,179	433	6.4%
95.1%	6,362	6,807	445	7.0%
96.3%	5,226	6,677	1,451	27.8%
97.5%	5,207	5,472	265	5.1%
98.8%	4,282	5,297	1,015	23.7%
100.0%	4,070	5,207	1,137	27.9%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,700	14,700	0	0.0%
29.6%	14,700	14,700	0	0.0%
30.9%	14,614	14,700	86	0.6%
32.1%	14,611	14,700	89	0.6%
33.3%	14,606	14,614	8	0.1%
34.6%	14,577	14,606	28	0.2%
35.8%	14,516	14,597	81	0.6%
37.0%	14,332	14,572	240	1.7%
38.3%	14,224	14,516	292	2.0%
39.5%	14,096	14,406	309	2.2%
40.7%	14,056	14,277	221	1.6%
42.0%	13,998	14,244	246	1.8%
43.2%	13,918	14,224	307	2.2%
44.4%	13,817	14,155	338	2.4%
45.7%	13,815	13,840	25	0.2%
46.9%	13,701	13,755	54	0.4%
48.1%	13,649	13,667	17	0.1%
49.4%	13,587	13,647	61	0.4%
50.6%	13,516	13,593	77	0.6%
51.9%	13,468	13,521	53	0.4%
53.1%	13,345	13,446	101	0.8%
54.3%	13,265	13,419	153	1.2%
55.6%	13,191	13,340	149	1.1%
56.8%	13,139	13,144	5	0.0%
58.0%	13,134	13,130	-4	0.0%
59.3%	12,858	13,060	202	1.6%
60.5%	12,706	13,056	350	2.8%
61.7%	12,633	13,004	371	2.9%
63.0%	12,600	12,739	139	1.1%
64.2%	12,596	12,739	142	1.1%
65.4%	12,567	12,618	51	0.4%
66.7%	12,508	12,560	52	0.4%
67.9%	11,969	12,549	580	4.8%
69.1%	11,844	12,413	569	4.8%
70.4%	11,623	12,189	566	4.9%
71.6%	11,266	11,921	654	5.8%
72.8%	11,005	11,886	882	8.0%
74.1%	10,946	11,832	887	8.1%
75.3%	10,781	11,595	814	7.5%
76.5%	10,722	11,107	385	3.6%
77.8%	10,641	11,006	365	3.4%
79.0%	10,530	10,973	443	4.2%
80.2%	10,333	10,932	599	5.8%
81.5%	10,216	10,572	356	3.5%
82.7%	10,186	10,458	273	2.7%
84.0%	9,877	10,365	487	4.9%
85.2%	9,370	9,950	580	6.2%
86.4%	9,368	9,795	427	4.6%
87.7%	8,606	9,692	1,086	12.6%
88.9%	8,604	9,385	782	9.1%
90.1%	8,028	8,604	576	7.2%
91.4%	8,018	8,449	431	5.4%
92.6%	7,916	8,209	294	3.7%
93.8%	7,517	8,027	510	6.8%
95.1%	7,460	7,742	282	3.8%
96.3%	7,397	7,520	122	1.7%
97.5%	5,688	6,593	905	15.9%
98.8%	5,272	6,096	825	15.6%
100.0%	5,206	5,688	482	9.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,459	15,500	41	0.3%
12.3%	15,433	15,453	20	0.1%
13.6%	15,433	15,433	0	0.0%
14.8%	15,412	15,427	15	0.1%
16.0%	15,402	15,412	10	0.1%
17.3%	15,375	15,402	27	0.2%
18.5%	15,363	15,371	8	0.1%
19.8%	15,353	15,369	16	0.1%
21.0%	15,345	15,363	18	0.1%
22.2%	15,336	15,356	20	0.1%
23.5%	15,265	15,330	65	0.4%
24.7%	15,235	15,317	82	0.5%
25.9%	15,203	15,294	92	0.6%
27.2%	15,199	15,235	36	0.2%
28.4%	15,173	15,199	25	0.2%
29.6%	15,170	15,193	22	0.1%
30.9%	15,155	15,178	23	0.1%
32.1%	15,132	15,173	42	0.3%
33.3%	15,121	15,170	49	0.3%
34.6%	15,064	15,123	59	0.4%
35.8%	15,061	15,121	60	0.4%
37.0%	14,946	15,064	118	0.8%
38.3%	14,913	15,027	114	0.8%
39.5%	14,896	14,967	71	0.5%
40.7%	14,766	14,946	179	1.2%
42.0%	14,705	14,888	182	1.2%
43.2%	14,681	14,737	55	0.4%
44.4%	14,552	14,721	169	1.2%
45.7%	14,534	14,713	179	1.2%
46.9%	14,509	14,712	203	1.4%
48.1%	14,287	14,579	292	2.0%
49.4%	14,277	14,534	257	1.8%
50.6%	14,176	14,204	28	0.2%
51.9%	14,153	14,111	-42	-0.3%
53.1%	13,932	14,079	146	1.1%
54.3%	13,908	13,988	80	0.6%
55.6%	13,802	13,934	132	1.0%
56.8%	13,753	13,844	91	0.7%
58.0%	13,688	13,787	100	0.7%
59.3%	13,679	13,720	42	0.3%
60.5%	13,505	13,689	184	1.4%
61.7%	13,452	13,624	173	1.3%
63.0%	13,391	13,536	146	1.1%
64.2%	13,226	13,521	295	2.2%
65.4%	13,146	13,496	350	2.7%
66.7%	12,981	13,409	428	3.3%
67.9%	12,769	13,219	450	3.5%
69.1%	12,684	12,747	63	0.5%
70.4%	12,397	12,730	333	2.7%
71.6%	12,336	12,628	293	2.4%
72.8%	11,915	12,607	692	5.8%
74.1%	11,858	12,324	466	3.9%
75.3%	11,653	12,211	558	4.8%
76.5%	11,463	11,943	480	4.2%
77.8%	11,410	11,850	440	3.9%
79.0%	11,163	11,847	683	6.1%
80.2%	11,020	11,546	526	4.8%
81.5%	10,903	11,497	594	5.4%
82.7%	10,875	11,492	617	5.7%
84.0%	10,808	11,073	265	2.5%
85.2%	9,716	11,018	1,302	13.4%
86.4%	9,697	10,194	497	5.1%
87.7%	9,615	9,741	125	1.3%
88.9%	9,564	9,716	152	1.6%
90.1%	9,189	9,512	323	3.5%
91.4%	8,971	9,030	59	0.7%
92.6%	8,403	8,933	531	6.3%
93.8%	8,182	8,602	420	5.1%
95.1%	7,966	8,355	390	4.9%
96.3%	7,853	8,304	451	5.7%
97.5%	7,196	7,196	0	0.0%
98.8%	6,338	7,138	800	12.6%
100.0%	5,979	7,137	1,158	19.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,980	15,980	0	0.0%
1.2%	15,980	15,980	0	0.0%
2.5%	15,980	15,980	0	0.0%
3.7%	15,980	15,980	0	0.0%
4.9%	15,944	15,944	0	0.0%
6.2%	15,941	15,941	0	0.0%
7.4%	15,843	15,837	-6	0.0%
8.6%	15,835	15,835	0	0.0%
9.9%	15,619	15,663	44	0.3%
11.1%	15,601	15,634	33	0.2%
12.3%	15,592	15,613	21	0.1%
13.6%	15,582	15,601	19	0.1%
14.8%	15,572	15,595	23	0.1%
16.0%	15,571	15,582	11	0.1%
17.3%	15,541	15,571	30	0.2%
18.5%	15,502	15,566	64	0.4%
19.8%	15,466	15,541	75	0.5%
21.0%	15,404	15,502	99	0.6%
22.2%	15,395	15,466	71	0.5%
23.5%	15,386	15,433	47	0.3%
24.7%	15,238	15,425	187	1.2%
25.9%	15,215	15,386	171	1.1%
27.2%	15,185	15,238	53	0.3%
28.4%	15,160	15,157	-3	0.0%
29.6%	15,157	15,153	-3	0.0%
30.9%	15,038	15,038	0	0.0%
32.1%	15,033	15,033	0	0.0%
33.3%	14,993	14,993	0	0.0%
34.6%	14,952	14,952	0	0.0%
35.8%	14,949	14,951	2	0.0%
37.0%	14,931	14,921	-10	-0.1%
38.3%	14,610	14,779	169	1.2%
39.5%	14,543	14,636	93	0.6%
40.7%	14,458	14,610	152	1.1%
42.0%	14,431	14,543	112	0.8%
43.2%	14,286	14,537	251	1.8%
44.4%	14,265	14,507	242	1.7%
45.7%	14,240	14,468	228	1.6%
46.9%	14,108	14,385	278	2.0%
48.1%	14,097	14,366	269	1.9%
49.4%	13,986	14,300	314	2.2%
50.6%	13,901	14,050	149	1.1%
51.9%	13,871	13,969	98	0.7%
53.1%	13,867	13,952	85	0.6%
54.3%	13,807	13,792	-15	-0.1%
55.6%	13,797	13,732	-65	-0.5%
56.8%	13,668	13,700	33	0.2%
58.0%	13,578	13,628	50	0.4%
59.3%	13,390	13,579	189	1.4%
60.5%	13,374	13,514	140	1.0%
61.7%	13,268	13,441	173	1.3%
63.0%	13,203	13,425	221	1.7%
64.2%	13,021	13,381	360	2.8%
65.4%	12,934	13,348	414	3.2%
66.7%	12,899	13,140	241	1.9%
67.9%	12,829	13,048	218	1.7%
69.1%	12,786	13,014	228	1.8%
70.4%	12,199	12,857	658	5.4%
71.6%	12,033	12,748	715	5.9%
72.8%	11,885	12,462	577	4.9%
74.1%	11,883	12,453	570	4.8%
75.3%	11,821	11,912	91	0.8%
76.5%	11,081	11,810	729	6.6%
77.8%	11,030	11,761	731	6.6%
79.0%	10,921	11,599	678	6.2%
80.2%	10,867	11,463	595	5.5%
81.5%	10,800	11,250	450	4.2%
82.7%	10,546	11,199	653	6.2%
84.0%	10,447	11,175	728	7.0%
85.2%	10,264	10,505	241	2.3%
86.4%	9,887	10,021	135	1.4%
87.7%	9,514	9,941	428	4.5%
88.9%	9,407	9,690	283	3.0%
90.1%	9,274	9,274	0	0.0%
91.4%	9,175	8,977	-198	-2.2%
92.6%	8,052	8,581	529	6.6%
93.8%	8,011	8,510	498	6.2%
95.1%	7,918	8,338	420	5.3%
96.3%	7,777	8,117	340	4.4%
97.5%	7,451	7,451	0	0.0%
98.8%	6,256	7,295	1,039	16.6%
100.0%	6,157	7,052	896	14.5%

Table SW-03-7b

Trinity Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,026	0	0.0%
6.2%	16,021	16,021	0	0.0%
7.4%	15,903	15,935	31	0.2%
8.6%	15,888	15,903	15	0.1%
9.9%	15,770	15,888	118	0.8%
11.1%	15,710	15,770	59	0.4%
12.3%	15,696	15,704	8	0.1%
13.6%	15,661	15,661	0	0.0%
14.8%	15,559	15,531	-28	-0.2%
16.0%	15,518	15,516	-2	0.0%
17.3%	15,516	15,512	-4	0.0%
18.5%	15,438	15,467	29	0.2%
19.8%	15,372	15,443	71	0.5%
21.0%	15,358	15,367	8	0.1%
22.2%	15,203	15,356	153	1.0%
23.5%	15,157	15,345	187	1.2%
24.7%	15,146	15,203	57	0.4%
25.9%	15,116	15,146	30	0.2%
27.2%	15,049	15,116	66	0.4%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,898	-6	0.0%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,594	14,639	44	0.3%
37.0%	14,472	14,584	112	0.8%
38.3%	14,371	14,569	198	1.4%
39.5%	14,349	14,409	60	0.4%
40.7%	14,075	14,373	298	2.1%
42.0%	14,062	14,239	176	1.3%
43.2%	13,932	14,125	193	1.4%
44.4%	13,926	13,968	42	0.3%
45.7%	13,833	13,932	99	0.7%
46.9%	13,765	13,926	161	1.2%
48.1%	13,735	13,924	189	1.4%
49.4%	13,667	13,800	133	1.0%
50.6%	13,579	13,752	173	1.3%
51.9%	13,425	13,629	204	1.5%
53.1%	13,351	13,565	213	1.6%
54.3%	13,309	13,511	202	1.5%
55.6%	13,276	13,448	172	1.3%
56.8%	13,243	13,393	150	1.1%
58.0%	13,124	13,377	253	1.9%
59.3%	13,092	13,283	191	1.5%
60.5%	13,000	13,276	276	2.1%
61.7%	12,971	13,172	202	1.6%
63.0%	12,895	13,059	163	1.3%
64.2%	12,836	13,040	204	1.6%
65.4%	12,703	13,022	319	2.5%
66.7%	12,641	12,980	339	2.7%
67.9%	12,636	12,891	255	2.0%
69.1%	12,535	12,873	337	2.7%
70.4%	12,334	12,665	330	2.7%
71.6%	11,841	12,639	797	6.7%
72.8%	11,738	12,361	623	5.3%
74.1%	11,684	12,233	548	4.7%
75.3%	11,574	11,946	372	3.2%
76.5%	10,959	11,727	767	7.0%
77.8%	10,726	11,184	458	4.3%
79.0%	10,616	11,032	415	3.9%
80.2%	10,516	11,005	488	4.6%
81.5%	10,490	10,951	461	4.4%
82.7%	10,488	10,894	406	3.9%
84.0%	10,447	10,851	404	3.9%
85.2%	10,105	10,544	439	4.3%
86.4%	10,100	10,349	249	2.5%
87.7%	9,509	10,212	703	7.4%
88.9%	9,344	9,523	180	1.9%
90.1%	8,974	8,974	0	0.0%
91.4%	8,770	8,572	-197	-2.2%
92.6%	7,969	8,466	497	6.2%
93.8%	7,779	8,309	530	6.8%
95.1%	7,741	8,162	421	5.4%
96.3%	7,515	7,856	342	4.5%
97.5%	7,482	7,855	374	5.0%
98.8%	7,064	7,482	418	5.9%
100.0%	6,233	7,240	1,007	16.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,344	15,380	36	0.2%
13.6%	15,254	15,375	121	0.8%
14.8%	15,241	15,365	123	0.8%
16.0%	15,232	15,324	93	0.6%
17.3%	15,174	15,168	-6	0.0%
18.5%	15,165	15,165	0	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,786	-13	-0.1%
23.5%	14,659	14,778	118	0.8%
24.7%	14,585	14,659	75	0.5%
25.9%	14,569	14,585	16	0.1%
27.2%	14,568	14,569	1	0.0%
28.4%	14,354	14,568	214	1.5%
29.6%	14,342	14,348	6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,139	0	0.0%
34.6%	14,100	14,131	31	0.2%
35.8%	13,990	14,100	110	0.8%
37.0%	13,968	14,099	132	0.9%
38.3%	13,807	13,957	150	1.1%
39.5%	13,371	13,731	359	2.7%
40.7%	13,357	13,704	348	2.6%
42.0%	13,260	13,464	204	1.5%
43.2%	13,139	13,371	232	1.8%
44.4%	13,118	13,281	163	1.2%
45.7%	13,115	13,260	145	1.1%
46.9%	13,105	13,159	54	0.4%
48.1%	13,076	13,139	63	0.5%
49.4%	12,974	13,083	109	0.8%
50.6%	12,927	13,009	82	0.6%
51.9%	12,654	12,959	305	2.4%
53.1%	12,613	12,913	299	2.4%
54.3%	12,545	12,906	361	2.9%
55.6%	12,449	12,868	419	3.4%
56.8%	12,377	12,781	404	3.3%
58.0%	12,287	12,686	399	3.2%
59.3%	12,241	12,648	408	3.3%
60.5%	12,224	12,631	407	3.3%
61.7%	12,213	12,610	397	3.3%
63.0%	12,167	12,585	418	3.4%
64.2%	12,136	12,393	258	2.1%
65.4%	11,978	12,204	226	1.9%
66.7%	11,714	12,183	469	4.0%
67.9%	11,692	12,163	470	4.0%
69.1%	11,460	12,154	695	6.1%
70.4%	11,406	11,930	525	4.6%
71.6%	11,234	11,923	689	6.1%
72.8%	11,093	11,911	818	7.4%
74.1%	11,036	11,141	106	1.0%
75.3%	10,881	11,024	143	1.3%
76.5%	10,877	10,965	88	0.8%
77.8%	9,845	10,224	380	3.9%
79.0%	9,696	10,207	511	5.3%
80.2%	9,645	10,164	519	5.4%
81.5%	9,613	10,030	417	4.3%
82.7%	9,512	9,994	482	5.1%
84.0%	9,495	9,961	466	4.9%
85.2%	9,394	9,925	531	5.7%
86.4%	9,372	9,542	170	1.8%
87.7%	8,802	9,249	447	5.1%
88.9%	8,271	8,801	530	6.4%
90.1%	7,941	8,271	330	4.2%
91.4%	7,875	7,741	-134	-1.7%
92.6%	7,233	7,736	502	6.9%
93.8%	6,944	7,520	576	8.3%
95.1%	6,754	7,365	611	9.1%
96.3%	6,656	7,235	579	8.7%
97.5%	6,447	7,062	615	9.5%
98.8%	5,954	6,754	800	13.4%
100.0%	5,802	6,508	705	12.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,882	14,900	18	0.1%
14.8%	14,790	14,900	110	0.7%
16.0%	14,742	14,860	118	0.8%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,736	45	0.3%
19.8%	14,511	14,591	80	0.5%
21.0%	14,502	14,511	10	0.1%
22.2%	14,436	14,293	-144	-1.0%
23.5%	14,108	14,109	1	0.0%
24.7%	14,071	14,108	37	0.3%
25.9%	13,974	14,071	97	0.7%
27.2%	13,812	13,959	147	1.1%
28.4%	13,804	13,858	55	0.4%
29.6%	13,725	13,805	81	0.6%
30.9%	13,706	13,725	18	0.1%
32.1%	13,565	13,724	159	1.2%
33.3%	13,471	13,619	148	1.1%
34.6%	13,436	13,565	129	1.0%
35.8%	13,379	13,471	93	0.7%
37.0%	13,296	13,407	111	0.8%
38.3%	13,296	13,285	-11	-0.1%
39.5%	12,684	13,042	358	2.8%
40.7%	12,600	13,024	425	3.4%
42.0%	12,456	12,939	483	3.9%
43.2%	12,430	12,700	270	2.2%
44.4%	12,430	12,600	170	1.4%
45.7%	12,406	12,478	72	0.6%
46.9%	12,255	12,456	201	1.6%
48.1%	12,201	12,419	217	1.8%
49.4%	12,014	12,413	399	3.3%
50.6%	11,993	12,298	305	2.5%
51.9%	11,873	12,232	360	3.0%
53.1%	11,796	12,224	427	3.6%
54.3%	11,713	12,217	504	4.3%
55.6%	11,509	12,183	674	5.9%
56.8%	11,455	12,125	670	5.8%
58.0%	11,295	11,965	670	5.9%
59.3%	11,277	11,913	636	5.6%
60.5%	11,242	11,839	597	5.3%
61.7%	11,218	11,732	515	4.6%
63.0%	11,205	11,536	331	3.0%
64.2%	10,996	11,448	453	4.1%
65.4%	10,949	11,423	474	4.3%
66.7%	10,848	11,370	522	4.8%
67.9%	10,461	11,354	894	8.5%
69.1%	10,459	11,285	826	7.9%
70.4%	10,434	11,170	737	7.1%
71.6%	10,348	11,051	703	6.8%
72.8%	10,250	10,910	660	6.4%
74.1%	10,078	10,364	285	2.8%
75.3%	10,064	9,943	-122	-1.2%
76.5%	10,031	9,679	-351	-3.5%
77.8%	9,314	9,468	154	1.7%
79.0%	9,157	9,433	276	3.0%
80.2%	8,918	9,399	480	5.4%
81.5%	8,856	9,366	510	5.8%
82.7%	8,738	9,324	586	6.7%
84.0%	8,718	9,155	437	5.0%
85.2%	8,695	9,093	397	4.6%
86.4%	8,426	8,851	425	5.0%
87.7%	8,022	8,569	547	6.8%
88.9%	7,699	7,699	0	0.0%
90.1%	7,107	7,280	174	2.4%
91.4%	6,477	6,952	475	7.3%
92.6%	6,452	6,908	456	7.1%
93.8%	6,345	6,733	388	6.1%
95.1%	6,183	6,539	356	5.8%
96.3%	5,471	6,477	1,006	18.4%
97.5%	5,045	6,446	1,401	27.8%
98.8%	4,970	6,047	1,077	21.7%
100.0%	4,346	5,435	1,089	25.1%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	14,188	0	0.0%
3.7%	14,188	14,188	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	14,188	14,188	0	0.0%
7.4%	14,188	14,188	0	0.0%
8.6%	14,188	14,188	0	0.0%
9.9%	14,188	14,188	0	0.0%
11.1%	14,188	14,188	0	0.0%
12.3%	14,188	14,188	0	0.0%
13.6%	14,188	14,188	0	0.0%
14.8%	14,188	14,188	0	0.0%
16.0%	14,188	14,188	0	0.0%
17.3%	14,188	14,188	0	0.0%
18.5%	14,188	14,143	-45	-0.3%
19.8%	14,157	14,102	-55	-0.4%
21.0%	13,703	13,997	293	2.1%
22.2%	13,695	13,725	30	0.2%
23.5%	13,491	13,703	212	1.6%
24.7%	13,444	13,651	207	1.5%
25.9%	13,329	13,491	161	1.2%
27.2%	13,299	13,314	16	0.1%
28.4%	13,237	13,292	55	0.4%
29.6%	13,157	13,241	84	0.6%
30.9%	13,089	13,237	148	1.1%
32.1%	12,910	13,209	299	2.3%
33.3%	12,864	13,044	180	1.4%
34.6%	12,826	12,980	154	1.2%
35.8%	12,767	12,826	59	0.5%
37.0%	12,657	12,738	81	0.6%
38.3%	12,646	12,635	-11	-0.1%
39.5%	11,912	12,368	456	3.8%
40.7%	11,831	12,358	527	4.5%
42.0%	11,627	12,251	624	5.4%
43.2%	11,596	11,945	349	3.0%
44.4%	11,559	11,831	272	2.4%
45.7%	11,557	11,791	234	2.0%
46.9%	11,477	11,690	213	1.9%
48.1%	11,461	11,651	190	1.7%
49.4%	11,401	11,620	219	1.9%
50.6%	11,365	11,580	215	1.9%
51.9%	11,300	11,541	241	2.1%
53.1%	11,238	11,504	267	2.4%
54.3%	11,159	11,481	322	2.9%
55.6%	11,094	11,414	320	2.9%
56.8%	10,813	11,328	516	4.8%
58.0%	10,691	11,327	636	6.0%
59.3%	10,631	11,278	647	6.1%
60.5%	10,599	11,203	604	5.7%
61.7%	10,569	11,099	529	5.0%
63.0%	10,556	11,078	523	5.0%
64.2%	10,334	10,812	478	4.6%
65.4%	10,279	10,786	507	4.9%
66.7%	9,930	10,751	821	8.3%
67.9%	9,764	10,730	966	9.9%
69.1%	9,756	10,517	761	7.8%
70.4%	9,744	10,394	650	6.7%
71.6%	9,646	10,218	573	5.9%
72.8%	9,637	9,960	323	3.4%
74.1%	9,585	9,654	69	0.7%
75.3%	9,390	9,421	31	0.3%
76.5%	9,035	9,153	118	1.3%
77.8%	8,859	9,019	160	1.8%
79.0%	8,679	9,018	338	3.9%
80.2%	8,347	8,888	540	6.5%
81.5%	8,278	8,793	515	6.2%
82.7%	8,193	8,778	586	7.1%
84.0%	8,173	8,576	403	4.9%
85.2%	8,152	8,547	395	4.8%
86.4%	7,863	8,289	426	5.4%
87.7%	7,470	8,024	554	7.4%
88.9%	7,138	7,239	101	1.4%
90.1%	6,514	6,619	104	1.6%
91.4%	6,216	6,577	361	5.8%
92.6%	6,207	6,533	326	5.3%
93.8%	5,471	6,402	931	17.0%
95.1%	5,462	6,257	795	14.6%
96.3%	5,150	6,216	1,066	20.7%
97.5%	4,732	6,188	1,456	30.8%
98.8%	4,481	5,729	1,248	27.8%
100.0%	3,120	3,780	660	21.2%

Table SW-04-7a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative C	373	368	505	649	620	594	561	3,779	2,091	923	450	450
Difference	5	7	-17	-6	-25	19	6	0	0	0	0	0
Percent Difference[3]	1.2%	2.1%	-3.2%	-0.9%	-3.9%	3.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative C	373	300	784	1,394	1,056	1,218	647	4,636	3,318	1,289	450	450
Difference	0	0	-68	-19	30	122	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.0%	-1.3%	2.9%	11.1%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative C	373	764	621	316	760	300	469	4,462	2,488	1,048	450	450
Difference	0	51	0	0	-72	-136	0	0	0	0	0	0
Percent Difference	0.0%	7.1%	0.0%	0.0%	-8.6%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative C	373	300	300	300	374	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-143	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-27.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative C	373	300	321	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	21	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative C	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	31	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-04-7b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

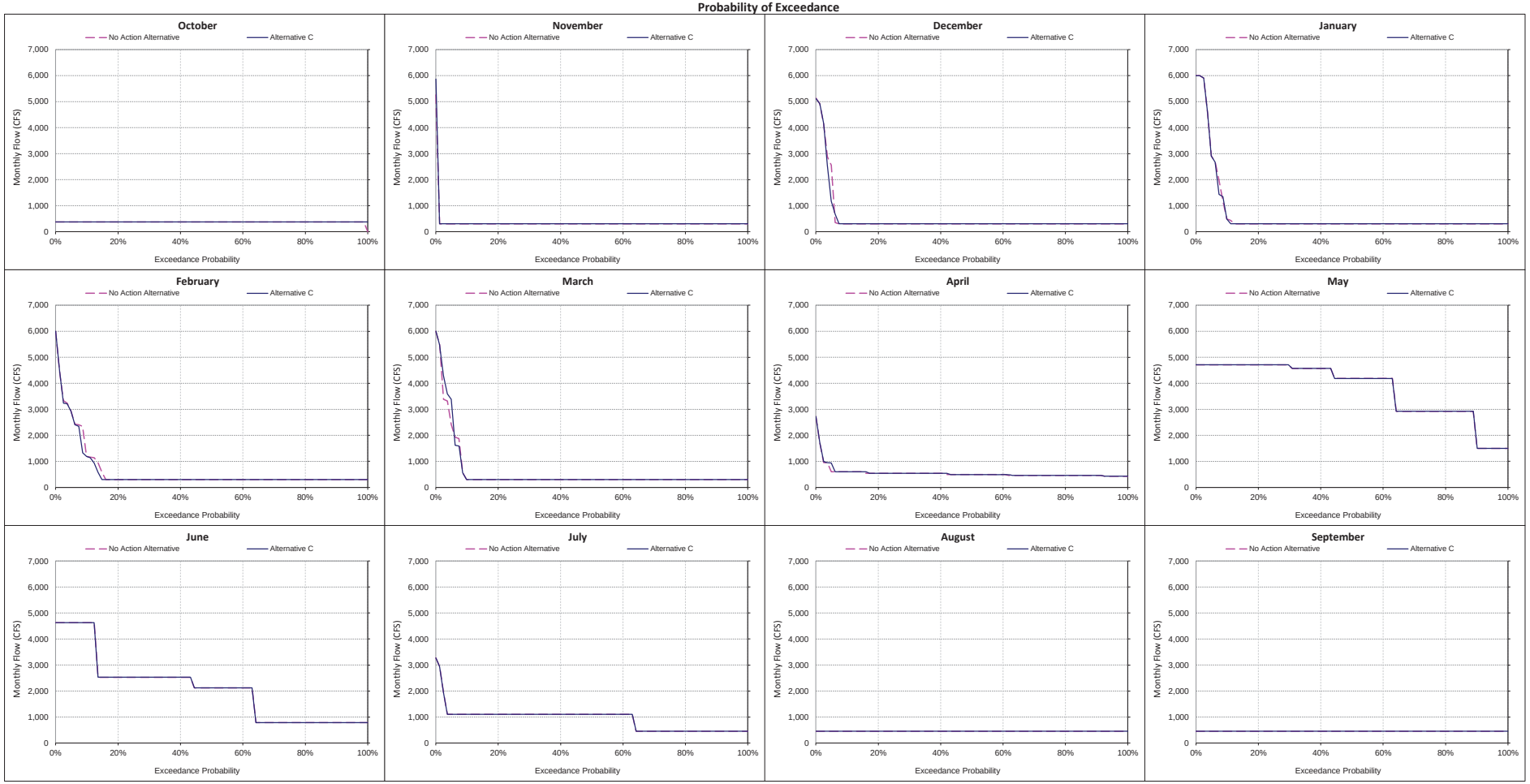

Table SW-04-7b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	0	373	373	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,261	5,868	607	11.5%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,139	5,115	-24	-0.5%
1.2%	4,922	4,922	0	0.0%
2.5%	4,147	4,150	3	0.1%
3.7%	2,872	2,557	-315	-11.0%
4.9%	2,557	1,178	-1,379	-53.9%
6.2%	349	678	329	94.2%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,907	5,907	0	0.0%
3.7%	4,568	4,568	0	0.0%
4.9%	2,908	2,908	0	0.0%
6.2%	2,670	2,670	0	0.0%
7.4%	1,960	1,435	-525	-26.8%
8.6%	1,175	1,347	171	14.6%
9.9%	486	486	0	0.0%
11.1%	432	300	-132	-30.6%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-7b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,238	-98	-2.9%
3.7%	3,238	3,217	-21	-0.6%
4.9%	2,931	2,931	0	0.0%
6.2%	2,434	2,407	-27	-1.1%
7.4%	2,407	2,347	-61	-2.5%
8.6%	2,347	1,332	-1,014	-43.2%
9.9%	1,194	1,194	0	0.0%
11.1%	1,161	1,138	-22	-1.9%
12.3%	1,138	942	-197	-17.3%
13.6%	942	583	-359	-38.1%
14.8%	583	300	-283	-48.6%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	5,482	0	0.0%
2.5%	3,386	4,295	910	26.9%
3.7%	3,321	3,595	274	8.2%
4.9%	2,423	3,386	963	39.8%
6.2%	1,933	1,615	-318	-16.5%
7.4%	1,877	1,592	-285	-15.2%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	988	36	3.8%
3.7%	942	952	10	1.0%
4.9%	600	942	342	57.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	540	600	60	11.1%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	493	540	47	9.5%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	460	493	33	7.2%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,570	4,570	0	0.0%
32.1%	4,570	4,570	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,189	4,189	0	0.0%
45.7%	4,189	4,189	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	1,498	1,498	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-7b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

Table SW-05-7a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative C	920	310	310	532	155	337	411	161	553	1,737	1,816	1,667
Difference	-114	-34	54	112	60	67	22	-8	2	-75	-110	1
Percent Difference[3]	-11.0%	-9.9%	20.9%	26.6%	63.5%	25.0%	5.6%	-4.7%	0.4%	-4.2%	-5.7%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative C	1,510	488	621	467	143	380	505	281	421	1,751	1,678	2,094
Difference	-82	8	85	37	62	36	22	4	0	9	0	-41
Percent Difference	-5.2%	1.6%	15.9%	8.6%		10.6%	4.6%	1.3%	0.0%	0.5%	0.0%	-1.9%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative C	1,017	277	297	263	58	451	585	21	221	1,447	1,832	1,996
Difference	53	-160	-7	-6	0	149	-3	21	55	30	-43	37
Percent Difference	5.5%	-36.6%	-2.4%	-2.3%		49.5%	-0.5%		32.8%	2.1%	-2.3%	1.9%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative C	518	211	168	324	251	411	296	61	660	1,466	1,732	1,396
Difference	89	25	103	29	172	27	32	0	0	-71	-64	35
Percent Difference	20.8%	13.5%		9.8%		7.0%	11.9%	0.0%	0.0%	-4.6%	-3.6%	2.6%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative C	727	271	117	686	203	247	263	149	886	2,011	2,002	1,493
Difference	-157	-62	17	278	37	106	41	-73	-18	-89	-320	24
Percent Difference	-17.8%	-18.7%	16.6%	68.3%	22.2%	75.2%	18.3%	-32.8%	-2.0%	-4.3%	-13.8%	1.7%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative C	299	129	105	953	90	178	391	174	547	1,900	1,919	992
Difference	-519	-27	43	238	21	42	6	26	-13	-345	-155	-21
Percent Difference	-63.4%	-17.0%		33.3%		31.3%	1.6%	18.0%	-2.4%	-15.4%	-7.5%	-2.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-05-7b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

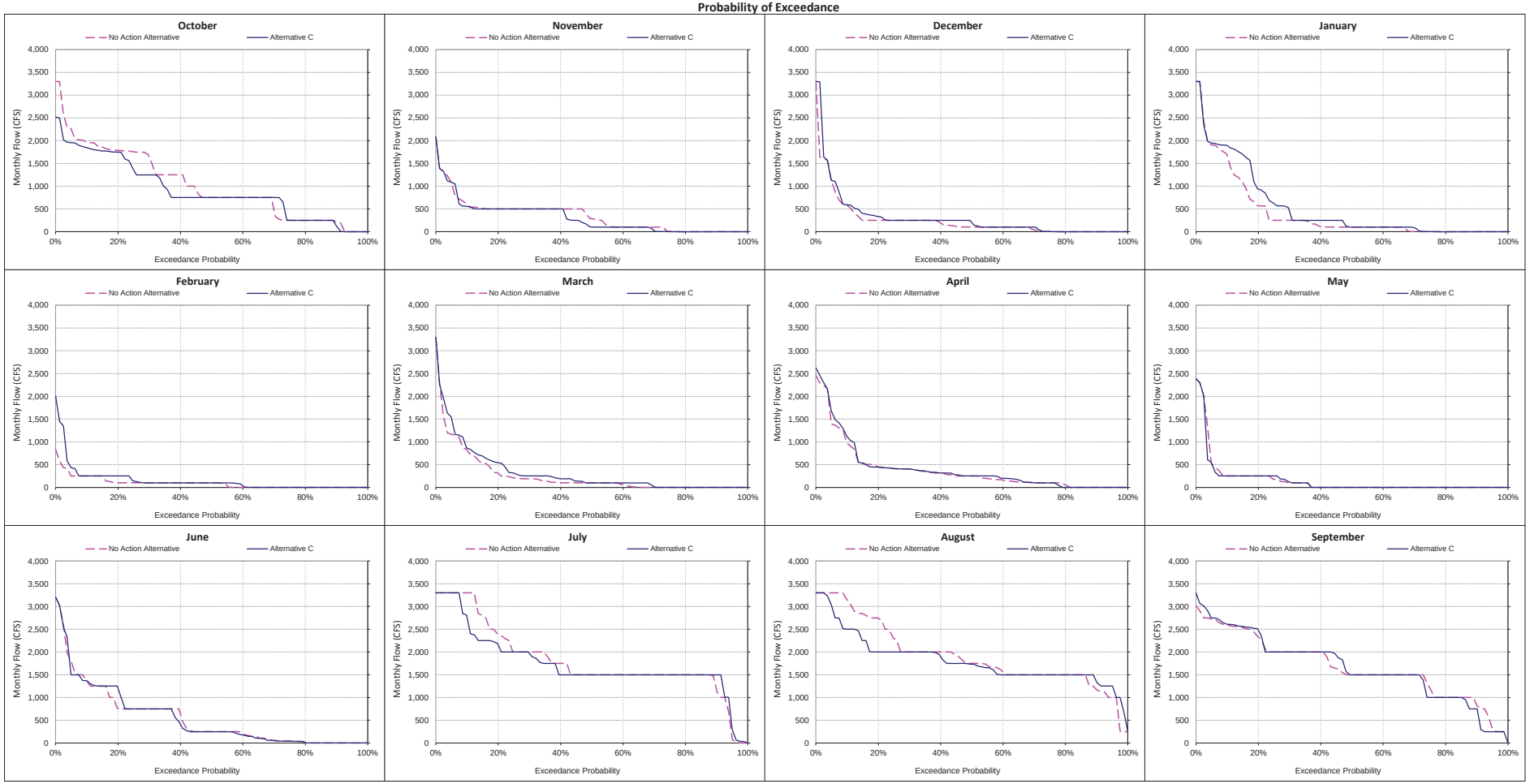

Table SW-05-7b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	2,519	-781	-23.7%
1.2%	3,300	2,500	-800	-24.2%
2.5%	2,591	2,019	-573	-22.1%
3.7%	2,286	1,969	-317	-13.9%
4.9%	2,264	1,956	-308	-13.6%
6.2%	2,044	1,950	-93	-4.6%
7.4%	2,019	1,897	-122	-6.1%
8.6%	2,010	1,870	-141	-7.0%
9.9%	1,969	1,845	-124	-6.3%
11.1%	1,956	1,825	-131	-6.7%
12.3%	1,950	1,803	-147	-7.6%
13.6%	1,870	1,787	-83	-4.4%
14.8%	1,869	1,772	-96	-5.2%
16.0%	1,825	1,770	-54	-3.0%
17.3%	1,803	1,758	-45	-2.5%
18.5%	1,787	1,749	-38	-2.1%
19.8%	1,787	1,747	-40	-2.2%
21.0%	1,781	1,744	-37	-2.1%
22.2%	1,772	1,596	-177	-10.0%
23.5%	1,770	1,561	-210	-11.9%
24.7%	1,758	1,393	-366	-20.8%
25.9%	1,749	1,250	-499	-28.5%
27.2%	1,747	1,250	-497	-28.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,187	-63	-5.1%
34.6%	1,250	1,000	-250	-20.0%
35.8%	1,250	926	-324	-25.9%
37.0%	1,250	750	-500	-40.0%
38.3%	1,250	750	-500	-40.0%
39.5%	1,250	750	-500	-40.0%
40.7%	1,250	750	-500	-40.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	750	0	0.0%
65.4%	750	750	0	0.0%
66.7%	750	750	0	0.0%
67.9%	750	750	0	0.0%
69.1%	750	750	0	0.0%
70.4%	334	750	416	124.7%
71.6%	272	750	478	175.6%
72.8%	250	653	403	161.2%
74.1%	250	252	2	0.8%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	202	108	-94	-46.5%
91.4%	190	0	-190	-99.8%
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,116	-112	-9.1%
4.9%	1,086	1,086	0	0.0%
6.2%	793	1,048	255	32.2%
7.4%	723	606	-117	-16.1%
8.6%	674	563	-111	-16.5%
9.9%	606	557	-50	-8.2%
11.1%	543	539	-4	-0.7%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	500	0	0.0%
37.0%	500	500	0	0.0%
38.3%	500	500	0	0.0%
39.5%	500	500	0	0.0%
40.7%	500	499	-1	-0.2%
42.0%	500	279	-221	-44.1%
43.2%	500	254	-246	-49.3%
44.4%	500	250	-250	-50.0%
45.7%	500	250	-250	-50.0%
46.9%	499	204	-295	-59.2%
48.1%	398	171	-227	-57.1%
49.4%	290	106	-185	-63.6%
50.6%	279	100	-179	-64.2%
51.9%	254	100	-154	-60.6%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	-6	-5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	70	-30	-29.9%
70.4%	100	5	-95	-95.2%
71.6%	100	1	-99	-99.3%
72.8%	100	0	-100	-100.0%
74.1%	10	0	-10	
75.3%	5	0	-5	
76.5%	5	0	-5	
77.8%	1	0	-1	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,571	0	0.0%
4.9%	1,127	1,127	0	0.0%
6.2%	877	1,106	229	26.1%
7.4%	697	877	180	25.9%
8.6%	601	601	0	0.0%
9.9%	588	588	0	0.0%
11.1%	514	583	69	13.5%
12.3%	404	514	110	27.3%
13.6%	336	495	159	47.3%
14.8%	250	404	154	61.5%
16.0%	250	385	135	53.8%
17.3%	250	370	120	48.1%
18.5%	250	357	107	42.8%
19.8%	250	336	86	34.5%
21.0%	250	323	73	29.3%
22.2%	250	254	4	1.6%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	250	0	0.0%
38.3%	250	250	0	0.0%
39.5%	213	250	37	17.3%
40.7%	157	250	93	59.4%
42.0%	146	250	104	71.0%
43.2%	135	250	115	84.9%
44.4%	121	250	129	106.5%
45.7%	103	250	147	143.3%
46.9%	103	250	147	143.6%
48.1%	102	250	148	144.6%
49.4%	102	250	148	144.6%
50.6%	101	146	45	44.6%
51.9%	100	121	21	21.0%
53.1%	100	103	3	2.8%
54.3%	100	103	3	2.6%
55.6%	100	102	2	2.2%
56.8%	100	102	2	2.2%
58.0%	100	101	1	1.1%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	59	100	41	68.5%
70.4%	34	100	66	193.6%
71.6%	6	35	29	
72.8%	3	6	3	
74.1%	2	3	0	
75.3%	2	2	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	3,300	5	0.1%
2.5%	2,429	2,349	-80	-3.3%
3.7%	1,985	1,985	0	0.0%
4.9%	1,904	1,951	47	2.5%
6.2%	1,898	1,936	38	2.0%
7.4%	1,814	1,911	97	5.4%
8.6%	1,761	1,904	143	8.1%
9.9%	1,708	1,898	190	11.1%
11.1%	1,398	1,837	439	31.4%
12.3%	1,239	1,814	574	46.4%
13.6%	1,196	1,761	565	47.3%
14.8%	1,100	1,708	608	55.3%
16.0%	945	1,628	683	72.2%
17.3%	717	1,567	850	118.5%
18.5%	658	1,100	442	67.2%
19.8%	566	945	379	66.9%
21.0%	566	911	345	60.9%
22.2%	565	849	284	50.3%
23.5%	250	686	436	174.4%
24.7%	250	632	382	153.0%
25.9%	250	566	316	126.5%
27.2%	250	566	316	126.4%
28.4%	250	565	315	126.0%
29.6%	250	528	278	111.2%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	250	150	150.0%
46.9%	100	250	150	150.0%
48.1%	100	123	23	23.1%
49.4%	100	103	3	2.8%
50.6%	100	103	3	2.6%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	15	100	85	
69.1%	0	100	100	
70.4%	0	76	76	
71.6%	0	15	15	
72.8%	0	3	3	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-7b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	2,003	1,169	140.2%
1.2%	584	1,451	867	148.5%
2.5%	436	1,347	912	209.3%
3.7%	412	584	172	41.8%
4.9%	250	436	186	74.2%
6.2%	250	412	162	64.7%
7.4%	250	250	0	0.0%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	144	44	43.7%
25.9%	100	126	26	26.1%
27.2%	100	107	7	7.1%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	100	100	
58.0%	0	87	87	
59.3%	0	74	74	
60.5%	0	4	4	
61.7%	0	3	3	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,264	0	0.0%
2.5%	1,548	1,956	407	26.3%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,166	19	1.7%
7.4%	1,110	1,147	37	3.4%
8.6%	867	1,110	243	28.0%
9.9%	834	867	33	4.0%
11.1%	712	834	122	17.1%
12.3%	688	764	75	10.9%
13.6%	597	712	115	19.2%
14.8%	529	688	160	30.2%
16.0%	527	637	110	20.9%
17.3%	451	597	146	32.4%
18.5%	325	566	241	74.1%
19.8%	321	542	221	68.6%
21.0%	250	529	279	111.4%
22.2%	238	451	213	89.4%
23.5%	237	325	88	37.0%
24.7%	210	321	112	53.2%
25.9%	206	287	81	39.6%
27.2%	191	256	65	33.9%
28.4%	189	250	61	32.0%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.8%
37.0%	112	237	126	112.6%
38.3%	111	220	109	98.4%
39.5%	100	189	89	89.4%
40.7%	100	189	89	89.2%
42.0%	100	187	87	87.5%
43.2%	100	187	87	87.1%
44.4%	100	144	44	44.4%
45.7%	100	135	35	35.4%
46.9%	100	135	35	34.5%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	10	100	90	
65.4%	0	100	100	
66.7%	0	100	100	
67.9%	0	100	100	
69.1%	0	49	49	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,681	292	21.0%
6.2%	1,367	1,491	124	9.1%
7.4%	1,308	1,415	107	8.2%
8.6%	1,258	1,298	40	3.2%
9.9%	979	1,127	148	15.1%
11.1%	906	1,025	119	13.2%
12.3%	832	979	147	17.6%
13.6%	556	555	-2	-0.3%
14.8%	555	530	-25	-4.4%
16.0%	505	499	-6	-1.2%
17.3%	505	453	-52	-10.3%
18.5%	499	444	-54	-10.9%
19.8%	453	443	-10	-2.2%
21.0%	444	434	-10	-2.2%
22.2%	428	428	0	0.0%
23.5%	426	426	0	0.0%
24.7%	418	413	-5	-1.1%
25.9%	413	408	-6	-1.3%
27.2%	408	404	-3	-0.8%
28.4%	403	403	0	0.0%
29.6%	403	403	0	0.0%
30.9%	393	393	0	0.0%
32.1%	390	381	-9	-2.3%
33.3%	365	365	0	0.0%
34.6%	350	363	13	3.8%
35.8%	331	350	19	5.8%
37.0%	329	331	1	0.4%
38.3%	314	329	15	4.9%
39.5%	313	317	4	1.4%
40.7%	312	314	2	0.6%
42.0%	281	313	32	11.4%
43.2%	277	312	35	12.6%
44.4%	250	281	31	12.3%
45.7%	250	277	27	10.8%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	201	250	49	24.5%
54.3%	200	250	50	25.1%
55.6%	189	250	61	32.6%
56.8%	177	250	73	41.5%
58.0%	170	247	78	45.7%
59.3%	170	201	31	18.3%
60.5%	152	200	48	31.7%
61.7%	139	195	57	40.7%
63.0%	133	189	55	41.3%
64.2%	122	177	55	45.4%
65.4%	115	157	42	36.6%
66.7%	112	115	3	2.3%
67.9%	110	112	2	2.0%
69.1%	100	110	10	9.9%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	47	-53	-53.3%
79.0%	79	0	-79	-100.0%
80.2%	47	0	-47	-100.0%
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	605	-727	-54.6%
4.9%	513	551	38	7.4%
6.2%	437	330	-108	-24.6%
7.4%	366	250	-116	-31.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	250	69	38.4%
25.9%	177	250	73	40.9%
27.2%	133	181	47	35.4%
28.4%	123	177	54	43.8%
29.6%	100	123	23	23.4%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-7b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,023	0	0.0%
2.5%	2,612	2,549	-63	-2.4%
3.7%	1,978	2,326	348	17.6%
4.9%	1,806	1,500	-306	-17.0%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,374	-126	-8.4%
9.9%	1,374	1,374	0	0.0%
11.1%	1,250	1,305	55	4.4%
12.3%	1,250	1,263	13	1.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,250	250	25.0%
18.5%	1,000	1,250	250	25.0%
19.8%	758	1,250	492	65.0%
21.0%	750	1,000	250	33.3%
22.2%	750	750	0	0.0%
23.5%	750	750	0	0.0%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	750	0	0.0%
38.3%	750	564	-186	-24.9%
39.5%	750	464	-286	-38.2%
40.7%	464	321	-143	-30.8%
42.0%	321	270	-51	-16.0%
43.2%	270	250	-20	-7.2%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	245	-5	-2.2%
58.0%	250	207	-43	-17.1%
59.3%	245	182	-62	-25.4%
60.5%	182	167	-16	-8.5%
61.7%	167	147	-19	-11.6%
63.0%	147	143	-4	-2.8%
64.2%	143	107	-37	-25.6%
65.4%	107	106	-1	-0.7%
66.7%	106	93	-13	-12.4%
67.9%	93	59	-33	-35.9%
69.1%	59	57	-2	-3.9%
70.4%	57	47	-11	-18.5%
71.6%	47	43	-4	-8.5%
72.8%	43	41	-1	-2.7%
74.1%	42	41	-1	-1.7%
75.3%	41	40	-1	-2.7%
76.5%	36	36	0	0.0%
77.8%	35	35	0	0.0%
79.0%	34	34	0	0.0%
80.2%	8	0	-8	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	2,846	-454	-13.8%
9.9%	3,300	2,808	-492	-14.9%
11.1%	3,300	2,400	-900	-27.3%
12.3%	3,300	2,378	-922	-28.0%
13.6%	2,846	2,250	-596	-20.9%
14.8%	2,808	2,250	-558	-19.9%
16.0%	2,750	2,250	-500	-18.2%
17.3%	2,500	2,250	-250	-10.0%
18.5%	2,500	2,229	-271	-10.8%
19.8%	2,400	2,186	-214	-8.9%
21.0%	2,359	2,000	-359	-15.2%
22.2%	2,296	2,000	-296	-12.9%
23.5%	2,250	2,000	-250	-11.1%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	1,896	-104	-5.2%
32.1%	2,000	1,864	-136	-6.8%
33.3%	2,000	1,770	-230	-11.5%
34.6%	2,000	1,750	-250	-12.5%
35.8%	1,896	1,750	-146	-7.7%
37.0%	1,770	1,750	-20	-1.1%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,500	-250	-14.3%
40.7%	1,750	1,500	-250	-14.3%
42.0%	1,750	1,500	-250	-14.3%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,500	500	50.0%
92.6%	1,000	1,010	10	1.0%
93.8%	692	1,000	308	44.5%
95.1%	66	285	219	
96.3%	29	66	37	
97.5%	0	34	34	
98.8%	0	29	29	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,232	-68	-2.0%
4.9%	3,300	3,042	-258	-7.8%
6.2%	3,300	2,750	-550	-16.7%
7.4%	3,300	2,750	-550	-16.7%
8.6%	3,300	2,513	-787	-23.9%
9.9%	3,157	2,500	-657	-20.8%
11.1%	3,047	2,500	-547	-18.0%
12.3%	2,894	2,500	-395	-13.6%
13.6%	2,851	2,469	-382	-13.4%
14.8%	2,848	2,252	-595	-20.9%
16.0%	2,806	2,250	-556	-19.8%
17.3%	2,750	2,008	-742	-27.0%
18.5%	2,750	2,000	-750	-27.3%
19.8%	2,750	2,000	-750	-27.3%
21.0%	2,702	2,000	-702	-26.0%
22.2%	2,500	2,000	-500	-20.0%
23.5%	2,500	2,000	-500	-20.0%
24.7%	2,315	2,000	-315	-13.6%
25.9%	2,250	2,000	-250	-11.1%
27.2%	2,008	2,000	-8	-0.4%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	1,990	-10	-0.5%
39.5%	2,000	1,949	-51	-2.5%
40.7%	2,000	1,821	-179	-9.0%
42.0%	2,000	1,752	-248	-12.4%
43.2%	2,000	1,750	-250	-12.5%
44.4%	1,949	1,750	-199	-10.2%
45.7%	1,901	1,750	-151	-8.0%
46.9%	1,821	1,750	-71	-3.9%
48.1%	1,752	1,750	-2	-0.1%
49.4%	1,750	1,734	-16	-0.9%
50.6%	1,750	1,729	-21	-1.2%
51.9%	1,750	1,692	-58	-3.3%
53.1%	1,750	1,676	-74	-4.2%
54.3%	1,734	1,656	-79	-4.5%
55.6%	1,676	1,654	-22	-1.3%
56.8%	1,673	1,613	-60	-3.6%
58.0%	1,656	1,510	-145	-8.8%
59.3%	1,613	1,500	-113	-7.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,500	250	20.0%
90.1%	1,161	1,324	164	14.1%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,250	132	11.9%
93.8%	1,000	1,250	250	25.0%
95.1%	1,000	1,250	250	25.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	1,000	746	293.8%
98.8%	250	671	421	168.3%
100.0%	250	250	0	0.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,300	284	9.4%
1.2%	2,907	3,069	162	5.6%
2.5%	2,750	3,017	267	9.7%
3.7%	2,750	2,907	157	5.7%
4.9%	2,725	2,750	25	0.9%
6.2%	2,715	2,750	35	1.3%
7.4%	2,647	2,715	68	2.6%
8.6%	2,606	2,647	41	1.6%
9.9%	2,599	2,611	12	0.5%
11.1%	2,570	2,606	36	1.4%
12.3%	2,566	2,599	33	1.3%
13.6%	2,550	2,570	20	0.8%
14.8%	2,541	2,566	25	1.0%
16.0%	2,514	2,550	37	1.5%
17.3%	2,500	2,541	41	1.6%
18.5%	2,445	2,520	75	3.1%
19.8%	2,342	2,514	171	7.3%
21.0%	2,281	2,356	75	3.3%
22.2%	2,061	2,000	-61	-3.0%
23.5%	2,000	2,000	0	0.0%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	1,895	2,000	105	5.5%
43.2%	1,673	2,000	327	19.5%
44.4%	1,649	1,974	326	19.8%
45.7%	1,619	1,870	251	15.5%
46.9%	1,548	1,830	281	18.2%
48.1%	1,500	1,573	73	4.9%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,381	-119	-7.9%
74.1%	1,320	1,000	-320	-24.2%
75.3%	1,163	1,000	-163	-14.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	950	-50	-5.0%
87.7%	1,000	750	-250	-25.0%
88.9%	1,000	750	-250	-25.0%
90.1%	816	750	-66	-8.1%
91.4%	750	296	-454	-60.5%
92.6%	750	250	-500	-66.7%
93.8%	570	250	-320	-56.2%
95.1%	301	250	-51	-16.9%
96.3%	250	250	0	0.0%
97.5%	250	250	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	0	-250	-100.0%

Table SW-06-7a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative C	187	187	189	197	197	191	191	265	181	148	85	148
Difference	2	0	0	0	0	-1	0	0	0	63	-1	0
Percent Difference[3]	1.0%	0.0%	0.1%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	73.7%	-1.6%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative C	200	200	200	220	220	200	200	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative C	200	200	200	192	196	196	196	277	200	206	85	150
Difference	0	0	0	0	0	-9	0	0	0	121	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%	142.2%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative C	193	193	194	189	189	189	189	269	186	280	85	150
Difference	0	0	1	0	0	0	0	0	0	195	0	0
Percent Difference	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative C	181	182	182	192	192	192	192	264	180	113	85	150
Difference	0	0	0	0	0	0	0	0	0	28	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	32.7%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative C	146	149	163	168	168	168	168	224	120	123	85	133
Difference	12	0	0	0	0	0	0	0	0	38	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	44.2%	-9.9%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

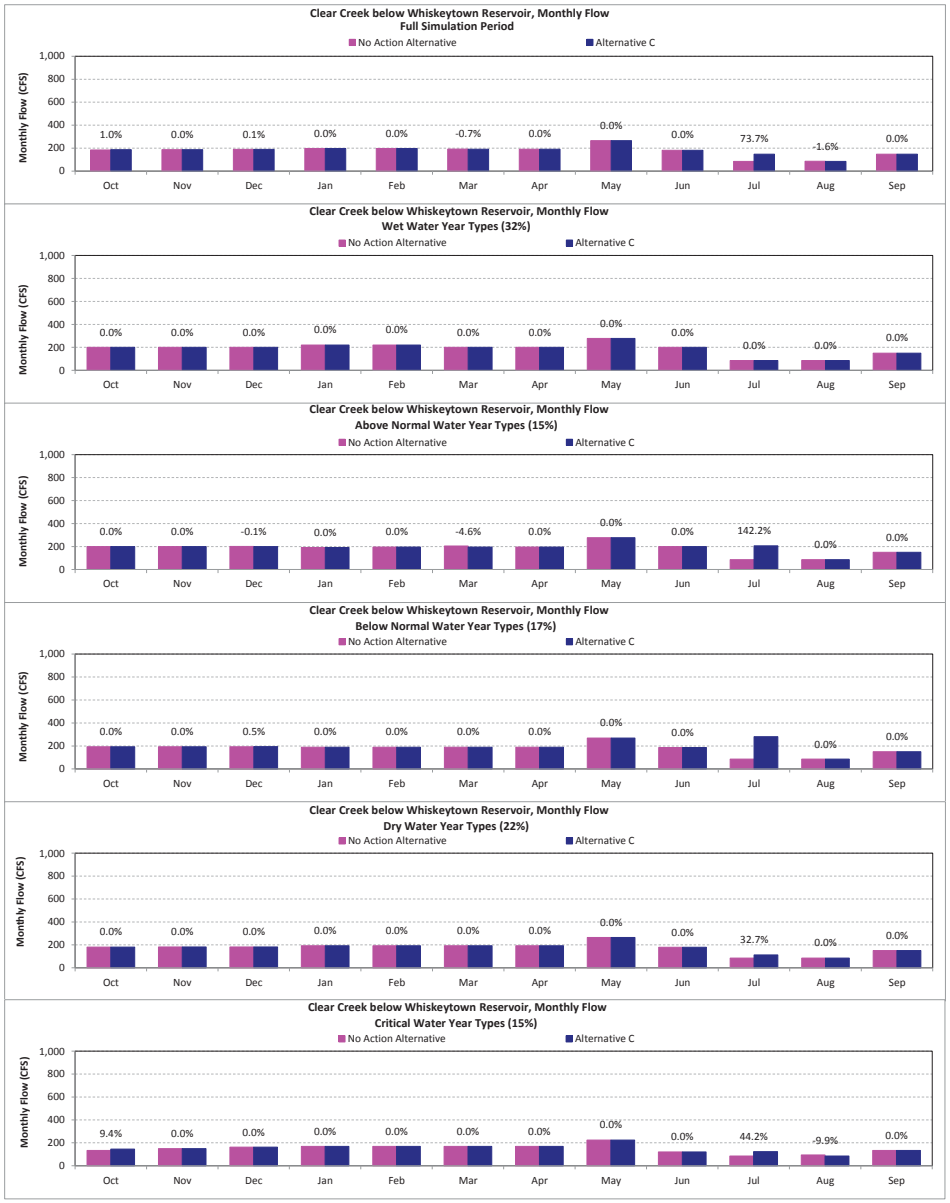

Figure SW-06-7b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

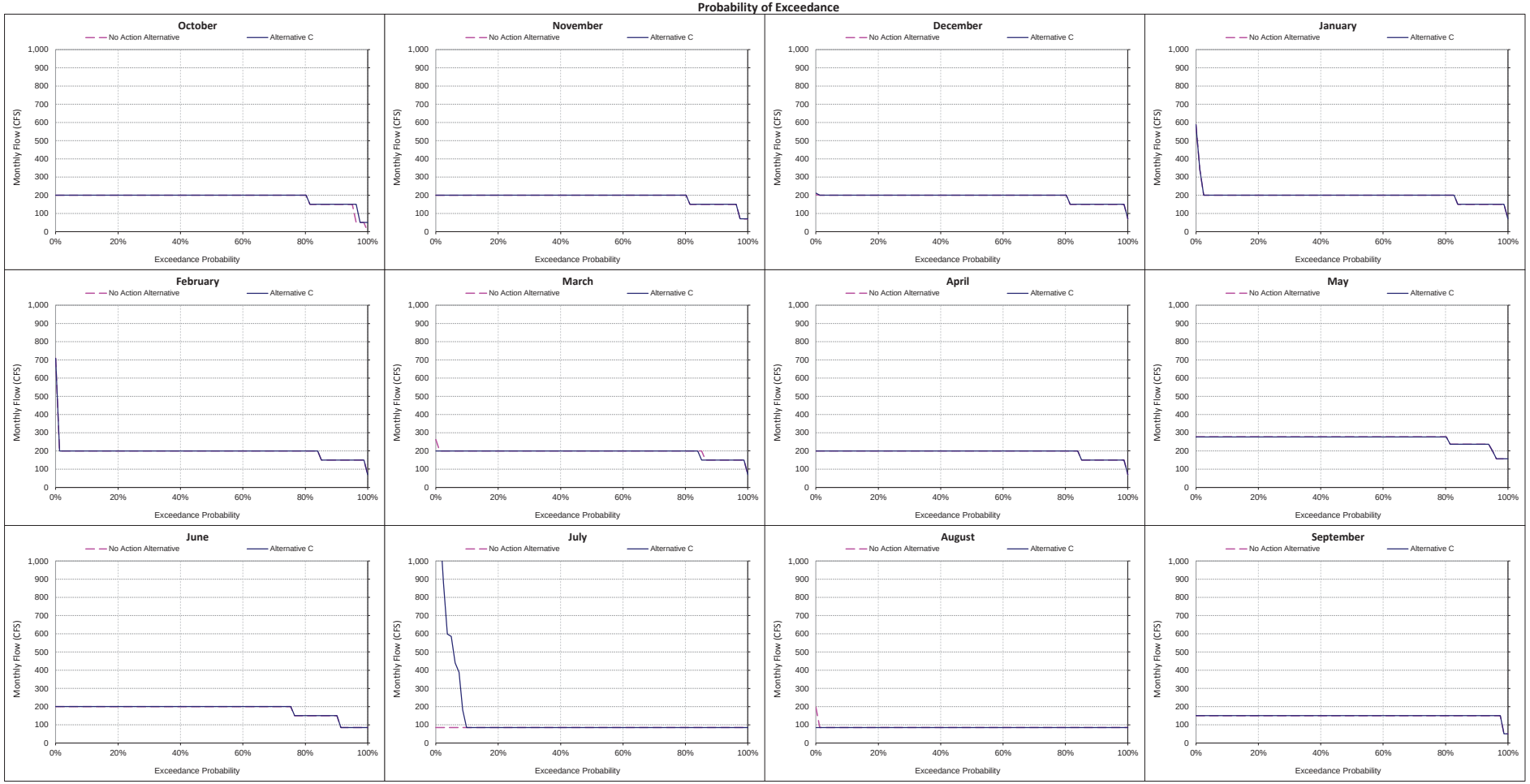

Table SW-06-7b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	0	50	50	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	70	70	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	203	212	10	4.8%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	588	588	0	0.0%
1.2%	344	344	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

Table SW-06-7b

Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	710	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-7b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	1,509	1,424	
1.2%	85	1,232	1,147	
2.5%	85	881	796	936.5%
3.7%	85	598	513	603.6%
4.9%	85	585	500	588.2%
6.2%	85	440	355	417.7%
7.4%	85	388	303	356.7%
8.6%	85	181	96	113.1%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	197	85	-112	-56.8%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Table SW-07-7a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative C	2,662	2,635	2,758	3,016	3,267	3,641	3,960	4,007	3,727	3,243	2,909	2,738
Difference	104	88	46	33	7	25	47	64	93	94	96	108
Percent Difference[3]	4.1%	3.5%	1.7%	1.1%	0.2%	0.7%	1.2%	1.6%	2.6%	3.0%	3.4%	4.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative C	3,087	2,970	3,077	3,418	3,626	3,857	4,316	4,470	4,278	3,882	3,551	3,190
Difference	35	26	-21	1	-15	-3	0	-2	-10	15	32	54
Percent Difference	1.1%	0.9%	-0.7%	0.0%	-0.4%	-0.1%	0.0%	-0.1%	-0.2%	0.4%	0.9%	1.7%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative C	3,054	2,946	3,050	3,155	3,392	3,965	4,404	4,471	4,157	3,582	3,272	3,153
Difference	102	60	-8	31	-14	9	4	-6	39	38	72	117
Percent Difference	3.5%	2.1%	-0.2%	1.0%	-0.4%	0.2%	0.1%	-0.1%	1.0%	1.1%	2.3%	3.9%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative C	2,881	2,934	2,980	2,949	3,282	3,697	4,064	4,104	3,818	3,281	2,979	2,915
Difference	34	9	-29	4	-21	0	-5	8	56	28	62	55
Percent Difference	1.2%	0.3%	-1.0%	0.1%	-0.6%	0.0%	-0.1%	0.2%	1.5%	0.9%	2.1%	1.9%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative C	2,518	2,580	2,787	2,852	3,177	3,679	3,883	3,840	3,508	2,999	2,642	2,566
Difference	195	168	121	25	-12	15	74	115	168	169	156	153
Percent Difference	8.4%	7.0%	4.6%	0.9%	-0.4%	0.4%	1.9%	3.1%	5.0%	6.0%	6.3%	6.3%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative C	1,308	1,332	1,476	2,329	2,485	2,723	2,736	2,680	2,324	1,841	1,472	1,396
Difference	203	221	222	148	136	145	212	264	300	287	206	208
Percent Difference	18.4%	19.9%	17.7%	6.8%	5.8%	5.6%	8.4%	10.9%	14.8%	18.5%	16.3%	17.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-07-7b
Shasta Lake, End of Month Storage
Probability of Exceedance

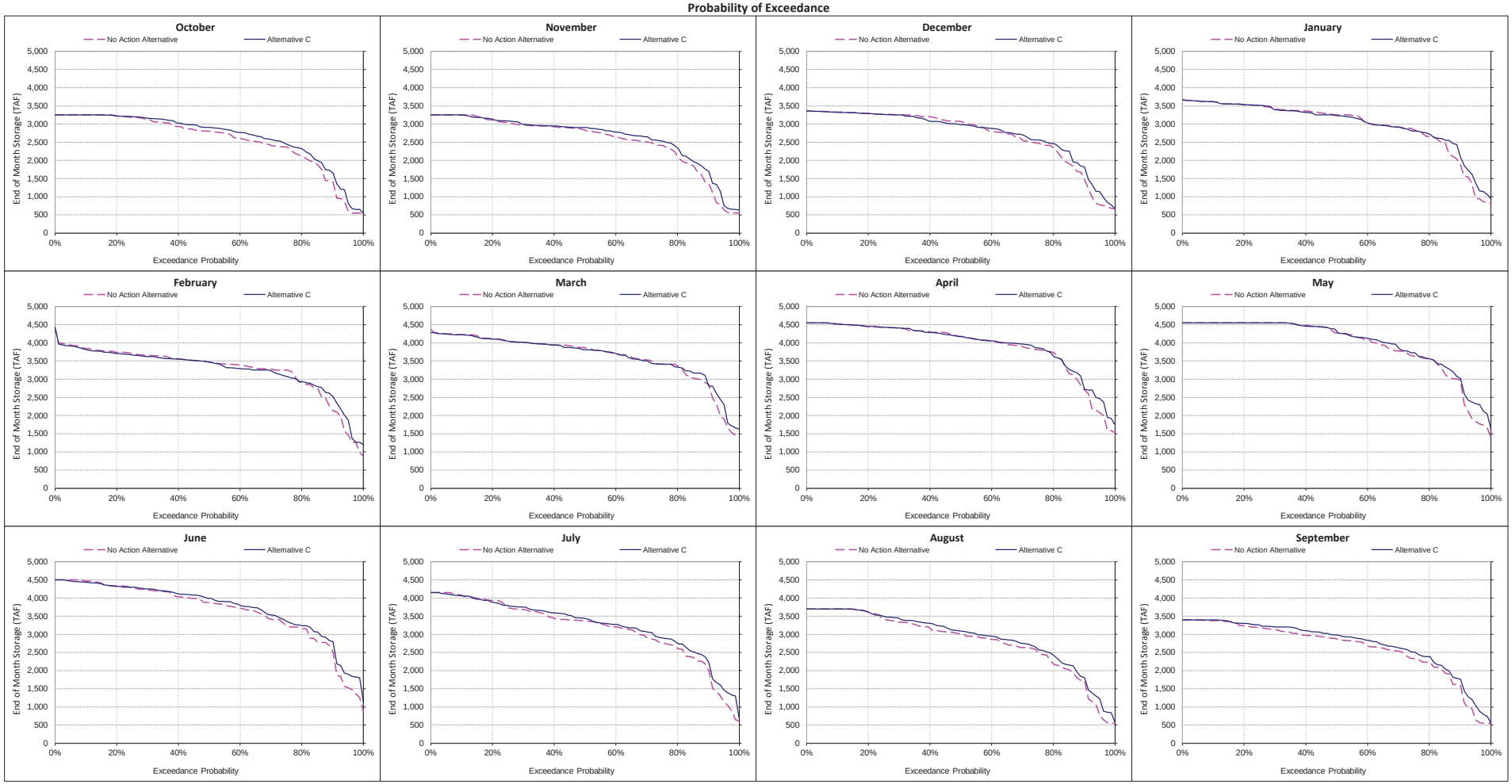

Table SW-07-7b
Shasta Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,250	0	0.0%
8.6%	3,250	3,250	0	0.0%
9.9%	3,250	3,250	0	0.0%
11.1%	3,250	3,250	0	0.0%
12.3%	3,250	3,250	0	0.0%
13.6%	3,250	3,250	0	0.0%
14.8%	3,250	3,250	0	0.0%
16.0%	3,250	3,250	0	0.0%
17.3%	3,250	3,246	-4	-0.1%
18.5%	3,250	3,244	-6	-0.2%
19.8%	3,217	3,224	6	0.2%
21.0%	3,210	3,216	6	0.2%
22.2%	3,209	3,214	6	0.2%
23.5%	3,198	3,213	14	0.5%
24.7%	3,186	3,209	24	0.7%
25.9%	3,184	3,200	16	0.5%
27.2%	3,173	3,200	27	0.9%
28.4%	3,160	3,183	23	0.7%
29.6%	3,121	3,162	41	1.3%
30.9%	3,110	3,153	43	1.4%
32.1%	3,061	3,151	90	2.9%
33.3%	3,055	3,141	85	2.8%
34.6%	3,048	3,135	87	2.8%
35.8%	3,033	3,120	87	2.9%
37.0%	3,029	3,097	67	2.2%
38.3%	2,946	3,091	145	4.9%
39.5%	2,931	3,028	97	3.3%
40.7%	2,931	3,022	91	3.1%
42.0%	2,871	2,994	123	4.3%
43.2%	2,866	2,981	115	4.0%
44.4%	2,863	2,980	118	4.1%
45.7%	2,825	2,976	151	5.3%
46.9%	2,812	2,926	114	4.1%
48.1%	2,804	2,914	110	3.9%
49.4%	2,804	2,911	108	3.8%
50.6%	2,796	2,903	107	3.8%
51.9%	2,775	2,891	116	4.2%
53.1%	2,769	2,883	113	4.1%
54.3%	2,758	2,864	106	3.8%
55.6%	2,758	2,849	91	3.3%
56.8%	2,709	2,837	127	4.7%
58.0%	2,622	2,793	171	6.5%
59.3%	2,610	2,771	161	6.2%
60.5%	2,598	2,764	166	6.4%
61.7%	2,569	2,758	188	7.3%
63.0%	2,540	2,717	177	7.0%
64.2%	2,537	2,703	166	6.5%
65.4%	2,515	2,666	151	6.0%
66.7%	2,502	2,654	152	6.1%
67.9%	2,450	2,598	148	6.0%
69.1%	2,443	2,589	146	6.0%
70.4%	2,400	2,570	170	7.1%
71.6%	2,395	2,543	147	6.2%
72.8%	2,373	2,535	162	6.8%
74.1%	2,372	2,483	110	4.6%
75.3%	2,365	2,433	68	2.9%
76.5%	2,268	2,397	129	5.7%
77.8%	2,200	2,361	161	7.3%
79.0%	2,147	2,346	199	9.3%
80.2%	2,108	2,308	200	9.5%
81.5%	2,045	2,228	183	9.0%
82.7%	1,983	2,176	194	9.8%
84.0%	1,960	2,046	87	4.4%
85.2%	1,870	1,988	118	6.3%
86.4%	1,758	1,942	184	10.5%
87.7%	1,448	1,747	299	20.6%
88.9%	1,437	1,733	296	20.6%
90.1%	1,410	1,655	245	17.4%
91.4%	953	1,358	405	42.4%
92.6%	947	1,208	262	27.6%
93.8%	867	1,197	329	38.0%
95.1%	591	816	224	37.9%
96.3%	550	673	123	22.4%
97.5%	550	650	100	18.2%
98.8%	550	650	100	18.2%
100.0%	550	550	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,250	-2	-0.1%
11.1%	3,252	3,241	-11	-0.3%
12.3%	3,252	3,227	-25	-0.8%
13.6%	3,252	3,189	-63	-1.9%
14.8%	3,214	3,185	-29	-0.9%
16.0%	3,194	3,183	-11	-0.3%
17.3%	3,153	3,163	9	0.3%
18.5%	3,122	3,157	35	1.1%
19.8%	3,110	3,140	30	1.0%
21.0%	3,101	3,104	3	0.1%
22.2%	3,061	3,096	34	1.1%
23.5%	3,049	3,096	47	1.5%
24.7%	3,046	3,084	38	1.3%
25.9%	3,019	3,080	60	2.0%
27.2%	3,001	3,067	65	2.2%
28.4%	2,988	3,056	68	2.3%
29.6%	2,987	2,995	8	0.3%
30.9%	2,966	2,990	24	0.8%
32.1%	2,963	2,971	9	0.3%
33.3%	2,954	2,968	14	0.5%
34.6%	2,954	2,961	7	0.3%
35.8%	2,947	2,961	14	0.5%
37.0%	2,945	2,952	7	0.2%
38.3%	2,942	2,951	9	0.3%
39.5%	2,933	2,946	13	0.4%
40.7%	2,918	2,945	27	0.9%
42.0%	2,907	2,939	32	1.1%
43.2%	2,905	2,920	14	0.5%
44.4%	2,894	2,916	22	0.8%
45.7%	2,887	2,911	23	0.8%
46.9%	2,878	2,907	28	1.0%
48.1%	2,875	2,902	28	1.0%
49.4%	2,849	2,902	53	1.9%
50.6%	2,812	2,901	89	3.2%
51.9%	2,808	2,879	70	2.5%
53.1%	2,780	2,876	95	3.4%
54.3%	2,764	2,853	89	3.2%
55.6%	2,761	2,846	85	3.1%
56.8%	2,715	2,816	101	3.7%
58.0%	2,696	2,813	117	4.3%
59.3%	2,650	2,783	134	5.0%
60.5%	2,630	2,775	145	5.5%
61.7%	2,609	2,764	155	5.9%
63.0%	2,580	2,719	139	5.4%
64.2%	2,564	2,712	148	5.8%
65.4%	2,555	2,689	134	5.2%
66.7%	2,555	2,674	119	4.6%
67.9%	2,528	2,672	143	5.7%
69.1%	2,512	2,653	141	5.6%
70.4%	2,504	2,647	143	5.7%
71.6%	2,487	2,565	78	3.1%
72.8%	2,414	2,561	147	6.1%
74.1%	2,412	2,538	126	5.2%
75.3%	2,409	2,528	120	5.0%
76.5%	2,349	2,490	140	6.0%
77.8%	2,313	2,477	164	7.1%
79.0%	2,241	2,408	167	7.5%
80.2%	2,081	2,322	240	11.6%
81.5%	1,974	2,137	163	8.3%
82.7%	1,934	2,118	184	9.5%
84.0%	1,915	2,041	126	6.6%
85.2%	1,841	1,959	118	6.4%
86.4%	1,690	1,918	228	13.5%
87.7%	1,612	1,857	245	15.2%
88.9%	1,411	1,769	358	25.4%
90.1%	1,363	1,697	334	24.5%
91.4%	1,115	1,370	255	22.9%
92.6%	836	1,338	502	60.0%
93.8%	780	1,160	380	48.7%
95.1%	632	751	119	18.7%
96.3%	566	679	113	19.9%
97.5%	552	654	102	18.5%
98.8%	550	650	100	18.2%
100.0%	550	632	82	15.0%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,367	3,360	-7	-0.2%
1.2%	3,360	3,360	0	0.0%
2.5%	3,350	3,349	-1	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,349	3,346	-3	-0.1%
6.2%	3,346	3,338	-8	-0.2%
7.4%	3,338	3,335	-3	-0.1%
8.6%	3,335	3,328	-7	-0.2%
9.9%	3,330	3,322	-8	-0.2%
11.1%	3,328	3,319	-9	-0.3%
12.3%	3,322	3,317	-5	-0.2%
13.6%	3,319	3,316	-3	-0.1%
14.8%	3,317	3,310	-7	-0.2%
16.0%	3,316	3,306	-10	-0.3%
17.3%	3,310	3,294	-16	-0.5%
18.5%	3,297	3,293	-4	-0.1%
19.8%	3,293	3,291	-2	-0.1%
21.0%	3,285	3,285	0	0.0%
22.2%	3,276	3,276	0	0.0%
23.5%	3,274	3,267	-7	-0.2%
24.7%	3,267	3,265	-2	-0.1%
25.9%	3,267	3,257	-10	-0.3%
27.2%	3,265	3,253	-12	-0.4%
28.4%	3,262	3,252	-10	-0.3%
29.6%	3,252	3,252	0	0.0%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,217	-35	-1.1%
33.3%	3,249	3,213	-36	-1.1%
34.6%	3,243	3,212	-31	-0.9%
35.8%	3,231	3,166	-65	-2.0%
37.0%	3,214	3,161	-53	-1.6%
38.3%	3,207	3,138	-69	-2.1%
39.5%	3,204	3,082	-122	-3.8%
40.7%	3,194	3,075	-119	-3.7%
42.0%	3,168	3,071	-97	-3.1%
43.2%	3,123	3,066	-57	-1.8%
44.4%	3,114	3,043	-70	-2.3%
45.7%	3,087	3,013	-74	-2.4%
46.9%	3,084	3,008	-75	-2.4%
48.1%	3,080	3,007	-72	-2.3%
49.4%	3,078	2,986	-92	-3.0%
50.6%	3,056	2,982	-74	-2.4%
51.9%	3,005	2,977	-28	-0.9%
53.1%	2,991	2,957	-34	-1.1%
54.3%	2,979	2,938	-41	-1.4%
55.6%	2,940	2,912	-28	-0.9%
56.8%	2,921	2,901	-20	-0.7%
58.0%	2,864	2,894	30	1.0%
59.3%	2,804	2,880	76	2.7%
60.5%	2,792	2,875	83	3.0%
61.7%	2,775	2,865	91	3.3%
63.0%	2,771	2,834	63	2.3%
64.2%	2,739	2,772	32	1.2%
65.4%	2,728	2,768	39	1.4%
66.7%	2,712	2,752	40	1.5%
67.9%	2,625	2,722	97	3.7%
69.1%	2,618	2,722	103	3.9%
70.4%	2,535	2,693	158	6.2%
71.6%	2,528	2,632	103	4.1%
72.8%	2,496	2,566	70	2.8%
74.1%	2,485	2,560	74	3.0%
75.3%	2,469	2,559	90	3.6%
76.5%	2,413	2,538	126	5.2%
77.8%	2,412	2,498	86	3.6%
79.0%	2,410	2,466	56	2.3%
80.2%	2,327	2,463	136	5.9%
81.5%	2,210	2,392	182	8.2%
82.7%	2,071	2,295	224	10.8%
84.0%	1,963	2,264	301	15.3%
85.2%	1,907	2,255	349	18.3%
86.4%	1,834	1,952	118	6.4%
87.7%	1,695	1,940	245	14.4%
88.9%	1,675	1,845	171	10.2%
90.1%	1,458	1,815	358	24.5%
91.4%	1,231	1,483	252	20.5%
92.6%	980	1,335	355	36.2%
93.8%	826	1,149	323	39.1%
95.1%	777	1,137	359	46.2%
96.3%	750	975	224	29.9%
97.5%	728	843	115	15.7%
98.8%	680	774	94	13.8%
100.0%	667	667	0	0.0%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,678	3,668	-10	-0.3%
1.2%	3,650	3,650	0	0.0%
2.5%	3,648	3,648	0	0.0%
3.7%	3,640	3,640	0	0.0%
4.9%	3,633	3,638	5	0.1%
6.2%	3,624	3,624	0	0.0%
7.4%	3,624	3,622	-2	-0.1%
8.6%	3,622	3,616	-6	-0.2%
9.9%	3,616	3,615	-2	0.0%
11.1%	3,604	3,604	0	0.0%
12.3%	3,571	3,563	-8	-0.2%
13.6%	3,554	3,556	2	0.1%
14.8%	3,552	3,552	0	0.0%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,551	0	0.0%
18.5%	3,550	3,541	-9	-0.2%
19.8%	3,541	3,532	-9	-0.2%
21.0%	3,531	3,531	0	0.0%
22.2%	3,528	3,528	0	0.0%
23.5%	3,515	3,515	0	0.0%
24.7%	3,515	3,515	0	0.0%
25.9%	3,489	3,512	23	0.7%
27.2%	3,475	3,497	22	0.6%
28.4%	3,461	3,482	20	0.6%
29.6%	3,445	3,400	-45	-1.3%
30.9%	3,404	3,389	-15	-0.4%
32.1%	3,391	3,371	-20	-0.6%
33.3%	3,389	3,371	-18	-0.5%
34.6%	3,382	3,368	-14	-0.4%
35.8%	3,371	3,366	-5	-0.1%
37.0%	3,368	3,358	-10	-0.3%
38.3%	3,366	3,339	-28	-0.8%
39.5%	3,358	3,320	-39	-1.1%
40.7%	3,358	3,317	-41	-1.2%
42.0%	3,339	3,302	-36	-1.1%
43.2%	3,326	3,252	-74	-2.2%
44.4%	3,317	3,252	-65	-2.0%
45.7%	3,296	3,252	-44	-1.3%
46.9%	3,286	3,252	-34	-1.0%
48.1%	3,275	3,252	-23	-0.7%
49.4%	3,252	3,236	-16	-0.5%
50.6%	3,252	3,224	-28	-0.9%
51.9%	3,252	3,223	-29	-0.9%
53.1%	3,252	3,206	-46	-1.4%
54.3%	3,252	3,197	-55	-1.7%
55.6%	3,228	3,177	-51	-1.6%
56.8%	3,224	3,151	-73	-2.3%
58.0%	3,148	3,118	-30	-1.0%
59.3%	3,019	3,054	35	1.2%
60.5%	3,017	3,013	-5	-0.2%
61.7%	2,998	2,982	-17	-0.6%
63.0%	2,980	2,976	-4	-0.1%
64.2%	2,976	2,965	-11	-0.4%
65.4%	2,966	2,962	-4	-0.1%
66.7%	2,960	2,945	-15	-0.5%
67.9%	2,938	2,927	-11	-0.4%
69.1%	2,924	2,918	-6	-0.2%
70.4%	2,913	2,915	2	0.1%
71.6%	2,894	2,875	-19	-0.7%
72.8%	2,890	2,863	-26	-0.9%
74.1%	2,877	2,813	-64	-2.2%
75.3%	2,836	2,804	-31	-1.1%
76.5%	2,789	2,801	11	0.4%
77.8%	2,749	2,770	21	0.8%
79.0%	2,662	2,759	97	3.7%
80.2%	2,656	2,714	58	2.2%
81.5%	2,645	2,634	-11	-0.4%
82.7%	2,576	2,609	33	1.3%
84.0%	2,491	2,600	109	4.4%
85.2%	2,475	2,555	80	3.2%
86.4%	2,185	2,548	363	16.6%
87.7%	2,108	2,466	357	16.9%
88.9%	2,046	2,438	392	19.2%
90.1%	1,878	2,079	201	10.7%
91.4%	1,564	1,848	284	18.2%
92.6%	1,550	1,729	179	11.5%
93.8%	1,369	1,620	250	18.3%
95.1%	953	1,369	417	43.7%
96.3%	939	1,158	218	23.3%
97.5%	868	1,145	277	31.9%
98.8%	835	1,060	225	27.0%
100.0%	813	939	127	15.6%

Table SW-07-7b
Shasta Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,429	-4	-0.1%
1.2%	3,994	3,966	-29	-0.7%
2.5%	3,986	3,944	-42	-1.0%
3.7%	3,965	3,920	-45	-1.1%
4.9%	3,944	3,914	-30	-0.8%
6.2%	3,920	3,900	-20	-0.5%
7.4%	3,914	3,879	-35	-0.9%
8.6%	3,877	3,848	-29	-0.7%
9.9%	3,848	3,820	-28	-0.7%
11.1%	3,848	3,794	-54	-1.4%
12.3%	3,805	3,778	-28	-0.7%
13.6%	3,794	3,777	-17	-0.4%
14.8%	3,787	3,772	-15	-0.4%
16.0%	3,777	3,743	-35	-0.9%
17.3%	3,777	3,739	-38	-1.0%
18.5%	3,772	3,730	-42	-1.1%
19.8%	3,743	3,710	-33	-0.9%
21.0%	3,739	3,708	-31	-0.8%
22.2%	3,737	3,694	-43	-1.2%
23.5%	3,734	3,685	-48	-1.3%
24.7%	3,713	3,675	-38	-1.0%
25.9%	3,694	3,661	-33	-0.9%
27.2%	3,675	3,654	-21	-0.6%
28.4%	3,661	3,636	-25	-0.7%
29.6%	3,654	3,626	-28	-0.8%
30.9%	3,654	3,626	-28	-0.8%
32.1%	3,647	3,622	-25	-0.7%
33.3%	3,642	3,595	-47	-1.3%
34.6%	3,636	3,585	-51	-1.4%
35.8%	3,636	3,570	-66	-1.8%
37.0%	3,597	3,567	-30	-0.8%
38.3%	3,570	3,560	-10	-0.3%
39.5%	3,567	3,557	-10	-0.3%
40.7%	3,560	3,552	-8	-0.2%
42.0%	3,536	3,536	0	0.0%
43.2%	3,530	3,530	0	0.0%
44.4%	3,516	3,516	0	0.0%
45.7%	3,515	3,516	1	0.0%
46.9%	3,503	3,503	0	0.0%
48.1%	3,501	3,490	-11	-0.3%
49.4%	3,480	3,480	0	0.0%
50.6%	3,470	3,462	-8	-0.2%
51.9%	3,462	3,431	-31	-0.9%
53.1%	3,431	3,423	-8	-0.2%
54.3%	3,423	3,373	-50	-1.5%
55.6%	3,420	3,315	-105	-3.1%
56.8%	3,410	3,314	-97	-2.8%
58.0%	3,402	3,307	-96	-2.8%
59.3%	3,397	3,292	-105	-3.1%
60.5%	3,373	3,288	-85	-2.5%
61.7%	3,370	3,282	-88	-2.6%
63.0%	3,341	3,281	-60	-1.8%
64.2%	3,327	3,252	-75	-2.3%
65.4%	3,292	3,252	-40	-1.2%
66.7%	3,288	3,252	-36	-1.1%
67.9%	3,288	3,252	-36	-1.1%
69.1%	3,282	3,250	-31	-0.9%
70.4%	3,272	3,220	-53	-1.6%
71.6%	3,252	3,161	-91	-2.8%
72.8%	3,252	3,135	-117	-3.6%
74.1%	3,252	3,101	-151	-4.6%
75.3%	3,252	3,074	-178	-5.5%
76.5%	3,217	3,036	-182	-5.6%
77.8%	3,073	3,020	-53	-1.7%
79.0%	2,937	2,945	7	0.3%
80.2%	2,890	2,932	41	1.4%
81.5%	2,859	2,901	42	1.5%
82.7%	2,855	2,892	37	1.3%
84.0%	2,753	2,832	79	2.9%
85.2%	2,746	2,799	54	2.0%
86.4%	2,510	2,775	265	10.6%
87.7%	2,492	2,636	144	5.8%
88.9%	2,265	2,616	351	15.5%
90.1%	2,134	2,517	383	18.0%
91.4%	2,094	2,344	250	11.9%
92.6%	1,981	2,182	201	10.1%
93.8%	1,580	2,013	433	27.4%
95.1%	1,457	1,877	421	28.9%
96.3%	1,268	1,375	107	8.4%
97.5%	1,265	1,265	0	0.0%
98.8%	992	1,261	269	27.1%
100.0%	872	1,194	323	37.0%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,375	4,289	-86	-2.0%
1.2%	4,280	4,280	0	0.0%
2.5%	4,273	4,253	-20	-0.5%
3.7%	4,256	4,249	-7	-0.2%
4.9%	4,253	4,246	-7	-0.2%
6.2%	4,249	4,229	-20	-0.5%
7.4%	4,246	4,226	-20	-0.5%
8.6%	4,229	4,226	-3	-0.1%
9.9%	4,226	4,221	-5	-0.1%
11.1%	4,226	4,215	-11	-0.2%
12.3%	4,222	4,208	-14	-0.3%
13.6%	4,221	4,193	-28	-0.7%
14.8%	4,199	4,162	-37	-0.9%
16.0%	4,162	4,129	-33	-0.8%
17.3%	4,129	4,118	-11	-0.3%
18.5%	4,124	4,118	-6	-0.1%
19.8%	4,118	4,106	-12	-0.3%
21.0%	4,106	4,105	-1	0.0%
22.2%	4,105	4,096	-9	-0.2%
23.5%	4,086	4,071	-15	-0.4%
24.7%	4,071	4,058	-13	-0.3%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,021	4,021	0	0.0%
30.9%	4,010	4,010	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	3,980	3,980	0	0.0%
34.6%	3,976	3,976	0	0.0%
35.8%	3,970	3,970	0	0.0%
37.0%	3,965	3,965	0	0.0%
38.3%	3,956	3,953	-3	-0.1%
39.5%	3,953	3,940	-13	-0.3%
40.7%	3,943	3,940	-3	-0.1%
42.0%	3,940	3,929	-11	-0.3%
43.2%	3,940	3,875	-65	-1.6%
44.4%	3,927	3,873	-54	-1.4%
45.7%	3,918	3,868	-50	-1.3%
46.9%	3,891	3,858	-34	-0.9%
48.1%	3,874	3,847	-28	-0.7%
49.4%	3,873	3,810	-63	-1.6%
50.6%	3,859	3,809	-49	-1.3%
51.9%	3,842	3,806	-36	-0.9%
53.1%	3,797	3,795	-2	-0.1%
54.3%	3,795	3,793	-2	-0.1%
55.6%	3,778	3,785	7	0.2%
56.8%	3,756	3,756	0	0.0%
58.0%	3,732	3,748	16	0.4%
59.3%	3,703	3,727	24	0.6%
60.5%	3,688	3,695	6	0.2%
61.7%	3,668	3,667	-1	0.0%
63.0%	3,667	3,666	0	0.0%
64.2%	3,657	3,588	-69	-1.9%
65.4%	3,589	3,559	-30	-0.8%
66.7%	3,568	3,555	-14	-0.4%
67.9%	3,543	3,534	-9	-0.3%
69.1%	3,540	3,504	-36	-1.0%
70.4%	3,534	3,497	-37	-1.1%
71.6%	3,504	3,435	-69	-2.0%
72.8%	3,435	3,419	-16	-0.5%
74.1%	3,417	3,417	0	0.0%
75.3%	3,416	3,416	0	0.0%
76.5%	3,416	3,416	0	0.0%
77.8%	3,416	3,416	0	0.0%
79.0%	3,409	3,343	-66	-1.9%
80.2%	3,359	3,328	-31	-0.9%
81.5%	3,274	3,311	38	1.2%
82.7%	3,113	3,230	117	3.8%
84.0%	3,086	3,228	142	4.6%
85.2%	3,018	3,167	148	4.9%
86.4%	3,006	3,166	160	5.3%
87.7%	2,985	3,164	179	6.0%
88.9%	2,912	3,105	193	6.6%
90.1%	2,839	2,810	-29	-1.0%
91.4%	2,479	2,808	330	13.3%
92.6%	2,307	2,611	304	13.2%
93.8%	2,001	2,452	451	22.5%
95.1%	1,896	2,303	407	21.5%
96.3%	1,659	1,791	131	7.9%
97.5%	1,527	1,719	192	12.6%
98.8%	1,465	1,659	194	13.2%
100.0%	1,455	1,629	175	12.0%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,546	4,546	0	0.0%
8.6%	4,541	4,521	-20	-0.4%
9.9%	4,522	4,518	-4	-0.1%
11.1%	4,503	4,514	11	0.3%
12.3%	4,500	4,501	1	0.0%
13.6%	4,499	4,500	1	0.0%
14.8%	4,488	4,498	10	0.2%
16.0%	4,479	4,488	9	0.2%
17.3%	4,470	4,479	9	0.2%
18.5%	4,461	4,471	10	0.2%
19.8%	4,456	4,456	0	0.0%
21.0%	4,451	4,456	5	0.1%
22.2%	4,442	4,451	9	0.2%
23.5%	4,438	4,434	-4	-0.1%
24.7%	4,434	4,433	-1	0.0%
25.9%	4,432	4,427	-4	-0.1%
27.2%	4,418	4,420	1	0.0%
28.4%	4,418	4,418	0	0.0%
29.6%	4,398	4,410	12	0.3%
30.9%	4,396	4,405	9	0.2%
32.1%	4,380	4,401	21	0.5%
33.3%	4,341	4,398	56	1.3%
34.6%	4,334	4,341	7	0.2%
35.8%	4,332	4,329	-4	-0.1%
37.0%	4,332	4,327	-5	-0.1%
38.3%	4,329	4,290	-39	-0.9%
39.5%	4,316	4,289	-27	-0.6%
40.7%	4,292	4,289	-4	-0.1%
42.0%	4,290	4,275	-15	-0.4%
43.2%	4,289	4,265	-24	-0.6%
44.4%	4,289	4,237	-52	-1.2%
45.7%	4,271	4,225	-47	-1.1%
46.9%	4,230	4,217	-13	-0.3%
48.1%	4,217	4,189	-28	-0.7%
49.4%	4,177	4,182	6	0.1%
50.6%	4,173	4,173	0	0.0%
51.9%	4,137	4,137	0	0.0%
53.1%	4,131	4,131	0	0.0%
54.3%	4,105	4,118	14	0.3%
55.6%	4,094	4,094	0	0.0%
56.8%	4,085	4,074	-11	-0.3%
58.0%	4,074	4,060	-14	-0.3%
59.3%	4,064	4,058	-6	-0.1%
60.5%	4,058	4,053	-5	-0.1%
61.7%	4,014	4,032	17	0.4%
63.0%	4,001	4,012	11	0.3%
64.2%	3,990	4,010	20	0.5%
65.4%	3,952	3,994	42	1.1%
66.7%	3,943	3,993	49	1.3%
67.9%	3,928	3,988	60	1.5%
69.1%	3,919	3,975	56	1.4%
70.4%	3,888	3,966	78	2.0%
71.6%	3,850	3,950	99	2.6%
72.8%	3,843	3,939	96	2.5%
74.1%	3,819	3,869	49	1.3%
75.3%	3,812	3,858	46	1.2%
76.5%	3,796	3,839	44	1.1%
77.8%	3,762	3,777	15	0.4%
79.0%	3,758	3,742	-16	-0.4%
80.2%	3,724	3,617	-106	-2.9%
81.5%	3,612	3,588	-24	-0.7%
82.7%	3,525	3,548	23	0.6%
84.0%	3,306	3,356	50	1.5%
85.2%	3,147	3,264	117	3.7%
86.4%	3,127	3,220	93	3.0%
87.7%	2,991	3,180	188	6.3%
88.9%	2,835	3,087	252	8.9%
90.1%	2,699	2,724	24	0.9%
91.4%	2,598	2,702	103	4.0%
92.6%	2,163	2,699	536	24.8%
93.8%	2,148	2,500	352	16.4%
95.1%	2,069	2,465	396	19.1%
96.3%	1,998	2,370	372	18.6%
97.5%	1,588	1,956	368	23.2%
98.8%	1,583	1,920	337	21.3%
100.0%	1,527	1,750	223	14.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,552	4,552	0	0.0%
18.5%	4,552	4,552	0	0.0%
19.8%	4,552	4,552	0	0.0%
21.0%	4,552	4,552	0	0.0%
22.2%	4,552	4,552	0	0.0%
23.5%	4,552	4,552	0	0.0%
24.7%	4,552	4,552	0	0.0%
25.9%	4,552	4,552	0	0.0%
27.2%	4,552	4,552	0	0.0%
28.4%	4,552	4,552	0	0.0%
29.6%	4,552	4,552	0	0.0%
30.9%	4,552	4,552	0	0.0%
32.1%	4,552	4,552	0	0.0%
33.3%	4,552	4,552	0	0.0%
34.6%	4,543	4,543	1	0.0%
35.8%	4,528	4,528	-1	0.0%
37.0%	4,495	4,513	18	0.4%
38.3%	4,494	4,478	-16	-0.4%
39.5%	4,487	4,467	-20	-0.4%
40.7%	4,482	4,456	-26	-0.6%
42.0%	4,458	4,455	-3	-0.1%
43.2%	4,450	4,448	-3	-0.1%
44.4%	4,440	4,447	7	0.2%
45.7%	4,429	4,442	13	0.3%
46.9%	4,425	4,425	1	0.0%
48.1%	4,358	4,391	33	0.8%
49.4%	4,278	4,384	106	2.5%
50.6%	4,265	4,265	0	0.0%
51.9%	4,259	4,256	-3	-0.1%
53.1%	4,258	4,244	-14	-0.3%
54.3%	4,224	4,194	-30	-0.7%
55.6%	4,222	4,167	-55	-1.3%
56.8%	4,155	4,155	0	0.0%
58.0%	4,134	4,152	18	0.4%
59.3%	4,082	4,140	58	1.4%
60.5%	4,079	4,120	40	1.0%
61.7%	4,004	4,098	94	2.3%
63.0%	4,001	4,087	86	2.1%
64.2%	3,941	4,045	103	2.6%
65.4%	3,934	4,007	73	1.9%
66.7%	3,859	4,000	141	3.7%
67.9%	3,813	3,970	156	4.1%
69.1%	3,785	3,966	181	4.8%
70.4%	3,778	3,832	54	1.4%
71.6%	3,759	3,786	27	0.7%
72.8%	3,714	3,777	64	1.7%
74.1%	3,647	3,728	81	2.2%
75.3%	3,626	3,724	99	2.7%
76.5%	3,622	3,627	5	0.2%
77.8%	3,589	3,619	30	0.8%
79.0%	3,573	3,571	-2	-0.1%
80.2%	3,557	3,563	6	0.2%
81.5%	3,523	3,527	4	0.1%
82.7%	3,406	3,427	21	0.6%
84.0%	3,326	3,412	86	2.6%
85.2%	3,125	3,336	211	6.8%
86.4%	3,049	3,284	235	7.7%
87.7%	3,012	3,203	191	6.4%
88.9%	3,006	3,081	75	2.5%
90.1%	2,975	3,014	39	1.3%
91.4%	2,308	2,590	282	12.2%
92.6%	2,124	2,421	297	14.0%
93.8%	1,927	2,374	447	23.2%
95.1%	1,834	2,326	493	26.9%
96.3%	1,769	2,306	537	30.4%
97.5%	1,735	2,113	378	21.8%
98.8%	1,678	2,048	371	22.1%
100.0%	1,397	1,622	225	16.1%

Table SW-07-7b

Shasta Lake, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,500	0	0.0%
1.2%	4,500	4,500	0	0.0%
2.5%	4,500	4,500	0	0.0%
3.7%	4,500	4,486	-14	-0.3%
4.9%	4,500	4,465	-35	-0.8%
6.2%	4,500	4,457	-43	-1.0%
7.4%	4,500	4,445	-55	-1.2%
8.6%	4,500	4,443	-57	-1.3%
9.9%	4,465	4,440	-25	-0.6%
11.1%	4,465	4,427	-38	-0.8%
12.3%	4,463	4,414	-49	-1.1%
13.6%	4,439	4,412	-28	-0.6%
14.8%	4,420	4,399	-21	-0.5%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,349	0	0.0%
18.5%	4,341	4,331	-11	-0.2%
19.8%	4,339	4,322	-16	-0.4%
21.0%	4,332	4,321	-11	-0.3%
22.2%	4,329	4,299	-30	-0.7%
23.5%	4,318	4,298	-20	-0.5%
24.7%	4,287	4,298	11	0.2%
25.9%	4,273	4,295	22	0.5%
27.2%	4,244	4,279	35	0.8%
28.4%	4,238	4,264	27	0.6%
29.6%	4,226	4,253	27	0.6%
30.9%	4,223	4,251	28	0.7%
32.1%	4,199	4,244	45	1.1%
33.3%	4,193	4,211	19	0.4%
34.6%	4,187	4,203	15	0.4%
35.8%	4,181	4,193	12	0.3%
37.0%	4,165	4,183	18	0.4%
38.3%	4,078	4,155	77	1.9%
39.5%	4,036	4,121	85	2.1%
40.7%	4,033	4,106	72	1.8%
42.0%	4,027	4,104	77	1.9%
43.2%	4,012	4,093	81	2.0%
44.4%	3,990	4,084	94	2.4%
45.7%	3,987	4,082	95	2.4%
46.9%	3,973	4,062	89	2.2%
48.1%	3,886	4,035	149	3.8%
49.4%	3,881	3,991	110	2.8%
50.6%	3,870	3,989	119	3.1%
51.9%	3,852	3,937	86	2.2%
53.1%	3,839	3,905	66	1.7%
54.3%	3,832	3,904	73	1.9%
55.6%	3,783	3,901	117	3.1%
56.8%	3,774	3,897	123	3.2%
58.0%	3,749	3,853	104	2.8%
59.3%	3,737	3,829	92	2.5%
60.5%	3,711	3,781	69	1.9%
61.7%	3,682	3,765	83	2.3%
63.0%	3,662	3,759	97	2.7%
64.2%	3,659	3,736	78	2.1%
65.4%	3,610	3,729	119	3.3%
66.7%	3,565	3,682	117	3.3%
67.9%	3,538	3,607	70	2.0%
69.1%	3,429	3,545	116	3.4%
70.4%	3,412	3,530	118	3.5%
71.6%	3,412	3,507	95	2.8%
72.8%	3,401	3,454	53	1.6%
74.1%	3,299	3,413	114	3.5%
75.3%	3,228	3,349	121	3.8%
76.5%	3,201	3,308	107	3.3%
77.8%	3,200	3,261	61	1.9%
79.0%	3,200	3,258	58	1.8%
80.2%	3,155	3,234	79	2.5%
81.5%	3,152	3,234	82	2.6%
82.7%	2,894	3,196	302	10.4%
84.0%	2,886	3,073	187	6.5%
85.2%	2,782	3,065	283	10.2%
86.4%	2,779	2,943	164	5.9%
87.7%	2,772	2,919	148	5.3%
88.9%	2,690	2,830	140	5.2%
90.1%	2,509	2,793	284	11.3%
91.4%	1,869	2,190	322	17.2%
92.6%	1,843	2,136	294	15.9%
93.8%	1,563	1,930	367	23.5%
95.1%	1,531	1,903	373	24.3%
96.3%	1,476	1,836	360	24.4%
97.5%	1,360	1,822	462	34.0%
98.8%	1,260	1,807	547	43.4%
100.0%	878	1,103	225	25.6%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,150	0	0.0%
1.2%	4,150	4,150	0	0.0%
2.5%	4,150	4,150	0	0.0%
3.7%	4,150	4,122	-28	-0.7%
4.9%	4,150	4,115	-35	-0.9%
6.2%	4,150	4,098	-52	-1.3%
7.4%	4,112	4,080	-32	-0.8%
8.6%	4,100	4,068	-32	-0.8%
9.9%	4,079	4,058	-21	-0.5%
11.1%	4,039	4,053	14	0.3%
12.3%	4,036	4,052	16	0.4%
13.6%	4,026	3,994	-31	-0.8%
14.8%	3,995	3,970	-25	-0.6%
16.0%	3,975	3,962	-14	-0.3%
17.3%	3,973	3,937	-36	-0.9%
18.5%	3,943	3,935	-9	-0.2%
19.8%	3,935	3,887	-47	-1.2%
21.0%	3,931	3,871	-60	-1.5%
22.2%	3,917	3,846	-71	-1.8%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,795	66	1.8%
25.9%	3,718	3,774	56	1.5%
27.2%	3,699	3,769	70	1.9%
28.4%	3,698	3,752	55	1.5%
29.6%	3,689	3,751	62	1.7%
30.9%	3,677	3,749	72	2.0%
32.1%	3,635	3,688	53	1.5%
33.3%	3,623	3,668	45	1.2%
34.6%	3,620	3,661	41	1.1%
35.8%	3,585	3,654	69	1.9%
37.0%	3,568	3,637	69	1.9%
38.3%	3,480	3,607	127	3.7%
39.5%	3,462	3,589	128	3.7%
40.7%	3,413	3,584	171	5.0%
42.0%	3,408	3,581	173	5.1%
43.2%	3,408	3,567	159	4.7%
44.4%	3,400	3,533	133	3.9%
45.7%	3,389	3,507	118	3.5%
46.9%	3,388	3,454	66	2.0%
48.1%	3,380	3,449	70	2.1%
49.4%	3,375	3,444	69	2.0%
50.6%	3,361	3,426	65	1.9%
51.9%	3,355	3,388	33	1.0%
53.1%	3,346	3,334	-12	-0.4%
54.3%	3,334	3,319	-14	-0.4%
55.6%	3,278	3,306	29	0.9%
56.8%	3,257	3,298	41	1.3%
58.0%	3,207	3,282	76	2.4%
59.3%	3,206	3,275	69	2.1%
60.5%	3,200	3,273	73	2.3%
61.7%	3,174	3,227	54	1.7%
63.0%	3,149	3,198	49	1.5%
64.2%	3,137	3,180	43	1.4%
65.4%	3,113	3,177	64	2.1%
66.7%	3,038	3,169	131	4.3%
67.9%	2,984	3,097	113	3.8%
69.1%	2,977	3,080	103	3.5%
70.4%	2,880	3,061	182	6.3%
71.6%	2,873	3,046	173	6.0%
72.8%	2,846	2,945	99	3.5%
74.1%	2,778	2,914	136	4.9%
75.3%	2,770	2,896	126	4.5%
76.5%	2,733	2,879	146	5.3%
77.8%	2,712	2,874	162	6.0%
79.0%	2,674	2,818	144	5.4%
80.2%	2,600	2,736	136	5.2%
81.5%	2,593	2,731	138	5.3%
82.7%	2,397	2,643	246	10.3%
84.0%	2,383	2,554	171	7.2%
85.2%	2,361	2,517	157	6.6%
86.4%	2,261	2,474	213	9.4%
87.7%	2,258	2,450	192	8.5%
88.9%	2,192	2,382	189	8.6%
90.1%	1,997	2,229	232	11.6%
91.4%	1,509	1,770	261	17.3%
92.6%	1,423	1,673	249	17.5%
93.8%	1,305	1,605	300	23.0%
95.1%	1,139	1,463	324	28.4%
96.3%	1,040	1,393	352	33.8%
97.5%	897	1,326	429	47.9%
98.8%	650	1,300	650	100.0%
100.0%	606	676	69	11.5%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,700	0	0.0%
3.7%	3,700	3,700	0	0.0%
4.9%	3,700	3,700	0	0.0%
6.2%	3,700	3,700	0	0.0%
7.4%	3,700	3,700	0	0.0%
8.6%	3,700	3,700	0	0.0%
9.9%	3,700	3,700	0	0.0%
11.1%	3,700	3,700	0	0.0%
12.3%	3,700	3,700	0	0.0%
13.6%	3,700	3,700	0	0.0%
14.8%	3,700	3,693	-7	-0.2%
16.0%	3,682	3,679	-3	-0.1%
17.3%	3,652	3,669	17	0.5%
18.5%	3,651	3,659	7	0.2%
19.8%	3,619	3,618	-1	0.0%
21.0%	3,592	3,569	-23	-0.6%
22.2%	3,572	3,527	-45	-1.3%
23.5%	3,539	3,527	-12	-0.3%
24.7%	3,420	3,504	84	2.5%
25.9%	3,402	3,475	73	2.1%
27.2%	3,380	3,472	92	2.7%
28.4%	3,367	3,460	92	2.7%
29.6%	3,334	3,450	117	3.5%
30.9%	3,333	3,394	60	1.8%
32.1%	3,331	3,381	50	1.5%
33.3%	3,297	3,380	83	2.5%
34.6%	3,286	3,377	92	2.8%
35.8%	3,250	3,349	99	3.0%
37.0%	3,217	3,331	114	3.6%
38.3%	3,210	3,315	105	3.3%
39.5%	3,205	3,307	102	3.2%
40.7%	3,112	3,295	183	5.9%
42.0%	3,107	3,248	141	4.5%
43.2%	3,090	3,232	143	4.6%
44.4%	3,074	3,221	147	4.8%
45.7%	3,066	3,166	99	3.2%
46.9%	3,060	3,125	66	2.1%
48.1%	3,039	3,112	74	2.4%
49.4%	3,019	3,095	77	2.5%
50.6%	3,017	3,085	68	2.3%
51.9%	2,951	3,068	117	4.0%
53.1%	2,947	3,041	94	3.2%
54.3%	2,941	3,033	92	3.1%
55.6%	2,931	2,987	56	1.9%
56.8%	2,901	2,987	86	3.0%
58.0%	2,897	2,963	66	2.3%
59.3%	2,864	2,960	96	3.3%
60.5%	2,858	2,946	88	3.1%
61.7%	2,851	2,921	70	2.4%
63.0%	2,793	2,865	72	2.6%
64.2%	2,749	2,859	110	4.0%
65.4%	2,701	2,842	141	5.2%
66.7%	2,698	2,839	141	5.2%
67.9%	2,673	2,808	135	5.1%
69.1%	2,642	2,762	120	4.5%
70.4%	2,635	2,744	109	4.1%
71.6%	2,634	2,731	97	3.7%
72.8%	2,617	2,700	83	3.2%
74.1%	2,585	2,653	68	2.6%
75.3%	2,483	2,568	85	3.4%
76.5%	2,438	2,562	124	5.1%
77.8%	2,434	2,514	80	3.3%
79.0%	2,280	2,487	208	9.1%
80.2%	2,169	2,410	241	11.1%
81.5%	2,146	2,319	172	8.0%
82.7%	2,097	2,218	122	5.8%
84.0%	2,045	2,176	130	6.4%
85.2%	2,018	2,155	137	6.8%
86.4%	1,932	2,134	202	10.5%
87.7%	1,805	1,963	158	8.7%
88.9%	1,734	1,841	107	6.2%
90.1%	1,719	1,812	93	5.4%
91.4%	1,220	1,472	252	20.7%
92.6%	1,142	1,383	241	21.1%
93.8%	1,064	1,301	237	22.3%
95.1%	757	1,226	469	61.9%
96.3%	642	884	242	37.7%
97.5%	557	856	298	53.5%
98.8%	550	838	288	52.4%
100.0%	550	575	25	4.6%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,396	22	0.6%
13.6%	3,353	3,377	25	0.7%
14.8%	3,352	3,368	16	0.5%
16.0%	3,349	3,328	-21	-0.6%
17.3%	3,333	3,309	-25	-0.7%
18.5%	3,242	3,305	63	2.0%
19.8%	3,237	3,303	66	2.0%
21.0%	3,232	3,296	64	2.0%
22.2%	3,199	3,279	80	2.5%
23.5%	3,198	3,267	69	2.2%
24.7%	3,187	3,263	76	2.4%
25.9%	3,170	3,224	54	1.7%
27.2%	3,160	3,221	62	1.9%
28.4%	3,146	3,215	69	2.2%
29.6%	3,144	3,208	64	2.0%
30.9%	3,119	3,203	84	2.7%
32.1%	3,083	3,200	117	3.8%
33.3%	3,078	3,200	122	4.0%
34.6%	3,064	3,199	134	4.4%
35.8%	3,028	3,188	161	5.3%
37.0%	3,022	3,165	142	4.7%
38.3%	2,979	3,115	136	4.6%
39.5%	2,976	3,103	126	4.2%
40.7%	2,970	3,097	126	4.3%
42.0%	2,964	3,067	103	3.5%
43.2%	2,955	3,065	111	3.8%
44.4%	2,941	3,061	120	4.1%
45.7%	2,929	3,025	96	3.3%
46.9%	2,921	3,023	103	3.5%
48.1%	2,896	2,990	94	3.3%
49.4%	2,891	2,981	90	3.1%
50.6%	2,844	2,978	133	4.7%
51.9%	2,838	2,946	108	3.8%
53.1%	2,830	2,927	98	3.4%
54.3%	2,823	2,926	103	3.7%
55.6%	2,821	2,909	88	3.1%
56.8%	2,796	2,885	89	3.2%
58.0%	2,796	2,880	84	3.0%
59.3%	2,708	2,844	135	5.0%
60.5%	2,664	2,834	170	6.4%
61.7%	2,658	2,806	148	5.6%
63.0%	2,646	2,795	150	5.7%
64.2%	2,630	2,736	106	4.0%
65.4%	2,615	2,714	99	3.8%
66.7%	2,569	2,677	107	4.2%
67.9%	2,554	2,669	114	4.5%
69.1%	2,545	2,648	103	4.0%
70.4%	2,538	2,620	82	3.2%
71.6%	2,491	2,601	109	4.4%
72.8%	2,399	2,580	181	7.6%
74.1%	2,335	2,519	184	7.9%
75.3%	2,332	2,510	178	7.6%
76.5%	2,315	2,436	121	5.2%
77.8%	2,237	2,399	162	7.2%
79.0%	2,233	2,385	152	6.8%
80.2%	2,228	2,382	154	6.9%
81.5%	2,099	2,226	128	6.1%
82.7%	2,086	2,160	74	3.6%
84.0%	2,055	2,145	90	4.4%
85.2%	1,928	2,044	116	6.0%
86.4%	1,906	1,991	84	4.4%
87.7%	1,623	1,815	193	11.9%
88.9%	1,615	1,793	178	11.0%
90.1%	1,609	1,760	151	9.4%
91.4%	1,118	1,435	317	28.3%
92.6%	971	1,282	311	32.0%
93.8%	965	1,202	238	24.6%
95.1%	640	1,036	395	61.8%
96.3%	569	885	316	55.5%
97.5%	550	800	250	45.4%
98.8%	550	745	195	35.4%
100.0%	550	550	0	0.0%

Table SW-08-7a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative C	986	985	992	1,004	1,016	1,032	1,044	1,046	1,034	1,014	998	990
Difference	6	6	4	3	1	2	2	3	5	6	6	6
Percent Difference[3]	0.6%	0.6%	0.4%	0.3%	0.1%	0.2%	0.2%	0.3%	0.5%	0.6%	0.6%	0.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative C	1,010	1,005	1,009	1,024	1,033	1,042	1,059	1,064	1,057	1,043	1,030	1,014
Difference	2	1	-1	0	-1	0	0	0	0	1	1	3
Percent Difference	0.2%	0.1%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative C	1,008	1,004	1,008	1,012	1,023	1,046	1,062	1,064	1,053	1,031	1,018	1,013
Difference	4	3	0	2	0	0	0	0	1	2	3	5
Percent Difference	0.4%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%	0.5%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative C	1,000	1,003	1,005	1,001	1,016	1,034	1,049	1,051	1,040	1,018	1,005	1,002
Difference	2	1	-1	0	-1	0	0	0	2	1	3	2
Percent Difference	0.2%	0.1%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.2%	0.1%	0.3%	0.2%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative C	983	985	995	997	1,012	1,034	1,042	1,040	1,027	1,005	989	985
Difference	11	9	7	3	0	1	3	5	7	8	8	8
Percent Difference	1.1%	0.9%	0.7%	0.3%	0.0%	0.1%	0.3%	0.5%	0.7%	0.8%	0.8%	0.8%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative C	902	903	916	969	979	992	993	990	970	942	915	909
Difference	17	18	17	12	10	8	12	15	18	22	18	18
Percent Difference	1.9%	2.0%	1.9%	1.3%	1.0%	0.9%	1.2%	1.5%	1.9%	2.4%	2.0%	2.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-08-7b
Shasta Lake, End of Month Elevation
Probability of Exceedance

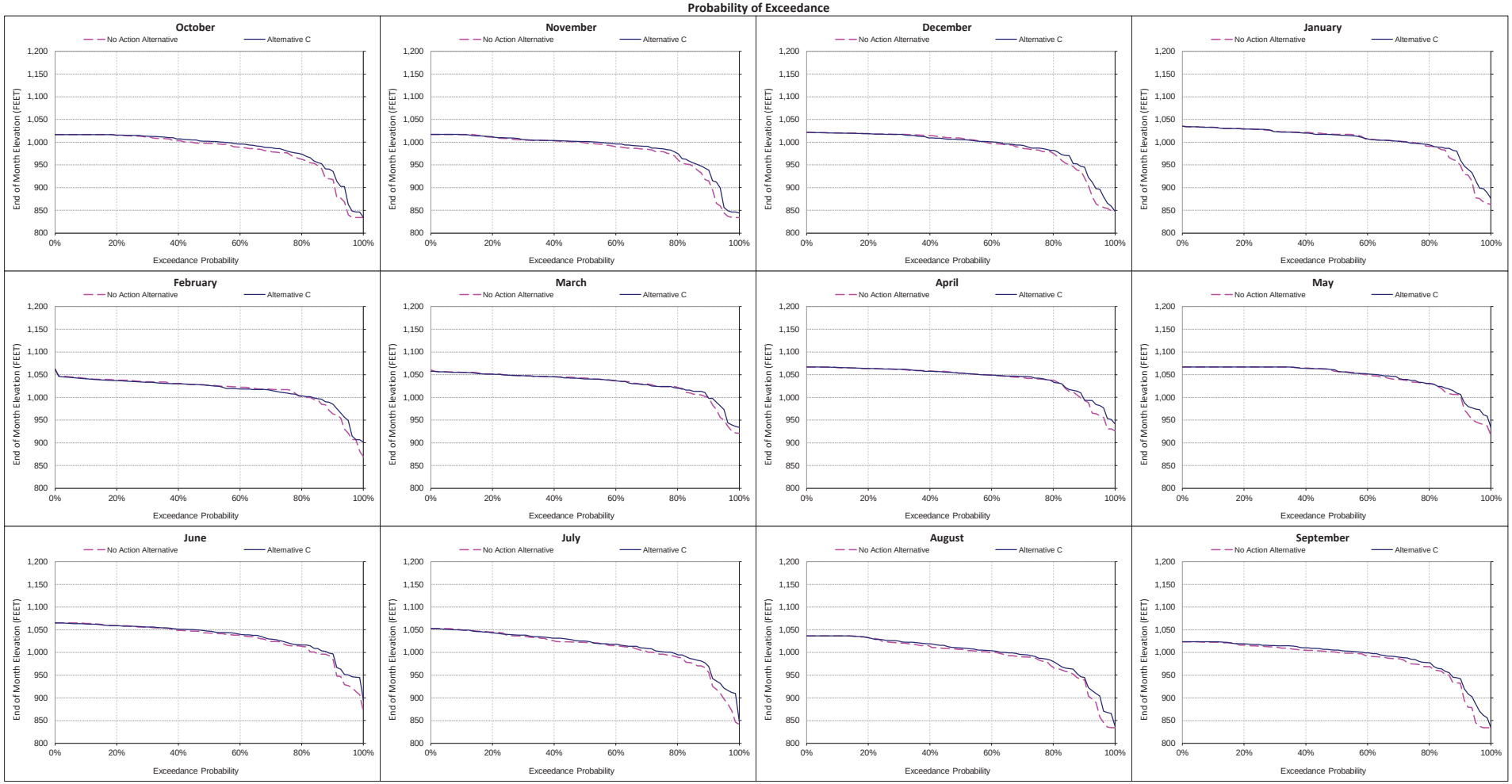

Table SW-08-7b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,016	0	0.0%
21.0%	1,015	1,015	0	0.0%
22.2%	1,015	1,015	0	0.0%
23.5%	1,015	1,015	1	0.1%
24.7%	1,014	1,015	1	0.1%
25.9%	1,014	1,015	1	0.1%
27.2%	1,014	1,015	1	0.1%
28.4%	1,013	1,014	1	0.1%
29.6%	1,011	1,013	2	0.2%
30.9%	1,011	1,013	2	0.2%
32.1%	1,009	1,013	4	0.4%
33.3%	1,008	1,012	4	0.4%
34.6%	1,008	1,012	4	0.4%
35.8%	1,007	1,011	4	0.4%
37.0%	1,007	1,010	3	0.3%
38.3%	1,004	1,010	6	0.6%
39.5%	1,003	1,007	4	0.4%
40.7%	1,003	1,007	4	0.4%
42.0%	1,000	1,006	5	0.5%
43.2%	1,000	1,005	5	0.5%
44.4%	1,000	1,005	5	0.5%
45.7%	998	1,005	7	0.7%
46.9%	998	1,003	5	0.5%
48.1%	998	1,002	5	0.5%
49.4%	998	1,002	5	0.5%
50.6%	997	1,002	5	0.5%
51.9%	996	1,001	5	0.5%
53.1%	996	1,001	5	0.5%
54.3%	996	1,000	5	0.5%
55.6%	996	999	4	0.4%
56.8%	993	999	6	0.6%
58.0%	990	997	7	0.7%
59.3%	989	996	7	0.7%
60.5%	989	996	7	0.7%
61.7%	987	996	8	0.8%
63.0%	986	994	8	0.8%
64.2%	986	993	7	0.7%
65.4%	985	992	7	0.7%
66.7%	984	991	7	0.7%
67.9%	981	989	7	0.7%
69.1%	981	988	7	0.7%
70.4%	978	987	9	0.9%
71.6%	978	986	8	0.8%
72.8%	977	986	9	0.9%
74.1%	977	983	6	0.6%
75.3%	977	980	4	0.4%
76.5%	971	978	7	0.8%
77.8%	967	976	9	0.9%
79.0%	964	975	11	1.2%
80.2%	962	973	11	1.2%
81.5%	958	969	10	1.1%
82.7%	955	966	11	1.1%
84.0%	954	958	5	0.5%
85.2%	948	955	7	0.7%
86.4%	942	953	10	1.1%
87.7%	921	941	21	2.3%
88.9%	920	941	21	2.3%
90.1%	918	936	18	2.0%
91.4%	878	914	36	4.1%
92.6%	877	903	26	3.0%
93.8%	869	902	33	3.8%
95.1%	840	863	23	2.8%
96.3%	834	849	14	1.7%
97.5%	834	846	12	1.4%
98.8%	834	846	12	1.4%
100.0%	834	834	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,016	-1	-0.1%
13.6%	1,017	1,014	-3	-0.3%
14.8%	1,015	1,014	-1	-0.1%
16.0%	1,014	1,014	0	0.0%
17.3%	1,013	1,013	0	0.0%
18.5%	1,011	1,013	2	0.2%
19.8%	1,011	1,012	1	0.1%
21.0%	1,010	1,011	0	0.0%
22.2%	1,009	1,010	1	0.1%
23.5%	1,008	1,010	2	0.2%
24.7%	1,008	1,010	2	0.2%
25.9%	1,007	1,010	3	0.3%
27.2%	1,006	1,009	3	0.3%
28.4%	1,006	1,008	3	0.3%
29.6%	1,005	1,006	0	0.0%
30.9%	1,005	1,006	1	0.1%
32.1%	1,004	1,005	0	0.0%
33.3%	1,004	1,005	1	0.1%
34.6%	1,004	1,004	0	0.0%
35.8%	1,004	1,004	1	0.1%
37.0%	1,004	1,004	0	0.0%
38.3%	1,004	1,004	0	0.0%
39.5%	1,003	1,004	1	0.1%
40.7%	1,002	1,004	1	0.1%
42.0%	1,002	1,003	1	0.1%
43.2%	1,002	1,003	1	0.1%
44.4%	1,001	1,002	1	0.1%
45.7%	1,001	1,002	1	0.1%
46.9%	1,001	1,002	1	0.1%
48.1%	1,001	1,002	1	0.1%
49.4%	999	1,002	2	0.2%
50.6%	998	1,002	4	0.4%
51.9%	998	1,001	3	0.3%
53.1%	997	1,001	4	0.4%
54.3%	996	1,000	4	0.4%
55.6%	996	999	4	0.4%
56.8%	994	998	4	0.4%
58.0%	993	998	5	0.5%
59.3%	991	997	6	0.6%
60.5%	990	996	6	0.6%
61.7%	989	996	7	0.7%
63.0%	988	994	6	0.6%
64.2%	987	994	6	0.7%
65.4%	987	993	6	0.6%
66.7%	987	992	5	0.5%
67.9%	986	992	6	0.6%
69.1%	985	991	6	0.6%
70.4%	984	991	6	0.6%
71.6%	983	987	4	0.4%
72.8%	979	987	8	0.8%
74.1%	979	986	7	0.7%
75.3%	979	986	7	0.7%
76.5%	976	984	8	0.8%
77.8%	974	983	9	1.0%
79.0%	969	979	9	1.0%
80.2%	960	974	14	1.4%
81.5%	954	964	9	1.0%
82.7%	952	962	10	1.1%
84.0%	951	958	7	0.7%
85.2%	947	953	7	0.7%
86.4%	938	951	13	1.4%
87.7%	933	948	15	1.6%
88.9%	918	943	25	2.7%
90.1%	914	939	24	2.7%
91.4%	894	915	20	2.3%
92.6%	866	912	47	5.4%
93.8%	860	899	40	4.6%
95.1%	844	857	12	1.5%
96.3%	837	849	12	1.4%
97.5%	835	847	12	1.4%
98.8%	834	846	12	1.4%
100.0%	834	844	10	1.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,022	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,020	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,019	0	0.0%
17.3%	1,020	1,019	-1	-0.1%
18.5%	1,019	1,019	0	0.0%
19.8%	1,019	1,019	0	0.0%
21.0%	1,018	1,018	0	0.0%
22.2%	1,018	1,018	0	0.0%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
25.9%	1,018	1,017	0	0.0%
27.2%	1,018	1,017	0	0.0%
28.4%	1,017	1,017	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,015	-2	-0.2%
33.3%	1,017	1,015	-2	-0.2%
34.6%	1,017	1,015	-1	-0.1%
35.8%	1,016	1,013	-3	-0.3%
37.0%	1,015	1,013	-2	-0.2%
38.3%	1,015	1,012	-3	-0.3%
39.5%	1,015	1,010	-5	-0.5%
40.7%	1,014	1,009	-5	-0.5%
42.0%	1,013	1,009	-4	-0.4%
43.2%	1,011	1,009	-2	-0.2%
44.4%	1,011	1,008	-3	-0.3%
45.7%	1,010	1,007	-3	-0.3%
46.9%	1,010	1,006	-3	-0.3%
48.1%	1,010	1,006	-3	-0.3%
49.4%	1,009	1,005	-4	-0.4%
50.6%	1,008	1,005	-3	-0.3%
51.9%	1,006	1,005	-1	-0.1%
53.1%	1,006	1,004	-1	-0.1%
54.3%	1,005	1,003	-2	-0.2%
55.6%	1,003	1,002	-1	-0.1%
56.8%	1,003	1,002	-1	-0.1%
58.0%	1,000	1,001	1	0.1%
59.3%	998	1,001	3	0.3%
60.5%	997	1,001	4	0.4%
61.7%	996	1,000	4	0.4%
63.0%	996	999	3	0.3%
64.2%	995	996	1	0.1%
65.4%	994	996	2	0.2%
66.7%	994	995	2	0.2%
67.9%	990	994	4	0.4%
69.1%	989	994	4	0.5%
70.4%	986	993	7	0.7%
71.6%	986	990	4	0.5%
72.8%	984	987	3	0.3%
74.1%	983	987	4	0.4%
75.3%	982	987	5	0.5%
76.5%	979	986	7	0.7%
77.8%	979	984	5	0.5%
79.0%	979	982	3	0.3%
80.2%	974	982	8	0.8%
81.5%	968	978	10	1.1%
82.7%	960	973	13	1.3%
84.0%	954	971	17	1.8%
85.2%	951	970	20	2.1%
86.4%	946	953	7	0.7%
87.7%	938	952	14	1.5%
88.9%	937	947	10	1.1%
90.1%	921	945	24	2.6%
91.4%	905	923	19	2.0%
92.6%	880	912	32	3.6%
93.8%	864	898	34	3.9%
95.1%	859	897	37	4.4%
96.3%	857	880	23	2.7%
97.5%	854	866	12	1.4%
98.8%	849	859	10	1.2%
100.0%	848	848	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,034	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,034	0	0.0%
6.2%	1,033	1,033	0	0.0%
7.4%	1,033	1,033	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,032	0	0.0%
12.3%	1,031	1,030	0	0.0%
13.6%	1,030	1,030	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,029	0	0.0%
21.0%	1,029	1,029	0	0.0%
22.2%	1,029	1,029	0	0.0%
23.5%	1,028	1,028	0	0.0%
24.7%	1,028	1,028	0	0.0%
25.9%	1,027	1,028	1	0.1%
27.2%	1,027	1,028	1	0.1%
28.4%	1,026	1,027	1	0.1%
29.6%	1,025	1,023	-2	-0.2%
30.9%	1,024	1,023	-1	-0.1%
32.1%	1,023	1,022	-1	-0.1%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,021	-1	-0.1%
39.5%	1,022	1,020	-2	-0.2%
40.7%	1,022	1,020	-2	-0.2%
42.0%	1,021	1,019	-2	-0.2%
43.2%	1,020	1,017	-3	-0.3%
44.4%	1,020	1,017	-3	-0.3%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,016	-1	-0.1%
50.6%	1,017	1,016	-1	-0.1%
51.9%	1,017	1,016	-1	-0.1%
53.1%	1,017	1,015	-2	-0.2%
54.3%	1,017	1,015	-2	-0.2%
55.6%	1,016	1,014	-2	-0.2%
56.8%	1,016	1,013	-3	-0.3%
58.0%	1,012	1,011	-1	-0.1%
59.3%	1,007	1,008	2	0.2%
60.5%	1,007	1,007	0	0.0%
61.7%	1,006	1,005	-1	-0.1%
63.0%	1,005	1,005	0	0.0%
64.2%	1,005	1,005	0	0.0%
65.4%	1,005	1,004	0	0.0%
66.7%	1,004	1,004	-1	-0.1%
67.9%	1,003	1,003	0	0.0%
69.1%	1,003	1,002	0	0.0%
70.4%	1,002	1,002	0	0.0%
71.6%	1,001	1,001	-1	-0.1%
72.8%	1,001	1,000	-1	-0.1%
74.1%	1,001	998	-3	-0.3%
75.3%	999	998	-1	-0.1%
76.5%	997	997	0	0.0%
77.8%	995	996	1	0.1%
79.0%	991	996	4	0.4%
80.2%	991	994	3	0.3%
81.5%	991	990	0	0.0%
82.7%	988	989	1	0.1%
84.0%	984	989	5	0.5%
85.2%	983	987	4	0.4%
86.4%	966	986	20	2.1%
87.7%	962	982	20	2.1%
88.9%	958	981	22	2.3%
90.1%	949	960	11	1.2%
91.4%	929	947	18	2.0%
92.6%	928	940	12	1.3%
93.8%	915	933	18	2.0%
95.1%	878	915	37	4.2%
96.3%	876	899	23	2.6%
97.5%	869	898	29	3.3%
98.8%	865	889	23	2.7%
100.0%	863	876	13	1.5%

Table SW-08-7b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,063	1,063	0	0.0%
1.2%	1,047	1,046	-1	-0.1%
2.5%	1,047	1,045	-1	-0.1%
3.7%	1,046	1,044	-2	-0.2%
4.9%	1,045	1,044	-1	-0.1%
6.2%	1,044	1,044	-1	-0.1%
7.4%	1,044	1,043	-1	-0.1%
8.6%	1,043	1,042	-1	-0.1%
9.9%	1,042	1,041	-1	-0.1%
11.1%	1,042	1,040	-2	-0.2%
12.3%	1,040	1,039	-1	-0.1%
13.6%	1,040	1,039	-1	-0.1%
14.8%	1,040	1,039	-1	-0.1%
16.0%	1,039	1,038	-1	-0.1%
17.3%	1,039	1,038	-1	-0.1%
18.5%	1,039	1,038	-1	-0.1%
19.8%	1,038	1,037	-1	-0.1%
21.0%	1,038	1,037	-1	-0.1%
22.2%	1,038	1,036	-2	-0.2%
23.5%	1,038	1,036	-2	-0.2%
24.7%	1,037	1,035	-2	-0.2%
25.9%	1,036	1,035	-1	-0.1%
27.2%	1,035	1,034	-1	-0.1%
28.4%	1,035	1,034	-1	-0.1%
29.6%	1,034	1,033	-1	-0.1%
30.9%	1,034	1,033	-1	-0.1%
32.1%	1,034	1,033	-1	-0.1%
33.3%	1,034	1,032	-2	-0.2%
34.6%	1,034	1,031	-2	-0.2%
35.8%	1,034	1,031	-3	-0.3%
37.0%	1,032	1,031	-1	-0.1%
38.3%	1,031	1,030	0	0.0%
39.5%	1,031	1,030	0	0.0%
40.7%	1,030	1,030	0	0.0%
42.0%	1,029	1,029	0	0.0%
43.2%	1,029	1,029	0	0.0%
44.4%	1,028	1,028	0	0.0%
45.7%	1,028	1,028	0	0.0%
46.9%	1,028	1,028	0	0.0%
48.1%	1,028	1,027	0	0.0%
49.4%	1,027	1,027	0	0.0%
50.6%	1,026	1,026	0	0.0%
51.9%	1,026	1,025	-1	-0.1%
53.1%	1,025	1,024	0	0.0%
54.3%	1,024	1,022	-2	-0.2%
55.6%	1,024	1,020	-5	-0.4%
56.8%	1,024	1,020	-4	-0.4%
58.0%	1,024	1,019	-4	-0.4%
59.3%	1,023	1,019	-5	-0.4%
60.5%	1,022	1,019	-4	-0.4%
61.7%	1,022	1,018	-4	-0.4%
63.0%	1,021	1,018	-3	-0.3%
64.2%	1,020	1,017	-3	-0.3%
65.4%	1,019	1,017	-2	-0.2%
66.7%	1,019	1,017	-2	-0.2%
67.9%	1,019	1,017	-2	-0.2%
69.1%	1,018	1,017	-1	-0.1%
70.4%	1,018	1,016	-2	-0.2%
71.6%	1,017	1,013	-4	-0.4%
72.8%	1,017	1,012	-5	-0.5%
74.1%	1,017	1,010	-7	-0.6%
75.3%	1,017	1,009	-8	-0.8%
76.5%	1,015	1,008	-8	-0.8%
77.8%	1,009	1,007	-2	-0.2%
79.0%	1,003	1,004	0	0.0%
80.2%	1,001	1,003	2	0.2%
81.5%	1,000	1,002	2	0.2%
82.7%	1,000	1,001	2	0.2%
84.0%	995	999	3	0.3%
85.2%	995	997	2	0.2%
86.4%	985	996	12	1.2%
87.7%	984	990	7	0.7%
88.9%	971	989	19	1.9%
90.1%	963	985	22	2.3%
91.4%	961	975	14	1.5%
92.6%	955	966	11	1.2%
93.8%	930	957	26	2.8%
95.1%	921	949	28	3.0%
96.3%	907	915	8	0.9%
97.5%	907	907	0	0.0%
98.8%	882	907	25	2.9%
100.0%	869	902	33	3.8%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,061	1,058	-3	-0.3%
1.2%	1,057	1,057	0	0.0%
2.5%	1,057	1,056	-1	-0.1%
3.7%	1,056	1,056	0	0.0%
4.9%	1,056	1,056	0	0.0%
6.2%	1,056	1,055	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,055	1,055	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	-1	0.0%
13.6%	1,055	1,054	-1	-0.1%
14.8%	1,054	1,053	-1	-0.1%
16.0%	1,053	1,052	-1	-0.1%
17.3%	1,052	1,051	0	0.0%
18.5%	1,052	1,051	0	0.0%
19.8%	1,051	1,051	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,050	-1	-0.1%
24.7%	1,050	1,049	0	0.0%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,047	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,046	1,046	0	0.0%
35.8%	1,046	1,046	0	0.0%
37.0%	1,046	1,046	0	0.0%
38.3%	1,046	1,046	0	0.0%
39.5%	1,046	1,045	0	0.0%
40.7%	1,045	1,045	0	0.0%
42.0%	1,045	1,045	0	0.0%
43.2%	1,045	1,043	-2	-0.2%
44.4%	1,045	1,043	-2	-0.2%
45.7%	1,044	1,043	-2	-0.2%
46.9%	1,043	1,042	-1	-0.1%
48.1%	1,043	1,042	-1	-0.1%
49.4%	1,043	1,040	-2	-0.2%
50.6%	1,042	1,040	-2	-0.2%
51.9%	1,042	1,040	-1	-0.1%
53.1%	1,040	1,040	0	0.0%
54.3%	1,040	1,040	0	0.0%
55.6%	1,039	1,040	0	0.0%
56.8%	1,039	1,039	0	0.0%
58.0%	1,038	1,038	1	0.1%
59.3%	1,037	1,037	1	0.1%
60.5%	1,036	1,036	0	0.0%
61.7%	1,035	1,035	0	0.0%
63.0%	1,035	1,035	0	0.0%
64.2%	1,035	1,032	-3	-0.3%
65.4%	1,032	1,030	-1	-0.1%
66.7%	1,031	1,030	-1	-0.1%
67.9%	1,030	1,029	0	0.0%
69.1%	1,029	1,028	-2	-0.2%
70.4%	1,029	1,028	-2	-0.2%
71.6%	1,028	1,025	-3	-0.3%
72.8%	1,025	1,024	-1	-0.1%
74.1%	1,024	1,024	0	0.0%
75.3%	1,024	1,024	0	0.0%
76.5%	1,024	1,024	0	0.0%
77.8%	1,024	1,024	0	0.0%
79.0%	1,024	1,021	-3	-0.3%
80.2%	1,022	1,020	-1	-0.1%
81.5%	1,018	1,020	2	0.2%
82.7%	1,011	1,016	5	0.5%
84.0%	1,010	1,016	6	0.6%
85.2%	1,007	1,013	6	0.6%
86.4%	1,006	1,013	7	0.7%
87.7%	1,005	1,013	8	0.8%
88.9%	1,002	1,011	8	0.8%
90.1%	999	998	-1	-0.1%
91.4%	983	998	15	1.5%
92.6%	973	989	16	1.6%
93.8%	956	981	26	2.7%
95.1%	950	973	23	2.4%
96.3%	936	944	8	0.8%
97.5%	926	940	14	1.5%
98.8%	922	936	14	1.5%
100.0%	921	934	13	1.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,066	-1	-0.1%
9.9%	1,066	1,066	0	0.0%
11.1%	1,065	1,066	0	0.0%
12.3%	1,065	1,065	0	0.0%
13.6%	1,065	1,065	0	0.0%
14.8%	1,065	1,065	0	0.0%
16.0%	1,064	1,065	0	0.0%
17.3%	1,064	1,064	0	0.0%
18.5%	1,064	1,064	0	0.0%
19.8%	1,064	1,064	0	0.0%
21.0%	1,063	1,064	0	0.0%
22.2%	1,063	1,063	0	0.0%
23.5%	1,063	1,063	0	0.0%
24.7%	1,063	1,063	0	0.0%
25.9%	1,063	1,063	0	0.0%
27.2%	1,062	1,062	0	0.0%
28.4%	1,062	1,062	0	0.0%
29.6%	1,061	1,062	0	0.0%
30.9%	1,061	1,062	0	0.0%
32.1%	1,061	1,062	1	0.1%
33.3%	1,059	1,061	2	0.2%
34.6%	1,059	1,059	0	0.0%
35.8%	1,059	1,059	0	0.0%
37.0%	1,059	1,059	0	0.0%
38.3%	1,059	1,058	-1	-0.1%
39.5%	1,059	1,058	-1	-0.1%
40.7%	1,058	1,058	0	0.0%
42.0%	1,058	1,057	-1	-0.1%
43.2%	1,058	1,057	-1	-0.1%
44.4%	1,058	1,056	-2	-0.2%
45.7%	1,057	1,055	-2	-0.2%
46.9%	1,055	1,055	0	0.0%
48.1%	1,055	1,054	-1	-0.1%
49.4%	1,054	1,054	0	0.0%
50.6%	1,053	1,053	0	0.0%
51.9%	1,052	1,052	0	0.0%
53.1%	1,052	1,052	0	0.0%
54.3%	1,051	1,051	0	0.0%
55.6%	1,051	1,051	0	0.0%
56.8%	1,050	1,050	0	0.0%
58.0%	1,050	1,049	-1	0.0%
59.3%	1,050	1,049	0	0.0%
60.5%	1,049	1,049	0	0.0%
61.7%	1,048	1,048	1	0.1%
63.0%	1,047	1,048	0	0.0%
64.2%	1,047	1,048	1	0.1%
65.4%	1,046	1,047	1	0.1%
66.7%	1,045	1,047	2	0.2%
67.9%	1,045	1,047	2	0.2%
69.1%	1,044	1,046	2	0.2%
70.4%	1,043	1,046	3	0.3%
71.6%	1,042	1,045	4	0.3%
72.8%	1,042	1,045	3	0.3%
74.1%	1,041	1,043	2	0.2%
75.3%	1,041	1,042	2	0.2%
76.5%	1,040	1,042	2	0.1%
77.8%	1,039	1,039	1	0.1%
79.0%	1,039	1,038	-1	-0.1%
80.2%	1,037	1,033	-5	-0.4%
81.5%	1,033	1,032	-1	-0.1%
82.7%	1,029	1,030	1	0.1%
84.0%	1,019	1,022	2	0.2%
85.2%	1,012	1,018	5	0.5%
86.4%	1,012	1,016	4	0.4%
87.7%	1,006	1,014	8	0.8%
88.9%	999	1,010	11	1.1%
90.1%	993	994	1	0.1%
91.4%	989	993	4	0.5%
92.6%	965	993	28	2.9%
93.8%	964	984	20	2.1%
95.1%	960	982	22	2.3%
96.3%	956	977	21	2.2%
97.5%	931	953	23	2.4%
98.8%	930	951	21	2.2%
100.0%	926	942	15	1.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,067	0	0.0%
28.4%	1,067	1,067	0	0.0%
29.6%	1,067	1,067	0	0.0%
30.9%	1,067	1,067	0	0.0%
32.1%	1,067	1,067	0	0.0%
33.3%	1,067	1,067	0	0.0%
34.6%	1,067	1,067	0	0.0%
35.8%	1,066	1,066	0	0.0%
37.0%	1,065	1,066	1	0.1%
38.3%	1,065	1,064	-1	-0.1%
39.5%	1,065	1,064	-1	-0.1%
40.7%	1,064	1,064	-1	-0.1%
42.0%	1,064	1,064	0	0.0%
43.2%	1,063	1,063	0	0.0%
44.4%	1,063	1,063	0	0.0%
45.7%	1,063	1,063	0	0.0%
46.9%	1,062	1,062	0	0.0%
48.1%	1,060	1,061	1	0.1%
49.4%	1,057	1,061	4	0.4%
50.6%	1,057	1,057	0	0.0%
51.9%	1,057	1,056	0	0.0%
53.1%	1,056	1,056	0	0.0%
54.3%	1,055	1,054	-1	-0.1%
55.6%	1,055	1,053	-2	-0.2%
56.8%	1,053	1,053	0	0.0%
58.0%	1,052	1,053	1	0.1%
59.3%	1,050	1,052	2	0.2%
60.5%	1,050	1,052	1	0.1%
61.7%	1,047	1,051	3	0.3%
63.0%	1,047	1,050	3	0.3%
64.2%	1,045	1,049	4	0.4%
65.4%	1,045	1,048	3	0.3%
66.7%	1,042	1,047	5	0.5%
67.9%	1,041	1,046	6	0.5%
69.1%	1,040	1,046	6	0.6%
70.4%	1,039	1,041	2	0.2%
71.6%	1,039	1,040	1	0.1%
72.8%	1,037	1,039	2	0.2%
74.1%	1,034	1,038	3	0.3%
75.3%	1,033	1,037	4	0.4%
76.5%	1,033	1,033	0	0.0%
77.8%	1,032	1,033	1	0.1%
79.0%	1,031	1,031	0	0.0%
80.2%	1,030	1,030	0	0.0%
81.5%	1,029	1,029	0	0.0%
82.7%	1,024	1,025	1	0.1%
84.0%	1,020	1,024	4	0.4%
85.2%	1,011	1,021	9	0.9%
86.4%	1,008	1,018	10	1.0%
87.7%	1,007	1,015	8	0.8%
88.9%	1,006	1,010	3	0.3%
90.1%	1,005	1,007	2	0.2%
91.4%	973	988	15	1.5%
92.6%	963	980	17	1.7%
93.8%	952	977	25	2.7%
95.1%	946	974	28	3.0%
96.3%	943	973	30	3.2%
97.5%	941	962	21	2.3%
98.8%	937	959	21	2.3%
100.0%	917	933	17	1.8%

Table SW-08-7b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,065	0	0.0%
1.2%	1,065	1,065	0	0.0%
2.5%	1,065	1,065	0	0.0%
3.7%	1,065	1,065	0	0.0%
4.9%	1,065	1,064	-1	-0.1%
6.2%	1,065	1,064	-2	-0.1%
7.4%	1,065	1,063	-2	-0.2%
8.6%	1,065	1,063	-2	-0.2%
9.9%	1,064	1,063	-1	-0.1%
11.1%	1,064	1,063	-1	-0.1%
12.3%	1,064	1,062	-2	-0.2%
13.6%	1,063	1,062	-1	-0.1%
14.8%	1,062	1,062	-1	-0.1%
16.0%	1,060	1,060	0	0.0%
17.3%	1,060	1,060	0	0.0%
18.5%	1,059	1,059	0	0.0%
19.8%	1,059	1,059	-1	-0.1%
21.0%	1,059	1,059	0	0.0%
22.2%	1,059	1,058	-1	-0.1%
23.5%	1,059	1,058	-1	-0.1%
24.7%	1,058	1,058	0	0.0%
25.9%	1,057	1,058	1	0.1%
27.2%	1,056	1,057	1	0.1%
28.4%	1,056	1,057	1	0.1%
29.6%	1,055	1,056	1	0.1%
30.9%	1,055	1,056	1	0.1%
32.1%	1,054	1,056	2	0.2%
33.3%	1,054	1,055	1	0.1%
34.6%	1,054	1,055	1	0.1%
35.8%	1,054	1,054	0	0.0%
37.0%	1,053	1,054	1	0.1%
38.3%	1,050	1,053	3	0.3%
39.5%	1,049	1,052	3	0.3%
40.7%	1,048	1,051	3	0.2%
42.0%	1,048	1,051	3	0.3%
43.2%	1,048	1,051	3	0.3%
44.4%	1,047	1,050	3	0.3%
45.7%	1,047	1,050	3	0.3%
46.9%	1,046	1,049	3	0.3%
48.1%	1,043	1,048	5	0.5%
49.4%	1,043	1,047	4	0.4%
50.6%	1,043	1,047	4	0.4%
51.9%	1,042	1,045	3	0.3%
53.1%	1,041	1,044	2	0.2%
54.3%	1,041	1,044	3	0.2%
55.6%	1,040	1,044	4	0.4%
56.8%	1,039	1,044	4	0.4%
58.0%	1,038	1,042	4	0.4%
59.3%	1,038	1,041	3	0.3%
60.5%	1,037	1,039	2	0.2%
61.7%	1,036	1,039	3	0.3%
63.0%	1,035	1,039	4	0.4%
64.2%	1,035	1,038	3	0.3%
65.4%	1,033	1,038	5	0.5%
66.7%	1,031	1,036	5	0.5%
67.9%	1,029	1,032	3	0.3%
69.1%	1,025	1,030	5	0.5%
70.4%	1,024	1,029	5	0.5%
71.6%	1,024	1,028	4	0.4%
72.8%	1,023	1,026	2	0.2%
74.1%	1,019	1,024	5	0.5%
75.3%	1,016	1,021	5	0.5%
76.5%	1,015	1,019	5	0.5%
77.8%	1,015	1,017	3	0.3%
79.0%	1,015	1,017	3	0.2%
80.2%	1,013	1,016	3	0.3%
81.5%	1,013	1,016	4	0.4%
82.7%	1,001	1,015	13	1.3%
84.0%	1,001	1,009	8	0.8%
85.2%	997	1,009	12	1.2%
86.4%	996	1,004	7	0.7%
87.7%	996	1,003	6	0.6%
88.9%	993	999	6	0.6%
90.1%	985	997	12	1.3%
91.4%	948	967	18	1.9%
92.6%	947	964	17	1.8%
93.8%	929	952	23	2.5%
95.1%	927	950	24	2.6%
96.3%	923	947	24	2.6%
97.5%	914	946	32	3.5%
98.8%	907	945	38	4.2%
100.0%	870	893	23	2.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,053	0	0.0%
2.5%	1,053	1,053	0	0.0%
3.7%	1,053	1,052	-1	-0.1%
4.9%	1,053	1,051	-1	-0.1%
6.2%	1,053	1,051	-2	-0.2%
7.4%	1,051	1,050	-1	-0.1%
8.6%	1,051	1,050	-1	-0.1%
9.9%	1,050	1,049	-1	-0.1%
11.1%	1,049	1,049	0	0.0%
12.3%	1,049	1,049	1	0.1%
13.6%	1,048	1,047	-1	-0.1%
14.8%	1,047	1,046	-1	-0.1%
16.0%	1,046	1,046	0	0.0%
17.3%	1,046	1,045	-1	-0.1%
18.5%	1,045	1,045	0	0.0%
19.8%	1,045	1,043	-2	-0.2%
21.0%	1,045	1,043	-2	-0.2%
22.2%	1,044	1,042	-3	-0.2%
23.5%	1,042	1,040	-2	-0.2%
24.7%	1,038	1,040	2	0.2%
25.9%	1,037	1,039	2	0.2%
27.2%	1,036	1,039	3	0.3%
28.4%	1,036	1,038	2	0.2%
29.6%	1,036	1,038	2	0.2%
30.9%	1,035	1,038	3	0.3%
32.1%	1,034	1,036	2	0.2%
33.3%	1,033	1,035	2	0.2%
34.6%	1,033	1,035	2	0.2%
35.8%	1,031	1,034	3	0.3%
37.0%	1,031	1,034	3	0.3%
38.3%	1,027	1,032	6	0.5%
39.5%	1,026	1,032	6	0.5%
40.7%	1,024	1,031	7	0.7%
42.0%	1,024	1,031	7	0.7%
43.2%	1,024	1,031	7	0.7%
44.4%	1,023	1,029	6	0.6%
45.7%	1,023	1,028	5	0.5%
46.9%	1,023	1,026	3	0.3%
48.1%	1,023	1,026	3	0.3%
49.4%	1,022	1,025	3	0.3%
50.6%	1,022	1,025	3	0.3%
51.9%	1,021	1,023	1	0.1%
53.1%	1,021	1,021	-1	0.0%
54.3%	1,021	1,020	-1	-0.1%
55.6%	1,018	1,019	1	0.1%
56.8%	1,017	1,019	2	0.2%
58.0%	1,015	1,018	3	0.3%
59.3%	1,015	1,018	3	0.3%
60.5%	1,015	1,018	3	0.3%
61.7%	1,014	1,016	2	0.2%
63.0%	1,013	1,015	2	0.2%
64.2%	1,012	1,014	2	0.2%
65.4%	1,011	1,014	3	0.3%
66.7%	1,008	1,013	6	0.6%
67.9%	1,005	1,010	5	0.5%
69.1%	1,005	1,010	4	0.4%
70.4%	1,001	1,009	8	0.8%
71.6%	1,001	1,008	8	0.8%
72.8%	999	1,004	4	0.4%
74.1%	996	1,002	6	0.6%
75.3%	996	1,002	5	0.5%
76.5%	994	1,001	6	0.6%
77.8%	994	1,001	7	0.7%
79.0%	992	998	6	0.6%
80.2%	989	995	6	0.6%
81.5%	988	994	6	0.6%
82.7%	978	991	12	1.3%
84.0%	978	987	9	0.9%
85.2%	976	985	9	0.9%
86.4%	971	983	12	1.2%
87.7%	970	981	11	1.1%
88.9%	967	977	11	1.1%
90.1%	956	969	13	1.4%
91.4%	925	943	18	1.9%
92.6%	919	937	18	2.0%
93.8%	910	932	22	2.4%
95.1%	897	922	25	2.7%
96.3%	887	916	30	3.4%
97.5%	872	912	40	4.6%
98.8%	846	910	64	7.5%
100.0%	842	849	7	0.9%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,036	1,036	0	0.0%
3.7%	1,036	1,036	0	0.0%
4.9%	1,036	1,036	0	0.0%
6.2%	1,036	1,036	0	0.0%
7.4%	1,036	1,036	0	0.0%
8.6%	1,036	1,036	0	0.0%
9.9%	1,036	1,036	0	0.0%
11.1%	1,036	1,036	0	0.0%
12.3%	1,036	1,036	0	0.0%
13.6%	1,036	1,036	0	0.0%
14.8%	1,036	1,036	0	0.0%
16.0%	1,036	1,036	0	0.0%
17.3%	1,034	1,035	1	0.1%
18.5%	1,034	1,035	0	0.0%
19.8%	1,033	1,033	0	0.0%
21.0%	1,032	1,031	-1	-0.1%
22.2%	1,031	1,029	-2	-0.2%
23.5%	1,029	1,029	-1	0.0%
24.7%	1,024	1,028	4	0.4%
25.9%	1,024	1,027	3	0.3%
27.2%	1,023	1,027	4	0.4%
28.4%	1,022	1,026	4	0.4%
29.6%	1,021	1,026	5	0.5%
30.9%	1,021	1,023	3	0.3%
32.1%	1,020	1,023	2	0.2%
33.3%	1,019	1,023	4	0.4%
34.6%	1,018	1,022	4	0.4%
35.8%	1,017	1,021	4	0.4%
37.0%	1,015	1,020	5	0.5%
38.3%	1,015	1,020	5	0.5%
39.5%	1,015	1,019	4	0.4%
40.7%	1,011	1,019	8	0.8%
42.0%	1,011	1,017	6	0.6%
43.2%	1,010	1,016	6	0.6%
44.4%	1,009	1,016	6	0.6%
45.7%	1,009	1,013	4	0.4%
46.9%	1,009	1,011	3	0.3%
48.1%	1,008	1,011	3	0.3%
49.4%	1,007	1,010	3	0.3%
50.6%	1,007	1,010	3	0.3%
51.9%	1,004	1,009	5	0.5%
53.1%	1,004	1,008	4	0.4%
54.3%	1,003	1,007	4	0.4%
55.6%	1,003	1,005	2	0.2%
56.8%	1,002	1,005	4	0.4%
58.0%	1,002	1,004	3	0.3%
59.3%	1,000	1,004	4	0.4%
60.5%	1,000	1,004	4	0.4%
61.7%	1,000	1,003	3	0.3%
63.0%	997	1,000	3	0.3%
64.2%	995	1,000	5	0.5%
65.4%	993	999	6	0.6%
66.7%	993	999	6	0.6%
67.9%	992	998	6	0.6%
69.1%	991	996	5	0.5%
70.4%	990	995	5	0.5%
71.6%	990	994	4	0.4%
72.8%	989	993	4	0.4%
74.1%	988	991	3	0.3%
75.3%	983	987	4	0.4%
76.5%	981	987	6	0.7%
77.8%	980	985	5	0.5%
79.0%	972	983	12	1.2%
80.2%	965	979	14	1.4%
81.5%	964	974	10	1.0%
82.7%	961	968	7	0.7%
84.0%	958	966	7	0.8%
85.2%	957	965	8	0.8%
86.4%	952	963	11	1.2%
87.7%	945	954	9	0.9%
88.9%	941	947	6	0.6%
90.1%	940	945	5	0.6%
91.4%	904	922	19	2.0%
92.6%	897	916	18	2.1%
93.8%	889	910	21	2.3%
95.1%	857	904	47	5.5%
96.3%	845	870	25	3.0%
97.5%	836	868	32	3.8%
98.8%	834	866	31	3.8%
100.0%	834	838	4	0.5%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,023	1,023	0	0.0%
4.9%	1,023	1,023	0	0.0%
6.2%	1,023	1,023	0	0.0%
7.4%	1,023	1,023	1	0.1%
8.6%	1,023	1,023	1	0.1%
9.9%	1,022	1,023	1	0.1%
11.1%	1,022	1,023	1	0.1%
12.3%	1,022	1,023	1	0.1%
13.6%	1,021	1,022	1	0.1%
14.8%	1,021	1,022	1	0.1%
16.0%	1,021	1,020	-1	-0.1%
17.3%	1,021	1,019	-1	-0.1%
18.5%	1,017	1,019	3	0.3%
19.8%	1,016	1,019	3	0.3%
21.0%	1,016	1,019	3	0.3%
22.2%	1,015	1,018	3	0.3%
23.5%	1,015	1,018	3	0.3%
24.7%	1,014	1,017	3	0.3%
25.9%	1,013	1,016	2	0.2%
27.2%	1,013	1,016	3	0.3%
28.4%	1,012	1,015	3	0.3%
29.6%	1,012	1,015	3	0.3%
30.9%	1,011	1,015	4	0.4%
32.1%	1,010	1,015	5	0.5%
33.3%	1,009	1,015	5	0.5%
34.6%	1,009	1,015	6	0.6%
35.8%	1,007	1,014	7	0.7%
37.0%	1,007	1,013	6	0.6%
38.3%	1,005	1,011	6	0.6%
39.5%	1,005	1,011	5	0.5%
40.7%	1,005	1,010	5	0.5%
42.0%	1,004	1,009	4	0.4%
43.2%	1,004	1,009	5	0.5%
44.4%	1,003	1,009	5	0.5%
45.7%	1,003	1,007	4	0.4%
46.9%	1,003	1,007	4	0.4%
48.1%	1,002	1,006	4	0.4%
49.4%	1,001	1,005	4	0.4%
50.6%	999	1,005	6	0.6%
51.9%	999	1,004	5	0.5%
53.1%	999	1,003	4	0.4%
54.3%	998	1,003	4	0.4%
55.6%	998	1,002	4	0.4%
56.8%	997	1,001	4	0.4%
58.0%	997	1,001	4	0.4%
59.3%	993	999	6	0.6%
60.5%	991	999	7	0.7%
61.7%	991	998	6	0.6%
63.0%	991	997	6	0.7%
64.2%	990	995	5	0.5%
65.4%	989	994	4	0.4%
66.7%	987	992	5	0.5%
67.9%	987	992	5	0.5%
69.1%	986	991	4	0.5%
70.4%	986	990	4	0.4%
71.6%	984	989	5	0.5%
72.8%	978	988	9	1.0%
74.1%	975	985	10	1.1%
75.3%	975	985	10	1.0%
76.5%	974	981	7	0.7%
77.8%	969	978	9	0.9%
79.0%	969	978	9	0.9%
80.2%	969	977	9	0.9%
81.5%	961	969	7	0.8%
82.7%	961	965	4	0.4%
84.0%	959	964	5	0.5%
85.2%	952	959	7	0.7%
86.4%	950	955	5	0.5%
87.7%	933	945	12	1.3%
88.9%	933	944	11	1.2%
90.1%	932	942	10	1.1%
91.4%	895	920	25	2.8%
92.6%	879	908	29	3.3%
93.8%	879	903	24	2.7%
95.1%	845	886	41	4.9%
96.3%	837	871	33	3.9%
97.5%	834	862	27	3.3%
98.8%	834	856	22	2.6%
100.0%	834	834	0	0.0%

Table SW-09-7a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative C	20,596	20,456	21,160	22,600	23,943	25,801	27,252	27,447	26,117	23,732	21,962	21,031
Difference	624	536	309	227	74	155	258	343	503	564	574	646
Percent Difference[3]	3.1%	2.7%	1.5%	1.0%	0.3%	0.6%	1.0%	1.3%	2.0%	2.4%	2.7%	3.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative C	23,050	22,422	22,999	24,823	25,864	26,952	28,986	29,649	28,813	27,058	25,534	23,603
Difference	191	142	-112	8	-72	-14	-2	-10	-36	87	171	296
Percent Difference	0.8%	0.6%	-0.5%	0.0%	-0.3%	-0.1%	0.0%	0.0%	-0.1%	0.3%	0.7%	1.3%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative C	22,879	22,303	22,858	23,384	24,666	27,444	29,366	29,653	28,305	25,679	24,044	23,407
Difference	547	327	-39	185	-68	44	17	-25	169	204	386	626
Percent Difference	2.5%	1.5%	-0.2%	0.8%	-0.3%	0.2%	0.1%	-0.1%	0.6%	0.8%	1.6%	2.7%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative C	21,938	22,219	22,466	22,217	24,025	26,048	27,831	28,018	26,744	24,080	22,467	22,123
Difference	193	62	-145	32	-90	-1	-15	25	246	159	332	296
Percent Difference	0.9%	0.3%	-0.6%	0.1%	-0.4%	0.0%	-0.1%	0.1%	0.9%	0.7%	1.5%	1.4%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative C	19,935	20,269	21,393	21,721	23,466	26,024	26,974	26,780	25,172	22,559	20,620	20,200
Difference	1,124	973	718	194	-17	132	364	561	852	926	888	879
Percent Difference	6.0%	5.0%	3.5%	0.9%	-0.1%	0.5%	1.4%	2.1%	3.5%	4.3%	4.5%	4.5%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative C	12,421	12,574	13,604	18,766	19,680	21,042	21,124	20,806	18,773	15,932	13,566	13,057
Difference	1,391	1,494	1,488	1,018	860	845	1,220	1,517	1,778	1,884	1,450	1,485
Percent Difference	12.6%	13.5%	12.3%	5.7%	4.6%	4.2%	6.1%	7.9%	10.5%	13.4%	12.0%	12.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-09-7b
Shasta Lake, End of Month Area
Probability of Exceedance

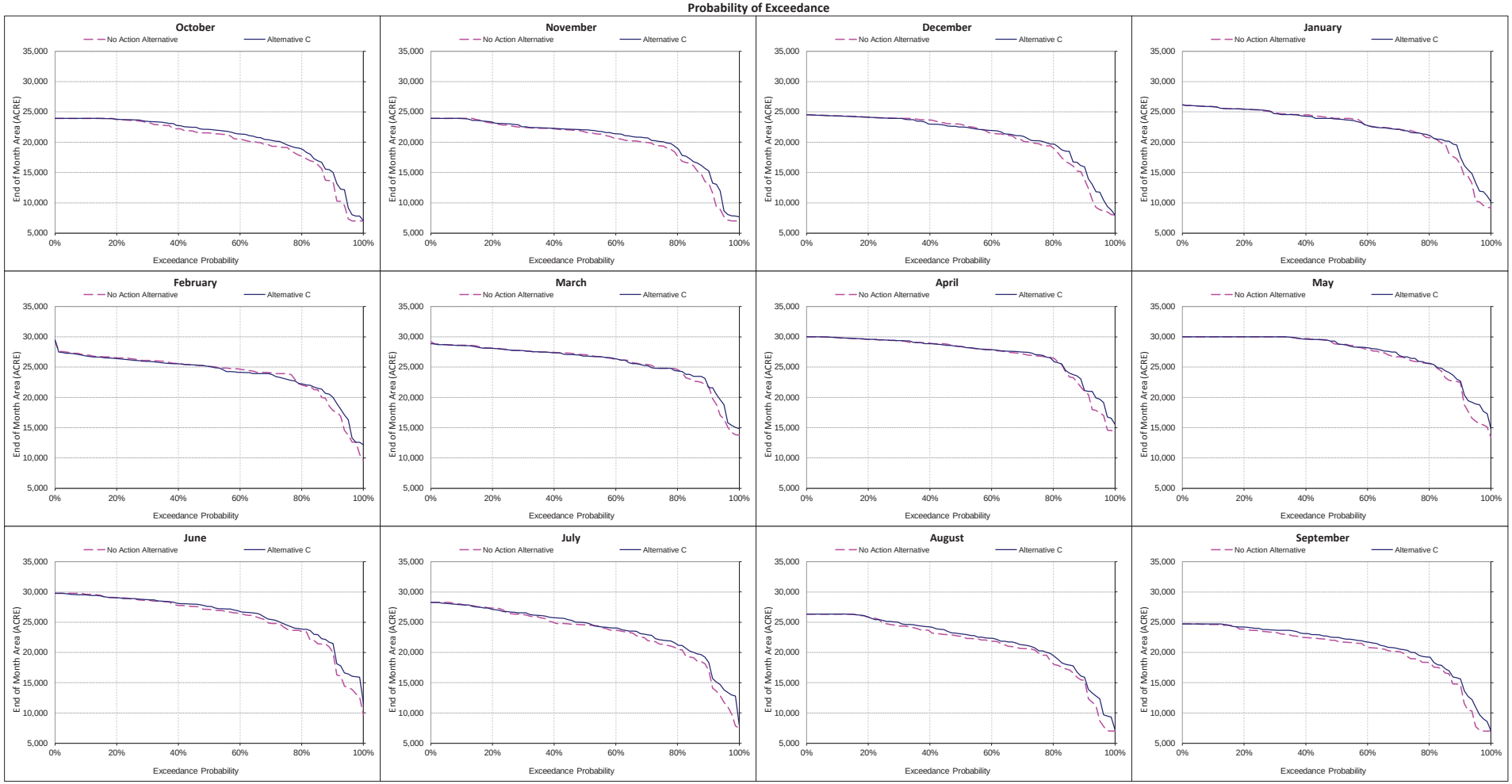

Table SW-09-7b

Shasta Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,927	0	0.0%
8.6%	23,927	23,927	0	0.0%
9.9%	23,927	23,927	0	0.0%
11.1%	23,927	23,927	0	0.0%
12.3%	23,927	23,927	0	0.0%
13.6%	23,927	23,927	0	0.0%
14.8%	23,927	23,927	0	0.0%
16.0%	23,927	23,927	0	0.0%
17.3%	23,927	23,906	-20	-0.1%
18.5%	23,927	23,897	-30	-0.1%
19.8%	23,751	23,786	34	0.1%
21.0%	23,712	23,746	33	0.1%
22.2%	23,705	23,736	31	0.1%
23.5%	23,649	23,726	77	0.3%
24.7%	23,583	23,710	127	0.5%
25.9%	23,572	23,659	87	0.4%
27.2%	23,514	23,659	145	0.6%
28.4%	23,447	23,569	122	0.5%
29.6%	23,240	23,458	219	0.9%
30.9%	23,179	23,406	228	1.0%
32.1%	22,915	23,396	481	2.1%
33.3%	22,887	23,343	456	2.0%
34.6%	22,846	23,310	464	2.0%
35.8%	22,765	23,229	464	2.0%
37.0%	22,747	23,107	360	1.6%
38.3%	22,304	23,077	773	3.5%
39.5%	22,223	22,742	519	2.3%
40.7%	22,222	22,706	485	2.2%
42.0%	21,904	22,561	657	3.0%
43.2%	21,876	22,491	614	2.8%
44.4%	21,858	22,486	628	2.9%
45.7%	21,653	22,460	807	3.7%
46.9%	21,586	22,197	611	2.8%
48.1%	21,545	22,133	588	2.7%
49.4%	21,542	22,116	575	2.7%
50.6%	21,500	22,071	570	2.7%
51.9%	21,392	22,010	618	2.9%
53.1%	21,359	21,965	606	2.8%
54.3%	21,300	21,867	567	2.7%
55.6%	21,300	21,785	485	2.3%
56.8%	21,038	21,718	680	3.2%
58.0%	20,572	21,485	913	4.4%
59.3%	20,507	21,366	860	4.2%
60.5%	20,445	21,333	888	4.3%
61.7%	20,290	21,295	1,006	5.0%
63.0%	20,132	21,077	945	4.7%
64.2%	20,118	21,005	888	4.4%
65.4%	19,999	20,806	807	4.0%
66.7%	19,926	20,744	818	4.1%
67.9%	19,624	20,443	819	4.2%
69.1%	19,584	20,396	813	4.1%
70.4%	19,332	20,292	960	5.0%
71.6%	19,306	20,147	841	4.4%
72.8%	19,175	20,106	931	4.9%
74.1%	19,175	19,812	637	3.3%
75.3%	19,134	19,526	392	2.0%
76.5%	18,569	19,316	747	4.0%
77.8%	18,176	19,106	931	5.1%
79.0%	17,868	19,022	1,154	6.5%
80.2%	17,645	18,802	1,157	6.6%
81.5%	17,279	18,340	1,061	6.1%
82.7%	16,917	18,039	1,121	6.6%
84.0%	16,784	17,287	503	3.0%
85.2%	16,267	16,950	683	4.2%
86.4%	15,617	16,681	1,064	6.8%
87.7%	13,729	15,551	1,822	13.3%
88.9%	13,662	15,471	1,809	13.2%
90.1%	13,495	15,011	1,516	11.2%
91.4%	10,270	13,173	2,903	28.3%
92.6%	10,218	12,250	2,032	19.9%
93.8%	9,580	12,177	2,598	27.1%
95.1%	7,356	9,162	1,806	24.5%
96.3%	7,002	8,014	1,012	14.5%
97.5%	7,002	7,828	826	11.8%
98.8%	7,002	7,828	826	11.8%
100.0%	7,002	7,002	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,924	-13	-0.1%
11.1%	23,937	23,880	-57	-0.2%
12.3%	23,937	23,802	-135	-0.6%
13.6%	23,937	23,600	-337	-1.4%
14.8%	23,732	23,577	-155	-0.7%
16.0%	23,626	23,569	-57	-0.2%
17.3%	23,409	23,460	51	0.2%
18.5%	23,244	23,431	187	0.8%
19.8%	23,177	23,336	159	0.7%
21.0%	23,130	23,146	16	0.1%
22.2%	22,919	23,102	183	0.8%
23.5%	22,851	23,101	250	1.1%
24.7%	22,836	23,040	204	0.9%
25.9%	22,695	23,018	322	1.4%
27.2%	22,599	22,947	349	1.5%
28.4%	22,525	22,888	362	1.6%
29.6%	22,520	22,562	42	0.2%
30.9%	22,411	22,538	126	0.6%
32.1%	22,391	22,437	46	0.2%
33.3%	22,346	22,419	73	0.3%
34.6%	22,344	22,384	40	0.2%
35.8%	22,306	22,382	76	0.3%
37.0%	22,297	22,332	35	0.2%
38.3%	22,283	22,328	45	0.2%
39.5%	22,234	22,305	70	0.3%
40.7%	22,153	22,298	144	0.7%
42.0%	22,094	22,267	173	0.8%
43.2%	22,084	22,161	77	0.3%
44.4%	22,024	22,144	120	0.5%
45.7%	21,990	22,113	124	0.6%
46.9%	21,942	22,092	150	0.7%
48.1%	21,921	22,069	148	0.7%
49.4%	21,783	22,067	283	1.3%
50.6%	21,584	22,062	478	2.2%
51.9%	21,567	21,942	375	1.7%
53.1%	21,418	21,927	509	2.4%
54.3%	21,331	21,808	477	2.2%
55.6%	21,314	21,766	452	2.1%
56.8%	21,068	21,606	538	2.6%
58.0%	20,969	21,593	624	3.0%
59.3%	20,720	21,434	714	3.4%
60.5%	20,615	21,390	775	3.8%
61.7%	20,500	21,328	828	4.0%
63.0%	20,347	21,091	745	3.7%
64.2%	20,260	21,050	791	3.9%
65.4%	20,215	20,930	715	3.5%
66.7%	20,214	20,848	634	3.1%
67.9%	20,070	20,836	766	3.8%
69.1%	19,985	20,740	755	3.8%
70.4%	19,935	20,705	770	3.9%
71.6%	19,838	20,268	431	2.2%
72.8%	19,415	20,244	829	4.3%
74.1%	19,404	20,123	718	3.7%
75.3%	19,385	20,071	686	3.5%
76.5%	19,041	19,853	813	4.3%
77.8%	18,832	19,782	950	5.0%
79.0%	18,416	19,383	968	5.3%
80.2%	17,489	18,881	1,392	8.0%
81.5%	16,868	17,814	946	5.6%
82.7%	16,634	17,701	1,068	6.4%
84.0%	16,529	17,257	728	4.4%
85.2%	16,098	16,780	682	4.2%
86.4%	15,225	16,545	1,321	8.7%
87.7%	14,745	16,193	1,447	9.8%
88.9%	13,502	15,680	2,178	16.1%
90.1%	13,207	15,264	2,057	15.6%
91.4%	11,571	13,245	1,675	14.5%
92.6%	9,329	13,050	3,720	39.9%
93.8%	8,874	11,934	3,060	34.5%
95.1%	7,685	8,640	955	12.4%
96.3%	7,146	8,059	913	12.8%
97.5%	7,018	7,859	841	12.0%
98.8%	7,002	7,828	826	11.8%
100.0%	7,002	7,685	684	9.8%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,552	24,514	-37	-0.2%
1.2%	24,514	24,514	0	0.0%
2.5%	24,461	24,455	-5	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,455	24,439	-16	-0.1%
6.2%	24,439	24,397	-43	-0.2%
7.4%	24,397	24,381	-16	-0.1%
8.6%	24,381	24,343	-37	-0.2%
9.9%	24,356	24,311	-44	-0.2%
11.1%	24,343	24,295	-48	-0.2%
12.3%	24,311	24,284	-27	-0.1%
13.6%	24,295	24,279	-16	-0.1%
14.8%	24,284	24,247	-37	-0.2%
16.0%	24,279	24,226	-53	-0.2%
17.3%	24,247	24,163	-84	-0.3%
18.5%	24,180	24,156	-23	-0.1%
19.8%	24,156	24,147	-9	0.0%
21.0%	24,114	24,114	0	0.0%
22.2%	24,065	24,065	0	0.0%
23.5%	24,054	24,017	-36	-0.2%
24.7%	24,018	24,007	-11	0.0%
25.9%	24,017	23,963	-54	-0.2%
27.2%	24,007	23,945	-62	-0.3%
28.4%	23,992	23,938	-54	-0.2%
29.6%	23,938	23,937	-1	0.0%
30.9%	23,937	23,937	0	0.0%
32.1%	23,937	23,748	-189	-0.8%
33.3%	23,921	23,727	-194	-0.8%
34.6%	23,887	23,724	-163	-0.7%
35.8%	23,825	23,479	-345	-1.4%
37.0%	23,734	23,451	-283	-1.2%
38.3%	23,694	23,327	-367	-1.5%
39.5%	23,682	23,031	-651	-2.7%
40.7%	23,627	22,989	-638	-2.7%
42.0%	23,486	22,968	-519	-2.2%
43.2%	23,249	22,945	-303	-1.3%
44.4%	23,198	22,822	-376	-1.6%
45.7%	23,055	22,658	-397	-1.7%
46.9%	23,038	22,636	-402	-1.7%
48.1%	23,017	22,630	-386	-1.7%
49.4%	23,006	22,516	-490	-2.1%
50.6%	22,890	22,495	-395	-1.7%
51.9%	22,618	22,469	-149	-0.7%
53.1%	22,542	22,359	-183	-0.8%
54.3%	22,480	22,262	-217	-1.0%
55.6%	22,268	22,121	-147	-0.7%
56.8%	22,170	22,064	-106	-0.5%
58.0%	21,863	22,023	160	0.7%
59.3%	21,545	21,949	403	1.9%
60.5%	21,478	21,924	446	2.1%
61.7%	21,387	21,872	484	2.3%
63.0%	21,365	21,704	339	1.6%
64.2%	21,199	21,372	173	0.8%
65.4%	21,140	21,349	209	1.0%
66.7%	21,051	21,264	213	1.0%
67.9%	20,588	21,104	516	2.5%
69.1%	20,552	21,104	551	2.7%
70.4%	20,107	20,953	846	4.2%
71.6%	20,071	20,623	552	2.8%
72.8%	19,890	20,275	384	1.9%
74.1%	19,828	20,238	410	2.1%
75.3%	19,732	20,234	501	2.5%
76.5%	19,407	20,125	717	3.7%
77.8%	19,403	19,903	500	2.6%
79.0%	19,394	19,718	324	1.7%
80.2%	18,910	19,698	789	4.2%
81.5%	18,234	19,288	1,053	5.8%
82.7%	17,431	18,726	1,295	7.4%
84.0%	16,806	18,548	1,742	10.4%
85.2%	16,478	18,497	2,020	12.3%
86.4%	16,058	16,740	682	4.2%
87.7%	15,251	16,669	1,418	9.3%
88.9%	15,129	16,121	992	6.6%
90.1%	13,789	15,948	2,159	15.7%
91.4%	12,387	13,946	1,559	12.6%
92.6%	10,483	13,029	2,546	24.3%
93.8%	9,243	11,846	2,603	28.2%
95.1%	8,852	11,747	2,894	32.7%
96.3%	8,637	10,445	1,808	20.9%
97.5%	8,457	9,379	923	10.9%
98.8%	8,071	8,828	758	9.4%
100.0%	7,967	7,967	0	0.0%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,215	26,160	-56	-0.2%
1.2%	26,063	26,063	0	0.0%
2.5%	26,053	26,053	0	0.0%
3.7%	26,011	26,011	0	0.0%
4.9%	25,972	25,999	27	0.1%
6.2%	25,926	25,925	-2	0.0%
7.4%	25,925	25,914	-11	0.0%
8.6%	25,914	25,882	-32	-0.1%
9.9%	25,882	25,874	-8	0.0%
11.1%	25,818	25,818	0	0.0%
12.3%	25,640	25,598	-42	-0.2%
13.6%	25,551	25,562	10	0.0%
14.8%	25,540	25,540	0	0.0%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,535	0	0.0%
18.5%	25,527	25,481	-46	-0.2%
19.8%	25,481	25,435	-46	-0.2%
21.0%	25,428	25,428	0	0.0%
22.2%	25,412	25,412	0	0.0%
23.5%	25,343	25,343	0	0.0%
24.7%	25,342	25,342	0	0.0%
25.9%	25,206	25,328	122	0.5%
27.2%	25,128	25,243	116	0.5%
28.4%	25,056	25,164	108	0.4%
29.6%	24,969	24,728	-241	-1.0%
30.9%	24,750	24,669	-80	-0.3%
32.1%	24,679	24,573	-106	-0.4%
33.3%	24,669	24,573	-96	-0.4%
34.6%	24,634	24,557	-77	-0.3%
35.8%	24,573	24,546	-27	-0.1%
37.0%	24,557	24,504	-53	-0.2%
38.3%	24,546	24,399	-147	-0.6%
39.5%	24,505	24,299	-206	-0.8%
40.7%	24,504	24,284	-219	-0.9%
42.0%	24,399	24,207	-193	-0.8%
43.2%	24,334	23,938	-396	-1.6%
44.4%	24,284	23,938	-347	-1.4%
45.7%	24,174	23,937	-237	-1.0%
46.9%	24,121	23,937	-183	-0.8%
48.1%	24,061	23,937	-123	-0.5%
49.4%	23,938	23,851	-86	-0.4%
50.6%	23,938	23,790	-148	-0.6%
51.9%	23,937	23,781	-156	-0.7%
53.1%	23,937	23,690	-247	-1.0%
54.3%	23,937	23,644	-293	-1.2%
55.6%	23,807	23,537	-270	-1.1%
56.8%	23,787	23,395	-392	-1.6%
58.0%	23,384	23,222	-162	-0.7%
59.3%	22,694	22,881	187	0.8%
60.5%	22,684	22,658	-26	-0.1%
61.7%	22,583	22,494	-89	-0.4%
63.0%	22,484	22,462	-23	-0.1%
64.2%	22,461	22,403	-58	-0.3%
65.4%	22,411	22,389	-23	-0.1%
66.7%	22,378	22,297	-81	-0.4%
67.9%	22,258	22,200	-58	-0.3%
69.1%	22,184	22,151	-32	-0.1%
70.4%	22,124	22,137	13	0.1%
71.6%	22,024	21,923	-101	-0.5%
72.8%	22,001	21,860	-141	-0.6%
74.1%	21,934	21,592	-343	-1.6%
75.3%	21,714	21,546	-168	-0.8%
76.5%	21,466	21,526	60	0.3%
77.8%	21,252	21,363	111	0.5%
79.0%	20,785	21,305	520	2.5%
80.2%	20,753	21,063	310	1.5%
81.5%	20,693	20,636	-56	-0.3%
82.7%	20,327	20,501	174	0.9%
84.0%	19,862	20,457	595	3.0%
85.2%	19,767	20,212	445	2.2%
86.4%	18,091	20,177	2,086	11.5%
87.7%	17,646	19,715	2,069	11.7%
88.9%	17,282	19,555	2,272	13.1%
90.1%	16,310	17,473	1,163	7.1%
91.4%	14,444	16,136	1,692	11.7%
92.6%	14,361	15,451	1,089	7.6%
93.8%	13,245	14,790	1,546	11.7%
95.1%	10,267	13,245	2,977	29.0%
96.3%	10,157	11,916	1,760	17.3%
97.5%	9,584	11,816	2,231	23.3%
98.8%	9,316	11,128	1,813	19.5%
100.0%	9,137	10,157	1,020	11.2%

Table SW-09-7b
Shasta Lake, End of Month Area
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	29,471	-18	-0.1%
1.2%	27,607	27,483	-123	-0.4%
2.5%	27,571	27,391	-179	-0.7%
3.7%	27,482	27,288	-193	-0.7%
4.9%	27,391	27,262	-129	-0.5%
6.2%	27,288	27,201	-87	-0.3%
7.4%	27,262	27,112	-150	-0.6%
8.6%	27,103	26,979	-123	-0.5%
9.9%	26,979	26,860	-119	-0.4%
11.1%	26,979	26,748	-231	-0.9%
12.3%	26,796	26,677	-119	-0.4%
13.6%	26,748	26,675	-73	-0.3%
14.8%	26,717	26,651	-66	-0.2%
16.0%	26,675	26,527	-148	-0.6%
17.3%	26,674	26,512	-162	-0.6%
18.5%	26,651	26,472	-179	-0.7%
19.8%	26,527	26,382	-144	-0.5%
21.0%	26,512	26,372	-140	-0.5%
22.2%	26,505	26,298	-206	-0.8%
23.5%	26,489	26,252	-237	-0.9%
24.7%	26,400	26,197	-203	-0.8%
25.9%	26,298	26,122	-176	-0.7%
27.2%	26,197	26,085	-112	-0.4%
28.4%	26,122	25,989	-134	-0.5%
29.6%	26,085	25,936	-148	-0.6%
30.9%	26,085	25,935	-150	-0.6%
32.1%	26,047	25,916	-131	-0.5%
33.3%	26,022	25,772	-250	-1.0%
34.6%	25,989	25,715	-273	-1.1%
35.8%	25,988	25,634	-354	-1.4%
37.0%	25,778	25,620	-158	-0.6%
38.3%	25,634	25,583	-51	-0.2%
39.5%	25,620	25,565	-55	-0.2%
40.7%	25,583	25,539	-43	-0.2%
42.0%	25,453	25,455	2	0.0%
43.2%	25,422	25,422	0	0.0%
44.4%	25,348	25,348	0	0.0%
45.7%	25,343	25,348	5	0.0%
46.9%	25,279	25,279	0	0.0%
48.1%	25,270	25,210	-60	-0.2%
49.4%	25,155	25,155	0	0.0%
50.6%	25,100	25,059	-41	-0.2%
51.9%	25,059	24,893	-166	-0.7%
53.1%	24,893	24,851	-43	-0.2%
54.3%	24,851	24,583	-268	-1.1%
55.6%	24,836	24,273	-563	-2.3%
56.8%	24,783	24,267	-516	-2.1%
58.0%	24,740	24,229	-511	-2.1%
59.3%	24,711	24,151	-560	-2.3%
60.5%	24,582	24,130	-452	-1.8%
61.7%	24,566	24,095	-471	-1.9%
63.0%	24,415	24,093	-322	-1.3%
64.2%	24,339	23,938	-402	-1.6%
65.4%	24,151	23,937	-214	-0.9%
66.7%	24,131	23,937	-194	-0.8%
67.9%	24,130	23,937	-192	-0.8%
69.1%	24,095	23,928	-166	-0.7%
70.4%	24,047	23,765	-282	-1.2%
71.6%	23,938	23,450	-488	-2.0%
72.8%	23,937	23,312	-625	-2.6%
74.1%	23,937	23,132	-805	-3.4%
75.3%	23,937	22,986	-951	-4.0%
76.5%	23,752	22,781	-971	-4.1%
77.8%	22,982	22,699	-283	-1.2%
79.0%	22,256	22,295	39	0.2%
80.2%	22,005	22,225	221	1.0%
81.5%	21,840	22,064	225	1.0%
82.7%	21,815	22,013	198	0.9%
84.0%	21,272	21,693	421	2.0%
85.2%	21,232	21,519	287	1.4%
86.4%	19,969	21,387	1,418	7.1%
87.7%	19,866	20,646	780	3.9%
88.9%	18,551	20,541	1,990	10.7%
90.1%	17,794	20,012	2,218	12.5%
91.4%	17,560	19,008	1,448	8.2%
92.6%	16,910	18,073	1,162	6.9%
93.8%	14,547	17,092	2,546	17.5%
95.1%	13,783	16,308	2,525	18.3%
96.3%	12,620	13,279	659	5.2%
97.5%	12,598	12,598	0	0.0%
98.8%	10,583	12,576	1,994	18.8%
100.0%	9,614	12,163	2,549	26.5%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,239	28,869	-370	-1.3%
1.2%	28,833	28,833	0	0.0%
2.5%	28,803	28,715	-88	-0.3%
3.7%	28,730	28,700	-30	-0.1%
4.9%	28,715	28,687	-28	-0.1%
6.2%	28,700	28,614	-86	-0.3%
7.4%	28,687	28,603	-84	-0.3%
8.6%	28,614	28,601	-13	0.0%
9.9%	28,603	28,580	-23	-0.1%
11.1%	28,601	28,556	-45	-0.2%
12.3%	28,584	28,522	-61	-0.2%
13.6%	28,580	28,458	-122	-0.4%
14.8%	28,484	28,326	-158	-0.6%
16.0%	28,326	28,185	-142	-0.5%
17.3%	28,185	28,139	-46	-0.2%
18.5%	28,163	28,138	-25	-0.1%
19.8%	28,138	28,086	-51	-0.2%
21.0%	28,086	28,082	-4	0.0%
22.2%	28,082	28,044	-38	-0.1%
23.5%	28,001	27,936	-65	-0.2%
24.7%	27,936	27,882	-54	-0.2%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,723	27,723	0	0.0%
30.9%	27,674	27,674	0	0.0%
32.1%	27,631	27,631	0	0.0%
33.3%	27,546	27,546	0	0.0%
34.6%	27,527	27,527	0	0.0%
35.8%	27,501	27,501	0	0.0%
37.0%	27,481	27,481	0	0.0%
38.3%	27,444	27,430	-15	-0.1%
39.5%	27,430	27,374	-56	-0.2%
40.7%	27,387	27,374	-13	0.0%
42.0%	27,374	27,325	-49	-0.2%
43.2%	27,374	27,097	-277	-1.0%
44.4%	27,317	27,086	-230	-0.8%
45.7%	27,279	27,065	-214	-0.8%
46.9%	27,166	27,020	-145	-0.5%
48.1%	27,093	26,974	-119	-0.4%
49.4%	27,086	26,815	-272	-1.0%
50.6%	27,025	26,813	-212	-0.8%
51.9%	26,953	26,797	-156	-0.6%
53.1%	26,761	26,752	-10	0.0%
54.3%	26,752	26,744	-8	0.0%
55.6%	26,679	26,710	31	0.1%
56.8%	26,584	26,584	0	0.0%
58.0%	26,483	26,551	68	0.3%
59.3%	26,345	26,458	113	0.4%
60.5%	26,267	26,302	34	0.1%
61.7%	26,160	26,155	-5	0.0%
63.0%	26,153	26,152	-1	0.0%
64.2%	26,103	25,734	-369	-1.4%
65.4%	25,738	25,579	-158	-0.6%
66.7%	25,626	25,554	-73	-0.3%
67.9%	25,492	25,444	-48	-0.2%
69.1%	25,475	25,283	-193	-0.8%
70.4%	25,444	25,244	-200	-0.8%
71.6%	25,283	24,915	-368	-1.5%
72.8%	24,915	24,830	-85	-0.3%
74.1%	24,816	24,816	0	0.0%
75.3%	24,813	24,813	0	0.0%
76.5%	24,813	24,813	0	0.0%
77.8%	24,813	24,813	0	0.0%
79.0%	24,777	24,423	-355	-1.4%
80.2%	24,509	24,345	-164	-0.7%
81.5%	24,054	24,255	201	0.8%
82.7%	23,193	23,819	625	2.7%
84.0%	23,052	23,809	757	3.3%
85.2%	22,689	23,482	793	3.5%
86.4%	22,625	23,480	855	3.8%
87.7%	22,509	23,466	957	4.3%
88.9%	22,119	23,151	1,032	4.7%
90.1%	21,730	21,578	-153	-0.7%
91.4%	19,789	21,568	1,778	9.0%
92.6%	18,797	20,512	1,715	9.1%
93.8%	17,021	19,633	2,611	15.3%
95.1%	16,417	18,775	2,358	14.4%
96.3%	15,034	15,806	771	5.1%
97.5%	14,218	15,391	1,174	8.3%
98.8%	13,836	15,034	1,198	8.7%
100.0%	13,771	14,849	1,078	7.8%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	29,974	29,974	0	0.0%
8.6%	29,953	29,869	-85	-0.3%
9.9%	29,872	29,852	-19	-0.1%
11.1%	29,788	29,837	49	0.2%
12.3%	29,776	29,779	2	0.0%
13.6%	29,771	29,776	5	0.0%
14.8%	29,725	29,769	43	0.1%
16.0%	29,686	29,724	37	0.1%
17.3%	29,649	29,686	38	0.1%
18.5%	29,607	29,650	43	0.1%
19.8%	29,588	29,588	1	0.0%
21.0%	29,568	29,588	20	0.1%
22.2%	29,528	29,568	40	0.1%
23.5%	29,512	29,493	-19	-0.1%
24.7%	29,493	29,488	-5	0.0%
25.9%	29,484	29,465	-19	-0.1%
27.2%	29,426	29,431	6	0.0%
28.4%	29,424	29,423	-1	0.0%
29.6%	29,338	29,389	51	0.2%
30.9%	29,328	29,369	40	0.1%
32.1%	29,261	29,352	91	0.3%
33.3%	29,096	29,337	241	0.8%
34.6%	29,065	29,096	32	0.1%
35.8%	29,058	29,042	-16	-0.1%
37.0%	29,055	29,033	-22	-0.1%
38.3%	29,042	28,876	-166	-0.6%
39.5%	28,988	28,871	-117	-0.4%
40.7%	28,885	28,869	-15	-0.1%
42.0%	28,876	28,810	-66	-0.2%
43.2%	28,871	28,767	-104	-0.4%
44.4%	28,871	28,649	-223	-0.8%
45.7%	28,795	28,595	-200	-0.7%
46.9%	28,617	28,561	-56	-0.2%
48.1%	28,561	28,443	-118	-0.4%
49.4%	28,389	28,413	24	0.1%
50.6%	28,374	28,374	0	0.0%
51.9%	28,219	28,219	0	0.0%
53.1%	28,194	28,194	0	0.0%
54.3%	28,080	28,139	59	0.2%
55.6%	28,035	28,035	0	0.0%
56.8%	27,997	27,949	-48	-0.2%
58.0%	27,949	27,889	-60	-0.2%
59.3%	27,904	27,880	-24	-0.1%
60.5%	27,880	27,857	-23	-0.1%
61.7%	27,693	27,768	75	0.3%
63.0%	27,634	27,684	49	0.2%
64.2%	27,589	27,674	85	0.3%
65.4%	27,426	27,605	179	0.7%
66.7%	27,389	27,601	212	0.8%
67.9%	27,324	27,581	257	0.9%
69.1%	27,284	27,524	240	0.9%
70.4%	27,151	27,486	335	1.2%
71.6%	26,990	27,415	426	1.6%
72.8%	26,957	27,368	411	1.5%
74.1%	26,855	27,067	212	0.8%
75.3%	26,827	27,023	196	0.7%
76.5%	26,754	26,941	187	0.7%
77.8%	26,610	26,673	63	0.2%
79.0%	26,595	26,526	-68	-0.3%
80.2%	26,446	25,889	-557	-2.1%
81.5%	25,860	25,730	-130	-0.5%
82.7%	25,396	25,518	122	0.5%
84.0%	24,227	24,494	267	1.1%
85.2%	23,379	24,002	623	2.7%
86.4%	23,268	23,765	497	2.1%
87.7%	22,544	23,551	1,007	4.5%
88.9%	21,709	23,055	1,345	6.2%
90.1%	20,985	21,115	130	0.6%
91.4%	20,446	20,997	551	2.7%
92.6%	17,962	20,985	3,024	16.8%
93.8%	17,874	19,911	2,037	11.4%
95.1%	17,420	19,711	2,292	13.2%
96.3%	17,007	19,161	2,153	12.7%
97.5%	14,594	16,765	2,172	14.9%
98.8%	14,564	16,555	1,990	13.7%
100.0%	14,219	15,572	1,353	9.5%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	30,000	0	0.0%
19.8%	30,000	30,000	0	0.0%
21.0%	30,000	30,000	0	0.0%
22.2%	30,000	30,000	0	0.0%
23.5%	30,000	30,000	0	0.0%
24.7%	30,000	30,000	0	0.0%
25.9%	30,000	30,000	0	0.0%
27.2%	30,000	30,000	0	0.0%
28.4%	30,000	30,000	0	0.0%
29.6%	30,000	30,000	0	0.0%
30.9%	30,000	30,000	0	0.0%
32.1%	30,000	30,000	0	0.0%
33.3%	30,000	30,000	0	0.0%
34.6%	29,959	29,962	3	0.0%
35.8%	29,899	29,896	-2	0.0%
37.0%	29,755	29,832	76	0.3%
38.3%	29,753	29,682	-71	-0.2%
39.5%	29,720	29,635	-85	-0.3%
40.7%	29,700	29,586	-114	-0.4%
42.0%	29,596	29,582	-14	0.0%
43.2%	29,563	29,552	-11	0.0%
44.4%	29,518	29,549	31	0.1%
45.7%	29,472	29,527	55	0.2%
46.9%	29,454	29,456	2	0.0%
48.1%	29,166	29,309	143	0.5%
49.4%	28,826	29,280	454	1.6%
50.6%	28,768	28,769	1	0.0%
51.9%	28,741	28,729	-12	0.0%
53.1%	28,737	28,679	-58	-0.2%
54.3%	28,593	28,462	-131	-0.5%
55.6%	28,584	28,350	-234	-0.8%
56.8%	28,295	28,296	1	0.0%
58.0%	28,205	28,284	79	0.3%
59.3%	27,982	28,231	248	0.9%
60.5%	27,972	28,145	173	0.6%
61.7%	27,648	28,051	403	1.5%
63.0%	27,636	28,005	369	1.3%
64.2%	27,379	27,823	443	1.6%
65.4%	27,346	27,661	315	1.2%
66.7%	27,025	27,631	606	2.2%
67.9%	26,831	27,502	671	2.5%
69.1%	26,708	27,486	777	2.9%
70.4%	26,679	26,912	233	0.9%
71.6%	26,595	26,713	118	0.4%
72.8%	26,403	26,676	273	1.0%
74.1%	26,049	26,465	415	1.6%
75.3%	25,933	26,448	515	2.0%
76.5%	25,913	25,942	29	0.1%
77.8%	25,737	25,899	162	0.6%
79.0%	25,652	25,639	-13	0.0%
80.2%	25,567	25,600	33	0.1%
81.5%	25,387	25,408	21	0.1%
82.7%	24,762	24,874	113	0.5%
84.0%	24,332	24,793	461	1.9%
85.2%	23,256	24,386	1,129	4.9%
86.4%	22,851	24,108	1,258	5.5%
87.7%	22,655	23,677	1,022	4.5%
88.9%	22,620	23,023	402	1.8%
90.1%	22,458	22,666	208	0.9%
91.4%	18,801	20,399	1,598	8.5%
92.6%	17,737	19,455	1,718	9.7%
93.8%	16,595	19,181	2,586	15.6%
95.1%	16,054	18,908	2,854	17.8%
96.3%	15,680	18,790	3,110	19.8%
97.5%	15,482	17,672	2,190	14.1%
98.8%	15,148	17,298	2,151	14.2%
100.0%	13,413	14,804	1,391	10.4%

Table SW-09-7b
Shasta Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,776	0	0.0%
3.7%	29,776	29,718	-58	-0.2%
4.9%	29,776	29,626	-150	-0.5%
6.2%	29,776	29,593	-184	-0.6%
7.4%	29,776	29,538	-238	-0.8%
8.6%	29,776	29,533	-243	-0.8%
9.9%	29,626	29,520	-106	-0.4%
11.1%	29,626	29,464	-162	-0.5%
12.3%	29,619	29,409	-210	-0.7%
13.6%	29,516	29,397	-119	-0.4%
14.8%	29,433	29,344	-88	-0.3%
16.0%	29,129	29,186	57	0.2%
17.3%	29,125	29,127	1	0.0%
18.5%	29,096	29,050	-45	-0.2%
19.8%	29,084	29,013	-71	-0.2%
21.0%	29,057	29,009	-48	-0.2%
22.2%	29,041	28,912	-129	-0.4%
23.5%	28,994	28,910	-85	-0.3%
24.7%	28,864	28,910	46	0.2%
25.9%	28,801	28,896	95	0.3%
27.2%	28,678	28,827	149	0.5%
28.4%	28,651	28,765	114	0.4%
29.6%	28,601	28,716	116	0.4%
30.9%	28,586	28,706	120	0.4%
32.1%	28,486	28,678	192	0.7%
33.3%	28,458	28,538	80	0.3%
34.6%	28,435	28,502	66	0.2%
35.8%	28,408	28,458	50	0.2%
37.0%	28,339	28,415	76	0.3%
38.3%	27,968	28,297	329	1.2%
39.5%	27,787	28,151	364	1.3%
40.7%	27,775	28,084	309	1.1%
42.0%	27,747	28,079	332	1.2%
43.2%	27,685	28,030	346	1.2%
44.4%	27,587	27,992	405	1.5%
45.7%	27,577	27,984	407	1.5%
46.9%	27,516	27,899	383	1.4%
48.1%	27,141	27,780	639	2.4%
49.4%	27,121	27,595	473	1.7%
50.6%	27,074	27,583	509	1.9%
51.9%	26,995	27,363	367	1.4%
53.1%	26,939	27,223	284	1.1%
54.3%	26,910	27,221	312	1.2%
55.6%	26,702	27,204	502	1.9%
56.8%	26,663	27,189	526	2.0%
58.0%	26,554	26,999	445	1.7%
59.3%	26,505	26,898	393	1.5%
60.5%	26,390	26,690	300	1.1%
61.7%	26,233	26,622	389	1.5%
63.0%	26,128	26,598	470	1.8%
64.2%	26,109	26,500	391	1.5%
65.4%	25,851	26,470	619	2.4%
66.7%	25,607	26,234	627	2.4%
67.9%	25,463	25,834	371	1.5%
69.1%	24,883	25,500	617	2.5%
70.4%	24,793	25,423	630	2.5%
71.6%	24,791	25,300	508	2.0%
72.8%	24,731	25,015	284	1.1%
74.1%	24,186	24,798	611	2.5%
75.3%	23,806	24,454	647	2.7%
76.5%	23,664	24,237	573	2.4%
77.8%	23,659	23,987	328	1.4%
79.0%	23,659	23,969	309	1.3%
80.2%	23,418	23,841	423	1.8%
81.5%	23,403	23,840	438	1.9%
82.7%	22,023	23,636	1,613	7.3%
84.0%	21,981	22,980	999	4.5%
85.2%	21,426	22,938	1,512	7.1%
86.4%	21,408	22,286	878	4.1%
87.7%	21,373	22,161	788	3.7%
88.9%	20,934	21,684	750	3.6%
90.1%	19,966	21,485	1,519	7.6%
91.4%	16,257	18,120	1,862	11.5%
92.6%	16,108	17,808	1,700	10.6%
93.8%	14,438	16,611	2,173	15.1%
95.1%	14,241	16,459	2,217	15.6%
96.3%	13,904	16,068	2,165	15.6%
97.5%	13,184	15,987	2,803	21.3%
98.8%	12,568	15,901	3,333	26.5%
100.0%	9,666	11,477	1,811	18.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,275	0	0.0%
3.7%	28,275	28,155	-120	-0.4%
4.9%	28,275	28,123	-152	-0.5%
6.2%	28,275	28,051	-224	-0.8%
7.4%	28,113	27,974	-139	-0.5%
8.6%	28,060	27,922	-138	-0.5%
9.9%	27,970	27,878	-92	-0.3%
11.1%	27,798	27,858	60	0.2%
12.3%	27,785	27,856	71	0.3%
13.6%	27,742	27,608	-135	-0.5%
14.8%	27,610	27,504	-105	-0.4%
16.0%	27,525	27,467	-58	-0.2%
17.3%	27,515	27,359	-156	-0.6%
18.5%	27,389	27,351	-38	-0.1%
19.8%	27,351	27,149	-202	-0.7%
21.0%	27,336	27,078	-258	-0.9%
22.2%	27,274	26,971	-304	-1.1%
23.5%	27,056	26,786	-270	-1.0%
24.7%	26,466	26,750	284	1.1%
25.9%	26,421	26,662	242	0.9%
27.2%	26,326	26,641	315	1.2%
28.4%	26,318	26,569	251	1.0%
29.6%	26,272	26,564	292	1.1%
30.9%	26,210	26,556	346	1.3%
32.1%	25,986	26,268	282	1.1%
33.3%	25,918	26,159	241	0.9%
34.6%	25,901	26,122	221	0.9%
35.8%	25,716	26,085	369	1.4%
37.0%	25,625	25,993	369	1.4%
38.3%	25,154	25,833	680	2.7%
39.5%	25,058	25,740	682	2.7%
40.7%	24,798	25,712	914	3.7%
42.0%	24,771	25,693	922	3.7%
43.2%	24,770	25,621	851	3.4%
44.4%	24,727	25,439	711	2.9%
45.7%	24,669	25,297	628	2.5%
46.9%	24,662	25,015	353	1.4%
48.1%	24,619	24,992	373	1.5%
49.4%	24,597	24,964	367	1.5%
50.6%	24,520	24,867	347	1.4%
51.9%	24,487	24,666	178	0.7%
53.1%	24,439	24,377	-63	-0.3%
54.3%	24,374	24,297	-77	-0.3%
55.6%	24,074	24,228	154	0.6%
56.8%	23,963	24,183	220	0.9%
58.0%	23,696	24,099	403	1.7%
59.3%	23,691	24,058	368	1.6%
60.5%	23,659	24,048	389	1.6%
61.7%	23,518	23,806	288	1.2%
63.0%	23,389	23,650	260	1.1%
64.2%	23,323	23,553	229	1.0%
65.4%	23,196	23,538	342	1.5%
66.7%	22,792	23,492	700	3.1%
67.9%	22,506	23,110	603	2.7%
69.1%	22,470	23,019	550	2.4%
70.4%	21,948	22,919	971	4.4%
71.6%	21,914	22,838	924	4.2%
72.8%	21,766	22,296	530	2.4%
74.1%	21,404	22,132	728	3.4%
75.3%	21,360	22,033	673	3.2%
76.5%	21,166	21,944	778	3.7%
77.8%	21,052	21,919	868	4.1%
79.0%	20,850	21,617	767	3.7%
80.2%	20,452	21,179	726	3.6%
81.5%	20,416	21,155	739	3.6%
82.7%	19,317	20,685	1,368	7.1%
84.0%	19,234	20,207	973	5.1%
85.2%	19,106	20,013	906	4.7%
86.4%	18,531	19,764	1,233	6.7%
87.7%	18,512	19,622	1,110	6.0%
88.9%	18,133	19,227	1,095	6.0%
90.1%	17,001	18,345	1,344	7.9%
91.4%	14,105	15,687	1,582	11.2%
92.6%	13,578	15,118	1,540	11.3%
93.8%	12,848	14,702	1,854	14.4%
95.1%	11,766	13,820	2,054	17.5%
96.3%	10,972	13,387	2,415	22.0%
97.5%	9,818	12,979	3,161	32.2%
98.8%	7,828	12,817	4,988	63.7%
100.0%	7,478	8,037	560	7.5%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,331	0	0.0%
11.1%	26,331	26,331	0	0.0%
12.3%	26,331	26,331	0	0.0%
13.6%	26,331	26,331	0	0.0%
14.8%	26,331	26,292	-38	-0.1%
16.0%	26,234	26,220	-14	-0.1%
17.3%	26,073	26,166	93	0.4%
18.5%	26,071	26,109	38	0.1%
19.8%	25,897	25,892	-5	0.0%
21.0%	25,752	25,630	-122	-0.5%
22.2%	25,649	25,408	-240	-0.9%
23.5%	25,469	25,406	-62	-0.2%
24.7%	24,833	25,284	451	1.8%
25.9%	24,739	25,128	389	1.6%
27.2%	24,622	25,111	489	2.0%
28.4%	24,553	25,047	494	2.0%
29.6%	24,373	24,996	624	2.6%
30.9%	24,371	24,694	322	1.3%
32.1%	24,359	24,625	265	1.1%
33.3%	24,180	24,621	441	1.8%
34.6%	24,117	24,606	489	2.0%
35.8%	23,929	24,458	529	2.2%
37.0%	23,748	24,358	610	2.6%
38.3%	23,711	24,274	563	2.4%
39.5%	23,687	24,231	544	2.3%
40.7%	23,187	24,165	978	4.2%
42.0%	23,162	23,913	752	3.2%
43.2%	23,070	23,832	762	3.3%
44.4%	22,986	23,771	785	3.4%
45.7%	22,946	23,476	530	2.3%
46.9%	22,909	23,260	350	1.5%
48.1%	22,798	23,191	393	1.7%
49.4%	22,691	23,100	409	1.8%
50.6%	22,681	23,044	363	1.6%
51.9%	22,331	22,956	625	2.8%
53.1%	22,306	22,809	502	2.3%
54.3%	22,276	22,768	493	2.2%
55.6%	22,220	22,521	301	1.4%
56.8%	22,060	22,520	460	2.1%
58.0%	22,041	22,393	352	1.6%
59.3%	21,864	22,375	511	2.3%
60.5%	21,832	22,303	471	2.2%
61.7%	21,797	22,170	373	1.7%
63.0%	21,485	21,871	385	1.8%
64.2%	21,250	21,840	590	2.8%
65.4%	20,994	21,748	754	3.6%
66.7%	20,977	21,732	755	3.6%
67.9%	20,844	21,567	723	3.5%
69.1%	20,680	21,319	639	3.1%
70.4%	20,641	21,223	582	2.8%
71.6%	20,634	21,152	518	2.5%
72.8%	20,545	20,988	443	2.2%
74.1%	20,377	20,739	363	1.8%
75.3%	19,815	20,283	468	2.4%
76.5%	19,554	20,251	697	3.6%
77.8%	19,533	19,996	462	2.4%
79.0%	18,637	19,840	1,203	6.5%
80.2%	17,995	19,392	1,397	7.8%
81.5%	17,866	18,863	998	5.6%
82.7%	17,577	18,283	705	4.0%
84.0%	17,280	18,034	754	4.4%
85.2%	17,120	17,914	793	4.6%
86.4%	16,626	17,797	1,170	7.0%
87.7%	15,891	16,805	914	5.8%
88.9%	15,479	16,098	619	4.0%
90.1%	15,389	15,927	538	3.5%
91.4%	12,318	13,878	1,559	12.7%
92.6%	11,791	13,329	1,538	13.0%
93.8%	11,166	12,824	1,658	14.9%
95.1%	8,692	12,360	3,668	42.2%
96.3%	7,763	9,711	1,948	25.1%
97.5%	7,069	9,486	2,417	34.2%
98.8%	7,002	9,343	2,341	33.4%
100.0%	7,002	7,227	226	3.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,728	24,728	0	0.0%
4.9%	24,719	24,728	9	0.0%
6.2%	24,680	24,728	48	0.2%
7.4%	24,644	24,728	84	0.3%
8.6%	24,620	24,728	108	0.4%
9.9%	24,610	24,728	118	0.5%
11.1%	24,601	24,728	126	0.5%
12.3%	24,591	24,706	116	0.5%
13.6%	24,476	24,607	131	0.5%
14.8%	24,473	24,559	85	0.3%
16.0%	24,455	24,344	-111	-0.5%
17.3%	24,372	24,240	-133	-0.5%
18.5%	23,882	24,220	339	1.4%
19.8%	23,855	24,207	353	1.5%
21.0%	23,829	24,174	344	1.4%
22.2%	23,656	24,083	427	1.8%
23.5%	23,650	24,019	369	1.6%
24.7%	23,592	23,996	404	1.7%
25.9%	23,500	23,787	287	1.2%
27.2%	23,445	23,774	329	1.4%
28.4%	23,373	23,740	366	1.6%
29.6%	23,362	23,703	341	1.5%
30.9%	23,226	23,676	450	1.9%
32.1%	23,036	23,659	624	2.7%
33.3%	23,005	23,659	654	2.8%
34.6%	22,935	23,653	718	3.1%
35.8%	22,740	23,598	858	3.8%
37.0%	22,710	23,470	760	3.3%
38.3%	22,479	23,205	727	3.2%
39.5%	22,464	23,139	674	3.0%
40.7%	22,432	23,107	675	3.0%
42.0%	22,396	22,949	553	2.5%
43.2%	22,348	22,940	592	2.6%
44.4%	22,275	22,916	642	2.9%
45.7%	22,210	22,723	513	2.3%
46.9%	22,167	22,716	549	2.5%
48.1%	22,033	22,537	503	2.3%
49.4%	22,011	22,491	481	2.2%
50.6%	21,759	22,471	713	3.3%
51.9%	21,724	22,301	577	2.7%
53.1%	21,680	22,202	521	2.4%
54.3%	21,646	22,197	551	2.5%
55.6%	21,633	22,102	470	2.2%
56.8%	21,503	21,978	475	2.2%
58.0%	21,501	21,952	451	2.1%
59.3%	21,034	21,756	723	3.4%
60.5%	20,795	21,703	908	4.4%
61.7%	20,762	21,552	790	3.8%
63.0%	20,699	21,498	799	3.9%
64.2%	20,615	21,182	567	2.8%
65.4%	20,535	21,065	530	2.6%
66.7%	20,291	20,863	573	2.8%
67.9%	20,211	20,822	611	3.0%
69.1%	20,160	20,709	550	2.7%
70.4%	20,122	20,560	438	2.2%
71.6%	19,862	20,458	596	3.0%
72.8%	19,328	20,348	1,020	5.3%
74.1%	18,960	20,023	1,063	5.6%
75.3%	18,943	19,973	1,030	5.4%
76.5%	18,844	19,544	700	3.7%
77.8%	18,391	19,327	936	5.1%
79.0%	18,369	19,247	879	4.8%
80.2%	18,340	19,230	890	4.9%
81.5%	17,589	18,328	739	4.2%
82.7%	17,514	17,944	430	2.5%
84.0%	17,337	17,860	523	3.0%
85.2%	16,601	17,272	671	4.0%
86.4%	16,475	16,963	488	3.0%
87.7%	14,808	15,949	1,141	7.7%
88.9%	14,763	15,820	1,057	7.2%
90.1%	14,722	15,629	907	6.2%
91.4%	11,601	13,649	2,049	17.7%
92.6%	10,412	12,704	2,292	22.0%
93.8%	10,363	12,212	1,850	17.8%
95.1%	7,751	10,936	3,185	41.1%
96.3%	7,171	9,718	2,547	35.5%
97.5%	7,002	9,035	2,033	29.0%
98.8%	7,002	8,590	1,589	22.7%
100.0%	7,002	7,002	0	0.0%

Table SW-10-7a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative C	6,114	6,624	7,441	8,616	10,744	8,324	6,592	7,584	10,352	13,027	10,409	7,841
Difference	-76	251	746	342	532	-232	-350	-283	-494	-182	-142	-228
Percent Difference[3]	-1.2%	3.9%	11.1%	4.1%	5.2%	-2.7%	-5.0%	-3.6%	-4.6%	-1.4%	-1.3%	-2.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative C	7,526	8,801	8,228	16,319	18,724	16,066	9,454	9,499	10,647	12,557	10,745	11,957
Difference	230	152	859	421	366	-161	-25	35	132	-406	-272	-418
Percent Difference	3.2%	1.8%	11.7%	2.6%	2.0%	-1.0%	-0.3%	0.4%	1.3%	-3.1%	-2.5%	-3.4%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative C	6,208	8,809	7,943	7,432	14,958	8,183	6,181	7,874	10,627	14,226	10,096	7,476
Difference	256	536	1,100	-205	804	-229	88	182	-708	-68	-606	-722
Percent Difference	4.3%	6.5%	16.1%	-2.7%	5.7%	-2.7%	1.4%	2.4%	-6.2%	-0.5%	-5.7%	-8.8%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative C	5,677	5,511	8,653	4,631	6,329	4,433	5,285	6,745	9,928	13,181	9,568	5,544
Difference	416	445	734	346	629	-314	118	-213	-807	183	-613	148
Percent Difference	7.9%	8.8%	9.3%	8.1%	11.0%	-6.6%	2.3%	-3.1%	-7.5%	1.4%	-6.0%	2.7%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative C	5,090	4,856	7,687	4,553	4,474	3,543	4,676	6,472	10,326	13,219	10,622	5,728
Difference	-846	391	771	664	710	-335	-972	-736	-919	-207	-60	71
Percent Difference	-14.2%	8.8%	11.1%	17.1%	18.9%	-8.6%	-17.2%	-10.2%	-8.2%	-1.5%	-0.6%	1.3%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative C	5,010	3,676	3,454	3,853	3,793	3,402	5,203	5,790	9,975	12,381	10,656	5,137
Difference	-493	-255	123	229	240	-137	-1,103	-836	-632	-202	1,032	-208
Percent Difference	-9.0%	-6.5%	3.7%	6.3%	6.8%	-3.9%	-17.5%	-12.6%	-6.0%	-1.6%	10.7%	-3.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-10-7b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

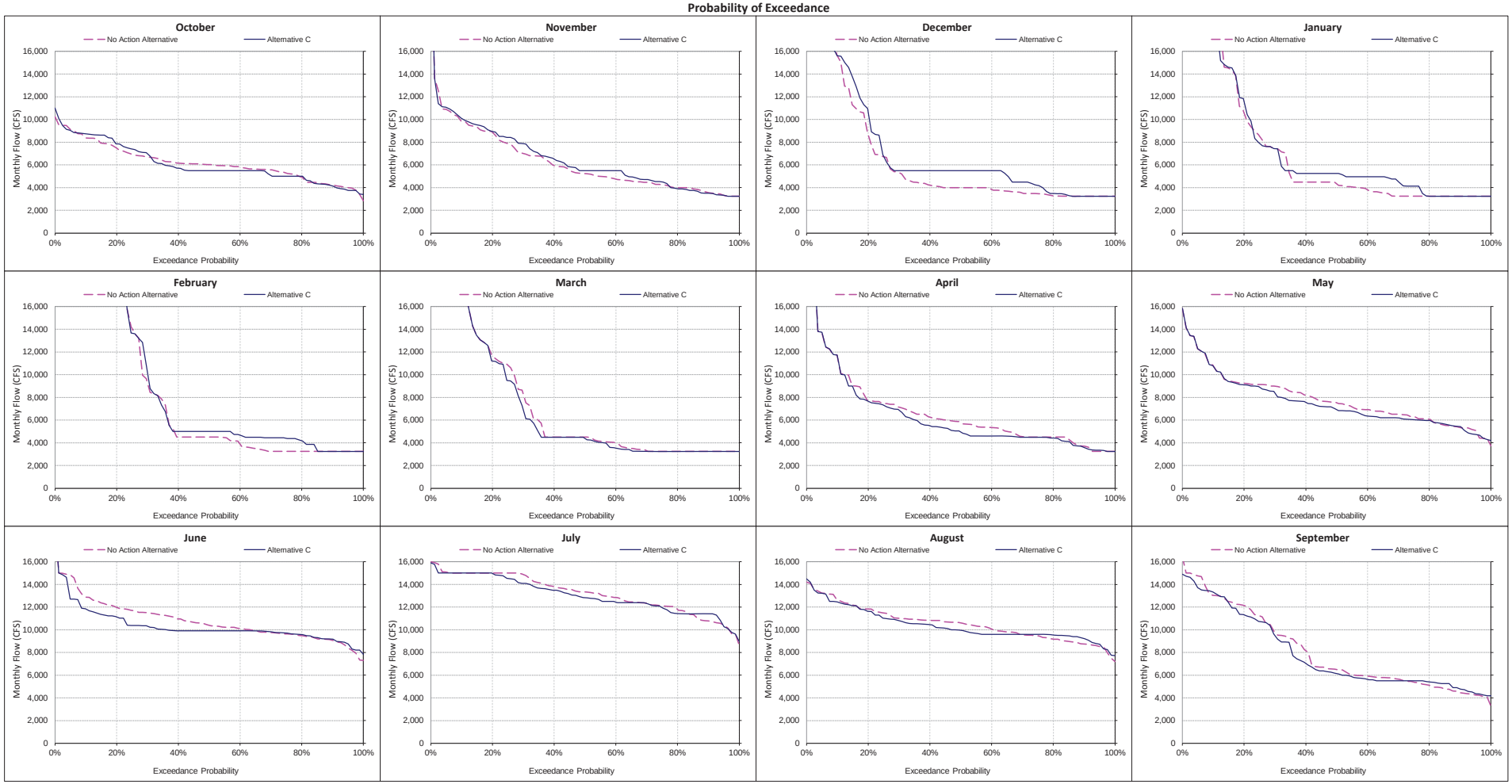

Table SW-10-7b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	11,015	773	7.5%
1.2%	9,547	10,100	553	5.8%
2.5%	9,499	9,474	-24	-0.3%
3.7%	9,474	9,136	-339	-3.6%
4.9%	9,132	9,048	-84	-0.9%
6.2%	8,999	8,840	-159	-1.8%
7.4%	8,745	8,820	75	0.9%
8.6%	8,730	8,809	79	0.9%
9.9%	8,370	8,737	367	4.4%
11.1%	8,361	8,684	323	3.9%
12.3%	8,352	8,658	306	3.7%
13.6%	8,299	8,650	351	4.2%
14.8%	7,926	8,626	700	8.8%
16.0%	7,889	8,614	725	9.2%
17.3%	7,852	8,401	549	7.0%
18.5%	7,727	8,361	635	8.2%
19.8%	7,525	7,853	328	4.4%
21.0%	7,275	7,841	566	7.8%
22.2%	7,215	7,608	393	5.4%
23.5%	7,087	7,512	425	6.0%
24.7%	6,974	7,420	445	6.4%
25.9%	6,848	7,353	505	7.4%
27.2%	6,820	7,180	360	5.3%
28.4%	6,788	7,098	310	4.6%
29.6%	6,701	7,091	390	5.8%
30.9%	6,670	6,760	90	1.4%
32.1%	6,641	6,307	-334	-5.0%
33.3%	6,561	6,147	-414	-6.3%
34.6%	6,428	6,119	-310	-4.8%
35.8%	6,303	5,965	-338	-5.4%
37.0%	6,280	5,923	-358	-5.7%
38.3%	6,266	5,856	-410	-6.5%
39.5%	6,171	5,721	-450	-7.3%
40.7%	6,153	5,700	-453	-7.4%
42.0%	6,130	5,532	-598	-9.8%
43.2%	6,112	5,500	-612	-10.0%
44.4%	6,099	5,500	-599	-9.8%
45.7%	6,096	5,500	-596	-9.8%
46.9%	6,089	5,500	-589	-9.7%
48.1%	6,042	5,500	-542	-9.0%
49.4%	6,033	5,500	-533	-8.8%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,473	-127	-2.3%
69.1%	5,592	5,207	-386	-6.9%
70.4%	5,570	5,000	-570	-10.2%
71.6%	5,481	5,000	-481	-8.8%
72.8%	5,377	5,000	-377	-7.0%
74.1%	5,367	5,000	-367	-6.8%
75.3%	5,248	5,000	-248	-4.7%
76.5%	5,205	5,000	-205	-3.9%
77.8%	5,172	5,000	-172	-3.3%
79.0%	4,996	5,000	4	0.1%
80.2%	4,889	5,000	111	2.3%
81.5%	4,477	4,647	169	3.8%
82.7%	4,475	4,592	117	2.6%
84.0%	4,464	4,387	-77	-1.7%
85.2%	4,444	4,334	-110	-2.5%
86.4%	4,363	4,306	-57	-1.3%
87.7%	4,328	4,290	-38	-0.9%
88.9%	4,256	4,218	-39	-0.9%
90.1%	4,231	4,125	-106	-2.5%
91.4%	4,148	3,977	-171	-4.1%
92.6%	4,108	3,919	-189	-4.6%
93.8%	4,052	3,862	-190	-4.7%
95.1%	4,000	3,755	-245	-6.1%
96.3%	3,955	3,754	-201	-5.1%
97.5%	3,774	3,746	-28	-0.7%
98.8%	3,390	3,439	49	1.4%
100.0%	2,836	3,400	564	19.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	28,206	696	2.5%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	11,383	-1,137	-9.1%
3.7%	10,931	11,113	182	1.7%
4.9%	10,889	11,069	180	1.6%
6.2%	10,724	10,931	208	1.9%
7.4%	10,436	10,691	256	2.4%
8.6%	10,295	10,405	110	1.1%
9.9%	9,856	10,127	271	2.8%
11.1%	9,831	9,913	82	0.8%
12.3%	9,497	9,779	282	3.0%
13.6%	9,433	9,622	189	2.0%
14.8%	9,384	9,542	158	1.7%
16.0%	9,095	9,466	371	4.1%
17.3%	8,986	9,364	378	4.2%
18.5%	8,949	9,102	154	1.7%
19.8%	8,948	8,968	19	0.2%
21.0%	8,590	8,895	305	3.6%
22.2%	8,173	8,507	334	4.1%
23.5%	8,012	8,502	490	6.1%
24.7%	7,918	8,413	495	6.3%
25.9%	7,839	8,412	573	7.3%
27.2%	7,482	8,283	801	10.7%
28.4%	7,071	7,918	847	12.0%
29.6%	7,043	7,893	851	12.1%
30.9%	6,937	7,835	898	12.9%
32.1%	6,822	7,427	605	8.9%
33.3%	6,803	7,204	401	5.9%
34.6%	6,799	7,087	288	4.2%
35.8%	6,758	6,819	61	0.9%
37.0%	6,493	6,758	265	4.1%
38.3%	6,296	6,684	389	6.2%
39.5%	6,015	6,596	581	9.7%
40.7%	5,857	6,394	537	9.2%
42.0%	5,849	6,311	461	7.9%
43.2%	5,827	6,167	340	5.8%
44.4%	5,673	5,842	169	3.0%
45.7%	5,437	5,808	370	6.8%
46.9%	5,321	5,766	445	8.4%
48.1%	5,279	5,500	221	4.2%
49.4%	5,250	5,500	250	4.8%
50.6%	5,229	5,500	271	5.2%
51.9%	5,174	5,500	326	6.3%
53.1%	5,068	5,500	432	8.5%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,084	438	9.4%
64.2%	4,630	4,950	320	6.9%
65.4%	4,553	4,940	387	8.5%
66.7%	4,521	4,843	322	7.1%
67.9%	4,511	4,728	217	4.8%
69.1%	4,473	4,719	245	5.5%
70.4%	4,458	4,713	255	5.7%
71.6%	4,430	4,619	189	4.3%
72.8%	4,286	4,540	255	5.9%
74.1%	4,279	4,535	256	6.0%
75.3%	4,242	4,500	258	6.1%
76.5%	4,194	4,364	170	4.1%
77.8%	4,062	4,003	-59	-1.4%
79.0%	4,000	3,955	-45	-1.1%
80.2%	4,000	3,885	-115	-2.9%
81.5%	4,000	3,881	-119	-3.0%
82.7%	4,000	3,833	-167	-4.2%
84.0%	4,000	3,760	-240	-6.0%
85.2%	3,885	3,751	-134	-3.5%
86.4%	3,834	3,685	-149	-3.9%
87.7%	3,755	3,525	-230	-6.1%
88.9%	3,635	3,504	-131	-3.6%
90.1%	3,556	3,499	-57	-1.6%
91.4%	3,499	3,481	-18	-0.5%
92.6%	3,481	3,369	-112	-3.2%
93.8%	3,434	3,345	-89	-2.6%
95.1%	3,297	3,338	41	1.2%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	24,622	-1,605	-6.1%
1.2%	24,964	24,431	-533	-2.1%
2.5%	24,622	24,193	-430	-1.7%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	21,539	-78	-0.4%
6.2%	20,314	20,314	0	0.0%
7.4%	18,063	17,634	-429	-2.4%
8.6%	17,244	16,234	-1,010	-5.9%
9.9%	15,658	15,610	-48	-0.3%
11.1%	15,051	15,562	511	3.4%
12.3%	12,935	15,000	2,065	16.0%
13.6%	12,898	14,579	1,681	13.0%
14.8%	11,307	13,758	2,451	21.7%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	11,883	1,197	11.2%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,804	8,913	1,110	14.2%
22.2%	6,930	8,699	1,769	25.5%
23.5%	6,907	8,615	1,708	24.7%
24.7%	6,742	6,907	165	2.4%
25.9%	6,656	6,225	-431	-6.5%
27.2%	5,642	5,740	98	1.7%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,376	5,500	1,124	25.7%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,278	1,572	42.4%
65.4%	3,690	4,950	1,260	34.2%
66.7%	3,650	4,500	850	23.3%
67.9%	3,609	4,500	891	24.7%
69.1%	3,595	4,500	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,378	888	25.4%
74.1%	3,481	4,250	769	22.1%
75.3%	3,472	4,184	712	20.5%
76.5%	3,471	4,000	529	15.3%
77.8%	3,392	3,663	270	8.0%
79.0%	3,327	3,494	167	5.0%
80.2%	3,257	3,490	233	7.1%
81.5%	3,251	3,472	221	6.8%
82.7%	3,250	3,471	221	6.8%
84.0%	3,250	3,392	142	4.4%
85.2%	3,250	3,289	39	1.2%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,735	52,735	0	0.0%
1.2%	38,615	38,615	0	0.0%
2.5%	34,203	34,203	0	0.0%
3.7%	30,587	30,587	0	0.0%
4.9%	26,924	27,099	176	0.7%
6.2%	25,153	25,153	0	0.0%
7.4%	24,008	22,158	-1,850	-7.7%
8.6%	20,927	20,927	0	0.0%
9.9%	19,053	19,053	0	0.0%
11.1%	18,323	18,323	0	0.0%
12.3%	18,115	15,199	-2,916	-16.1%
13.6%	14,598	14,826	228	1.6%
14.8%	14,544	14,598	55	0.4%
16.0%	14,354	14,544	190	1.3%
17.3%	13,878	13,878	0	0.0%
18.5%	11,161	11,921	760	6.8%
19.8%	10,786	11,848	1,061	9.8%
21.0%	9,852	10,423	571	5.8%
22.2%	9,385	9,852	466	5.0%
23.5%	8,989	8,333	-655	-7.3%
24.7%	8,666	7,977	-689	-8.0%
25.9%	8,193	7,682	-511	-6.2%
27.2%	7,628	7,628	0	0.0%
28.4%	7,626	7,626	0	0.0%
29.6%	7,446	7,446	0	0.0%
30.9%	7,419	7,419	0	0.0%
32.1%	7,140	5,876	-1,264	-17.7%
33.3%	7,049	5,500	-1,549	-22.0%
34.6%	5,316	5,500	184	3.5%
35.8%	4,500	5,500	1,000	22.2%
37.0%	4,500	5,250	750	16.7%
38.3%	4,500	5,250	750	16.7%
39.5%	4,500	5,250	750	16.7%
40.7%	4,500	5,250	750	16.7%
42.0%	4,500	5,250	750	16.7%
43.2%	4,500	5,250	750	16.7%
44.4%	4,500	5,250	750	16.7%
45.7%	4,500	5,250	750	16.7%
46.9%	4,500	5,250	750	16.7%
48.1%	4,500	5,250	750	16.7%
49.4%	4,465	5,250	785	17.6%
50.6%	4,202	5,250	1,048	24.9%
51.9%	4,165	5,147	981	23.6%
53.1%	4,087	4,950	863	21.1%
54.3%	4,082	4,950	868	21.3%
55.6%	4,040	4,950	910	22.5%
56.8%	4,025	4,950	925	23.0%
58.0%	3,979	4,950	971	24.4%
59.3%	3,926	4,950	1,024	26.1%
60.5%	3,738	4,950	1,212	32.4%
61.7%	3,638	4,950	1,312	36.1%
63.0%	3,629	4,950	1,321	36.4%
64.2%	3,584	4,950	1,366	38.1%
65.4%	3,502	4,950	1,448	41.4%
66.7%	3,488	4,869	1,381	39.6%
67.9%	3,255	4,751	1,496	46.0%
69.1%	3,250	4,750	1,500	46.2%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,165	915	28.2%
72.8%	3,250	4,125	875	26.9%
74.1%	3,250	4,125	875	26.9%
75.3%	3,250	4,125	875	26.9%
76.5%	3,250	4,125	875	26.9%
77.8%	3,250	3,488	238	7.3%
79.0%	3,250	3,255	5	0.1%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-7b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,471	3,464	7.9%
1.2%	42,028	44,007	1,979	4.7%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	32,554	76	0.2%
6.2%	31,736	30,288	-1,448	-4.6%
7.4%	30,069	30,069	0	0.0%
8.6%	28,992	29,988	996	3.4%
9.9%	27,512	29,490	1,977	7.2%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	0	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	15,705	0	0.0%
24.7%	14,217	13,679	-538	-3.8%
25.9%	13,598	13,598	0	0.0%
27.2%	13,212	13,212	0	0.0%
28.4%	9,952	12,855	2,903	29.2%
29.6%	9,642	10,831	1,189	12.3%
30.9%	8,436	8,781	345	4.1%
32.1%	8,323	8,323	0	0.0%
33.3%	8,164	8,164	0	0.0%
34.6%	7,864	7,328	-536	-6.8%
35.8%	7,324	6,738	-586	-8.0%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	5,000	793	18.9%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,725	579	14.0%
60.5%	3,679	4,625	946	25.7%
61.7%	3,637	4,500	863	23.7%
63.0%	3,588	4,500	912	25.4%
64.2%	3,525	4,500	975	27.7%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,500	1,086	31.8%
67.9%	3,351	4,455	1,104	33.0%
69.1%	3,250	4,455	1,205	37.1%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,375	1,125	34.6%
76.5%	3,250	4,375	1,125	34.6%
77.8%	3,250	4,375	1,125	34.6%
79.0%	3,250	4,265	1,015	31.2%
80.2%	3,250	4,149	899	27.7%
81.5%	3,250	3,875	625	19.2%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,101	41,104	3	0.0%
2.5%	40,248	40,180	-69	-0.2%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	22,410	-4,134	-15.6%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	18,544	0	0.0%
11.1%	17,063	17,345	282	1.7%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,222	-498	-4.2%
21.0%	11,423	11,165	-257	-2.3%
22.2%	11,165	10,959	-206	-1.8%
23.5%	11,012	10,926	-86	-0.8%
24.7%	10,926	9,488	-1,439	-13.2%
25.9%	10,601	9,444	-1,157	-10.9%
27.2%	9,911	9,161	-750	-7.6%
28.4%	8,704	8,137	-567	-6.5%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,125	-1,403	-18.6%
32.1%	7,278	6,078	-1,199	-16.5%
33.3%	6,125	5,728	-397	-6.5%
34.6%	6,078	5,085	-994	-16.4%
35.8%	5,728	4,500	-1,228	-21.4%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,278	-222	-4.9%
51.9%	4,461	4,250	-211	-4.7%
53.1%	4,250	4,134	-116	-2.7%
54.3%	4,143	4,048	-95	-2.3%
55.6%	4,134	4,011	-123	-3.0%
56.8%	4,087	3,979	-108	-2.6%
58.0%	4,060	3,602	-458	-11.3%
59.3%	4,048	3,568	-481	-11.9%
60.5%	3,979	3,510	-468	-11.8%
61.7%	3,658	3,436	-221	-6.1%
63.0%	3,602	3,422	-180	-5.0%
64.2%	3,510	3,422	-89	-2.5%
65.4%	3,494	3,268	-227	-6.5%
66.7%	3,436	3,250	-186	-5.4%
67.9%	3,422	3,250	-172	-5.0%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,037	0	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,794	-3	0.0%
4.9%	13,739	13,739	0	0.0%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,001	-986	-9.9%
14.8%	9,031	9,000	-31	-0.3%
16.0%	9,000	8,203	-797	-8.9%
17.3%	8,925	7,873	-1,053	-11.8%
18.5%	8,301	7,837	-465	-5.6%
19.8%	7,716	7,694	-21	-0.3%
21.0%	7,694	7,519	-175	-2.3%
22.2%	7,637	7,489	-148	-1.9%
23.5%	7,635	7,450	-186	-2.4%
24.7%	7,467	7,351	-116	-1.6%
25.9%	7,463	7,174	-289	-3.9%
27.2%	7,395	7,063	-332	-4.5%
28.4%	7,381	6,965	-416	-5.6%
29.6%	7,158	6,953	-204	-2.9%
30.9%	7,069	6,680	-389	-5.5%
32.1%	6,958	6,298	-659	-9.5%
33.3%	6,804	6,221	-583	-8.6%
34.6%	6,680	6,050	-631	-9.4%
35.8%	6,529	5,962	-567	-8.7%
37.0%	6,525	5,664	-860	-13.2%
38.3%	6,515	5,552	-963	-14.8%
39.5%	6,298	5,531	-768	-12.2%
40.7%	6,213	5,425	-789	-12.7%
42.0%	6,127	5,423	-703	-11.5%
43.2%	6,093	5,382	-712	-11.7%
44.4%	6,031	5,315	-716	-11.9%
45.7%	6,010	5,281	-729	-12.1%
46.9%	5,946	5,092	-854	-14.4%
48.1%	5,889	5,047	-841	-14.3%
49.4%	5,878	5,046	-832	-14.2%
50.6%	5,664	4,848	-816	-14.4%
51.9%	5,645	4,757	-888	-15.7%
53.1%	5,625	4,600	-1,025	-18.2%
54.3%	5,577	4,600	-977	-17.5%
55.6%	5,409	4,600	-809	-15.0%
56.8%	5,378	4,600	-778	-14.5%
58.0%	5,373	4,600	-773	-14.4%
59.3%	5,356	4,600	-756	-14.1%
60.5%	5,347	4,600	-747	-14.0%
61.7%	5,312	4,600	-712	-13.4%
63.0%	5,243	4,600	-643	-12.3%
64.2%	5,046	4,600	-446	-8.8%
65.4%	4,980	4,600	-380	-7.6%
66.7%	4,927	4,548	-379	-7.7%
67.9%	4,758	4,541	-217	-4.6%
69.1%	4,580	4,500	-80	-1.7%
70.4%	4,532	4,500	-32	-0.7%
71.6%	4,512	4,500	-12	-0.3%
72.8%	4,500	4,500	0	0.0%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,487	-13	-0.3%
79.0%	4,500	4,434	-66	-1.5%
80.2%	4,500	4,429	-71	-1.6%
81.5%	4,500	4,383	-117	-2.6%
82.7%	4,500	4,184	-316	-7.0%
84.0%	4,500	4,141	-359	-8.0%
85.2%	4,266	4,107	-159	-3.7%
86.4%	3,990	3,783	-207	-5.2%
87.7%	3,818	3,739	-79	-2.1%
88.9%	3,719	3,719	0	0.0%
90.1%	3,700	3,575	-125	-3.4%
91.4%	3,622	3,446	-176	-4.9%
92.6%	3,250	3,382	132	4.1%
93.8%	3,250	3,357	107	3.3%
95.1%	3,250	3,341	91	2.8%
96.3%	3,250	3,332	82	2.5%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,837	15,837	0	0.0%
1.2%	14,124	14,124	0	0.0%
2.5%	13,439	13,439	0	0.0%
3.7%	13,385	13,385	0	0.0%
4.9%	12,281	12,281	0	0.0%
6.2%	12,057	12,057	0	0.0%
7.4%	11,783	11,875	92	0.8%
8.6%	10,962	10,890	-72	-0.7%
9.9%	10,855	10,783	-72	-0.7%
11.1%	10,307	10,296	-11	-0.1%
12.3%	10,242	10,242	0	0.0%
13.6%	9,608	9,659	50	0.5%
14.8%	9,473	9,395	-78	-0.8%
16.0%	9,395	9,332	-63	-0.7%
17.3%	9,324	9,252	-72	-0.8%
18.5%	9,264	9,140	-124	-1.3%
19.8%	9,247	9,123	-123	-1.3%
21.0%	9,212	9,102	-111	-1.2%
22.2%	9,150	9,002	-148	-1.6%
23.5%	9,140	8,996	-144	-1.6%
24.7%	9,138	8,966	-172	-1.9%
25.9%	9,129	8,732	-397	-4.4%
27.2%	9,102	8,660	-441	-4.8%
28.4%	9,002	8,551	-452	-5.0%
29.6%	8,996	8,532	-464	-5.2%
30.9%	8,966	8,043	-923	-10.3%
32.1%	8,869	7,988	-881	-9.9%
33.3%	8,778	7,914	-864	-9.8%
34.6%	8,584	7,720	-864	-10.1%
35.8%	8,453	7,711	-741	-8.8%
37.0%	8,436	7,684	-752	-8.9%
38.3%	8,423	7,669	-754	-8.9%
39.5%	8,226	7,640	-587	-7.1%
40.7%	8,140	7,467	-673	-8.3%
42.0%	8,043	7,450	-593	-7.4%
43.2%	7,872	7,304	-569	-7.2%
44.4%	7,684	7,205	-479	-6.2%
45.7%	7,657	7,185	-472	-6.2%
46.9%	7,626	7,180	-446	-5.9%
48.1%	7,591	7,176	-415	-5.5%
49.4%	7,585	7,025	-560	-7.4%
50.6%	7,467	6,845	-622	-8.3%
51.9%	7,427	6,842	-585	-7.9%
53.1%	7,335	6,821	-514	-7.0%
54.3%	7,260	6,813	-446	-6.1%
55.6%	7,071	6,758	-312	-4.4%
56.8%	6,943	6,675	-268	-3.9%
58.0%	6,936	6,519	-417	-6.0%
59.3%	6,925	6,379	-546	-7.9%
60.5%	6,923	6,350	-573	-8.3%
61.7%	6,802	6,331	-471	-6.9%
63.0%	6,795	6,293	-502	-7.4%
64.2%	6,777	6,200	-577	-8.5%
65.4%	6,725	6,200	-525	-7.8%
66.7%	6,622	6,200	-422	-6.4%
67.9%	6,519	6,200	-319	-4.9%
69.1%	6,519	6,200	-319	-4.9%
70.4%	6,513	6,196	-317	-4.9%
71.6%	6,477	6,090	-388	-6.0%
72.8%	6,446	6,074	-373	-5.8%
74.1%	6,307	6,064	-244	-3.9%
75.3%	6,299	6,023	-276	-4.4%
76.5%	6,123	6,015	-108	-1.8%
77.8%	6,121	5,977	-144	-2.4%
79.0%	6,092	5,971	-121	-2.0%
80.2%	6,064	5,970	-94	-1.5%
81.5%	5,811	5,793	-18	-0.3%
82.7%	5,663	5,753	91	1.6%
84.0%	5,619	5,686	67	1.2%
85.2%	5,530	5,641	111	2.0%
86.4%	5,504	5,552	48	0.9%
87.7%	5,441	5,499	58	1.1%
88.9%	5,426	5,459	34	0.6%
90.1%	5,331	5,434	103	1.9%
91.4%	5,321	5,102	-219	-4.1%
92.6%	5,319	4,865	-454	-8.5%
93.8%	5,178	4,774	-403	-7.8%
95.1%	5,092	4,737	-354	-7.0%
96.3%	4,410	4,676	266	6.0%
97.5%	4,407	4,403	-3	-0.1%
98.8%	4,388	4,300	-88	-2.0%
100.0%	3,737	4,190	453	12.1%

Table SW-10-7b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	14,970	14,846	-124	-0.8%
3.7%	14,882	14,637	-244	-1.6%
4.9%	14,846	12,703	-2,143	-14.4%
6.2%	14,582	12,699	-1,883	-12.9%
7.4%	13,652	12,655	-997	-7.3%
8.6%	13,166	11,888	-1,277	-9.7%
9.9%	12,879	11,846	-1,033	-8.0%
11.1%	12,855	11,667	-1,188	-9.2%
12.3%	12,607	11,580	-1,027	-8.2%
13.6%	12,555	11,470	-1,085	-8.6%
14.8%	12,388	11,367	-1,020	-8.2%
16.0%	12,299	11,285	-1,014	-8.2%
17.3%	12,170	11,226	-944	-7.8%
18.5%	12,142	11,217	-925	-7.6%
19.8%	11,998	11,153	-846	-7.0%
21.0%	11,875	11,028	-847	-7.1%
22.2%	11,859	11,027	-832	-7.0%
23.5%	11,816	10,400	-1,416	-12.0%
24.7%	11,714	10,369	-1,345	-11.5%
25.9%	11,672	10,369	-1,303	-11.2%
27.2%	11,530	10,369	-1,161	-10.1%
28.4%	11,528	10,367	-1,161	-10.1%
29.6%	11,525	10,347	-1,178	-10.2%
30.9%	11,471	10,212	-1,259	-11.0%
32.1%	11,419	10,206	-1,213	-10.6%
33.3%	11,360	10,070	-1,290	-11.4%
34.6%	11,299	10,039	-1,260	-11.2%
35.8%	11,275	10,017	-1,258	-11.2%
37.0%	11,203	9,947	-1,256	-11.2%
38.3%	11,132	9,921	-1,210	-10.9%
39.5%	10,966	9,900	-1,066	-9.7%
40.7%	10,964	9,900	-1,064	-9.7%
42.0%	10,806	9,900	-906	-8.4%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,693	9,900	-793	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,334	9,900	-434	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,858	67	0.7%
69.1%	9,770	9,843	74	0.8%
70.4%	9,740	9,828	88	0.9%
71.6%	9,719	9,763	44	0.5%
72.8%	9,672	9,752	80	0.8%
74.1%	9,645	9,725	80	0.8%
75.3%	9,643	9,710	67	0.7%
76.5%	9,623	9,640	17	0.2%
77.8%	9,606	9,626	20	0.2%
79.0%	9,494	9,604	110	1.2%
80.2%	9,472	9,572	100	1.1%
81.5%	9,415	9,476	61	0.6%
82.7%	9,402	9,471	69	0.7%
84.0%	9,310	9,321	11	0.1%
85.2%	9,191	9,297	107	1.2%
86.4%	9,179	9,219	41	0.4%
87.7%	9,176	9,193	17	0.2%
88.9%	9,151	9,187	36	0.4%
90.1%	9,048	9,169	121	1.3%
91.4%	8,928	8,961	33	0.4%
92.6%	8,887	8,951	64	0.7%
93.8%	8,668	8,901	233	2.7%
95.1%	8,376	8,750	373	4.5%
96.3%	8,186	8,308	122	1.5%
97.5%	7,946	8,219	272	3.4%
98.8%	7,334	8,218	885	12.1%
100.0%	7,300	7,830	530	7.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,897	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
2.5%	15,775	15,000	-775	-4.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	14,833	-167	-1.1%
22.2%	15,000	14,814	-186	-1.2%
23.5%	15,000	14,765	-235	-1.6%
24.7%	15,000	14,532	-468	-3.1%
25.9%	15,000	14,482	-518	-3.5%
27.2%	15,000	14,439	-561	-3.7%
28.4%	15,000	14,159	-841	-5.6%
29.6%	14,903	14,084	-819	-5.5%
30.9%	14,780	14,083	-698	-4.7%
32.1%	14,539	14,003	-536	-3.7%
33.3%	14,273	13,826	-448	-3.1%
34.6%	14,165	13,680	-485	-3.4%
35.8%	14,115	13,649	-466	-3.3%
37.0%	13,988	13,614	-374	-2.7%
38.3%	13,875	13,549	-326	-2.3%
39.5%	13,837	13,492	-345	-2.5%
40.7%	13,725	13,477	-248	-1.8%
42.0%	13,678	13,406	-272	-2.0%
43.2%	13,641	13,264	-377	-2.8%
44.4%	13,548	13,206	-342	-2.5%
45.7%	13,539	13,072	-467	-3.4%
46.9%	13,410	13,047	-363	-2.7%
48.1%	13,348	12,936	-413	-3.1%
49.4%	13,338	12,839	-500	-3.7%
50.6%	13,332	12,823	-509	-3.8%
51.9%	13,286	12,763	-523	-3.9%
53.1%	13,224	12,751	-474	-3.6%
54.3%	13,219	12,677	-543	-4.1%
55.6%	13,011	12,500	-511	-3.9%
56.8%	12,972	12,500	-472	-3.6%
58.0%	12,921	12,500	-421	-3.3%
59.3%	12,864	12,500	-364	-2.8%
60.5%	12,824	12,400	-424	-3.3%
61.7%	12,720	12,400	-320	-2.5%
63.0%	12,535	12,400	-135	-1.1%
64.2%	12,447	12,400	-47	-0.4%
65.4%	12,444	12,400	-44	-0.4%
66.7%	12,438	12,400	-38	-0.3%
67.9%	12,395	12,395	-1	0.0%
69.1%	12,369	12,390	21	0.2%
70.4%	12,355	12,282	-73	-0.6%
71.6%	12,189	12,135	-54	-0.4%
72.8%	12,185	12,108	-77	-0.6%
74.1%	12,134	12,092	-42	-0.3%
75.3%	12,107	11,898	-209	-1.7%
76.5%	12,077	11,765	-312	-2.6%
77.8%	12,053	11,515	-538	-4.5%
79.0%	12,042	11,456	-586	-4.9%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,840	11,400	560	5.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,400	629	5.8%
91.4%	10,703	11,400	697	6.5%
92.6%	10,629	11,299	670	6.3%
93.8%	10,571	10,857	286	2.7%
95.1%	10,401	10,258	-142	-1.4%
96.3%	10,147	10,113	-34	-0.3%
97.5%	9,660	9,768	108	1.1%
98.8%	9,616	9,618	2	0.0%
100.0%	8,623	8,961	338	3.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,491	284	2.0%
1.2%	14,094	14,207	112	0.8%
2.5%	13,568	13,513	-55	-0.4%
3.7%	13,414	13,238	-175	-1.3%
4.9%	13,238	13,212	-27	-0.2%
6.2%	13,212	13,161	-50	-0.4%
7.4%	13,146	12,500	-646	-4.9%
8.6%	13,133	12,500	-633	-4.8%
9.9%	12,632	12,450	-182	-1.4%
11.1%	12,511	12,340	-171	-1.4%
12.3%	12,356	12,246	-110	-0.9%
13.6%	12,313	12,214	-99	-0.8%
14.8%	12,182	12,118	-63	-0.5%
16.0%	12,127	12,114	-12	-0.1%
17.3%	11,864	11,805	-60	-0.5%
18.5%	11,841	11,786	-54	-0.5%
19.8%	11,834	11,641	-193	-1.6%
21.0%	11,825	11,614	-211	-1.8%
22.2%	11,607	11,302	-305	-2.6%
23.5%	11,565	11,291	-275	-2.4%
24.7%	11,483	11,020	-464	-4.0%
25.9%	11,451	10,976	-475	-4.1%
27.2%	11,274	10,940	-334	-3.0%
28.4%	11,036	10,914	-122	-1.1%
29.6%	11,014	10,827	-187	-1.7%
30.9%	10,987	10,736	-251	-2.3%
32.1%	10,972	10,614	-357	-3.3%
33.3%	10,933	10,559	-374	-3.4%
34.6%	10,923	10,545	-379	-3.5%
35.8%	10,907	10,531	-376	-3.4%
37.0%	10,874	10,522	-352	-3.2%
38.3%	10,850	10,501	-348	-3.2%
39.5%	10,849	10,471	-378	-3.5%
40.7%	10,832	10,420	-412	-3.8%
42.0%	10,829	10,202	-627	-5.8%
43.2%	10,829	10,171	-658	-6.1%
44.4%	10,717	10,165	-552	-5.1%
45.7%	10,696	10,100	-596	-5.6%
46.9%	10,667	10,006	-661	-6.2%
48.1%	10,658	9,999	-659	-6.2%
49.4%	10,638	9,977	-661	-6.2%
50.6%	10,564	9,920	-644	-6.1%
51.9%	10,486	9,842	-644	-6.1%
53.1%	10,436	9,753	-683	-6.5%
54.3%	10,368	9,709	-660	-6.4%
55.6%	10,314	9,655	-659	-6.4%
56.8%	10,291	9,600	-691	-6.7%
58.0%	10,263	9,600	-663	-6.5%
59.3%	10,150	9,600	-550	-5.4%
60.5%	9,986	9,600	-386	-3.9%
61.7%	9,915	9,600	-315	-3.2%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,600	305	3.3%
79.0%	9,217	9,567	350	3.8%
80.2%	9,159	9,537	378	4.1%
81.5%	9,158	9,505	347	3.8%
82.7%	9,039	9,504	465	5.1%
84.0%	9,001	9,490	489	5.4%
85.2%	8,954	9,466	511	5.7%
86.4%	8,921	9,404	483	5.4%
87.7%	8,875	9,388	513	5.8%
88.9%	8,753	9,312	559	6.4%
90.1%	8,734	9,215	481	5.5%
91.4%	8,720	9,078	358	4.1%
92.6%	8,663	8,878	216	2.5%
93.8%	8,605	8,790	186	2.2%
95.1%	8,526	8,724	198	2.3%
96.3%	8,503	8,315	-188	-2.2%
97.5%	7,966	8,248	282	3.5%
98.8%	7,494	7,768	275	3.7%
100.0%	7,199	7,721	522	7.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,437	14,902	-1,535	-9.3%
1.2%	15,000	14,719	-281	-1.9%
2.5%	15,000	14,618	-382	-2.5%
3.7%	14,861	14,292	-569	-3.8%
4.9%	14,762	13,706	-1,056	-7.2%
6.2%	14,683	13,502	-1,181	-8.0%
7.4%	13,885	13,468	-416	-3.0%
8.6%	13,220	13,435	215	1.6%
9.9%	13,042	13,335	293	2.2%
11.1%	13,001	13,132	131	1.0%
12.3%	12,974	12,923	-51	-0.4%
13.6%	12,778	12,913	135	1.1%
14.8%	12,497	12,431	-65	-0.5%
16.0%	12,431	11,916	-515	-4.1%
17.3%	12,244	11,906	-339	-2.8%
18.5%	12,224	11,358	-866	-7.1%
19.8%	12,156	11,342	-813	-6.7%
21.0%	12,047	11,213	-834	-6.9%
22.2%	11,757	11,109	-647	-5.5%
23.5%	11,342	10,961	-381	-3.4%
24.7%	11,260	10,729	-532	-4.7%
25.9%	11,141	10,693	-448	-4.0%
27.2%	10,527	10,627	101	1.0%
28.4%	10,460	10,376	-84	-0.8%
29.6%	9,887	9,618	-269	-2.7%
30.9%	9,526	9,168	-357	-3.8%
32.1%	9,501	8,929	-572	-6.0%
33.3%	9,424	8,914	-509	-5.4%
34.6%	9,252	8,904	-348	-3.8%
35.8%	9,192	7,719	-1,474	-16.0%
37.0%	8,816	7,443	-1,374	-15.6%
38.3%	8,734	7,287	-1,447	-16.6%
39.5%	8,250	7,127	-1,122	-13.6%
40.7%	8,014	6,892	-1,122	-14.0%
42.0%	6,843	6,706	-137	-2.0%
43.2%	6,746	6,486	-260	-3.9%
44.4%	6,718	6,385	-333	-5.0%
45.7%	6,706	6,372	-334	-5.0%
46.9%	6,577	6,318	-259	-3.9%
48.1%	6,547	6,270	-277	-4.2%
49.4%	6,535	6,185	-351	-5.4%
50.6%	6,465	6,110	-355	-5.5%
51.9%	6,450	6,000	-450	-7.0%
53.1%	6,260	6,000	-260	-4.1%
54.3%	6,061	5,920	-141	-2.3%
55.6%	6,013	5,786	-227	-3.8%
56.8%	5,967	5,750	-217	-3.6%
58.0%	5,962	5,720	-242	-4.1%
59.3%	5,916	5,686	-230	-3.9%
60.5%	5,907	5,586	-321	-5.4%
61.7%	5,849	5,585	-264	-4.5%
63.0%	5,814	5,500	-314	-5.4%
64.2%	5,792	5,500	-292	-5.0%
65.4%	5,786	5,500	-286	-4.9%
66.7%	5,779	5,500	-279	-4.8%
67.9%	5,778	5,500	-278	-4.8%
69.1%	5,675	5,500	-175	-3.1%
70.4%	5,636	5,500	-136	-2.4%
71.6%	5,515	5,500	-15	-0.3%
72.8%	5,456	5,500	44	0.8%
74.1%	5,446	5,500	54	1.0%
75.3%	5,359	5,500	141	2.6%
76.5%	5,348	5,500	152	2.8%
77.8%	5,207	5,500	293	5.6%
79.0%	5,168	5,439	271	5.2%
80.2%	5,086	5,389	302	5.9%
81.5%	4,946	5,381	435	8.8%
82.7%	4,935	5,302	367	7.4%
84.0%	4,894	5,269	375	7.7%
85.2%	4,771	5,250	479	10.0%
86.4%	4,758	5,250	492	10.3%
87.7%	4,606	4,910	304	6.6%
88.9%	4,578	4,899	322	7.0%
90.1%	4,441	4,770	329	7.4%
91.4%	4,395	4,722	327	7.4%
92.6%	4,351	4,560	208	4.8%
93.8%	4,342	4,510	168	3.9%
95.1%	4,238	4,363	125	2.9%
96.3%	4,231	4,350	119	2.8%
97.5%	4,119	4,256	138	3.3%
98.8%	4,100	4,196	96	2.3%
100.0%	3,250	4,175	925	28.5%

Table SW-11-7a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative C	7,043	8,853	12,214	15,431	18,425	14,302	10,306	9,630	11,297	13,304	10,566	8,255
Difference	-76	251	743	336	531	-235	-347	-280	-494	-122	-147	-230
Percent Difference[3]	-1.1%	2.9%	6.5%	2.2%	3.0%	-1.6%	-3.3%	-2.8%	-4.2%	-0.9%	-1.4%	-2.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative C	8,488	11,288	12,878	27,844	30,422	24,905	15,251	12,553	12,186	13,027	10,995	12,427
Difference	232	149	859	419	365	-161	-23	35	132	-407	-270	-418
Percent Difference	2.8%	1.3%	7.1%	1.5%	1.2%	-0.6%	-0.1%	0.3%	1.1%	-3.0%	-2.4%	-3.3%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative C	7,262	11,105	12,860	15,856	24,071	15,686	10,513	10,196	11,478	14,412	10,219	7,898
Difference	260	533	1,094	-214	806	-241	89	179	-714	50	-612	-723
Percent Difference	3.7%	5.0%	9.3%	-1.3%	3.5%	-1.5%	0.9%	1.8%	-5.9%	0.4%	-5.7%	-8.4%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative C	6,842	7,810	13,719	9,555	12,376	8,599	8,616	8,368	10,669	13,444	9,645	5,897
Difference	414	442	731	339	628	-317	120	-216	-809	377	-620	148
Percent Difference	6.4%	6.0%	5.6%	3.7%	5.3%	-3.6%	1.4%	-2.5%	-7.1%	2.9%	-6.0%	2.6%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative C	5,909	7,095	13,456	7,700	9,762	8,059	6,864	7,844	10,909	13,332	10,752	6,161
Difference	-849	397	766	656	706	-338	-968	-728	-918	-183	-67	66
Percent Difference	-12.6%	5.9%	6.0%	9.3%	7.8%	-4.0%	-12.4%	-8.5%	-7.8%	-1.4%	-0.6%	1.1%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative C	5,625	5,177	6,510	6,565	6,836	5,961	6,518	6,882	10,504	12,591	10,782	5,467
Difference	-491	-251	123	225	239	-137	-1,101	-825	-627	-165	1,020	-218
Percent Difference	-8.0%	-4.6%	1.9%	3.5%	3.6%	-2.2%	-14.4%	-10.7%	-5.6%	-1.3%	10.4%	-3.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-11-7b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

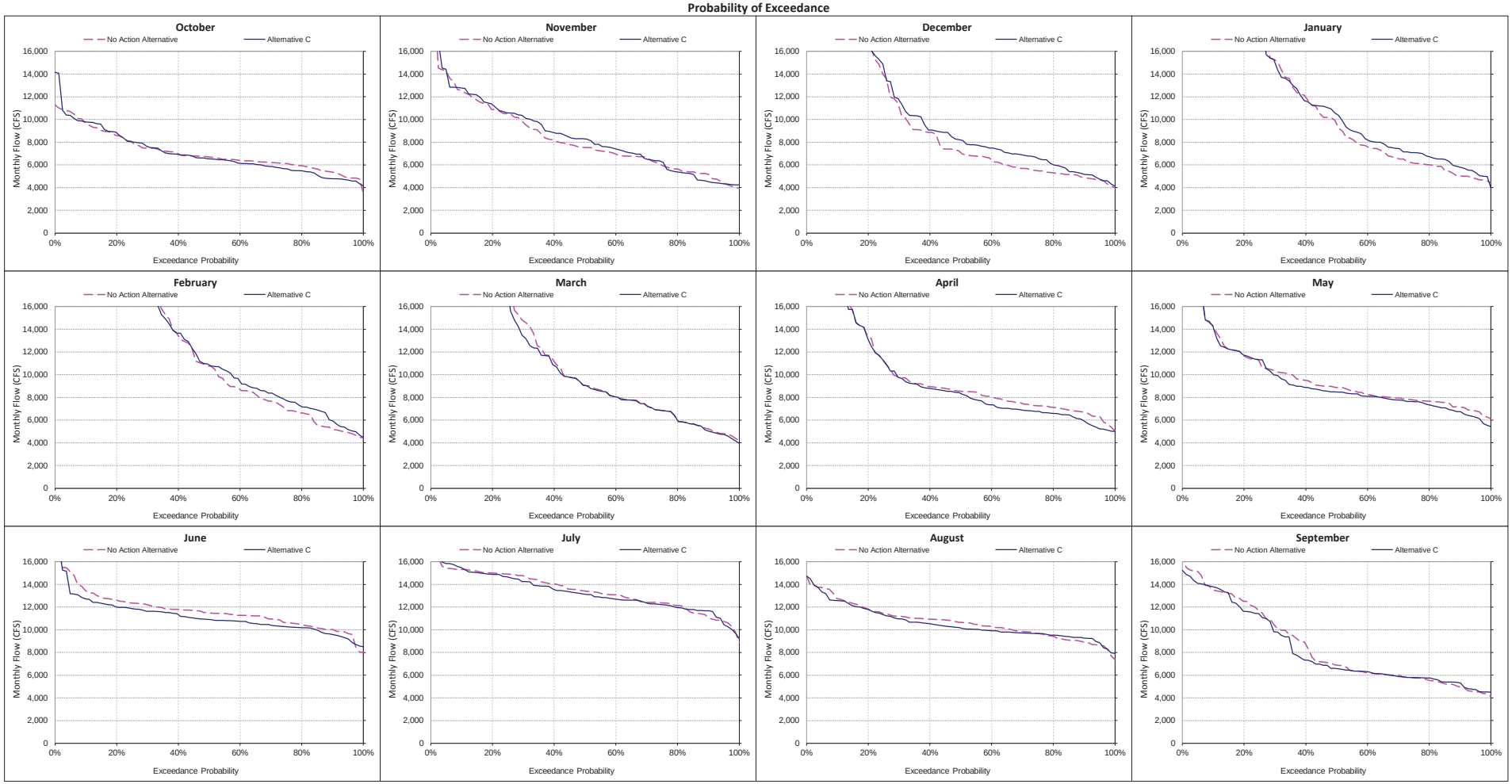

Table SW-11-7b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	14,160	2,881	25.5%
1.2%	11,021	14,081	3,060	27.8%
2.5%	10,886	10,810	-76	-0.7%
3.7%	10,809	10,384	-425	-3.9%
4.9%	10,697	10,367	-330	-3.1%
6.2%	10,470	10,096	-374	-3.6%
7.4%	10,086	9,907	-179	-1.8%
8.6%	10,046	9,868	-178	-1.8%
9.9%	9,702	9,795	93	1.0%
11.1%	9,490	9,755	264	2.8%
12.3%	9,320	9,730	410	4.4%
13.6%	9,276	9,627	351	3.8%
14.8%	9,047	9,605	558	6.2%
16.0%	8,947	9,115	168	1.9%
17.3%	8,943	8,948	5	0.1%
18.5%	8,799	8,942	142	1.6%
19.8%	8,607	8,881	274	3.2%
21.0%	8,555	8,587	32	0.4%
22.2%	8,390	8,366	-24	-0.3%
23.5%	8,131	8,079	-52	-0.6%
24.7%	8,081	8,049	-33	-0.4%
25.9%	7,773	8,005	232	3.0%
27.2%	7,713	7,949	235	3.0%
28.4%	7,498	7,916	417	5.6%
29.6%	7,492	7,665	173	2.3%
30.9%	7,473	7,533	60	0.8%
32.1%	7,460	7,508	48	0.6%
33.3%	7,395	7,482	87	1.2%
34.6%	7,244	7,242	-1	0.0%
35.8%	7,219	7,056	-163	-2.3%
37.0%	7,177	7,002	-175	-2.4%
38.3%	7,147	6,969	-177	-2.5%
39.5%	7,066	6,956	-111	-1.6%
40.7%	6,852	6,883	31	0.5%
42.0%	6,822	6,874	52	0.8%
43.2%	6,805	6,868	63	0.9%
44.4%	6,792	6,802	10	0.1%
45.7%	6,780	6,646	-134	-2.0%
46.9%	6,757	6,622	-135	-2.0%
48.1%	6,753	6,612	-141	-2.1%
49.4%	6,719	6,538	-181	-2.7%
50.6%	6,681	6,533	-148	-2.2%
51.9%	6,634	6,495	-138	-2.1%
53.1%	6,591	6,461	-130	-2.0%
54.3%	6,495	6,457	-39	-0.6%
55.6%	6,493	6,415	-78	-1.2%
56.8%	6,486	6,365	-121	-1.9%
58.0%	6,475	6,293	-183	-2.8%
59.3%	6,415	6,172	-242	-3.8%
60.5%	6,397	6,130	-267	-4.2%
61.7%	6,364	6,114	-250	-3.9%
63.0%	6,357	6,108	-249	-3.9%
64.2%	6,334	6,094	-241	-3.8%
65.4%	6,301	6,042	-258	-4.1%
66.7%	6,251	5,999	-252	-4.0%
67.9%	6,243	5,920	-324	-5.2%
69.1%	6,226	5,878	-348	-5.6%
70.4%	6,210	5,846	-363	-5.9%
71.6%	6,196	5,787	-408	-6.6%
72.8%	6,162	5,750	-412	-6.7%
74.1%	6,115	5,668	-446	-7.3%
75.3%	6,113	5,646	-467	-7.6%
76.5%	6,032	5,519	-513	-8.5%
77.8%	6,017	5,504	-512	-8.5%
79.0%	5,939	5,492	-446	-7.5%
80.2%	5,920	5,470	-450	-7.6%
81.5%	5,845	5,417	-428	-7.3%
82.7%	5,792	5,379	-412	-7.1%
84.0%	5,696	5,302	-394	-6.9%
85.2%	5,619	5,079	-541	-9.6%
86.4%	5,481	4,892	-589	-10.7%
87.7%	5,443	4,834	-609	-11.2%
88.9%	5,399	4,804	-596	-11.0%
90.1%	5,369	4,779	-590	-11.0%
91.4%	5,261	4,776	-485	-9.2%
92.6%	5,144	4,757	-387	-7.5%
93.8%	4,960	4,707	-252	-5.1%
95.1%	4,854	4,678	-176	-3.6%
96.3%	4,850	4,584	-266	-5.5%
97.5%	4,838	4,580	-259	-5.3%
98.8%	4,746	4,335	-412	-8.7%
100.0%	3,451	4,154	702	20.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	37,010	690	1.9%
1.2%	20,310	20,311	0	0.0%
2.5%	14,530	16,929	2,400	16.5%
3.7%	14,384	14,531	147	1.0%
4.9%	14,311	14,437	126	0.9%
6.2%	13,627	12,848	-778	-5.7%
7.4%	13,326	12,845	-481	-3.6%
8.6%	12,640	12,825	184	1.5%
9.9%	12,564	12,781	217	1.7%
11.1%	12,357	12,741	384	3.1%
12.3%	12,201	12,242	42	0.3%
13.6%	11,943	12,216	273	2.3%
14.8%	11,732	12,183	452	3.9%
16.0%	11,535	11,949	414	3.6%
17.3%	11,403	11,542	139	1.2%
18.5%	11,371	11,463	92	0.8%
19.8%	10,885	11,364	479	4.4%
21.0%	10,881	11,072	191	1.8%
22.2%	10,734	10,789	55	0.5%
23.5%	10,536	10,698	162	1.5%
24.7%	10,508	10,598	90	0.9%
25.9%	10,442	10,563	121	1.2%
27.2%	10,198	10,533	335	3.3%
28.4%	10,154	10,408	254	2.5%
29.6%	9,847	10,373	526	5.3%
30.9%	9,511	10,092	580	6.1%
32.1%	9,280	10,028	748	8.1%
33.3%	9,127	9,882	755	8.3%
34.6%	9,085	9,802	716	7.9%
35.8%	8,732	9,567	835	9.6%
37.0%	8,365	9,001	635	7.6%
38.3%	8,275	8,954	679	8.2%
39.5%	8,215	8,873	659	8.0%
40.7%	8,058	8,787	729	9.1%
42.0%	7,979	8,769	790	9.9%
43.2%	7,920	8,638	718	9.1%
44.4%	7,798	8,482	685	8.8%
45.7%	7,766	8,357	591	7.6%
46.9%	7,692	8,312	619	8.0%
48.1%	7,557	8,305	748	9.9%
49.4%	7,552	8,305	753	10.0%
50.6%	7,531	8,268	737	9.8%
51.9%	7,531	8,126	595	7.9%
53.1%	7,323	7,824	501	6.8%
54.3%	7,258	7,817	559	7.7%
55.6%	7,221	7,627	406	5.6%
56.8%	7,166	7,599	433	6.0%
58.0%	7,119	7,558	439	6.2%
59.3%	7,037	7,458	421	6.0%
60.5%	6,869	7,369	501	7.3%
61.7%	6,795	7,292	497	7.3%
63.0%	6,786	7,168	382	5.6%
64.2%	6,771	7,071	299	4.4%
65.4%	6,760	7,031	271	4.0%
66.7%	6,737	6,950	213	3.2%
67.9%	6,732	6,940	207	3.1%
69.1%	6,732	6,593	-138	-2.1%
70.4%	6,580	6,470	-110	-1.7%
71.6%	6,343	6,431	88	1.4%
72.8%	6,225	6,370	145	2.3%
74.1%	6,082	6,361	279	4.6%
75.3%	5,913	6,239	327	5.5%
76.5%	5,806	5,612	-194	-3.3%
77.8%	5,668	5,506	-162	-2.9%
79.0%	5,648	5,411	-236	-4.2%
80.2%	5,638	5,373	-265	-4.7%
81.5%	5,449	5,311	-138	-2.5%
82.7%	5,429	5,276	-153	-2.8%
84.0%	5,387	5,255	-132	-2.4%
85.2%	5,379	5,151	-228	-4.2%
86.4%	5,280	4,660	-620	-11.7%
87.7%	5,259	4,649	-610	-11.6%
88.9%	5,253	4,596	-658	-12.5%
90.1%	5,153	4,513	-640	-12.4%
91.4%	4,790	4,439	-351	-7.3%
92.6%	4,748	4,425	-322	-6.8%
93.8%	4,579	4,378	-201	-4.4%
95.1%	4,376	4,328	-48	-1.1%
96.3%	4,239	4,321	82	1.9%
97.5%	4,128	4,260	132	3.2%
98.8%	4,029	4,255	227	5.6%
100.0%	3,936	4,238	302	7.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,823	1	0.0%
1.2%	41,259	39,457	-1,802	-4.4%
2.5%	34,922	34,908	-14	0.0%
3.7%	34,074	33,984	-91	-0.3%
4.9%	33,410	32,634	-777	-2.3%
6.2%	31,136	31,522	386	1.2%
7.4%	29,912	29,907	-5	0.0%
8.6%	29,696	27,926	-1,770	-6.0%
9.9%	25,091	27,873	2,782	11.1%
11.1%	23,809	24,997	1,188	5.0%
12.3%	22,287	23,781	1,493	6.7%
13.6%	21,560	23,110	1,550	7.2%
14.8%	21,351	22,763	1,412	6.6%
16.0%	20,125	21,347	1,221	6.1%
17.3%	18,729	20,884	2,156	11.5%
18.5%	18,189	20,217	2,028	11.2%
19.8%	17,210	19,869	2,659	15.5%
21.0%	16,249	16,053	-196	-1.2%
22.2%	15,283	15,604	322	2.1%
23.5%	14,883	15,285	403	2.7%
24.7%	14,038	14,884	846	6.0%
25.9%	13,574	13,404	-170	-1.3%
27.2%	11,964	13,342	1,378	11.5%
28.4%	11,837	11,962	125	1.1%
29.6%	11,462	11,832	370	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.8%
33.3%	9,607	10,365	758	7.9%
34.6%	9,114	10,339	1,225	13.4%
35.8%	9,104	10,319	1,215	13.3%
37.0%	9,074	10,228	1,154	12.7%
38.3%	8,927	9,508	581	6.5%
39.5%	8,872	9,080	208	2.3%
40.7%	8,860	9,071	210	2.4%
42.0%	8,688	8,988	300	3.5%
43.2%	7,771	8,907	1,136	14.6%
44.4%	7,415	8,876	1,462	19.7%
45.7%	7,384	8,876	1,492	20.2%
46.9%	7,383	8,503	1,120	15.2%
48.1%	7,342	8,282	940	12.8%
49.4%	7,231	8,225	994	13.7%
50.6%	6,951	8,161	1,210	17.4%
51.9%	6,923	7,828	905	13.1%
53.1%	6,810	7,771	961	14.1%
54.3%	6,783	7,763	981	14.5%
55.6%	6,775	7,736	961	14.2%
56.8%	6,771	7,650	880	13.0%
58.0%	6,681	7,587	906	13.6%
59.3%	6,603	7,485	882	13.4%
60.5%	6,255	7,479	1,224	19.6%
61.7%	6,243	7,386	1,143	18.3%
63.0%	6,143	7,330	1,187	19.3%
64.2%	5,994	7,105	1,110	18.5%
65.4%	5,954	7,060	1,106	18.6%
66.7%	5,831	6,967	1,136	19.5%
67.9%	5,815	6,960	1,145	19.7%
69.1%	5,705	6,922	1,217	21.3%
70.4%	5,690	6,868	1,177	20.7%
71.6%	5,676	6,799	1,123	19.8%
72.8%	5,570	6,777	1,207	21.7%
74.1%	5,524	6,693	1,169	21.2%
75.3%	5,475	6,543	1,068	19.5%
76.5%	5,461	6,462	1,000	18.3%
77.8%	5,365	6,450	1,084	20.2%
79.0%	5,347	6,152	805	15.1%
80.2%	5,293	5,980	686	13.0%
81.5%	5,235	5,951	717	13.7%
82.7%	5,225	5,839	615	11.8%
84.0%	5,163	5,725	562	10.9%
85.2%	5,153	5,416	262	5.1%
86.4%	5,126	5,408	282	5.5%
87.7%	5,121	5,346	225	4.4%
88.9%	4,931	5,267	336	6.8%
90.1%	4,891	5,151	260	5.3%
91.4%	4,816	5,135	319	6.6%
92.6%	4,778	5,126	348	7.3%
93.8%	4,711	4,916	206	4.4%
95.1%	4,676	4,727	51	1.1%
96.3%	4,606	4,606	0	0.0%
97.5%	4,303	4,605	303	7.0%
98.8%	4,144	4,304	159	3.8%
100.0%	3,976	4,141	165	4.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,541	77,544	3	0.0%
1.2%	57,064	57,066	2	0.0%
2.5%	51,783	51,798	15	0.0%
3.7%	50,578	50,584	7	0.0%
4.9%	42,791	42,975	183	0.4%
6.2%	41,455	40,565	-891	-2.1%
7.4%	40,574	40,125	-449	-1.1%
8.6%	34,319	39,602	5,283	15.4%
9.9%	31,949	31,950	1	0.0%
11.1%	30,488	30,485	-3	0.0%
12.3%	27,474	27,742	267	1.0%
13.6%	26,710	26,708	-2	0.0%
14.8%	26,677	26,523	-154	-0.6%
16.0%	26,519	26,246	-273	-1.0%
17.3%	25,821	23,509	-2,312	-9.0%
18.5%	23,516	22,711	-805	-3.4%
19.8%	22,709	21,277	-1,432	-6.3%
21.0%	20,817	20,109	-707	-3.4%
22.2%	20,128	19,934	-194	-1.0%
23.5%	19,931	19,791	-140	-0.7%
24.7%	19,542	18,791	-751	-3.8%
25.9%	18,554	18,687	133	0.7%
27.2%	17,321	15,701	-1,620	-9.4%
28.4%	15,412	15,410	-1	0.0%
29.6%	15,293	15,290	-3	0.0%
30.9%	15,065	14,354	-712	-4.7%
32.1%	14,349	13,717	-632	-4.4%
33.3%	13,725	13,619	-106	-0.8%
34.6%	13,620	13,406	-214	-1.6%
35.8%	12,821	12,991	170	1.3%
37.0%	12,374	12,742	368	3.0%
38.3%	12,238	12,137	-101	-0.8%
39.5%	12,136	11,658	-478	-3.9%
40.7%	11,655	11,547	-108	-0.9%
42.0%	11,231	11,270	40	0.4%
43.2%	11,163	11,227	64	0.6%
44.4%	10,534	11,188	654	6.2%
45.7%	10,196	11,164	968	9.5%
46.9%	10,174	11,061	887	8.7%
48.1%	10,158	10,936	778	7.7%
49.4%	9,932	10,577	645	6.5%
50.6%	9,218	10,371	1,153	12.5%
51.9%	8,976	9,887	911	10.1%
53.1%	8,414	9,348	934	11.1%
54.3%	8,351	9,092	741	8.9%
55.6%	8,186	8,955	770	9.4%
56.8%	7,851	8,858	1,008	12.8%
58.0%	7,754	8,744	991	12.8%
59.3%	7,709	8,300	592	7.7%
60.5%	7,524	8,136	612	8.1%
61.7%	7,468	8,039	571	7.6%
63.0%	7,444	7,999	555	7.4%
64.2%	7,302	7,995	692	9.5%
65.4%	7,132	7,846	713	10.0%
66.7%	6,786	7,565	779	11.5%
67.9%	6,714	7,534	820	12.2%
69.1%	6,603	7,470	867	13.1%
70.4%	6,528	7,439	911	14.0%
71.6%	6,516	7,144	629	9.7%
72.8%	6,302	7,141	839	13.3%
74.1%	6,212	7,082	870	14.0%
75.3%	6,147	7,076	928	15.1%
76.5%	6,125	7,050	925	15.1%
77.8%	6,103	6,982	879	14.4%
79.0%	6,029	6,783	754	12.5%
80.2%	6,012	6,709	698	11.6%
81.5%	5,973	6,588	614	10.3%
82.7%	5,883	6,527	644	10.9%
84.0%	5,882	6,516	634	10.8%
85.2%	5,483	6,474	991	18.1%
86.4%	5,441	6,289	848	15.6%
87.7%	5,282	5,972	690	13.1%
88.9%	5,048	5,883	835	16.6%
90.1%	5,016	5,788	772	15.4%
91.4%	5,009	5,700	691	13.8%
92.6%	4,992	5,535	543	10.9%
93.8%	4,841	5,515	675	13.9%
95.1%	4,793	5,313	519	10.8%
96.3%	4,680	5,040	360	7.7%
97.5%	4,671	5,013	342	7.3%
98.8%	4,595	4,989	394	8.6%
100.0%	4,441	3,958	-483	-10.9%

Table SW-11-7b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,741	73,738	-3	0.0%
1.2%	62,985	68,227	5,242	8.3%
2.5%	62,796	63,062	266	0.4%
3.7%	55,334	55,332	-2	0.0%
4.9%	48,194	49,752	1,557	3.2%
6.2%	47,418	49,587	2,170	4.6%
7.4%	45,743	47,084	1,341	2.9%
8.6%	43,850	43,891	41	0.1%
9.9%	43,343	43,346	3	0.0%
11.1%	42,098	42,759	662	1.6%
12.3%	39,597	40,349	752	1.9%
13.6%	39,566	39,601	35	0.1%
14.8%	37,756	37,774	17	0.0%
16.0%	32,915	32,914	-1	0.0%
17.3%	32,825	32,826	1	0.0%
18.5%	30,984	30,986	2	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,913	0	0.0%
22.2%	27,169	27,178	9	0.0%
23.5%	24,392	24,230	-162	-0.7%
24.7%	24,232	23,588	-643	-2.7%
25.9%	23,284	23,282	-2	0.0%
27.2%	20,793	23,033	2,239	10.8%
28.4%	20,711	20,803	92	0.4%
29.6%	19,550	20,713	1,163	5.9%
30.9%	17,705	20,131	2,426	13.7%
32.1%	17,162	16,557	-606	-3.5%
33.3%	16,589	16,127	-462	-2.8%
34.6%	15,790	15,287	-503	-3.2%
35.8%	15,288	14,918	-370	-2.4%
37.0%	14,927	14,478	-449	-3.0%
38.3%	13,915	13,924	9	0.1%
39.5%	13,642	13,678	36	0.3%
40.7%	13,102	13,644	542	4.1%
42.0%	12,925	13,109	184	1.4%
43.2%	12,797	12,918	121	0.9%
44.4%	12,302	12,300	-2	0.0%
45.7%	11,183	11,832	650	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,998	44	0.4%
49.4%	10,770	10,948	178	1.7%
50.6%	10,733	10,767	34	0.3%
51.9%	10,471	10,719	249	2.4%
53.1%	9,836	10,707	871	8.9%
54.3%	9,691	10,472	781	8.1%
55.6%	9,214	10,337	1,123	12.2%
56.8%	8,953	10,134	1,181	13.2%
58.0%	8,944	9,715	771	8.6%
59.3%	8,826	9,682	856	9.7%
60.5%	8,597	9,192	594	6.9%
61.7%	8,587	9,149	562	6.5%
63.0%	8,528	8,951	423	5.0%
64.2%	8,450	8,841	390	4.6%
65.4%	8,182	8,799	618	7.5%
66.7%	7,885	8,600	715	9.1%
67.9%	7,822	8,585	764	9.8%
69.1%	7,680	8,388	708	9.2%
70.4%	7,649	8,380	731	9.6%
71.6%	7,575	8,180	606	8.0%
72.8%	7,354	8,027	673	9.2%
74.1%	7,145	7,857	712	10.0%
75.3%	6,833	7,695	862	12.6%
76.5%	6,828	7,588	760	11.1%
77.8%	6,797	7,582	785	11.6%
79.0%	6,633	7,332	699	10.5%
80.2%	6,630	7,148	518	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,046	553	8.5%
84.0%	5,844	6,968	1,124	19.2%
85.2%	5,509	6,874	1,364	24.8%
86.4%	5,471	6,774	1,303	23.8%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,022	645	12.0%
90.1%	5,165	5,912	747	14.5%
91.4%	5,143	5,621	477	9.3%
92.6%	5,056	5,421	365	7.2%
93.8%	4,970	5,375	405	8.2%
95.1%	4,910	5,165	255	5.2%
96.3%	4,794	5,056	262	5.5%
97.5%	4,666	4,972	306	6.5%
98.8%	4,495	4,665	170	3.8%
100.0%	4,441	4,459	18	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,281	69,286	5	0.0%
1.2%	69,130	69,132	2	0.0%
2.5%	53,612	53,619	7	0.0%
3.7%	50,175	50,107	-68	-0.1%
4.9%	46,777	46,778	1	0.0%
6.2%	39,468	35,344	-4,124	-10.4%
7.4%	33,138	33,114	-25	-0.1%
8.6%	31,967	31,948	-19	-0.1%
9.9%	29,384	29,387	3	0.0%
11.1%	26,760	26,747	-13	0.0%
12.3%	25,167	25,169	3	0.0%
13.6%	23,886	24,166	280	1.2%
14.8%	21,386	21,388	3	0.0%
16.0%	20,528	20,532	5	0.0%
17.3%	19,947	19,930	-16	-0.1%
18.5%	19,929	19,135	-794	-4.0%
19.8%	19,871	19,106	-765	-3.8%
21.0%	19,134	18,978	-156	-0.8%
22.2%	18,532	18,534	2	0.0%
23.5%	18,238	18,448	210	1.2%
24.7%	17,674	17,686	12	0.1%
25.9%	17,354	15,588	-1,766	-10.2%
27.2%	15,647	14,804	-843	-5.4%
28.4%	15,302	14,256	-1,046	-6.8%
29.6%	14,801	13,468	-1,333	-9.0%
30.9%	14,581	13,182	-1,399	-9.6%
32.1%	14,256	12,559	-1,697	-11.9%
33.3%	13,653	12,350	-1,303	-9.5%
34.6%	12,557	12,340	-217	-1.7%
35.8%	12,342	11,696	-646	-5.2%
37.0%	11,751	11,687	-64	-0.5%
38.3%	11,699	11,637	-62	-0.5%
39.5%	11,358	10,889	-469	-4.1%
40.7%	10,908	10,670	-238	-2.2%
42.0%	10,645	10,141	-503	-4.7%
43.2%	9,868	9,869	1	0.0%
44.4%	9,798	9,801	3	0.0%
45.7%	9,735	9,731	-4	0.0%
46.9%	9,700	9,692	-8	-0.1%
48.1%	9,419	9,416	-3	0.0%
49.4%	9,087	9,068	-19	-0.2%
50.6%	9,033	9,028	-5	-0.1%
51.9%	8,992	8,778	-214	-2.4%
53.1%	8,776	8,699	-77	-0.9%
54.3%	8,697	8,607	-91	-1.0%
55.6%	8,605	8,535	-71	-0.8%
56.8%	8,491	8,495	4	0.0%
58.0%	8,153	8,165	12	0.2%
59.3%	8,092	8,097	5	0.1%
60.5%	8,017	8,009	-8	-0.1%
61.7%	7,902	7,805	-97	-1.2%
63.0%	7,809	7,766	-43	-0.6%
64.2%	7,765	7,763	-2	0.0%
65.4%	7,764	7,754	-9	-0.1%
66.7%	7,759	7,675	-84	-1.1%
67.9%	7,467	7,463	-3	0.0%
69.1%	7,448	7,444	-4	0.0%
70.4%	7,189	7,189	0	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,892	-7	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,838	6	0.1%
76.5%	6,801	6,799	-2	0.0%
77.8%	6,755	6,753	-2	0.0%
79.0%	6,399	6,397	-1	0.0%
80.2%	5,876	5,870	-7	-0.1%
81.5%	5,846	5,846	0	0.0%
82.7%	5,793	5,794	1	0.0%
84.0%	5,674	5,674	0	0.0%
85.2%	5,665	5,655	-10	-0.2%
86.4%	5,531	5,536	5	0.1%
87.7%	5,469	5,469	0	0.0%
88.9%	5,283	5,146	-137	-2.6%
90.1%	5,214	5,029	-185	-3.6%
91.4%	5,038	4,930	-108	-2.1%
92.6%	4,930	4,859	-71	-1.4%
93.8%	4,813	4,755	-57	-1.2%
95.1%	4,805	4,729	-76	-1.6%
96.3%	4,767	4,603	-164	-3.4%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,183	-205	-4.7%
100.0%	4,197	3,965	-233	-5.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,231	41,235	4	0.0%
1.2%	33,731	33,733	2	0.0%
2.5%	24,731	24,733	2	0.0%
3.7%	23,667	23,667	0	0.0%
4.9%	22,398	22,400	1	0.0%
6.2%	22,070	22,066	-4	0.0%
7.4%	17,934	17,933	-1	0.0%
8.6%	17,612	17,615	3	0.0%
9.9%	17,573	17,572	0	0.0%
11.1%	16,912	16,913	2	0.0%
12.3%	16,879	16,885	6	0.0%
13.6%	16,204	15,745	-459	-2.8%
14.8%	15,744	15,741	-3	0.0%
16.0%	14,572	14,575	3	0.0%
17.3%	14,317	14,321	4	0.0%
18.5%	14,172	14,178	6	0.0%
19.8%	13,397	13,197	-200	-1.5%
21.0%	13,196	12,492	-704	-5.3%
22.2%	11,941	11,943	3	0.0%
23.5%	11,702	11,702	1	0.0%
24.7%	11,304	11,305	1	0.0%
25.9%	10,873	10,869	-4	0.0%
27.2%	10,482	10,330	-153	-1.5%
28.4%	9,935	10,314	380	3.8%
29.6%	9,824	9,761	-63	-0.6%
30.9%	9,743	9,671	-71	-0.7%
32.1%	9,704	9,380	-323	-3.3%
33.3%	9,425	9,255	-170	-1.8%
34.6%	9,256	9,195	-61	-0.7%
35.8%	9,204	9,155	-49	-0.5%
37.0%	9,191	8,927	-264	-2.9%
38.3%	9,091	8,839	-251	-2.8%
39.5%	8,944	8,811	-133	-1.5%
40.7%	8,926	8,747	-180	-2.0%
42.0%	8,890	8,711	-180	-2.0%
43.2%	8,836	8,651	-185	-2.1%
44.4%	8,818	8,603	-215	-2.4%
45.7%	8,759	8,538	-222	-2.5%
46.9%	8,719	8,529	-190	-2.2%
48.1%	8,604	8,445	-160	-1.9%
49.4%	8,552	8,415	-137	-1.6%
50.6%	8,533	8,268	-265	-3.1%
51.9%	8,509	8,159	-351	-4.1%
53.1%	8,502	7,920	-582	-6.8%
54.3%	8,479	7,830	-649	-7.7%
55.6%	8,440	7,754	-687	-8.1%
56.8%	8,195	7,686	-509	-6.2%
58.0%	8,110	7,406	-704	-8.7%
59.3%	8,105	7,354	-751	-9.3%
60.5%	7,964	7,339	-625	-7.8%
61.7%	7,912	7,131	-781	-9.9%
63.0%	7,866	7,055	-810	-10.3%
64.2%	7,734	7,036	-698	-9.0%
65.4%	7,657	7,033	-624	-8.1%
66.7%	7,630	6,967	-663	-8.7%
67.9%	7,556	6,960	-596	-7.9%
69.1%	7,550	6,934	-616	-8.2%
70.4%	7,418	6,855	-563	-7.6%
71.6%	7,381	6,833	-549	-7.4%
72.8%	7,305	6,813	-492	-6.7%
74.1%	7,286	6,769	-517	-7.1%
75.3%	7,256	6,765	-491	-6.8%
76.5%	7,254	6,668	-586	-8.1%
77.8%	7,228	6,653	-574	-7.9%
79.0%	7,147	6,607	-541	-7.6%
80.2%	7,122	6,582	-540	-7.6%
81.5%	7,050	6,566	-484	-6.9%
82.7%	7,016	6,487	-529	-7.5%
84.0%	6,940	6,473	-467	-6.7%
85.2%	6,872	6,462	-411	-6.0%
86.4%	6,806	6,282	-523	-7.7%
87.7%	6,783	6,154	-629	-9.3%
88.9%	6,733	6,094	-639	-9.5%
90.1%	6,694	5,904	-789	-11.8%
91.4%	6,557	5,680	-878	-13.4%
92.6%	6,369	5,525	-844	-13.3%
93.8%	6,322	5,377	-946	-15.0%
95.1%	6,318	5,233	-1,085	-17.2%
96.3%	5,821	5,216	-605	-10.4%
97.5%	5,651	5,110	-541	-9.6%
98.8%	5,380	5,022	-358	-6.7%
100.0%	5,024	5,011	-12	-0.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,596	22,598	2	0.0%
1.2%	19,337	19,339	2	0.0%
2.5%	18,463	18,466	3	0.0%
3.7%	18,153	18,155	2	0.0%
4.9%	17,616	17,616	0	0.0%
6.2%	17,362	17,363	1	0.0%
7.4%	14,874	14,802	-72	-0.5%
8.6%	14,596	14,689	93	0.6%
9.9%	14,329	14,256	-73	-0.5%
11.1%	13,696	13,204	-492	-3.6%
12.3%	13,203	12,532	-672	-5.1%
13.6%	12,531	12,417	-114	-0.9%
14.8%	12,265	12,264	-1	0.0%
16.0%	12,225	12,165	-60	-0.5%
17.3%	12,133	12,133	1	0.0%
18.5%	12,062	12,040	-22	-0.2%
19.8%	11,691	11,725	34	0.3%
21.0%	11,497	11,646	149	1.3%
22.2%	11,382	11,497	115	1.0%
23.5%	11,357	11,361	4	0.0%
24.7%	11,312	11,315	4	0.0%
25.9%	10,585	11,310	724	6.8%
27.2%	10,572	10,553	-19	-0.2%
28.4%	10,483	10,319	-164	-1.6%
29.6%	10,388	9,996	-392	-3.8%
30.9%	10,231	9,915	-317	-3.1%
32.1%	10,177	9,629	-548	-5.4%
33.3%	10,136	9,506	-630	-6.2%
34.6%	10,069	9,135	-934	-9.3%
35.8%	9,956	9,089	-867	-8.7%
37.0%	9,623	8,987	-636	-6.6%
38.3%	9,548	8,981	-567	-5.9%
39.5%	9,509	8,886	-623	-6.6%
40.7%	9,465	8,867	-598	-6.3%
42.0%	9,292	8,750	-542	-5.8%
43.2%	9,083	8,725	-358	-3.9%
44.4%	9,049	8,673	-377	-4.2%
45.7%	8,992	8,569	-424	-4.7%
46.9%	8,986	8,563	-422	-4.7%
48.1%	8,979	8,496	-483	-5.4%
49.4%	8,892	8,488	-404	-4.5%
50.6%	8,866	8,474	-392	-4.4%
51.9%	8,860	8,473	-387	-4.4%
53.1%	8,751	8,371	-380	-4.3%
54.3%	8,622	8,323	-299	-3.5%
55.6%	8,599	8,316	-282	-3.3%
56.8%	8,469	8,305	-164	-1.9%
58.0%	8,449	8,142	-307	-3.6%
59.3%	8,268	8,105	-164	-2.0%
60.5%	8,238	8,098	-140	-1.7%
61.7%	8,173	8,092	-81	-1.0%
63.0%	8,074	8,075	2	0.0%
64.2%	8,064	7,995	-69	-0.9%
65.4%	8,061	7,962	-99	-1.2%
66.7%	8,026	7,855	-171	-2.1%
67.9%	8,005	7,822	-183	-2.3%
69.1%	7,958	7,783	-175	-2.2%
70.4%	7,941	7,777	-164	-2.1%
71.6%	7,859	7,718	-140	-1.8%
72.8%	7,841	7,640	-201	-2.6%
74.1%	7,816	7,634	-181	-2.3%
75.3%	7,759	7,627	-132	-1.7%
76.5%	7,732	7,624	-108	-1.4%
77.8%	7,702	7,525	-177	-2.3%
79.0%	7,691	7,393	-299	-3.9%
80.2%	7,664	7,334	-330	-4.3%
81.5%	7,622	7,242	-380	-5.0%
82.7%	7,612	7,175	-438	-5.7%
84.0%	7,572	7,083	-489	-6.5%
85.2%	7,555	7,077	-478	-6.3%
86.4%	7,493	6,927	-566	-7.6%
87.7%	7,170	6,858	-312	-4.3%
88.9%	7,164	6,752	-412	-5.8%
90.1%	7,147	6,743	-403	-5.6%
91.4%	7,104	6,530	-574	-8.1%
92.6%	6,900	6,411	-489	-7.1%
93.8%	6,834	6,339	-495	-7.2%
95.1%	6,809	6,246	-564	-8.3%
96.3%	6,719	6,129	-590	-8.8%
97.5%	6,356	5,705	-651	-10.2%
98.8%	6,283	5,544	-739	-11.8%
100.0%	6,118	5,428	-690	-11.3%

Table SW-11-7b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,045	2	0.0%
1.2%	17,350	17,350	0	0.0%
2.5%	15,488	15,251	-237	-1.5%
3.7%	15,474	15,156	-318	-2.1%
4.9%	15,121	13,180	-1,941	-12.8%
6.2%	14,805	13,159	-1,646	-11.1%
7.4%	13,967	13,082	-886	-6.3%
8.6%	13,840	12,856	-984	-7.1%
9.9%	13,454	12,733	-721	-5.4%
11.1%	13,235	12,677	-558	-4.2%
12.3%	13,234	12,408	-826	-6.2%
13.6%	13,019	12,408	-611	-4.7%
14.8%	12,908	12,336	-572	-4.4%
16.0%	12,759	12,282	-478	-3.7%
17.3%	12,745	12,214	-531	-4.2%
18.5%	12,674	12,196	-478	-3.8%
19.8%	12,625	12,010	-614	-4.9%
21.0%	12,521	11,965	-556	-4.4%
22.2%	12,493	11,958	-536	-4.3%
23.5%	12,391	11,951	-440	-3.6%
24.7%	12,359	11,902	-456	-3.7%
25.9%	12,351	11,811	-540	-4.4%
27.2%	12,323	11,801	-523	-4.2%
28.4%	12,305	11,750	-555	-4.5%
29.6%	12,235	11,640	-595	-4.9%
30.9%	12,135	11,625	-510	-4.2%
32.1%	12,031	11,622	-409	-3.4%
33.3%	12,014	11,609	-405	-3.4%
34.6%	11,959	11,578	-381	-3.2%
35.8%	11,839	11,522	-316	-2.7%
37.0%	11,817	11,515	-302	-2.6%
38.3%	11,808	11,453	-355	-3.0%
39.5%	11,803	11,423	-380	-3.2%
40.7%	11,756	11,190	-566	-4.8%
42.0%	11,745	11,169	-576	-4.9%
43.2%	11,735	11,086	-648	-5.5%
44.4%	11,711	11,048	-663	-5.7%
45.7%	11,672	11,015	-658	-5.6%
46.9%	11,668	10,967	-702	-6.0%
48.1%	11,546	10,946	-600	-5.2%
49.4%	11,509	10,915	-593	-5.2%
50.6%	11,473	10,891	-582	-5.1%
51.9%	11,451	10,829	-622	-5.4%
53.1%	11,448	10,822	-625	-5.5%
54.3%	11,438	10,820	-617	-5.4%
55.6%	11,420	10,812	-608	-5.3%
56.8%	11,354	10,809	-545	-4.8%
58.0%	11,330	10,785	-545	-4.8%
59.3%	11,279	10,749	-530	-4.7%
60.5%	11,266	10,738	-528	-4.7%
61.7%	11,258	10,726	-531	-4.7%
63.0%	11,255	10,599	-656	-5.8%
64.2%	11,228	10,561	-667	-5.9%
65.4%	11,227	10,530	-697	-6.2%
66.7%	11,214	10,475	-739	-6.6%
67.9%	11,120	10,469	-651	-5.9%
69.1%	10,966	10,467	-499	-4.6%
70.4%	10,950	10,379	-571	-5.2%
71.6%	10,921	10,345	-575	-5.3%
72.8%	10,873	10,305	-568	-5.2%
74.1%	10,641	10,297	-344	-3.2%
75.3%	10,609	10,245	-364	-3.4%
76.5%	10,600	10,240	-360	-3.4%
77.8%	10,549	10,212	-337	-3.2%
79.0%	10,507	10,200	-307	-2.9%
80.2%	10,444	10,185	-259	-2.5%
81.5%	10,359	10,171	-188	-1.8%
82.7%	10,334	10,161	-174	-1.7%
84.0%	10,228	10,071	-157	-1.5%
85.2%	10,155	9,961	-194	-1.9%
86.4%	10,111	9,770	-341	-3.4%
87.7%	10,048	9,652	-396	-3.9%
88.9%	10,039	9,645	-394	-3.9%
90.1%	10,016	9,580	-436	-4.4%
91.4%	9,858	9,508	-350	-3.6%
92.6%	9,853	9,422	-432	-4.4%
93.8%	9,811	9,299	-511	-5.2%
95.1%	9,657	9,183	-474	-4.9%
96.3%	9,601	8,883	-718	-7.5%
97.5%	8,461	8,692	231	2.7%
98.8%	8,032	8,557	525	6.5%
100.0%	8,015	8,492	477	6.0%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,021	17,022	1	0.0%
1.2%	16,939	16,925	-15	-0.1%
2.5%	16,320	16,391	71	0.4%
3.7%	15,597	15,973	377	2.4%
4.9%	15,434	15,841	407	2.6%
6.2%	15,395	15,829	434	2.8%
7.4%	15,362	15,739	377	2.5%
8.6%	15,324	15,580	256	1.7%
9.9%	15,321	15,475	155	1.0%
11.1%	15,320	15,309	-11	-0.1%
12.3%	15,281	15,088	-194	-1.3%
13.6%	15,205	15,070	-135	-0.9%
14.8%	15,171	15,041	-130	-0.9%
16.0%	15,092	15,012	-80	-0.5%
17.3%	15,031	14,937	-94	-0.6%
18.5%	15,018	14,908	-110	-0.7%
19.8%	15,008	14,902	-106	-0.7%
21.0%	14,977	14,872	-106	-0.7%
22.2%	14,960	14,867	-93	-0.6%
23.5%	14,941	14,696	-245	-1.6%
24.7%	14,908	14,664	-245	-1.6%
25.9%	14,899	14,573	-326	-2.2%
27.2%	14,870	14,496	-374	-2.5%
28.4%	14,783	14,475	-308	-2.1%
29.6%	14,772	14,253	-518	-3.5%
30.9%	14,679	14,238	-441	-3.0%
32.1%	14,480	14,227	-253	-1.7%
33.3%	14,460	13,909	-552	-3.8%
34.6%	14,421	13,899	-523	-3.6%
35.8%	14,212	13,854	-358	-2.5%
37.0%	14,145	13,833	-312	-2.2%
38.3%	14,092	13,816	-276	-2.0%
39.5%	14,041	13,591	-449	-3.2%
40.7%	14,027	13,466	-561	-4.0%
42.0%	13,901	13,457	-444	-3.2%
43.2%	13,866	13,426	-440	-3.2%
44.4%	13,591	13,385	-206	-1.5%
45.7%	13,564	13,300	-264	-1.9%
46.9%	13,545	13,261	-285	-2.1%
48.1%	13,489	13,218	-271	-2.0%
49.4%	13,448	13,141	-307	-2.3%
50.6%	13,397	13,114	-283	-2.1%
51.9%	13,363	13,102	-261	-2.0%
53.1%	13,315	12,909	-406	-3.1%
54.3%	13,291	12,902	-388	-2.9%
55.6%	13,175	12,849	-326	-2.5%
56.8%	13,125	12,836	-290	-2.2%
58.0%	13,104	12,763	-340	-2.6%
59.3%	13,079	12,723	-356	-2.7%
60.5%	13,071	12,677	-395	-3.0%
61.7%	13,009	12,629	-380	-2.9%
63.0%	12,853	12,618	-235	-1.8%
64.2%	12,790	12,613	-177	-1.4%
65.4%	12,710	12,604	-106	-0.8%
66.7%	12,657	12,603	-54	-0.4%
67.9%	12,487	12,553	66	0.5%
69.1%	12,464	12,427	-37	-0.3%
70.4%	12,406	12,327	-78	-0.6%
71.6%	12,405	12,282	-123	-1.0%
72.8%	12,403	12,271	-131	-1.1%
74.1%	12,386	12,232	-154	-1.2%
75.3%	12,360	12,215	-145	-1.2%
76.5%	12,336	12,177	-159	-1.3%
77.8%	12,320	12,132	-188	-1.5%
79.0%	12,155	12,002	-153	-1.3%
80.2%	12,130	11,943	-187	-1.5%
81.5%	12,099	11,931	-168	-1.4%
82.7%	11,898	11,807	-92	-0.8%
84.0%	11,579	11,784	205	1.8%
85.2%	11,472	11,783	311	2.7%
86.4%	11,450	11,707	258	2.2%
87.7%	11,409	11,702	293	2.6%
88.9%	11,334	11,679	345	3.0%
90.1%	11,024	11,673	649	5.9%
91.4%	10,935	11,616	681	6.2%
92.6%	10,851	11,085	235	2.2%
93.8%	10,844	11,025	181	1.7%
95.1%	10,743	10,452	-291	-2.7%
96.3%	10,604	10,273	-330	-3.1%
97.5%	10,317	10,032	-284	-2.8%
98.8%	9,776	9,712	-65	-0.7%
100.0%	8,895	9,224	330	3.7%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,735	14,736	1	0.0%
1.2%	13,942	14,490	548	3.9%
2.5%	13,922	13,937	16	0.1%
3.7%	13,739	13,729	-11	-0.1%
4.9%	13,725	13,339	-385	-2.8%
6.2%	13,606	13,206	-400	-2.9%
7.4%	13,569	12,626	-943	-7.0%
8.6%	13,206	12,581	-624	-4.7%
9.9%	12,741	12,562	-178	-1.4%
11.1%	12,673	12,557	-116	-0.9%
12.3%	12,537	12,528	-10	-0.1%
13.6%	12,438	12,311	-127	-1.0%
14.8%	12,340	12,121	-219	-1.8%
16.0%	12,252	12,042	-210	-1.7%
17.3%	12,151	12,019	-132	-1.1%
18.5%	11,955	11,872	-82	-0.7%
19.8%	11,841	11,810	-31	-0.3%
21.0%	11,691	11,657	-34	-0.3%
22.2%	11,601	11,514	-86	-0.7%
23.5%	11,588	11,481	-107	-0.9%
24.7%	11,443	11,346	-96	-0.8%
25.9%	11,434	11,227	-207	-1.8%
27.2%	11,301	11,177	-124	-1.1%
28.4%	11,208	11,055	-153	-1.4%
29.6%	11,206	10,956	-251	-2.2%
30.9%	11,183	10,952	-231	-2.1%
32.1%	11,132	10,863	-269	-2.4%
33.3%	11,053	10,680	-373	-3.4%
34.6%	11,048	10,669	-379	-3.4%
35.8%	10,995	10,666	-329	-3.0%
37.0%	10,989	10,618	-371	-3.4%
38.3%	10,950	10,592	-358	-3.3%
39.5%	10,930	10,529	-402	-3.7%
40.7%	10,930	10,491	-439	-4.0%
42.0%	10,914	10,442	-472	-4.3%
43.2%	10,898	10,376	-521	-4.8%
44.4%	10,885	10,324	-561	-5.2%
45.7%	10,852	10,308	-544	-5.0%
46.9%	10,811	10,269	-542	-5.0%
48.1%	10,736	10,224	-512	-4.8%
49.4%	10,674	10,208	-466	-4.4%
50.6%	10,649	10,120	-529	-5.0%
51.9%	10,630	10,075	-555	-5.2%
53.1%	10,593	10,071	-522	-4.9%
54.3%	10,492	10,040	-452	-4.3%
55.6%	10,462	10,038	-424	-4.1%
56.8%	10,351	9,975	-376	-3.6%
58.0%	10,334	9,961	-374	-3.6%
59.3%	10,334	9,925	-409	-4.0%
60.5%	10,227	9,915	-313	-3.1%
61.7%	10,203	9,904	-299	-2.9%
63.0%	10,198	9,808	-390	-3.8%
64.2%	10,125	9,807	-319	-3.1%
65.4%	10,078	9,793	-285	-2.8%
66.7%	9,991	9,786	-206	-2.1%
67.9%	9,913	9,763	-150	-1.5%
69.1%	9,893	9,721	-172	-1.7%
70.4%	9,835	9,705	-129	-1.3%
71.6%	9,823	9,695	-128	-1.3%
72.8%	9,798	9,688	-110	-1.1%
74.1%	9,707	9,676	-31	-0.3%
75.3%	9,659	9,667	9	0.1%
76.5%	9,614	9,662	48	0.5%
77.8%	9,469	9,597	128	1.3%
79.0%	9,462	9,527	64	0.7%
80.2%	9,406	9,520	113	1.2%
81.5%	9,203	9,500	297	3.2%
82.7%	9,195	9,460	266	2.9%
84.0%	9,127	9,421	294	3.2%
85.2%	9,088	9,390	302	3.3%
86.4%	9,081	9,329	247	2.7%
87.7%	9,061	9,320	259	2.9%
88.9%	8,977	9,319	342	3.8%
90.1%	8,892	9,267	375	4.2%
91.4%	8,856	9,242	386	4.4%
92.6%	8,702	9,236	534	6.1%
93.8%	8,666	8,978	312	3.6%
95.1%	8,658	8,865	207	2.4%
96.3%	8,584	8,420	-164	-1.9%
97.5%	8,264	8,298	35	0.4%
98.8%	7,686	7,957	271	3.5%
100.0%	7,375	7,914	539	7.3%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,774	15,241	-1,533	-9.1%
1.2%	15,495	14,871	-624	-4.0%
2.5%	15,276	14,714	-562	-3.7%
3.7%	15,182	14,335	-848	-5.6%
4.9%	15,152	14,096	-1,056	-7.0%
6.2%	14,779	14,056	-723	-4.9%
7.4%	13,926	13,964	38	0.3%
8.6%	13,864	13,877	13	0.1%
9.9%	13,501	13,814	313	2.3%
11.1%	13,438	13,706	268	2.0%
12.3%	13,376	13,521	145	1.1%
13.6%	13,290	13,327	37	0.3%
14.8%	13,217	13,291	74	0.6%
16.0%	13,177	12,441	-736	-5.6%
17.3%	12,779	12,336	-443	-3.5%
18.5%	12,769	12,029	-740	-5.8%
19.8%	12,525	11,620	-905	-7.2%
21.0%	12,507	11,598	-909	-7.3%
22.2%	12,136	11,574	-562	-4.6%
23.5%	12,020	11,462	-558	-4.6%
24.7%	11,717	11,425	-292	-2.5%
25.9%	11,467	11,068	-399	-3.5%
27.2%	10,974	10,971	-3	0.0%
28.4%	10,941	10,747	-195	-1.8%
29.6%	10,465	9,820	-645	-6.2%
30.9%	10,056	9,806	-250	-2.5%
32.1%	9,977	9,503	-475	-4.8%
33.3%	9,958	9,382	-576	-5.8%
34.6%	9,575	9,375	-200	-2.1%
35.8%	9,470	7,901	-1,569	-16.6%
37.0%	9,222	7,753	-1,470	-15.9%
38.3%	8,940	7,530	-1,410	-15.8%
39.5%	8,934	7,338	-1,597	-17.9%
40.7%	8,306	7,308	-998	-12.0%
42.0%	7,604	7,193	-411	-5.4%
43.2%	7,217	6,982	-235	-3.2%
44.4%	7,183	6,979	-204	-2.8%
45.7%	7,143	6,873	-270	-3.8%
46.9%	7,113	6,865	-247	-3.5%
48.1%	7,057	6,591	-466	-6.6%
49.4%	6,913	6,591	-322	-4.7%
50.6%	6,855	6,556	-299	-4.4%
51.9%	6,830	6,518	-312	-4.6%
53.1%	6,700	6,444	-256	-3.8%
54.3%	6,415	6,439	24	0.4%
55.6%	6,394	6,356	-38	-0.6%
56.8%	6,370	6,352	-18	-0.3%
58.0%	6,322	6,343	20	0.3%
59.3%	6,227	6,333	107	1.7%
60.5%	6,207	6,294	87	1.4%
61.7%	6,141	6,178	36	0.6%
63.0%	6,133	6,141	8	0.1%
64.2%	6,122	6,135	13	0.2%
65.4%	6,032	6,085	53	0.9%
66.7%	6,027	6,008	-19	-0.3%
67.9%	6,019	5,984	-35	-0.6%
69.1%	5,995	5,922	-73	-1.2%
70.4%	5,991	5,853	-138	-2.3%
71.6%	5,823	5,852	30	0.5%
72.8%	5,806	5,796	-9	-0.2%
74.1%	5,792	5,793	1	0.0%
75.3%	5,751	5,787	35	0.6%
76.5%	5,736	5,780	44	0.8%
77.8%	5,708	5,763	55	1.0%
79.0%	5,636	5,758	122	2.2%
80.2%	5,514	5,745	231	4.2%
81.5%	5,510	5,671	161	2.9%
82.7%	5,427	5,597	170	3.1%
84.0%	5,345	5,414	69	1.3%
85.2%	5,238	5,399	160	3.1%
86.4%	5,214	5,395	181	3.5%
87.7%	5,176	5,390	214	4.1%
88.9%	5,048	5,372	324	6.4%
90.1%	4,943	5,313	370	7.5%
91.4%	4,868	4,921	53	1.1%
92.6%	4,634	4,814	180	3.9%
93.8%	4,577	4,775	198	4.3%
95.1%	4,529	4,716	187	4.1%
96.3%	4,509	4,542	33	0.7%
97.5%	4,373	4,525	152	3.5%
98.8%	4,353	4,519	165	3.8%
100.0%	4,127	4,491	364	8.8%

Table SW-12-7a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative C	6,929	8,765	11,566	14,323	17,182	13,364	9,991	9,201	10,904	12,845	9,966	8,154
Difference	-80	146	41	-940	-843	-1,260	-575	-304	-139	230	-86	-182
Percent Difference[3]	-1.1%	1.7%	0.4%	-6.2%	-4.7%	-8.6%	-5.4%	-3.2%	-1.3%	1.8%	-0.9%	-2.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative C	8,393	11,203	11,985	26,673	29,403	24,421	15,006	11,932	11,709	12,285	10,059	12,336
Difference	283	38	-89	-1,036	-868	-800	-206	6	733	61	-246	-281
Percent Difference	3.5%	0.3%	-0.7%	-3.7%	-2.9%	-3.2%	-1.4%	0.1%	6.7%	0.5%	-2.4%	-2.2%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative C	6,981	10,935	11,863	14,216	22,253	14,422	9,813	9,417	10,845	13,837	9,465	7,735
Difference	93	350	50	-2,100	-1,209	-1,624	-499	-24	-296	596	-491	-684
Percent Difference	1.3%	3.3%	0.4%	-12.9%	-5.2%	-10.1%	-4.8%	-0.3%	-2.7%	4.5%	-4.9%	-8.1%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative C	6,751	7,759	13,172	8,186	10,972	7,261	8,172	8,011	10,190	13,117	9,249	5,797
Difference	426	364	125	-1,145	-864	-1,681	-204	-215	-644	754	-461	151
Percent Difference	6.7%	4.9%	1.0%	-12.3%	-7.3%	-18.8%	-2.4%	-2.6%	-5.9%	6.1%	-4.7%	2.7%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative C	5,830	6,997	13,147	6,826	8,421	6,814	6,603	7,615	10,651	13,064	10,405	6,065
Difference	-833	285	382	-291	-704	-1,643	-1,127	-708	-683	24	-27	63
Percent Difference	-12.5%	4.2%	3.0%	-4.1%	-7.7%	-19.4%	-14.6%	-8.5%	-6.0%	0.2%	-0.3%	1.1%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative C	5,560	5,142	6,116	6,077	6,017	5,297	6,507	6,832	10,436	12,421	10,447	5,399
Difference	-497	-285	-298	-306	-608	-827	-1,058	-753	-467	-73	1,016	-220
Percent Difference	-8.2%	-5.2%	-4.6%	-4.8%	-9.2%	-13.5%	-14.0%	-9.9%	-4.3%	-0.6%	10.8%	-3.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-12-7b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

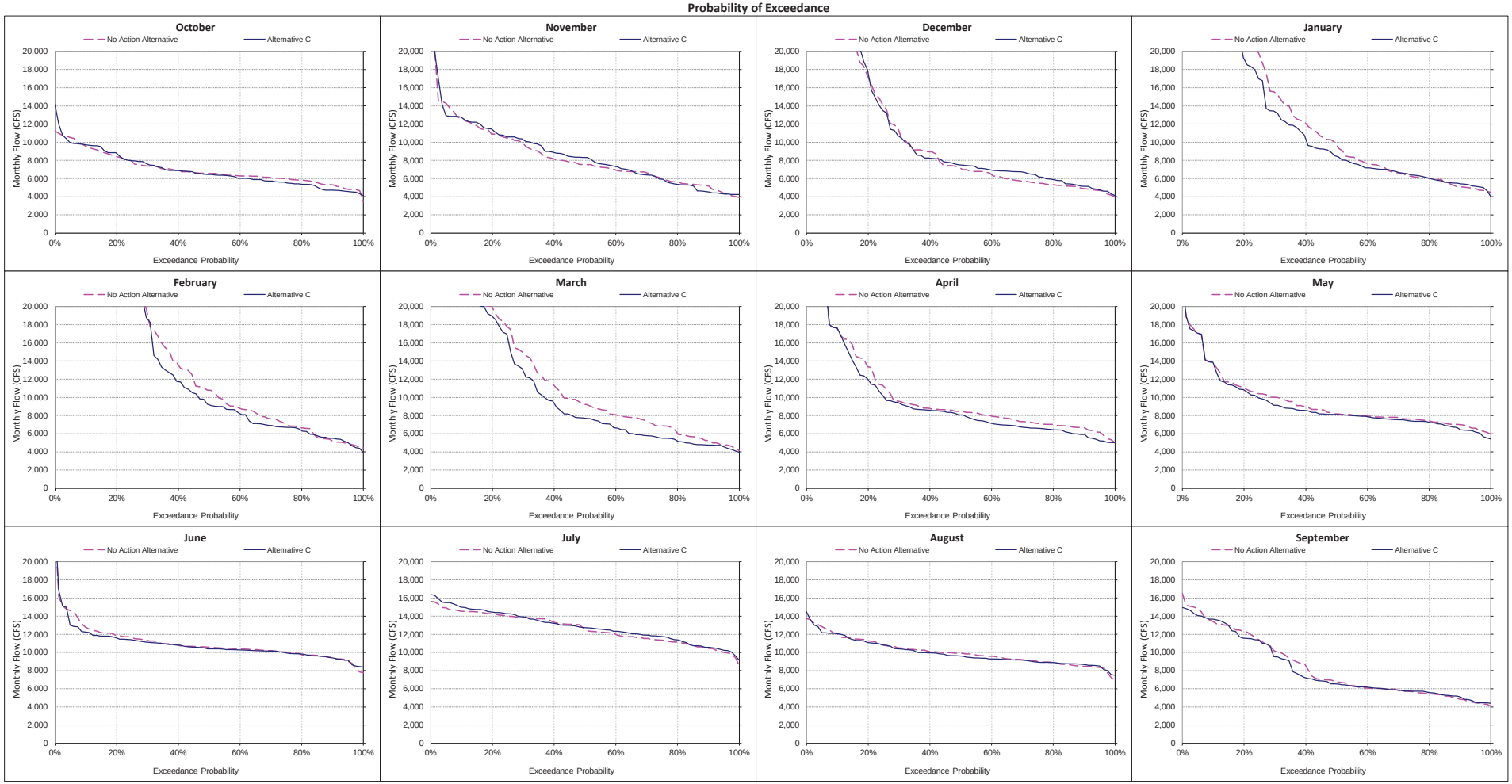

Table SW-12-7b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	14,115	2,881	25.6%
1.2%	10,967	11,965	998	9.1%
2.5%	10,748	10,767	20	0.2%
3.7%	10,673	10,378	-295	-2.8%
4.9%	10,532	9,928	-603	-5.7%
6.2%	10,406	9,866	-540	-5.2%
7.4%	9,911	9,834	-77	-0.8%
8.6%	9,860	9,763	-98	-1.0%
9.9%	9,573	9,740	167	1.7%
11.1%	9,412	9,674	262	2.8%
12.3%	9,271	9,613	343	3.7%
13.6%	9,162	9,608	446	4.9%
14.8%	8,923	9,515	592	6.6%
16.0%	8,855	9,036	181	2.0%
17.3%	8,703	8,862	159	1.8%
18.5%	8,581	8,859	277	3.2%
19.8%	8,400	8,841	441	5.2%
21.0%	8,335	8,473	139	1.7%
22.2%	8,165	8,179	14	0.2%
23.5%	8,026	8,042	16	0.2%
24.7%	7,987	7,970	-18	-0.2%
25.9%	7,578	7,945	368	4.9%
27.2%	7,566	7,887	322	4.2%
28.4%	7,443	7,869	427	5.7%
29.6%	7,403	7,645	243	3.3%
30.9%	7,384	7,482	97	1.3%
32.1%	7,369	7,452	83	1.1%
33.3%	7,273	7,290	16	0.2%
34.6%	7,103	7,209	106	1.5%
35.8%	7,092	6,981	-112	-1.6%
37.0%	7,075	6,907	-168	-2.4%
38.3%	6,976	6,897	-79	-1.1%
39.5%	6,881	6,894	13	0.2%
40.7%	6,767	6,836	70	1.0%
42.0%	6,759	6,827	68	1.0%
43.2%	6,751	6,781	30	0.4%
44.4%	6,678	6,768	90	1.4%
45.7%	6,652	6,573	-79	-1.2%
46.9%	6,602	6,567	-34	-0.5%
48.1%	6,592	6,483	-109	-1.7%
49.4%	6,578	6,460	-118	-1.8%
50.6%	6,562	6,456	-106	-1.6%
51.9%	6,551	6,401	-150	-2.3%
53.1%	6,516	6,380	-136	-2.1%
54.3%	6,432	6,369	-63	-1.0%
55.6%	6,359	6,336	-24	-0.4%
56.8%	6,352	6,294	-58	-0.9%
58.0%	6,343	6,230	-113	-1.8%
59.3%	6,312	6,041	-271	-4.3%
60.5%	6,288	6,029	-259	-4.1%
61.7%	6,284	6,025	-258	-4.1%
63.0%	6,282	6,003	-279	-4.4%
64.2%	6,263	5,903	-360	-5.7%
65.4%	6,241	5,889	-352	-5.6%
66.7%	6,186	5,879	-307	-5.0%
67.9%	6,155	5,751	-405	-6.6%
69.1%	6,137	5,724	-412	-6.7%
70.4%	6,063	5,713	-351	-5.8%
71.6%	6,059	5,643	-416	-6.9%
72.8%	6,023	5,608	-414	-6.9%
74.1%	6,003	5,602	-402	-6.7%
75.3%	5,989	5,509	-480	-8.0%
76.5%	5,904	5,465	-438	-7.4%
77.8%	5,860	5,426	-435	-7.4%
79.0%	5,845	5,425	-420	-7.2%
80.2%	5,845	5,360	-485	-8.3%
81.5%	5,778	5,354	-424	-7.3%
82.7%	5,720	5,325	-395	-6.9%
84.0%	5,602	5,248	-355	-6.3%
85.2%	5,522	5,007	-515	-9.3%
86.4%	5,387	4,831	-556	-10.3%
87.7%	5,345	4,718	-628	-11.7%
88.9%	5,327	4,714	-613	-11.5%
90.1%	5,301	4,713	-588	-11.1%
91.4%	5,150	4,703	-447	-8.7%
92.6%	5,082	4,670	-412	-8.1%
93.8%	4,907	4,639	-268	-5.5%
95.1%	4,798	4,560	-239	-5.0%
96.3%	4,790	4,531	-258	-5.4%
97.5%	4,764	4,504	-260	-5.4%
98.8%	4,673	4,322	-351	-7.5%
100.0%	3,452	4,092	641	18.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	34,960	-1,431	-3.9%
1.2%	20,440	20,111	-329	-1.6%
2.5%	14,550	17,019	2,468	17.0%
3.7%	14,481	14,165	-316	-2.2%
4.9%	14,307	12,920	-1,387	-9.7%
6.2%	13,757	12,854	-903	-6.6%
7.4%	13,366	12,849	-517	-3.9%
8.6%	12,788	12,846	59	0.5%
9.9%	12,591	12,774	183	1.5%
11.1%	12,356	12,446	91	0.7%
12.3%	12,239	12,266	27	0.2%
13.6%	11,992	12,200	207	1.7%
14.8%	11,841	12,198	357	3.0%
16.0%	11,510	11,967	457	4.0%
17.3%	11,403	11,574	171	1.5%
18.5%	11,402	11,496	94	0.8%
19.8%	10,888	11,453	565	5.2%
21.0%	10,881	11,074	193	1.8%
22.2%	10,744	10,799	55	0.5%
23.5%	10,586	10,786	200	1.9%
24.7%	10,483	10,592	109	1.0%
25.9%	10,463	10,584	121	1.2%
27.2%	10,187	10,578	391	3.8%
28.4%	10,169	10,421	252	2.5%
29.6%	9,987	10,365	377	3.8%
30.9%	9,513	10,081	568	6.0%
32.1%	9,294	10,020	726	7.8%
33.3%	9,132	9,862	730	8.0%
34.6%	9,057	9,798	741	8.2%
35.8%	8,775	9,604	830	9.5%
37.0%	8,363	8,988	625	7.5%
38.3%	8,321	8,982	662	8.0%
39.5%	8,211	8,901	690	8.4%
40.7%	8,076	8,805	729	9.0%
42.0%	8,013	8,760	747	9.3%
43.2%	7,979	8,644	665	8.3%
44.4%	7,877	8,474	597	7.6%
45.7%	7,770	8,397	627	8.1%
46.9%	7,750	8,354	604	7.8%
48.1%	7,558	8,353	796	10.5%
49.4%	7,550	8,318	768	10.2%
50.6%	7,545	8,309	764	10.1%
51.9%	7,535	8,127	592	7.9%
53.1%	7,354	7,828	475	6.5%
54.3%	7,284	7,649	365	5.0%
55.6%	7,231	7,591	360	5.0%
56.8%	7,198	7,547	349	4.8%
58.0%	7,109	7,455	346	4.9%
59.3%	7,026	7,365	339	4.8%
60.5%	6,867	7,292	425	6.2%
61.7%	6,820	7,081	261	3.8%
63.0%	6,787	7,023	236	3.5%
64.2%	6,781	6,950	170	2.5%
65.4%	6,770	6,791	21	0.3%
66.7%	6,745	6,574	-171	-2.5%
67.9%	6,728	6,472	-257	-3.8%
69.1%	6,715	6,429	-286	-4.3%
70.4%	6,580	6,381	-199	-3.0%
71.6%	6,355	6,364	8	0.1%
72.8%	6,231	6,213	-18	-0.3%
74.1%	6,101	5,934	-167	-2.7%
75.3%	5,887	5,919	32	0.5%
76.5%	5,806	5,604	-202	-3.5%
77.8%	5,668	5,497	-171	-3.0%
79.0%	5,632	5,403	-229	-4.1%
80.2%	5,627	5,360	-267	-4.7%
81.5%	5,454	5,309	-145	-2.7%
82.7%	5,412	5,290	-122	-2.3%
84.0%	5,382	5,274	-108	-2.0%
85.2%	5,372	5,155	-217	-4.0%
86.4%	5,302	4,646	-656	-12.4%
87.7%	5,290	4,645	-645	-12.2%
88.9%	5,237	4,589	-648	-12.4%
90.1%	5,165	4,515	-650	-12.6%
91.4%	4,789	4,422	-367	-7.7%
92.6%	4,735	4,412	-323	-6.8%
93.8%	4,569	4,368	-201	-4.4%
95.1%	4,363	4,314	-50	-1.1%
96.3%	4,241	4,308	67	1.6%
97.5%	4,111	4,258	147	3.6%
98.8%	4,018	4,238	220	5.5%
100.0%	3,921	4,232	311	7.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	1	0.0%
1.2%	41,516	39,714	-1,802	-4.3%
2.5%	35,067	34,125	-942	-2.7%
3.7%	34,216	32,932	-1,284	-3.8%
4.9%	33,579	31,755	-1,825	-5.4%
6.2%	31,369	30,681	-688	-2.2%
7.4%	29,999	28,786	-1,214	-4.0%
8.6%	29,836	26,042	-3,794	-12.7%
9.9%	25,158	25,892	734	2.9%
11.1%	23,886	22,943	-943	-3.9%
12.3%	22,411	21,736	-675	-3.0%
13.6%	21,681	21,466	-215	-1.0%
14.8%	21,471	21,113	-358	-1.7%
16.0%	20,363	20,763	400	2.0%
17.3%	18,832	20,337	1,504	8.0%
18.5%	18,360	18,867	507	2.8%
19.8%	17,352	17,919	567	3.3%
21.0%	16,368	15,729	-639	-3.9%
22.2%	15,339	14,906	-434	-2.8%
23.5%	14,905	14,074	-831	-5.6%
24.7%	14,163	13,474	-690	-4.9%
25.9%	13,589	13,221	-368	-2.7%
27.2%	12,050	11,411	-639	-5.3%
28.4%	11,913	11,297	-616	-5.2%
29.6%	11,594	10,729	-865	-7.5%
30.9%	10,337	10,427	90	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,788	93	1.0%
34.6%	9,158	9,165	6	0.1%
35.8%	9,152	8,573	-579	-6.3%
37.0%	9,145	8,532	-613	-6.7%
38.3%	8,968	8,260	-708	-7.9%
39.5%	8,966	8,259	-707	-7.9%
40.7%	8,923	8,217	-706	-7.9%
42.0%	8,719	8,185	-534	-6.1%
43.2%	7,848	8,152	305	3.9%
44.4%	7,474	7,847	374	5.0%
45.7%	7,418	7,778	360	4.9%
46.9%	7,413	7,741	328	4.4%
48.1%	7,382	7,608	226	3.1%
49.4%	7,271	7,499	228	3.1%
50.6%	6,970	7,493	524	7.5%
51.9%	6,966	7,426	460	6.6%
53.1%	6,815	7,386	572	8.4%
54.3%	6,797	7,384	587	8.6%
55.6%	6,787	7,117	330	4.9%
56.8%	6,778	7,110	332	4.9%
58.0%	6,705	7,063	358	5.3%
59.3%	6,610	6,974	363	5.5%
60.5%	6,284	6,906	623	9.9%
61.7%	6,248	6,875	627	10.0%
63.0%	6,163	6,851	688	11.2%
64.2%	6,003	6,845	843	14.0%
65.4%	5,962	6,803	842	14.1%
66.7%	5,853	6,780	927	15.8%
67.9%	5,818	6,767	949	16.3%
69.1%	5,737	6,763	1,026	17.9%
70.4%	5,709	6,696	987	17.3%
71.6%	5,681	6,564	884	15.6%
72.8%	5,573	6,465	892	16.0%
74.1%	5,539	6,452	913	16.5%
75.3%	5,475	6,165	690	12.6%
76.5%	5,468	6,152	684	12.5%
77.8%	5,369	5,980	611	11.4%
79.0%	5,351	5,959	608	11.4%
80.2%	5,314	5,861	547	10.3%
81.5%	5,250	5,772	522	9.9%
82.7%	5,245	5,767	522	9.9%
84.0%	5,163	5,423	260	5.0%
85.2%	5,162	5,419	258	5.0%
86.4%	5,136	5,350	214	4.2%
87.7%	5,126	5,267	141	2.8%
88.9%	4,935	5,159	225	4.6%
90.1%	4,894	5,141	247	5.0%
91.4%	4,821	5,140	319	6.6%
92.6%	4,778	4,918	140	2.9%
93.8%	4,718	4,844	127	2.7%
95.1%	4,677	4,734	57	1.2%
96.3%	4,608	4,607	-1	0.0%
97.5%	4,306	4,606	301	7.0%
98.8%	4,147	4,307	160	3.9%
100.0%	3,977	4,144	166	4.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,092	75,974	-2,118	-2.7%
1.2%	57,390	57,392	2	0.0%
2.5%	52,217	50,110	-2,106	-4.0%
3.7%	51,046	48,931	-2,115	-4.1%
4.9%	43,122	43,306	183	0.4%
6.2%	41,929	38,936	-2,994	-7.1%
7.4%	40,889	38,759	-2,131	-5.2%
8.6%	35,251	37,955	2,704	7.7%
9.9%	32,236	30,869	-1,367	-4.2%
11.1%	30,871	30,115	-756	-2.5%
12.3%	27,604	25,985	-1,619	-5.9%
13.6%	27,045	25,271	-1,774	-6.6%
14.8%	27,041	24,766	-2,275	-8.4%
16.0%	26,882	24,415	-2,467	-9.2%
17.3%	26,112	22,947	-3,165	-12.1%
18.5%	23,617	21,488	-2,129	-9.0%
19.8%	22,945	19,286	-3,660	-15.9%
21.0%	21,167	18,508	-2,659	-12.6%
22.2%	20,626	18,306	-2,321	-11.3%
23.5%	20,445	18,020	-2,425	-11.9%
24.7%	19,839	16,966	-2,872	-14.5%
25.9%	18,772	16,784	-1,988	-10.6%
27.2%	17,647	13,717	-3,930	-22.3%
28.4%	15,596	13,472	-2,124	-13.6%
29.6%	15,562	13,440	-2,123	-13.6%
30.9%	15,203	13,157	-2,046	-13.5%
32.1%	14,569	12,453	-2,116	-14.5%
33.3%	14,023	12,265	-1,758	-12.5%
34.6%	13,976	11,894	-2,082	-14.9%
35.8%	12,934	11,854	-1,081	-8.4%
37.0%	12,561	11,611	-950	-7.6%
38.3%	12,405	11,201	-1,203	-9.7%
39.5%	12,265	10,808	-1,457	-11.9%
40.7%	11,742	9,625	-2,118	-18.0%
42.0%	11,388	9,539	-1,850	-16.2%
43.2%	11,201	9,356	-1,845	-16.5%
44.4%	10,740	9,263	-1,477	-13.8%
45.7%	10,472	9,255	-1,218	-11.6%
46.9%	10,301	9,163	-1,138	-11.0%
48.1%	10,270	8,920	-1,351	-13.2%
49.4%	10,000	8,525	-1,476	-14.8%
50.6%	9,337	8,369	-968	-10.4%
51.9%	9,033	8,038	-995	-11.0%
53.1%	8,455	8,007	-447	-5.3%
54.3%	8,378	7,823	-555	-6.6%
55.6%	8,361	7,662	-699	-8.4%
56.8%	8,043	7,567	-476	-5.9%
58.0%	7,922	7,396	-527	-6.6%
59.3%	7,744	7,169	-575	-7.4%
60.5%	7,620	7,164	-456	-6.0%
61.7%	7,540	7,107	-433	-5.7%
63.0%	7,508	7,055	-453	-6.0%
64.2%	7,308	7,013	-295	-4.0%
65.4%	7,220	7,009	-211	-2.9%
66.7%	6,860	6,997	137	2.0%
67.9%	6,766	6,858	92	1.4%
69.1%	6,650	6,778	128	1.9%
70.4%	6,619	6,659	40	0.6%
71.6%	6,530	6,588	57	0.9%
72.8%	6,314	6,531	216	3.4%
74.1%	6,244	6,384	140	2.2%
75.3%	6,172	6,359	187	3.0%
76.5%	6,154	6,301	147	2.4%
77.8%	6,107	6,226	119	1.9%
79.0%	6,074	6,103	29	0.5%
80.2%	6,033	5,999	-34	-0.6%
81.5%	6,001	5,886	-115	-1.9%
82.7%	5,888	5,801	-86	-1.5%
84.0%	5,885	5,745	-139	-2.4%
85.2%	5,483	5,591	108	2.0%
86.4%	5,464	5,547	83	1.5%
87.7%	5,282	5,515	233	4.4%
88.9%	5,128	5,508	379	7.4%
90.1%	5,079	5,413	334	6.6%
91.4%	5,040	5,389	349	6.9%
92.6%	4,997	5,334	338	6.8%
93.8%	4,941	5,207	266	5.4%
95.1%	4,886	5,125	239	4.9%
96.3%	4,727	5,071	344	7.3%
97.5%	4,692	4,993	301	6.4%
98.8%	4,608	4,635	27	0.6%
100.0%	4,463	3,962	-501	-11.2%

Table SW-12-7b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	72,222	-2,124	-2.9%
1.2%	63,776	66,649	2,873	4.5%
2.5%	63,339	63,853	514	0.8%
3.7%	55,701	55,699	-2	0.0%
4.9%	48,307	47,901	-406	-0.8%
6.2%	47,665	47,714	49	0.1%
7.4%	46,014	45,075	-938	-2.0%
8.6%	44,215	43,523	-692	-1.6%
9.9%	43,520	42,134	-1,386	-3.2%
11.1%	42,318	40,909	-1,409	-3.3%
12.3%	39,842	40,569	726	1.8%
13.6%	39,837	37,725	-2,112	-5.3%
14.8%	38,278	36,174	-2,104	-5.5%
16.0%	33,017	32,937	-80	-0.2%
17.3%	32,937	31,911	-1,026	-3.1%
18.5%	31,197	29,078	-2,119	-6.8%
19.8%	30,223	28,952	-1,271	-4.2%
21.0%	28,064	25,943	-2,121	-7.6%
22.2%	27,321	25,209	-2,112	-7.7%
23.5%	24,548	22,510	-2,038	-8.3%
24.7%	24,343	21,691	-2,652	-10.9%
25.9%	23,544	21,689	-1,855	-7.9%
27.2%	20,903	21,421	518	2.5%
28.4%	20,834	20,835	2	0.0%
29.6%	19,774	18,792	-982	-5.0%
30.9%	17,823	18,271	448	2.5%
32.1%	17,423	14,613	-2,811	-16.1%
33.3%	16,767	14,201	-2,565	-15.3%
34.6%	15,985	13,342	-2,643	-16.5%
35.8%	15,464	13,015	-2,449	-15.8%
37.0%	15,145	12,747	-2,399	-15.8%
38.3%	14,009	12,475	-1,534	-10.9%
39.5%	13,805	11,745	-2,061	-14.9%
40.7%	13,192	11,687	-1,505	-11.4%
42.0%	13,023	11,078	-1,945	-14.9%
43.2%	12,985	10,895	-2,090	-16.1%
44.4%	12,511	10,518	-1,993	-15.9%
45.7%	11,237	10,388	-849	-7.6%
46.9%	11,170	9,826	-1,344	-12.0%
48.1%	11,117	9,798	-1,319	-11.9%
49.4%	10,802	9,254	-1,548	-14.3%
50.6%	10,784	9,111	-1,673	-15.5%
51.9%	10,516	9,012	-1,504	-14.3%
53.1%	9,976	8,993	-983	-9.9%
54.3%	9,827	8,990	-837	-8.5%
55.6%	9,296	8,681	-615	-6.6%
56.8%	9,048	8,667	-380	-4.2%
58.0%	9,031	8,660	-371	-4.1%
59.3%	8,875	8,356	-519	-5.9%
60.5%	8,716	8,106	-610	-7.0%
61.7%	8,652	8,099	-552	-6.4%
63.0%	8,615	7,386	-1,229	-14.3%
64.2%	8,492	7,115	-1,377	-16.2%
65.4%	8,210	7,113	-1,098	-13.4%
66.7%	7,908	7,079	-829	-10.5%
67.9%	7,864	7,012	-851	-10.8%
69.1%	7,681	6,916	-765	-10.0%
70.4%	7,618	6,889	-729	-9.6%
71.6%	7,605	6,796	-809	-10.6%
72.8%	7,373	6,751	-622	-8.4%
74.1%	7,209	6,733	-476	-6.6%
75.3%	6,888	6,713	-175	-2.5%
76.5%	6,850	6,707	-143	-2.1%
77.8%	6,836	6,664	-172	-2.5%
79.0%	6,650	6,533	-118	-1.8%
80.2%	6,636	6,289	-347	-5.2%
81.5%	6,576	6,264	-312	-4.7%
82.7%	6,545	5,951	-594	-9.1%
84.0%	5,881	5,928	47	0.8%
85.2%	5,554	5,755	201	3.6%
86.4%	5,487	5,626	140	2.5%
87.7%	5,453	5,626	173	3.2%
88.9%	5,406	5,504	99	1.8%
90.1%	5,174	5,504	329	6.4%
91.4%	5,092	5,419	327	6.4%
92.6%	5,082	5,404	321	6.3%
93.8%	4,983	5,175	192	3.8%
95.1%	4,913	4,985	72	1.5%
96.3%	4,792	4,677	-115	-2.4%
97.5%	4,678	4,465	-213	-4.5%
98.8%	4,502	4,390	-111	-2.5%
100.0%	4,447	3,902	-545	-12.3%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,639	-38	-0.1%
1.2%	69,651	67,560	-2,091	-3.0%
2.5%	53,836	53,835	-1	0.0%
3.7%	50,420	50,344	-76	-0.2%
4.9%	47,071	47,064	-7	0.0%
6.2%	39,950	35,618	-4,332	-10.8%
7.4%	33,325	31,179	-2,146	-6.4%
8.6%	32,127	29,987	-2,141	-6.7%
9.9%	29,614	29,579	-36	-0.1%
11.1%	27,030	24,897	-2,134	-7.9%
12.3%	25,386	24,160	-1,226	-4.8%
13.6%	23,894	23,268	-626	-2.6%
14.8%	21,569	21,564	-6	0.0%
16.0%	20,575	20,047	-528	-2.6%
17.3%	20,155	19,990	-165	-0.8%
18.5%	20,054	19,207	-847	-4.2%
19.8%	20,050	18,976	-1,074	-5.4%
21.0%	19,215	18,562	-653	-3.4%
22.2%	18,633	17,817	-816	-4.4%
23.5%	18,359	17,178	-1,182	-6.4%
24.7%	17,814	16,964	-850	-4.8%
25.9%	17,485	15,017	-2,467	-14.1%
27.2%	15,479	13,676	-1,803	-11.6%
28.4%	15,310	13,471	-1,840	-12.0%
29.6%	15,023	13,179	-1,844	-12.3%
30.9%	14,594	12,250	-2,344	-16.1%
32.1%	14,371	12,158	-2,214	-15.4%
33.3%	13,660	11,783	-1,878	-13.7%
34.6%	12,704	10,585	-2,119	-16.7%
35.8%	12,401	10,278	-2,123	-17.1%
37.0%	11,893	9,943	-1,950	-16.4%
38.3%	11,794	9,658	-2,136	-18.1%
39.5%	11,488	9,608	-1,880	-16.4%
40.7%	11,038	8,897	-2,141	-19.4%
42.0%	10,674	8,578	-2,096	-19.6%
43.2%	9,951	8,185	-1,765	-17.7%
44.4%	9,918	8,178	-1,740	-17.5%
45.7%	9,794	8,022	-1,772	-18.1%
46.9%	9,771	7,800	-1,972	-20.2%
48.1%	9,525	7,764	-1,762	-18.5%
49.4%	9,242	7,738	-1,504	-16.3%
50.6%	9,204	7,669	-1,536	-16.7%
51.9%	9,025	7,642	-1,383	-15.3%
53.1%	8,802	7,489	-1,313	-14.9%
54.3%	8,741	7,401	-1,340	-15.3%
55.6%	8,631	7,129	-1,502	-17.4%
56.8%	8,564	7,101	-1,463	-17.1%
58.0%	8,174	7,079	-1,096	-13.4%
59.3%	8,127	6,683	-1,445	-17.8%
60.5%	8,026	6,622	-1,404	-17.5%
61.7%	7,927	6,447	-1,481	-18.7%
63.0%	7,870	6,446	-1,423	-18.1%
64.2%	7,805	6,045	-1,760	-22.5%
65.4%	7,774	6,012	-1,762	-22.7%
66.7%	7,752	5,904	-1,848	-23.8%
67.9%	7,615	5,884	-1,730	-22.7%
69.1%	7,512	5,802	-1,710	-22.8%
70.4%	7,258	5,790	-1,468	-20.2%
71.6%	7,136	5,749	-1,386	-19.4%
72.8%	6,904	5,668	-1,236	-17.9%
74.1%	6,870	5,570	-1,300	-18.9%
75.3%	6,853	5,501	-1,352	-19.7%
76.5%	6,836	5,490	-1,346	-19.7%
77.8%	6,731	5,481	-1,250	-18.6%
79.0%	6,474	5,387	-1,087	-16.8%
80.2%	5,912	5,137	-775	-13.1%
81.5%	5,892	5,121	-771	-13.1%
82.7%	5,808	4,996	-813	-14.0%
84.0%	5,690	4,972	-718	-12.6%
85.2%	5,676	4,870	-806	-14.2%
86.4%	5,573	4,800	-773	-13.9%
87.7%	5,491	4,790	-701	-12.8%
88.9%	5,260	4,770	-490	-9.3%
90.1%	5,234	4,756	-478	-9.1%
91.4%	5,004	4,745	-259	-5.2%
92.6%	5,004	4,721	-283	-5.7%
93.8%	4,837	4,706	-131	-2.7%
95.1%	4,784	4,563	-221	-4.6%
96.3%	4,741	4,398	-343	-7.2%
97.5%	4,602	4,267	-335	-7.3%
98.8%	4,393	4,113	-281	-6.4%
100.0%	4,145	3,953	-191	-4.6%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	41,370	4	0.0%
1.2%	33,800	33,802	2	0.0%
2.5%	24,788	24,790	2	0.0%
3.7%	23,656	23,656	0	0.0%
4.9%	22,542	22,543	1	0.0%
6.2%	22,166	22,162	-4	0.0%
7.4%	17,986	17,983	-3	0.0%
8.6%	17,705	17,708	3	0.0%
9.9%	17,633	17,633	0	0.0%
11.1%	16,776	16,778	2	0.0%
12.3%	16,419	15,823	-596	-3.6%
13.6%	16,384	14,953	-1,431	-8.7%
14.8%	15,822	14,077	-1,746	-11.0%
16.0%	14,515	13,330	-1,185	-8.2%
17.3%	14,356	12,461	-1,895	-13.2%
18.5%	14,276	12,369	-1,907	-13.4%
19.8%	13,396	12,025	-1,370	-10.2%
21.0%	13,258	11,441	-1,817	-13.7%
22.2%	12,023	11,326	-697	-5.8%
23.5%	11,442	10,700	-742	-6.5%
24.7%	11,325	10,183	-1,141	-10.1%
25.9%	10,893	9,657	-1,236	-11.3%
27.2%	10,409	9,644	-765	-7.4%
28.4%	9,609	9,495	-114	-1.2%
29.6%	9,607	9,439	-167	-1.7%
30.9%	9,478	9,206	-272	-2.9%
32.1%	9,329	9,074	-255	-2.7%
33.3%	9,304	8,976	-328	-3.5%
34.6%	9,202	8,747	-455	-4.9%
35.8%	9,120	8,692	-427	-4.7%
37.0%	8,873	8,647	-226	-2.5%
38.3%	8,818	8,632	-187	-2.1%
39.5%	8,818	8,594	-224	-2.5%
40.7%	8,720	8,551	-168	-1.9%
42.0%	8,704	8,547	-158	-1.8%
43.2%	8,665	8,501	-165	-1.9%
44.4%	8,656	8,466	-190	-2.2%
45.7%	8,615	8,360	-255	-3.0%
46.9%	8,597	8,339	-258	-3.0%
48.1%	8,492	8,249	-243	-2.9%
49.4%	8,451	8,081	-369	-4.4%
50.6%	8,450	8,076	-374	-4.4%
51.9%	8,351	7,871	-480	-5.7%
53.1%	8,335	7,708	-627	-7.5%
54.3%	8,277	7,568	-709	-8.6%
55.6%	8,261	7,449	-811	-9.8%
56.8%	8,088	7,426	-661	-8.2%
58.0%	8,051	7,348	-703	-8.7%
59.3%	8,015	7,206	-808	-10.1%
60.5%	7,897	7,098	-799	-10.1%
61.7%	7,864	7,034	-830	-10.6%
63.0%	7,749	7,019	-730	-9.4%
64.2%	7,743	6,941	-802	-10.4%
65.4%	7,663	6,932	-730	-9.5%
66.7%	7,582	6,926	-656	-8.6%
67.9%	7,478	6,857	-620	-8.3%
69.1%	7,346	6,748	-598	-8.1%
70.4%	7,334	6,695	-639	-8.7%
71.6%	7,275	6,676	-599	-8.2%
72.8%	7,270	6,624	-646	-8.9%
74.1%	7,166	6,614	-553	-7.7%
75.3%	7,105	6,581	-524	-7.4%
76.5%	7,073	6,550	-524	-7.4%
77.8%	7,044	6,496	-549	-7.8%
79.0%	7,029	6,467	-562	-8.0%
80.2%	7,023	6,413	-611	-8.7%
81.5%	6,907	6,412	-495	-7.2%
82.7%	6,896	6,384	-512	-7.4%
84.0%	6,866	6,212	-654	-9.5%
85.2%	6,805	6,121	-684	-10.1%
86.4%	6,736	6,017	-719	-10.7%
87.7%	6,710	5,977	-733	-10.9%
88.9%	6,689	5,914	-775	-11.6%
90.1%	6,633	5,910	-723	-10.9%
91.4%	6,392	5,571	-821	-12.8%
92.6%	6,358	5,504	-854	-13.4%
93.8%	6,198	5,390	-808	-13.0%
95.1%	6,162	5,210	-953	-15.5%
96.3%	5,820	5,190	-630	-10.8%
97.5%	5,479	5,041	-438	-8.0%
98.8%	5,336	5,040	-297	-5.6%
100.0%	4,994	5,040	46	0.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,541	22,543	2	0.0%
1.2%	18,878	18,880	2	0.0%
2.5%	18,005	17,548	-457	-2.5%
3.7%	17,546	17,339	-207	-1.2%
4.9%	17,072	17,072	0	0.0%
6.2%	16,959	16,961	1	0.0%
7.4%	14,152	14,080	-72	-0.5%
8.6%	13,944	13,917	-27	-0.2%
9.9%	13,824	13,871	47	0.3%
11.1%	13,268	12,684	-584	-4.4%
12.3%	12,683	11,801	-881	-6.9%
13.6%	11,801	11,694	-107	-0.9%
14.8%	11,693	11,387	-306	-2.6%
16.0%	11,679	11,362	-317	-2.7%
17.3%	11,364	11,171	-193	-1.7%
18.5%	11,220	10,884	-337	-3.0%
19.8%	11,070	10,851	-219	-2.0%
21.0%	10,851	10,596	-255	-2.3%
22.2%	10,668	10,282	-386	-3.6%
23.5%	10,569	10,213	-356	-3.4%
24.7%	10,425	9,927	-498	-4.8%
25.9%	10,393	9,823	-569	-5.5%
27.2%	10,288	9,700	-588	-5.7%
28.4%	10,032	9,404	-628	-6.3%
29.6%	10,024	9,129	-895	-8.9%
30.9%	9,985	9,126	-859	-8.6%
32.1%	9,857	8,986	-871	-8.8%
33.3%	9,712	8,835	-878	-9.0%
34.6%	9,558	8,809	-749	-7.8%
35.8%	9,533	8,773	-760	-8.0%
37.0%	9,110	8,618	-492	-5.4%
38.3%	9,107	8,578	-529	-5.8%
39.5%	8,980	8,572	-409	-4.6%
40.7%	8,870	8,509	-361	-4.1%
42.0%	8,690	8,354	-337	-3.9%
43.2%	8,685	8,339	-347	-4.0%
44.4%	8,639	8,189	-450	-5.2%
45.7%	8,623	8,177	-446	-5.2%
46.9%	8,385	8,134	-252	-3.0%
48.1%	8,314	8,122	-192	-2.3%
49.4%	8,186	8,114	-72	-0.9%
50.6%	8,182	8,109	-73	-0.9%
51.9%	8,136	8,080	-55	-0.7%
53.1%	8,132	8,076	-56	-0.7%
54.3%	8,121	8,027	-94	-1.2%
55.6%	8,025	7,977	-48	-0.6%
56.8%	7,986	7,964	-22	-0.3%
58.0%	7,945	7,943	-3	0.0%
59.3%	7,945	7,928	-17	-0.2%
60.5%	7,938	7,848	-90	-1.1%
61.7%	7,932	7,764	-167	-2.1%
63.0%	7,846	7,710	-136	-1.7%
64.2%	7,843	7,696	-147	-1.9%
65.4%	7,821	7,641	-180	-2.3%
66.7%	7,818	7,632	-186	-2.4%
67.9%	7,808	7,580	-228	-2.9%
69.1%	7,807	7,559	-248	-3.2%
70.4%	7,784	7,551	-232	-3.0%
71.6%	7,646	7,531	-116	-1.5%
72.8%	7,616	7,449	-167	-2.2%
74.1%	7,608	7,406	-202	-2.7%
75.3%	7,599	7,376	-223	-2.9%
76.5%	7,554	7,369	-185	-2.4%
77.8%	7,519	7,368	-151	-2.0%
79.0%	7,440	7,351	-89	-1.2%
80.2%	7,400	7,221	-178	-2.4%
81.5%	7,298	7,206	-92	-1.3%
82.7%	7,273	7,086	-186	-2.6%
84.0%	7,257	7,052	-205	-2.8%
85.2%	7,136	6,898	-238	-3.3%
86.4%	7,059	6,855	-204	-2.9%
87.7%	7,042	6,743	-299	-4.2%
88.9%	7,038	6,716	-323	-4.6%
90.1%	6,996	6,417	-579	-8.3%
91.4%	6,950	6,401	-548	-7.9%
92.6%	6,773	6,376	-397	-5.9%
93.8%	6,624	6,341	-283	-4.3%
95.1%	6,607	6,160	-447	-6.8%
96.3%	6,340	6,092	-248	-3.9%
97.5%	6,267	5,663	-604	-9.6%
98.8%	6,148	5,541	-607	-9.9%
100.0%	5,942	5,404	-538	-9.1%

Table SW-12-7b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	24,555	625	2.6%
1.2%	16,154	16,816	663	4.1%
2.5%	15,144	15,135	-9	-0.1%
3.7%	14,772	14,987	216	1.5%
4.9%	14,616	13,001	-1,615	-11.0%
6.2%	14,495	12,870	-1,625	-11.2%
7.4%	13,808	12,829	-979	-7.1%
8.6%	13,165	12,303	-861	-6.5%
9.9%	12,789	12,235	-554	-4.3%
11.1%	12,580	12,184	-396	-3.1%
12.3%	12,448	11,883	-564	-4.5%
13.6%	12,358	11,873	-485	-3.9%
14.8%	12,189	11,812	-377	-3.1%
16.0%	12,138	11,790	-348	-2.9%
17.3%	12,123	11,790	-333	-2.7%
18.5%	12,108	11,732	-376	-3.1%
19.8%	11,882	11,630	-253	-2.1%
21.0%	11,863	11,474	-389	-3.3%
22.2%	11,727	11,453	-275	-2.3%
23.5%	11,724	11,427	-298	-2.5%
24.7%	11,706	11,410	-296	-2.5%
25.9%	11,527	11,311	-216	-1.9%
27.2%	11,492	11,257	-235	-2.0%
28.4%	11,421	11,212	-209	-1.8%
29.6%	11,345	11,134	-211	-1.9%
30.9%	11,274	11,104	-170	-1.5%
32.1%	11,267	11,074	-194	-1.7%
33.3%	11,137	11,042	-95	-0.9%
34.6%	10,988	10,976	-12	-0.1%
35.8%	10,963	10,936	-27	-0.2%
37.0%	10,951	10,890	-61	-0.6%
38.3%	10,854	10,873	19	0.2%
39.5%	10,833	10,810	-23	-0.2%
40.7%	10,739	10,796	57	0.5%
42.0%	10,706	10,688	-19	-0.2%
43.2%	10,689	10,634	-55	-0.5%
44.4%	10,683	10,602	-81	-0.8%
45.7%	10,658	10,571	-87	-0.8%
46.9%	10,622	10,535	-87	-0.8%
48.1%	10,620	10,506	-114	-1.1%
49.4%	10,589	10,410	-179	-1.7%
50.6%	10,551	10,402	-150	-1.4%
51.9%	10,528	10,401	-127	-1.2%
53.1%	10,521	10,398	-123	-1.2%
54.3%	10,476	10,379	-97	-0.9%
55.6%	10,468	10,306	-162	-1.5%
56.8%	10,465	10,303	-163	-1.6%
58.0%	10,423	10,298	-125	-1.2%
59.3%	10,383	10,293	-90	-0.9%
60.5%	10,365	10,293	-72	-0.7%
61.7%	10,356	10,265	-91	-0.9%
63.0%	10,337	10,235	-102	-1.0%
64.2%	10,306	10,228	-78	-0.8%
65.4%	10,302	10,188	-114	-1.1%
66.7%	10,257	10,177	-80	-0.8%
67.9%	10,225	10,160	-65	-0.6%
69.1%	10,211	10,157	-54	-0.5%
70.4%	10,208	10,150	-58	-0.6%
71.6%	10,107	10,144	38	0.4%
72.8%	10,098	10,053	-45	-0.4%
74.1%	10,074	10,016	-58	-0.6%
75.3%	10,022	9,932	-90	-0.9%
76.5%	9,967	9,907	-60	-0.6%
77.8%	9,918	9,847	-71	-0.7%
79.0%	9,906	9,840	-66	-0.7%
80.2%	9,727	9,833	107	1.1%
81.5%	9,714	9,744	30	0.3%
82.7%	9,706	9,662	-44	-0.5%
84.0%	9,686	9,624	-62	-0.6%
85.2%	9,676	9,607	-68	-0.7%
86.4%	9,600	9,575	-25	-0.3%
87.7%	9,535	9,560	24	0.3%
88.9%	9,466	9,454	-12	-0.1%
90.1%	9,436	9,409	-27	-0.3%
91.4%	9,292	9,279	-13	-0.1%
92.6%	9,290	9,262	-28	-0.3%
93.8%	9,252	9,139	-112	-1.2%
95.1%	9,035	9,138	103	1.1%
96.3%	8,803	8,630	-173	-2.0%
97.5%	8,189	8,498	309	3.8%
98.8%	7,856	8,437	581	7.4%
100.0%	7,758	8,383	625	8.1%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	16,390	765	4.9%
1.2%	15,557	16,306	749	4.8%
2.5%	15,348	15,927	579	3.8%
3.7%	14,954	15,535	582	3.9%
4.9%	14,936	15,485	549	3.7%
6.2%	14,714	15,479	765	5.2%
7.4%	14,702	15,352	650	4.4%
8.6%	14,648	15,192	544	3.7%
9.9%	14,539	14,998	459	3.2%
11.1%	14,526	14,971	446	3.1%
12.3%	14,506	14,825	319	2.2%
13.6%	14,506	14,750	244	1.7%
14.8%	14,474	14,739	265	1.8%
16.0%	14,418	14,725	307	2.1%
17.3%	14,353	14,677	324	2.3%
18.5%	14,269	14,499	230	1.6%
19.8%	14,241	14,454	213	1.5%
21.0%	14,212	14,410	197	1.4%
22.2%	14,103	14,394	291	2.1%
23.5%	14,091	14,342	251	1.8%
24.7%	14,027	14,253	226	1.6%
25.9%	13,984	14,245	261	1.9%
27.2%	13,943	14,177	235	1.7%
28.4%	13,836	13,985	149	1.1%
29.6%	13,827	13,910	83	0.6%
30.9%	13,821	13,899	78	0.6%
32.1%	13,816	13,674	-142	-1.0%
33.3%	13,768	13,670	-98	-0.7%
34.6%	13,720	13,544	-176	-1.3%
35.8%	13,719	13,426	-293	-2.1%
37.0%	13,700	13,315	-385	-2.8%
38.3%	13,616	13,308	-309	-2.3%
39.5%	13,374	13,223	-151	-1.1%
40.7%	13,258	13,163	-94	-0.7%
42.0%	13,150	13,028	-122	-0.9%
43.2%	13,142	13,015	-127	-1.0%
44.4%	13,107	12,991	-116	-0.9%
45.7%	13,102	12,973	-129	-1.0%
46.9%	13,086	12,930	-155	-1.2%
48.1%	13,049	12,792	-256	-2.0%
49.4%	12,710	12,746	36	0.3%
50.6%	12,386	12,719	333	2.7%
51.9%	12,318	12,700	382	3.1%
53.1%	12,304	12,648	344	2.8%
54.3%	12,281	12,581	300	2.4%
55.6%	12,211	12,558	346	2.8%
56.8%	12,175	12,492	317	2.6%
58.0%	12,166	12,465	299	2.5%
59.3%	12,089	12,343	254	2.1%
60.5%	11,896	12,335	439	3.7%
61.7%	11,799	12,273	474	4.0%
63.0%	11,748	12,213	465	4.0%
64.2%	11,746	12,130	384	3.3%
65.4%	11,737	12,047	311	2.6%
66.7%	11,668	12,042	374	3.2%
67.9%	11,643	11,995	352	3.0%
69.1%	11,544	11,924	380	3.3%
70.4%	11,529	11,915	386	3.3%
71.6%	11,423	11,838	414	3.6%
72.8%	11,402	11,827	424	3.7%
74.1%	11,368	11,761	393	3.5%
75.3%	11,354	11,744	391	3.4%
76.5%	11,271	11,675	404	3.6%
77.8%	11,187	11,519	333	3.0%
79.0%	11,156	11,421	264	2.4%
80.2%	11,151	11,385	233	2.1%
81.5%	11,027	11,221	194	1.8%
82.7%	11,025	11,102	77	0.7%
84.0%	10,872	10,842	-30	-0.3%
85.2%	10,750	10,735	-15	-0.1%
86.4%	10,629	10,730	101	0.9%
87.7%	10,629	10,713	85	0.8%
88.9%	10,553	10,569	16	0.2%
90.1%	10,445	10,568	123	1.2%
91.4%	10,420	10,500	80	0.8%
92.6%	10,218	10,452	234	2.3%
93.8%	10,127	10,347	221	2.2%
95.1%	10,017	10,238	221	2.2%
96.3%	9,960	10,210	250	2.5%
97.5%	9,778	10,025	247	2.5%
98.8%	9,423	9,617	193	2.0%
100.0%	8,541	9,158	617	7.2%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	14,490	755	5.5%
1.2%	13,621	13,623	1	0.0%
2.5%	13,216	13,040	-176	-1.3%
3.7%	13,085	12,875	-209	-1.6%
4.9%	12,860	12,167	-693	-5.4%
6.2%	12,633	12,150	-483	-3.8%
7.4%	12,489	12,107	-382	-3.1%
8.6%	12,160	12,104	-55	-0.5%
9.9%	12,104	12,093	-11	-0.1%
11.1%	11,691	11,992	301	2.6%
12.3%	11,657	11,872	215	1.8%
13.6%	11,645	11,572	-73	-0.6%
14.8%	11,503	11,438	-65	-0.6%
16.0%	11,473	11,337	-136	-1.2%
17.3%	11,451	11,336	-115	-1.0%
18.5%	11,436	11,260	-176	-1.5%
19.8%	11,301	11,097	-203	-1.8%
21.0%	11,235	11,055	-180	-1.6%
22.2%	11,211	11,030	-181	-1.6%
23.5%	10,863	10,962	99	0.9%
24.7%	10,839	10,815	-24	-0.2%
25.9%	10,741	10,783	43	0.4%
27.2%	10,694	10,673	-21	-0.2%
28.4%	10,689	10,428	-261	-2.4%
29.6%	10,513	10,406	-107	-1.0%
30.9%	10,472	10,361	-111	-1.1%
32.1%	10,458	10,318	-140	-1.3%
33.3%	10,335	10,282	-53	-0.5%
34.6%	10,327	10,240	-86	-0.8%
35.8%	10,284	10,006	-279	-2.7%
37.0%	10,246	9,981	-265	-2.6%
38.3%	10,244	9,975	-269	-2.6%
39.5%	10,126	9,950	-176	-1.7%
40.7%	10,104	9,948	-156	-1.5%
42.0%	10,063	9,920	-144	-1.4%
43.2%	10,027	9,836	-191	-1.9%
44.4%	9,990	9,815	-175	-1.8%
45.7%	9,990	9,673	-317	-3.2%
46.9%	9,974	9,659	-315	-3.2%
48.1%	9,933	9,651	-282	-2.8%
49.4%	9,930	9,624	-307	-3.1%
50.6%	9,886	9,579	-307	-3.1%
51.9%	9,836	9,482	-353	-3.6%
53.1%	9,825	9,438	-387	-3.9%
54.3%	9,795	9,402	-392	-4.0%
55.6%	9,662	9,394	-267	-2.8%
56.8%	9,633	9,382	-252	-2.6%
58.0%	9,608	9,358	-250	-2.6%
59.3%	9,599	9,290	-308	-3.2%
60.5%	9,593	9,287	-306	-3.2%
61.7%	9,509	9,273	-236	-2.5%
63.0%	9,439	9,255	-184	-1.9%
64.2%	9,321	9,218	-103	-1.1%
65.4%	9,277	9,210	-67	-0.7%
66.7%	9,268	9,187	-81	-0.9%
67.9%	9,250	9,165	-85	-0.9%
69.1%	9,209	9,161	-48	-0.5%
70.4%	9,199	9,133	-66	-0.7%
71.6%	9,192	9,104	-87	-1.0%
72.8%	9,125	9,038	-87	-1.0%
74.1%	9,076	8,955	-121	-1.3%
75.3%	8,983	8,929	-55	-0.6%
76.5%	8,946	8,916	-30	-0.3%
77.8%	8,945	8,913	-32	-0.4%
79.0%	8,929	8,899	-30	-0.3%
80.2%	8,927	8,896	-31	-0.3%
81.5%	8,772	8,813	42	0.5%
82.7%	8,699	8,795	96	1.1%
84.0%	8,682	8,784	102	1.2%
85.2%	8,666	8,761	96	1.1%
86.4%	8,584	8,759	175	2.0%
87.7%	8,531	8,753	221	2.6%
88.9%	8,514	8,705	191	2.2%
90.1%	8,480	8,659	180	2.1%
91.4%	8,470	8,589	119	1.4%
92.6%	8,459	8,588	129	1.5%
93.8%	8,389	8,554	165	2.0%
95.1%	8,368	8,511	143	1.7%
96.3%	8,350	8,124	-226	-2.7%
97.5%	7,769	8,004	235	3.0%
98.8%	7,219	7,551	331	4.6%
100.0%	6,951	7,486	534	7.7%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,501	14,968	-1,533	-9.3%
1.2%	15,191	14,809	-382	-2.5%
2.5%	15,100	14,655	-445	-2.9%
3.7%	15,001	14,289	-712	-4.7%
4.9%	14,843	14,052	-791	-5.3%
6.2%	14,483	13,994	-489	-3.4%
7.4%	13,768	13,829	61	0.4%
8.6%	13,614	13,669	55	0.4%
9.9%	13,409	13,660	251	1.9%
11.1%	13,161	13,600	439	3.3%
12.3%	13,158	13,463	305	2.3%
13.6%	13,024	13,270	246	1.9%
14.8%	12,997	13,025	29	0.2%
16.0%	12,918	12,383	-535	-4.1%
17.3%	12,506	12,298	-208	-1.7%
18.5%	12,468	11,725	-742	-6.0%
19.8%	12,352	11,577	-776	-6.3%
21.0%	12,237	11,550	-687	-5.6%
22.2%	11,964	11,518	-446	-3.7%
23.5%	11,717	11,407	-310	-2.6%
24.7%	11,442	11,372	-71	-0.6%
25.9%	11,169	11,011	-158	-1.4%
27.2%	10,910	10,927	17	0.2%
28.4%	10,709	10,700	-9	-0.1%
29.6%	10,201	9,535	-666	-6.5%
30.9%	9,965	9,507	-457	-4.6%
32.1%	9,957	9,308	-649	-6.5%
33.3%	9,698	9,239	-459	-4.7%
34.6%	9,363	9,090	-273	-2.9%
35.8%	9,157	7,883	-1,275	-13.9%
37.0%	8,974	7,690	-1,284	-14.3%
38.3%	8,806	7,479	-1,327	-15.1%
39.5%	8,803	7,251	-1,552	-17.6%
40.7%	8,082	7,133	-949	-11.7%
42.0%	7,392	7,089	-303	-4.1%
43.2%	7,113	6,930	-183	-2.6%
44.4%	7,033	6,873	-160	-2.3%
45.7%	7,023	6,848	-175	-2.5%
46.9%	6,989	6,803	-186	-2.7%
48.1%	6,953	6,558	-395	-5.7%
49.4%	6,830	6,554	-276	-4.0%
50.6%	6,733	6,518	-215	-3.2%
51.9%	6,683	6,447	-236	-3.5%
53.1%	6,630	6,426	-204	-3.1%
54.3%	6,378	6,316	-62	-1.0%
55.6%	6,348	6,252	-96	-1.5%
56.8%	6,219	6,222	3	0.0%
58.0%	6,131	6,214	83	1.4%
59.3%	6,079	6,197	118	1.9%
60.5%	6,069	6,153	84	1.4%
61.7%	6,046	6,094	47	0.8%
63.0%	6,029	6,077	48	0.8%
64.2%	6,026	6,050	24	0.4%
65.4%	6,004	5,978	-26	-0.4%
66.7%	5,977	5,934	-43	-0.7%
67.9%	5,968	5,916	-52	-0.9%
69.1%	5,916	5,873	-43	-0.7%
70.4%	5,760	5,835	75	1.3%
71.6%	5,736	5,763	27	0.5%
72.8%	5,718	5,759	41	0.7%
74.1%	5,701	5,745	44	0.8%
75.3%	5,664	5,742	77	1.4%
76.5%	5,547	5,726	179	3.2%
77.8%	5,544	5,726	181	3.3%
79.0%	5,489	5,649	160	2.9%
80.2%	5,454	5,570	115	2.1%
81.5%	5,411	5,540	130	2.4%
82.7%	5,369	5,457	88	1.6%
84.0%	5,333	5,337	4	0.1%
85.2%	5,196	5,299	103	2.0%
86.4%	5,188	5,264	76	1.5%
87.7%	5,046	5,198	151	3.0%
88.9%	4,940	5,198	257	5.2%
90.1%	4,826	5,087	261	5.4%
91.4%	4,815	4,842	28	0.6%
92.6%	4,577	4,814	237	5.2%
93.8%	4,561	4,708	147	3.2%
95.1%	4,446	4,465	19	0.4%
96.3%	4,405	4,458	53	1.2%
97.5%	4,302	4,447	145	3.4%
98.8%	4,290	4,445	155	3.6%
100.0%	4,046	4,406	361	8.9%

Table SW-13-7a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative C	6,524	9,023	12,474	16,193	19,291	14,913	9,541	8,422	9,384	11,227	8,181	7,780
Difference	-8	172	-319	-1,099	-1,079	-1,790	-622	-234	719	1,283	140	-100
Percent Difference[3]	-0.1%	1.9%	-2.5%	-6.4%	-5.3%	-10.7%	-6.1%	-2.7%	8.3%	12.9%	1.7%	-1.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative C	8,086	11,600	12,785	30,129	32,861	27,210	15,533	11,762	10,130	10,629	7,986	12,037
Difference	475	133	-499	-1,224	-1,103	-1,069	-312	-110	1,160	997	-295	-150
Percent Difference	6.2%	1.2%	-3.8%	-3.9%	-3.2%	-3.8%	-2.0%	-0.9%	12.9%	10.3%	-3.6%	-1.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative C	6,416	11,149	12,598	16,592	25,057	16,307	9,330	8,578	9,551	12,212	7,659	7,382
Difference	-3	286	-516	-2,349	-1,530	-2,411	-871	-212	795	1,749	-194	-576
Percent Difference	-0.1%	2.6%	-3.9%	-12.4%	-5.8%	-12.9%	-8.5%	-2.4%	9.1%	16.7%	-2.5%	-7.2%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative C	6,469	8,095	14,122	9,343	12,456	7,963	7,171	6,809	8,452	11,693	7,691	5,380
Difference	520	408	-291	-1,336	-1,112	-2,398	-622	-229	184	2,165	111	226
Percent Difference	8.7%	5.3%	-2.0%	-12.5%	-8.2%	-23.1%	-8.0%	-3.3%	2.2%	22.7%	1.5%	4.4%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative C	5,341	7,219	14,542	7,531	9,566	7,616	5,464	6,419	9,059	11,362	8,754	5,641
Difference	-754	261	142	-384	-950	-2,418	-1,140	-414	477	1,125	411	116
Percent Difference	-12.4%	3.7%	1.0%	-4.8%	-9.0%	-24.1%	-17.3%	-6.1%	5.6%	11.0%	4.9%	2.1%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative C	5,087	5,101	6,650	6,582	6,685	5,928	5,646	5,916	9,177	10,790	8,839	4,962
Difference	-554	-269	-458	-376	-733	-1,082	-271	-262	673	643	1,046	-220
Percent Difference	-9.8%	-5.0%	-6.4%	-5.4%	-9.9%	-15.4%	-4.6%	-4.2%	7.9%	6.3%	13.4%	-4.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-13-7b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

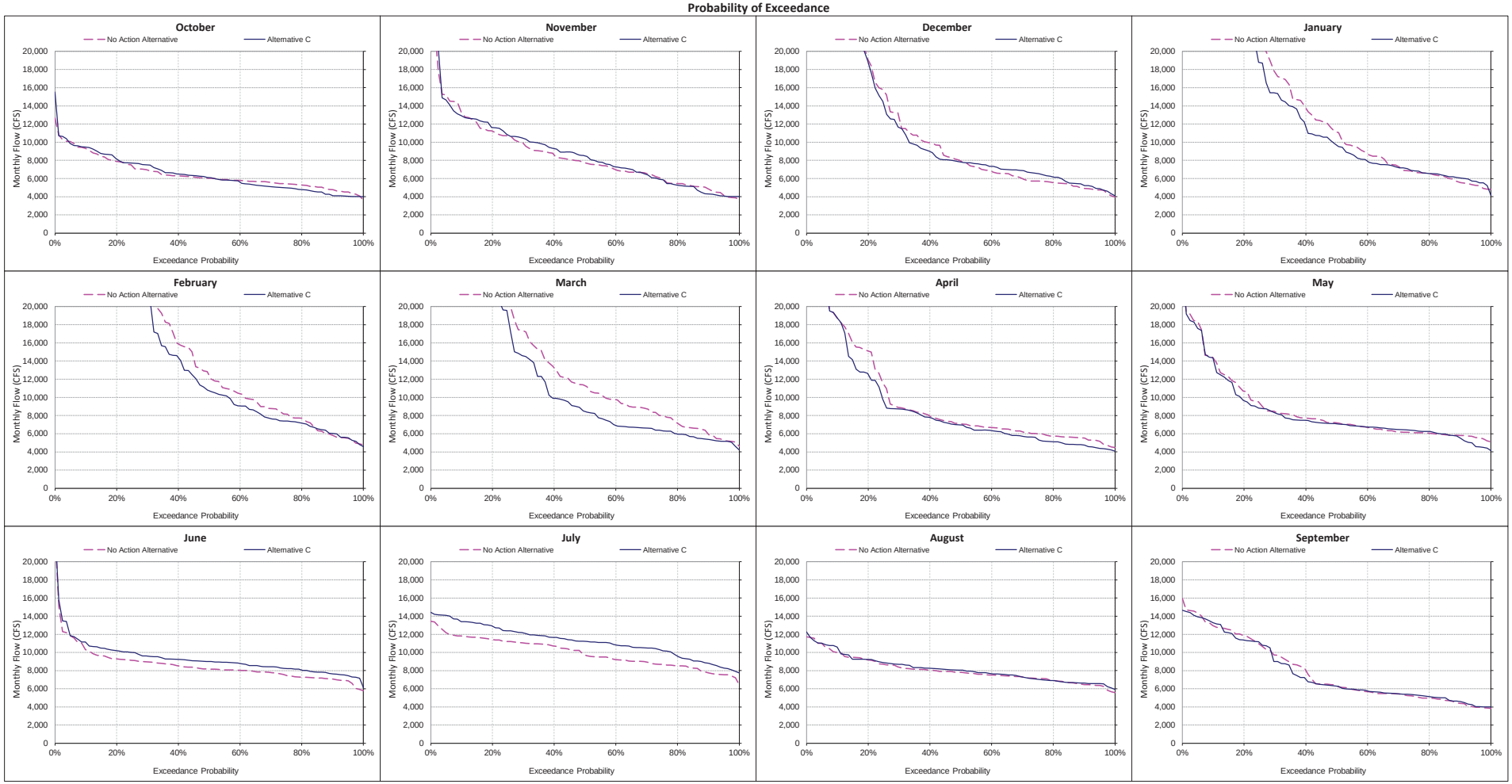

Table SW-13-7b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	15,531	2,881	22.8%
1.2%	10,812	10,704	-107	-1.0%
2.5%	10,263	10,643	380	3.7%
3.7%	10,097	10,401	305	3.0%
4.9%	10,066	9,844	-222	-2.2%
6.2%	9,845	9,639	-206	-2.1%
7.4%	9,457	9,615	158	1.7%
8.6%	9,426	9,485	59	0.6%
9.9%	9,329	9,473	144	1.5%
11.1%	9,110	9,403	293	3.2%
12.3%	8,810	9,243	433	4.9%
13.6%	8,707	9,032	325	3.7%
14.8%	8,447	8,761	314	3.7%
16.0%	8,380	8,672	292	3.5%
17.3%	8,099	8,646	547	6.8%
18.5%	8,005	8,603	597	7.5%
19.8%	7,899	8,203	304	3.8%
21.0%	7,850	7,940	90	1.1%
22.2%	7,762	7,740	-22	-0.3%
23.5%	7,564	7,733	170	2.2%
24.7%	7,511	7,720	209	2.8%
25.9%	7,056	7,689	633	9.0%
27.2%	7,055	7,654	599	8.5%
28.4%	7,036	7,545	509	7.2%
29.6%	6,990	7,510	520	7.4%
30.9%	6,851	7,472	621	9.1%
32.1%	6,788	7,216	428	6.3%
33.3%	6,745	7,064	319	4.7%
34.6%	6,462	6,896	434	6.7%
35.8%	6,391	6,659	268	4.2%
37.0%	6,374	6,633	259	4.1%
38.3%	6,311	6,624	314	5.0%
39.5%	6,301	6,493	192	3.0%
40.7%	6,292	6,481	188	3.0%
42.0%	6,247	6,447	200	3.2%
43.2%	6,232	6,379	147	2.4%
44.4%	6,188	6,351	163	2.6%
45.7%	6,139	6,316	178	2.9%
46.9%	6,093	6,251	158	2.6%
48.1%	6,080	6,241	161	2.7%
49.4%	6,034	6,124	90	1.5%
50.6%	6,018	6,083	64	1.1%
51.9%	5,994	5,978	-15	-0.3%
53.1%	5,901	5,897	-4	-0.1%
54.3%	5,890	5,846	-43	-0.7%
55.6%	5,882	5,825	-57	-1.0%
56.8%	5,807	5,822	15	0.3%
58.0%	5,796	5,782	-14	-0.2%
59.3%	5,795	5,740	-55	-0.9%
60.5%	5,772	5,466	-306	-5.3%
61.7%	5,742	5,423	-319	-5.6%
63.0%	5,687	5,387	-301	-5.3%
64.2%	5,686	5,319	-367	-6.5%
65.4%	5,670	5,242	-428	-7.6%
66.7%	5,662	5,221	-441	-7.8%
67.9%	5,659	5,197	-462	-8.2%
69.1%	5,597	5,104	-493	-8.8%
70.4%	5,542	5,071	-471	-8.5%
71.6%	5,504	5,049	-455	-8.3%
72.8%	5,455	5,034	-421	-7.7%
74.1%	5,430	4,994	-437	-8.0%
75.3%	5,413	4,957	-455	-8.4%
76.5%	5,375	4,947	-428	-8.0%
77.8%	5,346	4,883	-463	-8.7%
79.0%	5,291	4,810	-481	-9.1%
80.2%	5,277	4,764	-514	-9.7%
81.5%	5,237	4,759	-477	-9.1%
82.7%	5,138	4,656	-482	-9.4%
84.0%	5,124	4,566	-558	-10.9%
85.2%	5,055	4,531	-524	-10.4%
86.4%	5,041	4,525	-516	-10.2%
87.7%	4,880	4,269	-611	-12.5%
88.9%	4,795	4,268	-526	-11.0%
90.1%	4,767	4,101	-666	-14.0%
91.4%	4,644	4,097	-547	-11.8%
92.6%	4,613	4,092	-520	-11.3%
93.8%	4,525	4,089	-437	-9.6%
95.1%	4,514	4,042	-472	-10.5%
96.3%	4,367	4,020	-348	-8.0%
97.5%	4,264	4,019	-245	-5.7%
98.8%	4,076	4,014	-63	-1.5%
100.0%	3,617	4,004	387	10.7%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	37,160	-2,723	-6.8%
1.2%	22,766	22,445	-321	-1.4%
2.5%	17,745	20,290	2,546	14.3%
3.7%	15,278	14,885	-394	-2.6%
4.9%	15,209	14,654	-556	-3.7%
6.2%	14,513	14,109	-404	-2.8%
7.4%	14,497	13,449	-1,049	-7.2%
8.6%	14,412	13,132	-1,281	-8.9%
9.9%	13,310	12,919	-391	-2.9%
11.1%	12,787	12,713	-73	-0.6%
12.3%	12,699	12,607	-92	-0.7%
13.6%	12,493	12,587	93	0.7%
14.8%	12,206	12,548	342	2.8%
16.0%	11,527	12,341	814	7.1%
17.3%	11,482	12,229	748	6.5%
18.5%	11,281	12,193	912	8.1%
19.8%	11,253	11,612	359	3.2%
21.0%	11,060	11,592	532	4.8%
22.2%	10,839	11,520	680	6.3%
23.5%	10,719	11,241	523	4.9%
24.7%	10,713	10,864	151	1.4%
25.9%	10,674	10,647	-26	-0.2%
27.2%	10,258	10,627	368	3.6%
28.4%	10,044	10,592	548	5.5%
29.6%	10,036	10,477	442	4.4%
30.9%	9,552	10,323	770	8.1%
32.1%	9,299	10,031	732	7.9%
33.3%	9,092	9,985	893	9.8%
34.6%	9,069	9,948	879	9.7%
35.8%	9,030	9,821	790	8.8%
37.0%	8,987	9,731	744	8.3%
38.3%	8,840	9,432	592	6.7%
39.5%	8,792	9,314	522	5.9%
40.7%	8,307	9,232	924	11.1%
42.0%	8,254	8,920	666	8.1%
43.2%	8,201	8,911	710	8.7%
44.4%	8,112	8,911	798	9.8%
45.7%	8,060	8,910	850	10.5%
46.9%	7,975	8,755	780	9.8%
48.1%	7,958	8,567	610	7.7%
49.4%	7,777	8,536	759	9.8%
50.6%	7,675	8,427	752	9.8%
51.9%	7,578	8,072	494	6.5%
53.1%	7,548	7,978	430	5.7%
54.3%	7,510	7,830	320	4.3%
55.6%	7,421	7,784	363	4.9%
56.8%	7,402	7,587	185	2.5%
58.0%	7,259	7,533	275	3.8%
59.3%	7,050	7,305	254	3.6%
60.5%	6,893	7,267	374	5.4%
61.7%	6,811	7,179	368	5.4%
63.0%	6,800	7,161	361	5.3%
64.2%	6,706	7,055	349	5.2%
65.4%	6,692	6,984	292	4.4%
66.7%	6,673	6,707	35	0.5%
67.9%	6,666	6,690	24	0.4%
69.1%	6,647	6,541	-106	-1.6%
70.4%	6,502	6,398	-103	-1.6%
71.6%	6,424	6,089	-335	-5.2%
72.8%	6,229	6,050	-179	-2.9%
74.1%	6,075	5,917	-158	-2.6%
75.3%	5,938	5,858	-81	-1.4%
76.5%	5,531	5,454	-77	-1.4%
77.8%	5,481	5,433	-49	-0.9%
79.0%	5,472	5,343	-129	-2.4%
80.2%	5,452	5,237	-214	-3.9%
81.5%	5,436	5,189	-247	-4.5%
82.7%	5,301	5,177	-124	-2.3%
84.0%	5,241	5,144	-97	-1.9%
85.2%	5,146	5,126	-20	-0.4%
86.4%	5,117	4,714	-403	-7.9%
87.7%	5,098	4,504	-594	-11.7%
88.9%	5,059	4,333	-727	-14.4%
90.1%	4,833	4,309	-524	-10.8%
91.4%	4,612	4,284	-328	-7.1%
92.6%	4,485	4,180	-305	-6.8%
93.8%	4,473	4,114	-359	-8.0%
95.1%	4,124	4,068	-55	-1.3%
96.3%	3,972	4,033	61	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,641	48,733	92	0.2%
1.2%	47,931	46,129	-1,802	-3.8%
2.5%	38,663	38,892	229	0.6%
3.7%	38,506	37,822	-684	-1.8%
4.9%	37,913	35,089	-2,824	-7.4%
6.2%	37,864	33,527	-4,337	-11.5%
7.4%	34,005	31,922	-2,083	-6.1%
8.6%	33,136	28,622	-4,514	-13.6%
9.9%	28,160	28,196	36	0.1%
11.1%	26,314	24,505	-1,809	-6.9%
12.3%	25,784	23,911	-1,874	-7.3%
13.6%	24,405	23,047	-1,358	-5.6%
14.8%	23,956	22,725	-1,231	-5.1%
16.0%	23,915	22,376	-1,539	-6.4%
17.3%	21,577	22,047	470	2.2%
18.5%	20,868	20,173	-696	-3.3%
19.8%	19,202	18,988	-214	-1.1%
21.0%	18,407	17,564	-843	-4.6%
22.2%	16,615	15,938	-676	-4.1%
23.5%	15,998	15,144	-854	-5.3%
24.7%	15,793	14,485	-1,309	-8.3%
25.9%	15,219	13,057	-2,162	-14.2%
27.2%	13,350	12,558	-792	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,671	-1,563	-11.8%
30.9%	11,515	11,488	-27	-0.2%
32.1%	11,490	10,796	-694	-6.0%
33.3%	11,054	9,954	-1,099	-9.9%
34.6%	10,790	9,788	-1,002	-9.3%
35.8%	10,789	9,669	-1,119	-10.4%
37.0%	10,255	9,336	-919	-9.0%
38.3%	10,055	9,173	-881	-8.8%
39.5%	9,955	9,052	-903	-9.1%
40.7%	9,915	8,865	-1,049	-10.6%
42.0%	9,694	8,363	-1,330	-13.7%
43.2%	9,662	8,121	-1,541	-15.9%
44.4%	8,583	8,077	-505	-5.9%
45.7%	8,410	8,067	-343	-4.1%
46.9%	8,332	8,019	-313	-3.8%
48.1%	8,156	7,930	-226	-2.8%
49.4%	8,048	7,859	-189	-2.3%
50.6%	7,822	7,790	-32	-0.4%
51.9%	7,705	7,738	33	0.4%
53.1%	7,385	7,729	344	4.7%
54.3%	7,310	7,665	355	4.9%
55.6%	7,245	7,615	370	5.1%
56.8%	7,010	7,541	531	7.6%
58.0%	6,915	7,517	601	8.7%
59.3%	6,892	7,346	453	6.6%
60.5%	6,707	7,340	633	9.4%
61.7%	6,585	7,222	638	9.7%
63.0%	6,556	7,050	494	7.5%
64.2%	6,549	7,012	464	7.1%
65.4%	6,524	6,970	446	6.8%
66.7%	6,299	6,964	664	10.5%
67.9%	6,243	6,940	697	11.2%
69.1%	6,124	6,894	770	12.6%
70.4%	5,923	6,857	934	15.8%
71.6%	5,788	6,714	926	16.0%
72.8%	5,733	6,640	907	15.8%
74.1%	5,725	6,591	866	15.1%
75.3%	5,714	6,522	808	14.1%
76.5%	5,688	6,434	746	13.1%
77.8%	5,677	6,323	646	11.4%
79.0%	5,605	6,251	646	11.5%
80.2%	5,523	6,152	629	11.4%
81.5%	5,508	6,151	643	11.7%
82.7%	5,482	5,986	503	9.2%
84.0%	5,453	5,696	244	4.5%
85.2%	5,427	5,513	86	1.6%
86.4%	5,169	5,461	291	5.6%
87.7%	5,124	5,451	327	6.4%
88.9%	4,976	5,425	449	9.0%
90.1%	4,902	5,223	321	6.6%
91.4%	4,876	5,213	337	6.9%
92.6%	4,832	5,151	319	6.6%
93.8%	4,759	4,918	159	3.3%
95.1%	4,735	4,900	166	3.5%
96.3%	4,710	4,710	-1	0.0%
97.5%	4,337	4,616	279	6.4%
98.8%	4,104	4,339	234	5.7%
100.0%	3,960	4,101	141	3.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,516	85,122	-2,394	-2.7%
1.2%	64,102	64,104	2	0.0%
2.5%	57,934	55,510	-2,424	-4.2%
3.7%	57,903	55,487	-2,415	-4.2%
4.9%	48,361	48,244	-116	-0.2%
6.2%	48,061	46,312	-1,749	-3.6%
7.4%	44,076	44,077	1	0.0%
8.6%	42,936	41,636	-1,299	-3.0%
9.9%	36,581	34,588	-1,993	-5.4%
11.1%	34,591	34,151	-440	-1.3%
12.3%	32,482	29,687	-2,795	-8.6%
13.6%	31,053	28,820	-2,234	-7.2%
14.8%	30,594	27,884	-2,710	-8.9%
16.0%	30,309	27,001	-3,308	-10.9%
17.3%	29,006	25,408	-3,598	-12.4%
18.5%	26,574	24,137	-2,437	-9.2%
19.8%	25,789	23,855	-1,934	-7.5%
21.0%	25,406	23,362	-2,044	-8.0%
22.2%	24,573	21,117	-3,456	-14.1%
23.5%	23,536	21,088	-2,449	-10.4%
24.7%	21,878	18,780	-3,098	-14.2%
25.9%	21,077	18,696	-2,381	-11.3%
27.2%	20,003	16,532	-3,470	-17.3%
28.4%	18,966	15,436	-3,530	-18.6%
29.6%	17,868	15,431	-2,437	-13.6%
30.9%	17,226	15,348	-1,878	-10.9%
32.1%	17,077	14,639	-2,438	-14.3%
33.3%	16,880	14,449	-2,431	-14.4%
34.6%	16,321	14,012	-2,309	-14.1%
35.8%	14,718	13,896	-823	-5.6%
37.0%	14,686	13,658	-1,028	-7.0%
38.3%	14,595	12,656	-1,939	-13.3%
39.5%	14,012	12,240	-1,771	-12.6%
40.7%	13,333	10,981	-2,352	-17.6%
42.0%	12,991	10,907	-2,085	-16.0%
43.2%	12,453	10,763	-1,690	-13.6%
44.4%	12,407	10,714	-1,694	-13.6%
45.7%	12,239	10,565	-1,674	-13.7%
46.9%	12,092	10,557	-1,535	-12.7%
48.1%	11,578	10,161	-1,416	-12.2%
49.4%	11,171	9,839	-1,333	-11.9%
50.6%	11,067	9,531	-1,536	-13.9%
51.9%	10,102	9,438	-664	-6.6%
53.1%	9,741	8,903	-838	-8.6%
54.3%	9,687	8,770	-917	-9.5%
55.6%	9,536	8,583	-953	-10.0%
56.8%	9,420	8,226	-1,194	-12.7%
58.0%	9,103	8,132	-972	-10.7%
59.3%	8,901	8,093	-808	-9.1%
60.5%	8,602	7,782	-820	-9.5%
61.7%	8,447	7,693	-754	-8.9%
63.0%	8,446	7,647	-798	-9.5%
64.2%	8,439	7,549	-890	-10.5%
65.4%	8,125	7,535	-591	-7.3%
66.7%	7,573	7,516	-57	-0.8%
67.9%	7,551	7,421	-131	-1.7%
69.1%	7,494	7,297	-197	-2.6%
70.4%	7,254	7,177	-77	-1.1%
71.6%	6,908	7,169	260	3.8%
72.8%	6,879	7,104	225	3.3%
74.1%	6,837	6,909	72	1.1%
75.3%	6,672	6,829	158	2.4%
76.5%	6,650	6,815	165	2.5%
77.8%	6,608	6,607	-1	0.0%
79.0%	6,599	6,593	-6	-0.1%
80.2%	6,569	6,530	-40	-0.6%
81.5%	6,414	6,521	107	1.7%
82.7%	6,327	6,517	189	3.0%
84.0%	6,315	6,406	91	1.4%
85.2%	6,198	6,316	118	1.9%
86.4%	5,993	6,208	215	3.6%
87.7%	5,943	6,198	255	4.3%
88.9%	5,683	6,113	430	7.6%
90.1%	5,548	6,069	521	9.4%
91.4%	5,510	5,990	481	8.7%
92.6%	5,448	5,940	492	9.0%
93.8%	5,334	5,715	381	7.1%
95.1%	5,253	5,689	436	8.3%
96.3%	5,222	5,540	317	6.1%
97.5%	4,920	5,536	616	12.5%
98.8%	4,837	5,219	382	7.9%
100.0%	4,817	4,127	-690	-14.3%

Table SW-13-7b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	78,982	-2,569	-3.2%
1.2%	73,485	76,350	2,865	3.9%
2.5%	72,391	72,404	14	0.0%
3.7%	60,933	60,931	-2	0.0%
4.9%	52,482	52,145	-336	-0.6%
6.2%	51,691	51,310	-381	-0.7%
7.4%	50,703	48,916	-1,787	-3.5%
8.6%	49,105	47,908	-1,198	-2.4%
9.9%	47,905	46,595	-1,309	-2.7%
11.1%	47,013	46,337	-676	-1.4%
12.3%	45,694	45,264	-431	-0.9%
13.6%	45,216	42,654	-2,562	-5.7%
14.8%	41,866	39,318	-2,549	-6.1%
16.0%	36,677	35,815	-863	-2.4%
17.3%	35,814	35,571	-243	-0.7%
18.5%	34,797	32,248	-2,549	-7.3%
19.8%	33,370	32,099	-1,271	-3.8%
21.0%	31,814	29,264	-2,551	-8.0%
22.2%	30,294	27,737	-2,557	-8.4%
23.5%	27,993	25,442	-2,551	-9.1%
24.7%	27,313	25,134	-2,179	-8.0%
25.9%	27,275	24,745	-2,530	-9.3%
27.2%	23,060	23,956	896	3.9%
28.4%	22,970	22,972	2	0.0%
29.6%	22,484	20,979	-1,505	-6.7%
30.9%	20,577	20,696	120	0.6%
32.1%	20,100	17,199	-2,902	-14.4%
33.3%	19,797	17,039	-2,758	-13.9%
34.6%	19,268	15,699	-3,568	-18.5%
35.8%	18,274	15,575	-2,699	-14.8%
37.0%	18,143	14,739	-3,404	-18.8%
38.3%	17,150	14,627	-2,523	-14.7%
39.5%	16,001	14,602	-1,399	-8.7%
40.7%	15,749	14,079	-1,670	-10.6%
42.0%	15,566	12,998	-2,568	-16.5%
43.2%	15,523	12,950	-2,573	-16.6%
44.4%	15,031	12,472	-2,559	-17.0%
45.7%	13,375	12,037	-1,338	-10.0%
46.9%	13,220	11,377	-1,843	-13.9%
48.1%	12,935	11,147	-1,789	-13.8%
49.4%	12,840	10,819	-2,021	-15.7%
50.6%	12,035	10,650	-1,386	-11.5%
51.9%	11,796	10,500	-1,297	-11.0%
53.1%	11,744	10,329	-1,415	-12.0%
54.3%	11,091	10,261	-830	-7.5%
55.6%	10,974	10,159	-815	-7.4%
56.8%	10,876	9,866	-1,010	-9.3%
58.0%	10,677	9,227	-1,450	-13.6%
59.3%	10,457	9,080	-1,377	-13.2%
60.5%	10,351	9,049	-1,303	-12.6%
61.7%	9,907	9,034	-873	-8.8%
63.0%	9,828	8,696	-1,132	-11.5%
64.2%	9,781	8,637	-1,144	-11.7%
65.4%	9,468	8,406	-1,062	-11.2%
66.7%	8,995	8,154	-841	-9.3%
67.9%	8,975	7,853	-1,122	-12.5%
69.1%	8,795	7,727	-1,068	-12.1%
70.4%	8,775	7,621	-1,154	-13.2%
71.6%	8,735	7,599	-1,136	-13.0%
72.8%	8,447	7,441	-1,005	-11.9%
74.1%	8,189	7,405	-785	-9.6%
75.3%	8,138	7,386	-752	-9.2%
76.5%	7,786	7,333	-452	-5.8%
77.8%	7,742	7,323	-419	-5.4%
79.0%	7,741	7,227	-514	-6.6%
80.2%	7,700	7,147	-553	-7.2%
81.5%	7,349	7,069	-280	-3.8%
82.7%	7,188	6,816	-372	-5.2%
84.0%	6,765	6,715	-50	-0.7%
85.2%	6,329	6,534	205	3.2%
86.4%	6,269	6,464	195	3.1%
87.7%	6,039	6,392	353	5.8%
88.9%	5,968	6,049	82	1.4%
90.1%	5,818	6,020	202	3.5%
91.4%	5,602	5,966	364	6.5%
92.6%	5,573	5,604	31	0.6%
93.8%	5,558	5,602	44	0.8%
95.1%	5,510	5,558	49	0.9%
96.3%	5,289	5,288	-1	0.0%
97.5%	4,975	5,168	193	3.9%
98.8%	4,894	4,791	-103	-2.1%
100.0%	4,773	4,586	-187	-3.9%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,963	2	0.0%
1.2%	76,606	72,703	-3,903	-5.1%
2.5%	59,064	59,072	7	0.0%
3.7%	53,953	53,885	-68	-0.1%
4.9%	52,087	52,088	1	0.0%
6.2%	44,292	39,968	-4,324	-9.8%
7.4%	37,412	33,479	-3,933	-10.5%
8.6%	36,276	33,103	-3,173	-8.7%
9.9%	33,130	32,348	-782	-2.4%
11.1%	30,981	27,060	-3,921	-12.7%
12.3%	29,603	26,969	-2,633	-8.9%
13.6%	26,653	26,933	280	1.1%
14.8%	24,221	24,217	-3	0.0%
16.0%	24,215	23,155	-1,060	-4.4%
17.3%	22,756	22,558	-198	-0.9%
18.5%	22,699	22,394	-305	-1.3%
19.8%	22,558	22,122	-436	-1.9%
21.0%	22,393	21,155	-1,238	-5.5%
22.2%	21,243	20,615	-628	-3.0%
23.5%	20,945	19,631	-1,314	-6.3%
24.7%	20,604	19,582	-1,022	-5.0%
25.9%	19,929	17,194	-2,735	-13.7%
27.2%	18,519	15,016	-3,503	-18.9%
28.4%	17,441	14,852	-2,588	-14.8%
29.6%	17,384	14,610	-2,774	-16.0%
30.9%	17,191	14,490	-2,702	-15.7%
32.1%	16,128	14,146	-1,982	-12.3%
33.3%	15,708	13,808	-1,901	-12.1%
34.6%	15,322	12,328	-2,994	-19.5%
35.8%	15,177	12,304	-2,873	-18.9%
37.0%	14,154	11,686	-2,468	-17.4%
38.3%	13,811	10,244	-3,567	-25.8%
39.5%	13,444	9,900	-3,543	-26.4%
40.7%	12,987	9,886	-3,101	-23.9%
42.0%	12,302	9,806	-2,497	-20.3%
43.2%	12,206	9,693	-2,513	-20.6%
44.4%	12,124	9,516	-2,608	-21.5%
45.7%	11,686	9,108	-2,578	-22.1%
46.9%	11,555	9,011	-2,543	-22.0%
48.1%	11,428	8,897	-2,532	-22.2%
49.4%	11,398	8,530	-2,867	-25.2%
50.6%	11,188	8,387	-2,801	-25.0%
51.9%	10,627	8,294	-2,333	-22.0%
53.1%	10,509	8,241	-2,268	-21.6%
54.3%	10,481	7,770	-2,711	-25.9%
55.6%	10,182	7,643	-2,539	-24.9%
56.8%	9,911	7,485	-2,426	-24.5%
58.0%	9,800	7,348	-2,452	-25.0%
59.3%	9,794	7,019	-2,775	-28.3%
60.5%	9,707	6,836	-2,870	-29.6%
61.7%	9,324	6,809	-2,515	-27.0%
63.0%	9,306	6,798	-2,508	-27.0%
64.2%	9,011	6,717	-2,293	-25.5%
65.4%	8,943	6,713	-2,230	-24.9%
66.7%	8,936	6,703	-2,233	-25.0%
67.9%	8,896	6,666	-2,230	-25.1%
69.1%	8,833	6,626	-2,206	-25.0%
70.4%	8,703	6,619	-2,084	-23.9%
71.6%	8,385	6,589	-1,796	-21.4%
72.8%	8,353	6,399	-1,953	-23.4%
74.1%	8,024	6,393	-1,631	-20.3%
75.3%	7,987	6,309	-1,678	-21.0%
76.5%	7,810	6,283	-1,527	-19.6%
77.8%	7,768	6,272	-1,496	-19.3%
79.0%	7,359	6,019	-1,340	-18.2%
80.2%	7,096	5,959	-1,137	-16.0%
81.5%	6,802	5,958	-843	-12.4%
82.7%	6,709	5,892	-817	-12.2%
84.0%	6,665	5,689	-975	-14.6%
85.2%	6,622	5,661	-961	-14.5%
86.4%	6,590	5,504	-1,086	-16.5%
87.7%	6,490	5,479	-1,012	-15.6%
88.9%	6,400	5,417	-983	-15.4%
90.1%	5,898	5,395	-503	-8.5%
91.4%	5,830	5,289	-542	-9.3%
92.6%	5,468	5,230	-238	-4.4%
93.8%	5,428	5,190	-237	-4.4%
95.1%	5,234	5,170	-64	-1.2%
96.3%	5,191	5,156	-35	-0.7%
97.5%	5,175	5,059	-116	-2.2%
98.8%	5,065	4,607	-458	-9.0%
100.0%	4,620	4,226	-394	-8.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	44,243	4	0.0%
1.2%	36,674	36,676	2	0.0%
2.5%	27,314	27,316	2	0.0%
3.7%	25,194	25,196	1	0.0%
4.9%	25,007	25,006	0	0.0%
6.2%	23,846	23,842	-4	0.0%
7.4%	19,529	19,526	-3	0.0%
8.6%	19,343	19,343	0	0.0%
9.9%	18,754	18,757	3	0.0%
11.1%	18,235	18,237	2	0.0%
12.3%	17,795	17,077	-718	-4.0%
13.6%	17,076	14,529	-2,547	-14.9%
14.8%	16,115	14,168	-1,947	-12.1%
16.0%	15,551	13,109	-2,441	-15.7%
17.3%	15,481	12,791	-2,690	-17.4%
18.5%	15,306	12,782	-2,523	-16.5%
19.8%	15,135	12,662	-2,474	-16.3%
21.0%	14,991	11,888	-3,104	-20.7%
22.2%	13,107	11,861	-1,246	-9.5%
23.5%	12,660	11,145	-1,515	-12.0%
24.7%	11,600	9,776	-1,824	-15.7%
25.9%	10,957	8,825	-2,132	-19.5%
27.2%	9,279	8,765	-514	-5.5%
28.4%	9,094	8,739	-355	-3.9%
29.6%	8,897	8,733	-164	-1.8%
30.9%	8,837	8,709	-128	-1.4%
32.1%	8,742	8,647	-96	-1.1%
33.3%	8,619	8,583	-36	-0.4%
34.6%	8,552	8,440	-112	-1.3%
35.8%	8,381	8,306	-75	-0.9%
37.0%	8,341	8,068	-273	-3.3%
38.3%	8,197	7,858	-339	-4.1%
39.5%	8,079	7,820	-259	-3.2%
40.7%	7,763	7,720	-43	-0.6%
42.0%	7,693	7,492	-201	-2.6%
43.2%	7,557	7,421	-135	-1.8%
44.4%	7,460	7,250	-209	-2.8%
45.7%	7,366	7,175	-191	-2.6%
46.9%	7,334	7,073	-261	-3.6%
48.1%	7,155	6,999	-157	-2.2%
49.4%	7,143	6,975	-168	-2.4%
50.6%	7,058	6,954	-104	-1.5%
51.9%	7,029	6,702	-327	-4.6%
53.1%	6,897	6,606	-290	-4.2%
54.3%	6,874	6,399	-475	-6.9%
55.6%	6,858	6,398	-460	-6.7%
56.8%	6,779	6,395	-383	-5.7%
58.0%	6,710	6,394	-316	-4.7%
59.3%	6,696	6,387	-309	-4.6%
60.5%	6,664	6,323	-340	-5.1%
61.7%	6,639	6,244	-395	-5.9%
63.0%	6,532	6,215	-317	-4.8%
64.2%	6,524	6,023	-501	-7.7%
65.4%	6,505	5,959	-546	-8.4%
66.7%	6,392	5,809	-583	-9.1%
67.9%	6,314	5,795	-519	-8.2%
69.1%	6,308	5,769	-539	-8.5%
70.4%	6,165	5,703	-463	-7.5%
71.6%	6,133	5,641	-493	-8.0%
72.8%	6,027	5,628	-400	-6.6%
74.1%	6,020	5,621	-399	-6.6%
75.3%	5,971	5,302	-669	-11.2%
76.5%	5,968	5,204	-764	-12.8%
77.8%	5,845	5,171	-674	-11.5%
79.0%	5,750	5,148	-602	-10.5%
80.2%	5,736	5,108	-628	-11.0%
81.5%	5,727	5,102	-626	-10.9%
82.7%	5,677	4,991	-686	-12.1%
84.0%	5,628	4,849	-779	-13.8%
85.2%	5,625	4,839	-786	-14.0%
86.4%	5,617	4,818	-799	-14.2%
87.7%	5,586	4,815	-772	-13.8%
88.9%	5,549	4,807	-743	-13.4%
90.1%	5,538	4,740	-798	-14.4%
91.4%	5,297	4,569	-728	-13.7%
92.6%	5,294	4,549	-745	-14.1%
93.8%	5,277	4,479	-798	-15.1%
95.1%	5,173	4,378	-795	-15.4%
96.3%	4,827	4,364	-463	-9.6%
97.5%	4,723	4,310	-413	-8.7%
98.8%	4,544	4,208	-336	-7.4%
100.0%	4,481	4,082	-399	-8.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,922	24,924	2	0.0%
1.2%	19,421	19,185	-236	-1.2%
2.5%	19,182	18,454	-728	-3.8%
3.7%	18,455	18,292	-163	-0.9%
4.9%	18,395	17,579	-816	-4.4%
6.2%	17,484	17,380	-104	-0.6%
7.4%	14,634	14,727	93	0.6%
8.6%	14,601	14,423	-178	-1.2%
9.9%	14,416	14,343	-73	-0.5%
11.1%	13,794	12,719	-1,075	-7.8%
12.3%	12,718	12,493	-225	-1.8%
13.6%	12,492	12,238	-255	-2.0%
14.8%	12,343	11,860	-482	-3.9%
16.0%	11,860	11,639	-221	-1.9%
17.3%	11,640	10,292	-1,348	-11.6%
18.5%	11,132	10,118	-1,014	-9.1%
19.8%	10,681	9,668	-1,013	-9.5%
21.0%	10,627	9,490	-1,137	-10.7%
22.2%	9,718	9,107	-611	-6.3%
23.5%	9,562	9,033	-529	-5.5%
24.7%	9,525	8,823	-702	-7.4%
25.9%	9,023	8,759	-264	-2.9%
27.2%	8,534	8,734	201	2.4%
28.4%	8,488	8,534	46	0.5%
29.6%	8,476	8,354	-121	-1.4%
30.9%	8,264	8,192	-73	-0.9%
32.1%	8,222	8,102	-120	-1.5%
33.3%	8,193	7,737	-457	-5.6%
34.6%	8,154	7,688	-466	-5.7%
35.8%	8,096	7,530	-566	-7.0%
37.0%	7,860	7,522	-338	-4.3%
38.3%	7,766	7,479	-288	-3.7%
39.5%	7,723	7,473	-250	-3.2%
40.7%	7,714	7,460	-254	-3.3%
42.0%	7,655	7,308	-346	-4.5%
43.2%	7,650	7,267	-383	-5.0%
44.4%	7,562	7,197	-365	-4.8%
45.7%	7,459	7,173	-286	-3.8%
46.9%	7,236	7,143	-93	-1.3%
48.1%	7,220	7,134	-86	-1.2%
49.4%	7,218	7,133	-84	-1.2%
50.6%	7,168	7,074	-93	-1.3%
51.9%	7,072	7,040	-32	-0.4%
53.1%	7,039	7,019	-20	-0.3%
54.3%	7,038	6,909	-128	-1.8%
55.6%	6,948	6,868	-80	-1.2%
56.8%	6,868	6,849	-20	-0.3%
58.0%	6,778	6,819	41	0.6%
59.3%	6,741	6,762	21	0.3%
60.5%	6,662	6,743	81	1.2%
61.7%	6,588	6,737	149	2.3%
63.0%	6,512	6,699	187	2.9%
64.2%	6,495	6,636	141	2.2%
65.4%	6,389	6,631	241	3.8%
66.7%	6,343	6,544	201	3.2%
67.9%	6,326	6,519	193	3.0%
69.1%	6,228	6,495	268	4.3%
70.4%	6,187	6,441	254	4.1%
71.6%	6,180	6,438	257	4.2%
72.8%	6,178	6,430	252	4.1%
74.1%	6,153	6,373	220	3.6%
75.3%	6,119	6,363	243	4.0%
76.5%	6,110	6,270	160	2.6%
77.8%	6,108	6,248	140	2.3%
79.0%	6,083	6,248	165	2.7%
80.2%	6,060	6,246	186	3.1%
81.5%	5,999	6,131	132	2.2%
82.7%	5,953	6,043	90	1.5%
84.0%	5,947	5,988	41	0.7%
85.2%	5,884	5,983	99	1.7%
86.4%	5,864	5,836	-29	-0.5%
87.7%	5,839	5,799	-39	-0.7%
88.9%	5,835	5,757	-78	-1.3%
90.1%	5,801	5,503	-299	-5.1%
91.4%	5,799	5,228	-572	-9.9%
92.6%	5,753	5,047	-706	-12.3%
93.8%	5,718	5,000	-719	-12.6%
95.1%	5,580	4,576	-1,004	-18.0%
96.3%	5,546	4,555	-991	-17.9%
97.5%	5,455	4,509	-946	-17.3%
98.8%	5,232	4,407	-825	-15.8%
100.0%	5,112	4,131	-981	-19.2%

Table SW-13-7b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,863	625	2.7%
1.2%	15,154	15,816	663	4.4%
2.5%	12,310	13,485	1,175	9.5%
3.7%	12,186	13,429	1,243	10.2%
4.9%	11,855	11,860	5	0.0%
6.2%	11,585	11,744	160	1.4%
7.4%	11,085	11,467	382	3.4%
8.6%	11,039	11,165	126	1.1%
9.9%	10,316	11,143	827	8.0%
11.1%	10,131	10,709	579	5.7%
12.3%	9,854	10,641	787	8.0%
13.6%	9,691	10,624	933	9.6%
14.8%	9,631	10,481	850	8.8%
16.0%	9,611	10,454	843	8.8%
17.3%	9,443	10,336	893	9.5%
18.5%	9,315	10,270	955	10.3%
19.8%	9,305	10,201	896	9.6%
21.0%	9,256	10,159	903	9.8%
22.2%	9,236	10,060	824	8.9%
23.5%	9,193	10,057	864	9.4%
24.7%	9,141	10,014	873	9.5%
25.9%	9,119	9,992	874	9.6%
27.2%	9,036	9,784	748	8.3%
28.4%	8,985	9,630	646	7.2%
29.6%	8,978	9,608	630	7.0%
30.9%	8,938	9,567	629	7.0%
32.1%	8,921	9,549	628	7.0%
33.3%	8,823	9,536	713	8.1%
34.6%	8,806	9,412	606	6.9%
35.8%	8,743	9,288	545	6.2%
37.0%	8,706	9,274	569	6.5%
38.3%	8,664	9,269	605	7.0%
39.5%	8,555	9,262	708	8.3%
40.7%	8,504	9,231	727	8.6%
42.0%	8,418	9,202	784	9.3%
43.2%	8,378	9,135	757	9.0%
44.4%	8,375	9,087	712	8.5%
45.7%	8,329	9,082	753	9.0%
46.9%	8,232	9,023	791	9.6%
48.1%	8,201	9,019	817	10.0%
49.4%	8,192	9,014	822	10.0%
50.6%	8,167	9,006	839	10.3%
51.9%	8,162	8,962	800	9.8%
53.1%	8,129	8,954	825	10.1%
54.3%	8,090	8,921	832	10.3%
55.6%	8,087	8,920	833	10.3%
56.8%	8,067	8,905	837	10.4%
58.0%	8,067	8,870	803	10.0%
59.3%	8,040	8,827	787	9.8%
60.5%	8,031	8,740	709	8.8%
61.7%	8,027	8,696	669	8.3%
63.0%	8,004	8,560	556	7.0%
64.2%	7,923	8,548	624	7.9%
65.4%	7,864	8,546	683	8.7%
66.7%	7,848	8,475	627	8.0%
67.9%	7,840	8,444	603	7.7%
69.1%	7,829	8,427	599	7.6%
70.4%	7,759	8,420	661	8.5%
71.6%	7,740	8,413	673	8.7%
72.8%	7,670	8,313	643	8.4%
74.1%	7,581	8,237	656	8.7%
75.3%	7,421	8,232	811	10.9%
76.5%	7,395	8,223	828	11.2%
77.8%	7,329	8,172	843	11.5%
79.0%	7,304	8,168	864	11.8%
80.2%	7,265	8,040	775	10.7%
81.5%	7,261	8,015	754	10.4%
82.7%	7,235	7,923	688	9.5%
84.0%	7,223	7,862	639	8.8%
85.2%	7,186	7,844	658	9.2%
86.4%	7,185	7,829	644	9.0%
87.7%	7,118	7,794	676	9.5%
88.9%	7,090	7,700	611	8.6%
90.1%	7,067	7,639	572	8.1%
91.4%	6,982	7,608	626	9.0%
92.6%	6,939	7,555	616	8.9%
93.8%	6,935	7,517	582	8.4%
95.1%	6,879	7,437	558	8.1%
96.3%	6,608	7,289	681	10.3%
97.5%	6,022	7,284	1,262	20.9%
98.8%	5,932	7,150	1,218	20.5%
100.0%	5,783	6,100	316	5.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,434	994	7.4%
1.2%	13,350	14,205	855	6.4%
2.5%	12,902	14,136	1,234	9.6%
3.7%	12,551	14,132	1,581	12.6%
4.9%	12,194	14,099	1,905	15.6%
6.2%	11,959	14,018	2,059	17.2%
7.4%	11,917	13,692	1,775	14.9%
8.6%	11,821	13,685	1,864	15.8%
9.9%	11,811	13,400	1,589	13.4%
11.1%	11,760	13,388	1,628	13.8%
12.3%	11,714	13,378	1,665	14.2%
13.6%	11,688	13,319	1,631	14.0%
14.8%	11,680	13,223	1,542	13.2%
16.0%	11,624	13,212	1,588	13.7%
17.3%	11,565	13,047	1,482	12.8%
18.5%	11,526	13,039	1,514	13.1%
19.8%	11,421	12,936	1,515	13.3%
21.0%	11,377	12,728	1,351	11.9%
22.2%	11,367	12,689	1,322	11.6%
23.5%	11,230	12,401	1,171	10.4%
24.7%	11,220	12,381	1,161	10.4%
25.9%	11,215	12,377	1,162	10.4%
27.2%	11,141	12,296	1,155	10.4%
28.4%	11,096	12,224	1,127	10.2%
29.6%	11,079	12,182	1,104	10.0%
30.9%	11,012	12,084	1,072	9.7%
32.1%	10,976	11,949	973	8.9%
33.3%	10,956	11,944	988	9.0%
34.6%	10,954	11,877	923	8.4%
35.8%	10,935	11,865	930	8.5%
37.0%	10,904	11,824	921	8.4%
38.3%	10,837	11,690	853	7.9%
39.5%	10,730	11,663	933	8.7%
40.7%	10,676	11,657	981	9.2%
42.0%	10,482	11,554	1,072	10.2%
43.2%	10,464	11,513	1,048	10.0%
44.4%	10,405	11,414	1,009	9.7%
45.7%	10,228	11,367	1,139	11.1%
46.9%	10,223	11,280	1,057	10.3%
48.1%	10,220	11,239	1,019	10.0%
49.4%	9,816	11,228	1,412	14.4%
50.6%	9,644	11,204	1,561	16.2%
51.9%	9,551	11,148	1,597	16.7%
53.1%	9,518	11,144	1,626	17.1%
54.3%	9,509	11,104	1,594	16.8%
55.6%	9,507	11,096	1,590	16.7%
56.8%	9,494	11,088	1,595	16.8%
58.0%	9,397	11,033	1,636	17.4%
59.3%	9,243	10,877	1,634	17.7%
60.5%	9,205	10,780	1,574	17.1%
61.7%	9,155	10,729	1,574	17.2%
63.0%	9,154	10,727	1,573	17.2%
64.2%	9,054	10,705	1,651	18.2%
65.4%	9,038	10,579	1,542	17.1%
66.7%	9,037	10,540	1,503	16.6%
67.9%	9,014	10,537	1,522	16.9%
69.1%	8,987	10,525	1,538	17.1%
70.4%	8,923	10,497	1,574	17.6%
71.6%	8,778	10,483	1,705	19.4%
72.8%	8,715	10,427	1,712	19.6%
74.1%	8,696	10,310	1,614	18.6%
75.3%	8,688	10,167	1,479	17.0%
76.5%	8,621	10,152	1,531	17.8%
77.8%	8,618	10,071	1,453	16.9%
79.0%	8,559	9,798	1,239	14.5%
80.2%	8,520	9,522	1,002	11.8%
81.5%	8,515	9,365	850	10.0%
82.7%	8,484	9,298	814	9.6%
84.0%	8,291	9,255	964	11.6%
85.2%	8,283	9,066	783	9.5%
86.4%	8,233	9,054	821	10.0%
87.7%	7,939	8,996	1,057	13.3%
88.9%	7,842	8,860	1,018	13.0%
90.1%	7,754	8,795	1,041	13.4%
91.4%	7,668	8,656	989	12.9%
92.6%	7,599	8,569	970	12.8%
93.8%	7,567	8,393	826	10.9%
95.1%	7,554	8,272	718	9.5%
96.3%	7,553	8,235	682	9.0%
97.5%	7,406	8,086	680	9.2%
98.8%	7,215	7,919	704	9.8%
100.0%	6,416	7,760	1,344	20.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	12,285	561	4.8%
1.2%	11,660	11,661	1	0.0%
2.5%	11,581	11,291	-290	-2.5%
3.7%	11,021	11,040	19	0.2%
4.9%	11,011	11,026	16	0.1%
6.2%	10,576	10,836	260	2.5%
7.4%	10,435	10,777	342	3.3%
8.6%	10,083	10,759	676	6.7%
9.9%	10,008	10,601	593	5.9%
11.1%	10,001	9,841	-161	-1.6%
12.3%	9,571	9,788	217	2.3%
13.6%	9,487	9,728	241	2.5%
14.8%	9,481	9,259	-221	-2.3%
16.0%	9,453	9,249	-204	-2.2%
17.3%	9,423	9,247	-176	-1.9%
18.5%	9,278	9,243	-35	-0.4%
19.8%	9,207	9,232	25	0.3%
21.0%	9,130	9,224	94	1.0%
22.2%	9,031	9,087	56	0.6%
23.5%	8,735	8,968	233	2.7%
24.7%	8,723	8,901	178	2.0%
25.9%	8,636	8,850	215	2.5%
27.2%	8,613	8,794	182	2.1%
28.4%	8,595	8,718	123	1.4%
29.6%	8,419	8,697	278	3.3%
30.9%	8,297	8,689	392	4.7%
32.1%	8,254	8,619	365	4.4%
33.3%	8,229	8,574	345	4.2%
34.6%	8,167	8,330	164	2.0%
35.8%	8,136	8,328	193	2.4%
37.0%	8,130	8,325	195	2.4%
38.3%	8,124	8,273	148	1.8%
39.5%	8,042	8,241	199	2.5%
40.7%	8,038	8,241	202	2.5%
42.0%	7,990	8,234	245	3.1%
43.2%	7,922	8,200	278	3.5%
44.4%	7,906	8,129	223	2.8%
45.7%	7,905	8,127	222	2.8%
46.9%	7,900	8,083	183	2.3%
48.1%	7,828	8,064	236	3.0%
49.4%	7,828	8,060	232	3.0%
50.6%	7,787	8,050	263	3.4%
51.9%	7,729	7,954	225	2.9%
53.1%	7,686	7,937	251	3.3%
54.3%	7,682	7,883	201	2.6%
55.6%	7,592	7,784	192	2.5%
56.8%	7,592	7,777	185	2.4%
58.0%	7,555	7,773	218	2.9%
59.3%	7,527	7,686	159	2.1%
60.5%	7,517	7,637	120	1.6%
61.7%	7,501	7,631	130	1.7%
63.0%	7,458	7,618	160	2.1%
64.2%	7,435	7,584	149	2.0%
65.4%	7,416	7,537	120	1.6%
66.7%	7,377	7,515	138	1.9%
67.9%	7,345	7,460	115	1.6%
69.1%	7,341	7,360	19	0.3%
70.4%	7,295	7,235	-60	-0.8%
71.6%	7,188	7,184	-4	-0.1%
72.8%	7,173	7,121	-52	-0.7%
74.1%	7,158	7,085	-74	-1.0%
75.3%	7,135	7,035	-100	-1.4%
76.5%	7,118	6,975	-143	-2.0%
77.8%	7,087	6,930	-157	-2.2%
79.0%	6,930	6,900	-30	-0.4%
80.2%	6,913	6,895	-18	-0.3%
81.5%	6,852	6,812	-39	-0.6%
82.7%	6,809	6,765	-43	-0.6%
84.0%	6,725	6,724	0	0.0%
85.2%	6,678	6,698	20	0.3%
86.4%	6,663	6,695	32	0.5%
87.7%	6,562	6,658	96	1.5%
88.9%	6,523	6,631	108	1.7%
90.1%	6,461	6,626	165	2.6%
91.4%	6,448	6,581	133	2.1%
92.6%	6,439	6,570	131	2.0%
93.8%	6,381	6,568	186	2.9%
95.1%	6,360	6,565	205	3.2%
96.3%	6,266	6,551	285	4.6%
97.5%	5,826	6,228	402	6.9%
98.8%	5,678	6,093	415	7.3%
100.0%	5,574	5,920	347	6.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,961	14,649	-1,312	-8.2%
1.2%	14,688	14,500	-187	-1.3%
2.5%	14,611	14,407	-204	-1.4%
3.7%	14,560	14,098	-463	-3.2%
4.9%	14,379	13,933	-446	-3.1%
6.2%	14,033	13,852	-181	-1.3%
7.4%	13,389	13,694	305	2.3%
8.6%	13,292	13,491	200	1.5%
9.9%	12,971	13,294	323	2.5%
11.1%	12,766	13,140	374	2.9%
12.3%	12,705	13,082	377	3.0%
13.6%	12,656	12,256	-400	-3.2%
14.8%	12,561	12,195	-366	-2.9%
16.0%	12,476	12,080	-396	-3.2%
17.3%	12,037	11,573	-464	-3.9%
18.5%	12,037	11,403	-633	-5.3%
19.8%	11,870	11,383	-487	-4.1%
21.0%	11,770	11,310	-460	-3.9%
22.2%	11,521	11,275	-246	-2.1%
23.5%	11,267	11,224	-43	-0.4%
24.7%	10,992	11,181	189	1.7%
25.9%	10,678	10,781	103	1.0%
27.2%	10,346	10,726	380	3.7%
28.4%	10,236	10,526	290	2.8%
29.6%	9,736	9,016	-720	-7.4%
30.9%	9,696	8,994	-702	-7.2%
32.1%	9,477	8,774	-703	-7.4%
33.3%	9,234	8,744	-490	-5.3%
34.6%	8,976	8,617	-360	-4.0%
35.8%	8,681	7,674	-1,007	-11.6%
37.0%	8,644	7,460	-1,184	-13.7%
38.3%	8,467	7,240	-1,227	-14.5%
39.5%	8,287	7,232	-1,055	-12.7%
40.7%	7,573	6,756	-817	-10.8%
42.0%	7,039	6,726	-313	-4.4%
43.2%	6,539	6,580	41	0.6%
44.4%	6,531	6,487	-44	-0.7%
45.7%	6,514	6,461	-52	-0.8%
46.9%	6,502	6,417	-85	-1.3%
48.1%	6,456	6,337	-119	-1.8%
49.4%	6,418	6,328	-91	-1.4%
50.6%	6,197	6,256	59	1.0%
51.9%	6,141	6,040	-101	-1.6%
53.1%	6,129	5,989	-141	-2.3%
54.3%	5,991	5,961	-30	-0.5%
55.6%	5,887	5,945	57	1.0%
56.8%	5,832	5,878	47	0.8%
58.0%	5,743	5,862	119	2.1%
59.3%	5,710	5,859	150	2.6%
60.5%	5,673	5,706	32	0.6%
61.7%	5,590	5,685	95	1.7%
63.0%	5,489	5,657	168	3.1%
64.2%	5,483	5,632	149	2.7%
65.4%	5,479	5,548	69	1.3%
66.7%	5,479	5,523	44	0.8%
67.9%	5,465	5,506	41	0.8%
69.1%	5,462	5,445	-17	-0.3%
70.4%	5,407	5,445	38	0.7%
71.6%	5,327	5,411	84	1.6%
72.8%	5,253	5,397	145	2.8%
74.1%	5,228	5,372	145	2.8%
75.3%	5,162	5,308	146	2.8%
76.5%	5,046	5,298	252	5.0%
77.8%	4,982	5,239	257	5.2%
79.0%	4,963	5,184	222	4.5%
80.2%	4,961	5,108	146	3.0%
81.5%	4,948	5,064	117	2.4%
82.7%	4,869	5,040	171	3.5%
84.0%	4,832	5,009	177	3.7%
85.2%	4,728	5,007	279	5.9%
86.4%	4,682	4,726	44	0.9%
87.7%	4,610	4,651	41	0.9%
88.9%	4,434	4,634	200	4.5%
90.1%	4,377	4,580	204	4.7%
91.4%	4,351	4,468	118	2.7%
92.6%	4,045	4,304	259	6.4%
93.8%	4,041	4,239	198	4.9%
95.1%	3,977	4,027	50	1.3%
96.3%	3,964	4,023	59	1.5%
97.5%	3,909	4,012	103	2.6%
98.8%	3,886	4,005	119	3.1%
100.0%	3,843	4,005	162	4.2%

Table SW-14-7a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,234	8,862	14,547	21,245	25,498	19,959	11,661	8,385	7,862	8,770	7,277	8,066
Alternative C	7,133	9,911	14,040	19,424	23,786	17,879	11,279	8,371	8,250	10,342	8,347	9,062
Difference	899	1,049	-507	-1,821	-1,712	-2,080	-382	-14	388	1,572	1,070	996
Percent Difference[3]	14.4%	11.8%	-3.5%	-8.6%	-6.7%	-10.4%	-3.3%	-0.2%	4.9%	17.9%	14.7%	12.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,414	11,413	15,337	38,456	42,977	33,038	19,238	12,191	8,789	8,608	7,521	12,512
Alternative C	8,867	12,699	14,478	36,503	41,240	31,796	18,924	12,077	9,247	10,159	7,701	13,597
Difference	1,453	1,287	-860	-1,953	-1,737	-1,242	-313	-115	458	1,551	179	1,085
Percent Difference	19.6%	11.3%	-5.6%	-5.1%	-4.0%	-3.8%	-1.6%	-0.9%	5.2%	18.0%	2.4%	8.7%
Above Normal (15%)												
No Action Alternative	6,212	11,019	14,836	24,491	32,399	23,921	11,972	8,904	7,864	9,087	7,132	8,159
Alternative C	7,166	12,379	13,910	20,946	29,614	20,833	11,112	8,667	7,832	11,095	7,849	8,898
Difference	954	1,360	-926	-3,546	-2,785	-3,088	-860	-237	-33	2,008	717	738
Percent Difference	15.4%	12.3%	-6.2%	-14.5%	-8.6%	-12.9%	-7.2%	-2.7%	-0.4%	22.1%	10.1%	9.0%
Below Normal (17%)												
No Action Alternative	5,761	8,082	16,579	12,964	17,158	12,172	8,782	6,787	7,244	8,240	6,717	5,287
Alternative C	6,852	9,113	16,155	10,577	15,580	9,455	8,162	6,545	7,400	10,365	7,867	6,226
Difference	1,091	1,031	-423	-2,387	-1,578	-2,717	-619	-242	157	2,125	1,150	938
Percent Difference	18.9%	12.8%	-2.6%	-18.4%	-9.2%	-22.3%	-7.1%	-3.6%	2.2%	25.8%	17.1%	17.7%
Dry (22%)												
No Action Alternative	5,620	6,869	16,082	9,443	13,412	12,190	6,698	5,860	7,336	9,060	7,454	5,603
Alternative C	5,903	7,915	16,219	8,574	11,792	9,293	6,398	6,199	8,007	10,510	9,247	6,927
Difference	283	1,046	137	-870	-1,619	-2,897	-300	340	671	1,450	1,793	1,324
Percent Difference	5.0%	15.2%	0.9%	-9.2%	-12.1%	-23.8%	-4.5%	5.8%	9.2%	16.0%	24.1%	23.6%
Critical (15%)												
No Action Alternative	5,171	5,078	7,875	8,072	8,584	8,396	5,736	5,274	7,363	8,990	7,279	5,274
Alternative C	5,515	5,324	7,487	7,496	7,708	7,480	5,841	5,436	7,865	9,708	9,454	5,912
Difference	344	246	-389	-575	-876	-916	105	162	502	718	2,175	638
Percent Difference	6.6%	4.8%	-4.9%	-7.1%	-10.2%	-10.9%	1.8%	3.1%	6.8%	8.0%	29.9%	12.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-14-7b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

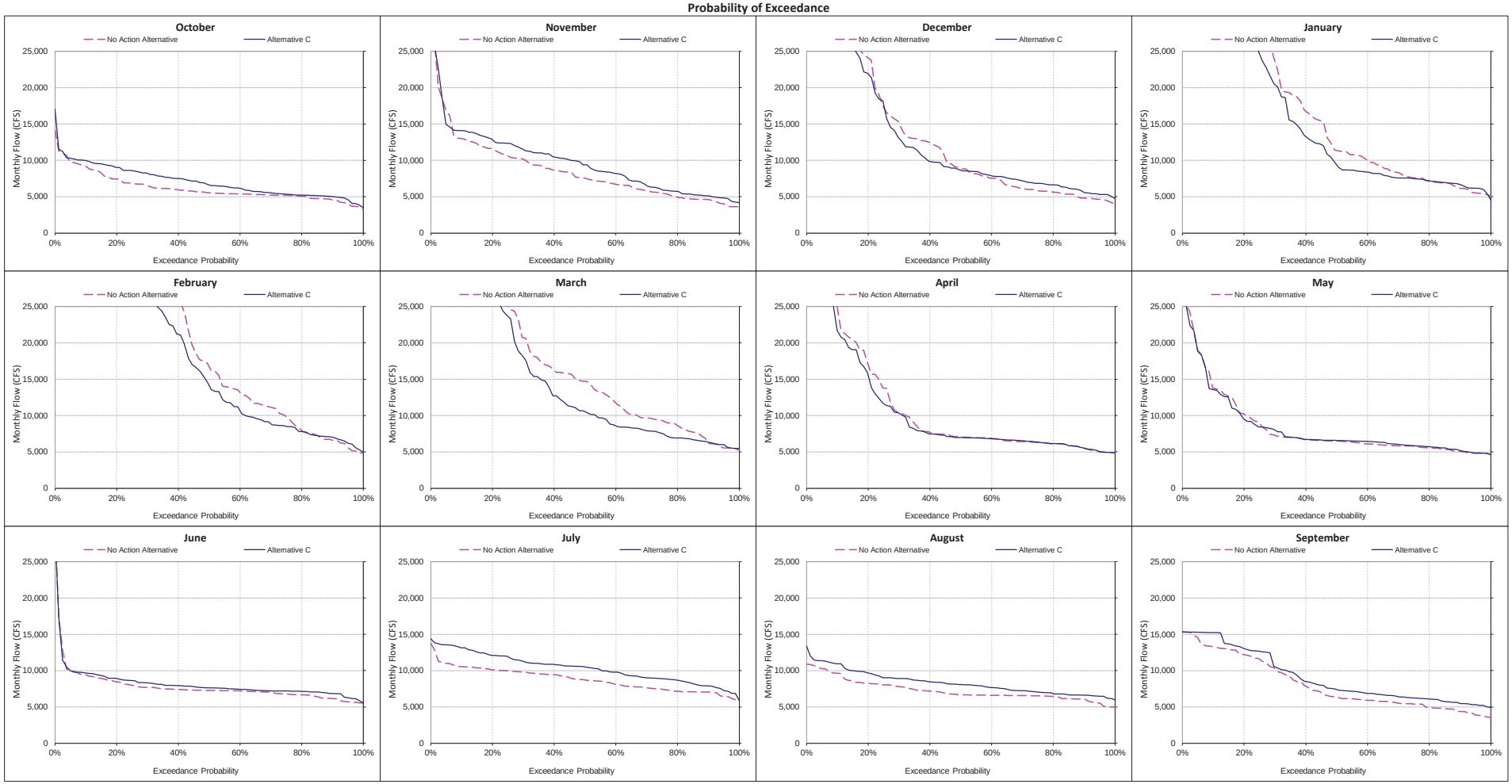

Table SW-14-7b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	17,073	2,871	20.2%
1.2%	11,267	11,502	235	2.1%
2.5%	11,029	11,249	220	2.0%
3.7%	10,674	10,353	-322	-3.0%
4.9%	9,728	10,300	572	5.9%
6.2%	9,703	10,183	480	4.9%
7.4%	9,515	10,065	551	5.8%
8.6%	9,336	10,051	716	7.7%
9.9%	9,236	9,988	752	8.1%
11.1%	8,839	9,834	994	11.2%
12.3%	8,677	9,645	967	11.1%
13.6%	8,614	9,581	968	11.2%
14.8%	8,331	9,528	1,198	14.4%
16.0%	7,832	9,429	1,596	20.4%
17.3%	7,676	9,328	1,653	21.5%
18.5%	7,475	9,235	1,760	23.5%
19.8%	7,420	9,055	1,635	22.0%
21.0%	7,420	8,988	1,569	21.1%
22.2%	6,924	8,628	1,704	24.6%
23.5%	6,913	8,627	1,714	24.8%
24.7%	6,873	8,610	1,737	25.3%
25.9%	6,783	8,525	1,742	25.7%
27.2%	6,740	8,419	1,678	24.9%
28.4%	6,721	8,279	1,558	23.2%
29.6%	6,589	8,277	1,688	25.6%
30.9%	6,382	8,052	1,670	26.2%
32.1%	6,216	8,017	1,801	29.0%
33.3%	6,178	7,838	1,660	26.9%
34.6%	6,154	7,833	1,680	27.3%
35.8%	6,144	7,679	1,535	25.0%
37.0%	6,118	7,641	1,523	24.9%
38.3%	6,106	7,543	1,437	23.5%
39.5%	5,972	7,508	1,536	25.7%
40.7%	5,908	7,491	1,583	26.8%
42.0%	5,885	7,403	1,518	25.8%
43.2%	5,810	7,245	1,435	24.7%
44.4%	5,805	7,165	1,360	23.4%
45.7%	5,687	7,163	1,476	25.9%
46.9%	5,648	6,957	1,309	23.2%
48.1%	5,646	6,897	1,251	22.2%
49.4%	5,541	6,706	1,165	21.0%
50.6%	5,525	6,536	1,011	18.3%
51.9%	5,494	6,523	1,029	18.7%
53.1%	5,474	6,468	993	18.1%
54.3%	5,458	6,460	1,002	18.4%
55.6%	5,407	6,386	979	18.1%
56.8%	5,404	6,273	869	16.1%
58.0%	5,395	6,218	823	15.3%
59.3%	5,374	6,218	844	15.7%
60.5%	5,373	6,111	739	13.7%
61.7%	5,360	5,901	541	10.1%
63.0%	5,336	5,848	512	9.6%
64.2%	5,322	5,737	415	7.8%
65.4%	5,314	5,711	397	7.5%
66.7%	5,291	5,695	404	7.6%
67.9%	5,273	5,587	315	6.0%
69.1%	5,237	5,582	345	6.6%
70.4%	5,236	5,509	273	5.2%
71.6%	5,211	5,445	234	4.5%
72.8%	5,204	5,428	224	4.3%
74.1%	5,202	5,374	173	3.3%
75.3%	5,185	5,336	151	2.9%
76.5%	5,160	5,304	144	2.8%
77.8%	5,109	5,240	131	2.6%
79.0%	5,084	5,224	140	2.8%
80.2%	5,055	5,219	164	3.2%
81.5%	5,042	5,187	144	2.9%
82.7%	4,795	5,168	372	7.8%
84.0%	4,755	5,160	404	8.5%
85.2%	4,731	5,153	422	8.9%
86.4%	4,713	5,117	404	8.6%
87.7%	4,708	5,100	392	8.3%
88.9%	4,676	5,045	368	7.9%
90.1%	4,552	5,023	471	10.4%
91.4%	4,517	4,928	411	9.1%
92.6%	4,210	4,901	691	16.4%
93.8%	4,186	4,820	634	15.1%
95.1%	3,897	4,579	682	17.5%
96.3%	3,710	4,096	386	10.4%
97.5%	3,673	4,055	382	10.4%
98.8%	3,581	3,818	236	6.6%
100.0%	3,225	3,504	278	8.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	37,791	-4,523	-10.7%
1.2%	26,322	25,796	-526	-2.0%
2.5%	20,070	22,616	2,546	12.7%
3.7%	18,483	18,615	131	0.7%
4.9%	16,842	14,957	-1,885	-11.2%
6.2%	16,132	14,577	-1,555	-9.6%
7.4%	13,510	14,157	648	4.8%
8.6%	13,069	14,116	1,047	8.0%
9.9%	13,002	14,112	1,110	8.5%
11.1%	12,862	14,057	1,195	9.3%
12.3%	12,655	13,875	1,221	9.6%
13.6%	12,525	13,857	1,332	10.6%
14.8%	12,349	13,692	1,343	10.9%
16.0%	11,895	13,443	1,548	13.0%
17.3%	11,871	13,307	1,436	12.1%
18.5%	11,664	13,109	1,445	12.4%
19.8%	11,635	12,944	1,309	11.2%
21.0%	11,341	12,470	1,129	10.0%
22.2%	11,075	12,398	1,323	11.9%
23.5%	10,860	12,385	1,525	14.0%
24.7%	10,692	12,349	1,657	15.5%
25.9%	10,383	12,333	1,950	18.8%
27.2%	10,333	12,027	1,694	16.4%
28.4%	10,259	11,827	1,569	15.3%
29.6%	10,215	11,571	1,356	13.3%
30.9%	9,988	11,319	1,331	13.3%
32.1%	9,537	11,249	1,711	17.9%
33.3%	9,365	11,068	1,703	18.2%
34.6%	9,357	11,030	1,673	17.9%
35.8%	9,291	11,023	1,732	18.6%
37.0%	8,911	10,902	1,991	22.3%
38.3%	8,889	10,882	1,993	22.4%
39.5%	8,703	10,518	1,816	20.9%
40.7%	8,640	10,416	1,776	20.6%
42.0%	8,509	10,288	1,779	20.9%
43.2%	8,409	10,258	1,849	22.0%
44.4%	8,407	10,127	1,720	20.5%
45.7%	8,350	9,983	1,632	19.5%
46.9%	7,709	9,936	2,227	28.9%
48.1%	7,647	9,859	2,211	28.9%
49.4%	7,641	9,393	1,752	22.9%
50.6%	7,477	9,378	1,901	25.4%
51.9%	7,344	8,914	1,570	21.4%
53.1%	7,187	8,646	1,459	20.3%
54.3%	7,144	8,511	1,367	19.1%
55.6%	7,085	8,493	1,408	19.9%
56.8%	7,046	8,424	1,378	19.6%
58.0%	6,876	8,368	1,493	21.7%
59.3%	6,758	8,227	1,469	21.7%
60.5%	6,682	8,185	1,503	22.5%
61.7%	6,625	8,064	1,439	21.7%
63.0%	6,571	7,823	1,253	19.1%
64.2%	6,558	7,307	750	11.4%
65.4%	6,232	7,173	941	15.1%
66.7%	6,075	7,155	1,080	17.8%
67.9%	6,004	7,065	1,061	17.7%
69.1%	5,907	6,777	870	14.7%
70.4%	5,791	6,438	647	11.2%
71.6%	5,656	6,314	658	11.6%
72.8%	5,607	6,297	691	12.3%
74.1%	5,564	6,140	575	10.3%
75.3%	5,444	5,884	439	8.1%
76.5%	5,376	5,860	484	9.0%
77.8%	5,162	5,787	625	12.1%
79.0%	5,030	5,775	745	14.8%
80.2%	4,870	5,734	863	17.7%
81.5%	4,858	5,394	536	11.0%
82.7%	4,725	5,391	666	14.1%
84.0%	4,697	5,390	693	14.8%
85.2%	4,667	5,262	595	12.7%
86.4%	4,655	5,221	566	12.2%
87.7%	4,642	5,215	573	12.3%
88.9%	4,629	5,142	513	11.1%
90.1%	4,616	5,118	501	10.9%
91.4%	4,461	5,001	539	12.1%
92.6%	4,308	4,930	622	14.4%
93.8%	4,082	4,849	767	18.8%
95.1%	4,003	4,826	823	20.6%
96.3%	3,674	4,758	1,084	29.5%
97.5%	3,640	4,373	733	20.1%
98.8%	3,631	4,246	615	16.9%
100.0%	3,623	4,202	578	16.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,825	64	0.1%
1.2%	52,867	51,011	-1,856	-3.5%
2.5%	43,545	42,963	-582	-1.3%
3.7%	43,093	41,591	-1,502	-3.5%
4.9%	41,211	39,689	-1,521	-3.7%
6.2%	39,983	38,534	-1,449	-3.6%
7.4%	39,150	31,539	-7,612	-19.4%
8.6%	36,633	30,830	-5,802	-15.8%
9.9%	31,832	30,469	-1,363	-4.3%
11.1%	30,640	30,160	-481	-1.6%
12.3%	30,000	27,694	-2,306	-7.7%
13.6%	29,163	26,441	-2,721	-9.3%
14.8%	28,219	25,982	-2,237	-7.9%
16.0%	27,201	24,875	-2,327	-8.6%
17.3%	25,261	24,048	-1,212	-4.8%
18.5%	24,488	22,176	-2,312	-9.4%
19.8%	24,185	21,992	-2,192	-9.1%
21.0%	23,752	21,405	-2,347	-9.9%
22.2%	19,912	19,248	-664	-3.3%
23.5%	19,097	18,435	-661	-3.5%
24.7%	17,569	18,226	657	3.7%
25.9%	16,568	15,761	-807	-4.9%
27.2%	16,154	14,544	-1,610	-10.0%
28.4%	15,742	14,143	-1,599	-10.2%
29.6%	15,402	13,210	-2,191	-14.2%
30.9%	14,309	12,613	-1,697	-11.9%
32.1%	13,417	11,870	-1,548	-11.5%
33.3%	13,111	11,836	-1,275	-9.7%
34.6%	13,031	11,754	-1,277	-9.8%
35.8%	12,995	11,414	-1,581	-12.2%
37.0%	12,702	10,771	-1,931	-15.2%
38.3%	12,689	10,365	-2,324	-18.3%
39.5%	12,528	9,915	-2,613	-20.9%
40.7%	12,269	9,757	-2,512	-20.5%
42.0%	11,992	9,754	-2,239	-18.7%
43.2%	11,756	9,714	-2,043	-17.4%
44.4%	10,928	9,160	-1,768	-16.2%
45.7%	9,541	9,094	-447	-4.7%
46.9%	9,527	8,952	-575	-6.0%
48.1%	9,108	8,925	-184	-2.0%
49.4%	9,082	8,713	-369	-4.1%
50.6%	8,843	8,559	-284	-3.2%
51.9%	8,780	8,557	-224	-2.5%
53.1%	8,313	8,487	175	2.1%
54.3%	8,179	8,485	306	3.7%
55.6%	8,139	8,437	298	3.7%
56.8%	7,877	8,161	285	3.6%
58.0%	7,828	8,051	223	2.8%
59.3%	7,562	7,947	385	5.1%
60.5%	7,541	7,812	271	3.6%
61.7%	7,532	7,798	266	3.5%
63.0%	7,269	7,789	520	7.2%
64.2%	6,702	7,663	961	14.3%
65.4%	6,520	7,549	1,029	15.8%
66.7%	6,426	7,421	995	15.5%
67.9%	6,344	7,391	1,047	16.5%
69.1%	6,190	7,257	1,067	17.2%
70.4%	6,090	7,155	1,065	17.5%
71.6%	6,003	6,996	993	16.5%
72.8%	5,999	6,942	943	15.7%
74.1%	5,998	6,858	859	14.3%
75.3%	5,792	6,831	1,038	17.9%
76.5%	5,763	6,822	1,059	18.4%
77.8%	5,749	6,711	962	16.7%
79.0%	5,671	6,638	967	17.0%
80.2%	5,606	6,631	1,026	18.3%
81.5%	5,592	6,601	1,009	18.0%
82.7%	5,415	6,349	934	17.3%
84.0%	5,358	6,332	974	18.2%
85.2%	5,346	6,137	791	14.8%
86.4%	5,325	6,077	752	14.1%
87.7%	5,029	6,023	995	19.8%
88.9%	4,819	5,854	1,035	21.5%
90.1%	4,809	5,535	727	15.1%
91.4%	4,756	5,511	755	15.9%
92.6%	4,729	5,425	696	14.7%
93.8%	4,688	5,399	711	15.2%
95.1%	4,658	5,304	646	13.9%
96.3%	4,593	5,300	707	15.4%
97.5%	4,445	5,290	844	19.0%
98.8%	4,216	5,055	838	19.9%
100.0%	3,979	4,759	780	19.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,430	82,876	-554	-0.7%
1.2%	70,938	69,607	-1,331	-1.9%
2.5%	70,411	68,043	-2,368	-3.4%
3.7%	69,603	68,013	-1,590	-2.3%
4.9%	63,527	63,477	-51	-0.1%
6.2%	62,575	60,925	-1,650	-2.6%
7.4%	60,183	60,338	155	0.3%
8.6%	60,134	54,524	-5,610	-9.3%
9.9%	48,603	45,087	-3,516	-7.2%
11.1%	45,100	44,179	-921	-2.0%
12.3%	43,109	39,891	-3,219	-7.5%
13.6%	42,619	36,522	-6,097	-14.3%
14.8%	40,661	36,128	-4,532	-11.1%
16.0%	40,179	36,124	-4,054	-10.1%
17.3%	39,837	35,599	-4,237	-10.6%
18.5%	37,539	32,750	-4,790	-12.8%
19.8%	36,084	32,289	-3,794	-10.5%
21.0%	33,867	30,543	-3,324	-9.8%
22.2%	31,276	28,316	-2,960	-9.5%
23.5%	30,694	27,101	-3,593	-11.7%
24.7%	30,000	24,963	-5,038	-16.8%
25.9%	28,235	23,679	-4,557	-16.1%
27.2%	27,623	22,749	-4,874	-17.6%
28.4%	26,100	21,651	-4,449	-17.0%
29.6%	24,068	20,545	-3,524	-14.6%
30.9%	22,358	20,106	-2,252	-10.1%
32.1%	19,677	18,728	-949	-4.8%
33.3%	19,417	18,623	-794	-4.1%
34.6%	19,319	15,573	-3,746	-19.4%
35.8%	18,929	15,374	-3,555	-18.8%
37.0%	18,728	14,891	-3,837	-20.5%
38.3%	18,165	14,303	-3,862	-21.3%
39.5%	16,886	13,444	-3,443	-20.4%
40.7%	16,491	13,016	-3,475	-21.1%
42.0%	16,023	12,660	-3,364	-21.0%
43.2%	15,661	12,357	-3,304	-21.1%
44.4%	15,479	12,301	-3,178	-20.5%
45.7%	15,365	12,048	-3,316	-21.6%
46.9%	13,120	10,838	-2,282	-17.4%
48.1%	12,357	10,424	-1,933	-15.6%
49.4%	11,407	9,734	-1,672	-14.7%
50.6%	11,292	9,037	-2,256	-20.0%
51.9%	11,208	8,702	-2,506	-22.4%
53.1%	11,188	8,684	-2,504	-22.4%
54.3%	10,779	8,671	-2,108	-19.6%
55.6%	10,769	8,648	-2,121	-19.7%
56.8%	10,680	8,521	-2,159	-20.2%
58.0%	10,561	8,487	-2,073	-19.6%
59.3%	10,220	8,424	-1,795	-17.6%
60.5%	9,749	8,394	-1,356	-13.9%
61.7%	9,737	8,208	-1,529	-15.7%
63.0%	9,429	8,195	-1,234	-13.1%
64.2%	9,267	8,159	-1,108	-12.0%
65.4%	8,915	7,912	-1,003	-11.3%
66.7%	8,780	7,857	-922	-10.5%
67.9%	8,394	7,678	-716	-8.5%
69.1%	8,373	7,624	-749	-8.9%
70.4%	8,287	7,580	-707	-8.5%
71.6%	7,916	7,572	-344	-4.3%
72.8%	7,765	7,571	-193	-2.5%
74.1%	7,636	7,547	-89	-1.2%
75.3%	7,565	7,470	-95	-1.3%
76.5%	7,551	7,418	-133	-1.8%
77.8%	7,536	7,398	-138	-1.8%
79.0%	7,224	7,210	-14	-0.2%
80.2%	7,222	7,171	-50	-0.7%
81.5%	7,018	7,111	94	1.3%
82.7%	6,982	7,065	83	1.2%
84.0%	6,924	6,997	73	1.1%
85.2%	6,924	6,949	25	0.4%
86.4%	6,873	6,879	6	0.1%
87.7%	6,604	6,838	234	3.5%
88.9%	6,322	6,821	500	7.9%
90.1%	6,134	6,650	516	8.4%
91.4%	6,129	6,420	291	4.7%
92.6%	6,018	6,202	184	3.1%
93.8%	5,595	6,172	578	10.3%
95.1%	5,503	6,162	659	12.0%
96.3%	5,473	6,126	653	11.9%
97.5%	5,398	6,004	606	11.2%
98.8%	5,306	5,423	117	2.2%
100.0%	5,083	4,510	-573	-11.3%

Table SW-14-7b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,357	-434	-0.5%
1.2%	91,357	89,855	-1,502	-1.6%
2.5%	79,870	80,881	1,012	1.3%
3.7%	72,402	72,397	-5	0.0%
4.9%	66,866	66,687	-178	-0.3%
6.2%	65,508	65,515	7	0.0%
7.4%	65,491	62,961	-2,530	-3.9%
8.6%	61,080	58,971	-2,109	-3.5%
9.9%	60,171	58,145	-2,026	-3.4%
11.1%	59,907	55,712	-4,195	-7.0%
12.3%	57,699	53,949	-3,750	-6.5%
13.6%	53,906	50,978	-2,928	-5.4%
14.8%	50,976	49,724	-1,252	-2.5%
16.0%	43,038	41,566	-1,473	-3.4%
17.3%	40,663	38,542	-2,122	-5.2%
18.5%	40,060	37,143	-2,917	-7.3%
19.8%	39,930	36,135	-3,794	-9.5%
21.0%	39,723	35,627	-4,096	-10.3%
22.2%	37,879	35,546	-2,333	-6.2%
23.5%	37,675	34,492	-3,184	-8.4%
24.7%	33,030	30,421	-2,609	-7.9%
25.9%	30,646	30,000	-646	-2.1%
27.2%	30,372	28,800	-1,572	-5.2%
28.4%	30,356	28,778	-1,578	-5.2%
29.6%	29,908	28,603	-1,306	-4.4%
30.9%	29,558	26,800	-2,758	-9.3%
32.1%	29,343	26,312	-3,031	-10.3%
33.3%	28,088	24,925	-3,163	-11.3%
34.6%	26,803	24,427	-2,376	-8.9%
35.8%	26,357	23,558	-2,798	-10.6%
37.0%	26,267	22,563	-3,705	-14.1%
38.3%	26,169	22,323	-3,846	-14.7%
39.5%	25,890	21,207	-4,683	-18.1%
40.7%	25,463	21,090	-4,373	-17.2%
42.0%	24,211	19,839	-4,372	-18.1%
43.2%	21,847	17,897	-3,949	-18.1%
44.4%	19,740	16,987	-2,753	-13.9%
45.7%	18,556	16,615	-1,941	-10.5%
46.9%	17,701	16,126	-1,575	-8.9%
48.1%	17,490	15,381	-2,109	-12.1%
49.4%	17,233	14,594	-2,639	-15.3%
50.6%	16,225	13,562	-2,663	-16.4%
51.9%	16,132	13,346	-2,786	-17.3%
53.1%	15,562	13,302	-2,260	-14.5%
54.3%	14,077	12,178	-1,899	-13.5%
55.6%	13,956	11,831	-2,125	-15.2%
56.8%	13,799	11,753	-2,046	-14.8%
58.0%	13,675	11,230	-2,446	-17.9%
59.3%	13,528	11,219	-2,309	-17.1%
60.5%	12,864	10,259	-2,606	-20.3%
61.7%	12,760	9,981	-2,778	-21.8%
63.0%	12,380	9,858	-2,523	-20.4%
64.2%	11,696	9,766	-1,930	-16.5%
65.4%	11,676	9,552	-2,124	-18.2%
66.7%	11,537	9,413	-2,124	-18.4%
67.9%	11,316	9,171	-2,145	-19.0%
69.1%	11,251	9,141	-2,110	-18.8%
70.4%	11,086	8,723	-2,363	-21.3%
71.6%	10,949	8,692	-2,257	-20.6%
72.8%	10,251	8,634	-1,617	-15.8%
74.1%	10,117	8,621	-1,497	-14.8%
75.3%	9,745	8,490	-1,255	-12.9%
76.5%	9,194	8,466	-728	-7.9%
77.8%	8,657	8,339	-318	-3.7%
79.0%	8,307	7,823	-484	-5.8%
80.2%	7,832	7,784	-48	-0.6%
81.5%	7,598	7,727	130	1.7%
82.7%	7,509	7,383	-126	-1.7%
84.0%	7,465	7,282	-183	-2.4%
85.2%	7,226	7,217	-9	-0.1%
86.4%	6,873	7,145	271	3.9%
87.7%	6,723	7,120	397	5.9%
88.9%	6,717	7,098	381	5.7%
90.1%	6,595	7,003	408	6.2%
91.4%	6,576	6,819	243	3.7%
92.6%	6,213	6,653	439	7.1%
93.8%	6,172	6,497	325	5.3%
95.1%	5,535	6,169	634	11.5%
96.3%	5,155	6,060	906	17.6%
97.5%	5,134	5,537	403	7.8%
98.8%	4,871	5,271	400	8.2%
100.0%	4,864	4,931	67	1.4%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,957	77,408	-3,549	-4.4%
2.5%	72,387	72,402	15	0.0%
3.7%	62,138	62,089	-49	-0.1%
4.9%	51,292	51,256	-36	-0.1%
6.2%	51,258	46,821	-4,437	-8.7%
7.4%	50,574	44,617	-5,957	-11.8%
8.6%	43,894	39,365	-4,529	-10.3%
9.9%	42,181	39,363	-2,818	-6.7%
11.1%	39,592	37,949	-1,643	-4.2%
12.3%	39,103	33,164	-5,939	-15.2%
13.6%	32,695	31,433	-1,263	-3.9%
14.8%	30,218	29,814	-403	-1.3%
16.0%	29,208	29,210	2	0.0%
17.3%	28,908	27,560	-1,348	-4.7%
18.5%	27,569	27,425	-145	-0.5%
19.8%	27,422	26,801	-621	-2.3%
21.0%	26,585	26,440	-145	-0.5%
22.2%	26,250	25,434	-816	-3.1%
23.5%	25,410	24,357	-1,052	-4.1%
24.7%	25,167	23,808	-1,359	-5.4%
25.9%	24,560	23,329	-1,231	-5.0%
27.2%	24,357	20,206	-4,151	-17.0%
28.4%	23,242	18,870	-4,372	-18.8%
29.6%	20,767	18,277	-2,490	-12.0%
30.9%	20,610	17,580	-3,030	-14.7%
32.1%	18,879	15,944	-2,935	-15.5%
33.3%	18,185	15,376	-2,810	-15.4%
34.6%	18,000	15,357	-2,643	-14.7%
35.8%	17,293	14,889	-2,404	-13.9%
37.0%	17,002	14,774	-2,228	-13.1%
38.3%	16,845	13,920	-2,925	-17.4%
39.5%	16,480	12,739	-3,740	-22.7%
40.7%	15,949	12,712	-3,238	-20.3%
42.0%	15,942	12,222	-3,721	-23.3%
43.2%	15,829	11,830	-3,999	-25.3%
44.4%	15,792	11,353	-4,440	-28.1%
45.7%	15,676	11,247	-4,429	-28.3%
46.9%	15,028	11,074	-3,954	-26.3%
48.1%	14,827	10,672	-4,155	-28.0%
49.4%	14,736	10,638	-4,098	-27.8%
50.6%	14,697	10,403	-4,294	-29.2%
51.9%	14,225	10,147	-4,077	-28.7%
53.1%	13,539	10,105	-3,434	-25.4%
54.3%	13,306	9,720	-3,586	-27.0%
55.6%	13,186	9,667	-3,519	-26.7%
56.8%	12,882	9,507	-3,375	-26.2%
58.0%	12,486	8,817	-3,669	-29.4%
59.3%	12,021	8,723	-3,298	-27.4%
60.5%	11,529	8,480	-3,049	-26.4%
61.7%	11,248	8,423	-2,826	-25.1%
63.0%	10,627	8,418	-2,209	-20.8%
64.2%	10,233	8,383	-1,850	-18.1%
65.4%	10,117	8,289	-1,828	-18.1%
66.7%	10,077	8,285	-1,792	-17.8%
67.9%	9,728	8,160	-1,568	-16.1%
69.1%	9,680	7,998	-1,682	-17.4%
70.4%	9,662	7,885	-1,776	-18.4%
71.6%	9,583	7,852	-1,731	-18.1%
72.8%	9,450	7,810	-1,641	-17.4%
74.1%	9,392	7,643	-1,749	-18.6%
75.3%	9,292	7,518	-1,774	-19.1%
76.5%	8,992	7,163	-1,829	-20.3%
77.8%	8,975	6,986	-1,989	-22.2%
79.0%	8,895	6,903	-1,991	-22.4%
80.2%	8,558	6,897	-1,662	-19.4%
81.5%	8,240	6,896	-1,343	-16.3%
82.7%	8,003	6,857	-1,146	-14.3%
84.0%	7,821	6,817	-1,004	-12.8%
85.2%	7,714	6,655	-1,058	-13.7%
86.4%	7,622	6,615	-1,007	-13.2%
87.7%	7,216	6,494	-721	-10.0%
88.9%	6,909	6,449	-460	-6.7%
90.1%	6,138	6,328	190	3.1%
91.4%	6,123	6,208	85	1.4%
92.6%	6,017	6,062	45	0.7%
93.8%	5,675	6,010	335	5.9%
95.1%	5,547	5,987	440	7.9%
96.3%	5,544	5,619	75	1.4%
97.5%	5,473	5,504	31	0.6%
98.8%	5,470	5,469	-2	0.0%
100.0%	5,171	5,465	294	5.7%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	49,954	5	0.0%
1.2%	44,653	44,661	8	0.0%
2.5%	43,453	43,447	-6	0.0%
3.7%	34,687	34,686	-1	0.0%
4.9%	32,373	32,368	-5	0.0%
6.2%	26,009	26,009	0	0.0%
7.4%	25,498	25,481	-18	-0.1%
8.6%	25,192	25,139	-53	-0.2%
9.9%	25,158	21,696	-3,463	-13.8%
11.1%	21,898	20,817	-1,081	-4.9%
12.3%	21,270	20,449	-821	-3.9%
13.6%	20,828	19,358	-1,470	-7.1%
14.8%	20,451	19,056	-1,395	-6.8%
16.0%	20,089	19,042	-1,047	-5.2%
17.3%	19,031	17,318	-1,713	-9.0%
18.5%	18,972	16,733	-2,239	-11.8%
19.8%	17,324	15,866	-1,459	-8.4%
21.0%	15,704	13,829	-1,876	-11.9%
22.2%	15,660	12,969	-2,691	-17.2%
23.5%	14,992	12,357	-2,635	-17.6%
24.7%	13,832	11,696	-2,136	-15.4%
25.9%	13,763	11,371	-2,392	-17.4%
27.2%	11,907	11,270	-637	-5.4%
28.4%	10,820	10,478	-342	-3.2%
29.6%	10,446	10,408	-39	-0.4%
30.9%	10,344	10,098	-245	-2.4%
32.1%	10,004	9,767	-238	-2.4%
33.3%	9,793	8,417	-1,375	-14.0%
34.6%	9,100	8,236	-864	-9.5%
35.8%	8,547	7,935	-613	-7.2%
37.0%	7,910	7,895	-15	-0.2%
38.3%	7,803	7,758	-45	-0.6%
39.5%	7,764	7,508	-256	-3.3%
40.7%	7,583	7,484	-98	-1.3%
42.0%	7,475	7,436	-39	-0.5%
43.2%	7,447	7,335	-112	-1.5%
44.4%	7,447	7,281	-166	-2.2%
45.7%	7,419	7,108	-312	-4.2%
46.9%	7,187	7,099	-89	-1.2%
48.1%	7,126	6,994	-132	-1.9%
49.4%	7,105	6,976	-129	-1.8%
50.6%	7,031	6,969	-62	-0.9%
51.9%	7,024	6,957	-67	-1.0%
53.1%	6,986	6,939	-47	-0.7%
54.3%	6,976	6,935	-41	-0.6%
55.6%	6,958	6,899	-60	-0.9%
56.8%	6,947	6,897	-50	-0.7%
58.0%	6,929	6,841	-88	-1.3%
59.3%	6,892	6,808	-84	-1.2%
60.5%	6,832	6,801	-31	-0.4%
61.7%	6,812	6,789	-23	-0.3%
63.0%	6,641	6,722	82	1.2%
64.2%	6,541	6,657	116	1.8%
65.4%	6,507	6,642	134	2.1%
66.7%	6,489	6,633	144	2.2%
67.9%	6,441	6,589	148	2.3%
69.1%	6,419	6,578	159	2.5%
70.4%	6,410	6,537	128	2.0%
71.6%	6,407	6,457	50	0.8%
72.8%	6,361	6,446	85	1.3%
74.1%	6,297	6,400	103	1.6%
75.3%	6,288	6,361	73	1.2%
76.5%	6,282	6,249	-33	-0.5%
77.8%	6,246	6,212	-35	-0.6%
79.0%	6,144	6,147	3	0.1%
80.2%	6,129	6,141	12	0.2%
81.5%	6,108	6,134	25	0.4%
82.7%	6,097	6,128	31	0.5%
84.0%	6,030	6,033	3	0.0%
85.2%	5,881	5,833	-48	-0.8%
86.4%	5,841	5,820	-21	-0.4%
87.7%	5,805	5,751	-54	-0.9%
88.9%	5,599	5,613	14	0.3%
90.1%	5,477	5,510	33	0.6%
91.4%	5,336	5,371	35	0.7%
92.6%	5,195	5,351	156	3.0%
93.8%	5,189	5,223	34	0.7%
95.1%	4,973	5,042	69	1.4%
96.3%	4,947	4,990	43	0.9%
97.5%	4,928	4,928	0	0.0%
98.8%	4,905	4,925	20	0.4%
100.0%	4,864	4,848	-17	-0.3%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,548	26,546	-2	0.0%
1.2%	25,224	25,022	-203	-0.8%
2.5%	24,224	22,386	-1,838	-7.6%
3.7%	21,662	21,662	0	0.0%
4.9%	18,981	18,860	-120	-0.6%
6.2%	18,383	18,274	-109	-0.6%
7.4%	16,707	16,698	-9	-0.1%
8.6%	16,084	13,720	-2,364	-14.7%
9.9%	13,796	13,569	-228	-1.7%
11.1%	13,654	13,466	-188	-1.4%
12.3%	13,491	12,920	-571	-4.2%
13.6%	12,922	12,596	-326	-2.5%
14.8%	12,707	12,557	-150	-1.2%
16.0%	12,558	11,043	-1,515	-12.1%
17.3%	11,551	10,844	-707	-6.1%
18.5%	10,366	10,351	-15	-0.1%
19.8%	10,249	9,552	-697	-6.8%
21.0%	9,926	9,225	-702	-7.1%
22.2%	9,624	9,169	-455	-4.7%
23.5%	9,240	8,761	-479	-5.2%
24.7%	9,129	8,450	-679	-7.4%
25.9%	8,442	8,401	-41	-0.5%
27.2%	8,090	8,334	244	3.0%
28.4%	7,426	8,235	809	10.9%
29.6%	7,321	8,093	773	10.6%
30.9%	7,161	7,785	624	8.7%
32.1%	7,160	7,733	573	8.0%
33.3%	7,007	7,080	73	1.0%
34.6%	6,999	7,040	41	0.6%
35.8%	6,975	7,009	34	0.5%
37.0%	6,934	6,935	1	0.0%
38.3%	6,823	6,871	48	0.7%
39.5%	6,714	6,742	28	0.4%
40.7%	6,650	6,713	63	0.9%
42.0%	6,634	6,699	65	1.0%
43.2%	6,599	6,668	68	1.0%
44.4%	6,583	6,652	69	1.1%
45.7%	6,580	6,608	28	0.4%
46.9%	6,531	6,594	63	1.0%
48.1%	6,514	6,592	78	1.2%
49.4%	6,513	6,585	72	1.1%
50.6%	6,483	6,579	96	1.5%
51.9%	6,459	6,555	96	1.5%
53.1%	6,426	6,550	124	1.9%
54.3%	6,393	6,497	104	1.6%
55.6%	6,316	6,488	172	2.7%
56.8%	6,267	6,488	220	3.5%
58.0%	6,186	6,483	296	4.8%
59.3%	6,103	6,446	343	5.6%
60.5%	6,095	6,419	324	5.3%
61.7%	6,067	6,382	315	5.2%
63.0%	6,045	6,372	327	5.4%
64.2%	5,975	6,332	357	6.0%
65.4%	5,925	6,308	382	6.5%
66.7%	5,905	6,146	240	4.1%
67.9%	5,873	6,093	220	3.8%
69.1%	5,859	6,073	214	3.7%
70.4%	5,840	6,046	206	3.5%
71.6%	5,828	5,951	123	2.1%
72.8%	5,826	5,951	125	2.1%
74.1%	5,821	5,856	36	0.6%
75.3%	5,773	5,828	54	0.9%
76.5%	5,675	5,816	141	2.5%
77.8%	5,628	5,808	180	3.2%
79.0%	5,567	5,730	162	2.9%
80.2%	5,532	5,691	159	2.9%
81.5%	5,523	5,666	143	2.6%
82.7%	5,503	5,623	121	2.2%
84.0%	5,405	5,549	145	2.7%
85.2%	5,340	5,540	200	3.7%
86.4%	5,335	5,372	37	0.7%
87.7%	5,165	5,362	197	3.8%
88.9%	5,135	5,345	210	4.1%
90.1%	5,043	5,181	138	2.7%
91.4%	5,021	5,054	33	0.7%
92.6%	4,847	5,028	181	3.7%
93.8%	4,842	4,883	41	0.8%
95.1%	4,825	4,852	27	0.6%
96.3%	4,818	4,836	18	0.4%
97.5%	4,810	4,811	1	0.0%
98.8%	4,774	4,767	-6	-0.1%
100.0%	4,659	4,646	-12	-0.3%

Table SW-14-7b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,609	-190	-0.6%
1.2%	17,315	17,322	7	0.0%
2.5%	12,805	11,469	-1,336	-10.4%
3.7%	10,241	10,560	319	3.1%
4.9%	10,063	10,004	-60	-0.6%
6.2%	9,905	9,796	-109	-1.1%
7.4%	9,664	9,792	128	1.3%
8.6%	9,431	9,743	313	3.3%
9.9%	9,425	9,684	259	2.8%
11.1%	9,217	9,602	385	4.2%
12.3%	9,200	9,595	395	4.3%
13.6%	8,993	9,431	438	4.9%
14.8%	8,959	9,318	359	4.0%
16.0%	8,832	9,219	387	4.4%
17.3%	8,663	8,954	290	3.4%
18.5%	8,636	8,951	315	3.6%
19.8%	8,470	8,943	472	5.6%
21.0%	8,405	8,806	401	4.8%
22.2%	8,140	8,711	571	7.0%
23.5%	8,090	8,673	583	7.2%
24.7%	8,007	8,620	613	7.7%
25.9%	7,918	8,593	674	8.5%
27.2%	7,740	8,351	610	7.9%
28.4%	7,718	8,344	626	8.1%
29.6%	7,697	8,314	617	8.0%
30.9%	7,691	8,281	590	7.7%
32.1%	7,674	8,201	526	6.9%
33.3%	7,568	8,119	552	7.3%
34.6%	7,525	8,108	584	7.8%
35.8%	7,471	7,961	490	6.6%
37.0%	7,465	7,958	493	6.6%
38.3%	7,447	7,958	510	6.9%
39.5%	7,412	7,925	513	6.9%
40.7%	7,402	7,925	523	7.1%
42.0%	7,355	7,860	504	6.9%
43.2%	7,342	7,859	517	7.0%
44.4%	7,327	7,821	494	6.7%
45.7%	7,313	7,738	425	5.8%
46.9%	7,299	7,686	387	5.3%
48.1%	7,293	7,641	348	4.8%
49.4%	7,265	7,637	372	5.1%
50.6%	7,262	7,619	357	4.9%
51.9%	7,253	7,609	356	4.9%
53.1%	7,248	7,595	347	4.8%
54.3%	7,238	7,572	335	4.6%
55.6%	7,223	7,558	335	4.6%
56.8%	7,222	7,496	274	3.8%
58.0%	7,221	7,494	273	3.8%
59.3%	7,220	7,438	218	3.0%
60.5%	7,212	7,416	204	2.8%
61.7%	7,179	7,410	231	3.2%
63.0%	7,141	7,366	225	3.1%
64.2%	7,137	7,322	184	2.6%
65.4%	7,128	7,318	190	2.7%
66.7%	7,079	7,229	149	2.1%
67.9%	7,060	7,224	163	2.3%
69.1%	7,047	7,220	173	2.5%
70.4%	7,042	7,215	173	2.5%
71.6%	6,830	7,214	384	5.6%
72.8%	6,826	7,207	381	5.6%
74.1%	6,812	7,206	393	5.8%
75.3%	6,781	7,205	424	6.3%
76.5%	6,707	7,162	455	6.8%
77.8%	6,706	7,154	449	6.7%
79.0%	6,657	7,153	495	7.4%
80.2%	6,655	7,137	481	7.2%
81.5%	6,631	7,125	494	7.5%
82.7%	6,626	7,072	447	6.7%
84.0%	6,508	7,067	558	8.6%
85.2%	6,389	7,047	658	10.3%
86.4%	6,212	7,006	795	12.8%
87.7%	6,189	6,951	763	12.3%
88.9%	6,176	6,854	678	11.0%
90.1%	6,145	6,843	698	11.4%
91.4%	6,113	6,826	713	11.7%
92.6%	5,844	6,823	978	16.7%
93.8%	5,768	6,323	554	9.6%
95.1%	5,695	6,243	548	9.6%
96.3%	5,623	6,169	546	9.7%
97.5%	5,619	6,106	487	8.7%
98.8%	5,561	5,858	297	5.3%
100.0%	5,527	5,576	49	0.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	14,412	634	4.6%
1.2%	12,871	13,829	959	7.4%
2.5%	11,286	13,701	2,415	21.4%
3.7%	11,129	13,577	2,447	22.0%
4.9%	11,010	13,551	2,541	23.1%
6.2%	10,979	13,522	2,543	23.2%
7.4%	10,750	13,443	2,693	25.1%
8.6%	10,588	13,311	2,723	25.7%
9.9%	10,553	13,136	2,583	24.5%
11.1%	10,498	13,127	2,629	25.0%
12.3%	10,482	12,875	2,393	22.8%
13.6%	10,474	12,792	2,318	22.1%
14.8%	10,384	12,582	2,198	21.2%
16.0%	10,372	12,451	2,079	20.0%
17.3%	10,313	12,446	2,133	20.7%
18.5%	10,231	12,222	1,992	19.5%
19.8%	10,116	12,104	1,988	19.6%
21.0%	10,106	12,092	1,987	19.7%
22.2%	10,030	12,033	2,003	20.0%
23.5%	10,018	12,027	2,009	20.1%
24.7%	9,999	11,978	1,978	19.8%
25.9%	9,935	11,693	1,758	17.7%
27.2%	9,868	11,514	1,646	16.7%
28.4%	9,865	11,449	1,584	16.1%
29.6%	9,812	11,311	1,498	15.3%
30.9%	9,777	11,159	1,382	14.1%
32.1%	9,667	11,042	1,375	14.2%
33.3%	9,633	11,026	1,393	14.5%
34.6%	9,590	11,023	1,433	14.9%
35.8%	9,548	10,934	1,385	14.5%
37.0%	9,516	10,888	1,372	14.4%
38.3%	9,450	10,873	1,422	15.0%
39.5%	9,430	10,856	1,426	15.1%
40.7%	9,424	10,790	1,366	14.5%
42.0%	9,291	10,771	1,480	15.9%
43.2%	9,268	10,663	1,395	15.1%
44.4%	9,105	10,624	1,519	16.7%
45.7%	8,908	10,622	1,714	19.2%
46.9%	8,826	10,592	1,766	20.0%
48.1%	8,766	10,592	1,827	20.8%
49.4%	8,754	10,559	1,805	20.6%
50.6%	8,660	10,447	1,787	20.6%
51.9%	8,611	10,398	1,787	20.8%
53.1%	8,594	10,328	1,734	20.2%
54.3%	8,573	10,245	1,673	19.5%
55.6%	8,525	9,961	1,435	16.8%
56.8%	8,366	9,953	1,587	19.0%
58.0%	8,347	9,831	1,484	17.8%
59.3%	8,174	9,805	1,632	20.0%
60.5%	8,057	9,794	1,737	21.6%
61.7%	7,994	9,640	1,646	20.6%
63.0%	7,854	9,401	1,547	19.7%
64.2%	7,815	9,339	1,524	19.5%
65.4%	7,810	9,277	1,466	18.8%
66.7%	7,746	9,261	1,515	19.6%
67.9%	7,739	9,120	1,382	17.9%
69.1%	7,704	9,045	1,341	17.4%
70.4%	7,613	8,985	1,372	18.0%
71.6%	7,551	8,971	1,420	18.8%
72.8%	7,501	8,936	1,435	19.1%
74.1%	7,497	8,906	1,409	18.8%
75.3%	7,398	8,882	1,484	20.1%
76.5%	7,324	8,843	1,519	20.7%
77.8%	7,262	8,764	1,502	20.7%
79.0%	7,173	8,725	1,551	21.6%
80.2%	7,158	8,657	1,499	20.9%
81.5%	7,105	8,555	1,450	20.4%
82.7%	7,091	8,413	1,321	18.6%
84.0%	7,079	8,342	1,263	17.8%
85.2%	7,076	8,171	1,096	15.5%
86.4%	7,073	8,052	980	13.8%
87.7%	7,072	7,952	879	12.4%
88.9%	7,064	7,917	853	12.1%
90.1%	7,061	7,885	824	11.7%
91.4%	7,034	7,817	783	11.1%
92.6%	6,938	7,668	730	10.5%
93.8%	6,527	7,568	1,041	16.0%
95.1%	6,444	7,246	802	12.4%
96.3%	6,415	7,157	743	11.6%
97.5%	6,197	6,898	701	11.3%
98.8%	5,970	6,840	870	14.6%
100.0%	5,586	5,883	297	5.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	13,412	2,511	23.0%
1.2%	10,816	12,014	1,198	11.1%
2.5%	10,694	11,452	759	7.1%
3.7%	10,492	11,356	864	8.2%
4.9%	10,258	11,346	1,088	10.6%
6.2%	10,227	11,304	1,077	10.5%
7.4%	9,817	11,150	1,333	13.6%
8.6%	9,668	11,007	1,339	13.9%
9.9%	9,650	10,958	1,308	13.6%
11.1%	9,614	10,941	1,326	13.8%
12.3%	8,833	10,303	1,470	16.6%
13.6%	8,656	10,051	1,395	16.1%
14.8%	8,582	10,000	1,418	16.5%
16.0%	8,395	9,925	1,530	18.2%
17.3%	8,383	9,885	1,502	17.9%
18.5%	8,274	9,869	1,595	19.3%
19.8%	8,245	9,693	1,448	17.6%
21.0%	8,193	9,589	1,396	17.0%
22.2%	8,170	9,400	1,230	15.0%
23.5%	8,158	9,256	1,098	13.5%
24.7%	8,041	9,022	981	12.2%
25.9%	8,026	9,020	994	12.4%
27.2%	8,017	9,019	1,001	12.5%
28.4%	7,834	8,947	1,114	14.2%
29.6%	7,823	8,919	1,096	14.0%
30.9%	7,764	8,916	1,152	14.8%
32.1%	7,721	8,910	1,190	15.4%
33.3%	7,555	8,856	1,301	17.2%
34.6%	7,438	8,706	1,268	17.1%
35.8%	7,301	8,681	1,380	18.9%
37.0%	7,268	8,607	1,339	18.4%
38.3%	7,241	8,589	1,348	18.6%
39.5%	7,183	8,449	1,265	17.6%
40.7%	7,150	8,413	1,263	17.7%
42.0%	7,118	8,399	1,281	18.0%
43.2%	7,060	8,391	1,331	18.8%
44.4%	6,966	8,311	1,345	19.3%
45.7%	6,808	8,190	1,383	20.3%
46.9%	6,794	8,158	1,365	20.1%
48.1%	6,748	8,135	1,387	20.6%
49.4%	6,679	8,075	1,396	20.9%
50.6%	6,670	8,062	1,392	20.9%
51.9%	6,658	8,050	1,392	20.9%
53.1%	6,636	8,029	1,394	21.0%
54.3%	6,626	7,974	1,348	20.3%
55.6%	6,624	7,940	1,316	19.9%
56.8%	6,621	7,900	1,280	19.3%
58.0%	6,619	7,769	1,150	17.4%
59.3%	6,618	7,686	1,068	16.1%
60.5%	6,609	7,672	1,063	16.1%
61.7%	6,608	7,612	1,005	15.2%
63.0%	6,601	7,539	937	14.2%
64.2%	6,592	7,533	940	14.3%
65.4%	6,579	7,380	801	12.2%
66.7%	6,578	7,290	711	10.8%
67.9%	6,572	7,274	702	10.7%
69.1%	6,562	7,247	685	10.4%
70.4%	6,557	7,227	671	10.2%
71.6%	6,553	7,191	638	9.7%
72.8%	6,524	7,139	615	9.4%
74.1%	6,516	7,112	596	9.1%
75.3%	6,515	7,030	515	7.9%
76.5%	6,507	7,006	499	7.7%
77.8%	6,501	6,970	469	7.2%
79.0%	6,465	6,953	488	7.5%
80.2%	6,431	6,800	369	5.7%
81.5%	6,408	6,782	374	5.8%
82.7%	6,150	6,780	630	10.3%
84.0%	6,141	6,764	623	10.1%
85.2%	6,110	6,662	552	9.0%
86.4%	6,099	6,658	559	9.2%
87.7%	6,087	6,651	563	9.3%
88.9%	6,070	6,632	562	9.3%
90.1%	6,061	6,615	554	9.1%
91.4%	5,798	6,609	811	14.0%
92.6%	5,647	6,528	881	15.6%
93.8%	5,559	6,504	945	17.0%
95.1%	5,546	6,484	938	16.9%
96.3%	5,076	6,457	1,381	27.2%
97.5%	5,056	6,185	1,128	22.3%
98.8%	5,010	6,168	1,158	23.1%
100.0%	4,993	5,967	974	19.5%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,306	15,335	30	0.2%
1.2%	15,296	15,321	24	0.2%
2.5%	15,267	15,318	51	0.3%
3.7%	14,876	15,298	422	2.8%
4.9%	14,575	15,275	699	4.8%
6.2%	13,634	15,266	1,631	12.0%
7.4%	13,455	15,256	1,801	13.4%
8.6%	13,364	15,247	1,883	14.1%
9.9%	13,318	15,235	1,918	14.4%
11.1%	13,189	15,232	2,043	15.5%
12.3%	13,055	15,220	2,165	16.6%
13.6%	13,044	13,748	703	5.4%
14.8%	12,970	13,710	741	5.7%
16.0%	12,869	13,553	684	5.3%
17.3%	12,805	13,373	567	4.4%
18.5%	12,308	13,318	1,010	8.2%
19.8%	12,231	13,057	826	6.8%
21.0%	12,129	12,881	752	6.2%
22.2%	11,977	12,768	791	6.6%
23.5%	11,725	12,709	984	8.4%
24.7%	11,660	12,680	1,019	8.7%
25.9%	11,268	12,593	1,325	11.8%
27.2%	11,059	12,556	1,498	13.5%
28.4%	10,547	12,444	1,897	18.0%
29.6%	10,424	10,593	169	1.6%
30.9%	9,854	10,358	504	5.1%
32.1%	9,716	10,129	412	4.2%
33.3%	9,414	10,075	661	7.0%
34.6%	9,318	9,864	545	5.9%
35.8%	8,734	9,754	1,020	11.7%
37.0%	8,501	9,415	913	10.7%
38.3%	8,474	8,874	400	4.7%
39.5%	7,961	8,513	552	6.9%
40.7%	7,684	8,474	790	10.3%
42.0%	7,316	8,308	993	13.6%
43.2%	7,215	8,138	924	12.8%
44.4%	7,126	7,991	865	12.1%
45.7%	6,694	7,988	1,294	19.3%
46.9%	6,583	7,575	992	15.1%
48.1%	6,430	7,556	1,127	17.5%
49.4%	6,413	7,495	1,082	16.9%
50.6%	6,280	7,304	1,025	16.3%
51.9%	6,143	7,270	1,126	18.3%
53.1%	6,130	7,245	1,114	18.2%
54.3%	6,130	7,163	1,032	16.8%
55.6%	6,117	7,137	1,020	16.7%
56.8%	6,029	7,093	1,064	17.6%
58.0%	6,000	7,024	1,024	17.1%
59.3%	5,923	6,897	974	16.4%
60.5%	5,917	6,855	938	15.9%
61.7%	5,916	6,849	932	15.8%
63.0%	5,826	6,759	934	16.0%
64.2%	5,777	6,723	946	16.4%
65.4%	5,747	6,657	910	15.8%
66.7%	5,721	6,575	853	14.9%
67.9%	5,689	6,566	877	15.4%
69.1%	5,584	6,505	921	16.5%
70.4%	5,479	6,359	880	16.1%
71.6%	5,459	6,352	893	16.4%
72.8%	5,450	6,280	830	15.2%
74.1%	5,435	6,267	832	15.3%
75.3%	5,391	6,222	832	15.4%
76.5%	5,373	6,194	821	15.3%
77.8%	5,370	6,150	781	14.5%
79.0%	4,913	6,127	1,214	24.7%
80.2%	4,898	6,071	1,173	23.9%
81.5%	4,851	6,063	1,212	25.0%
82.7%	4,831	6,019	1,188	24.6%
84.0%	4,826	5,804	978	20.3%
85.2%	4,755	5,753	998	21.0%
86.4%	4,723	5,713	991	21.0%
87.7%	4,704	5,626	922	19.6%
88.9%	4,395	5,616	1,221	27.8%
90.1%	4,372	5,471	1,099	25.1%
91.4%	4,351	5,447	1,096	25.2%
92.6%	4,204	5,414	1,210	28.8%
93.8%	4,152	5,331	1,179	28.4%
95.1%	3,867	5,316	1,449	37.5%
96.3%	3,837	5,216	1,379	35.9%
97.5%	3,829	5,199	1,370	35.8%
98.8%	3,611	5,013	1,402	38.8%
100.0%	3,589	4,949	1,360	37.9%

Table SW-15-7a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,013	8,450	11,320	13,710	15,316	14,122	8,709	6,840	5,733	6,695	5,725	7,749
Alternative C	6,912	9,531	11,237	12,843	14,562	12,611	8,468	6,841	6,117	8,256	6,755	8,737
Difference	899	1,081	-83	-867	-754	-1,512	-242	1	384	1,560	1,031	989
Percent Difference[3]	15.0%	12.8%	-0.7%	-6.3%	-4.9%	-10.7%	-2.8%	0.0%	6.7%	23.3%	18.0%	12.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,090	11,141	11,589	19,105	19,831	18,268	13,423	10,357	6,434	6,606	6,034	12,210
Alternative C	8,539	12,416	11,475	18,605	19,439	17,742	13,239	10,304	6,899	8,144	6,174	13,318
Difference	1,449	1,275	-114	-500	-392	-526	-184	-53	465	1,538	140	1,108
Percent Difference	20.4%	11.4%	-1.0%	-2.6%	-2.0%	-2.9%	-1.4%	-0.5%	7.2%	23.3%	2.3%	9.1%
Above Normal (15%)												
No Action Alternative	5,985	9,241	12,327	16,513	19,069	17,632	10,200	7,244	5,842	7,021	5,583	7,854
Alternative C	6,942	10,945	11,874	15,391	17,784	15,921	9,610	7,013	5,806	9,022	6,243	8,597
Difference	957	1,705	-454	-1,122	-1,286	-1,710	-589	-231	-36	2,002	659	743
Percent Difference	16.0%	18.4%	-3.7%	-6.8%	-6.7%	-9.7%	-5.8%	-3.2%	-0.6%	28.5%	11.8%	9.5%
Below Normal (17%)												
No Action Alternative	5,610	7,976	12,629	12,400	14,370	12,001	7,022	5,430	5,242	6,137	5,154	4,980
Alternative C	6,702	8,999	12,806	10,358	13,592	9,305	6,661	5,172	5,389	8,252	6,244	5,911
Difference	1,092	1,022	177	-2,042	-779	-2,696	-361	-258	148	2,115	1,090	932
Percent Difference	19.5%	12.8%	1.4%	-16.5%	-5.4%	-22.5%	-5.1%	-4.8%	2.8%	34.5%	21.1%	18.7%
Dry (22%)												
No Action Alternative	5,461	6,719	11,566	8,850	11,606	11,396	5,268	4,532	5,285	6,932	5,848	5,281
Alternative C	5,740	7,689	11,766	8,335	10,730	9,097	5,023	4,863	5,936	8,363	7,608	6,573
Difference	278	971	200	-515	-876	-2,299	-246	331	651	1,431	1,760	1,292
Percent Difference	5.1%	14.4%	1.7%	-5.8%	-7.5%	-20.2%	-4.7%	7.3%	12.3%	20.6%	30.1%	24.5%
Critical (15%)												
No Action Alternative	5,008	4,978	7,834	8,034	8,451	8,196	4,136	3,921	5,351	6,860	5,676	4,908
Alternative C	5,365	5,246	7,456	7,470	7,655	7,310	4,262	4,080	5,855	7,572	7,846	5,498
Difference	356	268	-377	-563	-796	-886	125	159	504	712	2,170	590
Percent Difference	7.1%	5.4%	-4.8%	-7.0%	-9.4%	-10.8%	3.0%	4.1%	9.4%	10.4%	38.2%	12.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-15-7b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

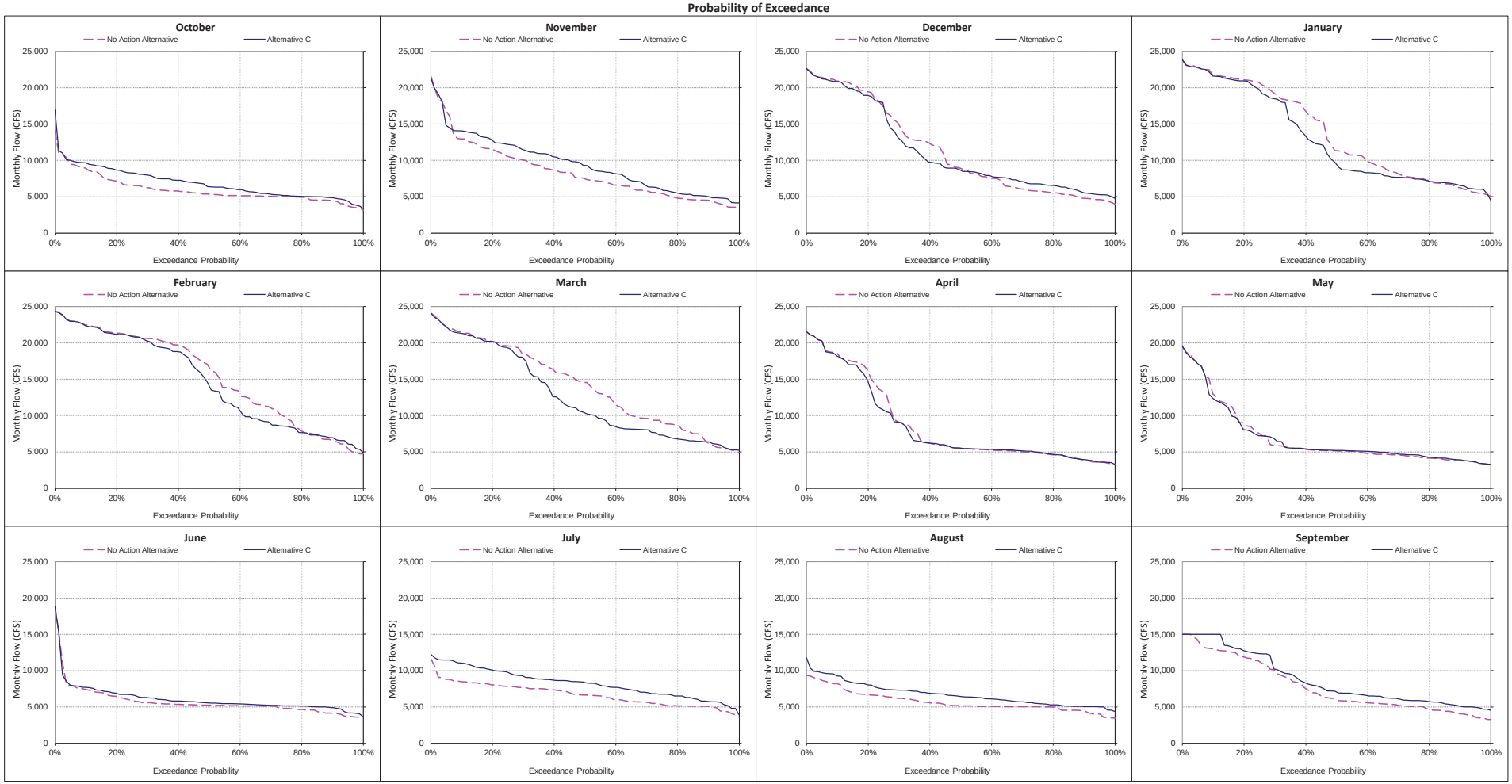

Table SW-15-7b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	16,944	2,845	20.2%
1.2%	10,966	11,336	370	3.4%
2.5%	10,836	11,007	171	1.6%
3.7%	10,399	10,087	-313	-3.0%
4.9%	9,459	10,002	543	5.7%
6.2%	9,414	9,844	431	4.6%
7.4%	9,165	9,741	576	6.3%
8.6%	9,079	9,690	611	6.7%
9.9%	8,942	9,660	717	8.0%
11.1%	8,595	9,467	872	10.1%
12.3%	8,419	9,396	977	11.6%
13.6%	8,396	9,245	849	10.1%
14.8%	8,018	9,220	1,202	15.0%
16.0%	7,482	9,111	1,628	21.8%
17.3%	7,363	8,912	1,548	21.0%
18.5%	7,269	8,881	1,612	22.2%
19.8%	7,139	8,709	1,569	22.0%
21.0%	7,136	8,625	1,489	20.9%
22.2%	6,653	8,440	1,787	26.9%
23.5%	6,593	8,325	1,731	26.3%
24.7%	6,567	8,278	1,711	26.1%
25.9%	6,538	8,246	1,708	26.1%
27.2%	6,532	8,099	1,567	24.0%
28.4%	6,369	8,071	1,702	26.7%
29.6%	6,229	7,980	1,751	28.1%
30.9%	6,227	7,909	1,682	27.0%
32.1%	6,017	7,732	1,714	28.5%
33.3%	5,920	7,520	1,601	27.0%
34.6%	5,886	7,467	1,581	26.9%
35.8%	5,869	7,462	1,593	27.1%
37.0%	5,809	7,461	1,652	28.4%
38.3%	5,806	7,311	1,505	25.9%
39.5%	5,792	7,273	1,482	25.6%
40.7%	5,733	7,272	1,539	26.8%
42.0%	5,697	7,124	1,427	25.1%
43.2%	5,636	7,021	1,385	24.6%
44.4%	5,548	6,976	1,428	25.7%
45.7%	5,526	6,901	1,374	24.9%
46.9%	5,462	6,840	1,378	25.2%
48.1%	5,385	6,781	1,396	25.9%
49.4%	5,384	6,389	1,005	18.7%
50.6%	5,334	6,354	1,020	19.1%
51.9%	5,287	6,326	1,040	19.7%
53.1%	5,257	6,314	1,057	20.1%
54.3%	5,194	6,310	1,117	21.5%
55.6%	5,163	6,163	1,000	19.4%
56.8%	5,158	6,126	968	18.8%
58.0%	5,154	6,085	931	18.1%
59.3%	5,152	5,982	830	16.1%
60.5%	5,130	5,963	833	16.2%
61.7%	5,115	5,792	677	13.2%
63.0%	5,113	5,684	571	11.2%
64.2%	5,107	5,652	545	10.7%
65.4%	5,103	5,584	481	9.4%
66.7%	5,097	5,462	366	7.2%
67.9%	5,058	5,448	390	7.7%
69.1%	5,050	5,421	371	7.4%
70.4%	5,045	5,307	262	5.2%
71.6%	5,037	5,270	234	4.6%
72.8%	5,025	5,247	222	4.4%
74.1%	5,022	5,167	145	2.9%
75.3%	5,012	5,157	144	2.9%
76.5%	5,005	5,113	108	2.2%
77.8%	4,966	5,084	118	2.4%
79.0%	4,957	5,070	114	2.3%
80.2%	4,937	5,033	96	1.9%
81.5%	4,927	5,025	98	2.0%
82.7%	4,570	5,012	442	9.7%
84.0%	4,544	5,000	456	10.0%
85.2%	4,533	5,000	467	10.3%
86.4%	4,523	5,000	477	10.5%
87.7%	4,520	4,934	414	9.2%
88.9%	4,507	4,880	373	8.3%
90.1%	4,395	4,868	473	10.8%
91.4%	4,364	4,747	384	8.8%
92.6%	4,064	4,672	608	15.0%
93.8%	4,026	4,588	562	13.9%
95.1%	3,701	4,357	656	17.7%
96.3%	3,544	3,976	432	12.2%
97.5%	3,504	3,831	327	9.3%
98.8%	3,378	3,712	334	9.9%
100.0%	3,169	3,353	184	5.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,384	-266	-1.2%
1.2%	20,042	19,900	-141	-0.7%
2.5%	18,479	19,115	636	3.4%
3.7%	18,060	18,065	5	0.0%
4.9%	16,907	14,836	-2,072	-12.3%
6.2%	16,004	14,462	-1,542	-9.6%
7.4%	13,533	14,095	562	4.2%
8.6%	13,032	14,083	1,051	8.1%
9.9%	12,953	14,054	1,101	8.5%
11.1%	12,933	14,008	1,075	8.3%
12.3%	12,559	13,840	1,281	10.2%
13.6%	12,496	13,787	1,291	10.3%
14.8%	12,256	13,709	1,452	11.8%
16.0%	11,882	13,313	1,431	12.0%
17.3%	11,675	13,187	1,512	13.0%
18.5%	11,635	13,111	1,476	12.7%
19.8%	11,627	12,846	1,219	10.5%
21.0%	11,290	12,380	1,090	9.7%
22.2%	11,086	12,380	1,294	11.7%
23.5%	10,908	12,329	1,421	13.0%
24.7%	10,558	12,215	1,657	15.7%
25.9%	10,447	12,158	1,711	16.4%
27.2%	10,284	12,089	1,805	17.6%
28.4%	10,226	11,789	1,564	15.3%
29.6%	10,088	11,521	1,433	14.2%
30.9%	9,970	11,356	1,386	13.9%
32.1%	9,622	11,144	1,522	15.8%
33.3%	9,429	11,136	1,708	18.1%
34.6%	9,356	10,957	1,600	17.1%
35.8%	9,281	10,942	1,660	17.9%
37.0%	8,876	10,917	2,040	23.0%
38.3%	8,823	10,790	1,967	22.3%
39.5%	8,680	10,505	1,825	21.0%
40.7%	8,618	10,432	1,814	21.0%
42.0%	8,367	10,188	1,821	21.8%
43.2%	8,350	10,131	1,780	21.3%
44.4%	8,338	10,072	1,734	20.8%
45.7%	8,284	9,832	1,547	18.7%
46.9%	7,616	9,814	2,198	28.9%
48.1%	7,616	9,697	2,081	27.3%
49.4%	7,558	9,318	1,760	23.3%
50.6%	7,369	9,282	1,913	26.0%
51.9%	7,242	8,863	1,621	22.4%
53.1%	7,212	8,609	1,397	19.4%
54.3%	7,154	8,513	1,360	19.0%
55.6%	7,074	8,494	1,419	20.1%
56.8%	6,920	8,383	1,463	21.1%
58.0%	6,835	8,338	1,503	22.0%
59.3%	6,601	8,190	1,589	24.1%
60.5%	6,584	8,148	1,564	23.8%
61.7%	6,511	8,055	1,544	23.7%
63.0%	6,458	7,748	1,290	20.0%
64.2%	6,447	7,345	898	13.9%
65.4%	6,133	7,152	1,019	16.6%
66.7%	5,911	7,112	1,201	20.3%
67.9%	5,890	7,046	1,156	19.6%
69.1%	5,877	6,715	838	14.3%
70.4%	5,743	6,364	621	10.8%
71.6%	5,587	6,302	714	12.8%
72.8%	5,581	6,274	693	12.4%
74.1%	5,512	6,132	620	11.3%
75.3%	5,399	5,877	478	8.9%
76.5%	5,188	5,834	647	12.5%
77.8%	5,102	5,677	574	11.3%
79.0%	4,906	5,628	722	14.7%
80.2%	4,788	5,432	644	13.4%
81.5%	4,734	5,351	617	13.0%
82.7%	4,665	5,335	671	14.4%
84.0%	4,619	5,332	713	15.4%
85.2%	4,586	5,178	591	12.9%
86.4%	4,575	5,155	579	12.7%
87.7%	4,551	5,130	579	12.7%
88.9%	4,529	5,092	562	12.4%
90.1%	4,511	5,000	489	10.8%
91.4%	4,364	4,867	504	11.5%
92.6%	4,173	4,847	674	16.2%
93.8%	4,014	4,811	797	19.8%
95.1%	3,915	4,790	875	22.3%
96.3%	3,588	4,715	1,126	31.4%
97.5%	3,570	4,185	615	17.2%
98.8%	3,552	4,165	613	17.3%
100.0%	3,537	4,152	615	17.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,631	14	0.1%
1.2%	22,254	22,142	-112	-0.5%
2.5%	21,692	21,668	-24	-0.1%
3.7%	21,468	21,501	32	0.2%
4.9%	21,444	21,232	-212	-1.0%
6.2%	21,229	21,154	-76	-0.4%
7.4%	21,200	20,969	-231	-1.1%
8.6%	21,154	20,888	-267	-1.3%
9.9%	20,890	20,845	-45	-0.2%
11.1%	20,878	20,766	-112	-0.5%
12.3%	20,818	20,257	-562	-2.7%
13.6%	20,743	19,896	-846	-4.1%
14.8%	20,406	19,893	-514	-2.5%
16.0%	20,305	19,596	-709	-3.5%
17.3%	19,691	19,452	-240	-1.2%
18.5%	19,602	18,951	-651	-3.3%
19.8%	19,458	18,948	-509	-2.6%
21.0%	19,330	18,765	-565	-2.9%
22.2%	18,426	18,215	-212	-1.1%
23.5%	18,156	18,042	-114	-0.6%
24.7%	17,466	17,978	513	2.9%
25.9%	16,533	15,612	-920	-5.6%
27.2%	16,196	14,445	-1,750	-10.8%
28.4%	15,551	14,001	-1,551	-10.0%
29.6%	15,193	13,111	-2,082	-13.7%
30.9%	14,165	12,655	-1,510	-10.7%
32.1%	13,413	11,973	-1,441	-10.7%
33.3%	12,995	11,738	-1,256	-9.7%
34.6%	12,850	11,730	-1,120	-8.7%
35.8%	12,755	11,225	-1,530	-12.0%
37.0%	12,736	10,689	-2,047	-16.1%
38.3%	12,660	10,239	-2,421	-19.1%
39.5%	12,449	9,782	-2,667	-21.4%
40.7%	12,123	9,714	-2,409	-19.9%
42.0%	12,021	9,615	-2,406	-20.0%
43.2%	11,784	9,611	-2,173	-18.4%
44.4%	10,893	9,029	-1,865	-17.1%
45.7%	9,459	8,941	-518	-5.5%
46.9%	9,420	8,933	-486	-5.2%
48.1%	9,056	8,932	-124	-1.4%
49.4%	9,004	8,747	-257	-2.9%
50.6%	8,792	8,471	-322	-3.7%
51.9%	8,762	8,470	-292	-3.3%
53.1%	8,247	8,441	194	2.4%
54.3%	8,131	8,411	280	3.4%
55.6%	8,107	8,280	173	2.1%
56.8%	7,777	8,163	387	5.0%
58.0%	7,741	7,917	176	2.3%
59.3%	7,552	7,914	363	4.8%
60.5%	7,522	7,718	196	2.6%
61.7%	7,487	7,696	209	2.8%
63.0%	7,226	7,632	406	5.6%
64.2%	6,494	7,611	1,117	17.2%
65.4%	6,413	7,541	1,128	17.6%
66.7%	6,363	7,341	978	15.4%
67.9%	6,239	7,335	1,097	17.6%
69.1%	6,070	7,136	1,066	17.6%
70.4%	6,023	7,061	1,038	17.2%
71.6%	5,894	6,855	961	16.3%
72.8%	5,826	6,786	960	16.5%
74.1%	5,803	6,779	976	16.8%
75.3%	5,746	6,779	1,033	18.0%
76.5%	5,738	6,704	965	16.8%
77.8%	5,663	6,601	939	16.6%
79.0%	5,567	6,548	981	17.6%
80.2%	5,523	6,544	1,021	18.5%
81.5%	5,512	6,471	958	17.4%
82.7%	5,346	6,312	966	18.1%
84.0%	5,311	6,303	992	18.7%
85.2%	5,269	6,125	856	16.2%
86.4%	5,206	6,049	844	16.2%
87.7%	5,003	5,894	890	17.8%
88.9%	4,821	5,700	879	18.2%
90.1%	4,796	5,499	703	14.7%
91.4%	4,749	5,492	742	15.6%
92.6%	4,697	5,367	669	14.3%
93.8%	4,616	5,351	735	15.9%
95.1%	4,593	5,281	688	15.0%
96.3%	4,539	5,259	720	15.9%
97.5%	4,388	5,253	865	19.7%
98.8%	4,221	5,018	796	18.9%
100.0%	3,981	4,778	797	20.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,795	23,831	36	0.2%
1.2%	23,070	23,089	18	0.1%
2.5%	23,019	22,937	-82	-0.4%
3.7%	22,987	22,871	-117	-0.5%
4.9%	22,751	22,811	60	0.3%
6.2%	22,593	22,583	-10	0.0%
7.4%	22,507	22,510	2	0.0%
8.6%	22,479	22,177	-301	-1.3%
9.9%	21,738	21,611	-127	-0.6%
11.1%	21,620	21,560	-60	-0.3%
12.3%	21,608	21,518	-90	-0.4%
13.6%	21,536	21,310	-226	-1.0%
14.8%	21,427	21,230	-197	-0.9%
16.0%	21,345	21,121	-224	-1.0%
17.3%	21,234	21,004	-230	-1.1%
18.5%	21,172	20,954	-217	-1.0%
19.8%	21,072	20,931	-141	-0.7%
21.0%	21,054	20,913	-140	-0.7%
22.2%	20,989	20,499	-490	-2.3%
23.5%	20,834	20,095	-739	-3.5%
24.7%	20,754	19,839	-915	-4.4%
25.9%	20,384	19,151	-1,233	-6.0%
27.2%	20,117	18,967	-1,150	-5.7%
28.4%	19,677	18,612	-1,065	-5.4%
29.6%	19,262	18,512	-750	-3.9%
30.9%	18,844	18,411	-434	-2.3%
32.1%	18,464	18,008	-456	-2.5%
33.3%	18,346	17,952	-394	-2.1%
34.6%	18,219	15,563	-2,656	-14.6%
35.8%	18,164	15,314	-2,850	-15.7%
37.0%	18,003	14,975	-3,028	-16.8%
38.3%	17,856	14,132	-3,724	-20.9%
39.5%	16,980	13,584	-3,396	-20.0%
40.7%	16,316	12,909	-3,407	-20.9%
42.0%	16,138	12,585	-3,553	-22.0%
43.2%	15,553	12,274	-3,279	-21.1%
44.4%	15,429	12,199	-3,230	-20.9%
45.7%	15,396	12,082	-3,314	-21.5%
46.9%	12,859	10,936	-1,922	-14.9%
48.1%	12,197	10,201	-1,996	-16.4%
49.4%	11,335	9,762	-1,573	-13.9%
50.6%	11,313	9,065	-2,248	-19.9%
51.9%	11,211	8,688	-2,524	-22.5%
53.1%	11,002	8,682	-2,320	-21.1%
54.3%	10,761	8,662	-2,099	-19.5%
55.6%	10,745	8,535	-2,210	-20.6%
56.8%	10,687	8,514	-2,173	-20.3%
58.0%	10,628	8,481	-2,146	-20.2%
59.3%	10,212	8,305	-1,908	-18.7%
60.5%	9,771	8,301	-1,470	-15.0%
61.7%	9,569	8,267	-1,302	-13.6%
63.0%	9,300	8,202	-1,098	-11.8%
64.2%	9,236	8,187	-1,050	-11.4%
65.4%	8,955	7,898	-1,057	-11.8%
66.7%	8,588	7,868	-720	-8.4%
67.9%	8,424	7,700	-725	-8.6%
69.1%	8,350	7,675	-675	-8.1%
70.4%	8,056	7,669	-387	-4.8%
71.6%	7,892	7,636	-256	-3.2%
72.8%	7,730	7,619	-112	-1.4%
74.1%	7,675	7,568	-106	-1.4%
75.3%	7,648	7,445	-203	-2.7%
76.5%	7,565	7,434	-131	-1.7%
77.8%	7,538	7,362	-176	-2.3%
79.0%	7,274	7,265	-9	-0.1%
80.2%	7,264	7,089	-175	-2.4%
81.5%	6,907	7,019	111	1.6%
82.7%	6,863	7,013	149	2.2%
84.0%	6,852	6,991	140	2.0%
85.2%	6,783	6,895	112	1.7%
86.4%	6,765	6,892	126	1.9%
87.7%	6,583	6,805	222	3.4%
88.9%	6,248	6,665	417	6.7%
90.1%	6,237	6,522	285	4.6%
91.4%	6,016	6,450	434	7.2%
92.6%	6,008	6,158	150	2.5%
93.8%	5,639	6,105	466	8.3%
95.1%	5,568	6,056	489	8.8%
96.3%	5,458	6,029	572	10.5%
97.5%	5,419	5,998	579	10.7%
98.8%	5,295	5,409	114	2.2%
100.0%	5,029	4,456	-573	-11.4%

Table SW-15-7b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

Percent Exceedance Probability	February				March				April				May			
	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)			Monthly Flow (CFS)	Monthly Flow (CFS)		
0.0%	24,355	24,328	-27	-0.1%	24,114	24,115	1	0.0%	21,507	21,539	33	0.2%	19,519	19,521	2	0.0%
1.2%	24,267	24,151	-117	-0.5%	23,715	23,539	-176	-0.7%	21,096	21,109	14	0.1%	18,691	18,627	-64	-0.3%
2.5%	23,722	23,890	168	0.7%	23,222	23,219	-3	0.0%	20,914	20,918	4	0.0%	18,499	18,095	-404	-2.2%
3.7%	23,248	23,246	-3	0.0%	22,672	22,661	-11	0.0%	20,459	20,457	-2	0.0%	17,681	17,686	5	0.0%
4.9%	23,019	22,962	-57	-0.2%	22,243	22,251	8	0.0%	20,290	20,293	3	0.0%	17,158	17,135	-22	-0.1%
6.2%	22,972	22,949	-23	-0.1%	21,973	21,776	-196	-0.9%	18,928	18,792	-136	-0.7%	16,778	16,752	-27	-0.2%
7.4%	22,868	22,890	22	0.1%	21,871	21,506	-365	-1.7%	18,785	18,668	-118	-0.6%	15,419	15,414	-4	0.0%
8.6%	22,677	22,671	-5	0.0%	21,557	21,400	-157	-0.7%	18,671	18,589	-82	-0.4%	15,095	12,900	-2,195	-14.5%
9.9%	22,478	22,360	-119	-0.5%	21,542	21,315	-228	-1.1%	18,588	18,173	-414	-2.2%	12,977	12,361	-615	-4.7%
11.1%	22,455	22,227	-228	-1.0%	21,326	21,210	-116	-0.5%	17,944	17,946	2	0.0%	12,550	12,021	-529	-4.2%
12.3%	22,274	22,204	-70	-0.3%	21,317	20,977	-340	-1.6%	17,703	17,639	-65	-0.4%	11,943	11,789	-154	-1.3%
13.6%	22,200	22,115	-85	-0.4%	21,018	20,966	-52	-0.2%	17,629	17,007	-623	-3.5%	11,782	11,467	-315	-2.7%
14.8%	22,087	21,897	-189	-0.9%	20,719	20,637	-81	-0.4%	17,454	16,985	-469	-2.7%	11,467	11,114	-352	-3.1%
16.0%	21,522	21,414	-108	-0.5%	20,694	20,599	-94	-0.5%	17,392	16,948	-443	-2.5%	11,219	9,921	-1,298	-11.6%
17.3%	21,504	21,374	-130	-0.6%	20,595	20,280	-315	-1.5%	17,206	16,276	-930	-5.4%	10,271	9,771	-500	-4.9%
18.5%	21,423	21,294	-130	-0.6%	20,281	20,219	-62	-0.3%	16,912	15,723	-1,189	-7.0%	9,048	9,041	-7	-0.1%
19.8%	21,367	21,186	-181	-0.8%	20,214	20,210	-4	0.0%	16,281	14,836	-1,445	-8.9%	8,998	8,063	-935	-10.4%
21.0%	21,318	21,157	-162	-0.8%	20,063	20,093	31	0.2%	15,000	13,335	-1,665	-11.1%	8,575	8,010	-565	-6.6%
22.2%	21,238	21,139	-99	-0.5%	20,026	19,629	-397	-2.0%	14,374	11,641	-2,733	-19.0%	8,474	7,833	-641	-7.6%
23.5%	21,123	21,075	-48	-0.2%	19,620	19,455	-166	-0.8%	13,642	11,107	-2,535	-18.6%	7,901	7,469	-432	-5.5%
24.7%	20,980	20,915	-65	-0.3%	19,605	19,380	-224	-1.1%	13,328	10,829	-2,499	-18.8%	7,593	7,237	-356	-4.7%
25.9%	20,904	20,805	-99	-0.5%	19,539	19,155	-385	-2.0%	12,902	10,490	-2,413	-18.7%	7,237	7,236	-1	0.0%
27.2%	20,771	20,792	21	0.1%	19,455	18,582	-873	-4.5%	10,968	10,359	-608	-5.5%	7,211	7,172	-39	-0.5%
28.4%	20,649	20,544	-105	-0.5%	19,348	18,081	-1,268	-6.6%	9,520	9,158	-362	-3.8%	6,049	7,101	1,052	17.4%
29.6%	20,624	20,311	-313	-1.5%	18,513	18,050	-464	-2.5%	9,122	9,126	4	0.0%	5,875	6,849	974	16.6%
30.9%	20,600	20,140	-460	-2.2%	18,486	17,471	-1,015	-5.5%	9,038	8,931	-108	-1.2%	5,857	6,428	571	9.8%
32.1%	20,580	19,694	-885	-4.3%	18,028	15,888	-2,140	-11.9%	8,835	8,546	-290	-3.3%	5,829	6,427	597	10.2%
33.3%	20,442	19,459	-982	-4.8%	17,795	15,393	-2,402	-13.5%	8,573	7,499	-1,074	-12.5%	5,723	5,637	-86	-1.5%
34.6%	20,263	19,380	-883	-4.4%	17,667	15,319	-2,349	-13.3%	7,855	6,589	-1,265	-16.1%	5,551	5,538	-13	-0.2%
35.8%	20,141	19,298	-843	-4.2%	17,076	14,580	-2,496	-14.6%	7,736	6,504	-1,232	-15.9%	5,510	5,516	6	0.1%
37.0%	20,091	19,198	-893	-4.4%	17,021	14,523	-2,498	-14.7%	6,519	6,409	-111	-1.7%	5,453	5,513	61	1.1%
38.3%	19,742	18,825	-917	-4.6%	16,653	13,796	-2,856	-17.2%	6,472	6,271	-201	-3.1%	5,432	5,500	68	1.2%
39.5%	19,719	18,819	-900	-4.6%	16,398	12,586	-3,812	-23.2%	6,271	6,213	-58	-0.9%	5,385	5,448	63	1.2%
40.7%	19,692	18,751	-942	-4.8%	15,882	12,554	-3,328	-21.0%	6,087	6,188	101	1.7%	5,315	5,385	70	1.3%
42.0%	19,353	18,315	-1,037	-5.4%	15,869	12,107	-3,762	-23.7%	6,084	6,153	68	1.1%	5,254	5,315	61	1.2%
43.2%	19,047	17,987	-1,060	-5.6%	15,812	11,580	-4,231	-26.8%	5,921	5,991	70	1.2%	5,228	5,301	73	1.4%
44.4%	18,395	16,955	-1,440	-7.8%	15,547	11,314	-4,233	-27.2%	5,866	5,988	121	2.1%	5,215	5,254	39	0.8%
45.7%	18,052	16,406	-1,646	-9.1%	15,538	11,133	-4,405	-28.4%	5,784	5,849	65	1.1%	5,196	5,233	37	0.7%
46.9%	17,673	15,973	-1,700	-9.6%	14,946	11,071	-3,875	-25.9%	5,618	5,619	1	0.0%	5,186	5,228	43	0.8%
48.1%	17,315	15,309	-2,006	-11.6%	14,731	10,619	-4,112	-27.9%	5,545	5,545	0	0.0%	5,171	5,227	56	1.1%
49.4%	17,047	14,572	-2,475	-14.5%	14,553	10,462	-4,090	-28.1%	5,504	5,539	35	0.6%	5,171	5,215	44	0.9%
50.6%	16,177	13,512	-2,665	-16.5%	14,542	10,226	-4,316	-29.7%	5,482	5,482	0	0.0%	5,130	5,196	66	1.3%
51.9%	15,967	13,360	-2,606	-16.3%	13,982	10,118	-3,864	-27.6%	5,459	5,459	0	0.0%	5,129	5,186	57	1.1%
53.1%	15,324	13,303	-2,021	-13.2%	13,479	10,057	-3,422	-25.4%	5,439	5,439	0	0.0%	5,113	5,171	57	1.1%
54.3%	13,886	11,995	-1,891	-13.6%	13,057	9,618	-3,439	-26.3%	5,368	5,427	60	1.1%	5,108	5,165	57	1.1%
55.6%	13,866	11,737	-2,129	-15.4%	12,991	9,612	-3,379	-26.0%	5,340	5,424	85	1.6%	5,090	5,130	39	0.8%
56.8%	13,752	11,703	-2,049	-14.9%	12,579	9,293	-3,286	-26.1%	5,333	5,368	34	0.6%	4,956	5,129	172	3.5%
58.0%	13,493	11,257	-2,235	-16.6%	12,513	8,672	-3,841	-30.7%	5,308	5,366	58	1.1%	4,941	5,108	166	3.4%
59.3%	13,429	11,101	-2,327	-17.3%	11,813	8,590	-3,222	-27.3%	5,276	5,351	75	1.4%	4,799	5,090	292	6.1%
60.5%	12,628	10,335	-2,293	-18.2%	11,306	8,385	-2,922	-25.8%	5,232	5,340	108	2.1%	4,772	5,077	305	6.4%
61.7%	12,554	9,841	-2,714	-21.6%	11,129	8,229	-2,900	-26.1%	5,213	5,315	101	1.9%	4,733	5,050	318	6.7%
63.0%	12,370	9,833	-2,537	-20.5%	10,462	8,188	-2,274	-21.7%	5,195	5,308	113	2.2%	4,676	5,000	324	6.9%
64.2%	11,680	9,577	-2,103	-18.0%	10,130	8,143	-1,987	-19.6%	5,161	5,283	122	2.4%	4,667	4,956	290	6.2%
65.4%	11,503	9,560	-1,943	-16.9%	9,959	8,140	-1,819	-18.3%	5,146	5,276	130	2.5%	4,665	4,941	276	5.9%
66.7%	11,489	9,306	-2,183	-19.0%	9,830	8,096	-1,733	-17.6%	5,144	5,275	131	2.5%	4,657	4,921	264	5.7%
67.9%	11,325	9,164	-2,161	-19.1%	9,665	8,093	-1,572	-16.3%	5,039	5,195	156	3.1%	4,601	4,799	198	4.3%
69.1%	11,230	9,139	-2,091	-18.6%	9,613	8,051	-1,562	-16.2%	5,027	5,177	151	3.0%	4,593	4,772	179	3.9%
70.4%	10,961	8,700	-2,262	-20.6%	9,582	8,027	-1,555	-16.2%	4,977	5,146	169	3.4%	4,577	4,676	99	2.2%
71.6%	10,804	8,698	-2,105	-19.5%	9,391	7,681	-1,710	-18.2%	4,927	5,109	181	3.7%	4,550	4,667	116	2.6%
72.8%	10,180	8,575	-1,605	-15.8%	9,358	7,658	-1,700	-18.2%	4,920	5,096	175	3.6%	4,421	4,611	190	4.3%
74.1%	9,955	8,545	-1,410	-14.2%	9,358	7,342	-2,016	-21.5%	4,896	5,000	104	2.1%	4,382	4,601	219	5.0%
75.3%	9,524	8,517	-1,007	-10.6%	8,902	7,301	-1,601	-18.0%	4,851	4,945	95	2.0%	4,362	4,593	231	5.3%
76.5%	9,280	8,387	-892	-9.6%	8,846	7,123	-1,723	-19.5%	4,783	4,896	114	2.4%	4,324	4,564	239	5.5%
77.8%	8,431	8,275	-156	-1.8%	8,838	6,958	-1,881	-21.3%	4,744	4,744	0	0.0%	4,168	4,426	258	6.2%
79.0%	8,152	7,685	-467	-5.7%	8,768	6,852	-1,916	-21.8%	4,625	4,698	73	1.6%	4,163	4,324	161	3.9%
80.2%	7,791	7,656	-135	-1.7%	8,684	6,785	-1,900	-21.9%	4,614	4,628	13	0.3%	4,145	4,268	123	3.0%
81.5%	7,574	7,617	43	0.6%	8,044	6,716	-1,328	-16.5%	4,609	4,602	-7	-0.1%	4,111	4,211	100	2.4%
82.7%	7,572	7,342	-230	-3.0%	7,888	6,621	-1,267	-16.1%	4,582	4,582	0	0.0%	4,070	4,168	98	2.4%
84.0%	7,432	7,328	-103	-1.4%	7,729	6,538	-1,192	-15.4%	4,358	4,448	90	2.1%	4,059	4,157	98	2.4%
85.2%	7,267	7,313	47	0.6%	7,507	6,512	-995	-13.3%	4,300	4,220	-80	-1.9%	3,937	4,145	209	5.3%
86.4%	6,792	7,180	388	5.7%	7,499	6,456	-1,043	-13.9%	4,220	4,134	-86	-2.0%	3,857	4,059	202	5.2%
87.7%	6,730	7,115	385	5.7%	7,278	6,447	-830	-11.4%	4,085	4,085	0	0.0%	3,850	3,972	123	3.2%
88.9%	6,715	6,985	270	4.0%	6,573	6,387	-185	-2.8%	3,972	3,974	2	0.0%	3,792	3,945	153	4.0%
90.1%	6,479	6,935	456	7.0%	6,128	6,387	259	4.2%	3,856	3,942	86	2.2%	3,790	3,909	119	3.1%
91.4%	6,387	6,642	255	4.0%	5,946	6,130	184	3.1%	3,792	3,879	86	2.3%	3,778	3,792	13	0.4%
92.6%	6,098	6,551	453	7.4%	5,636	6,083	447	7.9%	3,635	3,792	157	4.3%	3,733	3,763	29	0.8%
93.8%	6,062	6,549	486	8.0%	5,576	5,960	384	6.9%	3,629	3,635	6	0.2%	3,707	3,707	0	0.0%
95.1%	5,422	6,079	657	12.1%	5,439	5,625	185	3.4%	3,586	3,586	0	0.0%	3,583	3,583	0	0.0%
96.3%	5,025	6,030	1,005	20.0%	5,408	5,450	42	0.8%	3,581	3,581	0	0.0%	3,409	3,409	0	0.0%
97.5%	4,934	5,467	532	10.8%	5,241	5,305	64	1.2%	3,462	3,557	95	2.7%	3,377	3,377	0	0.0%
98.8%	4,760	5,324	565	11.9%	5,234	5,266	32	0.6%	3,394	3,512	118	3.5%	3,319	3,319	0	0.0%
100.0%	4,735	4,895	159	3.4%	4,883	5,250	368	7.5%	3,285	3,285	0	0.0%	3,272	3,272	0	0.0%

Table SW-15-7b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,839	-44	-0.2%
1.2%	15,258	15,271	13	0.1%
2.5%	11,055	9,359	-1,696	-15.3%
3.7%	8,139	8,519	379	4.7%
4.9%	7,942	7,994	52	0.7%
6.2%	7,852	7,898	46	0.6%
7.4%	7,553	7,860	307	4.1%
8.6%	7,551	7,732	180	2.4%
9.9%	7,416	7,705	289	3.9%
11.1%	7,298	7,657	358	4.9%
12.3%	7,129	7,570	441	6.2%
13.6%	7,032	7,324	292	4.2%
14.8%	6,998	7,317	319	4.6%
16.0%	6,922	7,118	196	2.8%
17.3%	6,598	7,109	510	7.7%
18.5%	6,498	6,974	476	7.3%
19.8%	6,458	6,893	435	6.7%
21.0%	6,321	6,731	410	6.5%
22.2%	6,176	6,725	549	8.9%
23.5%	6,041	6,711	670	11.1%
24.7%	5,934	6,671	736	12.4%
25.9%	5,793	6,581	788	13.6%
27.2%	5,717	6,364	647	11.3%
28.4%	5,585	6,300	715	12.8%
29.6%	5,580	6,291	711	12.7%
30.9%	5,577	6,236	659	11.8%
32.1%	5,502	6,224	722	13.1%
33.3%	5,448	6,044	596	10.9%
34.6%	5,441	6,011	570	10.5%
35.8%	5,427	5,979	553	10.2%
37.0%	5,424	5,887	463	8.5%
38.3%	5,409	5,812	403	7.4%
39.5%	5,342	5,792	450	8.4%
40.7%	5,332	5,790	457	8.6%
42.0%	5,316	5,780	464	8.7%
43.2%	5,307	5,746	439	8.3%
44.4%	5,302	5,706	403	7.6%
45.7%	5,268	5,686	419	8.0%
46.9%	5,265	5,669	404	7.7%
48.1%	5,247	5,555	308	5.9%
49.4%	5,236	5,545	309	5.9%
50.6%	5,235	5,543	308	5.9%
51.9%	5,214	5,525	311	6.0%
53.1%	5,206	5,501	295	5.7%
54.3%	5,204	5,453	249	4.8%
55.6%	5,196	5,452	256	4.9%
56.8%	5,173	5,441	268	5.2%
58.0%	5,159	5,441	281	5.5%
59.3%	5,155	5,424	268	5.2%
60.5%	5,145	5,423	278	5.4%
61.7%	5,144	5,387	243	4.7%
63.0%	5,132	5,342	210	4.1%
64.2%	5,131	5,332	202	3.9%
65.4%	5,128	5,302	174	3.4%
66.7%	5,124	5,268	144	2.8%
67.9%	5,110	5,251	141	2.8%
69.1%	5,098	5,235	137	2.7%
70.4%	5,092	5,224	132	2.6%
71.6%	5,066	5,204	138	2.7%
72.8%	4,793	5,184	390	8.1%
74.1%	4,782	5,155	373	7.8%
75.3%	4,777	5,150	373	7.8%
76.5%	4,751	5,144	393	8.3%
77.8%	4,703	5,132	429	9.1%
79.0%	4,657	5,128	471	10.1%
80.2%	4,632	5,110	478	10.3%
81.5%	4,591	5,091	500	10.9%
82.7%	4,584	5,068	484	10.6%
84.0%	4,582	5,000	418	9.1%
85.2%	4,347	5,000	653	15.0%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	5,000	832	20.0%
88.9%	4,141	4,926	784	18.9%
90.1%	4,126	4,900	774	18.8%
91.4%	4,085	4,793	709	17.3%
92.6%	3,996	4,720	725	18.1%
93.8%	3,752	4,331	579	15.4%
95.1%	3,738	4,151	413	11.0%
96.3%	3,661	4,149	489	13.3%
97.5%	3,598	4,126	528	14.7%
98.8%	3,585	4,023	437	12.2%
100.0%	3,524	3,598	74	2.1%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	12,262	611	5.2%
1.2%	10,665	11,778	1,113	10.4%
2.5%	9,065	11,514	2,449	27.0%
3.7%	8,998	11,472	2,474	27.5%
4.9%	8,814	11,461	2,647	30.0%
6.2%	8,794	11,454	2,660	30.2%
7.4%	8,593	11,337	2,744	31.9%
8.6%	8,544	11,086	2,541	29.7%
9.9%	8,502	11,034	2,532	29.8%
11.1%	8,462	10,964	2,502	29.6%
12.3%	8,410	10,831	2,421	28.8%
13.6%	8,317	10,674	2,357	28.3%
14.8%	8,304	10,448	2,144	25.8%
16.0%	8,218	10,369	2,151	26.2%
17.3%	8,192	10,353	2,161	26.4%
18.5%	8,177	10,208	2,032	24.8%
19.8%	8,035	10,095	2,059	25.6%
21.0%	8,021	9,977	1,956	24.4%
22.2%	7,938	9,940	2,002	25.2%
23.5%	7,866	9,902	2,035	25.9%
24.7%	7,837	9,834	1,997	25.5%
25.9%	7,833	9,582	1,749	22.3%
27.2%	7,774	9,389	1,615	20.8%
28.4%	7,683	9,336	1,653	21.5%
29.6%	7,681	9,285	1,603	20.9%
30.9%	7,661	9,060	1,399	18.3%
32.1%	7,521	9,041	1,520	20.2%
33.3%	7,520	8,901	1,381	18.4%
34.6%	7,498	8,844	1,346	17.9%
35.8%	7,494	8,828	1,335	17.8%
37.0%	7,477	8,789	1,312	17.5%
38.3%	7,365	8,789	1,424	19.3%
39.5%	7,362	8,689	1,327	18.0%
40.7%	7,313	8,647	1,334	18.2%
42.0%	7,241	8,640	1,400	19.3%
43.2%	7,205	8,623	1,418	19.7%
44.4%	7,045	8,605	1,560	22.1%
45.7%	6,831	8,513	1,682	24.6%
46.9%	6,678	8,510	1,832	27.4%
48.1%	6,661	8,475	1,815	27.2%
49.4%	6,629	8,436	1,807	27.3%
50.6%	6,624	8,301	1,676	25.3%
51.9%	6,592	8,260	1,668	25.3%
53.1%	6,582	8,241	1,659	25.2%
54.3%	6,530	8,075	1,545	23.7%
55.6%	6,483	7,900	1,417	21.9%
56.8%	6,278	7,861	1,583	25.2%
58.0%	6,268	7,714	1,446	23.1%
59.3%	6,017	7,688	1,671	27.8%
60.5%	6,015	7,685	1,670	27.8%
61.7%	5,970	7,582	1,612	27.0%
63.0%	5,820	7,477	1,657	28.5%
64.2%	5,758	7,397	1,639	28.5%
65.4%	5,720	7,319	1,599	28.0%
66.7%	5,695	7,268	1,573	27.6%
67.9%	5,681	7,020	1,339	23.6%
69.1%	5,669	7,020	1,351	23.8%
70.4%	5,632	6,952	1,320	23.4%
71.6%	5,483	6,823	1,340	24.4%
72.8%	5,471	6,805	1,333	24.4%
74.1%	5,426	6,763	1,336	24.6%
75.3%	5,318	6,755	1,437	27.0%
76.5%	5,177	6,742	1,565	30.2%
77.8%	5,172	6,685	1,513	29.3%
79.0%	5,172	6,504	1,332	25.8%
80.2%	5,142	6,500	1,358	26.4%
81.5%	5,129	6,500	1,371	26.7%
82.7%	5,129	6,308	1,179	23.0%
84.0%	5,111	6,282	1,171	22.9%
85.2%	5,107	6,152	1,045	20.5%
86.4%	5,104	6,064	960	18.8%
87.7%	5,102	5,823	721	14.1%
88.9%	5,089	5,807	718	14.1%
90.1%	5,080	5,746	666	13.1%
91.4%	4,969	5,716	747	15.0%
92.6%	4,904	5,695	790	16.1%
93.8%	4,442	5,629	1,187	26.7%
95.1%	4,408	5,317	908	20.6%
96.3%	4,326	5,185	859	19.9%
97.5%	4,096	4,807	710	17.3%
98.8%	3,917	4,779	863	22.0%
100.0%	3,541	3,837	295	8.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	11,767	2,424	25.9%
1.2%	9,246	10,361	1,116	12.1%
2.5%	9,013	9,883	870	9.7%
3.7%	8,999	9,869	869	9.7%
4.9%	8,660	9,729	1,069	12.3%
6.2%	8,540	9,621	1,081	12.7%
7.4%	8,349	9,574	1,226	14.7%
8.6%	8,220	9,532	1,313	16.0%
9.9%	8,206	9,248	1,042	12.7%
11.1%	8,033	9,228	1,195	14.9%
12.3%	7,373	8,624	1,251	17.0%
13.6%	7,162	8,479	1,317	18.4%
14.8%	6,977	8,350	1,373	19.7%
16.0%	6,820	8,239	1,419	20.8%
17.3%	6,776	8,226	1,450	21.4%
18.5%	6,739	8,218	1,479	21.9%
19.8%	6,667	8,033	1,366	20.5%
21.0%	6,631	8,021	1,390	21.0%
22.2%	6,610	7,743	1,134	17.2%
23.5%	6,555	7,586	1,031	15.7%
24.7%	6,527	7,492	965	14.8%
25.9%	6,383	7,377	993	15.6%
27.2%	6,342	7,370	1,028	16.2%
28.4%	6,307	7,350	1,043	16.5%
29.6%	6,196	7,324	1,129	18.2%
30.9%	6,181	7,311	1,129	18.3%
32.1%	6,118	7,301	1,183	19.3%
33.3%	6,094	7,251	1,157	19.0%
34.6%	5,980	7,159	1,179	19.7%
35.8%	5,868	7,156	1,288	22.0%
37.0%	5,685	7,007	1,322	23.3%
38.3%	5,662	6,988	1,325	23.4%
39.5%	5,616	6,890	1,274	22.7%
40.7%	5,534	6,864	1,331	24.0%
42.0%	5,516	6,817	1,301	23.6%
43.2%	5,503	6,782	1,279	23.2%
44.4%	5,374	6,775	1,401	26.1%
45.7%	5,219	6,603	1,384	26.5%
46.9%	5,217	6,566	1,349	25.8%
48.1%	5,186	6,547	1,361	26.2%
49.4%	5,171	6,465	1,293	25.0%
50.6%	5,130	6,413	1,282	25.0%
51.9%	5,122	6,375	1,253	24.5%
53.1%	5,122	6,350	1,228	24.0%
54.3%	5,087	6,340	1,253	24.6%
55.6%	5,070	6,285	1,215	24.0%
56.8%	5,066	6,257	1,191	23.5%
58.0%	5,062	6,133	1,071	21.2%
59.3%	5,061	6,114	1,053	20.8%
60.5%	5,055	6,076	1,021	20.2%
61.7%	5,053	6,053	1,000	19.8%
63.0%	5,030	5,969	939	18.7%
64.2%	5,029	5,944	915	18.2%
65.4%	5,029	5,879	850	16.9%
66.7%	5,029	5,801	772	15.4%
67.9%	5,024	5,747	723	14.4%
69.1%	5,023	5,703	681	13.6%
70.4%	5,019	5,687	668	13.3%
71.6%	5,018	5,603	585	11.7%
72.8%	5,016	5,595	579	11.5%
74.1%	5,012	5,495	482	9.6%
75.3%	5,012	5,456	444	8.9%
76.5%	5,011	5,438	427	8.5%
77.8%	5,010	5,388	378	7.5%
79.0%	4,994	5,294	300	6.0%
80.2%	4,951	5,276	325	6.6%
81.5%	4,837	5,274	437	9.0%
82.7%	4,555	5,167	611	13.4%
84.0%	4,546	5,120	574	12.6%
85.2%	4,533	5,092	559	12.3%
86.4%	4,532	5,087	555	12.2%
87.7%	4,530	5,066	536	11.8%
88.9%	4,510	5,055	545	12.1%
90.1%	4,441	5,044	603	13.6%
91.4%	4,182	5,030	848	20.3%
92.6%	4,038	5,030	991	24.5%
93.8%	4,013	5,029	1,016	25.3%
95.1%	4,009	5,019	1,010	25.2%
96.3%	3,563	5,016	1,453	40.8%
97.5%	3,517	4,593	1,075	30.6%
98.8%	3,505	4,533	1,029	29.4%
100.0%	3,461	4,379	919	26.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	15,000	0	0.0%
3.7%	14,634	15,000	366	2.5%
4.9%	14,255	15,000	745	5.2%
6.2%	13,378	15,000	1,622	12.1%
7.4%	13,133	15,000	1,867	14.2%
8.6%	13,068	15,000	1,932	14.8%
9.9%	12,990	15,000	2,010	15.5%
11.1%	12,848	15,000	2,152	16.8%
12.3%	12,746	15,000	2,254	17.7%
13.6%	12,730	13,491	761	6.0%
14.8%	12,706	13,418	712	5.6%
16.0%	12,542	13,240	697	5.6%
17.3%	12,453	13,035	582	4.7%
18.5%	11,980	13,026	1,046	8.7%
19.8%	11,924	12,743	819	6.9%
21.0%	11,720	12,601	881	7.5%
22.2%	11,664	12,514	850	7.3%
23.5%	11,385	12,401	1,016	8.9%
24.7%	11,348	12,356	1,007	8.9%
25.9%	10,955	12,313	1,358	12.4%
27.2%	10,859	12,286	1,427	13.1%
28.4%	10,213	12,119	1,906	18.7%
29.6%	10,080	10,229	149	1.5%
30.9%	9,532	10,101	569	6.0%
32.1%	9,329	9,827	498	5.3%
33.3%	9,123	9,623	500	5.5%
34.6%	8,969	9,566	597	6.7%
35.8%	8,500	9,401	901	10.6%
37.0%	8,366	9,023	656	7.8%
38.3%	8,236	8,610	374	4.5%
39.5%	7,644	8,385	741	9.7%
40.7%	7,286	8,160	874	12.0%
42.0%	6,958	8,019	1,060	15.2%
43.2%	6,939	7,942	1,003	14.5%
44.4%	6,653	7,772	1,119	16.8%
45.7%	6,321	7,560	1,239	19.6%
46.9%	6,289	7,207	918	14.6%
48.1%	6,168	7,196	1,028	16.7%
49.4%	6,166	7,183	1,016	16.5%
50.6%	5,872	6,910	1,038	17.7%
51.9%	5,844	6,891	1,047	17.9%
53.1%	5,830	6,885	1,055	18.1%
54.3%	5,787	6,877	1,090	18.8%
55.6%	5,776	6,785	1,009	17.5%
56.8%	5,686	6,765	1,079	19.0%
58.0%	5,635	6,695	1,060	18.8%
59.3%	5,625	6,592	967	17.2%
60.5%	5,561	6,507	946	17.0%
61.7%	5,530	6,500	970	17.5%
63.0%	5,514	6,477	963	17.5%
64.2%	5,459	6,455	997	18.3%
65.4%	5,399	6,253	854	15.8%
66.7%	5,382	6,224	842	15.7%
67.9%	5,346	6,207	862	16.1%
69.1%	5,305	6,206	902	17.0%
70.4%	5,175	6,099	924	17.9%
71.6%	5,135	5,934	800	15.6%
72.8%	5,112	5,920	808	15.8%
74.1%	5,073	5,888	815	16.1%
75.3%	5,071	5,860	789	15.6%
76.5%	5,064	5,859	795	15.7%
77.8%	5,058	5,845	787	15.6%
79.0%	4,779	5,805	1,026	21.5%
80.2%	4,596	5,698	1,102	24.0%
81.5%	4,554	5,682	1,128	24.8%
82.7%	4,526	5,666	1,140	25.2%
84.0%	4,513	5,545	1,032	22.9%
85.2%	4,403	5,430	1,027	23.3%
86.4%	4,397	5,369	972	22.1%
87.7%	4,311	5,296	985	22.9%
88.9%	4,075	5,227	1,153	28.3%
90.1%	4,061	5,083	1,022	25.2%
91.4%	4,007	5,007	1,000	24.9%
92.6%	3,891	5,000	1,109	28.5%
93.8%	3,881	5,000	1,119	28.8%
95.1%	3,514	4,945	1,431	40.7%
96.3%	3,506	4,852	1,346	38.4%
97.5%	3,505	4,698	1,193	34.0%
98.8%	3,278	4,695	1,417	43.2%
100.0%	3,255	4,496	1,242	38.2%

Table SW-16-7a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	9,258	12,153	19,084	27,004	31,441	28,424	19,441	15,292	12,918	15,838	12,415	14,704
Alternative C	9,912	13,209	18,569	25,808	30,395	26,863	19,112	15,222	13,454	17,372	13,501	15,977
Difference	654	1,056	-515	-1,195	-1,046	-1,562	-329	-70	536	1,534	1,086	1,273
Percent Difference[3]	7.1%	8.7%	-2.7%	-4.4%	-3.3%	-5.5%	-1.7%	-0.5%	4.2%	9.7%	8.7%	8.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	11,245	15,767	21,483	44,203	49,347	43,331	32,085	25,662	17,796	15,937	12,380	23,027
Alternative C	12,367	16,939	20,416	43,270	48,411	42,711	31,789	25,592	18,497	17,470	12,537	24,140
Difference	1,123	1,172	-1,068	-933	-936	-620	-297	-70	701	1,533	157	1,113
Percent Difference	10.0%	7.4%	-5.0%	-2.1%	-1.9%	-1.4%	-0.9%	-0.3%	3.9%	9.6%	1.3%	4.8%
Above Normal (15%)												
No Action Alternative	10,102	13,988	19,955	32,683	38,255	38,744	21,918	16,478	13,161	17,418	13,713	17,333
Alternative C	10,908	15,624	18,288	30,466	36,879	37,046	21,324	16,315	13,582	19,296	13,985	18,378
Difference	806	1,637	-1,667	-2,217	-1,376	-1,698	-594	-163	421	1,878	272	1,045
Percent Difference	8.0%	11.7%	-8.4%	-6.8%	-3.6%	-4.4%	-2.7%	-1.0%	3.2%	10.8%	2.0%	6.0%
Below Normal (17%)												
No Action Alternative	9,398	11,919	22,226	19,174	25,330	20,113	13,865	10,765	10,623	16,341	13,118	9,784
Alternative C	10,072	12,979	22,811	16,890	24,790	17,615	13,448	10,518	11,189	18,380	13,883	11,013
Difference	674	1,060	585	-2,284	-540	-2,497	-417	-247	566	2,038	766	1,230
Percent Difference	7.2%	8.9%	2.6%	-11.9%	-2.1%	-12.4%	-3.0%	-2.3%	5.3%	12.5%	5.8%	12.6%
Dry (22%)												
No Action Alternative	7,702	9,710	18,322	14,431	18,308	17,638	10,783	8,758	10,227	15,964	13,332	9,606
Alternative C	7,568	10,729	18,436	13,675	16,834	14,797	10,484	8,774	10,650	17,380	15,727	11,622
Difference	-134	1,019	115	-756	-1,474	-2,841	-299	16	423	1,416	2,396	2,016
Percent Difference	-1.7%	10.5%	0.6%	-5.2%	-8.1%	-16.1%	-2.8%	0.2%	4.1%	8.9%	18.0%	21.0%
Critical (15%)												
No Action Alternative	6,282	6,426	10,494	12,052	12,661	11,682	9,059	6,724	8,818	13,268	9,000	7,429
Alternative C	6,926	6,702	10,099	11,919	11,760	11,227	8,982	6,825	9,247	14,050	11,323	8,210
Difference	643	276	-395	-133	-901	-455	-78	101	430	781	2,323	782
Percent Difference	10.2%	4.3%	-3.8%	-1.1%	-7.1%	-3.9%	-0.9%	1.5%	4.9%	5.9%	25.8%	10.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-16-7b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

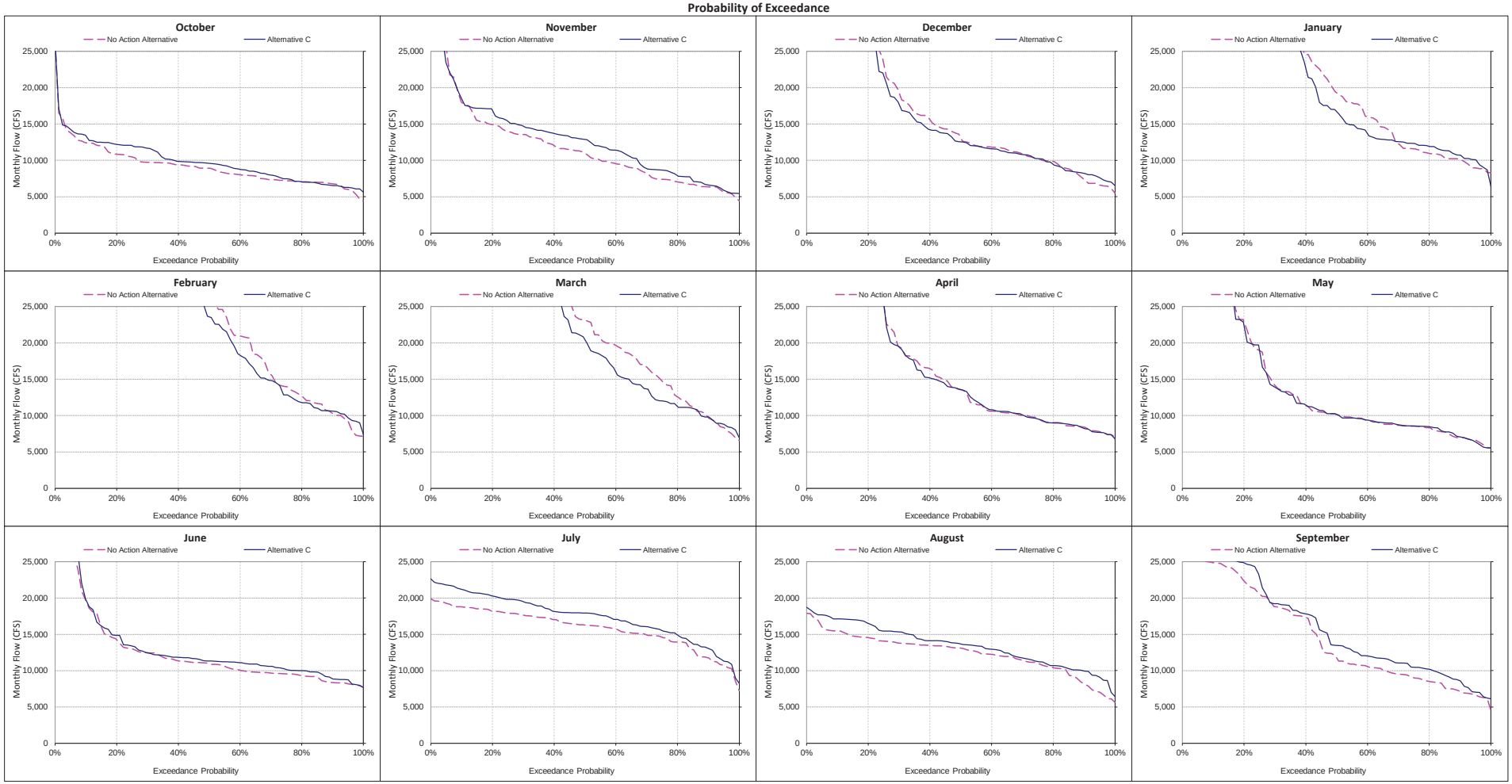

Table SW-16-7b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,681	26,727	47	0.2%
1.2%	16,511	17,132	622	3.8%
2.5%	15,779	14,883	-896	-5.7%
3.7%	14,246	14,718	472	3.3%
4.9%	13,804	14,304	500	3.6%
6.2%	13,396	13,842	446	3.3%
7.4%	12,771	13,650	879	6.9%
8.6%	12,655	13,602	947	7.5%
9.9%	12,427	13,490	1,063	8.6%
11.1%	12,402	12,728	326	2.6%
12.3%	12,337	12,699	363	2.9%
13.6%	12,073	12,505	432	3.6%
14.8%	12,012	12,483	471	3.9%
16.0%	11,861	12,455	595	5.0%
17.3%	11,162	12,451	1,289	11.5%
18.5%	10,910	12,315	1,405	12.9%
19.8%	10,847	12,218	1,371	12.6%
21.0%	10,825	12,153	1,328	12.3%
22.2%	10,780	12,093	1,313	12.2%
23.5%	10,591	12,079	1,488	14.1%
24.7%	10,497	12,077	1,581	15.1%
25.9%	10,378	11,883	1,504	14.5%
27.2%	9,834	11,881	2,046	20.8%
28.4%	9,767	11,819	2,051	21.0%
29.6%	9,738	11,691	1,953	20.1%
30.9%	9,734	11,630	1,896	19.5%
32.1%	9,708	11,363	1,655	17.1%
33.3%	9,689	11,138	1,449	15.0%
34.6%	9,673	10,513	840	8.7%
35.8%	9,655	10,180	525	5.4%
37.0%	9,634	10,159	525	5.5%
38.3%	9,492	10,070	578	6.1%
39.5%	9,398	9,869	471	5.0%
40.7%	9,375	9,833	459	4.9%
42.0%	9,333	9,798	465	5.0%
43.2%	9,224	9,793	569	6.2%
44.4%	9,220	9,745	524	5.7%
45.7%	9,126	9,713	586	6.4%
46.9%	8,950	9,696	746	8.3%
48.1%	8,946	9,664	717	8.0%
49.4%	8,920	9,649	729	8.2%
50.6%	8,893	9,578	686	7.7%
51.9%	8,682	9,508	825	9.5%
53.1%	8,461	9,456	995	11.8%
54.3%	8,351	9,326	975	11.7%
55.6%	8,219	9,254	1,035	12.6%
56.8%	8,127	9,064	937	11.5%
58.0%	8,126	8,890	764	9.4%
59.3%	8,069	8,823	754	9.3%
60.5%	7,977	8,740	763	9.6%
61.7%	7,955	8,680	724	9.1%
63.0%	7,908	8,516	608	7.7%
64.2%	7,892	8,511	620	7.9%
65.4%	7,824	8,402	578	7.4%
66.7%	7,506	8,241	735	9.8%
67.9%	7,465	8,219	754	10.1%
69.1%	7,368	8,025	657	8.9%
70.4%	7,355	7,962	606	8.2%
71.6%	7,335	7,854	519	7.1%
72.8%	7,270	7,649	379	5.2%
74.1%	7,270	7,472	202	2.8%
75.3%	7,188	7,465	277	3.9%
76.5%	7,184	7,361	177	2.5%
77.8%	7,136	7,132	-4	-0.1%
79.0%	7,100	7,116	16	0.2%
80.2%	7,041	7,018	-23	-0.3%
81.5%	7,040	7,011	-29	-0.4%
82.7%	7,001	6,999	-2	0.0%
84.0%	7,000	6,977	-22	-0.3%
85.2%	6,992	6,837	-156	-2.2%
86.4%	6,989	6,708	-281	-4.0%
87.7%	6,934	6,677	-256	-3.7%
88.9%	6,837	6,592	-245	-3.6%
90.1%	6,783	6,525	-258	-3.8%
91.4%	6,701	6,520	-182	-2.7%
92.6%	6,565	6,424	-141	-2.1%
93.8%	6,071	6,286	215	3.5%
95.1%	6,006	6,275	270	4.5%
96.3%	5,820	6,228	408	7.0%
97.5%	5,322	6,079	757	14.2%
98.8%	4,685	6,073	1,388	29.6%
100.0%	4,369	5,628	1,259	28.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,249	41,008	-1,241	-2.9%
1.2%	41,216	40,851	-364	-0.9%
2.5%	28,205	28,197	-8	0.0%
3.7%	26,012	27,431	1,419	5.5%
4.9%	25,779	23,457	-2,322	-9.0%
6.2%	21,784	22,095	310	1.4%
7.4%	21,475	21,159	-317	-1.5%
8.6%	19,690	19,752	62	0.3%
9.9%	18,033	18,600	567	3.1%
11.1%	17,584	17,552	-33	-0.2%
12.3%	17,537	17,439	-98	-0.6%
13.6%	16,614	17,228	614	3.7%
14.8%	15,538	17,186	1,648	10.6%
16.0%	15,359	17,185	1,826	11.9%
17.3%	15,358	17,135	1,777	11.6%
18.5%	15,056	17,116	2,060	13.7%
19.8%	14,939	17,098	2,159	14.5%
21.0%	14,828	16,077	1,249	8.4%
22.2%	14,687	15,857	1,170	8.0%
23.5%	14,232	15,731	1,499	10.5%
24.7%	13,989	15,491	1,502	10.7%
25.9%	13,873	15,088	1,215	8.8%
27.2%	13,693	15,070	1,377	10.1%
28.4%	13,586	14,904	1,318	9.7%
29.6%	13,582	14,807	1,225	9.0%
30.9%	13,530	14,530	1,000	7.4%
32.1%	13,241	14,445	1,204	9.1%
33.3%	13,192	14,308	1,116	8.5%
34.6%	13,054	14,153	1,100	8.4%
35.8%	12,949	14,122	1,173	9.1%
37.0%	12,382	13,994	1,612	13.0%
38.3%	12,364	13,871	1,507	12.2%
39.5%	12,187	13,745	1,558	12.8%
40.7%	11,833	13,601	1,768	14.9%
42.0%	11,618	13,525	1,907	16.4%
43.2%	11,617	13,451	1,834	15.8%
44.4%	11,533	13,368	1,835	15.9%
45.7%	11,477	13,129	1,652	14.4%
46.9%	11,338	13,098	1,761	15.5%
48.1%	11,319	12,986	1,667	14.7%
49.4%	11,132	12,916	1,784	16.0%
50.6%	10,814	12,836	2,022	18.7%
51.9%	10,363	12,463	2,100	20.3%
53.1%	10,203	12,037	1,834	18.0%
54.3%	10,153	11,993	1,840	18.1%
55.6%	9,867	11,854	1,987	20.1%
56.8%	9,863	11,773	1,910	19.4%
58.0%	9,693	11,436	1,743	18.0%
59.3%	9,620	11,420	1,800	18.7%
60.5%	9,499	11,343	1,844	19.4%
61.7%	9,454	11,220	1,766	18.7%
63.0%	9,257	10,973	1,716	18.5%
64.2%	9,038	10,570	1,532	17.0%
65.4%	8,974	10,318	1,343	15.0%
66.7%	8,972	10,277	1,304	14.5%
67.9%	8,603	9,477	874	10.2%
69.1%	8,370	9,035	665	7.9%
70.4%	8,141	8,804	662	8.1%
71.6%	7,635	8,775	1,140	14.9%
72.8%	7,464	8,742	1,278	17.1%
74.1%	7,406	8,693	1,287	17.4%
75.3%	7,401	8,647	1,246	16.8%
76.5%	7,380	8,581	1,201	16.3%
77.8%	7,283	8,388	1,105	15.2%
79.0%	7,105	8,175	1,070	15.1%
80.2%	7,029	7,815	786	11.2%
81.5%	6,935	7,783	848	12.2%
82.7%	6,787	7,762	975	14.4%
84.0%	6,708	7,732	1,025	15.3%
85.2%	6,687	7,078	391	5.8%
86.4%	6,540	7,053	513	7.8%
87.7%	6,383	6,970	587	9.2%
88.9%	6,382	6,687	305	4.8%
90.1%	6,366	6,591	226	3.5%
91.4%	6,359	6,519	160	2.5%
92.6%	6,345	6,455	109	1.7%
93.8%	5,978	6,219	241	4.0%
95.1%	5,571	5,850	278	5.0%
96.3%	5,544	5,646	102	1.8%
97.5%	5,421	5,497	76	1.4%
98.8%	4,883	5,494	611	12.5%
100.0%	4,426	5,436	1,010	22.8%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,305	62,319	15	0.0%
1.2%	56,655	55,063	-1,592	-2.8%
2.5%	55,804	54,888	-916	-1.6%
3.7%	53,645	53,451	-194	-0.4%
4.9%	49,549	48,794	-756	-1.5%
6.2%	47,680	46,512	-1,168	-2.4%
7.4%	46,598	46,181	-417	-0.9%
8.6%	41,658	39,519	-2,139	-5.1%
9.9%	39,568	38,668	-900	-2.3%
11.1%	39,070	38,333	-737	-1.9%
12.3%	38,714	35,387	-3,328	-8.6%
13.6%	35,411	34,947	-464	-1.3%
14.8%	34,559	34,233	-325	-0.9%
16.0%	31,082	32,550	1,468	4.7%
17.3%	30,613	32,121	1,508	4.9%
18.5%	30,317	30,008	-309	-1.0%
19.8%	30,228	27,157	-3,071	-10.2%
21.0%	29,838	27,006	-2,832	-9.5%
22.2%	29,106	26,065	-3,041	-10.4%
23.5%	25,261	22,236	-3,024	-12.0%
24.7%	24,054	22,037	-2,017	-8.4%
25.9%	21,469	20,537	-932	-4.3%
27.2%	20,805	18,819	-1,987	-9.5%
28.4%	20,615	18,659	-1,957	-9.5%
29.6%	19,773	18,046	-1,726	-8.7%
30.9%	18,306	16,853	-1,453	-7.9%
32.1%	18,070	16,763	-1,307	-7.2%
33.3%	17,598	16,571	-1,027	-5.8%
34.6%	16,818	15,870	-948	-5.6%
35.8%	16,419	15,295	-1,124	-6.8%
37.0%	16,185	15,196	-989	-6.1%
38.3%	16,177	14,677	-1,499	-9.3%
39.5%	15,904	14,287	-1,617	-10.2%
40.7%	15,181	14,152	-1,030	-6.8%
42.0%	14,796	14,130	-666	-4.5%
43.2%	14,543	13,808	-735	-5.1%
44.4%	14,337	13,748	-589	-4.1%
45.7%	14,298	13,689	-609	-4.3%
46.9%	14,028	13,252	-776	-5.5%
48.1%	13,779	12,681	-1,098	-8.0%
49.4%	13,596	12,550	-1,046	-7.7%
50.6%	12,624	12,533	-91	-0.7%
51.9%	12,514	12,424	-91	-0.7%
53.1%	12,385	12,041	-343	-2.8%
54.3%	12,109	12,018	-92	-0.8%
55.6%	11,932	11,957	25	0.2%
56.8%	11,888	11,788	-99	-0.8%
58.0%	11,865	11,717	-148	-1.3%
59.3%	11,862	11,588	-274	-2.3%
60.5%	11,811	11,588	-223	-1.9%
61.7%	11,792	11,537	-256	-2.2%
63.0%	11,717	11,318	-399	-3.4%
64.2%	11,616	11,230	-386	-3.3%
65.4%	11,391	11,081	-310	-2.7%
66.7%	11,194	11,021	-173	-1.5%
67.9%	11,161	10,998	-163	-1.5%
69.1%	11,031	10,859	-172	-1.6%
70.4%	10,776	10,802	26	0.2%
71.6%	10,574	10,744	170	1.6%
72.8%	10,476	10,571	95	0.9%
74.1%	10,291	10,271	-20	-0.2%
75.3%	10,198	10,212	13	0.1%
76.5%	9,965	10,180	215	2.2%
77.8%	9,939	9,825	-114	-1.1%
79.0%	9,906	9,766	-141	-1.4%
80.2%	9,828	9,366	-462	-4.7%
81.5%	9,463	9,209	-255	-2.7%
82.7%	9,030	9,024	-7	-0.1%
84.0%	8,940	8,582	-358	-4.0%
85.2%	8,809	8,542	-267	-3.0%
86.4%	8,470	8,446	-24	-0.3%
87.7%	8,206	8,373	168	2.0%
88.9%	7,757	8,320	563	7.3%
90.1%	7,326	8,206	880	12.0%
91.4%	6,847	8,043	1,195	17.5%
92.6%	6,846	8,011	1,166	17.0%
93.8%	6,832	7,856	1,023	15.0%
95.1%	6,601	7,595	994	15.1%
96.3%	6,480	7,287	807	12.5%
97.5%	6,440	7,117	678	10.5%
98.8%	6,100	7,022	922	15.1%
100.0%	5,504	6,540	1,035	18.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,167	70,684	-483	-0.7%
1.2%	70,077	69,736	-341	-0.5%
2.5%	62,642	62,644	3	0.0%
3.7%	62,469	61,748	-721	-1.2%
4.9%	58,916	58,283	-633	-1.1%
6.2%	58,137	58,193	56	0.1%
7.4%	56,778	55,713	-1,065	-1.9%
8.6%	55,106	53,210	-1,896	-3.4%
9.9%	54,766	52,802	-1,964	-3.6%
11.1%	52,513	52,350	-163	-0.3%
12.3%	50,642	49,199	-1,443	-2.9%
13.6%	50,222	48,144	-2,077	-4.1%
14.8%	49,209	48,114	-1,095	-2.2%
16.0%	49,206	47,392	-1,814	-3.7%
17.3%	48,130	46,241	-1,889	-3.9%
18.5%	48,045	45,861	-2,184	-4.5%
19.8%	47,392	45,508	-1,884	-4.0%
21.0%	45,998	45,117	-881	-1.9%
22.2%	44,251	42,624	-1,626	-3.7%
23.5%	43,614	40,699	-2,915	-6.7%
24.7%	42,283	40,423	-1,859	-4.4%
25.9%	40,709	40,421	-288	-0.7%
27.2%	40,694	36,717	-3,977	-9.8%
28.4%	39,567	36,694	-2,873	-7.3%
29.6%	36,883	35,160	-1,723	-4.7%
30.9%	36,157	33,379	-2,778	-7.7%
32.1%	33,214	32,131	-1,083	-3.3%
33.3%	32,124	30,829	-1,296	-4.0%
34.6%	29,948	27,661	-2,287	-7.6%
35.8%	29,568	26,432	-3,136	-10.6%
37.0%	27,143	25,662	-1,482	-5.5%
38.3%	27,032	25,118	-1,914	-7.1%
39.5%	24,577	23,509	-1,068	-4.3%
40.7%	24,568	21,429	-3,138	-12.8%
42.0%	23,508	21,225	-2,284	-9.7%
43.2%	23,043	20,055	-2,988	-13.0%
44.4%	22,552	17,968	-4,584	-20.3%
45.7%	21,773	17,571	-4,201	-19.3%
46.9%	21,197	17,551	-3,646	-17.2%
48.1%	20,325	17,020	-3,305	-16.3%
49.4%	19,519	16,994	-2,525	-12.9%
50.6%	19,047	16,457	-2,591	-13.6%
51.9%	18,784	15,826	-2,958	-15.7%
53.1%	18,090	15,064	-3,027	-16.7%
54.3%	18,028	14,912	-3,116	-17.3%
55.6%	17,808	14,863	-2,945	-16.5%
56.8%	17,749	14,396	-3,353	-18.9%
58.0%	17,425	14,315	-3,110	-17.8%
59.3%	16,080	14,183	-1,897	-11.8%
60.5%	15,926	13,351	-2,575	-16.2%
61.7%	15,849	13,206	-2,643	-16.7%
63.0%	15,516	12,995	-2,521	-16.2%
64.2%	14,610	12,912	-1,698	-11.6%
65.4%	14,536	12,866	-1,670	-11.5%
66.7%	14,243	12,810	-1,433	-10.1%
67.9%	13,891	12,807	-1,084	-7.8%
69.1%	12,495	12,615	121	1.0%
70.4%	12,178	12,580	402	3.3%
71.6%	11,669	12,521	852	7.3%
72.8%	11,665	12,357	692	5.9%
74.1%	11,637	12,343	706	6.1%
75.3%	11,593	12,326	733	6.3%
76.5%	11,444	12,086	641	5.6%
77.8%	11,130	12,068	937	8.4%
79.0%	11,059	12,058	999	9.0%
80.2%	10,937	11,916	979	9.0%
81.5%	10,912	11,888	975	8.9%
82.7%	10,843	11,599	756	7.0%
84.0%	10,713	11,408	695	6.5%
85.2%	10,289	11,351	1,062	10.3%
86.4%	10,239	11,311	1,072	10.5%
87.7%	10,229	10,959	729	7.1%
88.9%	10,217	10,751	534	5.2%
90.1%	10,156	10,717	561	5.5%
91.4%	9,840	10,253	413	4.2%
92.6%	9,509	10,246	737	7.7%
93.8%	8,975	10,125	1,150	12.8%
95.1%	8,962	10,082	1,120	12.5%
96.3%	8,856	9,406	550	6.2%
97.5%	8,854	9,029	175	2.0%
98.8%	8,369	8,702	334	4.0%
100.0%	8,273	6,388	-1,885	-22.8%

Table SW-16-7b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,468	71,819	-649	-0.9%
1.2%	66,154	66,382	227	0.3%
2.5%	65,164	65,003	-161	-0.2%
3.7%	62,890	62,889	-1	0.0%
4.9%	60,471	60,881	410	0.7%
6.2%	60,156	60,478	322	0.5%
7.4%	59,962	59,910	-52	-0.1%
8.6%	59,746	59,449	-298	-0.5%
9.9%	59,569	59,129	-439	-0.7%
11.1%	58,689	58,119	-570	-1.0%
12.3%	58,133	57,185	-949	-1.6%
13.6%	57,369	56,258	-1,110	-1.9%
14.8%	56,117	55,846	-271	-0.5%
16.0%	55,772	55,773	1	0.0%
17.3%	55,519	55,534	15	0.0%
18.5%	54,896	54,456	-440	-0.8%
19.8%	52,352	50,551	-1,801	-3.4%
21.0%	49,847	48,732	-1,114	-2.2%
22.2%	49,215	47,807	-1,408	-2.9%
23.5%	48,454	47,478	-977	-2.0%
24.7%	44,871	45,051	180	0.4%
25.9%	43,929	44,473	544	1.2%
27.2%	42,987	42,018	-969	-2.3%
28.4%	42,519	41,606	-914	-2.1%
29.6%	42,409	41,323	-1,085	-2.6%
30.9%	42,397	40,551	-1,845	-4.4%
32.1%	41,728	40,216	-1,512	-3.6%
33.3%	41,486	39,641	-1,846	-4.4%
34.6%	41,017	39,601	-1,416	-3.5%
35.8%	40,554	39,290	-1,265	-3.1%
37.0%	40,214	37,906	-2,308	-5.7%
38.3%	39,676	37,858	-1,819	-4.6%
39.5%	37,562	36,882	-680	-1.8%
40.7%	36,607	35,350	-1,258	-3.4%
42.0%	33,680	32,523	-1,157	-3.4%
43.2%	32,515	29,774	-2,742	-8.4%
44.4%	31,855	29,415	-2,439	-7.7%
45.7%	31,822	27,663	-4,160	-13.1%
46.9%	29,172	26,088	-3,083	-10.6%
48.1%	28,899	25,262	-3,637	-12.6%
49.4%	26,830	23,668	-3,162	-11.8%
50.6%	26,563	23,492	-3,071	-11.6%
51.9%	25,250	22,565	-2,685	-10.6%
53.1%	24,612	22,561	-2,050	-8.3%
54.3%	24,586	21,869	-2,716	-11.0%
55.6%	23,530	21,527	-2,003	-8.5%
56.8%	21,906	20,455	-1,451	-6.6%
58.0%	21,025	19,590	-1,434	-6.8%
59.3%	21,000	18,507	-2,493	-11.9%
60.5%	20,902	18,149	-2,753	-13.2%
61.7%	20,768	17,859	-2,910	-14.0%
63.0%	20,660	17,147	-3,513	-17.0%
64.2%	18,452	16,612	-1,840	-10.0%
65.4%	18,376	15,788	-2,588	-14.1%
66.7%	18,012	15,187	-2,824	-15.7%
67.9%	17,441	15,144	-2,296	-13.2%
69.1%	15,998	14,880	-1,117	-7.0%
70.4%	15,461	14,790	-671	-4.3%
71.6%	14,449	14,537	88	0.6%
72.8%	14,172	14,140	-32	-0.2%
74.1%	14,022	12,848	-1,175	-8.4%
75.3%	13,968	12,845	-1,123	-8.0%
76.5%	13,510	12,516	-994	-7.4%
77.8%	13,257	12,176	-1,081	-8.2%
79.0%	12,951	11,899	-1,052	-8.1%
80.2%	12,600	11,773	-827	-6.6%
81.5%	12,061	11,746	-315	-2.6%
82.7%	12,021	11,672	-349	-2.9%
84.0%	11,755	11,100	-655	-5.6%
85.2%	11,652	11,001	-651	-5.6%
86.4%	11,579	10,691	-887	-7.7%
87.7%	10,754	10,684	-70	-0.7%
88.9%	10,594	10,647	53	0.5%
90.1%	10,242	10,624	382	3.7%
91.4%	10,061	10,524	463	4.6%
92.6%	10,011	10,272	260	2.6%
93.8%	9,587	10,186	599	6.2%
95.1%	9,174	9,683	509	5.5%
96.3%	7,894	9,335	1,441	18.3%
97.5%	7,300	9,198	1,898	26.0%
98.8%	7,196	9,002	1,806	25.1%
100.0%	7,145	7,357	213	3.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,020	69,020	0	0.0%
1.2%	67,784	67,053	-731	-1.1%
2.5%	62,846	62,850	4	0.0%
3.7%	60,526	59,924	-602	-1.0%
4.9%	59,935	59,808	-127	-0.2%
6.2%	59,029	58,886	-143	-0.2%
7.4%	58,885	57,735	-1,150	-2.0%
8.6%	56,288	56,247	-41	-0.1%
9.9%	55,196	54,528	-668	-1.2%
11.1%	53,009	52,649	-359	-0.7%
12.3%	52,729	52,647	-82	-0.2%
13.6%	52,645	51,784	-861	-1.6%
14.8%	51,481	51,348	-133	-0.3%
16.0%	48,607	48,610	3	0.0%
17.3%	47,761	47,763	2	0.0%
18.5%	47,686	47,681	-4	0.0%
19.8%	47,084	44,354	-2,731	-5.8%
21.0%	43,472	43,681	209	0.5%
22.2%	42,480	42,480	0	0.0%
23.5%	41,370	41,389	19	0.0%
24.7%	40,719	40,288	-431	-1.1%
25.9%	39,344	39,696	352	0.9%
27.2%	39,138	36,688	-2,450	-6.3%
28.4%	36,506	32,912	-3,594	-9.8%
29.6%	36,360	32,655	-3,705	-10.2%
30.9%	36,184	31,725	-4,459	-12.3%
32.1%	35,730	31,722	-4,008	-11.2%
33.3%	32,804	30,648	-2,156	-6.6%
34.6%	32,475	30,621	-1,854	-5.7%
35.8%	31,123	30,241	-881	-2.8%
37.0%	30,698	30,114	-584	-1.9%
38.3%	30,632	28,542	-2,090	-6.8%
39.5%	30,209	28,116	-2,094	-6.9%
40.7%	28,606	26,168	-2,438	-8.5%
42.0%	27,915	25,672	-2,243	-8.0%
43.2%	26,733	23,637	-3,096	-11.6%
44.4%	25,243	23,163	-2,080	-8.2%
45.7%	25,089	21,401	-3,688	-14.7%
46.9%	23,630	21,344	-2,285	-9.7%
48.1%	23,262	21,099	-2,163	-9.3%
49.4%	23,162	20,838	-2,324	-10.0%
50.6%	23,043	19,977	-3,066	-13.3%
51.9%	22,820	18,920	-3,901	-17.1%
53.1%	21,105	18,699	-2,406	-11.4%
54.3%	21,095	18,541	-2,554	-12.1%
55.6%	20,277	18,230	-2,047	-10.1%
56.8%	19,996	17,921	-2,075	-10.4%
58.0%	19,975	17,126	-2,849	-14.3%
59.3%	19,812	16,595	-3,217	-16.2%
60.5%	19,507	15,557	-3,950	-20.3%
61.7%	19,216	15,289	-3,927	-20.4%
63.0%	18,715	15,115	-3,600	-19.2%
64.2%	18,557	15,008	-3,548	-19.1%
65.4%	18,211	14,411	-3,800	-20.9%
66.7%	17,748	14,267	-3,481	-19.6%
67.9%	17,045	14,236	-2,809	-16.5%
69.1%	17,036	13,724	-3,312	-19.4%
70.4%	16,498	13,630	-2,867	-17.4%
71.6%	15,937	12,682	-3,255	-20.4%
72.8%	15,635	12,181	-3,454	-22.1%
74.1%	15,151	12,030	-3,121	-20.6%
75.3%	14,592	12,010	-2,582	-17.7%
76.5%	14,212	11,913	-2,299	-16.2%
77.8%	14,081	11,668	-2,412	-17.1%
79.0%	12,843	11,644	-1,199	-9.3%
80.2%	12,476	11,142	-1,333	-10.7%
81.5%	12,119	11,126	-994	-8.2%
82.7%	11,984	11,118	-867	-7.2%
84.0%	11,375	11,108	-267	-2.3%
85.2%	11,169	10,961	-208	-1.9%
86.4%	10,581	10,779	198	1.9%
87.7%	10,540	9,938	-603	-5.7%
88.9%	10,296	9,802	-494	-4.8%
90.1%	9,636	9,797	160	1.7%
91.4%	9,394	9,407	13	0.1%
92.6%	9,079	8,947	-132	-1.5%
93.8%	8,493	8,944	451	5.3%
95.1%	8,323	8,811	487	5.9%
96.3%	7,846	8,439	593	7.6%
97.5%	7,501	8,338	836	11.2%
98.8%	6,926	8,024	1,097	15.8%
100.0%	6,558	6,953	395	6.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,606	59,606	0	0.0%
1.2%	56,952	56,959	7	0.0%
2.5%	53,968	53,966	-1	0.0%
3.7%	49,215	48,928	-287	-0.6%
4.9%	48,934	48,893	-41	-0.1%
6.2%	48,893	48,429	-465	-1.0%
7.4%	48,425	47,542	-883	-1.8%
8.6%	46,353	46,347	-6	0.0%
9.9%	45,645	45,655	10	0.0%
11.1%	42,911	40,158	-2,753	-6.4%
12.3%	38,249	38,255	6	0.0%
13.6%	35,500	35,493	-7	0.0%
14.8%	34,515	34,505	-11	0.0%
16.0%	34,097	32,720	-1,377	-4.0%
17.3%	33,157	32,401	-756	-2.3%
18.5%	32,674	30,226	-2,449	-7.5%
19.8%	32,557	29,255	-3,302	-10.1%
21.0%	30,211	29,007	-1,203	-4.0%
22.2%	29,004	27,582	-1,422	-4.9%
23.5%	28,444	27,091	-1,353	-4.8%
24.7%	26,464	26,557	93	0.4%
25.9%	22,571	22,054	-517	-2.3%
27.2%	22,081	20,108	-1,973	-8.9%
28.4%	21,461	19,765	-1,696	-7.9%
29.6%	19,562	19,568	6	0.0%
30.9%	19,273	19,048	-225	-1.2%
32.1%	18,209	18,243	33	0.2%
33.3%	18,208	17,828	-380	-2.1%
34.6%	17,828	17,619	-209	-1.2%
35.8%	17,528	16,263	-1,266	-7.2%
37.0%	16,833	16,179	-655	-3.9%
38.3%	16,598	15,275	-1,323	-8.0%
39.5%	16,551	15,227	-1,324	-8.0%
40.7%	16,299	15,074	-1,226	-7.5%
42.0%	15,433	14,945	-487	-3.2%
43.2%	15,241	14,725	-516	-3.4%
44.4%	14,953	14,535	-418	-2.8%
45.7%	14,749	14,007	-742	-5.0%
46.9%	14,006	13,908	-99	-0.7%
48.1%	13,819	13,818	-1	0.0%
49.4%	13,599	13,662	63	0.5%
50.6%	13,499	13,499	1	0.0%
51.9%	13,219	13,286	67	0.5%
53.1%	11,828	12,582	755	6.4%
54.3%	11,699	12,155	456	3.9%
55.6%	11,482	11,841	359	3.1%
56.8%	11,473	11,476	3	0.0%
58.0%	10,804	11,088	284	2.6%
59.3%	10,618	10,818	200	1.9%
60.5%	10,600	10,800	200	1.9%
61.7%	10,559	10,602	43	0.4%
63.0%	10,456	10,565	109	1.0%
64.2%	10,407	10,559	152	1.5%
65.4%	10,367	10,552	185	1.8%
66.7%	10,350	10,371	20	0.2%
67.9%	10,249	10,301	52	0.5%
69.1%	10,051	10,251	200	2.0%
70.4%	10,047	10,014	-33	-0.3%
71.6%	9,995	9,757	-239	-2.4%
72.8%	9,798	9,715	-83	-0.9%
74.1%	9,762	9,617	-145	-1.5%
75.3%	9,499	9,502	3	0.0%
76.5%	9,202	9,319	117	1.3%
77.8%	9,116	9,049	-67	-0.7%
79.0%	9,088	8,996	-92	-1.0%
80.2%	9,042	8,984	-58	-0.6%
81.5%	9,020	8,959	-61	-0.7%
82.7%	8,959	8,927	-32	-0.4%
84.0%	8,604	8,859	255	3.0%
85.2%	8,569	8,811	243	2.8%
86.4%	8,547	8,688	140	1.6%
87.7%	8,535	8,647	112	1.3%
88.9%	8,483	8,428	-55	-0.6%
90.1%	8,398	8,209	-189	-2.3%
91.4%	8,133	8,134	1	0.0%
92.6%	7,927	7,783	-144	-1.8%
93.8%	7,886	7,700	-186	-2.4%
95.1%	7,795	7,675	-120	-1.5%
96.3%	7,677	7,649	-28	-0.4%
97.5%	7,407	7,409	1	0.0%
98.8%	7,369	7,370	1	0.0%
100.0%	7,057	6,791	-266	-3.8%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,374	48,626	-748	-1.5%
1.2%	47,028	46,931	-97	-0.2%
2.5%	44,132	44,138	6	0.0%
3.7%	41,851	41,852	1	0.0%
4.9%	38,526	38,153	-372	-1.0%
6.2%	36,637	36,635	-2	0.0%
7.4%	34,792	34,872	80	0.2%
8.6%	34,247	34,134	-113	-0.3%
9.9%	33,606	33,499	-106	-0.3%
11.1%	31,932	32,576	644	2.0%
12.3%	31,887	31,829	-59	-0.2%
13.6%	31,807	31,808	0	0.0%
14.8%	31,719	31,747	28	0.1%
16.0%	27,277	27,281	4	0.0%
17.3%	24,594	23,236	-1,359	-5.5%
18.5%	23,256	23,194	-63	-0.3%
19.8%	23,200	22,849	-351	-1.5%
21.0%	21,781	20,112	-1,668	-7.7%
22.2%	20,212	19,906	-305	-1.5%
23.5%	19,306	19,728	422	2.2%
24.7%	19,013	19,711	698	3.7%
25.9%	18,752	16,637	-2,116	-11.3%
27.2%	15,944	15,911	-32	-0.2%
28.4%	15,194	14,298	-895	-5.9%
29.6%	14,298	14,010	-289	-2.0%
30.9%	13,762	13,668	-93	-0.7%
32.1%	13,481	13,332	-149	-1.1%
33.3%	13,337	13,221	-116	-0.9%
34.6%	13,256	12,836	-420	-3.2%
35.8%	12,906	12,824	-82	-0.6%
37.0%	12,821	11,676	-1,146	-8.9%
38.3%	11,671	11,672	1	0.0%
39.5%	11,455	11,578	123	1.1%
40.7%	11,230	11,234	4	0.0%
42.0%	10,681	11,200	519	4.9%
43.2%	10,600	10,972	372	3.5%
44.4%	10,505	10,701	196	1.9%
45.7%	10,471	10,683	213	2.0%
46.9%	10,318	10,262	-57	-0.6%
48.1%	10,258	10,259	0	0.0%
49.4%	10,254	10,252	-2	0.0%
50.6%	10,047	10,050	3	0.0%
51.9%	9,921	9,684	-238	-2.4%
53.1%	9,817	9,682	-135	-1.4%
54.3%	9,797	9,675	-122	-1.2%
55.6%	9,679	9,655	-24	-0.2%
56.8%	9,674	9,607	-68	-0.7%
58.0%	9,616	9,548	-67	-0.7%
59.3%	9,381	9,429	47	0.5%
60.5%	9,360	9,364	4	0.0%
61.7%	9,268	9,136	-132	-1.4%
63.0%	9,103	9,119	16	0.2%
64.2%	8,978	9,081	103	1.2%
65.4%	8,806	9,016	210	2.4%
66.7%	8,798	8,986	188	2.1%
67.9%	8,783	8,978	195	2.2%
69.1%	8,687	8,800	112	1.3%
70.4%	8,637	8,688	50	0.6%
71.6%	8,584	8,635	51	0.6%
72.8%	8,563	8,619	56	0.7%
74.1%	8,560	8,586	25	0.3%
75.3%	8,556	8,567	11	0.1%
76.5%	8,513	8,557	44	0.5%
77.8%	8,487	8,502	15	0.2%
79.0%	8,328	8,490	163	2.0%
80.2%	8,323	8,447	124	1.5%
81.5%	7,947	8,326	379	4.8%
82.7%	7,879	8,325	446	5.7%
84.0%	7,765	7,875	110	1.4%
85.2%	7,761	7,764	2	0.0%
86.4%	7,451	7,734	283	3.8%
87.7%	7,144	7,559	415	5.8%
88.9%	6,992	7,146	154	2.2%
90.1%	6,981	7,063	82	1.2%
91.4%	6,953	6,955	3	0.0%
92.6%	6,777	6,776	0	0.0%
93.8%	6,629	6,619	-9	-0.1%
95.1%	6,612	6,355	-258	-3.9%
96.3%	6,297	6,021	-276	-4.4%
97.5%	6,007	5,654	-352	-5.9%
98.8%	5,614	5,567	-47	-0.8%
100.0%	5,530	5,555	25	0.4%

Table SW-16-7b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,597	49,500	-97	-0.2%
1.2%	37,192	37,206	14	0.0%
2.5%	27,160	28,376	1,217	4.5%
3.7%	27,034	28,001	967	3.6%
4.9%	25,878	26,487	609	2.4%
6.2%	25,748	26,347	599	2.3%
7.4%	24,073	26,222	2,149	8.9%
8.6%	21,010	22,078	1,067	5.1%
9.9%	19,784	19,915	131	0.7%
11.1%	18,586	18,814	227	1.2%
12.3%	18,058	18,370	312	1.7%
13.6%	17,874	16,672	-1,202	-6.7%
14.8%	16,193	16,209	16	0.1%
16.0%	15,048	15,868	819	5.4%
17.3%	14,863	15,681	818	5.5%
18.5%	14,560	14,926	366	2.5%
19.8%	14,386	14,864	478	3.3%
21.0%	13,760	14,855	1,096	8.0%
22.2%	13,202	13,551	349	2.6%
23.5%	13,115	13,521	406	3.1%
24.7%	13,077	13,436	359	2.7%
25.9%	12,864	13,296	432	3.4%
27.2%	12,607	12,822	215	1.7%
28.4%	12,476	12,680	205	1.6%
29.6%	12,456	12,465	9	0.1%
30.9%	12,434	12,387	-47	-0.4%
32.1%	12,428	12,198	-230	-1.8%
33.3%	12,211	12,152	-59	-0.5%
34.6%	11,947	12,134	187	1.6%
35.8%	11,693	12,050	357	3.1%
37.0%	11,667	11,958	290	2.5%
38.3%	11,557	11,859	302	2.6%
39.5%	11,402	11,833	431	3.8%
40.7%	11,291	11,824	533	4.7%
42.0%	11,279	11,780	501	4.4%
43.2%	11,202	11,779	577	5.2%
44.4%	11,142	11,685	543	4.9%
45.7%	11,123	11,623	500	4.5%
46.9%	11,105	11,540	435	3.9%
48.1%	11,079	11,362	283	2.6%
49.4%	11,034	11,339	305	2.8%
50.6%	10,879	11,337	457	4.2%
51.9%	10,867	11,274	408	3.7%
53.1%	10,836	11,264	427	3.9%
54.3%	10,773	11,234	461	4.3%
55.6%	10,488	11,223	735	7.0%
56.8%	10,315	11,192	878	8.5%
58.0%	10,150	11,188	1,038	10.2%
59.3%	10,146	11,100	954	9.4%
60.5%	9,982	11,091	1,109	11.1%
61.7%	9,931	10,968	1,037	10.4%
63.0%	9,802	10,918	1,117	11.4%
64.2%	9,799	10,915	1,116	11.4%
65.4%	9,782	10,905	1,123	11.5%
66.7%	9,747	10,695	948	9.7%
67.9%	9,741	10,673	931	9.6%
69.1%	9,717	10,608	891	9.2%
70.4%	9,649	10,597	949	9.8%
71.6%	9,610	10,418	808	8.4%
72.8%	9,597	10,395	798	8.3%
74.1%	9,570	10,278	708	7.4%
75.3%	9,543	10,096	553	5.8%
76.5%	9,542	10,048	506	5.3%
77.8%	9,494	10,038	545	5.7%
79.0%	9,386	10,012	626	6.7%
80.2%	9,249	9,999	750	8.1%
81.5%	9,213	9,957	744	8.1%
82.7%	9,192	9,838	647	7.0%
84.0%	9,182	9,808	626	6.8%
85.2%	9,081	9,797	716	7.9%
86.4%	8,637	9,551	914	10.6%
87.7%	8,500	9,196	697	8.2%
88.9%	8,426	9,112	686	8.1%
90.1%	8,356	8,859	503	6.0%
91.4%	8,324	8,800	476	5.7%
92.6%	8,310	8,786	476	5.7%
93.8%	8,310	8,760	450	5.4%
95.1%	8,182	8,748	566	6.9%
96.3%	8,106	8,157	51	0.6%
97.5%	7,993	8,079	86	1.1%
98.8%	7,937	7,967	30	0.4%
100.0%	7,710	7,662	-48	-0.6%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,895	22,640	2,744	13.8%
1.2%	19,581	22,144	2,563	13.1%
2.5%	19,550	22,016	2,466	12.6%
3.7%	19,485	21,940	2,455	12.6%
4.9%	19,277	21,796	2,519	13.1%
6.2%	19,142	21,743	2,601	13.6%
7.4%	18,832	21,623	2,791	14.8%
8.6%	18,797	21,369	2,572	13.7%
9.9%	18,797	21,211	2,414	12.8%
11.1%	18,720	21,057	2,338	12.5%
12.3%	18,688	20,873	2,185	11.7%
13.6%	18,654	20,734	2,080	11.1%
14.8%	18,511	20,699	2,187	11.8%
16.0%	18,504	20,655	2,151	11.6%
17.3%	18,498	20,540	2,042	11.0%
18.5%	18,431	20,494	2,063	11.2%
19.8%	18,184	20,321	2,137	11.8%
21.0%	18,165	20,201	2,036	11.2%
22.2%	18,121	20,076	1,955	10.8%
23.5%	18,016	19,934	1,917	10.6%
24.7%	17,907	19,825	1,918	10.7%
25.9%	17,884	19,800	1,916	10.7%
27.2%	17,880	19,768	1,888	10.6%
28.4%	17,774	19,704	1,930	10.9%
29.6%	17,692	19,555	1,864	10.5%
30.9%	17,589	19,375	1,786	10.2%
32.1%	17,522	19,307	1,785	10.2%
33.3%	17,502	19,088	1,586	9.1%
34.6%	17,378	18,913	1,535	8.8%
35.8%	17,322	18,908	1,585	9.2%
37.0%	17,288	18,602	1,314	7.6%
38.3%	17,248	18,477	1,228	7.1%
39.5%	17,061	18,173	1,111	6.5%
40.7%	17,027	18,103	1,075	6.3%
42.0%	16,684	18,027	1,343	8.1%
43.2%	16,596	17,997	1,401	8.4%
44.4%	16,535	17,984	1,450	8.8%
45.7%	16,470	17,965	1,495	9.1%
46.9%	16,415	17,957	1,543	9.4%
48.1%	16,324	17,946	1,622	9.9%
49.4%	16,308	17,944	1,636	10.0%
50.6%	16,236	17,913	1,677	10.3%
51.9%	16,209	17,881	1,672	10.3%
53.1%	16,189	17,811	1,623	10.0%
54.3%	16,153	17,676	1,523	9.4%
55.6%	16,088	17,567	1,479	9.2%
56.8%	15,949	17,541	1,592	10.0%
58.0%	15,885	17,321	1,436	9.0%
59.3%	15,807	17,062	1,255	7.9%
60.5%	15,652	17,047	1,395	8.9%
61.7%	15,378	16,854	1,475	9.6%
63.0%	15,259	16,845	1,586	10.4%
64.2%	15,239	16,628	1,388	9.1%
65.4%	15,166	16,341	1,175	7.8%
66.7%	15,141	16,280	1,139	7.5%
67.9%	15,134	16,096	962	6.4%
69.1%	15,057	16,083	1,026	6.8%
70.4%	14,860	16,027	1,167	7.9%
71.6%	14,841	15,904	1,062	7.2%
72.8%	14,818	15,803	985	6.6%
74.1%	14,739	15,694	955	6.5%
75.3%	14,526	15,448	923	6.4%
76.5%	14,511	15,359	848	5.8%
77.8%	14,003	15,205	1,203	8.6%
79.0%	13,950	15,195	1,245	8.9%
80.2%	13,945	14,815	870	6.2%
81.5%	13,927	14,500	572	4.1%
82.7%	13,850	14,435	584	4.2%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,638	775	6.0%
86.4%	12,049	13,596	1,547	12.8%
87.7%	11,919	13,274	1,355	11.4%
88.9%	11,864	13,236	1,372	11.6%
90.1%	11,737	13,027	1,290	11.0%
91.4%	11,273	12,781	1,508	13.4%
92.6%	11,216	11,959	744	6.6%
93.8%	10,842	11,628	786	7.2%
95.1%	10,764	11,277	513	4.8%
96.3%	10,409	11,216	807	7.7%
97.5%	10,264	10,867	602	5.9%
98.8%	8,516	8,977	461	5.4%
100.0%	7,219	8,240	1,022	14.2%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,892	18,716	823	4.6%
1.2%	17,838	18,393	555	3.1%
2.5%	17,235	17,967	733	4.3%
3.7%	16,949	17,698	749	4.4%
4.9%	16,030	17,668	1,638	10.2%
6.2%	15,647	17,624	1,976	12.6%
7.4%	15,546	17,432	1,886	12.1%
8.6%	15,479	17,141	1,661	10.7%
9.9%	15,472	17,139	1,667	10.8%
11.1%	15,434	17,138	1,705	11.0%
12.3%	15,180	17,079	1,899	12.5%
13.6%	14,976	17,065	2,089	14.0%
14.8%	14,783	17,009	2,226	15.1%
16.0%	14,692	16,995	2,303	15.7%
17.3%	14,636	16,932	2,296	15.7%
18.5%	14,592	16,825	2,233	15.3%
19.8%	14,572	16,524	1,952	13.4%
21.0%	14,453	16,330	1,877	13.0%
22.2%	14,382	16,071	1,689	11.7%
23.5%	14,100	15,552	1,451	10.3%
24.7%	14,086	15,462	1,376	9.8%
25.9%	14,057	15,454	1,398	9.9%
27.2%	13,977	15,448	1,471	10.5%
28.4%	13,953	15,362	1,409	10.1%
29.6%	13,783	15,329	1,546	11.2%
30.9%	13,778	15,298	1,520	11.0%
32.1%	13,716	15,092	1,376	10.0%
33.3%	13,709	15,008	1,298	9.5%
34.6%	13,662	14,921	1,259	9.2%
35.8%	13,657	14,392	736	5.4%
37.0%	13,510	14,335	825	6.1%
38.3%	13,509	14,165	656	4.9%
39.5%	13,473	14,126	653	4.8%
40.7%	13,433	14,108	675	5.0%
42.0%	13,413	14,107	694	5.2%
43.2%	13,398	14,103	705	5.3%
44.4%	13,371	14,043	672	5.0%
45.7%	13,300	13,967	666	5.0%
46.9%	13,205	13,858	653	4.9%
48.1%	13,149	13,818	669	5.1%
49.4%	13,145	13,736	592	4.5%
50.6%	13,065	13,591	526	4.0%
51.9%	12,905	13,558	653	5.1%
53.1%	12,734	13,539	806	6.3%
54.3%	12,727	13,473	746	5.9%
55.6%	12,558	13,393	835	6.6%
56.8%	12,300	13,353	1,054	8.6%
58.0%	12,298	13,047	749	6.1%
59.3%	12,259	12,961	702	5.7%
60.5%	12,234	12,932	699	5.7%
61.7%	12,061	12,851	790	6.5%
63.0%	12,019	12,768	749	6.2%
64.2%	11,964	12,455	491	4.1%
65.4%	11,954	12,405	451	3.8%
66.7%	11,907	12,083	177	1.5%
67.9%	11,620	11,925	305	2.6%
69.1%	11,521	11,830	309	2.7%
70.4%	11,343	11,723	381	3.4%
71.6%	11,208	11,600	392	3.5%
72.8%	11,152	11,484	331	3.0%
74.1%	11,137	11,342	205	1.8%
75.3%	10,933	11,232	299	2.7%
76.5%	10,726	11,203	477	4.4%
77.8%	10,596	10,934	338	3.2%
79.0%	10,540	10,699	158	1.5%
80.2%	10,369	10,697	328	3.2%
81.5%	10,290	10,673	383	3.7%
82.7%	10,279	10,590	311	3.0%
84.0%	10,124	10,412	288	2.8%
85.2%	9,343	10,231	888	9.5%
86.4%	9,282	10,119	838	9.0%
87.7%	8,927	10,119	1,192	13.4%
88.9%	8,453	10,052	1,600	18.9%
90.1%	8,145	9,939	1,794	22.0%
91.4%	7,859	9,902	2,043	26.0%
92.6%	7,351	9,373	2,022	27.5%
93.8%	7,146	9,348	2,202	30.8%
95.1%	7,020	9,101	2,081	29.6%
96.3%	6,652	8,679	2,027	30.5%
97.5%	6,155	8,646	2,491	40.5%
98.8%	6,110	7,008	899	14.7%
100.0%	5,625	6,418	792	14.1%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,918	26,949	31	0.1%
1.2%	26,415	26,649	233	0.9%
2.5%	26,249	26,629	380	1.4%
3.7%	26,112	26,197	85	0.3%
4.9%	25,778	26,190	412	1.6%
6.2%	25,583	26,171	589	2.3%
7.4%	25,062	25,895	833	3.3%
8.6%	24,988	25,801	813	3.3%
9.9%	24,860	25,795	934	3.8%
11.1%	24,806	25,761	955	3.8%
12.3%	24,764	25,568	804	3.2%
13.6%	24,458	25,459	1,002	4.1%
14.8%	24,124	25,346	1,222	5.1%
16.0%	24,123	25,205	1,083	4.5%
17.3%	23,696	25,128	1,432	6.0%
18.5%	23,204	24,956	1,752	7.6%
19.8%	22,470	24,892	2,422	10.8%
21.0%	21,907	24,653	2,746	12.5%
22.2%	21,497	24,531	3,034	14.1%
23.5%	21,290	24,327	3,037	14.3%
24.7%	20,678	23,299	2,622	12.7%
25.9%	20,239	21,372	1,133	5.6%
27.2%	20,207	20,492	285	1.4%
28.4%	19,554	19,344	-210	-1.1%
29.6%	18,825	19,236	412	2.2%
30.9%	18,776	19,212	436	2.3%
32.1%	18,626	19,082	456	2.5%
33.3%	18,487	19,033	546	3.0%
34.6%	18,279	18,971	692	3.8%
35.8%	17,637	18,322	685	3.9%
37.0%	17,575	18,285	710	4.0%
38.3%	17,542	17,969	427	2.4%
39.5%	17,405	17,873	468	2.7%
40.7%	17,195	17,759	564	3.3%
42.0%	15,549	17,575	2,026	13.0%
43.2%	15,092	17,255	2,163	14.3%
44.4%	14,175	15,612	1,437	10.1%
45.7%	12,552	15,373	2,821	22.5%
46.9%	12,409	15,163	2,753	22.2%
48.1%	12,374	13,552	1,178	9.5%
49.4%	12,143	13,484	1,341	11.0%
50.6%	11,310	13,439	2,130	18.8%
51.9%	11,306	13,434	2,128	18.8%
53.1%	11,060	13,134	2,074	18.8%
54.3%	10,888	13,003	2,115	19.4%
55.6%	10,883	12,602	1,720	15.8%
56.8%	10,728	12,468	1,740	16.2%
58.0%	10,708	12,075	1,367	12.8%
59.3%	10,676	12,060	1,384	13.0%
60.5%	10,487	11,992	1,505	14.3%
61.7%	10,419	11,877	1,458	14.0%
63.0%	10,364	11,744	1,380	13.3%
64.2%	10,294	11,715	1,421	13.8%
65.4%	9,970	11,683	1,712	17.2%
66.7%	9,840	11,554	1,713	17.4%
67.9%	9,687	11,326	1,639	16.9%
69.1%	9,560	11,087	1,527	16.0%
70.4%	9,490	11,051	1,560	16.4%
71.6%	9,482	11,038	1,556	16.4%
72.8%	9,383	10,994	1,611	17.2%
74.1%	9,113	10,480	1,367	15.0%
75.3%	8,971	10,448	1,477	16.5%
76.5%	8,941	10,443	1,501	16.8%
77.8%	8,773	10,365	1,592	18.1%
79.0%	8,592	10,231	1,638	19.1%
80.2%	8,495	10,182	1,687	19.9%
81.5%	8,423	9,948	1,525	18.1%
82.7%	8,361	9,802	1,440	17.2%
84.0%	8,264	9,575	1,311	15.9%
85.2%	7,553	9,334	1,781	23.6%
86.4%	7,509	9,108	1,599	21.3%
87.7%	7,482	8,856	1,374	18.4%
88.9%	7,350	8,778	1,428	19.4%
90.1%	7,118	8,556	1,438	20.2%
91.4%	6,915	7,827	912	13.2%
92.6%	6,864	7,640	777	11.3%
93.8%	6,785	7,089	304	4.5%
95.1%	6,641	7,041	400	6.0%
96.3%	6,398	6,987	589	9.2%
97.5%	6,288	6,398	110	1.7%
98.8%	6,261	6,227	-34	-0.5%
100.0%	4,458	6,122	1,664	37.3%

Table SW-17-7a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,172	15,682	23,091	31,365	36,579	32,466	23,227	19,060	16,650	19,620	15,164	17,563
Alternative C	11,909	16,802	22,647	30,216	35,528	30,958	22,946	19,005	17,106	20,834	16,281	18,804
Difference	737	1,120	-443	-1,149	-1,051	-1,508	-281	-56	455	1,214	1,117	1,241
Percent Difference[3]	6.6%	7.1%	-1.9%	-3.7%	-2.9%	-4.6%	-1.2%	-0.3%	2.7%	6.2%	7.4%	7.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,338	20,484	25,564	50,411	56,680	49,433	37,987	31,825	23,961	20,124	16,085	27,628
Alternative C	14,697	21,786	24,513	49,580	55,738	48,848	37,683	31,756	24,682	21,310	16,416	28,422
Difference	1,360	1,302	-1,051	-831	-942	-585	-304	-69	721	1,186	332	794
Percent Difference	10.2%	6.4%	-4.1%	-1.6%	-1.7%	-1.2%	-0.8%	-0.2%	3.0%	5.9%	2.1%	2.9%
Above Normal (15%)												
No Action Alternative	11,935	17,421	24,224	38,198	44,607	43,898	26,018	20,801	16,641	22,067	16,588	20,659
Alternative C	12,755	19,161	22,689	36,178	43,257	42,276	25,420	20,621	16,998	23,617	16,851	21,552
Difference	820	1,740	-1,535	-2,020	-1,350	-1,622	-599	-180	357	1,551	262	893
Percent Difference	6.9%	10.0%	-6.3%	-5.3%	-3.0%	-3.7%	-2.3%	-0.9%	2.1%	7.0%	1.6%	4.3%
Below Normal (17%)												
No Action Alternative	11,731	16,232	27,522	22,823	30,766	23,248	17,458	14,007	13,725	21,453	15,848	12,256
Alternative C	12,414	17,387	28,180	20,576	30,129	20,745	17,183	13,815	14,239	22,630	16,566	14,049
Difference	683	1,156	658	-2,247	-637	-2,503	-275	-193	515	1,177	718	1,793
Percent Difference	5.8%	7.1%	2.4%	-9.8%	-2.1%	-10.8%	-1.6%	-1.4%	3.7%	5.5%	4.5%	14.6%
Dry (22%)												
No Action Alternative	9,495	12,396	22,286	17,254	21,222	20,408	13,167	10,883	12,636	19,263	15,856	11,256
Alternative C	9,466	13,387	22,555	16,386	19,790	17,655	12,863	10,925	12,922	20,563	18,077	13,313
Difference	-29	991	269	-868	-1,432	-2,753	-304	42	286	1,299	2,221	2,057
Percent Difference	-0.3%	8.0%	1.2%	-5.0%	-6.7%	-13.5%	-2.3%	0.4%	2.3%	6.7%	14.0%	18.3%
Critical (15%)												
No Action Alternative	7,580	7,826	12,634	14,400	14,816	13,115	10,275	7,824	10,256	14,478	9,913	8,310
Alternative C	8,099	8,083	12,246	14,293	13,916	12,749	10,388	7,937	10,418	15,331	12,395	9,002
Difference	519	256	-388	-107	-899	-366	113	112	162	853	2,482	692
Percent Difference	6.8%	3.3%	-3.1%	-0.7%	-6.1%	-2.8%	1.1%	1.4%	1.6%	5.9%	25.0%	8.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-17-7b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

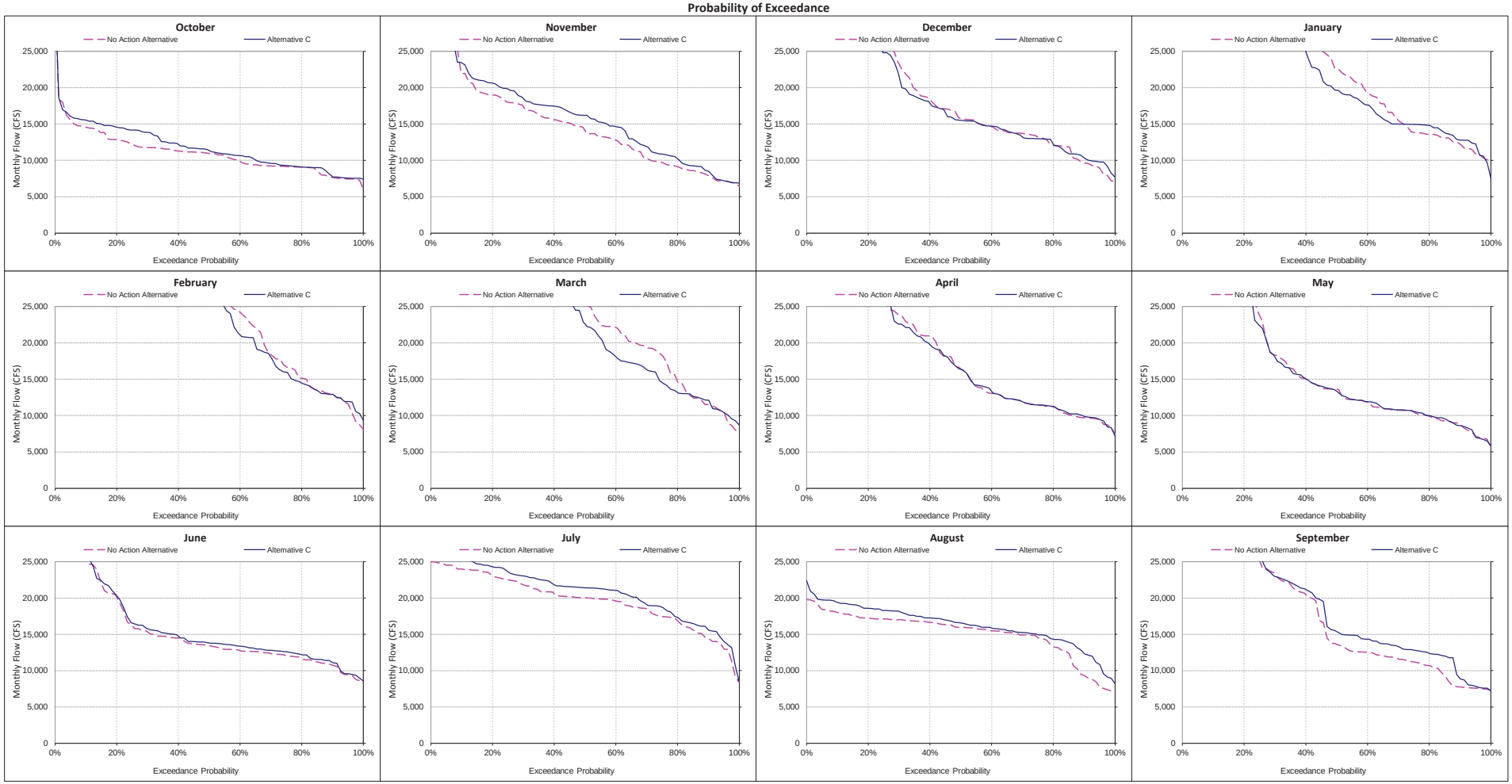

Table SW-17-7b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,173	33,689	516	1.6%
1.2%	18,408	18,621	213	1.2%
2.5%	18,000	16,958	-1,042	-5.8%
3.7%	16,227	16,654	428	2.6%
4.9%	15,586	16,075	489	3.1%
6.2%	14,995	15,818	823	5.5%
7.4%	14,765	15,748	983	6.7%
8.6%	14,742	15,602	859	5.8%
9.9%	14,603	15,574	970	6.6%
11.1%	14,455	15,394	939	6.5%
12.3%	14,410	15,392	982	6.8%
13.6%	14,237	15,070	833	5.8%
14.8%	13,836	15,048	1,212	8.8%
16.0%	13,810	14,791	981	7.1%
17.3%	12,912	14,791	1,878	14.5%
18.5%	12,892	14,774	1,882	14.6%
19.8%	12,887	14,582	1,695	13.2%
21.0%	12,760	14,475	1,716	13.4%
22.2%	12,683	14,455	1,772	14.0%
23.5%	12,516	14,230	1,714	13.7%
24.7%	12,245	14,186	1,941	15.8%
25.9%	12,026	14,162	2,136	17.8%
27.2%	11,856	14,152	2,296	19.4%
28.4%	11,789	13,930	2,141	18.2%
29.6%	11,775	13,855	2,080	17.7%
30.9%	11,772	13,813	2,041	17.3%
32.1%	11,771	13,478	1,708	14.5%
33.3%	11,726	13,340	1,615	13.8%
34.6%	11,640	12,574	934	8.0%
35.8%	11,549	12,553	1,004	8.7%
37.0%	11,538	12,390	853	7.4%
38.3%	11,418	12,385	967	8.5%
39.5%	11,318	12,367	1,049	9.3%
40.7%	11,257	11,964	707	6.3%
42.0%	11,200	11,961	761	6.8%
43.2%	11,169	11,701	532	4.8%
44.4%	11,152	11,699	547	4.9%
45.7%	11,141	11,668	527	4.7%
46.9%	11,138	11,575	437	3.9%
48.1%	11,063	11,573	510	4.6%
49.4%	11,002	11,492	489	4.4%
50.6%	10,936	11,197	261	2.4%
51.9%	10,918	11,088	171	1.6%
53.1%	10,755	11,000	246	2.3%
54.3%	10,748	10,937	189	1.8%
55.6%	10,460	10,889	429	4.1%
56.8%	10,290	10,788	497	4.8%
58.0%	10,109	10,730	620	6.1%
59.3%	10,108	10,668	560	5.5%
60.5%	9,696	10,660	964	9.9%
61.7%	9,531	10,511	980	10.3%
63.0%	9,482	10,490	1,008	10.6%
64.2%	9,400	10,255	855	9.1%
65.4%	9,396	9,946	550	5.9%
66.7%	9,281	9,766	484	5.2%
67.9%	9,271	9,727	456	4.9%
69.1%	9,239	9,642	404	4.4%
70.4%	9,229	9,562	333	3.6%
71.6%	9,207	9,560	353	3.8%
72.8%	9,182	9,369	186	2.0%
74.1%	9,164	9,313	149	1.6%
75.3%	9,149	9,277	128	1.4%
76.5%	9,123	9,215	92	1.0%
77.8%	9,112	9,171	59	0.6%
79.0%	9,077	9,149	72	0.8%
80.2%	9,066	9,077	11	0.1%
81.5%	9,024	9,041	17	0.2%
82.7%	8,995	9,024	30	0.3%
84.0%	8,973	9,006	33	0.4%
85.2%	8,442	8,995	553	6.6%
86.4%	8,003	8,958	954	11.9%
87.7%	7,942	8,632	690	8.7%
88.9%	7,702	8,120	419	5.4%
90.1%	7,655	7,723	68	0.9%
91.4%	7,535	7,714	179	2.4%
92.6%	7,496	7,649	154	2.0%
93.8%	7,471	7,611	141	1.9%
95.1%	7,439	7,535	96	1.3%
96.3%	7,435	7,530	94	1.3%
97.5%	7,417	7,525	108	1.5%
98.8%	7,254	7,523	269	3.7%
100.0%	5,947	7,439	1,492	25.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,737	54,541	-196	-0.4%
1.2%	48,575	47,713	-862	-1.8%
2.5%	47,715	47,060	-656	-1.4%
3.7%	36,242	33,965	-2,276	-6.3%
4.9%	32,262	33,920	1,657	5.1%
6.2%	26,903	26,375	-528	-2.0%
7.4%	25,756	26,278	522	2.0%
8.6%	25,325	23,514	-1,811	-7.2%
9.9%	21,956	23,444	1,488	6.8%
11.1%	21,954	23,157	1,204	5.5%
12.3%	20,776	21,953	1,177	5.7%
13.6%	20,598	21,292	694	3.4%
14.8%	19,626	21,110	1,484	7.6%
16.0%	19,369	21,023	1,653	8.5%
17.3%	19,239	20,943	1,704	8.9%
18.5%	19,052	20,698	1,646	8.6%
19.8%	18,997	20,646	1,649	8.7%
21.0%	18,984	20,526	1,542	8.1%
22.2%	18,774	20,136	1,362	7.3%
23.5%	18,396	19,938	1,542	8.4%
24.7%	18,035	19,911	1,876	10.4%
25.9%	17,954	19,614	1,660	9.2%
27.2%	17,950	19,562	1,613	9.0%
28.4%	17,754	18,907	1,154	6.5%
29.6%	17,626	18,716	1,090	6.2%
30.9%	16,889	18,142	1,253	7.4%
32.1%	16,881	18,061	1,180	7.0%
33.3%	16,769	17,765	996	5.9%
34.6%	16,441	17,691	1,250	7.6%
35.8%	16,074	17,638	1,564	9.7%
37.0%	15,845	17,546	1,701	10.7%
38.3%	15,815	17,528	1,712	10.8%
39.5%	15,602	17,482	1,881	12.1%
40.7%	15,550	17,425	1,876	12.1%
42.0%	15,404	17,303	1,899	12.3%
43.2%	15,224	17,019	1,795	11.8%
44.4%	15,197	16,761	1,565	10.3%
45.7%	15,052	16,509	1,457	9.7%
46.9%	14,715	16,310	1,595	10.8%
48.1%	14,682	16,246	1,564	10.7%
49.4%	14,551	16,207	1,656	11.4%
50.6%	13,676	16,199	2,523	18.4%
51.9%	13,674	15,753	2,079	15.2%
53.1%	13,669	15,664	1,995	14.6%
54.3%	13,255	15,291	2,036	15.4%
55.6%	13,247	15,234	1,987	15.0%
56.8%	13,201	15,075	1,875	14.2%
58.0%	13,050	14,742	1,692	13.0%
59.3%	12,886	14,712	1,826	14.2%
60.5%	12,707	14,600	1,893	14.9%
61.7%	12,187	14,521	2,334	19.1%
63.0%	12,171	14,053	1,882	15.5%
64.2%	12,062	12,998	936	7.8%
65.4%	11,505	12,965	1,459	12.7%
66.7%	11,222	12,612	1,390	12.4%
67.9%	11,186	12,214	1,028	9.2%
69.1%	10,272	12,055	1,783	17.4%
70.4%	10,200	11,818	1,618	15.9%
71.6%	9,958	11,186	1,228	12.3%
72.8%	9,863	11,024	1,161	11.8%
74.1%	9,763	10,888	1,125	11.5%
75.3%	9,683	10,843	1,161	12.0%
76.5%	9,385	10,741	1,356	14.5%
77.8%	9,339	10,604	1,265	13.5%
79.0%	9,252	10,526	1,274	13.8%
80.2%	9,101	10,145	1,045	11.5%
81.5%	8,849	9,612	763	8.6%
82.7%	8,761	9,420	660	7.5%
84.0%	8,625	9,294	669	7.8%
85.2%	8,582	9,253	671	7.8%
86.4%	8,476	9,192	715	8.4%
87.7%	8,322	9,138	815	9.8%
88.9%	8,130	8,663	533	6.6%
90.1%	7,873	8,478	605	7.7%
91.4%	7,613	7,911	298	3.9%
92.6%	7,222	7,390	169	2.3%
93.8%	7,180	7,318	137	1.9%
95.1%	7,147	7,194	47	0.7%
96.3%	7,126	7,092	-34	-0.5%
97.5%	6,929	6,949	21	0.3%
98.8%	6,888	6,929	41	0.6%
100.0%	6,442	6,888	446	6.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,389	76,401	12	0.0%
1.2%	75,019	74,339	-680	-0.9%
2.5%	68,488	67,005	-1,483	-2.2%
3.7%	59,787	59,551	-236	-0.4%
4.9%	58,754	58,012	-742	-1.3%
6.2%	57,801	57,823	23	0.0%
7.4%	50,442	50,025	-417	-0.8%
8.6%	50,083	49,862	-220	-0.4%
9.9%	49,647	48,691	-956	-1.9%
11.1%	48,048	45,249	-2,799	-5.8%
12.3%	44,685	44,561	-124	-0.3%
13.6%	43,096	39,020	-4,076	-9.5%
14.8%	40,888	38,576	-2,312	-5.7%
16.0%	36,649	37,935	1,287	3.5%
17.3%	35,052	37,371	2,319	6.6%
18.5%	34,993	35,134	141	0.4%
19.8%	34,964	34,023	-941	-2.7%
21.0%	33,588	30,764	-2,824	-8.4%
22.2%	33,238	30,056	-3,182	-9.6%
23.5%	28,695	26,651	-2,044	-7.1%
24.7%	27,977	24,827	-3,150	-11.3%
25.9%	26,253	24,819	-1,435	-5.5%
27.2%	25,446	24,449	-997	-3.9%
28.4%	24,999	23,565	-1,434	-5.7%
29.6%	23,549	22,136	-1,413	-6.0%
30.9%	22,583	19,982	-2,601	-11.5%
32.1%	21,928	19,811	-2,117	-9.7%
33.3%	21,356	19,081	-2,275	-10.7%
34.6%	20,069	18,931	-1,139	-5.7%
35.8%	19,577	18,643	-933	-4.8%
37.0%	18,886	18,429	-457	-2.4%
38.3%	18,768	18,234	-534	-2.8%
39.5%	18,634	18,121	-513	-2.8%
40.7%	18,050	17,445	-605	-3.4%
42.0%	17,481	17,318	-163	-0.9%
43.2%	17,257	17,141	-116	-0.7%
44.4%	17,098	17,004	-93	-0.5%
45.7%	17,053	16,027	-1,026	-6.0%
46.9%	16,897	15,963	-934	-5.5%
48.1%	16,744	15,587	-1,158	-6.9%
49.4%	15,855	15,539	-316	-2.0%
50.6%	15,692	15,512	-180	-1.1%
51.9%	15,643	15,436	-207	-1.3%
53.1%	15,616	15,422	-194	-1.2%
54.3%	15,576	15,399	-178	-1.1%
55.6%	15,101	15,120	19	0.1%
56.8%	14,987	14,873	-115	-0.8%
58.0%	14,775	14,776	1	0.0%
59.3%	14,771	14,745	-26	-0.2%
60.5%	14,567	14,701	134	0.9%
61.7%	14,165	14,630	465	3.3%
63.0%	14,127	14,308	181	1.3%
64.2%	14,019	14,212	193	1.4%
65.4%	13,834	13,947	113	0.8%
66.7%	13,778	13,835	57	0.4%
67.9%	13,764	13,679	-85	-0.6%
69.1%	13,761	13,516	-245	-1.8%
70.4%	13,669	13,085	-584	-4.3%
71.6%	13,640	13,030	-610	-4.5%
72.8%	13,490	13,012	-477	-3.5%
74.1%	13,435	12,985	-450	-3.4%
75.3%	13,125	12,968	-156	-1.2%
76.5%	13,056	12,942	-114	-0.9%
77.8%	12,887	12,926	39	0.3%
79.0%	12,187	12,914	727	6.0%
80.2%	12,091	12,033	-58	-0.5%
81.5%	12,022	11,973	-49	-0.4%
82.7%	11,961	11,659	-302	-2.5%
84.0%	11,869	11,153	-715	-6.0%
85.2%	11,858	10,893	-965	-8.1%
86.4%	10,333	10,887	554	5.4%
87.7%	10,192	10,865	673	6.6%
88.9%	9,843	10,732	889	9.0%
90.1%	9,621	10,307	686	7.1%
91.4%	9,579	10,026	447	4.7%
92.6%	9,289	9,923	634	6.8%
93.8%	9,264	9,883	619	6.7%
95.1%	8,882	9,776	893	10.1%
96.3%	8,022	9,769	1,746	21.8%
97.5%	7,909	9,165	1,256	15.9%
98.8%	7,206	8,226	1,020	14.2%
100.0%	7,056	7,723	668	9.5%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,032	78,154	122	0.2%
1.2%	76,980	76,959	-22	0.0%
2.5%	75,120	74,500	-620	-0.8%
3.7%	72,485	72,488	2	0.0%
4.9%	70,918	70,391	-527	-0.7%
6.2%	68,682	66,532	-2,151	-3.1%
7.4%	65,369	64,487	-881	-1.3%
8.6%	63,337	63,162	-174	-0.3%
9.9%	62,358	62,726	367	0.6%
11.1%	62,111	61,544	-567	-0.9%
12.3%	59,071	57,310	-1,761	-3.0%
13.6%	58,883	57,001	-1,881	-3.2%
14.8%	58,606	56,710	-1,896	-3.2%
16.0%	58,555	56,522	-2,033	-3.5%
17.3%	57,434	56,179	-1,255	-2.2%
18.5%	56,890	55,936	-954	-1.7%
19.8%	55,475	53,864	-1,611	-2.9%
21.0%	55,336	52,252	-3,084	-5.6%
22.2%	48,320	47,306	-1,014	-2.1%
23.5%	47,301	46,763	-538	-1.1%
24.7%	46,762	45,906	-856	-1.8%
25.9%	46,322	43,172	-3,150	-6.8%
27.2%	45,288	42,322	-2,966	-6.5%
28.4%	42,879	40,863	-2,016	-4.7%
29.6%	42,639	38,636	-4,002	-9.4%
30.9%	38,630	37,293	-1,337	-3.5%
32.1%	38,259	35,330	-2,929	-7.7%
33.3%	36,857	34,672	-2,185	-5.9%
34.6%	36,738	33,985	-2,753	-7.5%
35.8%	31,543	30,191	-1,352	-4.3%
37.0%	30,792	29,559	-1,233	-4.0%
38.3%	27,650	26,099	-1,551	-5.6%
39.5%	26,809	25,628	-1,181	-4.4%
40.7%	26,767	24,073	-2,694	-10.1%
42.0%	26,687	22,792	-3,895	-14.6%
43.2%	25,572	22,708	-2,863	-11.2%
44.4%	25,473	22,405	-3,068	-12.0%
45.7%	24,903	20,814	-4,088	-16.4%
46.9%	24,545	20,344	-4,201	-17.1%
48.1%	24,044	20,253	-3,791	-15.8%
49.4%	22,653	19,690	-2,962	-13.1%
50.6%	22,532	19,599	-2,932	-13.0%
51.9%	21,971	19,167	-2,803	-12.8%
53.1%	21,683	19,026	-2,657	-12.3%
54.3%	21,491	19,013	-2,479	-11.5%
55.6%	20,936	18,660	-2,276	-10.9%
56.8%	20,559	18,501	-2,058	-10.0%
58.0%	20,529	18,052	-2,477	-12.1%
59.3%	19,623	17,669	-1,953	-10.0%
60.5%	19,118	17,608	-1,510	-7.9%
61.7%	18,833	17,038	-1,795	-9.5%
63.0%	18,683	16,367	-2,316	-12.4%
64.2%	17,841	16,009	-1,833	-10.3%
65.4%	17,771	15,587	-2,185	-12.3%
66.7%	16,596	15,369	-1,228	-7.4%
67.9%	16,596	15,020	-1,576	-9.5%
69.1%	15,892	15,011	-882	-5.5%
70.4%	15,369	14,997	-372	-2.4%
71.6%	15,026	14,975	-51	-0.3%
72.8%	14,694	14,969	275	1.9%
74.1%	13,951	14,968	1,017	7.3%
75.3%	13,831	14,933	1,102	8.0%
76.5%	13,793	14,908	1,116	8.1%
77.8%	13,760	14,898	1,138	8.3%
79.0%	13,618	14,855	1,238	9.1%
80.2%	13,585	14,805	1,220	9.0%
81.5%	13,577	14,500	922	6.8%
82.7%	13,426	14,493	1,067	7.9%
84.0%	13,173	14,100	927	7.0%
85.2%	13,123	13,767	644	4.9%
86.4%	13,059	13,609	550	4.2%
87.7%	12,553	13,429	876	7.0%
88.9%	12,528	12,880	352	2.8%
90.1%	12,229	12,790	561	4.6%
91.4%	11,690	12,776	1,086	9.3%
92.6%	11,657	12,775	1,119	9.6%
93.8%	11,534	12,402	869	7.5%
95.1%	10,892	12,250	1,358	12.5%
96.3%	10,810	10,718	-92	-0.8%
97.5%	10,351	10,586	235	2.3%
98.8%	10,074	9,652	-422	-4.2%
100.0%	9,911	7,474	-2,437	-24.6%

Table SW-17-7b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,791	-3	0.0%
1.2%	74,223	74,635	412	0.6%
2.5%	73,784	74,223	439	0.6%
3.7%	72,104	71,891	-213	-0.3%
4.9%	70,602	70,172	-431	-0.6%
6.2%	69,733	69,595	-138	-0.2%
7.4%	69,197	68,716	-480	-0.7%
8.6%	68,692	68,697	4	0.0%
9.9%	67,996	67,389	-606	-0.9%
11.1%	67,424	66,715	-709	-1.1%
12.3%	66,900	66,480	-420	-0.6%
13.6%	65,473	64,440	-1,033	-1.6%
14.8%	64,556	64,297	-259	-0.4%
16.0%	62,484	62,498	15	0.0%
17.3%	61,933	61,509	-424	-0.7%
18.5%	61,706	60,802	-904	-1.5%
19.8%	60,800	60,699	-101	-0.2%
21.0%	59,574	60,638	1,064	1.8%
22.2%	59,070	58,125	-945	-1.6%
23.5%	58,982	57,792	-1,190	-2.0%
24.7%	56,851	57,620	769	1.4%
25.9%	51,946	52,480	534	1.0%
27.2%	51,910	51,421	-489	-0.9%
28.4%	50,675	48,824	-1,851	-3.7%
29.6%	48,909	46,707	-2,202	-4.5%
30.9%	48,464	46,611	-1,853	-3.8%
32.1%	48,124	45,352	-2,773	-5.8%
33.3%	47,880	45,233	-2,647	-5.5%
34.6%	47,858	44,431	-3,427	-7.2%
35.8%	46,829	43,562	-3,267	-7.0%
37.0%	45,171	43,374	-1,798	-4.0%
38.3%	43,580	42,769	-811	-1.9%
39.5%	43,526	42,274	-1,251	-2.9%
40.7%	42,193	41,581	-612	-1.5%
42.0%	41,922	39,765	-2,158	-5.1%
43.2%	39,365	39,373	8	0.0%
44.4%	36,163	34,229	-1,935	-5.3%
45.7%	34,709	31,971	-2,737	-7.9%
46.9%	34,242	31,667	-2,575	-7.5%
48.1%	33,712	30,799	-2,913	-8.6%
49.4%	33,702	28,702	-5,000	-14.8%
50.6%	32,704	27,968	-4,736	-14.5%
51.9%	30,031	27,756	-2,275	-7.6%
53.1%	28,936	27,102	-1,834	-6.3%
54.3%	28,515	25,353	-3,162	-11.1%
55.6%	27,064	24,432	-2,632	-9.7%
56.8%	25,135	24,042	-1,093	-4.3%
58.0%	24,624	22,181	-2,443	-9.9%
59.3%	24,497	21,402	-3,095	-12.6%
60.5%	24,022	20,869	-3,153	-13.1%
61.7%	23,538	20,813	-2,725	-11.6%
63.0%	22,872	20,734	-2,138	-9.3%
64.2%	22,338	20,720	-1,619	-7.2%
65.4%	21,944	19,116	-2,828	-12.9%
66.7%	21,406	18,936	-2,471	-11.5%
67.9%	19,641	18,712	-929	-4.7%
69.1%	18,666	18,562	-104	-0.6%
70.4%	18,241	17,762	-479	-2.6%
71.6%	17,802	16,737	-1,065	-6.0%
72.8%	17,801	16,313	-1,489	-8.4%
74.1%	16,997	16,027	-970	-5.7%
75.3%	16,618	15,938	-680	-4.1%
76.5%	16,589	15,086	-1,503	-9.1%
77.8%	16,268	14,851	-1,418	-8.7%
79.0%	15,202	14,688	-513	-3.4%
80.2%	15,094	14,398	-695	-4.6%
81.5%	15,020	14,234	-787	-5.2%
82.7%	13,913	14,041	128	0.9%
84.0%	13,667	13,632	-34	-0.3%
85.2%	13,414	13,400	-13	-0.1%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,929	-98	-0.8%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,472	-49	-0.4%
92.6%	12,434	12,414	-20	-0.2%
93.8%	11,885	11,943	58	0.5%
95.1%	11,569	11,943	374	3.2%
96.3%	10,326	11,872	1,546	15.0%
97.5%	9,176	10,534	1,358	14.8%
98.8%	8,732	10,262	1,530	17.5%
100.0%	8,072	9,326	1,255	15.5%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,370	0	0.0%
1.2%	77,333	77,401	68	0.1%
2.5%	72,349	72,353	3	0.0%
3.7%	70,805	70,190	-616	-0.9%
4.9%	68,249	68,240	-9	0.0%
6.2%	68,107	68,108	1	0.0%
7.4%	67,663	66,790	-873	-1.3%
8.6%	66,230	66,776	546	0.8%
9.9%	61,306	61,308	2	0.0%
11.1%	61,102	60,621	-481	-0.8%
12.3%	60,661	60,444	-217	-0.4%
13.6%	59,092	57,918	-1,173	-2.0%
14.8%	57,412	57,407	-5	0.0%
16.0%	57,384	57,380	-5	0.0%
17.3%	55,039	54,769	-270	-0.5%
18.5%	54,767	52,969	-1,798	-3.3%
19.8%	52,762	52,386	-375	-0.7%
21.0%	48,528	48,396	-133	-0.3%
22.2%	47,733	47,309	-424	-0.9%
23.5%	46,956	46,956	0	0.0%
24.7%	44,697	45,042	345	0.8%
25.9%	44,500	43,350	-1,150	-2.6%
27.2%	43,331	40,567	-2,764	-6.4%
28.4%	43,017	40,499	-2,518	-5.9%
29.6%	41,621	38,302	-3,319	-8.0%
30.9%	41,574	37,613	-3,962	-9.5%
32.1%	40,443	35,074	-5,370	-13.3%
33.3%	37,799	33,996	-3,803	-10.1%
34.6%	36,156	33,598	-2,558	-7.1%
35.8%	34,672	33,488	-1,185	-3.4%
37.0%	34,122	33,370	-752	-2.2%
38.3%	33,963	32,839	-1,124	-3.3%
39.5%	33,632	32,302	-1,329	-4.0%
40.7%	32,449	32,183	-267	-0.8%
42.0%	32,269	30,206	-2,063	-6.4%
43.2%	29,803	27,963	-1,840	-6.2%
44.4%	29,086	26,818	-2,268	-7.8%
45.7%	28,903	25,331	-3,572	-12.4%
46.9%	27,956	24,514	-3,442	-12.3%
48.1%	27,700	24,483	-3,217	-11.6%
49.4%	25,304	22,880	-2,424	-9.6%
50.6%	25,156	22,263	-2,893	-11.5%
51.9%	24,930	22,082	-2,848	-11.4%
53.1%	23,700	21,726	-1,974	-8.3%
54.3%	22,920	20,990	-1,929	-8.4%
55.6%	22,379	20,342	-2,037	-9.1%
56.8%	22,277	19,107	-3,169	-14.2%
58.0%	22,258	18,760	-3,498	-15.7%
59.3%	22,243	18,411	-3,833	-17.2%
60.5%	22,025	17,882	-4,143	-18.8%
61.7%	21,282	17,523	-3,759	-17.7%
63.0%	21,005	17,464	-3,542	-16.9%
64.2%	20,217	17,317	-2,900	-14.3%
65.4%	20,183	17,213	-2,971	-14.7%
66.7%	19,912	17,098	-2,814	-14.1%
67.9%	19,673	16,933	-2,740	-13.9%
69.1%	19,616	16,619	-2,997	-15.3%
70.4%	19,312	16,194	-3,118	-16.1%
71.6%	19,248	16,102	-3,146	-16.3%
72.8%	18,990	15,993	-2,997	-15.8%
74.1%	18,589	14,835	-3,754	-20.2%
75.3%	18,144	14,438	-3,706	-20.4%
76.5%	17,176	14,141	-3,035	-17.7%
77.8%	15,686	13,600	-2,086	-13.3%
79.0%	15,644	13,483	-2,161	-13.8%
80.2%	14,414	13,098	-1,316	-9.1%
81.5%	14,368	13,035	-1,333	-9.3%
82.7%	13,338	13,030	-307	-2.3%
84.0%	12,820	12,987	167	1.3%
85.2%	12,411	12,608	198	1.6%
86.4%	12,376	12,521	144	1.2%
87.7%	12,126	12,356	230	1.9%
88.9%	11,529	12,150	621	5.4%
90.1%	11,503	12,113	610	5.3%
91.4%	11,321	10,966	-355	-3.1%
92.6%	11,050	10,883	-167	-1.5%
93.8%	10,657	10,751	94	0.9%
95.1%	10,545	10,391	-154	-1.5%
96.3%	8,963	10,099	1,136	12.7%
97.5%	8,655	9,572	917	10.6%
98.8%	7,975	9,284	1,309	16.4%
100.0%	7,762	8,705	942	12.1%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	72,120	0	0.0%
1.2%	67,572	67,571	-1	0.0%
2.5%	64,589	64,595	7	0.0%
3.7%	57,018	57,018	0	0.0%
4.9%	56,211	56,214	3	0.0%
6.2%	54,548	54,542	-6	0.0%
7.4%	54,444	53,567	-878	-1.6%
8.6%	53,572	52,772	-800	-1.5%
9.9%	50,443	49,952	-491	-1.0%
11.1%	49,942	47,690	-2,252	-4.5%
12.3%	45,516	45,509	-7	0.0%
13.6%	42,694	41,929	-765	-1.8%
14.8%	42,149	41,012	-1,137	-2.7%
16.0%	41,922	39,811	-2,111	-5.0%
17.3%	40,409	39,262	-1,147	-2.8%
18.5%	39,765	38,853	-912	-2.3%
19.8%	38,864	37,108	-1,755	-4.5%
21.0%	37,739	35,088	-2,651	-7.0%
22.2%	34,677	34,680	3	0.0%
23.5%	34,105	33,184	-921	-2.7%
24.7%	33,091	32,752	-338	-1.0%
25.9%	25,221	25,226	4	0.0%
27.2%	24,551	25,194	644	2.6%
28.4%	24,410	23,010	-1,401	-5.7%
29.6%	23,949	22,601	-1,348	-5.6%
30.9%	23,775	22,555	-1,220	-5.1%
32.1%	22,975	22,121	-854	-3.7%
33.3%	22,600	22,097	-504	-2.2%
34.6%	22,549	21,468	-1,081	-4.8%
35.8%	21,557	20,980	-577	-2.7%
37.0%	21,088	20,814	-274	-1.3%
38.3%	20,971	20,227	-745	-3.6%
39.5%	20,969	19,949	-1,019	-4.9%
40.7%	20,879	19,455	-1,424	-6.8%
42.0%	20,137	19,114	-1,023	-5.1%
43.2%	18,687	19,046	359	1.9%
44.4%	18,189	18,277	88	0.5%
45.7%	18,156	18,059	-96	-0.5%
46.9%	18,074	17,346	-728	-4.0%
48.1%	16,807	16,870	63	0.4%
49.4%	16,657	16,450	-206	-1.2%
50.6%	16,272	16,271	0	0.0%
51.9%	15,863	15,855	-8	-0.1%
53.1%	14,935	15,002	67	0.4%
54.3%	14,162	14,250	88	0.6%
55.6%	13,912	14,164	251	1.8%
56.8%	13,807	14,072	264	1.9%
58.0%	13,252	13,927	674	5.1%
59.3%	13,081	13,768	687	5.3%
60.5%	13,042	13,045	3	0.0%
61.7%	13,023	13,002	-21	-0.2%
63.0%	12,725	12,804	79	0.6%
64.2%	12,369	12,384	15	0.1%
65.4%	12,307	12,337	30	0.2%
66.7%	12,294	12,280	-14	-0.1%
67.9%	12,180	12,187	7	0.1%
69.1%	12,075	12,063	-13	-0.1%
70.4%	11,720	11,842	122	1.0%
71.6%	11,695	11,657	-38	-0.3%
72.8%	11,589	11,526	-62	-0.5%
74.1%	11,530	11,468	-63	-0.5%
75.3%	11,430	11,447	17	0.1%
76.5%	11,397	11,440	43	0.4%
77.8%	11,273	11,382	108	1.0%
79.0%	11,263	11,312	49	0.4%
80.2%	11,216	11,223	7	0.1%
81.5%	10,880	10,882	2	0.0%
82.7%	10,379	10,755	376	3.6%
84.0%	10,306	10,549	243	2.4%
85.2%	10,093	10,261	167	1.7%
86.4%	10,035	10,231	196	2.0%
87.7%	9,830	10,215	386	3.9%
88.9%	9,729	10,085	355	3.7%
90.1%	9,711	9,886	176	1.8%
91.4%	9,684	9,766	82	0.9%
92.6%	9,613	9,728	115	1.2%
93.8%	9,558	9,685	127	1.3%
95.1%	9,441	9,444	3	0.0%
96.3%	8,806	9,250	444	5.0%
97.5%	8,710	8,435	-274	-3.1%
98.8%	8,342	8,343	1	0.0%
100.0%	7,483	7,230	-254	-3.4%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,706	58,610	-96	-0.2%
1.2%	58,348	57,621	-726	-1.2%
2.5%	54,096	54,102	6	0.0%
3.7%	52,730	52,731	1	0.0%
4.9%	48,877	48,505	-372	-0.8%
6.2%	44,816	44,896	80	0.2%
7.4%	43,116	43,114	-2	0.0%
8.6%	42,836	42,730	-106	-0.2%
9.9%	41,799	41,800	0	0.0%
11.1%	40,968	40,912	-56	-0.1%
12.3%	39,077	38,987	-90	-0.2%
13.6%	38,513	38,891	379	1.0%
14.8%	38,298	38,399	101	0.3%
16.0%	31,829	32,823	995	3.1%
17.3%	31,368	31,833	465	1.5%
18.5%	28,381	28,374	-6	0.0%
19.8%	27,984	27,155	-829	-3.0%
21.0%	27,562	26,726	-836	-3.0%
22.2%	26,125	26,722	597	2.3%
23.5%	25,651	23,115	-2,537	-9.9%
24.7%	24,101	22,511	-1,590	-6.6%
25.9%	23,012	21,985	-1,027	-4.5%
27.2%	20,498	20,465	-32	-0.2%
28.4%	18,715	18,747	33	0.2%
29.6%	18,358	18,289	-70	-0.4%
30.9%	18,204	17,444	-760	-4.2%
32.1%	17,848	17,188	-660	-3.7%
33.3%	17,443	16,650	-794	-4.6%
34.6%	16,592	16,594	2	0.0%
35.8%	16,428	15,815	-613	-3.7%
37.0%	15,820	15,664	-156	-1.0%
38.3%	15,222	15,589	367	2.4%
39.5%	15,119	15,186	67	0.4%
40.7%	14,860	14,861	1	0.0%
42.0%	14,490	14,492	2	0.0%
43.2%	14,299	14,266	-32	-0.2%
44.4%	13,953	14,108	156	1.1%
45.7%	13,708	13,956	248	1.8%
46.9%	13,693	13,793	100	0.7%
48.1%	13,672	13,676	3	0.0%
49.4%	13,666	13,559	-107	-0.8%
50.6%	13,559	13,169	-389	-2.9%
51.9%	12,567	12,727	160	1.3%
53.1%	12,298	12,573	275	2.2%
54.3%	12,223	12,299	77	0.6%
55.6%	12,180	12,226	47	0.4%
56.8%	12,113	12,123	9	0.1%
58.0%	12,112	12,113	1	0.0%
59.3%	11,909	11,927	18	0.2%
60.5%	11,834	11,912	78	0.7%
61.7%	11,200	11,836	637	5.7%
63.0%	11,181	11,684	503	4.5%
64.2%	11,043	11,291	248	2.2%
65.4%	10,961	10,925	-36	-0.3%
66.7%	10,921	10,912	-9	-0.1%
67.9%	10,773	10,885	112	1.0%
69.1%	10,759	10,786	27	0.3%
70.4%	10,745	10,782	37	0.3%
71.6%	10,714	10,775	61	0.6%
72.8%	10,711	10,715	5	0.0%
74.1%	10,710	10,664	-47	-0.4%
75.3%	10,385	10,549	164	1.6%
76.5%	10,149	10,387	238	2.3%
77.8%	10,120	10,319	199	2.0%
79.0%	10,080	9,993	-87	-0.9%
80.2%	9,890	9,987	97	1.0%
81.5%	9,586	9,801	215	2.2%
82.7%	9,553	9,709	156	1.6%
84.0%	9,307	9,693	386	4.1%
85.2%	9,245	9,543	297	3.2%
86.4%	9,240	9,230	-10	-0.1%
87.7%	9,014	9,016	2	0.0%
88.9%	9,013	8,670	-343	-3.8%
90.1%	8,769	8,621	-148	-1.7%
91.4%	8,279	8,476	198	2.4%
92.6%	7,958	8,271	313	3.9%
93.8%	7,740	8,041	301	3.9%
95.1%	7,141	6,986	-155	-2.2%
96.3%	6,990	6,891	-99	-1.4%
97.5%	6,877	6,715	-161	-2.3%
98.8%	6,769	6,494	-275	-4.1%
100.0%	5,558	5,798	240	4.3%

Table SW-17-7b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,113	-94	-0.2%
1.2%	51,132	51,146	14	0.0%
2.5%	37,909	38,876	967	2.6%
3.7%	37,649	38,865	1,217	3.2%
4.9%	35,934	38,348	2,414	6.7%
6.2%	35,171	35,640	469	1.3%
7.4%	34,371	34,846	474	1.4%
8.6%	29,602	30,669	1,067	3.6%
9.9%	26,081	25,914	-168	-0.6%
11.1%	24,659	25,414	756	3.1%
12.3%	24,585	24,393	-192	-0.8%
13.6%	23,898	22,691	-1,206	-5.0%
14.8%	22,222	22,472	250	1.1%
16.0%	20,986	21,932	946	4.5%
17.3%	20,680	21,736	1,056	5.1%
18.5%	20,624	21,033	409	2.0%
19.8%	20,400	20,441	41	0.2%
21.0%	19,312	19,807	496	2.6%
22.2%	18,254	18,727	474	2.6%
23.5%	16,703	17,435	732	4.4%
24.7%	16,310	16,617	307	1.9%
25.9%	15,792	16,433	641	4.1%
27.2%	15,770	16,265	495	3.1%
28.4%	15,523	16,244	721	4.6%
29.6%	15,463	15,819	356	2.3%
30.9%	15,042	15,627	585	3.9%
32.1%	14,987	15,548	561	3.7%
33.3%	14,740	15,480	740	5.0%
34.6%	14,739	15,226	487	3.3%
35.8%	14,701	15,180	479	3.3%
37.0%	14,561	15,062	501	3.4%
38.3%	14,525	15,022	498	3.4%
39.5%	14,511	14,934	423	2.9%
40.7%	14,501	14,505	3	0.0%
42.0%	14,037	14,468	431	3.1%
43.2%	13,763	14,031	268	1.9%
44.4%	13,721	14,011	290	2.1%
45.7%	13,653	13,985	333	2.4%
46.9%	13,603	13,957	354	2.6%
48.1%	13,570	13,943	372	2.7%
49.4%	13,511	13,836	325	2.4%
50.6%	13,367	13,773	406	3.0%
51.9%	13,274	13,758	484	3.6%
53.1%	13,172	13,722	551	4.2%
54.3%	12,958	13,658	700	5.4%
55.6%	12,932	13,590	658	5.1%
56.8%	12,913	13,555	642	5.0%
58.0%	12,905	13,494	590	4.6%
59.3%	12,848	13,392	544	4.2%
60.5%	12,695	13,355	660	5.2%
61.7%	12,692	13,290	598	4.7%
63.0%	12,643	13,159	516	4.1%
64.2%	12,631	13,119	488	3.9%
65.4%	12,621	12,980	359	2.8%
66.7%	12,528	12,968	441	3.5%
67.9%	12,456	12,859	403	3.2%
69.1%	12,449	12,795	347	2.8%
70.4%	12,281	12,777	495	4.0%
71.6%	12,277	12,722	446	3.6%
72.8%	12,218	12,674	456	3.7%
74.1%	12,184	12,654	470	3.9%
75.3%	11,997	12,552	555	4.6%
76.5%	11,993	12,512	519	4.3%
77.8%	11,921	12,358	437	3.7%
79.0%	11,872	12,288	416	3.5%
80.2%	11,538	12,169	631	5.5%
81.5%	11,491	12,160	669	5.8%
82.7%	11,478	11,696	218	1.9%
84.0%	11,262	11,562	300	2.7%
85.2%	11,167	11,544	377	3.4%
86.4%	11,035	11,539	504	4.6%
87.7%	10,992	11,409	417	3.8%
88.9%	10,893	11,382	489	4.5%
90.1%	10,713	11,076	363	3.4%
91.4%	10,594	10,999	405	3.8%
92.6%	9,740	9,954	214	2.2%
93.8%	9,457	9,566	109	1.1%
95.1%	9,447	9,562	114	1.2%
96.3%	9,365	9,459	94	1.0%
97.5%	8,752	9,371	619	7.1%
98.8%	8,623	8,957	334	3.9%
100.0%	8,561	8,564	3	0.0%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,971	26,459	1,489	6.0%
1.2%	24,965	26,438	1,472	5.9%
2.5%	24,847	26,351	1,504	6.1%
3.7%	24,793	26,268	1,475	5.9%
4.9%	24,526	26,124	1,599	6.5%
6.2%	24,526	26,038	1,512	6.2%
7.4%	24,489	26,013	1,524	6.2%
8.6%	24,000	25,633	1,633	6.8%
9.9%	23,989	25,580	1,591	6.6%
11.1%	23,926	25,504	1,578	6.6%
12.3%	23,917	25,221	1,304	5.5%
13.6%	23,821	25,031	1,210	5.1%
14.8%	23,814	24,693	878	3.7%
16.0%	23,788	24,659	871	3.7%
17.3%	23,565	24,529	964	4.1%
18.5%	23,549	24,489	940	4.0%
19.8%	23,175	24,325	1,150	5.0%
21.0%	22,875	24,221	1,346	5.9%
22.2%	22,792	24,205	1,413	6.2%
23.5%	22,625	24,129	1,503	6.6%
24.7%	22,577	23,741	1,164	5.2%
25.9%	22,427	23,391	965	4.3%
27.2%	22,363	23,229	866	3.9%
28.4%	22,240	23,142	902	4.1%
29.6%	21,879	23,050	1,171	5.4%
30.9%	21,688	22,988	1,300	6.0%
32.1%	21,639	22,805	1,166	5.4%
33.3%	21,302	22,797	1,495	7.0%
34.6%	21,218	22,620	1,403	6.6%
35.8%	20,866	22,511	1,645	7.9%
37.0%	20,853	22,423	1,571	7.5%
38.3%	20,849	22,331	1,482	7.1%
39.5%	20,831	21,940	1,110	5.3%
40.7%	20,330	21,655	1,325	6.5%
42.0%	20,262	21,651	1,389	6.9%
43.2%	20,211	21,596	1,385	6.9%
44.4%	20,202	21,548	1,346	6.7%
45.7%	20,184	21,544	1,360	6.7%
46.9%	20,094	21,485	1,392	6.9%
48.1%	20,048	21,443	1,395	7.0%
49.4%	20,042	21,429	1,387	6.9%
50.6%	20,000	21,381	1,381	6.9%
51.9%	19,988	21,372	1,384	6.9%
53.1%	19,910	21,343	1,433	7.2%
54.3%	19,883	21,303	1,420	7.1%
55.6%	19,840	21,278	1,438	7.2%
56.8%	19,829	21,161	1,332	6.7%
58.0%	19,802	21,098	1,296	6.5%
59.3%	19,675	21,067	1,392	7.1%
60.5%	19,532	21,034	1,502	7.7%
61.7%	19,505	20,700	1,196	6.1%
63.0%	19,016	20,599	1,583	8.3%
64.2%	18,935	20,329	1,394	7.4%
65.4%	18,760	20,113	1,353	7.2%
66.7%	18,756	20,111	1,355	7.2%
67.9%	18,614	19,647	1,033	5.5%
69.1%	18,568	19,363	795	4.3%
70.4%	18,506	18,965	459	2.5%
71.6%	17,888	18,942	1,054	5.9%
72.8%	17,675	18,941	1,267	7.2%
74.1%	17,466	18,889	1,423	8.1%
75.3%	17,435	18,654	1,218	7.0%
76.5%	17,388	18,229	841	4.8%
77.8%	17,318	18,085	768	4.4%
79.0%	17,272	17,512	241	1.4%
80.2%	16,726	17,272	546	3.3%
81.5%	16,293	16,820	526	3.2%
82.7%	16,020	16,694	673	4.2%
84.0%	15,894	16,614	721	4.5%
85.2%	15,559	16,476	916	5.9%
86.4%	15,159	16,248	1,089	7.2%
87.7%	15,132	16,119	987	6.5%
88.9%	14,620	16,098	1,479	10.1%
90.1%	14,379	15,547	1,167	8.1%
91.4%	14,009	15,443	1,434	10.2%
92.6%	13,996	15,383	1,386	9.9%
93.8%	13,802	14,594	792	5.7%
95.1%	12,956	14,009	1,053	8.1%
96.3%	12,925	13,545	621	4.8%
97.5%	11,270	13,162	1,892	16.8%
98.8%	9,091	10,599	1,508	16.6%
100.0%	8,382	8,415	33	0.4%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,779	22,427	2,648	13.4%
1.2%	19,723	20,951	1,228	6.2%
2.5%	19,566	20,562	996	5.1%
3.7%	19,045	19,820	775	4.1%
4.9%	18,442	19,750	1,308	7.1%
6.2%	18,371	19,703	1,332	7.3%
7.4%	18,220	19,696	1,476	8.1%
8.6%	18,176	19,647	1,470	8.1%
9.9%	18,042	19,410	1,368	7.6%
11.1%	17,952	19,259	1,307	7.3%
12.3%	17,779	19,242	1,463	8.2%
13.6%	17,769	19,151	1,382	7.8%
14.8%	17,560	19,088	1,528	8.7%
16.0%	17,489	19,059	1,571	9.0%
17.3%	17,306	18,856	1,550	9.0%
18.5%	17,265	18,600	1,336	7.7%
19.8%	17,220	18,597	1,376	8.0%
21.0%	17,204	18,564	1,359	7.9%
22.2%	17,128	18,498	1,370	8.0%
23.5%	17,111	18,493	1,382	8.1%
24.7%	17,108	18,282	1,174	6.9%
25.9%	17,106	18,261	1,155	6.8%
27.2%	17,061	18,247	1,186	6.9%
28.4%	17,008	18,206	1,198	7.0%
29.6%	17,004	18,204	1,200	7.1%
30.9%	16,996	18,002	1,005	5.9%
32.1%	16,913	17,819	907	5.4%
33.3%	16,866	17,617	751	4.5%
34.6%	16,848	17,608	760	4.5%
35.8%	16,813	17,474	661	3.9%
37.0%	16,774	17,471	697	4.2%
38.3%	16,757	17,282	525	3.1%
39.5%	16,678	17,273	594	3.6%
40.7%	16,638	17,235	598	3.6%
42.0%	16,595	17,183	588	3.5%
43.2%	16,415	17,158	743	4.5%
44.4%	16,338	17,007	670	4.1%
45.7%	16,313	16,912	598	3.7%
46.9%	16,264	16,822	558	3.4%
48.1%	16,017	16,651	635	4.0%
49.4%	15,971	16,585	613	3.8%
50.6%	15,958	16,525	567	3.6%
51.9%	15,933	16,387	453	2.8%
53.1%	15,897	16,262	366	2.3%
54.3%	15,893	16,244	351	2.2%
55.6%	15,754	16,149	395	2.5%
56.8%	15,683	15,986	302	1.9%
58.0%	15,681	15,967	286	1.8%
59.3%	15,499	15,960	460	3.0%
60.5%	15,481	15,780	300	1.9%
61.7%	15,455	15,755	300	1.9%
63.0%	15,450	15,677	228	1.5%
64.2%	15,275	15,671	396	2.6%
65.4%	15,227	15,498	272	1.8%
66.7%	15,220	15,482	262	1.7%
67.9%	15,132	15,297	165	1.1%
69.1%	14,933	15,274	341	2.3%
70.4%	14,920	15,246	325	2.2%
71.6%	14,900	15,220	321	2.2%
72.8%	14,865	15,107	242	1.6%
74.1%	14,841	15,069	228	1.5%
75.3%	14,441	14,935	494	3.4%
76.5%	14,391	14,916	525	3.6%
77.8%	14,235	14,816	581	4.1%
79.0%	13,587	14,446	859	6.3%
80.2%	13,252	14,301	1,049	7.9%
81.5%	13,166	14,300	1,134	8.6%
82.7%	12,821	14,230	1,409	11.0%
84.0%	12,709	14,037	1,328	10.4%
85.2%	12,291	13,884	1,593	13.0%
86.4%	10,699	13,716	3,017	28.2%
87.7%	10,276	13,183	2,907	28.3%
88.9%	9,514	12,856	3,342	35.1%
90.1%	9,275	12,302	3,026	32.6%
91.4%	8,942	12,114	3,172	35.5%
92.6%	8,813	11,999	3,187	36.2%
93.8%	8,467	11,142	2,675	31.6%
95.1%	7,696	10,854	3,158	41.0%
96.3%	7,546	9,530	1,984	26.3%
97.5%	7,380	9,115	1,735	23.5%
98.8%	7,201	8,936	1,735	24.1%
100.0%	7,157	8,234	1,076	15.0%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,373	31,375	2	0.0%
1.2%	30,434	31,040	606	2.0%
2.5%	30,321	30,636	315	1.0%
3.7%	30,116	30,362	246	0.8%
4.9%	30,019	30,229	210	0.7%
6.2%	29,810	30,187	377	1.3%
7.4%	29,770	30,020	251	0.8%
8.6%	29,476	29,957	481	1.6%
9.9%	29,436	29,878	441	1.5%
11.1%	29,392	29,828	435	1.5%
12.3%	29,273	29,548	276	0.9%
13.6%	29,249	29,536	287	1.0%
14.8%	29,063	29,490	428	1.5%
16.0%	28,883	29,414	531	1.8%
17.3%	28,265	29,393	1,128	4.0%
18.5%	27,830	29,336	1,506	5.4%
19.8%	27,046	29,241	2,195	8.1%
21.0%	26,223	28,950	2,727	10.4%
22.2%	26,199	28,813	2,614	10.0%
23.5%	26,170	28,652	2,483	9.5%
24.7%	25,656	28,365	2,709	10.6%
25.9%	24,169	25,106	938	3.9%
27.2%	24,103	23,941	-162	-0.7%
28.4%	23,702	23,572	-131	-0.6%
29.6%	23,484	23,024	-461	-2.0%
30.9%	22,818	22,849	31	0.1%
32.1%	22,405	22,675	270	1.2%
33.3%	22,226	22,452	226	1.0%
34.6%	22,129	22,248	119	0.5%
35.8%	21,405	21,985	581	2.7%
37.0%	21,019	21,685	666	3.2%
38.3%	20,836	21,403	567	2.7%
39.5%	20,697	21,292	595	2.9%
40.7%	20,134	21,018	885	4.4%
42.0%	19,988	20,720	732	3.7%
43.2%	19,640	20,030	389	2.0%
44.4%	16,875	19,820	2,945	17.5%
45.7%	16,599	19,523	2,924	17.6%
46.9%	14,453	16,073	1,620	11.2%
48.1%	13,809	15,669	1,860	13.5%
49.4%	13,720	15,500	1,781	13.0%
50.6%	13,529	15,240	1,712	12.7%
51.9%	13,364	14,949	1,585	11.9%
53.1%	13,040	14,923	1,883	14.4%
54.3%	12,725	14,904	2,178	17.1%
55.6%	12,594	14,900	2,306	18.3%
56.8%	12,571	14,815	2,244	17.8%
58.0%	12,566	14,407	1,840	14.6%
59.3%	12,525	14,328	1,802	14.4%
60.5%	12,495	14,319	1,823	14.6%
61.7%	12,443	14,101	1,658	13.3%
63.0%	12,162	14,068	1,905	15.7%
64.2%	12,123	13,733	1,610	13.3%
65.4%	12,024	13,707	1,682	14.0%
66.7%	11,888	13,664	1,776	14.9%
67.9%	11,884	13,506	1,622	13.6%
69.1%	11,733	13,444	1,711	14.6%
70.4%	11,572	13,249	1,677	14.5%
71.6%	11,541	12,975	1,434	12.4%
72.8%	11,403	12,895	1,492	13.1%
74.1%	11,255	12,888	1,633	14.5%
75.3%	11,170	12,802	1,632	14.6%
76.5%	11,086	12,732	1,647	14.9%
77.8%	10,874	12,613	1,739	16.0%
79.0%	10,741	12,546	1,805	16.8%
80.2%	10,704	12,350	1,646	15.4%
81.5%	10,365	12,255	1,890	18.2%
82.7%	10,334	12,237	1,903	18.4%
84.0%	9,750	12,105	2,354	24.1%
85.2%	9,208	11,999	2,791	30.3%
86.4%	8,470	11,789	3,319	39.2%
87.7%	7,901	11,778	3,878	49.1%
88.9%	7,794	9,451	1,657	21.3%
90.1%	7,769	8,862	1,093	14.1%
91.4%	7,674	8,689	1,016	13.2%
92.6%	7,656	8,059	403	5.3%
93.8%	7,627	7,988	362	4.7%
95.1%	7,581	7,818	237	3.1%
96.3%	7,579	7,645	66	0.9%
97.5%	7,474	7,579	105	1.4%
98.8%	7,443	7,578	135	1.8%
100.0%	7,279	7,202	-77	-1.1%

Table SW-18-7a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,767	1,826	1,968	2,170	2,381	2,591	2,864	3,002	2,885	2,399	2,098	1,831
Alternative C	1,788	1,849	2,010	2,213	2,414	2,620	2,896	3,038	2,912	2,427	2,124	1,838
Difference	21	23	42	43	33	29	32	36	28	28	25	7
Percent Difference[3]	1.2%	1.2%	2.1%	2.0%	1.4%	1.1%	1.1%	1.2%	1.0%	1.2%	1.2%	0.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,377	2,423	2,485	2,679	2,860	2,945	3,304	3,508	3,483	3,125	2,927	2,473
Alternative C	2,378	2,430	2,527	2,689	2,860	2,945	3,304	3,508	3,470	3,111	2,915	2,454
Difference	1	7	43	10	0	0	0	0	-13	-13	-12	-19
Percent Difference	0.0%	0.3%	1.7%	0.4%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.4%	-0.8%
Above Normal (15%)												
No Action Alternative	1,965	2,024	2,128	2,296	2,610	2,930	3,292	3,498	3,393	2,821	2,434	2,039
Alternative C	1,960	2,019	2,167	2,338	2,634	2,935	3,297	3,498	3,365	2,794	2,432	2,020
Difference	-5	-5	38	42	25	6	6	0	-28	-27	-2	-19
Percent Difference	-0.3%	-0.2%	1.8%	1.8%	0.9%	0.2%	0.2%	0.0%	-0.8%	-1.0%	-0.1%	-0.9%
Below Normal (17%)												
No Action Alternative	1,867	1,939	2,150	2,078	2,334	2,593	2,969	3,191	3,082	2,490	2,081	1,911
Alternative C	1,904	1,978	2,159	2,158	2,380	2,634	3,013	3,236	3,102	2,513	2,124	1,936
Difference	38	39	9	80	46	41	44	45	20	22	43	25
Percent Difference	2.0%	2.0%	0.4%	3.9%	2.0%	1.6%	1.5%	1.4%	0.7%	0.9%	2.1%	1.3%
Dry (22%)												
No Action Alternative	1,242	1,331	1,579	1,842	2,069	2,386	2,578	2,621	2,403	1,827	1,422	1,297
Alternative C	1,278	1,362	1,637	1,888	2,115	2,440	2,637	2,700	2,495	1,922	1,475	1,303
Difference	36	31	58	45	46	54	60	79	92	95	53	7
Percent Difference	2.9%	2.3%	3.7%	2.5%	2.2%	2.3%	2.3%	3.0%	3.8%	5.2%	3.7%	0.5%
Critical (15%)												
No Action Alternative	921	947	1,060	1,542	1,636	1,792	1,790	1,760	1,573	1,154	1,000	941
Alternative C	971	999	1,115	1,609	1,713	1,854	1,864	1,837	1,655	1,236	1,073	1,010
Difference	50	52	55	67	78	62	74	77	82	81	73	69
Percent Difference	5.4%	5.5%	5.2%	4.3%	4.8%	3.5%	4.1%	4.4%	5.2%	7.1%	7.3%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-18-7b
Lake Oroville, End of Month Storage
Probability of Exceedance

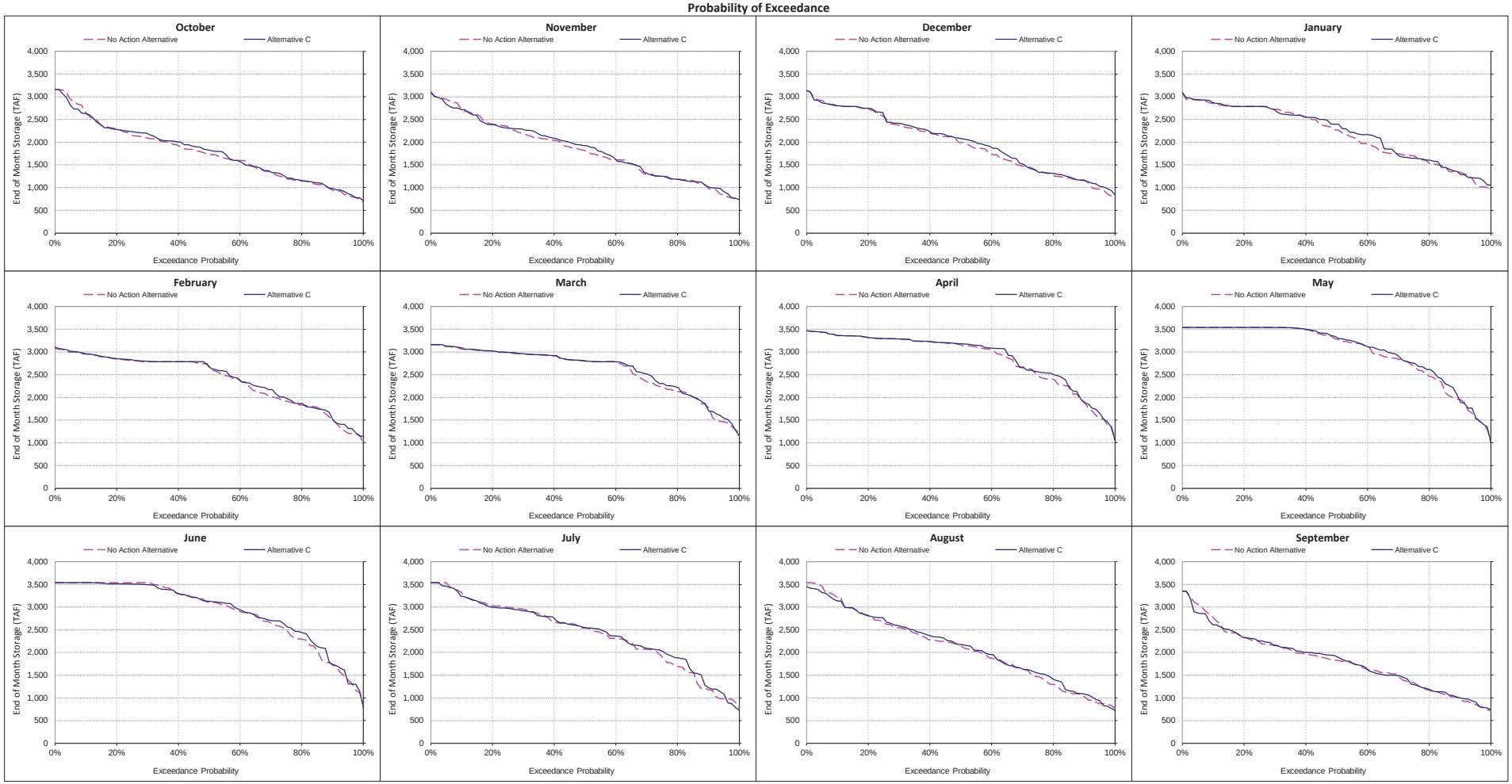

Table SW-18-7b
Lake Oroville, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,149	3,073	-76	-2.4%
3.7%	3,104	2,987	-117	-3.8%
4.9%	2,951	2,820	-131	-4.4%
6.2%	2,888	2,732	-156	-5.4%
7.4%	2,836	2,731	-104	-3.7%
8.6%	2,813	2,641	-173	-6.1%
9.9%	2,658	2,631	-27	-1.0%
11.1%	2,571	2,607	36	1.4%
12.3%	2,516	2,536	20	0.8%
13.6%	2,487	2,442	-44	-1.8%
14.8%	2,382	2,382	0	0.0%
16.0%	2,342	2,318	-24	-1.0%
17.3%	2,327	2,315	-11	-0.5%
18.5%	2,311	2,297	-14	-0.6%
19.8%	2,294	2,285	-9	-0.4%
21.0%	2,275	2,265	-10	-0.5%
22.2%	2,230	2,258	28	1.2%
23.5%	2,217	2,249	32	1.4%
24.7%	2,157	2,232	74	3.5%
25.9%	2,140	2,224	83	3.9%
27.2%	2,133	2,212	79	3.7%
28.4%	2,109	2,205	96	4.5%
29.6%	2,102	2,199	97	4.6%
30.9%	2,080	2,159	80	3.8%
32.1%	2,079	2,131	52	2.5%
33.3%	2,066	2,086	20	1.0%
34.6%	2,018	2,046	28	1.4%
35.8%	2,002	2,035	33	1.6%
37.0%	2,000	2,026	26	1.3%
38.3%	1,953	2,026	73	3.7%
39.5%	1,939	2,012	73	3.8%
40.7%	1,897	2,006	110	5.8%
42.0%	1,854	1,943	89	4.8%
43.2%	1,845	1,941	96	5.2%
44.4%	1,843	1,918	75	4.1%
45.7%	1,805	1,897	92	5.1%
46.9%	1,797	1,895	98	5.5%
48.1%	1,770	1,850	80	4.5%
49.4%	1,740	1,833	92	5.3%
50.6%	1,724	1,815	91	5.3%
51.9%	1,723	1,801	77	4.5%
53.1%	1,694	1,797	103	6.1%
54.3%	1,665	1,789	123	7.4%
55.6%	1,634	1,716	82	5.0%
56.8%	1,630	1,612	-18	-1.1%
58.0%	1,623	1,602	-22	-1.3%
59.3%	1,599	1,597	-3	-0.2%
60.5%	1,599	1,554	-45	-2.8%
61.7%	1,592	1,499	-93	-5.9%
63.0%	1,512	1,483	-29	-1.9%
64.2%	1,474	1,461	-12	-0.8%
65.4%	1,421	1,457	36	2.5%
66.7%	1,404	1,425	20	1.5%
67.9%	1,363	1,375	13	0.9%
69.1%	1,356	1,374	18	1.3%
70.4%	1,341	1,331	-10	-0.7%
71.6%	1,281	1,327	46	3.6%
72.8%	1,249	1,314	65	5.2%
74.1%	1,226	1,267	41	3.3%
75.3%	1,191	1,210	19	1.6%
76.5%	1,181	1,209	28	2.4%
77.8%	1,164	1,177	13	1.1%
79.0%	1,158	1,175	17	1.4%
80.2%	1,143	1,148	5	0.4%
81.5%	1,138	1,144	6	0.5%
82.7%	1,118	1,131	13	1.2%
84.0%	1,083	1,113	30	2.8%
85.2%	1,065	1,108	43	4.0%
86.4%	1,065	1,093	29	2.7%
87.7%	1,043	1,047	3	0.3%
88.9%	988	989	1	0.1%
90.1%	939	979	40	4.3%
91.4%	927	951	24	2.6%
92.6%	921	947	26	2.9%
93.8%	845	908	63	7.5%
95.1%	844	864	19	2.3%
96.3%	792	831	39	5.0%
97.5%	788	775	-13	-1.7%
98.8%	741	774	33	4.5%
100.0%	668	711	44	6.5%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,087	-31	-1.0%
1.2%	3,008	3,008	0	0.0%
2.5%	2,981	2,981	0	0.0%
3.7%	2,969	2,950	-19	-0.6%
4.9%	2,950	2,844	-106	-3.6%
6.2%	2,909	2,787	-121	-4.2%
7.4%	2,891	2,752	-140	-4.8%
8.6%	2,859	2,752	-107	-3.8%
9.9%	2,734	2,719	-15	-0.5%
11.1%	2,679	2,715	37	1.4%
12.3%	2,670	2,649	-22	-0.8%
13.6%	2,631	2,604	-28	-1.1%
14.8%	2,624	2,596	-28	-1.1%
16.0%	2,561	2,476	-84	-3.3%
17.3%	2,462	2,431	-31	-1.3%
18.5%	2,424	2,392	-32	-1.3%
19.8%	2,403	2,391	-12	-0.5%
21.0%	2,391	2,377	-14	-0.6%
22.2%	2,383	2,347	-36	-1.5%
23.5%	2,360	2,326	-35	-1.5%
24.7%	2,358	2,314	-44	-1.9%
25.9%	2,274	2,308	34	1.5%
27.2%	2,260	2,296	37	1.6%
28.4%	2,219	2,294	75	3.4%
29.6%	2,195	2,290	95	4.3%
30.9%	2,164	2,263	99	4.6%
32.1%	2,138	2,260	122	5.7%
33.3%	2,113	2,246	133	6.3%
34.6%	2,101	2,194	93	4.4%
35.8%	2,081	2,149	68	3.3%
37.0%	2,073	2,138	65	3.1%
38.3%	2,060	2,113	53	2.6%
39.5%	2,045	2,095	49	2.4%
40.7%	2,038	2,075	38	1.8%
42.0%	2,013	2,045	32	1.6%
43.2%	1,920	2,028	108	5.6%
44.4%	1,904	2,011	107	5.6%
45.7%	1,881	1,981	100	5.3%
46.9%	1,878	1,950	72	3.9%
48.1%	1,843	1,942	99	5.4%
49.4%	1,827	1,928	100	5.5%
50.6%	1,805	1,922	117	6.5%
51.9%	1,748	1,888	140	8.0%
53.1%	1,737	1,875	138	7.9%
54.3%	1,709	1,805	96	5.6%
55.6%	1,680	1,785	105	6.3%
56.8%	1,669	1,744	75	4.5%
58.0%	1,624	1,712	89	5.5%
59.3%	1,617	1,667	50	3.1%
60.5%	1,614	1,579	-35	-2.2%
61.7%	1,609	1,575	-34	-2.1%
63.0%	1,608	1,545	-63	-3.9%
64.2%	1,535	1,536	1	0.1%
65.4%	1,509	1,525	16	1.1%
66.7%	1,497	1,487	-10	-0.7%
67.9%	1,373	1,462	89	6.5%
69.1%	1,301	1,338	37	2.8%
70.4%	1,295	1,307	12	0.9%
71.6%	1,295	1,272	-23	-1.8%
72.8%	1,259	1,255	-3	-0.3%
74.1%	1,258	1,253	-5	-0.4%
75.3%	1,246	1,249	4	0.3%
76.5%	1,244	1,223	-21	-1.7%
77.8%	1,199	1,192	-7	-0.6%
79.0%	1,193	1,189	-5	-0.4%
80.2%	1,188	1,181	-7	-0.6%
81.5%	1,175	1,165	-10	-0.9%
82.7%	1,170	1,153	-17	-1.5%
84.0%	1,167	1,140	-27	-2.3%
85.2%	1,153	1,134	-19	-1.7%
86.4%	1,099	1,129	30	2.8%
87.7%	1,086	1,121	34	3.2%
88.9%	1,066	1,057	-9	-0.9%
90.1%	976	1,010	34	3.4%
91.4%	956	996	40	4.2%
92.6%	945	986	42	4.4%
93.8%	861	984	124	14.4%
95.1%	837	912	75	8.9%
96.3%	794	864	70	8.8%
97.5%	779	777	-1	-0.2%
98.8%	766	766	-1	-0.1%
100.0%	717	736	19	2.6%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,139	3,139	0	0.0%
1.2%	3,107	3,107	0	0.0%
2.5%	2,973	2,930	-43	-1.4%
3.7%	2,930	2,918	-12	-0.4%
4.9%	2,918	2,867	-51	-1.7%
6.2%	2,866	2,856	-10	-0.4%
7.4%	2,841	2,834	-7	-0.2%
8.6%	2,806	2,829	23	0.8%
9.9%	2,800	2,806	6	0.2%
11.1%	2,788	2,800	12	0.4%
12.3%	2,788	2,788	0	0.0%
13.6%	2,788	2,788	0	0.0%
14.8%	2,788	2,788	0	0.0%
16.0%	2,788	2,788	0	0.0%
17.3%	2,769	2,759	-11	-0.4%
18.5%	2,739	2,750	11	0.4%
19.8%	2,737	2,747	10	0.4%
21.0%	2,707	2,744	36	1.3%
22.2%	2,698	2,666	-31	-1.2%
23.5%	2,607	2,664	57	2.2%
24.7%	2,586	2,652	66	2.6%
25.9%	2,508	2,439	-69	-2.8%
27.2%	2,405	2,438	33	1.4%
28.4%	2,397	2,418	21	0.9%
29.6%	2,379	2,416	37	1.6%
30.9%	2,359	2,405	46	2.0%
32.1%	2,327	2,380	53	2.3%
33.3%	2,316	2,367	51	2.2%
34.6%	2,299	2,340	41	1.8%
35.8%	2,283	2,310	28	1.2%
37.0%	2,246	2,296	50	2.2%
38.3%	2,239	2,282	43	1.9%
39.5%	2,216	2,248	32	1.5%
40.7%	2,183	2,195	11	0.5%
42.0%	2,174	2,192	18	0.8%
43.2%	2,135	2,190	55	2.6%
44.4%	2,127	2,177	51	2.4%
45.7%	2,120	2,142	21	1.0%
46.9%	2,120	2,128	8	0.4%
48.1%	2,087	2,101	14	0.7%
49.4%	1,993	2,087	94	4.7%
50.6%	1,992	2,071	79	4.0%
51.9%	1,974	2,059	85	4.3%
53.1%	1,919	2,039	120	6.3%
54.3%	1,870	2,015	145	7.8%
55.6%	1,868	1,970	102	5.5%
56.8%	1,864	1,962	98	5.3%
58.0%	1,841	1,935	94	5.1%
59.3%	1,740	1,914	174	10.0%
60.5%	1,724	1,867	143	8.3%
61.7%	1,719	1,865	146	8.5%
63.0%	1,631	1,800	169	10.4%
64.2%	1,623	1,746	123	7.6%
65.4%	1,598	1,700	102	6.4%
66.7%	1,580	1,646	66	4.2%
67.9%	1,511	1,641	130	8.6%
69.1%	1,485	1,533	49	3.3%
70.4%	1,473	1,513	40	2.7%
71.6%	1,459	1,448	-11	-0.7%
72.8%	1,443	1,413	-30	-2.1%
74.1%	1,389	1,392	3	0.2%
75.3%	1,362	1,334	-28	-2.0%
76.5%	1,340	1,334	-7	-0.5%
77.8%	1,315	1,321	6	0.5%
79.0%	1,312	1,320	8	0.6%
80.2%	1,254	1,310	56	4.5%
81.5%	1,244	1,288	44	3.5%
82.7%	1,236	1,283	47	3.8%
84.0%	1,211	1,257	46	3.8%
85.2%	1,209	1,233	24	2.0%
86.4%	1,187	1,206	19	1.6%
87.7%	1,175	1,175	0	0.0%
88.9%	1,173	1,160	-14	-1.2%
90.1%	1,167	1,159	-9	-0.7%
91.4%	1,099	1,129	30	2.7%
92.6%	994	1,097	103	10.3%
93.8%	971	1,084	113	11.6%
95.1%	968	1,027	60	6.2%
96.3%	942	1,019	77	8.2%
97.5%	860	975	115	13.4%
98.8%	816	941	125	15.3%
100.0%	780	843	62	8.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,091	0	0.0%
1.2%	2,943	2,978	35	1.2%
2.5%	2,940	2,974	34	1.1%
3.7%	2,937	2,943	6	0.2%
4.9%	2,924	2,940	16	0.5%
6.2%	2,922	2,930	8	0.3%
7.4%	2,911	2,924	13	0.4%
8.6%	2,870	2,922	52	1.8%
9.9%	2,854	2,870	16	0.6%
11.1%	2,846	2,854	8	0.3%
12.3%	2,813	2,846	33	1.2%
13.6%	2,809	2,813	4	0.1%
14.8%	2,788	2,809	21	0.8%
16.0%	2,788	2,788	0	0.0%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,787	2,788	1	0.0%
27.2%	2,774	2,787	13	0.5%
28.4%	2,729	2,742	14	0.5%
29.6%	2,727	2,726	0	0.0%
30.9%	2,725	2,658	-67	-2.4%
32.1%	2,691	2,617	-74	-2.8%
33.3%	2,660	2,614	-46	-1.7%
34.6%	2,655	2,603	-52	-2.0%
35.8%	2,629	2,597	-32	-1.2%
37.0%	2,606	2,593	-13	-0.5%
38.3%	2,595	2,592	-4	-0.1%
39.5%	2,551	2,565	15	0.6%
40.7%	2,539	2,549	10	0.4%
42.0%	2,503	2,547	44	1.8%
43.2%	2,496	2,538	42	1.7%
44.4%	2,394	2,505	111	4.6%
45.7%	2,367	2,503	136	5.8%
46.9%	2,349	2,483	133	5.7%
48.1%	2,333	2,402	69	3.0%
49.4%	2,273	2,398	125	5.5%
50.6%	2,265	2,396	131	5.8%
51.9%	2,201	2,303	102	4.6%
53.1%	2,177	2,294	117	5.4%
54.3%	2,126	2,216	90	4.2%
55.6%	2,101	2,215	114	5.4%
56.8%	2,044	2,181	138	6.7%
58.0%	1,970	2,169	199	10.1%
59.3%	1,969	2,167	198	10.0%
60.5%	1,961	2,166	206	10.5%
61.7%	1,917	2,144	226	11.8%
63.0%	1,879	2,108	230	12.2%
64.2%	1,791	2,087	296	16.5%
65.4%	1,774	1,852	78	4.4%
66.7%	1,757	1,848	91	5.2%
67.9%	1,756	1,847	91	5.2%
69.1%	1,749	1,766	17	0.9%
70.4%	1,744	1,694	-50	-2.9%
71.6%	1,721	1,672	-49	-2.8%
72.8%	1,712	1,664	-48	-2.8%
74.1%	1,708	1,647	-62	-3.6%
75.3%	1,696	1,646	-50	-3.0%
76.5%	1,624	1,636	12	0.8%
77.8%	1,614	1,628	14	0.9%
79.0%	1,598	1,607	10	0.6%
80.2%	1,522	1,601	79	5.2%
81.5%	1,522	1,581	59	3.9%
82.7%	1,505	1,574	69	4.6%
84.0%	1,483	1,447	-36	-2.4%
85.2%	1,474	1,446	-28	-1.9%
86.4%	1,352	1,409	58	4.3%
87.7%	1,349	1,376	26	1.9%
88.9%	1,349	1,355	6	0.5%
90.1%	1,341	1,293	-48	-3.6%
91.4%	1,298	1,287	-11	-0.9%
92.6%	1,275	1,222	-53	-4.1%
93.8%	1,214	1,219	4	0.4%
95.1%	1,080	1,213	133	12.3%
96.3%	1,018	1,204	186	18.2%
97.5%	1,018	1,155	137	13.4%
98.8%	1,005	1,063	58	5.8%
100.0%	963	1,056	93	9.7%

Table SW-18-7b
Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,105	27	0.9%
1.2%	3,059	3,078	19	0.6%
2.5%	3,057	3,059	2	0.1%
3.7%	3,009	3,057	48	1.6%
4.9%	2,997	3,016	19	0.6%
6.2%	2,996	3,009	13	0.4%
7.4%	2,987	2,997	10	0.3%
8.6%	2,962	2,987	25	0.8%
9.9%	2,952	2,962	10	0.3%
11.1%	2,951	2,952	1	0.0%
12.3%	2,934	2,945	11	0.4%
13.6%	2,925	2,925	0	0.0%
14.8%	2,895	2,903	8	0.3%
16.0%	2,890	2,890	0	0.0%
17.3%	2,884	2,884	0	0.0%
18.5%	2,856	2,864	8	0.3%
19.8%	2,845	2,856	11	0.4%
21.0%	2,839	2,847	8	0.3%
22.2%	2,832	2,845	13	0.5%
23.5%	2,820	2,839	19	0.7%
24.7%	2,813	2,832	19	0.7%
25.9%	2,806	2,813	7	0.2%
27.2%	2,797	2,806	9	0.3%
28.4%	2,788	2,804	16	0.6%
29.6%	2,788	2,798	10	0.4%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,788	1	0.0%
45.7%	2,761	2,788	27	1.0%
46.9%	2,752	2,788	36	1.3%
48.1%	2,744	2,787	43	1.6%
49.4%	2,739	2,713	-26	-1.0%
50.6%	2,600	2,637	37	1.4%
51.9%	2,586	2,612	26	1.0%
53.1%	2,552	2,592	40	1.6%
54.3%	2,492	2,585	93	3.7%
55.6%	2,477	2,571	94	3.8%
56.8%	2,455	2,466	11	0.4%
58.0%	2,400	2,441	41	1.7%
59.3%	2,400	2,421	21	0.9%
60.5%	2,347	2,340	-7	-0.3%
61.7%	2,347	2,325	-22	-0.9%
63.0%	2,235	2,316	81	3.6%
64.2%	2,155	2,265	110	5.1%
65.4%	2,131	2,247	115	5.4%
66.7%	2,098	2,231	133	6.3%
67.9%	2,086	2,220	134	6.4%
69.1%	2,042	2,172	130	6.4%
70.4%	2,011	2,171	160	8.0%
71.6%	1,992	2,078	86	4.3%
72.8%	1,967	2,012	45	2.3%
74.1%	1,928	2,011	83	4.3%
75.3%	1,915	1,970	54	2.8%
76.5%	1,895	1,933	38	2.0%
77.8%	1,866	1,873	8	0.4%
79.0%	1,838	1,867	29	1.6%
80.2%	1,829	1,864	35	1.9%
81.5%	1,818	1,793	-25	-1.4%
82.7%	1,808	1,789	-19	-1.1%
84.0%	1,795	1,771	-24	-1.3%
85.2%	1,782	1,746	-36	-2.0%
86.4%	1,698	1,735	37	2.2%
87.7%	1,648	1,723	75	4.6%
88.9%	1,569	1,672	103	6.6%
90.1%	1,489	1,502	13	0.9%
91.4%	1,416	1,430	14	1.0%
92.6%	1,322	1,407	84	6.4%
93.8%	1,264	1,407	143	11.3%
95.1%	1,212	1,315	104	8.6%
96.3%	1,201	1,315	114	9.5%
97.5%	1,199	1,220	21	1.7%
98.8%	1,168	1,151	-17	-1.5%
100.0%	978	1,139	162	16.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,162	3,163	1	0.0%
3.7%	3,133	3,162	29	0.9%
4.9%	3,123	3,133	10	0.3%
6.2%	3,120	3,123	3	0.1%
7.4%	3,105	3,120	15	0.5%
8.6%	3,096	3,105	9	0.3%
9.9%	3,063	3,096	33	1.1%
11.1%	3,059	3,063	4	0.1%
12.3%	3,058	3,059	1	0.0%
13.6%	3,054	3,058	4	0.1%
14.8%	3,036	3,054	18	0.6%
16.0%	3,028	3,036	8	0.3%
17.3%	3,027	3,028	1	0.0%
18.5%	3,024	3,027	3	0.1%
19.8%	3,018	3,024	6	0.2%
21.0%	2,999	3,018	19	0.6%
22.2%	2,995	3,001	6	0.2%
23.5%	2,990	2,999	9	0.3%
24.7%	2,988	2,995	7	0.2%
25.9%	2,978	2,990	12	0.4%
27.2%	2,964	2,988	24	0.8%
28.4%	2,964	2,964	0	0.0%
29.6%	2,954	2,964	10	0.3%
30.9%	2,951	2,954	3	0.1%
32.1%	2,944	2,951	7	0.2%
33.3%	2,943	2,944	1	0.0%
34.6%	2,937	2,943	6	0.2%
35.8%	2,936	2,937	1	0.0%
37.0%	2,927	2,936	9	0.3%
38.3%	2,922	2,927	5	0.2%
39.5%	2,918	2,922	4	0.1%
40.7%	2,909	2,918	9	0.3%
42.0%	2,860	2,864	4	0.2%
43.2%	2,847	2,847	0	0.0%
44.4%	2,833	2,833	0	0.0%
45.7%	2,817	2,826	9	0.3%
46.9%	2,817	2,825	8	0.3%
48.1%	2,814	2,817	3	0.1%
49.4%	2,804	2,817	13	0.5%
50.6%	2,797	2,797	0	0.0%
51.9%	2,788	2,790	2	0.1%
53.1%	2,788	2,788	0	0.0%
54.3%	2,788	2,788	0	0.0%
55.6%	2,788	2,788	0	0.0%
56.8%	2,788	2,788	0	0.0%
58.0%	2,788	2,788	0	0.0%
59.3%	2,788	2,788	0	0.0%
60.5%	2,759	2,788	29	1.1%
61.7%	2,738	2,769	31	1.1%
63.0%	2,689	2,734	45	1.7%
64.2%	2,680	2,693	13	0.5%
65.4%	2,523	2,690	167	6.6%
66.7%	2,481	2,569	88	3.6%
67.9%	2,427	2,555	127	5.3%
69.1%	2,378	2,528	150	6.3%
70.4%	2,334	2,507	173	7.4%
71.6%	2,328	2,470	142	6.1%
72.8%	2,272	2,368	96	4.2%
74.1%	2,239	2,306	67	3.0%
75.3%	2,235	2,304	69	3.1%
76.5%	2,180	2,255	76	3.5%
77.8%	2,173	2,255	82	3.8%
79.0%	2,144	2,237	93	4.4%
80.2%	2,127	2,219	91	4.3%
81.5%	2,125	2,092	-32	-1.5%
82.7%	2,104	2,073	-31	-1.5%
84.0%	2,053	2,044	-9	-0.4%
85.2%	2,005	2,007	2	0.1%
86.4%	1,961	1,974	13	0.6%
87.7%	1,867	1,918	51	2.7%
88.9%	1,851	1,866	15	0.8%
90.1%	1,765	1,699	-66	-3.7%
91.4%	1,554	1,695	141	9.1%
92.6%	1,483	1,638	155	10.4%
93.8%	1,475	1,605	129	8.7%
95.1%	1,464	1,544	81	5.5%
96.3%	1,441	1,515	74	5.1%
97.5%	1,363	1,423	60	4.4%
98.8%	1,289	1,277	-12	-1.0%
100.0%	1,211	1,151	-60	-4.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,446	3,446	0	0.0%
4.9%	3,433	3,433	0	0.0%
6.2%	3,427	3,427	0	0.0%
7.4%	3,396	3,396	0	0.0%
8.6%	3,389	3,389	0	0.0%
9.9%	3,362	3,362	0	0.0%
11.1%	3,362	3,362	0	0.0%
12.3%	3,357	3,357	0	0.0%
13.6%	3,354	3,354	0	0.0%
14.8%	3,354	3,354	0	0.0%
16.0%	3,352	3,352	0	0.0%
17.3%	3,350	3,350	0	0.0%
18.5%	3,334	3,334	0	0.0%
19.8%	3,324	3,324	0	0.0%
21.0%	3,305	3,305	0	0.0%
22.2%	3,303	3,303	0	0.0%
23.5%	3,298	3,298	0	0.0%
24.7%	3,296	3,296	0	0.0%
25.9%	3,294	3,294	0	0.0%
27.2%	3,292	3,292	0	0.0%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,284	0	0.0%
30.9%	3,281	3,281	0	0.0%
32.1%	3,277	3,277	0	0.0%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,241	0	0.0%
35.8%	3,238	3,238	0	0.0%
37.0%	3,236	3,236	0	0.0%
38.3%	3,235	3,235	0	0.0%
39.5%	3,234	3,234	0	0.0%
40.7%	3,218	3,227	9	0.3%
42.0%	3,208	3,218	10	0.3%
43.2%	3,208	3,208	0	0.0%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,203	14	0.4%
46.9%	3,181	3,201	19	0.6%
48.1%	3,180	3,190	10	0.3%
49.4%	3,167	3,181	14	0.5%
50.6%	3,143	3,180	37	1.2%
51.9%	3,139	3,172	33	1.0%
53.1%	3,134	3,167	32	1.0%
54.3%	3,121	3,149	28	0.9%
55.6%	3,097	3,143	46	1.5%
56.8%	3,086	3,139	53	1.7%
58.0%	3,066	3,096	30	1.0%
59.3%	3,065	3,086	22	0.7%
60.5%	3,031	3,083	52	1.7%
61.7%	2,960	3,079	119	4.0%
63.0%	2,940	3,077	136	4.6%
64.2%	2,901	3,073	172	5.9%
65.4%	2,865	2,925	60	2.1%
66.7%	2,829	2,913	84	3.0%
67.9%	2,679	2,800	121	4.5%
69.1%	2,677	2,658	-18	-0.7%
70.4%	2,670	2,653	-18	-0.7%
71.6%	2,626	2,598	-28	-1.1%
72.8%	2,622	2,596	-26	-1.0%
74.1%	2,533	2,577	44	1.7%
75.3%	2,458	2,560	102	4.2%
76.5%	2,424	2,549	124	5.1%
77.8%	2,404	2,535	131	5.5%
79.0%	2,399	2,533	134	5.6%
80.2%	2,394	2,498	103	4.3%
81.5%	2,289	2,479	190	8.3%
82.7%	2,273	2,440	167	7.4%
84.0%	2,258	2,384	126	5.6%
85.2%	2,252	2,206	-46	-2.1%
86.4%	2,076	2,139	64	3.1%
87.7%	2,072	2,129	57	2.8%
88.9%	1,935	1,964	28	1.5%
90.1%	1,902	1,876	-26	-1.4%
91.4%	1,753	1,854	101	5.8%
92.6%	1,696	1,764	67	4.0%
93.8%	1,604	1,735	130	8.1%
95.1%	1,534	1,655	121	7.9%
96.3%	1,522	1,524	2	0.1%
97.5%	1,395	1,464	69	5.0%
98.8%	1,360	1,348	-12	-0.9%
100.0%	1,100	1,052	-48	-4.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,538	0	0.0%
27.2%	3,538	3,538	0	0.0%
28.4%	3,538	3,538	0	0.0%
29.6%	3,538	3,538	0	0.0%
30.9%	3,538	3,538	0	0.0%
32.1%	3,538	3,538	0	0.0%
33.3%	3,538	3,538	0	0.0%
34.6%	3,536	3,536	0	0.0%
35.8%	3,531	3,532	0	0.0%
37.0%	3,527	3,527	0	0.0%
38.3%	3,507	3,512	6	0.2%
39.5%	3,494	3,507	13	0.4%
40.7%	3,482	3,494	12	0.4%
42.0%	3,460	3,481	22	0.6%
43.2%	3,414	3,460	46	1.4%
44.4%	3,405	3,415	9	0.3%
45.7%	3,371	3,414	42	1.2%
46.9%	3,363	3,405	42	1.3%
48.1%	3,346	3,363	17	0.5%
49.4%	3,296	3,346	50	1.5%
50.6%	3,267	3,296	29	0.9%
51.9%	3,235	3,287	52	1.6%
53.1%	3,233	3,266	33	1.0%
54.3%	3,207	3,255	48	1.5%
55.6%	3,205	3,233	28	0.9%
56.8%	3,190	3,206	16	0.5%
58.0%	3,176	3,176	-1	0.0%
59.3%	3,133	3,137	5	0.1%
60.5%	3,110	3,104	-6	-0.2%
61.7%	2,970	3,102	133	4.5%
63.0%	2,943	3,073	130	4.4%
64.2%	2,936	3,045	108	3.7%
65.4%	2,891	3,043	152	5.3%
66.7%	2,884	2,994	110	3.8%
67.9%	2,867	2,972	105	3.6%
69.1%	2,858	2,955	97	3.4%
70.4%	2,834	2,893	58	2.1%
71.6%	2,819	2,811	-8	-0.3%
72.8%	2,787	2,787	0	0.0%
74.1%	2,731	2,764	33	1.2%
75.3%	2,675	2,746	71	2.7%
76.5%	2,598	2,678	80	3.1%
77.8%	2,584	2,677	93	3.6%
79.0%	2,500	2,619	119	4.7%
80.2%	2,464	2,611	148	6.0%
81.5%	2,432	2,552	120	4.9%
82.7%	2,368	2,447	79	3.4%
84.0%	2,346	2,415	68	2.9%
85.2%	2,104	2,302	198	9.4%
86.4%	2,036	2,264	229	11.2%
87.7%	1,997	2,218	221	11.1%
88.9%	1,967	2,070	103	5.2%
90.1%	1,956	1,896	-60	-3.1%
91.4%	1,893	1,865	-28	-1.5%
92.6%	1,714	1,764	51	2.9%
93.8%	1,655	1,763	107	6.5%
95.1%	1,535	1,555	20	1.3%
96.3%	1,475	1,480	5	0.4%
97.5%	1,419	1,407	-12	-0.8%
98.8%	1,309	1,351	43	3.3%
100.0%	1,042	994	-47	-4.6%

Table SW-18-7b
Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,526	-12	-0.3%
16.0%	3,538	3,525	-13	-0.4%
17.3%	3,538	3,510	-28	-0.8%
18.5%	3,538	3,510	-28	-0.8%
19.8%	3,538	3,510	-28	-0.8%
21.0%	3,538	3,510	-28	-0.8%
22.2%	3,538	3,509	-29	-0.8%
23.5%	3,538	3,509	-29	-0.8%
24.7%	3,538	3,508	-30	-0.8%
25.9%	3,538	3,508	-30	-0.8%
27.2%	3,538	3,508	-30	-0.9%
28.4%	3,538	3,496	-42	-1.2%
29.6%	3,538	3,495	-43	-1.2%
30.9%	3,538	3,487	-51	-1.4%
32.1%	3,495	3,486	-9	-0.3%
33.3%	3,486	3,424	-61	-1.8%
34.6%	3,467	3,396	-71	-2.0%
35.8%	3,424	3,388	-37	-1.1%
37.0%	3,422	3,382	-40	-1.2%
38.3%	3,349	3,379	29	0.9%
39.5%	3,305	3,308	2	0.1%
40.7%	3,279	3,282	3	0.1%
42.0%	3,260	3,275	15	0.5%
43.2%	3,258	3,238	-21	-0.6%
44.4%	3,212	3,221	9	0.3%
45.7%	3,210	3,217	8	0.2%
46.9%	3,193	3,173	-20	-0.6%
48.1%	3,167	3,137	-29	-0.9%
49.4%	3,109	3,130	21	0.7%
50.6%	3,103	3,124	22	0.7%
51.9%	3,101	3,115	13	0.4%
53.1%	3,082	3,107	25	0.8%
54.3%	3,054	3,098	44	1.4%
55.6%	3,030	3,082	51	1.7%
56.8%	2,991	3,079	88	2.9%
58.0%	2,949	3,002	53	1.8%
59.3%	2,924	2,960	36	1.2%
60.5%	2,886	2,924	38	1.3%
61.7%	2,883	2,879	-4	-0.1%
63.0%	2,871	2,876	5	0.2%
64.2%	2,847	2,849	1	0.0%
65.4%	2,826	2,778	-48	-1.7%
66.7%	2,703	2,760	57	2.1%
67.9%	2,687	2,746	59	2.2%
69.1%	2,681	2,718	37	1.4%
70.4%	2,635	2,700	64	2.4%
71.6%	2,595	2,694	99	3.8%
72.8%	2,578	2,693	115	4.5%
74.1%	2,544	2,641	97	3.8%
75.3%	2,477	2,561	84	3.4%
76.5%	2,363	2,537	173	7.3%
77.8%	2,315	2,468	152	6.6%
79.0%	2,299	2,463	164	7.1%
80.2%	2,294	2,430	136	5.9%
81.5%	2,271	2,410	138	6.1%
82.7%	2,151	2,283	132	6.1%
84.0%	2,142	2,192	51	2.4%
85.2%	2,019	2,127	108	5.3%
86.4%	1,836	2,103	267	14.6%
87.7%	1,782	2,089	306	17.2%
88.9%	1,777	1,782	5	0.3%
90.1%	1,714	1,736	23	1.3%
91.4%	1,672	1,704	32	1.9%
92.6%	1,551	1,650	99	6.4%
93.8%	1,484	1,612	128	8.7%
95.1%	1,384	1,306	-77	-5.6%
96.3%	1,319	1,302	-17	-1.3%
97.5%	1,165	1,297	132	11.4%
98.8%	1,112	1,147	35	3.2%
100.0%	824	780	-43	-5.3%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,537	-1	0.0%
3.7%	3,538	3,475	-63	-1.8%
4.9%	3,538	3,464	-74	-2.1%
6.2%	3,447	3,435	-12	-0.4%
7.4%	3,385	3,418	33	1.0%
8.6%	3,374	3,347	-27	-0.8%
9.9%	3,324	3,237	-87	-2.6%
11.1%	3,220	3,225	5	0.1%
12.3%	3,197	3,185	-12	-0.4%
13.6%	3,170	3,153	-17	-0.5%
14.8%	3,130	3,140	10	0.3%
16.0%	3,115	3,085	-30	-1.0%
17.3%	3,095	3,064	-31	-1.0%
18.5%	3,059	3,020	-39	-1.3%
19.8%	3,031	2,999	-32	-1.1%
21.0%	3,027	2,994	-33	-1.1%
22.2%	3,021	2,980	-41	-1.4%
23.5%	3,009	2,979	-30	-1.0%
24.7%	2,999	2,975	-24	-0.8%
25.9%	2,993	2,965	-28	-0.9%
27.2%	2,976	2,949	-28	-0.9%
28.4%	2,973	2,944	-30	-1.0%
29.6%	2,956	2,918	-38	-1.3%
30.9%	2,944	2,914	-31	-1.0%
32.1%	2,898	2,898	0	0.0%
33.3%	2,893	2,886	-7	-0.3%
34.6%	2,859	2,810	-49	-1.7%
35.8%	2,824	2,799	-26	-0.9%
37.0%	2,810	2,792	-18	-0.6%
38.3%	2,752	2,790	38	1.4%
39.5%	2,680	2,786	106	4.0%
40.7%	2,663	2,695	32	1.2%
42.0%	2,645	2,657	12	0.4%
43.2%	2,644	2,657	13	0.5%
44.4%	2,636	2,621	-15	-0.6%
45.7%	2,635	2,612	-23	-0.9%
46.9%	2,622	2,598	-24	-0.9%
48.1%	2,553	2,582	28	1.1%
49.4%	2,539	2,557	18	0.7%
50.6%	2,535	2,541	6	0.2%
51.9%	2,523	2,538	15	0.6%
53.1%	2,464	2,525	61	2.5%
54.3%	2,457	2,520	63	2.6%
55.6%	2,412	2,485	73	3.0%
56.8%	2,393	2,454	62	2.5%
58.0%	2,313	2,371	58	2.5%
59.3%	2,307	2,364	57	2.5%
60.5%	2,301	2,359	58	2.5%
61.7%	2,298	2,343	45	2.0%
63.0%	2,275	2,263	-12	-0.5%
64.2%	2,240	2,197	-43	-1.9%
65.4%	2,191	2,165	-27	-1.2%
66.7%	2,076	2,156	80	3.8%
67.9%	2,074	2,145	71	3.4%
69.1%	2,074	2,110	36	1.7%
70.4%	2,068	2,089	21	1.0%
71.6%	2,060	2,078	18	0.9%
72.8%	2,037	2,064	28	1.4%
74.1%	1,960	2,057	97	4.9%
75.3%	1,883	2,017	134	7.1%
76.5%	1,779	1,963	184	10.4%
77.8%	1,774	1,928	155	8.7%
79.0%	1,717	1,891	174	10.1%
80.2%	1,686	1,880	193	11.5%
81.5%	1,679	1,862	183	10.9%
82.7%	1,583	1,851	269	17.0%
84.0%	1,556	1,642	86	5.5%
85.2%	1,555	1,547	-9	-0.5%
86.4%	1,307	1,535	228	17.5%
87.7%	1,210	1,507	297	24.6%
88.9%	1,207	1,273	65	5.4%
90.1%	1,176	1,221	44	3.8%
91.4%	1,162	1,194	32	2.8%
92.6%	1,011	1,194	182	18.0%
93.8%	983	1,133	150	15.2%
95.1%	975	1,081	105	10.8%
96.3%	973	889	-85	-8.7%
97.5%	970	871	-99	-10.2%
98.8%	898	789	-110	-12.2%
100.0%	767	724	-43	-5.6%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,456	-82	-2.3%
1.2%	3,538	3,418	-120	-3.4%
2.5%	3,526	3,407	-119	-3.4%
3.7%	3,486	3,389	-98	-2.8%
4.9%	3,469	3,322	-147	-4.2%
6.2%	3,323	3,307	-16	-0.5%
7.4%	3,315	3,236	-78	-2.4%
8.6%	3,284	3,176	-108	-3.3%
9.9%	3,211	3,139	-72	-2.2%
11.1%	3,204	3,130	-75	-2.3%
12.3%	3,004	2,993	-11	-0.4%
13.6%	2,991	2,984	-7	-0.2%
14.8%	2,988	2,979	-9	-0.3%
16.0%	2,932	2,928	-4	-0.1%
17.3%	2,912	2,862	-49	-1.7%
18.5%	2,837	2,848	11	0.4%
19.8%	2,811	2,819	8	0.3%
21.0%	2,793	2,789	-5	-0.2%
22.2%	2,714	2,773	60	2.2%
23.5%	2,711	2,766	55	2.0%
24.7%	2,675	2,766	91	3.4%
25.9%	2,622	2,666	44	1.7%
27.2%	2,617	2,647	29	1.1%
28.4%	2,551	2,604	53	2.1%
29.6%	2,551	2,595	44	1.7%
30.9%	2,538	2,568	29	1.2%
32.1%	2,516	2,554	38	1.5%
33.3%	2,492	2,510	19	0.7%
34.6%	2,439	2,502	63	2.6%
35.8%	2,414	2,457	43	1.8%
37.0%	2,359	2,439	81	3.4%
38.3%	2,341	2,407	66	2.8%
39.5%	2,279	2,375	95	4.2%
40.7%	2,275	2,352	77	3.4%
42.0%	2,266	2,344	78	3.4%
43.2%	2,248	2,339	91	4.1%
44.4%	2,247	2,313	65	2.9%
45.7%	2,226	2,259	33	1.5%
46.9%	2,218	2,256	38	1.7%
48.1%	2,192	2,205	13	0.6%
49.4%	2,172	2,177	6	0.3%
50.6%	2,117	2,168	51	2.4%
51.9%	2,077	2,152	75	3.6%
53.1%	2,069	2,142	74	3.6%
54.3%	2,030	2,053	23	1.2%
55.6%	2,023	2,046	24	1.2%
56.8%	1,989	2,041	52	2.6%
58.0%	1,948	1,983	34	1.8%
59.3%	1,879	1,957	79	4.2%
60.5%	1,865	1,950	84	4.5%
61.7%	1,853	1,846	-7	-0.4%
63.0%	1,826	1,806	-21	-1.1%
64.2%	1,774	1,748	-26	-1.4%
65.4%	1,742	1,718	-24	-1.4%
66.7%	1,728	1,698	-30	-1.7%
67.9%	1,676	1,666	-11	-0.6%
69.1%	1,658	1,660	2	0.1%
70.4%	1,624	1,628	4	0.2%
71.6%	1,608	1,621	13	0.8%
72.8%	1,513	1,600	87	5.7%
74.1%	1,476	1,567	91	6.2%
75.3%	1,462	1,537	75	5.1%
76.5%	1,422	1,526	104	7.3%
77.8%	1,357	1,507	150	11.0%
79.0%	1,296	1,453	157	12.1%
80.2%	1,296	1,399	104	8.0%
81.5%	1,240	1,377	137	11.0%
82.7%	1,157	1,349	192	16.6%
84.0%	1,130	1,181	51	4.5%
85.2%	1,106	1,155	49	4.4%
86.4%	1,093	1,144	51	4.7%
87.7%	1,090	1,104	14	1.3%
88.9%	1,077	1,092	15	1.4%
90.1%	1,021	1,086	65	6.4%
91.4%	951	1,061	111	11.6%
92.6%	943	1,020	76	8.1%
93.8%	902	960	58	6.4%
95.1%	874	939	65	7.4%
96.3%	873	830	-43	-4.9%
97.5%	860	817	-43	-5.0%
98.8%	835	767	-67	-8.0%
100.0%	766	723	-43	-5.6%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,351	3,351	0	0.0%
1.2%	3,351	3,351	0	0.0%
2.5%	3,237	3,205	-31	-1.0%
3.7%	3,116	2,904	-213	-6.8%
4.9%	3,061	2,871	-190	-6.2%
6.2%	3,014	2,860	-154	-5.1%
7.4%	2,920	2,858	-62	-2.1%
8.6%	2,853	2,696	-157	-5.5%
9.9%	2,786	2,610	-176	-6.3%
11.1%	2,690	2,608	-81	-3.0%
12.3%	2,638	2,561	-77	-2.9%
13.6%	2,470	2,517	47	1.9%
14.8%	2,431	2,510	79	3.3%
16.0%	2,431	2,477	46	1.9%
17.3%	2,430	2,439	9	0.4%
18.5%	2,394	2,374	-20	-0.9%
19.8%	2,338	2,328	-9	-0.4%
21.0%	2,317	2,322	5	0.2%
22.2%	2,273	2,311	38	1.7%
23.5%	2,255	2,299	43	1.9%
24.7%	2,245	2,254	9	0.4%
25.9%	2,187	2,253	66	3.0%
27.2%	2,177	2,226	49	2.2%
28.4%	2,168	2,218	50	2.3%
29.6%	2,166	2,150	-16	-0.7%
30.9%	2,152	2,148	-4	-0.2%
32.1%	2,109	2,117	8	0.4%
33.3%	2,090	2,113	23	1.1%
34.6%	2,072	2,097	25	1.2%
35.8%	2,029	2,089	59	2.9%
37.0%	1,983	2,028	45	2.3%
38.3%	1,982	2,022	40	2.0%
39.5%	1,971	2,005	33	1.7%
40.7%	1,955	2,003	48	2.5%
42.0%	1,938	1,995	57	2.9%
43.2%	1,933	1,979	46	2.4%
44.4%	1,892	1,978	86	4.5%
45.7%	1,892	1,956	65	3.4%
46.9%	1,865	1,947	82	4.4%
48.1%	1,837	1,941	104	5.7%
49.4%	1,833	1,927	94	5.1%
50.6%	1,821	1,892	71	3.9%
51.9%	1,804	1,847	43	2.4%
53.1%	1,797	1,810	13	0.7%
54.3%	1,776	1,808	32	1.8%
55.6%	1,754	1,744	-10	-0.6%
56.8%	1,715	1,730	15	0.9%
58.0%	1,690	1,713	24	1.4%
59.3%	1,643	1,679	36	2.2%
60.5%	1,609	1,593	-16	-1.0%
61.7%	1,603	1,563	-40	-2.5%
63.0%	1,596	1,538	-58	-3.6%
64.2%	1,561	1,522	-40	-2.5%
65.4%	1,557	1,507	-50	-3.2%
66.7%	1,554	1,499	-55	-3.6%
67.9%	1,527	1,497	-30	-2.0%
69.1%	1,527	1,496	-31	-2.0%
70.4%	1,446	1,486	39	2.7%
71.6%	1,389	1,452	64	4.6%
72.8%	1,364	1,415	51	3.7%
74.1%	1,357	1,305	-53	-3.9%
75.3%	1,325	1,288	-37	-2.8%
76.5%	1,261	1,257	-3	-0.2%
77.8%	1,223	1,224	1	0.1%
79.0%	1,185	1,208	23	2.0%
80.2%	1,163	1,182	19	1.6%
81.5%	1,137	1,143	6	0.6%
82.7%	1,129	1,137	8	0.7%
84.0%	1,097	1,136	38	3.5%
85.2%	1,071	1,126	55	5.1%
86.4%	1,037	1,058	21	2.0%
87.7%	1,025	1,049	25	2.4%
88.9%	1,014	1,021	6	0.6%
90.1%	949	996	47	4.9%
91.4%	922	980	58	6.3%
92.6%	921	975	55	5.9%
93.8%	874	937	63	7.2%
95.1%	857	909	51	6.0%
96.3%	809	805	-4	-0.5%
97.5%	774	792	18	2.3%
98.8%	744	780	36	4.9%
100.0%	712	731	19	2.7%

Table SW-19-7a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative C	754	760	777	797	815	832	853	862	852	813	785	759
Difference	3	3	5	4	3	3	3	3	3	3	3	1
Percent Difference[3]	0.4%	0.4%	0.6%	0.5%	0.4%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative C	814	820	828	841	854	859	884	898	895	871	857	821
Difference	1	1	4	1	0	0	0	0	-1	-1	-1	-1
Percent Difference	0.1%	0.2%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative C	778	783	798	811	837	859	884	897	888	849	822	784
Difference	0	0	4	3	2	0	0	0	-2	-2	0	-2
Percent Difference	0.0%	-0.1%	0.5%	0.4%	0.2%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.2%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative C	772	779	795	791	813	834	864	879	870	829	795	775
Difference	3	4	1	8	5	3	3	3	1	1	4	2
Percent Difference	0.5%	0.5%	0.1%	1.0%	0.6%	0.4%	0.3%	0.4%	0.2%	0.2%	0.5%	0.2%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative C	700	710	739	768	791	821	837	842	826	774	724	703
Difference	4	4	7	5	5	5	5	6	7	10	6	0
Percent Difference	0.5%	0.5%	0.9%	0.7%	0.6%	0.6%	0.6%	0.7%	0.9%	1.3%	0.8%	0.0%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative C	658	662	680	736	747	762	764	761	741	691	671	663
Difference	8	8	9	7	8	5	7	7	8	8	9	11
Percent Difference	1.3%	1.3%	1.3%	0.9%	1.0%	0.7%	0.9%	0.9%	1.1%	1.2%	1.4%	1.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-19-7b
Lake Oroville, End of Month Elevation
Probability of Exceedance

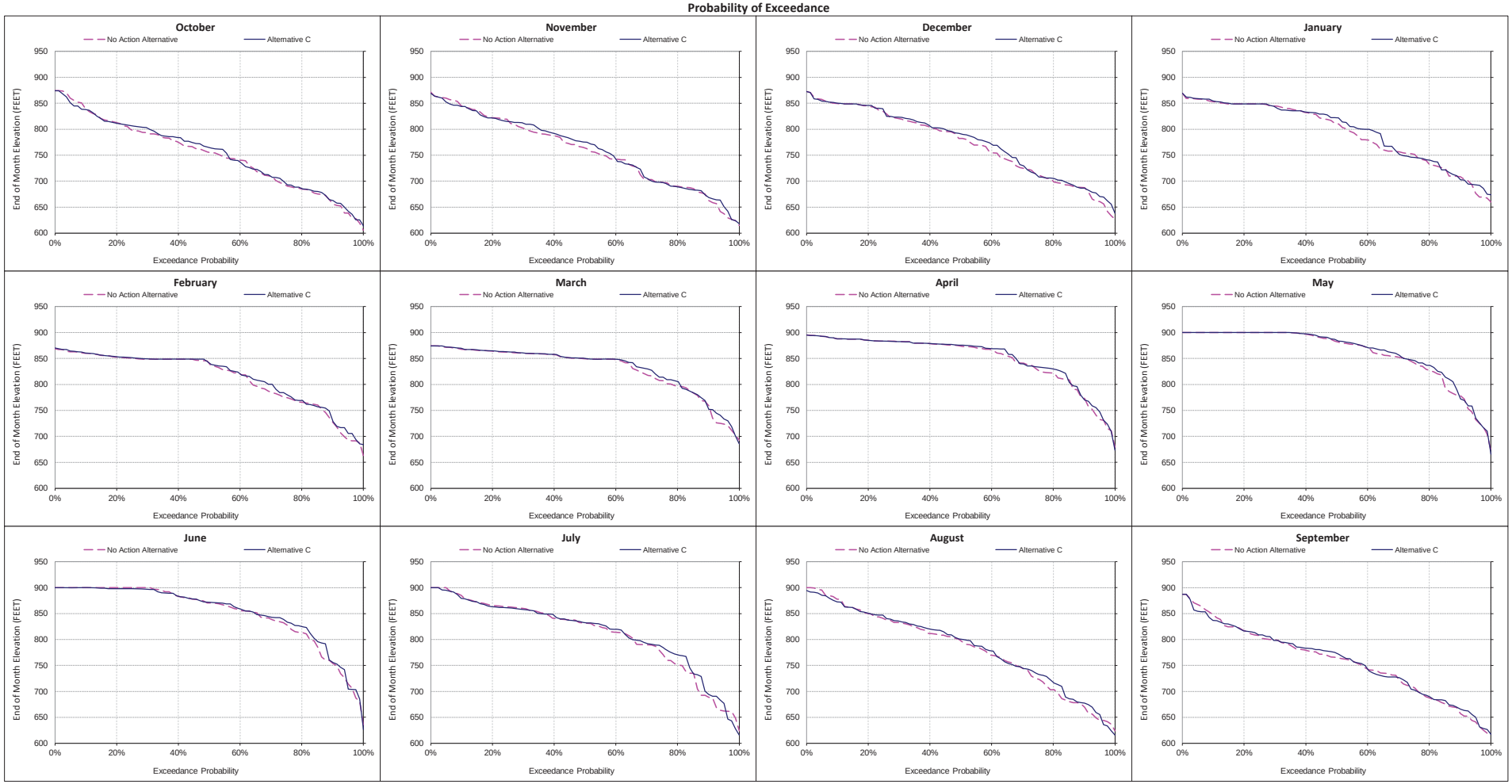

Table SW-19-7b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	873	868	-5	-0.6%
3.7%	870	862	-8	-0.9%
4.9%	860	851	-9	-1.0%
6.2%	856	845	-11	-1.2%
7.4%	852	845	-7	-0.8%
8.6%	850	839	-12	-1.4%
9.9%	840	838	-2	-0.2%
11.1%	834	836	2	0.3%
12.3%	830	832	1	0.2%
13.6%	828	825	-3	-0.4%
14.8%	821	821	0	0.0%
16.0%	818	816	-2	-0.3%
17.3%	816	815	-1	-0.1%
18.5%	815	813	-1	-0.2%
19.8%	813	812	-1	-0.1%
21.0%	811	810	-1	-0.1%
22.2%	806	809	3	0.4%
23.5%	805	808	3	0.4%
24.7%	799	807	8	1.0%
25.9%	797	806	9	1.1%
27.2%	797	805	8	1.0%
28.4%	794	804	10	1.2%
29.6%	793	803	10	1.3%
30.9%	791	799	8	1.0%
32.1%	791	796	5	0.7%
33.3%	790	792	2	0.3%
34.6%	785	788	3	0.4%
35.8%	783	786	3	0.4%
37.0%	783	786	3	0.3%
38.3%	778	786	7	1.0%
39.5%	777	784	7	1.0%
40.7%	772	784	11	1.5%
42.0%	768	777	9	1.2%
43.2%	767	777	10	1.3%
44.4%	767	774	8	1.0%
45.7%	763	772	9	1.2%
46.9%	762	772	10	1.3%
48.1%	759	767	8	1.1%
49.4%	756	766	9	1.3%
50.6%	755	764	9	1.2%
51.9%	754	762	8	1.1%
53.1%	751	762	11	1.4%
54.3%	748	761	13	1.7%
55.6%	744	754	9	1.3%
56.8%	744	742	-2	-0.3%
58.0%	743	740	-3	-0.4%
59.3%	740	740	0	0.0%
60.5%	740	735	-6	-0.7%
61.7%	739	728	-11	-1.5%
63.0%	729	726	-4	-0.5%
64.2%	725	723	-1	-0.2%
65.4%	718	723	4	0.6%
66.7%	716	719	2	0.3%
67.9%	711	713	2	0.2%
69.1%	710	713	2	0.3%
70.4%	709	707	-1	-0.2%
71.6%	701	707	6	0.8%
72.8%	697	705	8	1.1%
74.1%	695	700	5	0.7%
75.3%	690	693	2	0.3%
76.5%	689	693	3	0.5%
77.8%	687	689	2	0.2%
79.0%	686	688	2	0.3%
80.2%	684	685	1	0.1%
81.5%	684	685	1	0.1%
82.7%	681	683	2	0.2%
84.0%	677	681	4	0.5%
85.2%	675	680	5	0.8%
86.4%	675	678	3	0.5%
87.7%	672	673	0	0.1%
88.9%	664	665	0	0.0%
90.1%	656	663	7	1.1%
91.4%	653	658	4	0.7%
92.6%	652	657	5	0.7%
93.8%	639	650	11	1.8%
95.1%	639	642	3	0.5%
96.3%	629	636	7	1.2%
97.5%	628	626	-2	-0.4%
98.8%	619	625	6	1.0%
100.0%	605	614	8	1.4%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	869	-2	-0.2%
1.2%	864	864	0	0.0%
2.5%	862	862	0	0.0%
3.7%	861	860	-1	-0.1%
4.9%	860	853	-7	-0.8%
6.2%	857	849	-8	-1.0%
7.4%	856	846	-10	-1.1%
8.6%	854	846	-7	-0.9%
9.9%	845	844	-1	-0.1%
11.1%	841	844	2	0.3%
12.3%	841	839	-1	-0.2%
13.6%	838	836	-2	-0.2%
14.8%	838	836	-2	-0.2%
16.0%	833	827	-6	-0.7%
17.3%	827	824	-2	-0.3%
18.5%	824	822	-2	-0.3%
19.8%	822	822	-1	-0.1%
21.0%	822	821	-1	-0.1%
22.2%	821	818	-3	-0.3%
23.5%	820	816	-3	-0.4%
24.7%	819	815	-4	-0.5%
25.9%	811	815	3	0.4%
27.2%	810	813	4	0.5%
28.4%	805	813	8	1.0%
29.6%	803	813	10	1.2%
30.9%	800	810	10	1.3%
32.1%	797	810	13	1.6%
33.3%	794	808	14	1.7%
34.6%	793	803	10	1.2%
35.8%	791	798	7	0.9%
37.0%	790	797	7	0.8%
38.3%	789	794	5	0.7%
39.5%	787	793	5	0.6%
40.7%	787	791	4	0.5%
42.0%	784	787	3	0.4%
43.2%	775	786	11	1.4%
44.4%	773	784	11	1.4%
45.7%	771	781	10	1.3%
46.9%	770	778	7	1.0%
48.1%	767	777	10	1.3%
49.4%	765	775	10	1.3%
50.6%	763	775	12	1.6%
51.9%	757	771	14	1.9%
53.1%	756	770	14	1.9%
54.3%	753	763	10	1.3%
55.6%	750	761	11	1.4%
56.8%	749	757	8	1.0%
58.0%	743	753	10	1.4%
59.3%	742	748	6	0.8%
60.5%	742	738	-4	-0.6%
61.7%	741	737	-4	-0.6%
63.0%	741	734	-8	-1.0%
64.2%	732	732	0	0.0%
65.4%	729	731	2	0.3%
66.7%	728	726	-1	-0.2%
67.9%	713	723	11	1.5%
69.1%	704	708	4	0.6%
70.4%	703	704	1	0.2%
71.6%	703	700	-3	-0.4%
72.8%	699	698	0	-0.1%
74.1%	699	698	-1	-0.1%
75.3%	697	697	0	0.1%
76.5%	697	694	-3	-0.4%
77.8%	691	690	-1	-0.1%
79.0%	691	690	-1	-0.1%
80.2%	690	689	-1	-0.1%
81.5%	688	687	-1	-0.2%
82.7%	688	686	-2	-0.3%
84.0%	687	684	-3	-0.5%
85.2%	686	683	-2	-0.3%
86.4%	679	683	4	0.5%
87.7%	678	682	4	0.6%
88.9%	675	674	-1	-0.2%
90.1%	662	668	6	0.9%
91.4%	659	666	7	1.1%
92.6%	657	664	7	1.1%
93.8%	642	664	22	3.5%
95.1%	637	651	13	2.1%
96.3%	629	642	13	2.1%
97.5%	626	626	0	0.0%
98.8%	624	624	0	0.0%
100.0%	615	618	4	0.6%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	873	0	0.0%
1.2%	871	871	0	0.0%
2.5%	861	858	-3	-0.3%
3.7%	858	858	-1	-0.1%
4.9%	858	854	-3	-0.4%
6.2%	854	853	-1	-0.1%
7.4%	852	852	0	-0.1%
8.6%	850	852	2	0.2%
9.9%	850	850	0	0.0%
11.1%	849	850	1	0.1%
12.3%	849	849	0	0.0%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	847	847	-1	-0.1%
18.5%	845	846	1	0.1%
19.8%	845	846	1	0.1%
21.0%	843	846	2	0.3%
22.2%	843	840	-2	-0.3%
23.5%	836	840	4	0.5%
24.7%	835	839	5	0.5%
25.9%	830	825	-5	-0.6%
27.2%	823	825	2	0.3%
28.4%	822	824	1	0.2%
29.6%	821	823	3	0.3%
30.9%	819	823	3	0.4%
32.1%	816	821	4	0.5%
33.3%	815	820	5	0.6%
34.6%	814	818	4	0.5%
35.8%	812	815	3	0.4%
37.0%	808	813	5	0.6%
38.3%	807	812	4	0.5%
39.5%	805	808	3	0.4%
40.7%	802	803	1	0.1%
42.0%	801	803	2	0.2%
43.2%	797	802	6	0.7%
44.4%	796	801	5	0.7%
45.7%	795	797	2	0.3%
46.9%	795	796	1	0.1%
48.1%	792	793	1	0.2%
49.4%	782	792	10	1.2%
50.6%	782	790	8	1.0%
51.9%	780	789	9	1.1%
53.1%	775	787	12	1.6%
54.3%	770	784	15	1.9%
55.6%	769	780	10	1.4%
56.8%	769	779	10	1.3%
58.0%	767	776	10	1.3%
59.3%	756	774	18	2.4%
60.5%	754	769	15	2.0%
61.7%	754	769	15	2.0%
63.0%	744	762	18	2.5%
64.2%	743	757	14	1.9%
65.4%	740	752	12	1.6%
66.7%	738	746	8	1.1%
67.9%	729	745	16	2.2%
69.1%	726	732	6	0.8%
70.4%	725	730	5	0.7%
71.6%	723	722	-1	-0.2%
72.8%	721	717	-4	-0.5%
74.1%	715	715	0	0.0%
75.3%	711	708	-3	-0.5%
76.5%	709	708	-1	-0.1%
77.8%	705	706	1	0.1%
79.0%	705	706	1	0.1%
80.2%	698	705	7	1.0%
81.5%	697	702	5	0.8%
82.7%	696	702	6	0.8%
84.0%	693	698	6	0.8%
85.2%	693	695	3	0.4%
86.4%	690	692	2	0.3%
87.7%	688	688	0	0.0%
88.9%	688	686	-2	-0.2%
90.1%	687	686	-1	-0.2%
91.4%	679	683	4	0.5%
92.6%	666	679	13	2.0%
93.8%	661	677	16	2.4%
95.1%	661	670	10	1.5%
96.3%	656	669	13	2.0%
97.5%	641	662	21	3.2%
98.8%	633	656	23	3.6%
100.0%	627	638	12	1.9%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	862	2	0.3%
2.5%	859	861	2	0.3%
3.7%	859	859	0	0.0%
4.9%	858	859	1	0.1%
6.2%	858	858	1	0.1%
7.4%	857	858	1	0.1%
8.6%	854	858	4	0.4%
9.9%	853	854	1	0.1%
11.1%	853	853	1	0.1%
12.3%	850	853	2	0.3%
13.6%	850	850	0	0.0%
14.8%	849	850	1	0.2%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	848	849	1	0.1%
28.4%	845	846	1	0.1%
29.6%	845	845	0	0.0%
30.9%	844	840	-5	-0.5%
32.1%	842	837	-5	-0.6%
33.3%	840	837	-3	-0.4%
34.6%	840	836	-4	-0.4%
35.8%	838	836	-2	-0.3%
37.0%	836	835	-1	-0.1%
38.3%	836	835	0	0.0%
39.5%	833	834	1	0.1%
40.7%	832	832	1	0.1%
42.0%	829	832	3	0.4%
43.2%	829	832	3	0.3%
44.4%	822	829	8	0.9%
45.7%	820	829	9	1.1%
46.9%	819	828	9	1.1%
48.1%	817	822	5	0.7%
49.4%	811	822	11	1.4%
50.6%	810	822	12	1.5%
51.9%	803	814	10	1.3%
53.1%	801	813	12	1.5%
54.3%	796	805	9	1.2%
55.6%	793	805	12	1.5%
56.8%	787	801	14	1.8%
58.0%	780	800	20	2.6%
59.3%	780	800	20	2.6%
60.5%	779	800	21	2.7%
61.7%	774	798	23	3.0%
63.0%	770	794	24	3.1%
64.2%	761	792	30	4.0%
65.4%	760	768	8	1.1%
66.7%	758	767	9	1.2%
67.9%	758	767	9	1.2%
69.1%	757	759	2	0.2%
70.4%	757	751	-5	-0.7%
71.6%	754	749	-5	-0.7%
72.8%	753	748	-5	-0.7%
74.1%	753	746	-7	-0.9%
75.3%	752	746	-6	-0.8%
76.5%	743	745	2	0.2%
77.8%	742	744	2	0.2%
79.0%	740	741	1	0.2%
80.2%	731	740	10	1.3%
81.5%	731	738	7	1.0%
82.7%	729	737	8	1.2%
84.0%	726	722	-4	-0.6%
85.2%	725	721	-3	-0.5%
86.4%	710	717	7	1.0%
87.7%	710	713	3	0.4%
88.9%	710	710	1	0.1%
90.1%	709	703	-6	-0.8%
91.4%	703	702	-1	-0.2%
92.6%	701	694	-6	-0.9%
93.8%	693	694	1	0.1%
95.1%	677	693	16	2.4%
96.3%	669	692	23	3.4%
97.5%	669	686	17	2.5%
98.8%	667	675	7	1.1%
100.0%	660	674	14	2.1%

Table SW-19-7b

Lake Oroville, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	870	2	0.2%
1.2%	867	869	1	0.2%
2.5%	867	867	0	0.0%
3.7%	864	867	3	0.4%
4.9%	863	864	1	0.2%
6.2%	863	864	1	0.1%
7.4%	862	863	1	0.1%
8.6%	861	862	2	0.2%
9.9%	860	861	1	0.1%
11.1%	860	860	0	0.0%
12.3%	859	859	1	0.1%
13.6%	858	858	0	0.0%
14.8%	856	857	1	0.1%
16.0%	856	856	0	0.0%
17.3%	855	855	0	0.0%
18.5%	853	854	1	0.1%
19.8%	853	853	1	0.1%
21.0%	852	853	1	0.1%
22.2%	852	853	1	0.1%
23.5%	851	852	1	0.2%
24.7%	850	852	1	0.2%
25.9%	850	850	0	0.1%
27.2%	849	850	1	0.1%
28.4%	849	850	1	0.1%
29.6%	849	849	1	0.1%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	847	849	2	0.2%
46.9%	846	849	2	0.3%
48.1%	846	849	3	0.3%
49.4%	845	844	-2	-0.2%
50.6%	836	838	3	0.3%
51.9%	835	837	2	0.2%
53.1%	833	835	3	0.3%
54.3%	829	835	6	0.8%
55.6%	828	834	6	0.8%
56.8%	826	827	1	0.1%
58.0%	822	825	3	0.3%
59.3%	822	824	1	0.2%
60.5%	818	818	-1	-0.1%
61.7%	818	816	-2	-0.3%
63.0%	807	815	8	1.0%
64.2%	799	810	11	1.4%
65.4%	796	808	12	1.5%
66.7%	793	807	14	1.7%
67.9%	792	805	14	1.7%
69.1%	787	801	13	1.7%
70.4%	784	800	16	2.1%
71.6%	782	791	9	1.1%
72.8%	779	784	5	0.6%
74.1%	775	784	9	1.1%
75.3%	774	780	6	0.7%
76.5%	772	776	4	0.5%
77.8%	769	770	1	0.1%
79.0%	766	769	3	0.4%
80.2%	765	769	4	0.5%
81.5%	764	762	-3	-0.3%
82.7%	763	761	-2	-0.3%
84.0%	762	759	-2	-0.3%
85.2%	760	757	-4	-0.5%
86.4%	752	756	4	0.5%
87.7%	746	754	8	1.1%
88.9%	736	749	13	1.7%
90.1%	727	728	2	0.2%
91.4%	718	719	2	0.2%
92.6%	706	717	10	1.5%
93.8%	699	717	17	2.5%
95.1%	693	705	13	1.8%
96.3%	692	705	14	2.0%
97.5%	691	694	3	0.4%
98.8%	688	685	-2	-0.3%
100.0%	663	684	21	3.2%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	874	874	0	0.0%
3.7%	872	874	2	0.2%
4.9%	872	872	1	0.1%
6.2%	871	872	0	0.0%
7.4%	870	871	1	0.1%
8.6%	870	870	1	0.1%
9.9%	868	870	2	0.3%
11.1%	867	868	0	0.0%
12.3%	867	867	0	0.0%
13.6%	867	867	0	0.0%
14.8%	866	867	1	0.1%
16.0%	865	866	1	0.1%
17.3%	865	865	0	0.0%
18.5%	865	865	0	0.0%
19.8%	864	865	0	0.0%
21.0%	863	864	1	0.2%
22.2%	863	863	0	0.0%
23.5%	863	863	1	0.1%
24.7%	862	863	0	0.1%
25.9%	862	863	1	0.1%
27.2%	861	862	2	0.2%
28.4%	861	861	0	0.0%
29.6%	860	861	1	0.1%
30.9%	860	860	0	0.0%
32.1%	859	860	0	0.1%
33.3%	859	859	0	0.0%
34.6%	859	859	0	0.0%
35.8%	859	859	0	0.0%
37.0%	858	859	1	0.1%
38.3%	858	858	0	0.0%
39.5%	858	858	0	0.0%
40.7%	857	858	1	0.1%
42.0%	854	854	0	0.0%
43.2%	853	853	0	0.0%
44.4%	852	852	0	0.0%
45.7%	851	851	1	0.1%
46.9%	851	851	1	0.1%
48.1%	851	851	0	0.0%
49.4%	850	851	1	0.1%
50.6%	849	849	0	0.0%
51.9%	849	849	0	0.0%
53.1%	849	849	0	0.0%
54.3%	849	849	0	0.0%
55.6%	849	849	0	0.0%
56.8%	849	849	0	0.0%
58.0%	849	849	0	0.0%
59.3%	849	849	0	0.0%
60.5%	847	849	2	0.2%
61.7%	845	847	2	0.2%
63.0%	842	845	3	0.4%
64.2%	841	842	1	0.1%
65.4%	831	842	11	1.4%
66.7%	828	834	6	0.7%
67.9%	824	833	9	1.1%
69.1%	821	831	10	1.3%
70.4%	817	830	12	1.5%
71.6%	816	827	11	1.3%
72.8%	811	820	9	1.1%
74.1%	807	814	7	0.8%
75.3%	807	814	7	0.9%
76.5%	801	809	8	1.0%
77.8%	801	809	8	1.1%
79.0%	798	807	10	1.2%
80.2%	796	805	9	1.2%
81.5%	796	792	-3	-0.4%
82.7%	794	790	-3	-0.4%
84.0%	788	787	-1	-0.1%
85.2%	783	784	0	0.0%
86.4%	779	780	1	0.2%
87.7%	769	774	5	0.7%
88.9%	768	769	2	0.2%
90.1%	759	752	-7	-0.9%
91.4%	735	752	17	2.3%
92.6%	726	745	19	2.6%
93.8%	725	741	16	2.2%
95.1%	724	733	10	1.4%
96.3%	721	730	9	1.3%
97.5%	711	719	7	1.0%
98.8%	702	701	-2	-0.2%
100.0%	693	686	-7	-1.1%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	894	894	0	0.0%
4.9%	893	893	0	0.0%
6.2%	892	892	0	0.0%
7.4%	890	890	0	0.0%
8.6%	890	890	0	0.0%
9.9%	888	888	0	0.0%
11.1%	888	888	0	0.0%
12.3%	888	888	0	0.0%
13.6%	887	887	0	0.0%
14.8%	887	887	0	0.0%
16.0%	887	887	0	0.0%
17.3%	887	887	0	0.0%
18.5%	886	886	0	0.0%
19.8%	885	885	0	0.0%
21.0%	884	884	0	0.0%
22.2%	884	884	0	0.0%
23.5%	884	884	0	0.0%
24.7%	883	883	0	0.0%
25.9%	883	883	0	0.0%
27.2%	883	883	0	0.0%
28.4%	883	883	0	0.0%
29.6%	883	883	0	0.0%
30.9%	882	882	0	0.0%
32.1%	882	882	0	0.0%
33.3%	882	882	0	0.0%
34.6%	880	880	0	0.0%
35.8%	879	879	0	0.0%
37.0%	879	879	0	0.0%
38.3%	879	879	0	0.0%
39.5%	879	879	0	0.0%
40.7%	878	879	1	0.1%
42.0%	877	878	1	0.1%
43.2%	877	877	0	0.0%
44.4%	877	877	0	0.0%
45.7%	876	877	1	0.1%
46.9%	876	877	1	0.2%
48.1%	876	876	1	0.1%
49.4%	875	876	1	0.1%
50.6%	873	876	3	0.3%
51.9%	873	875	2	0.3%
53.1%	872	875	2	0.3%
54.3%	872	873	2	0.2%
55.6%	870	873	3	0.4%
56.8%	869	873	4	0.4%
58.0%	868	870	2	0.2%
59.3%	868	869	1	0.2%
60.5%	865	869	4	0.4%
61.7%	861	869	8	0.9%
63.0%	859	868	9	1.1%
64.2%	856	868	12	1.4%
65.4%	854	858	4	0.5%
66.7%	852	857	6	0.7%
67.9%	841	850	8	1.0%
69.1%	841	840	-1	-0.1%
70.4%	841	840	-1	-0.1%
71.6%	838	836	-2	-0.2%
72.8%	837	836	-2	-0.2%
74.1%	831	834	3	0.4%
75.3%	826	833	7	0.8%
76.5%	824	832	8	1.0%
77.8%	823	832	9	1.1%
79.0%	822	831	9	1.1%
80.2%	822	829	7	0.9%
81.5%	812	828	15	1.9%
82.7%	811	825	14	1.7%
84.0%	809	821	12	1.5%
85.2%	809	804	-5	-0.6%
86.4%	791	797	7	0.8%
87.7%	790	796	6	0.7%
88.9%	776	779	3	0.4%
90.1%	773	770	-3	-0.4%
91.4%	757	768	10	1.4%
92.6%	752	759	7	0.9%
93.8%	741	756	15	2.0%
95.1%	732	747	15	2.0%
96.3%	731	731	0	0.0%
97.5%	715	724	8	1.2%
98.8%	711	709	-1	-0.2%
100.0%	679	673	-6	-0.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	900	0	0.0%
28.4%	900	900	0	0.0%
29.6%	900	900	0	0.0%
30.9%	900	900	0	0.0%
32.1%	900	900	0	0.0%
33.3%	900	900	0	0.0%
34.6%	900	900	0	0.0%
35.8%	899	900	0	0.0%
37.0%	899	899	0	0.0%
38.3%	898	898	0	0.0%
39.5%	897	898	1	0.1%
40.7%	896	897	1	0.1%
42.0%	895	896	1	0.2%
43.2%	891	895	3	0.4%
44.4%	891	892	1	0.1%
45.7%	889	891	3	0.3%
46.9%	888	891	3	0.3%
48.1%	887	888	1	0.1%
49.4%	883	887	3	0.4%
50.6%	881	883	2	0.2%
51.9%	879	883	4	0.4%
53.1%	879	881	2	0.3%
54.3%	877	881	3	0.4%
55.6%	877	879	2	0.2%
56.8%	876	877	1	0.1%
58.0%	875	875	0	0.0%
59.3%	872	873	0	0.0%
60.5%	871	870	0	0.0%
61.7%	861	870	9	1.1%
63.0%	859	868	9	1.0%
64.2%	859	866	7	0.9%
65.4%	856	866	10	1.2%
66.7%	855	863	7	0.9%
67.9%	854	861	7	0.8%
69.1%	854	860	7	0.8%
70.4%	852	856	4	0.5%
71.6%	851	850	-1	-0.1%
72.8%	849	849	0	0.0%
74.1%	845	847	2	0.3%
75.3%	841	846	5	0.6%
76.5%	836	841	5	0.6%
77.8%	835	841	6	0.8%
79.0%	829	837	8	1.0%
80.2%	827	837	10	1.2%
81.5%	824	833	8	1.0%
82.7%	820	826	5	0.7%
84.0%	818	823	5	0.6%
85.2%	794	814	20	2.6%
86.4%	787	810	23	3.0%
87.7%	783	805	23	2.9%
88.9%	780	790	11	1.4%
90.1%	778	772	-6	-0.8%
91.4%	772	769	-3	-0.4%
92.6%	753	759	5	0.7%
93.8%	747	758	11	1.5%
95.1%	732	735	2	0.3%
96.3%	725	726	1	0.1%
97.5%	718	717	-1	-0.2%
98.8%	705	710	5	0.7%
100.0%	672	666	-7	-1.0%

Table SW-19-7b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	899	-1	-0.1%
16.0%	900	899	-1	-0.1%
17.3%	900	898	-2	-0.2%
18.5%	900	898	-2	-0.2%
19.8%	900	898	-2	-0.2%
21.0%	900	898	-2	-0.2%
22.2%	900	898	-2	-0.2%
23.5%	900	898	-2	-0.2%
24.7%	900	898	-2	-0.2%
25.9%	900	898	-2	-0.2%
27.2%	900	898	-2	-0.2%
28.4%	900	897	-3	-0.3%
29.6%	900	897	-3	-0.3%
30.9%	900	896	-3	-0.4%
32.1%	897	896	-1	-0.1%
33.3%	896	892	-4	-0.5%
34.6%	895	890	-5	-0.5%
35.8%	892	890	-3	-0.3%
37.0%	892	889	-3	-0.3%
38.3%	887	889	2	0.2%
39.5%	884	884	0	0.0%
40.7%	882	882	0	0.0%
42.0%	881	882	1	0.1%
43.2%	881	879	-1	-0.2%
44.4%	878	878	1	0.1%
45.7%	878	878	1	0.1%
46.9%	876	875	-1	-0.2%
48.1%	875	873	-2	-0.2%
49.4%	871	872	1	0.2%
50.6%	870	872	1	0.2%
51.9%	870	871	1	0.1%
53.1%	869	871	2	0.2%
54.3%	867	870	3	0.3%
55.6%	865	869	4	0.4%
56.8%	863	869	6	0.7%
58.0%	860	863	4	0.4%
59.3%	858	861	2	0.3%
60.5%	855	858	3	0.3%
61.7%	855	855	0	0.0%
63.0%	854	855	0	0.0%
64.2%	853	853	0	0.0%
65.4%	851	848	-3	-0.4%
66.7%	843	847	4	0.5%
67.9%	842	846	4	0.5%
69.1%	841	844	3	0.3%
70.4%	838	843	4	0.5%
71.6%	836	842	7	0.8%
72.8%	834	842	8	0.9%
74.1%	832	839	7	0.8%
75.3%	828	833	6	0.7%
76.5%	820	832	12	1.4%
77.8%	815	827	12	1.4%
79.0%	814	827	13	1.6%
80.2%	813	824	11	1.4%
81.5%	811	823	12	1.5%
82.7%	798	812	14	1.7%
84.0%	797	803	5	0.7%
85.2%	785	796	11	1.4%
86.4%	766	793	27	3.6%
87.7%	761	792	31	4.1%
88.9%	760	760	1	0.1%
90.1%	753	756	2	0.3%
91.4%	749	752	3	0.5%
92.6%	734	746	12	1.7%
93.8%	726	742	16	2.2%
95.1%	714	704	-9	-1.3%
96.3%	706	704	-2	-0.3%
97.5%	687	703	16	2.3%
98.8%	681	685	4	0.6%
100.0%	635	627	-8	-1.3%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	896	-4	-0.5%
4.9%	900	895	-5	-0.6%
6.2%	894	893	-1	-0.1%
7.4%	890	892	2	0.3%
8.6%	889	887	-2	-0.2%
9.9%	885	879	-6	-0.7%
11.1%	878	879	0	0.0%
12.3%	877	876	-1	-0.1%
13.6%	875	874	-1	-0.1%
14.8%	872	873	1	0.1%
16.0%	871	869	-2	-0.2%
17.3%	870	868	-2	-0.2%
18.5%	867	865	-3	-0.3%
19.8%	865	863	-2	-0.3%
21.0%	865	863	-2	-0.3%
22.2%	865	862	-3	-0.3%
23.5%	864	862	-2	-0.2%
24.7%	863	862	-2	-0.2%
25.9%	863	861	-2	-0.2%
27.2%	862	860	-2	-0.2%
28.4%	861	859	-2	-0.2%
29.6%	860	858	-3	-0.3%
30.9%	859	857	-2	-0.2%
32.1%	856	856	0	0.0%
33.3%	856	855	-1	-0.1%
34.6%	854	850	-3	-0.4%
35.8%	851	849	-2	-0.2%
37.0%	850	849	-1	-0.1%
38.3%	846	849	3	0.3%
39.5%	841	849	7	0.9%
40.7%	840	842	2	0.3%
42.0%	839	840	1	0.1%
43.2%	839	840	1	0.1%
44.4%	838	837	-1	-0.1%
45.7%	838	837	-2	-0.2%
46.9%	837	836	-2	-0.2%
48.1%	833	835	2	0.2%
49.4%	832	833	1	0.1%
50.6%	831	832	0	0.1%
51.9%	831	832	1	0.1%
53.1%	827	831	4	0.5%
54.3%	826	830	4	0.5%
55.6%	823	828	5	0.6%
56.8%	822	826	4	0.5%
58.0%	815	820	5	0.7%
59.3%	814	820	5	0.7%
60.5%	814	819	6	0.7%
61.7%	813	818	5	0.6%
63.0%	811	810	-1	-0.2%
64.2%	807	803	-4	-0.6%
65.4%	803	800	-3	-0.3%
66.7%	791	799	8	1.0%
67.9%	790	798	7	0.9%
69.1%	790	794	4	0.5%
70.4%	790	792	2	0.3%
71.6%	789	791	2	0.2%
72.8%	787	789	3	0.4%
74.1%	779	789	10	1.3%
75.3%	771	785	14	1.8%
76.5%	760	779	19	2.5%
77.8%	760	775	16	2.1%
79.0%	754	772	18	2.4%
80.2%	751	771	20	2.6%
81.5%	750	769	19	2.5%
82.7%	738	768	29	4.0%
84.0%	735	745	11	1.4%
85.2%	735	734	-1	-0.1%
86.4%	704	732	28	4.0%
87.7%	693	729	36	5.2%
88.9%	692	700	8	1.2%
90.1%	689	694	5	0.8%
91.4%	687	691	4	0.6%
92.6%	668	691	22	3.3%
93.8%	664	683	20	3.0%
95.1%	662	677	15	2.2%
96.3%	662	647	-15	-2.3%
97.5%	661	643	-18	-2.7%
98.8%	648	628	-20	-3.1%
100.0%	624	616	-8	-1.3%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	894	-6	-0.6%
1.2%	900	892	-8	-0.9%
2.5%	899	891	-8	-0.9%
3.7%	896	890	-7	-0.7%
4.9%	895	885	-10	-1.1%
6.2%	885	884	-1	-0.1%
7.4%	885	879	-5	-0.6%
8.6%	883	875	-7	-0.8%
9.9%	878	873	-5	-0.6%
11.1%	877	872	-5	-0.6%
12.3%	864	863	-1	-0.1%
13.6%	863	862	-1	-0.1%
14.8%	862	862	-1	-0.1%
16.0%	859	858	0	0.0%
17.3%	857	854	-3	-0.4%
18.5%	852	853	1	0.1%
19.8%	850	851	1	0.1%
21.0%	849	849	0	0.0%
22.2%	844	848	4	0.5%
23.5%	843	847	4	0.4%
24.7%	841	847	6	0.7%
25.9%	837	840	3	0.4%
27.2%	837	839	2	0.2%
28.4%	833	836	4	0.4%
29.6%	833	836	3	0.4%
30.9%	832	834	2	0.2%
32.1%	830	833	3	0.3%
33.3%	829	830	1	0.2%
34.6%	825	829	4	0.5%
35.8%	823	826	3	0.4%
37.0%	819	825	6	0.7%
38.3%	818	823	5	0.6%
39.5%	812	821	9	1.1%
40.7%	811	819	8	1.0%
42.0%	810	818	8	1.0%
43.2%	808	818	9	1.2%
44.4%	808	815	7	0.8%
45.7%	806	809	3	0.4%
46.9%	805	809	4	0.5%
48.1%	803	804	1	0.2%
49.4%	800	801	1	0.1%
50.6%	795	800	5	0.7%
51.9%	791	799	8	1.0%
53.1%	790	797	8	1.0%
54.3%	786	788	2	0.3%
55.6%	785	788	2	0.3%
56.8%	782	787	5	0.7%
58.0%	778	781	4	0.5%
59.3%	770	778	8	1.0%
60.5%	769	778	9	1.1%
61.7%	768	767	-1	-0.1%
63.0%	765	763	-2	-0.3%
64.2%	760	757	-3	-0.3%
65.4%	756	754	-2	-0.3%
66.7%	755	752	-3	-0.4%
67.9%	750	748	-1	-0.2%
69.1%	747	748	0	0.0%
70.4%	743	744	0	0.1%
71.6%	741	743	2	0.2%
72.8%	730	740	11	1.5%
74.1%	725	736	11	1.5%
75.3%	723	733	9	1.3%
76.5%	718	731	13	1.8%
77.8%	711	729	18	2.6%
79.0%	703	722	19	2.7%
80.2%	703	716	13	1.8%
81.5%	696	713	17	2.4%
82.7%	686	710	23	3.4%
84.0%	683	689	6	0.9%
85.2%	680	686	6	0.9%
86.4%	678	685	6	0.9%
87.7%	678	680	2	0.3%
88.9%	676	678	2	0.3%
90.1%	670	678	8	1.2%
91.4%	658	674	17	2.6%
92.6%	656	669	13	2.0%
93.8%	649	659	10	1.6%
95.1%	644	656	12	1.8%
96.3%	644	636	-8	-1.2%
97.5%	641	633	-8	-1.2%
98.8%	637	624	-13	-2.0%
100.0%	624	616	-8	-1.3%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	879	877	-2	-0.2%
3.7%	871	857	-15	-1.7%
4.9%	867	854	-13	-1.5%
6.2%	864	854	-10	-1.2%
7.4%	858	854	-4	-0.5%
8.6%	853	842	-11	-1.3%
9.9%	849	837	-12	-1.4%
11.1%	842	836	-6	-0.7%
12.3%	839	833	-5	-0.6%
13.6%	827	830	3	0.4%
14.8%	824	830	5	0.7%
16.0%	824	828	3	0.4%
17.3%	824	825	1	0.1%
18.5%	822	821	-1	-0.2%
19.8%	818	817	-1	-0.1%
21.0%	815	816	0	0.1%
22.2%	811	815	4	0.5%
23.5%	809	814	4	0.5%
24.7%	808	809	1	0.1%
25.9%	802	809	7	0.8%
27.2%	801	806	5	0.6%
28.4%	800	805	5	0.6%
29.6%	800	798	-2	-0.2%
30.9%	798	798	0	0.0%
32.1%	794	795	1	0.1%
33.3%	792	794	2	0.3%
34.6%	790	793	3	0.3%
35.8%	786	792	6	0.8%
37.0%	781	786	5	0.6%
38.3%	781	785	4	0.5%
39.5%	780	783	3	0.4%
40.7%	778	783	5	0.6%
42.0%	776	782	6	0.7%
43.2%	776	781	5	0.6%
44.4%	772	781	9	1.1%
45.7%	772	778	7	0.9%
46.9%	769	777	8	1.1%
48.1%	766	777	11	1.4%
49.4%	766	775	10	1.3%
50.6%	764	772	7	1.0%
51.9%	763	767	4	0.6%
53.1%	762	763	1	0.2%
54.3%	760	763	3	0.4%
55.6%	758	757	-1	-0.1%
56.8%	754	755	2	0.2%
58.0%	751	753	2	0.3%
59.3%	745	750	4	0.6%
60.5%	741	739	-2	-0.3%
61.7%	741	736	-5	-0.7%
63.0%	740	733	-7	-1.0%
64.2%	736	731	-5	-0.7%
65.4%	735	729	-6	-0.8%
66.7%	735	728	-7	-0.9%
67.9%	731	728	-4	-0.5%
69.1%	731	728	-4	-0.5%
70.4%	721	726	5	0.7%
71.6%	714	722	8	1.1%
72.8%	711	718	6	0.9%
74.1%	711	704	-6	-0.9%
75.3%	707	702	-4	-0.6%
76.5%	699	698	0	-0.1%
77.8%	694	694	0	0.0%
79.0%	690	692	3	0.4%
80.2%	687	689	2	0.3%
81.5%	684	684	1	0.1%
82.7%	683	684	1	0.1%
84.0%	679	684	5	0.7%
85.2%	676	682	7	1.0%
86.4%	672	674	3	0.4%
87.7%	670	673	3	0.5%
88.9%	669	670	1	0.1%
90.1%	657	666	8	1.3%
91.4%	653	663	10	1.6%
92.6%	652	662	10	1.5%
93.8%	644	655	11	1.8%
95.1%	641	650	9	1.4%
96.3%	632	631	-1	-0.1%
97.5%	625	629	3	0.5%
98.8%	620	627	7	1.1%
100.0%	614	617	4	0.6%

Table SW-20-7a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,534	9,758	10,296	11,062	11,830	12,579	13,507	13,966	13,553	11,845	10,745	9,776
Alternative C	9,621	9,850	10,460	11,222	11,954	12,684	13,619	14,092	13,653	11,955	10,847	9,811
Difference	88	93	164	160	124	105	112	126	100	110	103	35
Percent Difference[3]	0.9%	1.0%	1.6%	1.4%	1.1%	0.8%	0.8%	0.9%	0.7%	0.9%	1.0%	0.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,847	12,023	12,241	12,918	13,543	13,827	15,023	15,703	15,620	14,426	13,760	12,187
Alternative C	11,859	12,056	12,396	12,960	13,545	13,827	15,023	15,703	15,577	14,381	13,721	12,132
Difference	12	34	156	42	2	0	0	0	-43	-45	-39	-55
Percent Difference	0.1%	0.3%	1.3%	0.3%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.3%	-0.3%	-0.5%
Above Normal (15%)												
No Action Alternative	10,387	10,592	10,976	11,576	12,691	13,776	14,982	15,670	15,320	13,416	12,098	10,669
Alternative C	10,371	10,574	11,125	11,720	12,777	13,794	15,001	15,670	15,228	13,325	12,093	10,601
Difference	-16	-18	149	144	86	18	18	0	-92	-90	-5	-68
Percent Difference	-0.2%	-0.2%	1.4%	1.2%	0.7%	0.1%	0.1%	0.0%	-0.6%	-0.7%	0.0%	-0.6%
Below Normal (17%)												
No Action Alternative	10,028	10,289	11,051	10,718	11,676	12,599	13,908	14,647	14,284	12,301	10,833	10,199
Alternative C	10,160	10,429	11,082	11,015	11,851	12,746	14,054	14,797	14,351	12,373	10,986	10,280
Difference	133	140	31	297	175	146	147	150	67	72	153	81
Percent Difference	1.3%	1.4%	0.3%	2.8%	1.5%	1.2%	1.1%	1.0%	0.5%	0.6%	1.4%	0.8%
Dry (22%)												
No Action Alternative	7,519	7,867	8,819	9,887	10,746	11,899	12,575	12,726	11,976	9,862	8,266	7,749
Alternative C	7,657	7,989	9,051	10,063	10,923	12,100	12,781	12,999	12,298	10,224	8,475	7,765
Difference	138	121	233	175	177	201	206	273	322	361	209	16
Percent Difference	1.8%	1.5%	2.6%	1.8%	1.6%	1.7%	1.6%	2.1%	2.7%	3.7%	2.5%	0.2%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	8,691	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative C	6,342	6,464	6,984	8,942	9,351	9,899	9,946	9,840	9,129	7,437	6,774	6,512
Difference	227	234	249	251	290	223	269	274	306	313	300	307
Percent Difference	3.7%	3.8%	3.7%	2.9%	3.2%	2.3%	2.8%	2.9%	3.5%	4.4%	4.6%	5.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-20-7b
Lake Oroville, End of Month Area
Probability of Exceedance

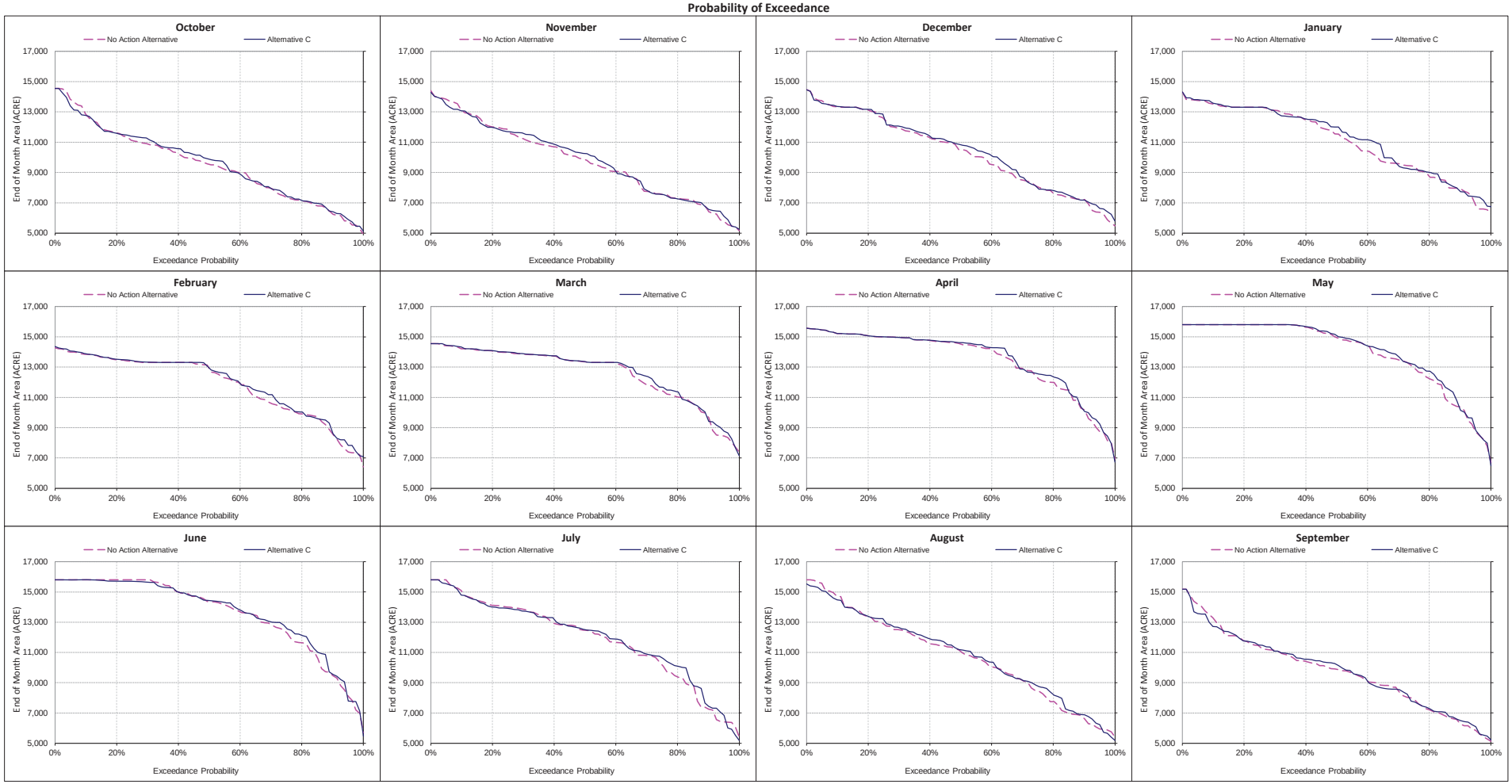

Table SW-20-7b
Lake Oroville, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,507	14,253	-254	-1.8%
3.7%	14,358	13,967	-391	-2.7%
4.9%	13,847	13,411	-436	-3.1%
6.2%	13,638	13,117	-521	-3.8%
7.4%	13,463	13,115	-348	-2.6%
8.6%	13,388	12,813	-575	-4.3%
9.9%	12,870	12,781	-89	-0.7%
11.1%	12,581	12,700	119	0.9%
12.3%	12,397	12,464	67	0.5%
13.6%	12,301	12,153	-148	-1.2%
14.8%	11,951	11,951	0	0.0%
16.0%	11,814	11,725	-89	-0.8%
17.3%	11,756	11,714	-42	-0.4%
18.5%	11,696	11,645	-52	-0.4%
19.8%	11,633	11,601	-32	-0.3%
21.0%	11,565	11,526	-39	-0.3%
22.2%	11,395	11,498	104	0.9%
23.5%	11,345	11,465	120	1.1%
24.7%	11,123	11,402	278	2.5%
25.9%	11,060	11,371	311	2.8%
27.2%	11,034	11,328	294	2.7%
28.4%	10,943	11,301	357	3.3%
29.6%	10,918	11,279	361	3.3%
30.9%	10,834	11,131	298	2.7%
32.1%	10,832	11,025	194	1.8%
33.3%	10,782	10,855	74	0.7%
34.6%	10,604	10,709	105	1.0%
35.8%	10,545	10,668	123	1.2%
37.0%	10,537	10,634	97	0.9%
38.3%	10,360	10,632	273	2.6%
39.5%	10,309	10,581	272	2.6%
40.7%	10,149	10,560	411	4.0%
42.0%	9,989	10,323	334	3.3%
43.2%	9,957	10,316	359	3.6%
44.4%	9,950	10,230	280	2.8%
45.7%	9,808	10,152	344	3.5%
46.9%	9,777	10,145	367	3.8%
48.1%	9,675	9,975	300	3.1%
49.4%	9,566	9,911	345	3.6%
50.6%	9,505	9,846	341	3.6%
51.9%	9,501	9,790	289	3.0%
53.1%	9,392	9,776	384	4.1%
54.3%	9,278	9,746	467	5.0%
55.6%	9,149	9,476	327	3.6%
56.8%	9,131	9,057	-74	-0.8%
58.0%	9,105	9,015	-90	-1.0%
59.3%	9,006	8,994	-12	-0.1%
60.5%	9,003	8,815	-188	-2.1%
61.7%	8,976	8,589	-387	-4.3%
63.0%	8,642	8,521	-121	-1.4%
64.2%	8,484	8,433	-51	-0.6%
65.4%	8,267	8,415	148	1.8%
66.7%	8,196	8,281	85	1.0%
67.9%	8,022	8,074	53	0.7%
69.1%	7,995	8,068	73	0.9%
70.4%	7,931	7,890	-41	-0.5%
71.6%	7,682	7,873	191	2.5%
72.8%	7,552	7,821	269	3.6%
74.1%	7,455	7,624	169	2.3%
75.3%	7,309	7,390	81	1.1%
76.5%	7,269	7,385	116	1.6%
77.8%	7,197	7,251	54	0.7%
79.0%	7,173	7,242	69	1.0%
80.2%	7,111	7,131	20	0.3%
81.5%	7,091	7,114	23	0.3%
82.7%	7,008	7,063	55	0.8%
84.0%	6,860	6,986	126	1.8%
85.2%	6,788	6,967	179	2.6%
86.4%	6,786	6,905	119	1.7%
87.7%	6,696	6,710	14	0.2%
88.9%	6,460	6,463	3	0.1%
90.1%	6,233	6,415	182	2.9%
91.4%	6,179	6,290	112	1.8%
92.6%	6,151	6,272	121	2.0%
93.8%	5,802	6,094	291	5.0%
95.1%	5,800	5,890	90	1.5%
96.3%	5,534	5,733	199	3.6%
97.5%	5,513	5,447	-67	-1.2%
98.8%	5,278	5,445	168	3.2%
100.0%	4,903	5,125	222	4.5%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,302	-105	-0.7%
1.2%	14,037	14,037	0	0.0%
2.5%	13,947	13,947	0	0.0%
3.7%	13,906	13,844	-62	-0.4%
4.9%	13,844	13,491	-353	-2.5%
6.2%	13,706	13,302	-403	-2.9%
7.4%	13,649	13,184	-465	-3.4%
8.6%	13,542	13,184	-358	-2.6%
9.9%	13,124	13,073	-50	-0.4%
11.1%	12,940	13,062	122	0.9%
12.3%	12,912	12,840	-72	-0.6%
13.6%	12,782	12,690	-92	-0.7%
14.8%	12,759	12,664	-95	-0.7%
16.0%	12,547	12,266	-281	-2.2%
17.3%	12,217	12,114	-103	-0.8%
18.5%	12,091	11,985	-106	-0.9%
19.8%	12,020	11,981	-39	-0.3%
21.0%	11,981	11,935	-46	-0.4%
22.2%	11,955	11,832	-123	-1.0%
23.5%	11,879	11,753	-126	-1.1%
24.7%	11,871	11,709	-162	-1.4%
25.9%	11,561	11,688	127	1.1%
27.2%	11,506	11,643	137	1.2%
28.4%	11,353	11,633	279	2.5%
29.6%	11,263	11,620	356	3.2%
30.9%	11,150	11,518	368	3.3%
32.1%	11,052	11,507	455	4.1%
33.3%	10,956	11,454	497	4.5%
34.6%	10,913	11,261	348	3.2%
35.8%	10,838	11,092	254	2.3%
37.0%	10,809	11,053	243	2.3%
38.3%	10,761	10,959	197	1.8%
39.5%	10,704	10,889	185	1.7%
40.7%	10,678	10,818	140	1.3%
42.0%	10,583	10,703	119	1.1%
43.2%	10,237	10,639	402	3.9%
44.4%	10,175	10,576	400	3.9%
45.7%	10,091	10,464	373	3.7%
46.9%	10,078	10,349	270	2.7%
48.1%	9,950	10,319	370	3.7%
49.4%	9,890	10,265	375	3.8%
50.6%	9,808	10,244	435	4.4%
51.9%	9,593	10,116	523	5.4%
53.1%	9,552	10,068	516	5.4%
54.3%	9,448	9,807	359	3.8%
55.6%	9,339	9,732	393	4.2%
56.8%	9,296	9,579	283	3.0%
58.0%	9,106	9,461	355	3.9%
59.3%	9,077	9,285	208	2.3%
60.5%	9,066	8,922	-144	-1.6%
61.7%	9,045	8,906	-139	-1.5%
63.0%	9,041	8,779	-262	-2.9%
64.2%	8,739	8,743	4	0.0%
65.4%	8,630	8,697	67	0.8%
66.7%	8,582	8,539	-43	-0.5%
67.9%	8,065	8,433	369	4.6%
69.1%	7,767	7,919	152	2.0%
70.4%	7,741	7,790	49	0.6%
71.6%	7,741	7,645	-96	-1.2%
72.8%	7,592	7,577	-14	-0.2%
74.1%	7,590	7,568	-22	-0.3%
75.3%	7,536	7,551	15	0.2%
76.5%	7,530	7,444	-85	-1.1%
77.8%	7,342	7,313	-29	-0.4%
79.0%	7,319	7,300	-20	-0.3%
80.2%	7,298	7,269	-29	-0.4%
81.5%	7,244	7,201	-43	-0.6%
82.7%	7,222	7,151	-71	-1.0%
84.0%	7,212	7,098	-114	-1.6%
85.2%	7,151	7,071	-80	-1.1%
86.4%	6,927	7,053	126	1.8%
87.7%	6,875	7,018	142	2.1%
88.9%	6,790	6,751	-39	-0.6%
90.1%	6,405	6,558	153	2.4%
91.4%	6,314	6,495	181	2.9%
92.6%	6,261	6,452	191	3.0%
93.8%	5,877	6,442	565	9.6%
95.1%	5,764	6,111	347	6.0%
96.3%	5,546	5,893	347	6.3%
97.5%	5,465	5,459	-6	-0.1%
98.8%	5,403	5,400	-4	-0.1%
100.0%	5,153	5,249	96	1.9%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,474	14,474	0	0.0%
1.2%	14,367	14,367	0	0.0%
2.5%	13,919	13,777	-142	-1.0%
3.7%	13,777	13,737	-40	-0.3%
4.9%	13,737	13,567	-170	-1.2%
6.2%	13,564	13,530	-34	-0.3%
7.4%	13,480	13,457	-22	-0.2%
8.6%	13,364	13,440	76	0.6%
9.9%	13,344	13,364	20	0.1%
11.1%	13,304	13,344	40	0.3%
12.3%	13,304	13,304	0	0.0%
13.6%	13,304	13,304	0	0.0%
14.8%	13,304	13,304	0	0.0%
16.0%	13,304	13,304	0	0.0%
17.3%	13,241	13,206	-35	-0.3%
18.5%	13,142	13,178	36	0.3%
19.8%	13,134	13,168	34	0.3%
21.0%	13,035	13,156	121	0.9%
22.2%	13,003	12,898	-104	-0.8%
23.5%	12,701	12,890	190	1.5%
24.7%	12,630	12,851	221	1.7%
25.9%	12,371	12,141	-230	-1.9%
27.2%	12,027	12,138	110	0.9%
28.4%	12,002	12,072	70	0.6%
29.6%	11,941	12,066	124	1.0%
30.9%	11,873	12,027	154	1.3%
32.1%	11,757	11,944	186	1.6%
33.3%	11,717	11,901	184	1.6%
34.6%	11,653	11,806	154	1.3%
35.8%	11,592	11,696	104	0.9%
37.0%	11,455	11,641	186	1.6%
38.3%	11,430	11,591	160	1.4%
39.5%	11,341	11,463	121	1.1%
40.7%	11,221	11,263	43	0.4%
42.0%	11,186	11,253	66	0.6%
43.2%	11,041	11,247	206	1.9%
44.4%	11,009	11,197	189	1.7%
45.7%	10,985	11,065	80	0.7%
46.9%	10,984	11,015	31	0.3%
48.1%	10,859	10,912	53	0.5%
49.4%	10,510	10,861	351	3.3%
50.6%	10,506	10,801	294	2.8%
51.9%	10,438	10,757	319	3.1%
53.1%	10,234	10,683	448	4.4%
54.3%	10,050	10,593	543	5.4%
55.6%	10,042	10,424	382	3.8%
56.8%	10,028	10,395	367	3.7%
58.0%	9,942	10,292	350	3.5%
59.3%	9,564	10,214	650	6.8%
60.5%	9,503	10,039	536	5.6%
61.7%	9,485	10,032	547	5.8%
63.0%	9,135	9,788	653	7.2%
64.2%	9,101	9,586	484	5.3%
65.4%	8,999	9,415	416	4.6%
66.7%	8,923	9,198	275	3.1%
67.9%	8,640	9,180	540	6.2%
69.1%	8,529	8,731	202	2.4%
70.4%	8,479	8,646	167	2.0%
71.6%	8,421	8,376	-45	-0.5%
72.8%	8,357	8,231	-126	-1.5%
74.1%	8,132	8,144	12	0.1%
75.3%	8,018	7,904	-114	-1.4%
76.5%	7,929	7,902	-28	-0.3%
77.8%	7,825	7,851	27	0.3%
79.0%	7,813	7,847	34	0.4%
80.2%	7,571	7,804	232	3.1%
81.5%	7,531	7,714	183	2.4%
82.7%	7,495	7,691	196	2.6%
84.0%	7,392	7,584	193	2.6%
85.2%	7,385	7,483	98	1.3%
86.4%	7,294	7,374	79	1.1%
87.7%	7,243	7,242	-1	0.0%
88.9%	7,236	7,179	-57	-0.8%
90.1%	7,212	7,175	-36	-0.5%
91.4%	6,927	7,051	125	1.8%
92.6%	6,487	6,919	432	6.7%
93.8%	6,383	6,867	484	7.6%
95.1%	6,365	6,631	265	4.2%
96.3%	6,247	6,594	347	5.6%
97.5%	5,873	6,400	527	9.0%
98.8%	5,655	6,243	588	10.4%
100.0%	5,475	5,792	317	5.8%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,314	0	0.0%
1.2%	13,821	13,937	117	0.8%
2.5%	13,811	13,923	112	0.8%
3.7%	13,801	13,821	20	0.1%
4.9%	13,757	13,811	53	0.4%
6.2%	13,751	13,778	27	0.2%
7.4%	13,714	13,757	43	0.3%
8.6%	13,577	13,751	173	1.3%
9.9%	13,524	13,577	53	0.4%
11.1%	13,497	13,524	27	0.2%
12.3%	13,387	13,497	110	0.8%
13.6%	13,374	13,387	13	0.1%
14.8%	13,304	13,374	70	0.5%
16.0%	13,304	13,304	0	0.0%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,301	13,304	3	0.0%
27.2%	13,257	13,301	44	0.3%
28.4%	13,107	13,152	46	0.3%
29.6%	13,100	13,099	-1	0.0%
30.9%	13,093	12,871	-222	-1.7%
32.1%	12,981	12,733	-248	-1.9%
33.3%	12,879	12,725	-154	-1.2%
34.6%	12,862	12,687	-174	-1.4%
35.8%	12,776	12,668	-107	-0.8%
37.0%	12,698	12,655	-43	-0.3%
38.3%	12,662	12,650	-12	-0.1%
39.5%	12,513	12,561	49	0.4%
40.7%	12,473	12,507	35	0.3%
42.0%	12,353	12,501	148	1.2%
43.2%	12,332	12,472	140	1.1%
44.4%	11,990	12,359	370	3.1%
45.7%	11,900	12,354	454	3.8%
46.9%	11,841	12,286	445	3.8%
48.1%	11,779	12,017	238	2.0%
49.4%	11,554	12,004	450	3.9%
50.6%	11,527	11,999	472	4.1%
51.9%	11,287	11,668	382	3.4%
53.1%	11,197	11,633	436	3.9%
54.3%	11,006	11,343	337	3.1%
55.6%	10,912	11,339	427	3.9%
56.8%	10,699	11,213	514	4.8%
58.0%	10,425	11,169	743	7.1%
59.3%	10,422	11,160	738	7.1%
60.5%	10,388	11,156	768	7.4%
61.7%	10,226	11,072	846	8.3%
63.0%	10,083	10,941	858	8.5%
64.2%	9,755	10,860	1,105	11.3%
65.4%	9,692	9,984	292	3.0%
66.7%	9,627	9,968	341	3.5%
67.9%	9,622	9,964	342	3.5%
69.1%	9,598	9,660	62	0.6%
70.4%	9,578	9,391	-187	-1.9%
71.6%	9,494	9,307	-186	-2.0%
72.8%	9,459	9,273	-186	-2.0%
74.1%	9,446	9,202	-244	-2.6%
75.3%	9,401	9,199	-202	-2.1%
76.5%	9,106	9,158	52	0.6%
77.8%	9,065	9,125	59	0.7%
79.0%	8,998	9,039	41	0.5%
80.2%	8,685	9,012	327	3.8%
81.5%	8,683	8,929	246	2.8%
82.7%	8,612	8,899	287	3.3%
84.0%	8,521	8,373	-148	-1.7%
85.2%	8,486	8,370	-116	-1.4%
86.4%	7,977	8,216	239	3.0%
87.7%	7,968	8,076	109	1.4%
88.9%	7,964	7,990	26	0.3%
90.1%	7,932	7,731	-201	-2.5%
91.4%	7,756	7,709	-47	-0.6%
92.6%	7,659	7,439	-219	-2.9%
93.8%	7,406	7,425	18	0.2%
95.1%	6,850	7,402	552	8.1%
96.3%	6,593	7,364	771	11.7%
97.5%	6,592	7,161	568	8.6%
98.8%	6,536	6,779	244	3.7%
100.0%	6,342	6,750	407	6.4%

Table SW-20-7b
Lake Oroville, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,359	89	0.6%
1.2%	14,207	14,271	64	0.4%
2.5%	14,201	14,206	6	0.0%
3.7%	14,041	14,201	160	1.1%
4.9%	14,001	14,065	65	0.5%
6.2%	13,997	14,041	44	0.3%
7.4%	13,967	14,001	33	0.2%
8.6%	13,884	13,967	83	0.6%
9.9%	13,851	13,884	33	0.2%
11.1%	13,847	13,851	3	0.0%
12.3%	13,790	13,827	37	0.3%
13.6%	13,761	13,761	0	0.0%
14.8%	13,660	13,687	27	0.2%
16.0%	13,644	13,644	0	0.0%
17.3%	13,624	13,624	0	0.0%
18.5%	13,531	13,557	26	0.2%
19.8%	13,495	13,531	36	0.3%
21.0%	13,474	13,501	27	0.2%
22.2%	13,451	13,494	44	0.3%
23.5%	13,411	13,474	63	0.5%
24.7%	13,387	13,451	63	0.5%
25.9%	13,364	13,387	23	0.2%
27.2%	13,335	13,364	29	0.2%
28.4%	13,304	13,359	55	0.4%
29.6%	13,304	13,338	33	0.3%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,304	3	0.0%
45.7%	13,214	13,304	90	0.7%
46.9%	13,185	13,304	119	0.9%
48.1%	13,157	13,301	143	1.1%
49.4%	13,140	13,053	-87	-0.7%
50.6%	12,678	12,801	123	1.0%
51.9%	12,632	12,719	87	0.7%
53.1%	12,517	12,650	133	1.1%
54.3%	12,317	12,627	310	2.5%
55.6%	12,266	12,580	314	2.6%
56.8%	12,195	12,232	36	0.3%
58.0%	12,011	12,149	137	1.1%
59.3%	12,011	12,081	71	0.6%
60.5%	11,831	11,806	-25	-0.2%
61.7%	11,831	11,750	-81	-0.7%
63.0%	11,414	11,716	302	2.6%
64.2%	11,115	11,526	412	3.7%
65.4%	11,026	11,457	431	3.9%
66.7%	10,900	11,397	497	4.6%
67.9%	10,856	11,356	500	4.6%
69.1%	10,692	11,179	487	4.6%
70.4%	10,577	11,174	598	5.6%
71.6%	10,505	10,825	321	3.1%
72.8%	10,411	10,581	170	1.6%
74.1%	10,266	10,577	311	3.0%
75.3%	10,220	10,423	203	2.0%
76.5%	10,143	10,285	142	1.4%
77.8%	10,034	10,063	29	0.3%
79.0%	9,930	10,037	107	1.1%
80.2%	9,898	10,028	129	1.3%
81.5%	9,855	9,763	-92	-0.9%
82.7%	9,820	9,748	-72	-0.7%
84.0%	9,770	9,682	-88	-0.9%
85.2%	9,720	9,586	-134	-1.4%
86.4%	9,406	9,545	140	1.5%
87.7%	9,206	9,500	294	3.2%
88.9%	8,879	9,307	428	4.8%
90.1%	8,548	8,602	54	0.6%
91.4%	8,243	8,301	58	0.7%
92.6%	7,855	8,206	351	4.5%
93.8%	7,612	8,206	594	7.8%
95.1%	7,395	7,826	430	5.8%
96.3%	7,351	7,824	473	6.4%
97.5%	7,342	7,428	86	1.2%
98.8%	7,214	7,143	-71	-1.0%
100.0%	6,412	7,096	683	10.7%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,551	14,554	3	0.0%
3.7%	14,454	14,551	97	0.7%
4.9%	14,421	14,454	33	0.2%
6.2%	14,411	14,421	10	0.1%
7.4%	14,361	14,411	50	0.3%
8.6%	14,331	14,361	30	0.2%
9.9%	14,221	14,331	110	0.8%
11.1%	14,207	14,221	13	0.1%
12.3%	14,204	14,207	3	0.0%
13.6%	14,191	14,204	13	0.1%
14.8%	14,131	14,191	60	0.4%
16.0%	14,104	14,131	27	0.2%
17.3%	14,101	14,104	3	0.0%
18.5%	14,091	14,101	10	0.1%
19.8%	14,071	14,091	20	0.1%
21.0%	14,007	14,071	63	0.5%
22.2%	13,994	14,014	20	0.1%
23.5%	13,977	14,007	30	0.2%
24.7%	13,971	13,994	23	0.2%
25.9%	13,937	13,977	41	0.3%
27.2%	13,891	13,971	80	0.6%
28.4%	13,891	13,891	0	0.0%
29.6%	13,857	13,891	33	0.2%
30.9%	13,847	13,857	10	0.1%
32.1%	13,824	13,847	23	0.2%
33.3%	13,821	13,824	3	0.0%
34.6%	13,801	13,821	20	0.1%
35.8%	13,797	13,801	3	0.0%
37.0%	13,767	13,797	30	0.2%
38.3%	13,751	13,767	17	0.1%
39.5%	13,737	13,751	13	0.1%
40.7%	13,707	13,737	30	0.2%
42.0%	13,544	13,559	15	0.1%
43.2%	13,501	13,501	0	0.0%
44.4%	13,454	13,454	0	0.0%
45.7%	13,401	13,429	29	0.2%
46.9%	13,401	13,428	27	0.2%
48.1%	13,390	13,401	10	0.1%
49.4%	13,359	13,401	42	0.3%
50.6%	13,334	13,334	0	0.0%
51.9%	13,304	13,312	8	0.1%
53.1%	13,304	13,304	0	0.0%
54.3%	13,304	13,304	0	0.0%
55.6%	13,304	13,304	0	0.0%
56.8%	13,304	13,304	0	0.0%
58.0%	13,304	13,304	0	0.0%
59.3%	13,304	13,304	0	0.0%
60.5%	13,207	13,304	97	0.7%
61.7%	13,137	13,240	103	0.8%
63.0%	12,975	13,124	149	1.2%
64.2%	12,943	12,987	44	0.3%
65.4%	12,421	12,976	556	4.5%
66.7%	12,281	12,575	294	2.4%
67.9%	12,102	12,527	425	3.5%
69.1%	11,937	12,438	501	4.2%
70.4%	11,786	12,368	582	4.9%
71.6%	11,760	12,244	485	4.1%
72.8%	11,552	11,904	351	3.0%
74.1%	11,428	11,678	250	2.2%
75.3%	11,414	11,673	259	2.3%
76.5%	11,207	11,490	283	2.5%
77.8%	11,182	11,488	306	2.7%
79.0%	11,073	11,422	349	3.2%
80.2%	11,011	11,353	342	3.1%
81.5%	11,001	10,881	-120	-1.1%
82.7%	10,925	10,809	-115	-1.1%
84.0%	10,734	10,701	-33	-0.3%
85.2%	10,554	10,561	7	0.1%
86.4%	10,392	10,439	47	0.5%
87.7%	10,038	10,229	192	1.9%
88.9%	9,978	10,036	58	0.6%
90.1%	9,657	9,412	-245	-2.5%
91.4%	8,817	9,395	578	6.6%
92.6%	8,522	9,164	642	7.5%
93.8%	8,491	9,027	536	6.3%
95.1%	8,441	8,776	334	4.0%
96.3%	8,347	8,654	307	3.7%
97.5%	8,023	8,273	251	3.1%
98.8%	7,718	7,667	-51	-0.7%
100.0%	7,393	7,146	-248	-3.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,530	15,530	0	0.0%
2.5%	15,517	15,517	0	0.0%
3.7%	15,497	15,497	0	0.0%
4.9%	15,454	15,454	0	0.0%
6.2%	15,434	15,434	0	0.0%
7.4%	15,330	15,330	0	0.0%
8.6%	15,306	15,306	0	0.0%
9.9%	15,218	15,218	0	0.0%
11.1%	15,218	15,217	0	0.0%
12.3%	15,199	15,199	0	0.0%
13.6%	15,192	15,192	0	0.0%
14.8%	15,190	15,190	0	0.0%
16.0%	15,184	15,184	0	0.0%
17.3%	15,177	15,177	0	0.0%
18.5%	15,124	15,124	0	0.0%
19.8%	15,090	15,090	0	0.0%
21.0%	15,028	15,028	0	0.0%
22.2%	15,020	15,020	0	0.0%
23.5%	15,004	15,004	0	0.0%
24.7%	14,996	14,996	0	0.0%
25.9%	14,990	14,990	0	0.0%
27.2%	14,984	14,984	0	0.0%
28.4%	14,984	14,984	0	0.0%
29.6%	14,957	14,957	0	0.0%
30.9%	14,947	14,947	0	0.0%
32.1%	14,935	14,935	0	0.0%
33.3%	14,934	14,934	0	0.0%
34.6%	14,814	14,814	0	0.0%
35.8%	14,804	14,804	0	0.0%
37.0%	14,797	14,797	0	0.0%
38.3%	14,794	14,794	0	0.0%
39.5%	14,790	14,790	1	0.0%
40.7%	14,737	14,767	30	0.2%
42.0%	14,704	14,737	33	0.2%
43.2%	14,704	14,704	0	0.0%
44.4%	14,688	14,704	16	0.1%
45.7%	14,643	14,688	45	0.3%
46.9%	14,615	14,679	64	0.4%
48.1%	14,611	14,642	32	0.2%
49.4%	14,566	14,614	48	0.3%
50.6%	14,486	14,611	125	0.9%
51.9%	14,474	14,583	109	0.8%
53.1%	14,458	14,566	108	0.7%
54.3%	14,415	14,508	93	0.6%
55.6%	14,334	14,486	152	1.1%
56.8%	14,297	14,474	177	1.2%
58.0%	14,230	14,329	99	0.7%
59.3%	14,227	14,299	72	0.5%
60.5%	14,113	14,287	174	1.2%
61.7%	13,878	14,274	396	2.9%
63.0%	13,812	14,267	454	3.3%
64.2%	13,682	14,255	573	4.2%
65.4%	13,561	13,760	199	1.5%
66.7%	13,441	13,722	281	2.1%
67.9%	12,941	13,345	404	3.1%
69.1%	12,933	12,872	-60	-0.5%
70.4%	12,912	12,853	-59	-0.5%
71.6%	12,763	12,669	-94	-0.7%
72.8%	12,751	12,665	-87	-0.7%
74.1%	12,455	12,600	145	1.2%
75.3%	12,205	12,545	340	2.8%
76.5%	12,092	12,507	415	3.4%
77.8%	12,023	12,462	438	3.6%
79.0%	12,007	12,453	446	3.7%
80.2%	11,992	12,337	345	2.9%
81.5%	11,614	12,273	659	5.7%
82.7%	11,555	12,144	589	5.1%
84.0%	11,500	11,959	458	4.0%
85.2%	11,478	11,305	-173	-1.5%
86.4%	10,818	11,057	239	2.2%
87.7%	10,804	11,018	214	2.0%
88.9%	10,294	10,401	106	1.0%
90.1%	10,171	10,072	-99	-1.0%
91.4%	9,611	9,990	378	3.9%
92.6%	9,401	9,653	252	2.7%
93.8%	9,026	9,544	518	5.7%
95.1%	8,736	9,237	502	5.7%
96.3%	8,686	8,693	7	0.1%
97.5%	8,156	8,444	288	3.5%
98.8%	8,011	7,961	-50	-0.6%
100.0%	6,932	6,734	-198	-2.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,804	0	0.0%
27.2%	15,804	15,804	0	0.0%
28.4%	15,804	15,804	0	0.0%
29.6%	15,804	15,804	0	0.0%
30.9%	15,804	15,804	0	0.0%
32.1%	15,804	15,804	0	0.0%
33.3%	15,804	15,804	0	0.0%
34.6%	15,798	15,798	0	0.0%
35.8%	15,782	15,782	1	0.0%
37.0%	15,767	15,767	-1	0.0%
38.3%	15,699	15,717	19	0.1%
39.5%	15,657	15,699	42	0.3%
40.7%	15,616	15,657	41	0.3%
42.0%	15,544	15,615	72	0.5%
43.2%	15,389	15,544	154	1.0%
44.4%	15,362	15,393	31	0.2%
45.7%	15,249	15,389	140	0.9%
46.9%	15,220	15,361	141	0.9%
48.1%	15,164	15,222	57	0.4%
49.4%	14,998	15,163	165	1.1%
50.6%	14,899	14,997	98	0.7%
51.9%	14,794	14,968	174	1.2%
53.1%	14,786	14,897	111	0.8%
54.3%	14,700	14,860	159	1.1%
55.6%	14,693	14,786	93	0.6%
56.8%	14,643	14,696	53	0.4%
58.0%	14,598	14,596	-2	0.0%
59.3%	14,454	14,469	15	0.1%
60.5%	14,379	14,359	-20	-0.1%
61.7%	13,910	14,352	442	3.2%
63.0%	13,821	14,254	433	3.1%
64.2%	13,799	14,161	362	2.6%
65.4%	13,647	14,154	507	3.7%
66.7%	13,624	13,989	365	2.7%
67.9%	13,569	13,917	348	2.6%
69.1%	13,537	13,860	324	2.4%
70.4%	13,458	13,652	195	1.4%
71.6%	13,408	13,380	-27	-0.2%
72.8%	13,302	13,301	-1	0.0%
74.1%	13,115	13,224	109	0.8%
75.3%	12,928	13,165	237	1.8%
76.5%	12,672	12,937	265	2.1%
77.8%	12,625	12,934	309	2.4%
79.0%	12,345	12,741	396	3.2%
80.2%	12,223	12,715	492	4.0%
81.5%	12,117	12,518	400	3.3%
82.7%	11,904	12,169	265	2.2%
84.0%	11,830	12,060	230	1.9%
85.2%	10,924	11,663	739	6.8%
86.4%	10,669	11,523	854	8.0%
87.7%	10,526	11,351	825	7.8%
88.9%	10,414	10,798	384	3.7%
90.1%	10,372	10,147	-225	-2.2%
91.4%	10,134	10,030	-104	-1.0%
92.6%	9,467	9,656	189	2.0%
93.8%	9,238	9,648	411	4.4%
95.1%	8,738	8,821	83	0.9%
96.3%	8,488	8,510	22	0.3%
97.5%	8,256	8,207	-49	-0.6%
98.8%	7,798	7,975	177	2.3%
100.0%	6,689	6,486	-203	-3.0%

Table SW-20-7b
Lake Oroville, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,763	-41	-0.3%
16.0%	15,804	15,759	-44	-0.3%
17.3%	15,804	15,711	-93	-0.6%
18.5%	15,804	15,711	-93	-0.6%
19.8%	15,804	15,711	-93	-0.6%
21.0%	15,804	15,711	-93	-0.6%
22.2%	15,804	15,706	-98	-0.6%
23.5%	15,804	15,706	-98	-0.6%
24.7%	15,804	15,705	-99	-0.6%
25.9%	15,804	15,705	-99	-0.6%
27.2%	15,804	15,703	-101	-0.6%
28.4%	15,804	15,664	-140	-0.9%
29.6%	15,804	15,659	-144	-0.9%
30.9%	15,804	15,634	-169	-1.1%
32.1%	15,660	15,629	-31	-0.2%
33.3%	15,629	15,425	-204	-1.3%
34.6%	15,568	15,332	-237	-1.5%
35.8%	15,425	15,303	-122	-0.8%
37.0%	15,417	15,283	-134	-0.9%
38.3%	15,175	15,272	97	0.6%
39.5%	15,028	15,036	8	0.1%
40.7%	14,942	14,952	10	0.1%
42.0%	14,877	14,927	50	0.3%
43.2%	14,871	14,802	-69	-0.5%
44.4%	14,716	14,746	30	0.2%
45.7%	14,709	14,735	25	0.2%
46.9%	14,654	14,588	-66	-0.5%
48.1%	14,566	14,469	-97	-0.7%
49.4%	14,374	14,445	71	0.5%
50.6%	14,353	14,425	72	0.5%
51.9%	14,348	14,392	45	0.3%
53.1%	14,285	14,367	82	0.6%
54.3%	14,190	14,337	148	1.0%
55.6%	14,112	14,283	171	1.2%
56.8%	13,982	14,273	292	2.1%
58.0%	13,840	14,018	178	1.3%
59.3%	13,758	13,879	120	0.9%
60.5%	13,632	13,757	126	0.9%
61.7%	13,621	13,609	-12	-0.1%
63.0%	13,580	13,596	17	0.1%
64.2%	13,501	13,506	5	0.0%
65.4%	13,432	13,272	-160	-1.2%
66.7%	13,021	13,211	189	1.5%
67.9%	12,966	13,163	197	1.5%
69.1%	12,947	13,071	124	1.0%
70.4%	12,795	13,009	214	1.7%
71.6%	12,661	12,991	330	2.6%
72.8%	12,604	12,988	384	3.0%
74.1%	12,489	12,814	325	2.6%
75.3%	12,268	12,548	280	2.3%
76.5%	11,888	12,466	578	4.9%
77.8%	11,714	12,237	522	4.5%
79.0%	11,654	12,221	567	4.9%
80.2%	11,634	12,112	478	4.1%
81.5%	11,549	12,043	494	4.3%
82.7%	11,101	11,593	492	4.4%
84.0%	11,065	11,254	189	1.7%
85.2%	10,606	11,009	403	3.8%
86.4%	9,924	10,922	999	10.1%
87.7%	9,723	10,868	1,145	11.8%
88.9%	9,701	9,720	18	0.2%
90.1%	9,466	9,551	85	0.9%
91.4%	9,309	9,430	121	1.3%
92.6%	8,802	9,215	412	4.7%
93.8%	8,526	9,060	533	6.3%
95.1%	8,110	7,789	-321	-4.0%
96.3%	7,840	7,769	-70	-0.9%
97.5%	7,201	7,750	549	7.6%
98.8%	6,982	7,128	146	2.1%
100.0%	5,696	5,476	-220	-3.9%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,799	-4	0.0%
3.7%	15,804	15,593	-210	-1.3%
4.9%	15,804	15,556	-248	-1.6%
6.2%	15,502	15,462	-40	-0.3%
7.4%	15,294	15,403	109	0.7%
8.6%	15,257	15,168	-89	-0.6%
9.9%	15,091	14,801	-291	-1.9%
11.1%	14,744	14,759	15	0.1%
12.3%	14,668	14,627	-41	-0.3%
13.6%	14,578	14,522	-56	-0.4%
14.8%	14,445	14,478	33	0.2%
16.0%	14,394	14,295	-99	-0.7%
17.3%	14,326	14,223	-103	-0.7%
18.5%	14,209	14,078	-130	-0.9%
19.8%	14,114	14,007	-107	-0.8%
21.0%	14,099	13,989	-110	-0.8%
22.2%	14,082	13,945	-137	-1.0%
23.5%	14,041	13,942	-100	-0.7%
24.7%	14,006	13,927	-79	-0.6%
25.9%	13,986	13,893	-93	-0.7%
27.2%	13,932	13,840	-92	-0.7%
28.4%	13,922	13,823	-99	-0.7%
29.6%	13,863	13,736	-127	-0.9%
30.9%	13,824	13,722	-102	-0.7%
32.1%	13,670	13,671	1	0.0%
33.3%	13,654	13,629	-25	-0.2%
34.6%	13,541	13,379	-163	-1.2%
35.8%	13,425	13,340	-85	-0.6%
37.0%	13,379	13,318	-61	-0.5%
38.3%	13,184	13,311	128	1.0%
39.5%	12,943	13,297	354	2.7%
40.7%	12,887	12,995	108	0.8%
42.0%	12,829	12,869	39	0.3%
43.2%	12,823	12,866	43	0.3%
44.4%	12,799	12,747	-51	-0.4%
45.7%	12,794	12,718	-76	-0.6%
46.9%	12,751	12,671	-80	-0.6%
48.1%	12,522	12,617	95	0.8%
49.4%	12,474	12,534	60	0.5%
50.6%	12,461	12,481	21	0.2%
51.9%	12,422	12,471	49	0.4%
53.1%	12,225	12,428	203	1.7%
54.3%	12,202	12,412	209	1.7%
55.6%	12,051	12,295	244	2.0%
56.8%	11,986	12,192	206	1.7%
58.0%	11,706	11,916	209	1.8%
59.3%	11,683	11,889	207	1.8%
60.5%	11,659	11,874	214	1.8%
61.7%	11,648	11,816	168	1.4%
63.0%	11,562	11,517	-45	-0.4%
64.2%	11,432	11,271	-162	-1.4%
65.4%	11,251	11,151	-100	-0.9%
66.7%	10,821	11,119	298	2.8%
67.9%	10,813	11,077	264	2.4%
69.1%	10,812	10,946	134	1.2%
70.4%	10,788	10,867	79	0.7%
71.6%	10,760	10,826	66	0.6%
72.8%	10,673	10,776	103	1.0%
74.1%	10,387	10,750	362	3.5%
75.3%	10,097	10,598	500	5.0%
76.5%	9,708	10,397	689	7.1%
77.8%	9,689	10,268	578	6.0%
79.0%	9,478	10,129	651	6.9%
80.2%	9,364	10,087	723	7.7%
81.5%	9,335	10,018	683	7.3%
82.7%	8,937	9,980	1,044	11.7%
84.0%	8,826	9,184	358	4.1%
85.2%	8,822	8,788	-34	-0.4%
86.4%	7,791	8,740	949	12.2%
87.7%	7,388	8,623	1,234	16.7%
88.9%	7,378	7,649	271	3.7%
90.1%	7,249	7,433	184	2.5%
91.4%	7,190	7,324	134	1.9%
92.6%	6,563	7,320	757	11.5%
93.8%	6,438	7,070	632	9.8%
95.1%	6,401	6,852	451	7.0%
96.3%	6,391	6,004	-386	-6.0%
97.5%	6,376	5,922	-454	-7.1%
98.8%	6,049	5,517	-533	-8.8%
100.0%	5,406	5,187	-219	-4.1%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,531	-273	-1.7%
1.2%	15,804	15,402	-402	-2.5%
2.5%	15,763	15,367	-395	-2.5%
3.7%	15,632	15,306	-325	-2.1%
4.9%	15,574	15,085	-490	-3.1%
6.2%	15,086	15,033	-53	-0.4%
7.4%	15,059	14,798	-261	-1.7%
8.6%	14,956	14,598	-359	-2.4%
9.9%	14,715	14,475	-240	-1.6%
11.1%	14,692	14,443	-249	-1.7%
12.3%	14,024	13,987	-37	-0.3%
13.6%	13,981	13,957	-25	-0.2%
14.8%	13,970	13,940	-29	-0.2%
16.0%	13,784	13,770	-14	-0.1%
17.3%	13,717	13,552	-165	-1.2%
18.5%	13,467	13,504	37	0.3%
19.8%	13,381	13,408	27	0.2%
21.0%	13,322	13,306	-16	-0.1%
22.2%	13,056	13,254	199	1.5%
23.5%	13,046	13,231	185	1.4%
24.7%	12,927	13,231	303	2.3%
25.9%	12,752	12,897	145	1.1%
27.2%	12,734	12,833	98	0.8%
28.4%	12,515	12,691	175	1.4%
29.6%	12,515	12,662	147	1.2%
30.9%	12,472	12,570	98	0.8%
32.1%	12,398	12,525	127	1.0%
33.3%	12,316	12,378	62	0.5%
34.6%	12,141	12,350	209	1.7%
35.8%	12,058	12,201	143	1.2%
37.0%	11,873	12,142	269	2.3%
38.3%	11,811	12,036	225	1.9%
39.5%	11,579	11,926	347	3.0%
40.7%	11,563	11,851	288	2.5%
42.0%	11,530	11,823	292	2.5%
43.2%	11,462	11,803	341	3.0%
44.4%	11,460	11,704	244	2.1%
45.7%	11,380	11,505	125	1.1%
46.9%	11,352	11,493	142	1.2%
48.1%	11,252	11,302	50	0.4%
49.4%	11,177	11,199	21	0.2%
50.6%	10,974	11,163	189	1.7%
51.9%	10,825	11,105	280	2.6%
53.1%	10,792	11,068	275	2.5%
54.3%	10,648	10,736	87	0.8%
55.6%	10,620	10,709	89	0.8%
56.8%	10,493	10,687	194	1.8%
58.0%	10,343	10,470	128	1.2%
59.3%	10,083	10,376	294	2.9%
60.5%	10,032	10,347	315	3.1%
61.7%	9,986	9,961	-25	-0.2%
63.0%	9,887	9,810	-78	-0.8%
64.2%	9,691	9,595	-95	-1.0%
65.4%	9,570	9,482	-88	-0.9%
66.7%	9,519	9,408	-111	-1.2%
67.9%	9,325	9,281	-44	-0.5%
69.1%	9,250	9,257	7	0.1%
70.4%	9,107	9,124	16	0.2%
71.6%	9,039	9,095	55	0.6%
72.8%	8,649	9,009	360	4.2%
74.1%	8,491	8,869	378	4.4%
75.3%	8,436	8,747	310	3.7%
76.5%	8,267	8,700	434	5.2%
77.8%	7,999	8,620	622	7.8%
79.0%	7,745	8,396	651	8.4%
80.2%	7,745	8,175	430	5.6%
81.5%	7,515	8,082	567	7.5%
82.7%	7,169	7,964	795	11.1%
84.0%	7,057	7,269	212	3.0%
85.2%	6,958	7,160	202	2.9%
86.4%	6,904	7,116	212	3.1%
87.7%	6,891	6,948	58	0.8%
88.9%	6,838	6,899	61	0.9%
90.1%	6,603	6,874	272	4.1%
91.4%	6,287	6,771	484	7.7%
92.6%	6,255	6,599	344	5.5%
93.8%	6,064	6,330	266	4.4%
95.1%	5,937	6,234	297	5.0%
96.3%	5,934	5,728	-206	-3.5%
97.5%	5,873	5,661	-212	-3.6%
98.8%	5,750	5,409	-341	-5.9%
100.0%	5,404	5,185	-219	-4.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,180	15,180	0	0.0%
1.2%	15,180	15,180	0	0.0%
2.5%	14,799	14,695	-104	-0.7%
3.7%	14,399	13,691	-708	-4.9%
4.9%	14,214	13,580	-634	-4.5%
6.2%	14,057	13,544	-512	-3.6%
7.4%	13,744	13,537	-206	-1.5%
8.6%	13,521	12,997	-524	-3.9%
9.9%	13,297	12,710	-587	-4.4%
11.1%	12,976	12,705	-271	-2.1%
12.3%	12,805	12,548	-257	-2.0%
13.6%	12,245	12,400	156	1.3%
14.8%	12,115	12,379	265	2.2%
16.0%	12,114	12,267	153	1.3%
17.3%	12,111	12,142	30	0.3%
18.5%	11,992	11,924	-68	-0.6%
19.8%	11,798	11,763	-35	-0.3%
21.0%	11,720	11,737	17	0.1%
22.2%	11,554	11,697	143	1.2%
23.5%	11,490	11,652	162	1.4%
24.7%	11,451	11,486	35	0.3%
25.9%	11,233	11,481	247	2.2%
27.2%	11,198	11,380	182	1.6%
28.4%	11,163	11,351	188	1.7%
29.6%	11,158	11,097	-60	-0.5%
30.9%	11,102	11,089	-14	-0.1%
32.1%	10,942	10,972	29	0.3%
33.3%	10,873	10,959	85	0.8%
34.6%	10,806	10,899	93	0.9%
35.8%	10,645	10,867	222	2.1%
37.0%	10,472	10,639	167	1.6%
38.3%	10,470	10,618	149	1.4%
39.5%	10,429	10,554	125	1.2%
40.7%	10,366	10,546	181	1.7%
42.0%	10,303	10,515	212	2.1%
43.2%	10,285	10,458	173	1.7%
44.4%	10,134	10,453	320	3.2%
45.7%	10,131	10,373	241	2.4%
46.9%	10,032	10,338	306	3.1%
48.1%	9,926	10,316	390	3.9%
49.4%	9,913	10,263	350	3.5%
50.6%	9,867	10,132	266	2.7%
51.9%	9,803	9,965	162	1.7%
53.1%	9,778	9,825	47	0.5%
54.3%	9,699	9,819	120	1.2%
55.6%	9,617	9,579	-37	-0.4%
56.8%	9,472	9,527	55	0.6%
58.0%	9,377	9,465	88	0.9%
59.3%	9,186	9,334	148	1.6%
60.5%	9,044	8,978	-66	-0.7%
61.7%	9,021	8,856	-165	-1.8%
63.0%	8,992	8,751	-241	-2.7%
64.2%	8,847	8,683	-164	-1.9%
65.4%	8,830	8,621	-209	-2.4%
66.7%	8,816	8,587	-229	-2.6%
67.9%	8,705	8,579	-126	-1.4%
69.1%	8,703	8,576	-127	-1.5%
70.4%	8,370	8,534	163	2.0%
71.6%	8,130	8,394	264	3.2%
72.8%	8,028	8,239	211	2.6%
74.1%	8,001	7,782	-218	-2.7%
75.3%	7,865	7,713	-152	-1.9%
76.5%	7,598	7,586	-13	-0.2%
77.8%	7,441	7,447	6	0.1%
79.0%	7,283	7,380	97	1.3%
80.2%	7,192	7,272	79	1.1%
81.5%	7,084	7,110	26	0.4%
82.7%	7,051	7,086	34	0.5%
84.0%	6,921	7,080	158	2.3%
85.2%	6,812	7,041	229	3.4%
86.4%	6,671	6,759	87	1.3%
87.7%	6,619	6,722	103	1.6%
88.9%	6,577	6,603	26	0.4%
90.1%	6,281	6,494	214	3.4%
91.4%	6,157	6,422	265	4.3%
92.6%	6,152	6,401	249	4.1%
93.8%	5,937	6,223	287	4.8%
95.1%	5,860	6,095	235	4.0%
96.3%	5,621	5,601	-20	-0.4%
97.5%	5,443	5,532	89	1.6%
98.8%	5,289	5,474	185	3.5%
100.0%	5,129	5,225	96	1.9%

Table SW-21-7a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative C	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

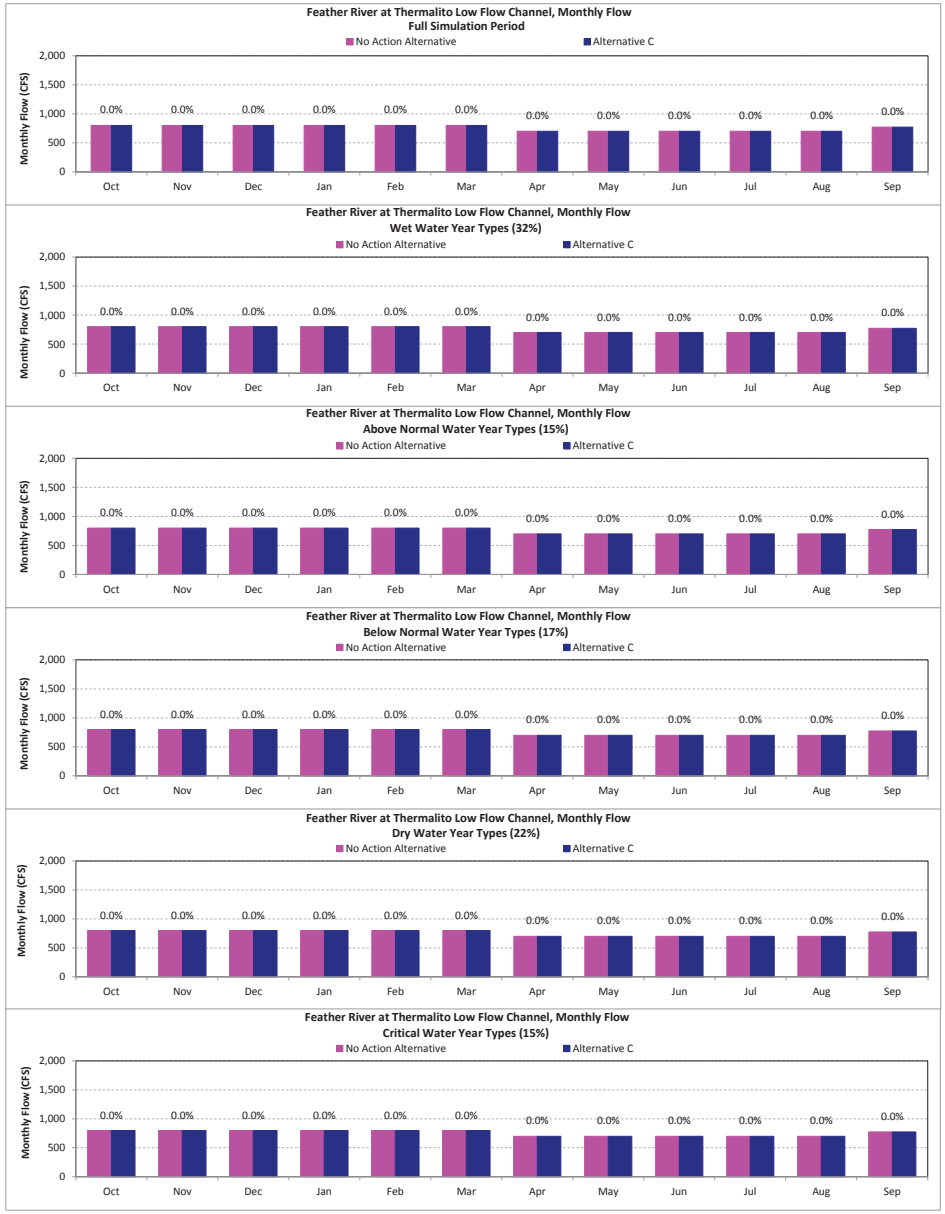

Figure SW-21-7b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

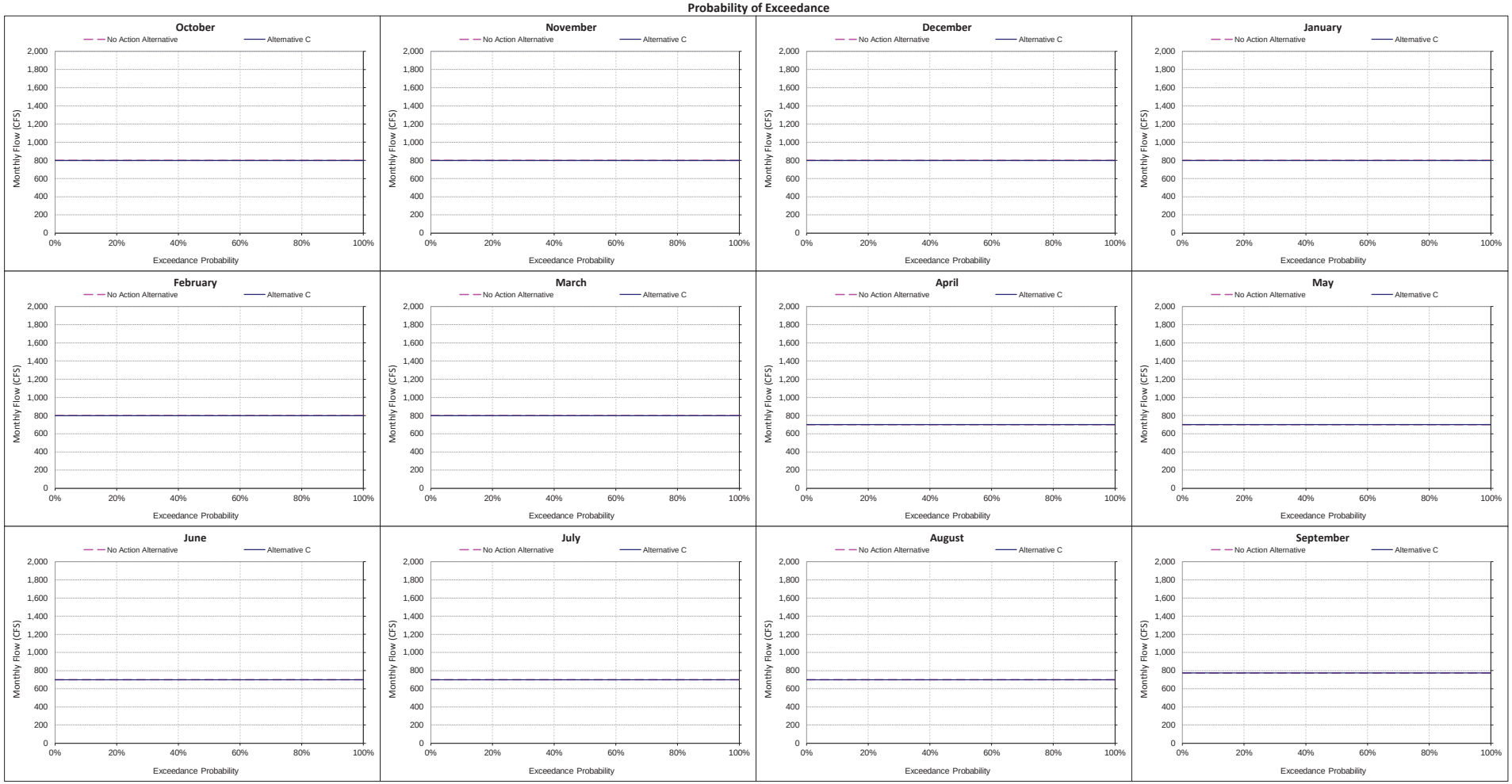

Table SW-21-7b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

	October				November				December				January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
2.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
3.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
4.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
6.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
7.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
8.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
9.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
11.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
12.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
13.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
14.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
16.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
18.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
19.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
21.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
23.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
24.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
25.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
27.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
28.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
29.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
30.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
32.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
33.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
34.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
35.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
37.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
39.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
40.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
42.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
44.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
45.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
46.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
48.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
49.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
50.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
51.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
53.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
54.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
55.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
56.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
58.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
60.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
61.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
63.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
65.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
66.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
67.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
69.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
70.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
71.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
72.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
74.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
75.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
76.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
77.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
79.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
81.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
82.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
84.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
86.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
87.7%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
88.9%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
90.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
91.4%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
92.6%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
93.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
95.1%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
96.3%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
97.5%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
98.8%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%
100.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%	800	800	0	0.0%

Table SW-21-7b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-7b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Table SW-22-7a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,815	2,230	3,453	4,661	5,498	5,941	3,079	3,640	3,783	7,723	4,992	4,831
Alternative C	2,608	2,184	3,155	4,626	5,687	5,988	3,038	3,570	3,928	7,719	5,037	5,134
Difference	-207	-46	-298	-35	189	47	-41	-70	145	-4	45	303
Percent Difference[3]	-7.3%	-2.1%	-8.6%	-0.8%	3.4%	0.8%	-1.3%	-1.9%	3.8%	-0.1%	0.9%	6.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,835	3,384	5,285	10,620	11,516	12,387	6,511	7,539	5,149	6,745	3,920	8,437
Alternative C	3,523	3,272	4,705	10,588	11,688	12,399	6,516	7,540	5,371	6,749	3,913	8,534
Difference	-312	-112	-579	-32	172	12	5	1	222	4	-7	97
Percent Difference	-8.1%	-3.3%	-11.0%	-0.3%	1.5%	0.1%	0.1%	0.0%	4.3%	0.1%	-0.2%	1.2%
Above Normal (15%)												
No Action Alternative	3,592	2,323	3,389	3,461	5,426	7,028	2,257	3,232	3,397	9,119	6,405	7,040
Alternative C	3,448	2,323	2,740	3,419	5,706	7,339	2,258	3,322	3,861	9,111	5,998	7,328
Difference	-144	0	-649	-42	280	311	0	90	464	-8	-407	288
Percent Difference	-4.0%	0.0%	-19.1%	-1.2%	5.2%	4.4%	0.0%	2.8%	13.6%	-0.1%	-6.4%	4.1%
Below Normal (17%)												
No Action Alternative	2,533	1,893	2,615	1,711	2,799	2,337	1,119	1,159	2,849	9,062	6,441	2,656
Alternative C	2,326	1,875	3,100	1,464	3,477	2,344	1,119	1,140	3,264	9,036	6,105	2,953
Difference	-208	-18	485	-247	677	7	0	-19	415	-26	-336	297
Percent Difference	-8.2%	-1.0%	18.6%	-14.4%	24.2%	0.3%	0.0%	-1.6%	14.6%	-0.3%	-5.2%	11.2%
Dry (22%)												
No Action Alternative	2,031	1,516	2,732	1,453	1,635	1,685	1,329	1,605	3,442	8,256	6,071	2,002
Alternative C	1,614	1,478	2,304	1,394	1,580	1,541	1,274	1,280	3,212	8,240	6,712	2,723
Difference	-418	-38	-427	-59	-55	-144	-55	-325	-229	-15	641	722
Percent Difference	-20.6%	-2.5%	-15.6%	-4.1%	-3.4%	-8.5%	-4.1%	-20.2%	-6.7%	-0.2%	10.6%	36.0%
Critical (15%)												
No Action Alternative	1,330	1,101	1,607	1,206	1,476	1,480	1,375	1,545	2,807	6,084	2,595	1,592
Alternative C	1,605	1,106	1,553	1,454	1,409	1,668	1,168	1,483	2,715	6,108	2,756	1,734
Difference	275	5	-54	248	-67	188	-208	-62	-92	24	161	141
Percent Difference	20.7%	0.4%	-3.4%	20.5%	-4.6%	12.7%	-15.1%	-4.0%	-3.3%	0.4%	6.2%	8.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

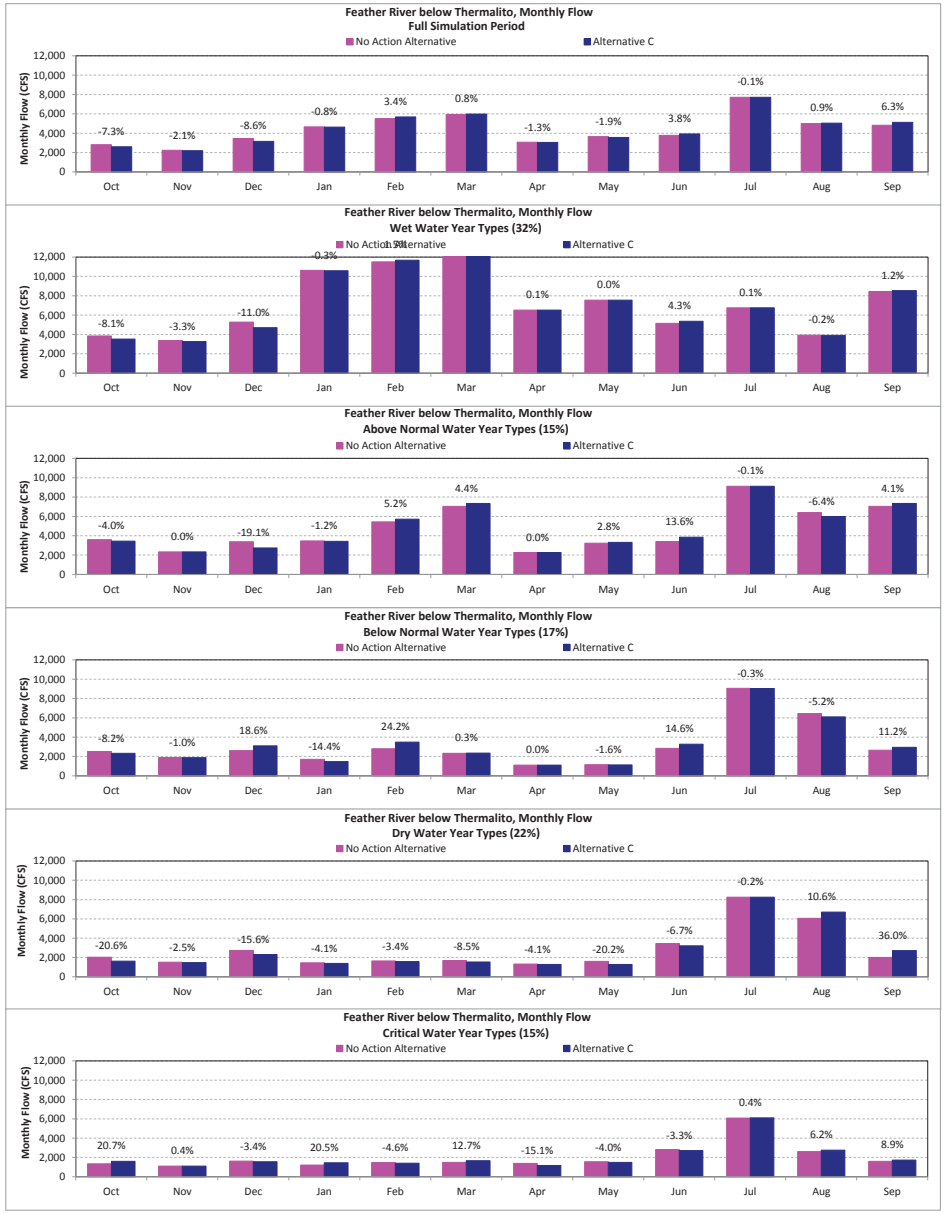

Figure SW-22-7b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

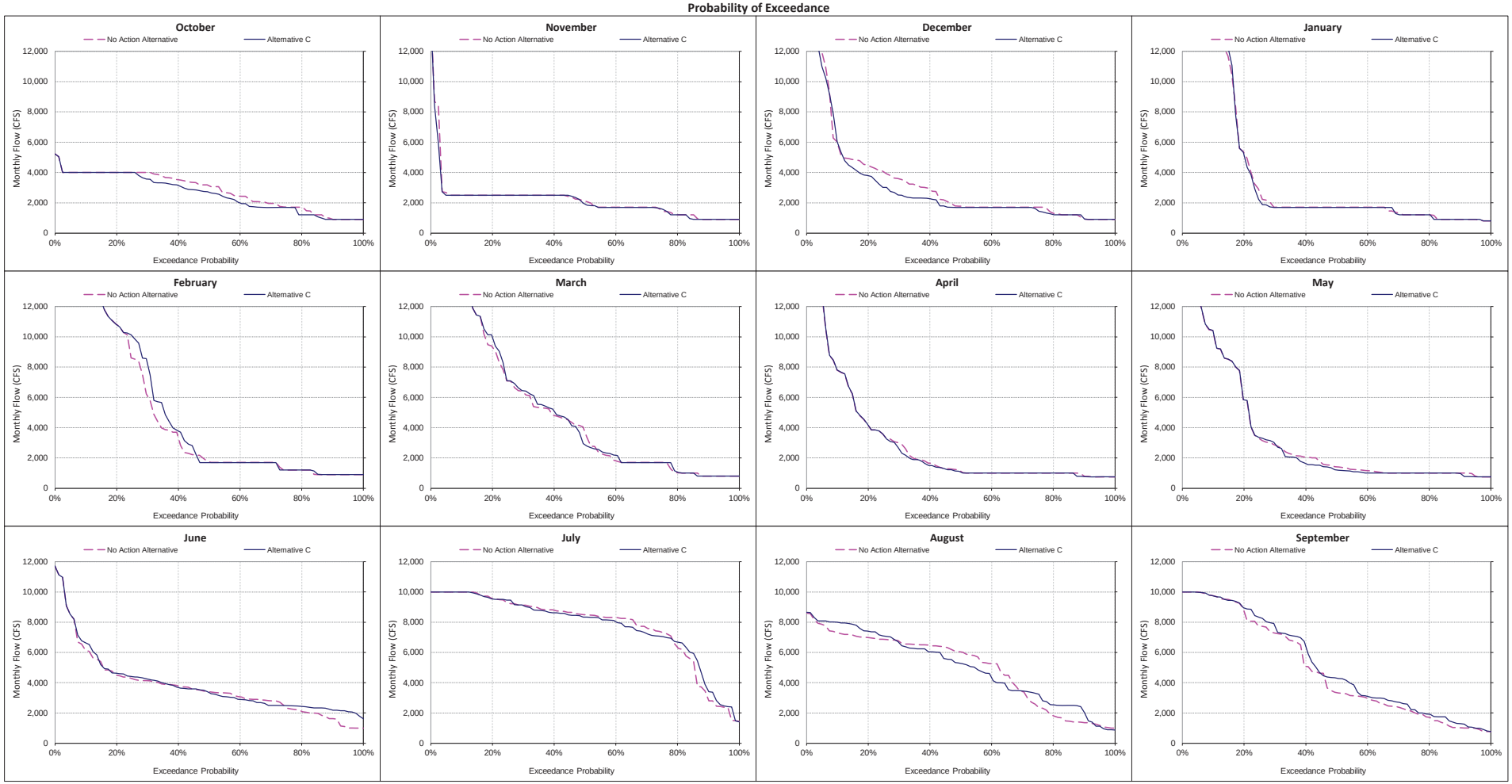

Table SW-22-7b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,232	5,223	-9	-0.2%
1.2%	5,039	5,039	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	4,000	0	0.0%
27.2%	4,000	3,809	-191	-4.8%
28.4%	4,000	3,657	-343	-8.6%
29.6%	4,000	3,561	-439	-11.0%
30.9%	4,000	3,549	-451	-11.3%
32.1%	3,896	3,332	-565	-14.5%
33.3%	3,872	3,322	-550	-14.2%
34.6%	3,789	3,312	-477	-12.6%
35.8%	3,662	3,298	-364	-9.9%
37.0%	3,659	3,259	-401	-11.0%
38.3%	3,618	3,194	-424	-11.7%
39.5%	3,529	3,181	-348	-9.9%
40.7%	3,502	3,085	-418	-11.9%
42.0%	3,448	2,972	-475	-13.8%
43.2%	3,384	2,884	-501	-14.8%
44.4%	3,345	2,866	-479	-14.3%
45.7%	3,340	2,851	-489	-14.6%
46.9%	3,183	2,799	-384	-12.1%
48.1%	3,181	2,745	-436	-13.7%
49.4%	3,175	2,730	-445	-14.0%
50.6%	3,072	2,642	-429	-14.0%
51.9%	3,064	2,606	-459	-15.0%
53.1%	3,063	2,567	-496	-16.2%
54.3%	2,682	2,426	-255	-9.5%
55.6%	2,661	2,325	-336	-12.6%
56.8%	2,629	2,284	-345	-13.1%
58.0%	2,487	2,215	-271	-10.9%
59.3%	2,444	2,053	-391	-16.0%
60.5%	2,432	1,952	-480	-19.7%
61.7%	2,425	1,939	-486	-20.0%
63.0%	2,226	1,752	-474	-21.3%
64.2%	2,081	1,739	-342	-16.5%
65.4%	2,078	1,702	-375	-18.1%
66.7%	2,054	1,700	-354	-17.3%
67.9%	2,052	1,700	-352	-17.1%
69.1%	1,965	1,700	-265	-13.5%
70.4%	1,952	1,700	-252	-12.9%
71.6%	1,949	1,700	-249	-12.8%
72.8%	1,750	1,700	-50	-2.9%
74.1%	1,728	1,700	-28	-1.6%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,200	-500	-29.4%
80.2%	1,700	1,200	-500	-29.4%
81.5%	1,475	1,200	-275	-18.6%
82.7%	1,456	1,200	-256	-17.6%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,071	-129	-10.8%
86.4%	1,200	995	-205	-17.1%
87.7%	1,021	900	-121	-11.8%
88.9%	994	900	-94	-9.5%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,550	14,550	0	0.0%
1.2%	8,691	8,421	-270	-3.1%
2.5%	8,427	5,964	-2,462	-29.2%
3.7%	2,730	2,726	-3	-0.1%
4.9%	2,674	2,500	-174	-6.5%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,431	2,500	69	2.8%
45.7%	2,381	2,422	41	1.7%
46.9%	2,246	2,354	108	4.8%
48.1%	2,236	2,208	-27	-1.2%
49.4%	2,151	1,975	-175	-8.2%
50.6%	2,085	1,849	-236	-11.3%
51.9%	1,977	1,815	-161	-8.2%
53.1%	1,700	1,808	108	6.4%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,611	1,632	20	1.3%
75.3%	1,424	1,566	142	10.0%
76.5%	1,418	1,420	2	0.1%
77.8%	1,361	1,200	-161	-11.8%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	954	-246	-20.5%
85.2%	1,200	900	-300	-25.0%
86.4%	957	900	-57	-6.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,329	24,329	0	0.0%
1.2%	15,421	14,986	-435	-2.8%
2.5%	14,106	13,043	-1,062	-7.5%
3.7%	12,871	12,395	-476	-3.7%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,230	-754	-6.9%
7.4%	9,375	9,171	-204	-2.2%
8.6%	6,278	7,821	1,543	24.6%
9.9%	6,026	6,024	-2	0.0%
11.1%	5,200	5,339	139	2.7%
12.3%	4,959	4,773	-186	-3.7%
13.6%	4,921	4,498	-423	-8.6%
14.8%	4,857	4,327	-530	-10.9%
16.0%	4,839	4,141	-698	-14.4%
17.3%	4,768	3,962	-806	-16.9%
18.5%	4,540	3,842	-698	-15.4%
19.8%	4,496	3,808	-688	-15.3%
21.0%	4,372	3,733	-639	-14.6%
22.2%	4,266	3,490	-776	-18.2%
23.5%	4,145	3,234	-911	-22.0%
24.7%	4,094	3,011	-1,083	-26.5%
25.9%	3,918	3,008	-910	-23.2%
27.2%	3,807	2,755	-1,052	-27.6%
28.4%	3,631	2,678	-953	-26.3%
29.6%	3,595	2,519	-1,075	-29.9%
30.9%	3,537	2,494	-1,043	-29.5%
32.1%	3,421	2,404	-1,017	-29.7%
33.3%	3,238	2,324	-914	-28.2%
34.6%	3,234	2,322	-911	-28.2%
35.8%	3,144	2,309	-834	-26.5%
37.0%	3,037	2,308	-729	-24.0%
38.3%	3,010	2,304	-706	-23.4%
39.5%	2,971	2,288	-684	-23.0%
40.7%	2,760	2,226	-534	-19.3%
42.0%	2,752	2,201	-551	-20.0%
43.2%	2,230	1,799	-430	-19.3%
44.4%	2,200	1,790	-411	-18.7%
45.7%	2,082	1,702	-380	-18.3%
46.9%	1,967	1,700	-267	-13.6%
48.1%	1,792	1,700	-92	-5.1%
49.4%	1,770	1,700	-70	-3.9%
50.6%	1,767	1,700	-67	-3.8%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,695	-5	-0.3%
74.1%	1,700	1,624	-76	-4.5%
75.3%	1,700	1,438	-262	-15.4%
76.5%	1,700	1,385	-315	-18.5%
77.8%	1,629	1,324	-306	-18.8%
79.0%	1,387	1,278	-109	-7.9%
80.2%	1,284	1,200	-84	-6.5%
81.5%	1,267	1,200	-67	-5.3%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,054	1,200	146	13.9%
90.1%	919	917	-1	-0.2%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,947	40,942	-5	0.0%
1.2%	35,873	35,870	-3	0.0%
2.5%	21,020	21,017	-3	0.0%
3.7%	20,580	20,579	-1	0.0%
4.9%	19,178	18,974	-205	-1.1%
6.2%	19,034	18,138	-896	-4.7%
7.4%	15,060	15,161	101	0.7%
8.6%	14,373	14,368	-4	0.0%
9.9%	13,890	13,891	1	0.0%
11.1%	13,790	13,679	-111	-0.8%
12.3%	12,688	12,689	1	0.0%
13.6%	12,234	12,688	455	3.7%
14.8%	11,687	12,230	543	4.6%
16.0%	10,488	11,078	590	5.6%
17.3%	8,342	7,724	-618	-7.4%
18.5%	5,602	5,602	0	0.0%
19.8%	5,395	5,324	-71	-1.3%
21.0%	4,934	4,347	-587	-11.9%
22.2%	4,032	3,860	-172	-4.3%
23.5%	3,244	2,912	-332	-10.2%
24.7%	2,920	2,226	-694	-23.8%
25.9%	2,230	1,881	-348	-15.6%
27.2%	2,174	1,858	-316	-14.6%
28.4%	2,021	1,727	-295	-14.6%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,453	1,700	247	17.0%
67.9%	1,453	1,700	247	17.0%
69.1%	1,367	1,289	-79	-5.7%
70.4%	1,304	1,200	-104	-8.0%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,166	900	-266	-22.8%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	853	900	47	5.6%
97.5%	801	801	0	0.0%
98.8%	801	800	-1	-0.1%
100.0%	800	800	0	0.0%

Table SW-22-7b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,200	-3	0.0%
2.5%	21,176	21,192	16	0.1%
3.7%	20,085	18,940	-1,145	-5.7%
4.9%	18,146	18,145	-1	0.0%
6.2%	17,987	17,986	-2	0.0%
7.4%	17,640	17,635	-5	0.0%
8.6%	16,581	16,583	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,338	-550	-3.5%
12.3%	15,395	15,294	-102	-0.7%
13.6%	14,529	14,532	3	0.0%
14.8%	12,477	12,475	-2	0.0%
16.0%	11,789	11,785	-4	0.0%
17.3%	11,343	11,345	2	0.0%
18.5%	11,085	11,076	-9	-0.1%
19.8%	10,847	10,847	0	0.0%
21.0%	10,663	10,661	-2	0.0%
22.2%	10,291	10,287	-4	0.0%
23.5%	10,131	10,260	129	1.3%
24.7%	8,601	10,131	1,530	17.8%
25.9%	8,525	9,843	1,318	15.5%
27.2%	8,379	9,584	1,205	14.4%
28.4%	7,497	8,601	1,105	14.7%
29.6%	6,228	8,555	2,327	37.4%
30.9%	5,796	7,494	1,698	29.3%
32.1%	4,869	5,795	926	19.0%
33.3%	4,403	5,718	1,315	29.9%
34.6%	3,993	5,658	1,665	41.7%
35.8%	3,865	4,864	999	25.8%
37.0%	3,835	4,401	567	14.8%
38.3%	3,709	3,993	284	7.7%
39.5%	3,696	3,837	141	3.8%
40.7%	2,821	3,706	884	31.3%
42.0%	2,358	3,157	799	33.9%
43.2%	2,318	2,912	594	25.6%
44.4%	2,230	2,814	584	26.2%
45.7%	2,194	2,226	32	1.5%
46.9%	2,174	1,700	-474	-21.8%
48.1%	1,969	1,700	-269	-13.7%
49.4%	1,787	1,700	-87	-4.9%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,387	1,200	-187	-13.5%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	926	1,139	213	23.0%
85.2%	900	924	24	2.7%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,036	0	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,267	-2	0.0%
3.7%	22,001	22,780	779	3.5%
4.9%	20,294	19,377	-917	-4.5%
6.2%	19,372	18,237	-1,135	-5.9%
7.4%	16,075	16,072	-4	0.0%
8.6%	14,409	14,310	-98	-0.7%
9.9%	14,277	14,273	-4	0.0%
11.1%	13,402	13,400	-2	0.0%
12.3%	12,917	12,915	-2	0.0%
13.6%	11,916	11,910	-5	0.0%
14.8%	11,446	11,445	-2	0.0%
16.0%	11,351	11,359	7	0.1%
17.3%	10,166	10,523	357	3.5%
18.5%	9,485	10,143	659	6.9%
19.8%	9,393	10,142	749	8.0%
21.0%	9,037	9,389	352	3.9%
22.2%	8,314	9,039	725	8.7%
23.5%	7,834	8,312	478	6.1%
24.7%	7,087	7,097	9	0.1%
25.9%	7,084	7,085	0	0.0%
27.2%	6,641	6,925	284	4.3%
28.4%	6,455	6,634	179	2.8%
29.6%	6,413	6,455	42	0.7%
30.9%	6,171	6,415	244	4.0%
32.1%	6,117	6,229	112	1.8%
33.3%	5,385	6,118	732	13.6%
34.6%	5,337	5,549	212	4.0%
35.8%	5,315	5,531	216	4.1%
37.0%	5,292	5,431	139	2.6%
38.3%	5,250	5,315	65	1.2%
39.5%	4,817	5,235	418	8.7%
40.7%	4,778	4,854	76	1.6%
42.0%	4,695	4,780	85	1.8%
43.2%	4,582	4,701	119	2.6%
44.4%	4,529	4,539	10	0.2%
45.7%	4,355	4,122	-233	-5.4%
46.9%	4,170	4,093	-78	-1.9%
48.1%	4,145	3,679	-466	-11.2%
49.4%	4,050	2,945	-1,105	-27.3%
50.6%	3,379	2,779	-600	-17.8%
51.9%	2,786	2,674	-112	-4.0%
53.1%	2,768	2,594	-174	-6.3%
54.3%	2,380	2,557	177	7.4%
55.6%	2,254	2,400	146	6.5%
56.8%	2,174	2,325	151	7.0%
58.0%	2,144	2,295	151	7.1%
59.3%	1,859	2,187	329	17.7%
60.5%	1,775	2,153	379	21.3%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,669	1,700	31	1.9%
77.8%	1,278	1,700	422	33.0%
79.0%	1,040	1,155	116	11.1%
80.2%	1,019	1,035	16	1.6%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	800	-200	-20.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,592	17,590	-2	0.0%
2.5%	13,120	13,118	-2	0.0%
3.7%	13,116	13,108	-8	-0.1%
4.9%	12,900	12,900	0	0.0%
6.2%	10,563	10,558	-5	0.0%
7.4%	8,771	8,771	0	0.0%
8.6%	8,459	8,458	-1	0.0%
9.9%	7,812	7,810	-2	0.0%
11.1%	7,660	7,679	19	0.3%
12.3%	7,560	7,560	0	0.0%
13.6%	6,692	6,712	20	0.3%
14.8%	6,239	6,238	-1	0.0%
16.0%	5,101	5,101	0	0.0%
17.3%	4,793	4,801	7	0.2%
18.5%	4,554	4,553	-2	0.0%
19.8%	4,224	4,223	-2	0.0%
21.0%	3,853	3,854	1	0.0%
22.2%	3,850	3,848	-1	0.0%
23.5%	3,795	3,794	-1	0.0%
24.7%	3,587	3,590	3	0.1%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,243	3,077	-166	-5.1%
28.4%	3,079	3,034	-44	-1.4%
29.6%	3,009	2,701	-308	-10.2%
30.9%	2,921	2,311	-610	-20.9%
32.1%	2,609	2,173	-436	-16.7%
33.3%	2,171	1,996	-175	-8.1%
34.6%	1,997	1,896	-101	-5.0%
35.8%	1,900	1,891	-10	-0.5%
37.0%	1,893	1,808	-85	-4.5%
38.3%	1,814	1,649	-165	-9.1%
39.5%	1,653	1,506	-146	-8.8%
40.7%	1,650	1,490	-160	-9.7%
42.0%	1,492	1,384	-108	-7.3%
43.2%	1,387	1,372	-14	-1.0%
44.4%	1,312	1,313	1	0.1%
45.7%	1,281	1,226	-55	-4.3%
46.9%	1,275	1,223	-52	-4.1%
48.1%	1,240	1,136	-105	-8.4%
49.4%	1,225	1,122	-102	-8.3%
50.6%	1,040	1,000	-40	-3.9%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	782	-218	-21.8%
88.9%	951	780	-171	-18.0%
90.1%	785	750	-35	-4.5%
91.4%	781	750	-31	-3.9%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,399	20,396	-3	0.0%
1.2%	18,247	18,246	0	0.0%
2.5%	17,333	17,335	3	0.0%
3.7%	16,793	16,795	2	0.0%
4.9%	12,825	12,825	0	0.0%
6.2%	11,871	11,871	0	0.0%
7.4%	10,838	10,838	0	0.0%
8.6%	10,472	10,507	35	0.3%
9.9%	10,420	10,417	-3	0.0%
11.1%	9,252	9,254	3	0.0%
12.3%	9,193	9,189	-3	0.0%
13.6%	8,592	8,593	1	0.0%
14.8%	8,530	8,525	-5	-0.1%
16.0%	8,395	8,393	-2	0.0%
17.3%	8,006	8,006	0	0.0%
18.5%	7,768	7,773	5	0.1%
19.8%	5,851	5,844	-8	-0.1%
21.0%	5,792	5,791	-1	0.0%
22.2%	4,053	4,064	11	0.3%
23.5%	3,505	3,502	-3	-0.1%
24.7%	3,307	3,360	54	1.6%
25.9%	3,143	3,304	161	5.1%
27.2%	3,045	3,207	162	5.3%
28.4%	3,007	3,142	135	4.5%
29.6%	2,884	3,040	156	5.4%
30.9%	2,784	2,716	-68	-2.4%
32.1%	2,629	2,630	0	0.0%
33.3%	2,411	2,098	-312	-13.0%
34.6%	2,286	2,060	-226	-9.9%
35.8%	2,219	2,056	-163	-7.3%
37.0%	2,138	2,015	-123	-5.7%
38.3%	2,118	1,777	-341	-16.1%
39.5%	2,063	1,668	-395	-19.1%
40.7%	2,056	1,563	-493	-24.0%
42.0%	2,012	1,560	-452	-22.5%
43.2%	2,002	1,529	-473	-23.6%
44.4%	1,777	1,519	-257	-14.5%
45.7%	1,569	1,417	-153	-9.7%
46.9%	1,535	1,410	-124	-8.1%
48.1%	1,522	1,353	-169	-11.1%
49.4%	1,424	1,217	-207	-14.6%
50.6%	1,407	1,187	-220	-15.6%
51.9%	1,369	1,167	-202	-14.8%
53.1%	1,354	1,148	-206	-15.2%
54.3%	1,255	1,134	-121	-9.7%
55.6%	1,241	1,096	-145	-11.7%
56.8%	1,220	1,090	-129	-10.6%
58.0%	1,198	1,052	-146	-12.2%
59.3%	1,168	1,000	-168	-14.4%
60.5%	1,152	1,000	-152	-13.2%
61.7%	1,136	1,000	-136	-12.0%
63.0%	1,094	1,000	-94	-8.6%
64.2%	1,054	1,000	-54	-5.1%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	970	-30	-3.0%
91.4%	1,000	778	-222	-22.2%
92.6%	1,000	773	-227	-22.7%
93.8%	977	763	-214	-21.9%
95.1%	785	750	-35	-4.5%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-7b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,718	37	0.3%
1.2%	11,148	11,144	-5	0.0%
2.5%	10,971	10,971	-1	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,518	4	0.0%
6.2%	8,203	8,207	4	0.0%
7.4%	6,686	7,150	464	6.9%
8.6%	6,549	6,774	225	3.4%
9.9%	6,154	6,648	494	8.0%
11.1%	6,071	6,530	458	7.6%
12.3%	5,637	6,056	419	7.4%
13.6%	5,563	5,845	282	5.1%
14.8%	5,400	5,208	-192	-3.6%
16.0%	4,843	4,940	97	2.0%
17.3%	4,842	4,898	57	1.2%
18.5%	4,754	4,649	-104	-2.2%
19.8%	4,490	4,632	142	3.2%
21.0%	4,466	4,595	129	2.9%
22.2%	4,381	4,580	198	4.5%
23.5%	4,370	4,449	79	1.8%
24.7%	4,293	4,411	118	2.7%
25.9%	4,217	4,379	163	3.9%
27.2%	4,161	4,370	209	5.0%
28.4%	4,149	4,328	179	4.3%
29.6%	4,147	4,241	94	2.3%
30.9%	4,125	4,208	83	2.0%
32.1%	4,049	4,158	110	2.7%
33.3%	4,024	4,120	96	2.4%
34.6%	3,924	4,009	84	2.1%
35.8%	3,893	3,942	50	1.3%
37.0%	3,883	3,881	-2	-0.1%
38.3%	3,848	3,826	-22	-0.6%
39.5%	3,828	3,706	-122	-3.2%
40.7%	3,741	3,635	-106	-2.8%
42.0%	3,722	3,628	-93	-2.5%
43.2%	3,706	3,595	-111	-3.0%
44.4%	3,584	3,592	7	0.2%
45.7%	3,557	3,589	32	0.9%
46.9%	3,514	3,528	13	0.4%
48.1%	3,451	3,508	58	1.7%
49.4%	3,422	3,401	-21	-0.6%
50.6%	3,381	3,280	-102	-3.0%
51.9%	3,355	3,238	-117	-3.5%
53.1%	3,336	3,148	-188	-5.6%
54.3%	3,332	3,092	-240	-7.2%
55.6%	3,323	3,078	-245	-7.4%
56.8%	3,309	3,032	-277	-8.4%
58.0%	3,153	3,022	-130	-4.1%
59.3%	3,080	2,911	-170	-5.5%
60.5%	3,046	2,880	-167	-5.5%
61.7%	2,926	2,869	-58	-2.0%
63.0%	2,917	2,818	-99	-3.4%
64.2%	2,898	2,800	-98	-3.4%
65.4%	2,892	2,682	-210	-7.3%
66.7%	2,863	2,680	-182	-6.4%
67.9%	2,849	2,628	-221	-7.7%
69.1%	2,813	2,500	-313	-11.1%
70.4%	2,806	2,500	-306	-10.9%
71.6%	2,798	2,500	-298	-10.7%
72.8%	2,718	2,495	-223	-8.2%
74.1%	2,519	2,484	-35	-1.4%
75.3%	2,320	2,479	159	6.9%
76.5%	2,266	2,477	210	9.3%
77.8%	2,228	2,466	238	10.7%
79.0%	2,189	2,449	259	11.8%
80.2%	2,080	2,438	357	17.2%
81.5%	2,053	2,401	348	17.0%
82.7%	2,002	2,367	364	18.2%
84.0%	1,997	2,330	334	16.7%
85.2%	1,978	2,329	351	17.8%
86.4%	1,837	2,326	489	26.6%
87.7%	1,767	2,310	543	30.8%
88.9%	1,634	2,245	611	37.4%
90.1%	1,627	2,190	564	34.6%
91.4%	1,585	2,186	601	37.9%
92.6%	1,145	2,144	999	87.3%
93.8%	1,099	2,144	1,045	95.1%
95.1%	1,000	2,078	1,078	107.8%
96.3%	1,000	2,069	1,069	106.9%
97.5%	1,000	1,982	982	98.2%
98.8%	1,000	1,784	784	78.4%
100.0%	1,000	1,615	615	61.5%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	10,000	0	0.0%
6.2%	10,000	10,000	0	0.0%
7.4%	10,000	10,000	0	0.0%
8.6%	10,000	10,000	0	0.0%
9.9%	10,000	10,000	0	0.0%
11.1%	10,000	10,000	0	0.0%
12.3%	10,000	10,000	0	0.0%
13.6%	9,986	9,943	-42	-0.4%
14.8%	9,945	9,873	-72	-0.7%
16.0%	9,791	9,803	12	0.1%
17.3%	9,727	9,694	-33	-0.3%
18.5%	9,717	9,642	-75	-0.8%
19.8%	9,580	9,537	-44	-0.5%
21.0%	9,560	9,515	-45	-0.5%
22.2%	9,483	9,513	30	0.3%
23.5%	9,467	9,506	39	0.4%
24.7%	9,301	9,458	157	1.7%
25.9%	9,224	9,457	234	2.5%
27.2%	9,217	9,161	-56	-0.6%
28.4%	9,138	9,144	6	0.1%
29.6%	9,129	9,143	14	0.2%
30.9%	9,118	9,022	-97	-1.1%
32.1%	9,053	8,973	-80	-0.9%
33.3%	9,015	8,804	-212	-2.3%
34.6%	8,964	8,788	-176	-2.0%
35.8%	8,848	8,765	-83	-0.9%
37.0%	8,833	8,740	-94	-1.1%
38.3%	8,823	8,651	-172	-1.9%
39.5%	8,819	8,622	-198	-2.2%
40.7%	8,746	8,621	-125	-1.4%
42.0%	8,714	8,590	-124	-1.4%
43.2%	8,713	8,588	-125	-1.4%
44.4%	8,656	8,490	-166	-1.9%
45.7%	8,647	8,459	-188	-2.2%
46.9%	8,565	8,447	-118	-1.4%
48.1%	8,533	8,442	-91	-1.1%
49.4%	8,495	8,343	-152	-1.8%
50.6%	8,478	8,330	-148	-1.7%
51.9%	8,467	8,326	-141	-1.7%
53.1%	8,457	8,316	-141	-1.7%
54.3%	8,390	8,306	-84	-1.0%
55.6%	8,347	8,156	-191	-2.3%
56.8%	8,322	8,149	-173	-2.1%
58.0%	8,316	8,139	-177	-2.1%
59.3%	8,312	8,125	-187	-2.3%
60.5%	8,292	7,971	-321	-3.9%
61.7%	8,256	7,927	-329	-4.0%
63.0%	8,250	7,702	-547	-6.6%
64.2%	8,208	7,698	-510	-6.2%
65.4%	8,159	7,663	-495	-6.1%
66.7%	7,795	7,449	-346	-4.4%
67.9%	7,728	7,410	-318	-4.1%
69.1%	7,725	7,338	-387	-5.0%
70.4%	7,580	7,206	-374	-4.9%
71.6%	7,579	7,135	-443	-5.9%
72.8%	7,426	7,104	-322	-4.3%
74.1%	7,397	7,072	-326	-4.4%
75.3%	7,303	7,047	-256	-3.5%
76.5%	7,224	6,980	-244	-3.4%
77.8%	7,086	6,943	-143	-2.0%
79.0%	6,570	6,731	161	2.5%
80.2%	6,269	6,680	411	6.6%
81.5%	6,203	6,621	417	6.7%
82.7%	5,761	6,348	587	10.2%
84.0%	5,599	6,018	419	7.5%
85.2%	5,395	5,933	538	10.0%
86.4%	3,750	5,458	1,708	45.5%
87.7%	3,716	4,685	968	26.1%
88.9%	3,459	3,893	434	12.5%
90.1%	2,804	3,400	596	21.3%
91.4%	2,796	3,381	585	20.9%
92.6%	2,448	2,814	367	15.0%
93.8%	2,428	2,544	116	4.8%
95.1%	2,379	2,473	95	4.0%
96.3%	2,358	2,424	66	2.8%
97.5%	1,507	2,400	893	59.3%
98.8%	1,484	1,482	-3	-0.2%
100.0%	1,440	1,416	-24	-1.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,650	47	0.5%
1.2%	8,563	8,641	78	0.9%
2.5%	8,167	8,327	160	2.0%
3.7%	7,924	8,093	170	2.1%
4.9%	7,866	8,089	224	2.8%
6.2%	7,763	8,081	318	4.1%
7.4%	7,427	8,019	592	8.0%
8.6%	7,398	8,019	621	8.4%
9.9%	7,306	7,997	691	9.5%
11.1%	7,246	7,960	714	9.8%
12.3%	7,196	7,958	763	10.6%
13.6%	7,190	7,915	724	10.1%
14.8%	7,163	7,868	705	9.8%
16.0%	7,076	7,808	732	10.3%
17.3%	7,027	7,575	548	7.8%
18.5%	7,011	7,440	429	6.1%
19.8%	6,997	7,412	415	5.9%
21.0%	6,964	7,360	396	5.7%
22.2%	6,932	7,357	426	6.1%
23.5%	6,880	7,164	284	4.1%
24.7%	6,869	7,099	231	3.4%
25.9%	6,862	7,069	207	3.0%
27.2%	6,830	7,026	196	2.9%
28.4%	6,824	6,857	33	0.5%
29.6%	6,784	6,705	-79	-1.2%
30.9%	6,601	6,438	-164	-2.5%
32.1%	6,555	6,379	-176	-2.7%
33.3%	6,554	6,285	-269	-4.1%
34.6%	6,546	6,268	-278	-4.2%
35.8%	6,519	6,248	-271	-4.2%
37.0%	6,508	6,242	-266	-4.1%
38.3%	6,505	6,242	-263	-4.0%
39.5%	6,486	6,048	-439	-6.8%
40.7%	6,446	6,039	-407	-6.3%
42.0%	6,441	6,018	-423	-6.6%
43.2%	6,409	5,999	-410	-6.4%
44.4%	6,386	5,601	-785	-12.3%
45.7%	6,315	5,559	-756	-12.0%
46.9%	6,207	5,530	-677	-10.9%
48.1%	6,086	5,343	-743	-12.2%
49.4%	6,056	5,309	-747	-12.3%
50.6%	6,025	5,245	-780	-13.0%
51.9%	5,878	5,191	-687	-11.7%
53.1%	5,835	5,068	-767	-13.1%
54.3%	5,794	5,034	-760	-13.1%
55.6%	5,706	4,854	-852	-14.9%
56.8%	5,353	4,725	-628	-11.7%
58.0%	5,310	4,636	-674	-12.7%
59.3%	5,267	4,612	-655	-12.4%
60.5%	5,257	4,123	-1,135	-21.6%
61.7%	5,240	4,002	-1,238	-23.6%
63.0%	4,701	3,994	-708	-15.1%
64.2%	4,495	3,971	-524	-11.7%
65.4%	4,495	3,536	-959	-21.3%
66.7%	4,020	3,483	-537	-13.4%
67.9%	3,752	3,483	-270	-7.2%
69.1%	3,438	3,482	44	1.3%
70.4%	3,412	3,448	36	1.1%
71.6%	2,987	3,419	431	14.4%
72.8%	2,716	3,355	639	23.5%
74.1%	2,588	3,307	720	27.8%
75.3%	2,352	3,248	896	38.1%
76.5%	2,309	2,805	496	21.5%
77.8%	2,176	2,758	582	26.8%
79.0%	1,899	2,546	647	34.1%
80.2%	1,800	2,542	742	41.2%
81.5%	1,704	2,500	796	46.7%
82.7%	1,679	2,500	821	48.9%
84.0%	1,480	2,500	1,020	68.9%
85.2%	1,450	2,500	1,050	72.4%
86.4%	1,414	2,500	1,086	76.8%
87.7%	1,411	2,479	1,068	75.7%
88.9%	1,397	2,426	1,029	73.6%
90.1%	1,354	2,018	664	49.1%
91.4%	1,352	1,477	125	9.2%
92.6%	1,300	1,399	100	7.7%
93.8%	1,260	1,124	-136	-10.8%
95.1%	1,165	1,122	-43	-3.7%
96.3%	1,064	967	-97	-9.2%
97.5%	1,041	889	-152	-14.6%
98.8%	1,000	887	-113	-11.3%
100.0%	1,000	879	-121	-12.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	9,992	-8	-0.1%
4.9%	10,000	9,975	-25	-0.3%
6.2%	9,966	9,969	4	0.0%
7.4%	9,899	9,923	24	0.2%
8.6%	9,789	9,791	2	0.0%
9.9%	9,761	9,750	-11	-0.1%
11.1%	9,692	9,674	-18	-0.2%
12.3%	9,536	9,656	120	1.3%
13.6%	9,521	9,503	-18	-0.2%
14.8%	9,503	9,448	-56	-0.6%
16.0%	9,442	9,445	3	0.0%
17.3%	9,340	9,378	38	0.4%
18.5%	9,258	9,265	7	0.1%
19.8%	8,911	8,955	44	0.5%
21.0%	8,118	8,877	759	9.4%
22.2%	8,070	8,858	788	9.8%
23.5%	8,059	8,430	371	4.6%
24.7%	7,741	8,339	598	7.7%
25.9%	7,725	8,246	521	6.7%
27.2%	7,676	8,027	352	4.6%
28.4%	7,364	7,969	605	8.2%
29.6%	7,295	7,910	614	8.4%
30.9%	7,251	7,328	78	1.1%
32.1%	7,215	7,280	66	0.9%
33.3%	7,058	7,255	197	2.8%
34.6%	6,827	7,141	314	4.6%
35.8%	6,756	7,099	343	5.1%
37.0%	6,680	7,066	386	5.8%
38.3%	6,505	6,972	467	7.2%
39.5%	5,082	6,734	1,652	32.5%
40.7%	5,065	5,925	860	17.0%
42.0%	4,739	5,377	638	13.5%
43.2%	4,732	5,045	313	6.6%
44.4%	4,632	4,679	47	1.0%
45.7%	4,626	4,471	-155	-3.4%
46.9%	3,654	4,384	730	20.0%
48.1%	3,491	4,351	860	24.6%
49.4%	3,367	4,323	956	28.4%
50.6%	3,312	4,287	975	29.4%
51.9%	3,308	4,268	960	29.0%
53.1%	3,261	4,158	897	27.5%
54.3%	3,148	3,985	836	26.6%
55.6%	3,131	3,856	725	23.2%
56.8%	3,115	3,369	254	8.2%
58.0%	3,092	3,153	61	2.0%
59.3%	3,035	3,146	111	3.7%
60.5%	2,906	3,079	173	5.9%
61.7%	2,829	3,000	171	6.0%
63.0%	2,778	2,995	216	7.8%
64.2%	2,621	2,990	370	14.1%
65.4%	2,588	2,947	359	13.9%
66.7%	2,465	2,837	372	15.1%
67.9%	2,445	2,798	353	14.4%
69.1%	2,436	2,743	307	12.6%
70.4%	2,360	2,709	349	14.8%
71.6%	2,288	2,613	325	14.2%
72.8%	2,174	2,582	408	18.8%
74.1%	2,130	2,224	94	4.4%
75.3%	2,007	2,211	204	10.2%
76.5%	1,916	2,000	84	4.4%
77.8%	1,904	2,000	96	5.0%
79.0%	1,751	1,928	177	10.1%
80.2%	1,707	1,907	200	11.7%
81.5%	1,488	1,769	280	18.8%
82.7%	1,488	1,755	267	17.9%
84.0%	1,369	1,754	385	28.1%
85.2%	1,305	1,752	447	34.2%
86.4%	1,147	1,486	339	29.5%
87.7%	1,036	1,392	356	34.4%
88.9%	1,034	1,305	270	26.1%
90.1%	1,030	1,301	271	26.3%
91.4%	1,005	1,259	254	25.3%
92.6%	1,000	1,079	79	7.9%
93.8%	1,000	1,060	60	6.0%
95.1%	982	1,000	18	1.8%
96.3%	897	992	95	10.6%
97.5%	773	910	137	17.7%
98.8%	773	800	27	3.4%
100.0%	773	773	0	0.0%

Table SW-23-7a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,312	3,145	5,786	11,338	12,918	12,986	8,811	7,670	6,330	8,371	5,972	6,575
Alternative C	3,105	3,076	5,491	11,307	13,109	13,035	8,769	7,600	6,475	8,369	6,008	6,890
Difference	-207	-70	-295	-31	191	49	-42	-69	146	-3	35	314
Percent Difference[3]	-6.2%	-2.2%	-5.1%	-0.3%	1.5%	0.4%	-0.5%	-0.9%	2.3%	0.0%	0.6%	4.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,258	4,230	8,495	22,904	26,098	23,692	15,954	14,390	10,293	8,421	5,496	10,522
Alternative C	3,946	4,051	7,918	22,874	26,271	23,697	15,955	14,391	10,512	8,420	5,473	10,633
Difference	-312	-179	-577	-30	173	6	1	1	218	-1	-24	111
Percent Difference	-7.3%	-4.2%	-6.8%	-0.1%	0.7%	0.0%	0.0%	0.0%	2.1%	0.0%	-0.4%	1.1%
Above Normal (15%)												
No Action Alternative	4,083	3,265	4,677	11,475	12,863	19,318	9,848	7,957	6,465	9,663	7,416	8,989
Alternative C	3,937	3,253	4,028	11,436	13,142	19,622	9,840	8,043	6,923	9,646	6,988	9,278
Difference	-146	-12	-649	-39	279	304	-7	86	458	-17	-428	290
Percent Difference	-3.6%	-0.4%	-13.9%	-0.3%	2.2%	1.6%	-0.1%	1.1%	7.1%	-0.2%	-5.8%	3.2%
Below Normal (17%)												
No Action Alternative	3,655	3,434	6,731	5,589	8,055	7,130	5,328	4,652	4,621	9,459	7,353	4,454
Alternative C	3,443	3,420	7,218	5,348	8,737	7,113	5,330	4,635	5,035	9,416	6,993	4,753
Difference	-212	-14	487	-241	681	-17	1	-16	414	-43	-360	300
Percent Difference	-5.8%	-0.4%	7.2%	-4.3%	8.5%	-0.2%	0.0%	-0.4%	8.9%	-0.5%	-4.9%	6.7%
Dry (22%)												
No Action Alternative	2,397	2,479	4,613	4,297	4,234	4,767	4,199	3,661	4,145	8,230	6,728	3,833
Alternative C	1,977	2,444	4,191	4,241	4,181	4,626	4,147	3,338	3,915	8,216	7,363	4,546
Difference	-420	-35	-422	-56	-53	-141	-52	-323	-230	-14	635	712
Percent Difference	-17.5%	-1.4%	-9.2%	-1.3%	-1.3%	-3.0%	-1.2%	-8.8%	-5.6%	-0.2%	9.4%	18.6%
Critical (15%)												
No Action Alternative	1,465	1,338	1,680	3,412	3,116	2,620	3,280	2,357	2,876	5,917	2,816	2,197
Alternative C	1,748	1,331	1,628	3,666	3,049	2,868	3,076	2,300	2,803	5,988	3,004	2,397
Difference	284	-6	-52	253	-67	248	-204	-57	-72	71	189	200
Percent Difference	19.4%	-0.5%	-3.1%	7.4%	-2.1%	9.5%	-6.2%	-2.4%	-2.5%	1.2%	6.7%	9.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-23-7b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

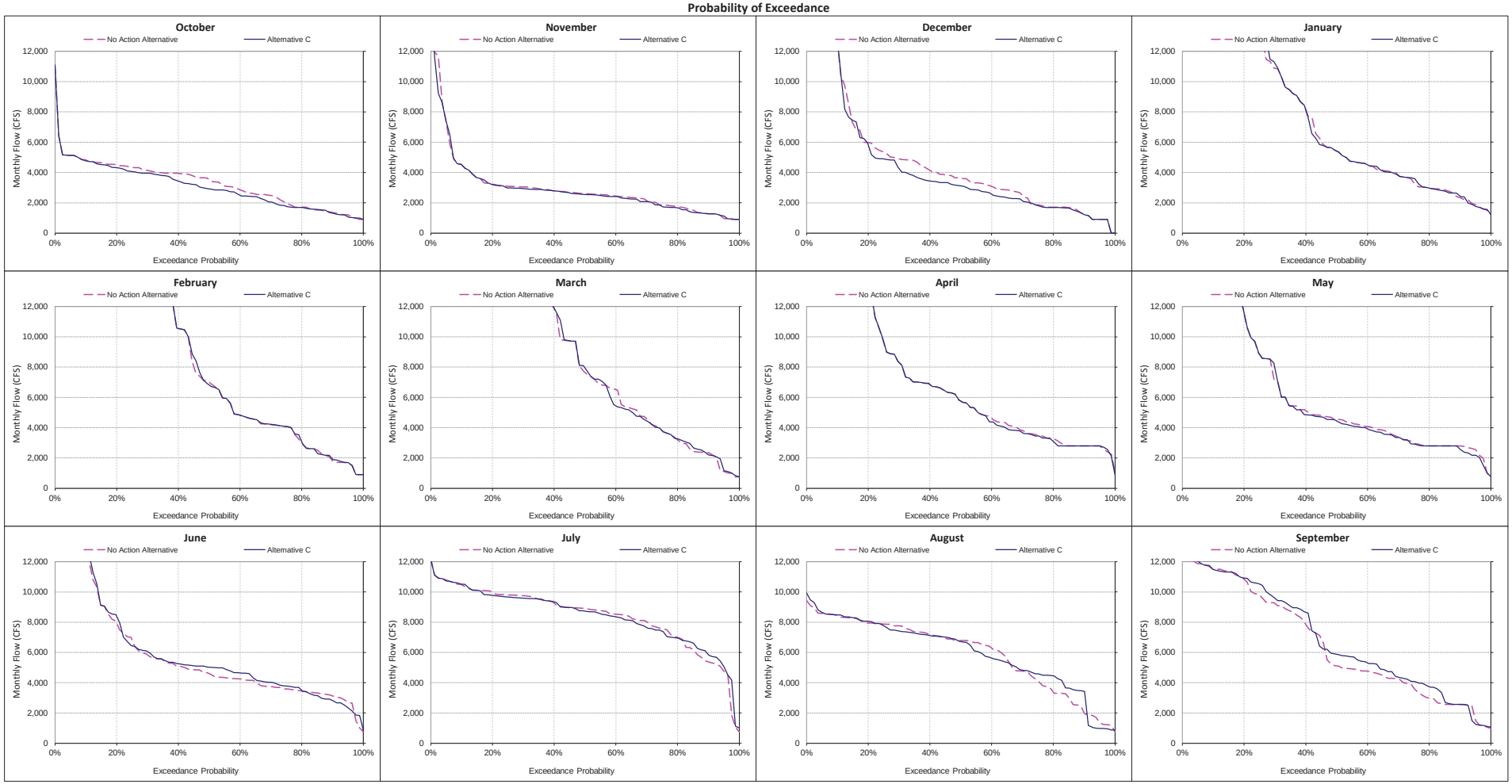

Table SW-23-7b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,104	11,106	2	0.0%
1.2%	6,414	6,428	14	0.2%
2.5%	5,151	5,160	9	0.2%
3.7%	5,138	5,142	4	0.1%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,128	0	0.0%
7.4%	5,001	5,002	1	0.0%
8.6%	4,864	4,860	-4	-0.1%
9.9%	4,833	4,779	-54	-1.1%
11.1%	4,727	4,729	2	0.0%
12.3%	4,712	4,716	4	0.1%
13.6%	4,662	4,568	-94	-2.0%
14.8%	4,651	4,524	-127	-2.7%
16.0%	4,574	4,499	-75	-1.6%
17.3%	4,543	4,458	-85	-1.9%
18.5%	4,533	4,335	-197	-4.4%
19.8%	4,520	4,328	-193	-4.3%
21.0%	4,457	4,294	-162	-3.6%
22.2%	4,432	4,221	-211	-4.8%
23.5%	4,412	4,104	-308	-7.0%
24.7%	4,333	4,066	-267	-6.2%
25.9%	4,319	4,045	-274	-6.3%
27.2%	4,317	3,988	-329	-7.6%
28.4%	4,196	3,959	-237	-5.7%
29.6%	4,159	3,958	-201	-4.8%
30.9%	4,102	3,950	-152	-3.7%
32.1%	4,040	3,885	-156	-3.9%
33.3%	4,001	3,848	-154	-3.8%
34.6%	3,988	3,809	-178	-4.5%
35.8%	3,961	3,789	-172	-4.3%
37.0%	3,960	3,737	-223	-5.6%
38.3%	3,958	3,548	-410	-10.4%
39.5%	3,948	3,463	-485	-12.3%
40.7%	3,921	3,390	-530	-13.5%
42.0%	3,907	3,279	-628	-16.1%
43.2%	3,884	3,271	-613	-15.8%
44.4%	3,802	3,224	-578	-15.2%
45.7%	3,699	3,199	-500	-13.5%
46.9%	3,649	3,035	-614	-16.8%
48.1%	3,644	2,978	-667	-18.3%
49.4%	3,629	2,937	-691	-19.1%
50.6%	3,403	2,893	-510	-15.0%
51.9%	3,386	2,856	-530	-15.7%
53.1%	3,374	2,852	-522	-15.5%
54.3%	3,151	2,842	-309	-9.8%
55.6%	3,085	2,809	-276	-8.9%
56.8%	3,057	2,737	-321	-10.5%
58.0%	3,031	2,716	-315	-10.4%
59.3%	2,918	2,561	-357	-12.2%
60.5%	2,811	2,453	-358	-12.7%
61.7%	2,705	2,446	-259	-9.6%
63.0%	2,652	2,426	-226	-8.5%
64.2%	2,618	2,421	-197	-7.5%
65.4%	2,550	2,391	-159	-6.2%
66.7%	2,548	2,278	-270	-10.6%
67.9%	2,542	2,203	-338	-13.3%
69.1%	2,498	2,057	-440	-17.6%
70.4%	2,479	2,045	-435	-17.5%
71.6%	2,387	1,924	-463	-19.4%
72.8%	2,204	1,839	-365	-16.6%
74.1%	2,075	1,825	-250	-12.1%
75.3%	1,927	1,742	-185	-9.6%
76.5%	1,837	1,705	-133	-7.2%
77.8%	1,707	1,700	-7	-0.4%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,619	-81	-4.8%
82.7%	1,585	1,596	11	0.7%
84.0%	1,539	1,584	45	2.9%
85.2%	1,531	1,554	22	1.5%
86.4%	1,507	1,530	23	1.5%
87.7%	1,448	1,508	60	4.1%
88.9%	1,400	1,352	-47	-3.4%
90.1%	1,350	1,304	-46	-3.4%
91.4%	1,303	1,234	-69	-5.3%
92.6%	1,235	1,200	-35	-2.8%
93.8%	1,200	1,200	0	0.0%
95.1%	1,200	1,059	-141	-11.7%
96.3%	1,060	1,023	-37	-3.5%
97.5%	984	986	2	0.2%
98.8%	900	983	83	9.2%
100.0%	900	900	0	0.0%

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,067	23,068	1	0.0%
1.2%	11,939	11,671	-268	-2.2%
2.5%	11,671	9,225	-2,446	-21.0%
3.7%	8,621	8,614	-7	-0.1%
4.9%	7,420	7,427	7	0.1%
6.2%	5,902	6,515	613	10.4%
7.4%	4,924	4,925	1	0.0%
8.6%	4,577	4,570	-7	-0.2%
9.9%	4,540	4,543	3	0.1%
11.1%	4,279	4,282	3	0.1%
12.3%	4,146	4,148	2	0.0%
13.6%	3,891	3,893	2	0.0%
14.8%	3,662	3,664	1	0.0%
16.0%	3,607	3,608	0	0.0%
17.3%	3,315	3,517	201	6.1%
18.5%	3,286	3,318	32	1.0%
19.8%	3,239	3,213	-26	-0.8%
21.0%	3,207	3,149	-57	-1.8%
22.2%	3,123	3,149	26	0.8%
23.5%	3,093	3,109	15	0.5%
24.7%	3,091	2,988	-103	-3.3%
25.9%	3,088	2,975	-113	-3.7%
27.2%	3,076	2,969	-106	-3.5%
28.4%	3,056	2,960	-97	-3.2%
29.6%	3,048	2,942	-107	-3.5%
30.9%	3,047	2,913	-134	-4.4%
32.1%	3,020	2,894	-126	-4.2%
33.3%	2,973	2,886	-87	-2.9%
34.6%	2,956	2,879	-77	-2.6%
35.8%	2,895	2,874	-21	-0.7%
37.0%	2,879	2,838	-40	-1.4%
38.3%	2,859	2,817	-42	-1.5%
39.5%	2,800	2,816	17	0.6%
40.7%	2,788	2,756	-32	-1.1%
42.0%	2,751	2,754	3	0.1%
43.2%	2,748	2,692	-55	-2.0%
44.4%	2,693	2,684	-9	-0.3%
45.7%	2,683	2,609	-75	-2.8%
46.9%	2,665	2,594	-71	-2.7%
48.1%	2,633	2,581	-53	-2.0%
49.4%	2,610	2,544	-66	-2.5%
50.6%	2,589	2,543	-47	-1.8%
51.9%	2,583	2,533	-50	-1.9%
53.1%	2,566	2,528	-38	-1.5%
54.3%	2,559	2,499	-59	-2.3%
55.6%	2,533	2,467	-66	-2.6%
56.8%	2,526	2,426	-100	-4.0%
58.0%	2,458	2,414	-43	-1.8%
59.3%	2,454	2,410	-44	-1.8%
60.5%	2,421	2,406	-16	-0.7%
61.7%	2,410	2,314	-96	-4.0%
63.0%	2,379	2,289	-89	-3.8%
64.2%	2,366	2,266	-100	-4.2%
65.4%	2,342	2,252	-89	-3.8%
66.7%	2,314	2,247	-67	-2.9%
67.9%	2,290	2,075	-215	-9.4%
69.1%	2,257	2,071	-186	-8.2%
70.4%	2,077	2,071	-6	-0.3%
71.6%	2,070	2,029	-41	-2.0%
72.8%	2,022	1,862	-160	-7.9%
74.1%	1,863	1,857	-6	-0.3%
75.3%	1,858	1,728	-129	-6.9%
76.5%	1,850	1,713	-136	-7.4%
77.8%	1,787	1,700	-87	-4.9%
79.0%	1,776	1,700	-76	-4.3%
80.2%	1,700	1,659	-41	-2.4%
81.5%	1,700	1,550	-150	-8.8%
82.7%	1,647	1,544	-103	-6.2%
84.0%	1,548	1,401	-147	-9.5%
85.2%	1,499	1,360	-139	-9.3%
86.4%	1,357	1,345	-12	-0.9%
87.7%	1,344	1,318	-26	-2.0%
88.9%	1,312	1,283	-29	-2.2%
90.1%	1,280	1,271	-9	-0.7%
91.4%	1,271	1,267	-4	-0.3%
92.6%	1,270	1,257	-13	-1.0%
93.8%	1,177	1,176	-1	-0.1%
95.1%	954	1,124	170	17.8%
96.3%	937	944	7	0.8%
97.5%	900	938	38	4.2%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,403	48,404	1	0.0%
1.2%	32,897	32,422	-476	-1.4%
2.5%	32,019	29,643	-2,377	-7.4%
3.7%	21,161	21,255	94	0.4%
4.9%	20,375	21,178	803	3.9%
6.2%	18,708	19,192	484	2.6%
7.4%	17,732	18,588	857	4.8%
8.6%	13,076	15,902	2,826	21.6%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,408	-3	0.0%
12.3%	9,782	8,170	-1,612	-16.5%
13.6%	8,600	7,664	-935	-10.9%
14.8%	7,335	7,457	123	1.7%
16.0%	6,829	7,336	506	7.4%
17.3%	6,808	6,295	-513	-7.5%
18.5%	5,995	6,247	253	4.2%
19.8%	5,972	5,949	-23	-0.4%
21.0%	5,948	5,180	-769	-12.9%
22.2%	5,635	4,953	-682	-12.1%
23.5%	5,476	4,915	-561	-10.2%
24.7%	5,382	4,903	-479	-8.9%
25.9%	5,262	4,866	-395	-7.5%
27.2%	5,031	4,828	-203	-4.0%
28.4%	4,994	4,817	-177	-3.5%
29.6%	4,919	4,341	-578	-11.8%
30.9%	4,864	4,025	-840	-17.3%
32.1%	4,843	3,998	-845	-17.4%
33.3%	4,825	3,892	-932	-19.3%
34.6%	4,815	3,810	-1,005	-20.9%
35.8%	4,692	3,661	-1,031	-22.0%
37.0%	4,480	3,591	-888	-19.8%
38.3%	4,360	3,500	-860	-19.7%
39.5%	4,207	3,445	-762	-18.1%
40.7%	4,046	3,414	-631	-15.6%
42.0%	4,038	3,408	-631	-15.6%
43.2%	3,892	3,330	-562	-14.4%
44.4%	3,864	3,327	-537	-13.9%
45.7%	3,810	3,327	-483	-12.7%
46.9%	3,797	3,223	-575	-15.1%
48.1%	3,660	3,171	-488	-13.3%
49.4%	3,647	3,137	-510	-14.0%
50.6%	3,608	3,092	-516	-14.3%
51.9%	3,589	3,009	-581	-16.2%
53.1%	3,382	2,883	-499	-14.7%
54.3%	3,324	2,865	-459	-13.8%
55.6%	3,321	2,854	-467	-14.1%
56.8%	3,289	2,748	-541	-16.4%
58.0%	3,230	2,719	-511	-15.8%
59.3%	3,136	2,663	-472	-15.1%
60.5%	3,045	2,504	-541	-17.8%
61.7%	2,897	2,455	-443	-15.3%
63.0%	2,881	2,398	-483	-16.8%
64.2%	2,863	2,377	-486	-17.0%
65.4%	2,852	2,307	-546	-19.1%
66.7%	2,788	2,282	-507	-18.2%
67.9%	2,723	2,274	-449	-16.5%
69.1%	2,663	2,257	-406	-15.2%
70.4%	2,387	2,076	-311	-13.0%
71.6%	2,313	2,044	-269	-11.6%
72.8%	1,867	1,985	118	6.3%
74.1%	1,855	1,874	19	1.0%
75.3%	1,853	1,800	-53	-2.9%
76.5%	1,796	1,705	-91	-5.1%
77.8%	1,716	1,700	-16	-1.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,700	1,676	-24	-1.4%
84.0%	1,700	1,654	-46	-2.7%
85.2%	1,673	1,649	-24	-1.4%
86.4%	1,648	1,527	-120	-7.3%
87.7%	1,526	1,447	-79	-5.2%
88.9%	1,337	1,342	5	0.4%
90.1%	1,200	1,201	1	0.1%
91.4%	1,159	1,158	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	0	0	0	
100.0%	0	0	0	

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,431	98,422	-9	0.0%
1.2%	67,172	67,188	16	0.0%
2.5%	38,850	38,846	-4	0.0%
3.7%	37,900	37,708	-192	-0.5%
4.9%	35,751	35,251	-501	-1.4%
6.2%	33,046	34,854	1,809	5.5%
7.4%	32,056	31,946	-111	-0.3%
8.6%	31,531	30,925	-606	-1.9%
9.9%	21,994	21,708	-286	-1.3%
11.1%	21,686	21,688	1	0.0%
12.3%	21,603	21,389	-214	-1.0%
13.6%	21,001	21,015	14	0.1%
14.8%	20,687	20,686	-1	0.0%
16.0%	19,246	18,802	-444	-2.3%
17.3%	18,798	17,936	-861	-4.6%
18.5%	17,938	17,620	-318	-1.8%
19.8%	17,623	17,286	-336	-1.9%
21.0%	17,285	16,366	-919	-5.3%
22.2%	16,366	16,247	-118	-0.7%
23.5%	16,247	16,171	-75	-0.5%
24.7%	13,212	13,215	3	0.0%
25.9%	13,021	13,019	-2	0.0%
27.2%	11,473	12,892	1,419	12.4%
28.4%	11,324	11,474	150	1.3%
29.6%	10,906	11,321	415	3.8%
30.9%	10,846	10,909	63	0.6%
32.1%	10,308	10,311	3	0.0%
33.3%	9,624	9,625	1	0.0%
34.6%	9,478	9,484	6	0.1%
35.8%	9,211	9,210	-1	0.0%
37.0%	9,083	9,086	2	0.0%
38.3%	8,655	8,655	1	0.0%
39.5%	8,442	8,443	0	0.0%
40.7%	7,707	7,636	-71	-0.9%
42.0%	7,635	6,570	-1,066	-14.0%
43.2%	6,568	6,261	-307	-4.7%
44.4%	6,258	5,841	-417	-6.7%
45.7%	5,836	5,778	-58	-1.0%
46.9%	5,654	5,660	5	0.1%
48.1%	5,632	5,653	21	0.4%
49.4%	5,484	5,485	2	0.0%
50.6%	5,354	5,352	-3	-0.1%
51.9%	5,110	5,113	2	0.0%
53.1%	4,984	4,997	13	0.3%
54.3%	4,738	4,740	2	0.0%
55.6%	4,717	4,719	2	0.0%
56.8%	4,652	4,662	10	0.2%
58.0%	4,623	4,628	5	0.1%
59.3%	4,582	4,591	9	0.2%
60.5%	4,430	4,453	22	0.5%
61.7%	4,408	4,430	21	0.5%
63.0%	4,200	4,410	210	5.0%
64.2%	4,172	4,173	2	0.0%
65.4%	4,126	4,050	-76	-1.8%
66.7%	4,082	4,020	-62	-1.5%
67.9%	4,016	4,012	-4	-0.1%
69.1%	4,008	3,911	-97	-2.4%
70.4%	3,737	3,745	8	0.2%
71.6%	3,701	3,705	4	0.1%
72.8%	3,661	3,665	4	0.1%
74.1%	3,582	3,651	69	1.9%
75.3%	3,228	3,592	364	11.3%
76.5%	3,055	3,229	174	5.7%
77.8%	3,051	3,055	4	0.1%
79.0%	2,997	3,008	10	0.3%
80.2%	2,950	2,950	0	0.0%
81.5%	2,935	2,923	-12	-0.4%
82.7%	2,920	2,842	-78	-2.7%
84.0%	2,907	2,811	-97	-3.3%
85.2%	2,839	2,760	-79	-2.8%
86.4%	2,760	2,652	-108	-3.9%
87.7%	2,647	2,641	-6	-0.2%
88.9%	2,409	2,634	225	9.3%
90.1%	2,333	2,412	80	3.4%
91.4%	2,211	2,371	160	7.2%
92.6%	2,187	1,972	-215	-9.8%
93.8%	1,967	1,891	-76	-3.9%
95.1%	1,880	1,752	-128	-6.8%
96.3%	1,700	1,700	0	0.0%
97.5%	1,587	1,588	1	0.1%
98.8%	1,515	1,565	50	3.3%
100.0%	1,200	1,200	0	0.0%

Table SW-23-7b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	74,570	-76	-0.1%
1.2%	47,661	47,683	22	0.0%
2.5%	36,819	36,808	-11	0.0%
3.7%	36,336	36,336	1	0.0%
4.9%	35,637	35,633	-4	0.0%
6.2%	35,414	35,417	3	0.0%
7.4%	35,063	35,061	-2	0.0%
8.6%	33,624	33,622	-1	0.0%
9.9%	31,040	31,045	5	0.0%
11.1%	30,146	30,714	567	1.9%
12.3%	30,130	30,158	28	0.1%
13.6%	28,315	30,143	1,828	6.5%
14.8%	25,886	28,317	2,430	9.4%
16.0%	25,806	25,885	79	0.3%
17.3%	25,229	25,224	-5	0.0%
18.5%	24,130	25,213	1,083	4.5%
19.8%	24,018	24,040	21	0.1%
21.0%	22,239	22,990	752	3.4%
22.2%	20,605	21,745	1,141	5.5%
23.5%	20,369	20,609	240	1.2%
24.7%	20,210	20,362	152	0.8%
25.9%	18,698	18,706	8	0.0%
27.2%	17,037	18,048	1,011	5.9%
28.4%	16,420	16,545	125	0.8%
29.6%	16,098	16,471	372	2.3%
30.9%	15,798	16,420	622	3.9%
32.1%	15,769	16,257	488	3.1%
33.3%	15,708	16,100	392	2.5%
34.6%	15,340	15,818	478	3.1%
35.8%	13,600	15,771	2,170	16.0%
37.0%	12,704	12,703	-1	0.0%
38.3%	12,138	12,140	2	0.0%
39.5%	10,574	10,578	4	0.0%
40.7%	10,526	10,529	3	0.0%
42.0%	10,472	10,471	-1	0.0%
43.2%	10,036	10,002	-34	-0.3%
44.4%	8,401	8,867	466	5.5%
45.7%	7,628	8,402	774	10.1%
46.9%	7,409	7,628	219	3.0%
48.1%	7,128	7,124	-4	-0.1%
49.4%	7,119	6,901	-218	-3.1%
50.6%	6,899	6,720	-179	-2.6%
51.9%	6,716	6,659	-57	-0.9%
53.1%	6,521	6,519	-2	0.0%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,930	2	0.0%
56.8%	5,620	5,619	-1	0.0%
58.0%	4,906	4,909	2	0.0%
59.3%	4,865	4,859	-6	-0.1%
60.5%	4,789	4,789	1	0.0%
61.7%	4,708	4,710	1	0.0%
63.0%	4,623	4,626	3	0.1%
64.2%	4,576	4,579	3	0.1%
65.4%	4,526	4,530	3	0.1%
66.7%	4,258	4,316	58	1.4%
67.9%	4,246	4,262	16	0.4%
69.1%	4,212	4,248	37	0.9%
70.4%	4,185	4,213	29	0.7%
71.6%	4,174	4,175	2	0.0%
72.8%	4,134	4,139	6	0.1%
74.1%	4,098	4,100	2	0.0%
75.3%	4,077	4,079	3	0.1%
76.5%	4,015	3,995	-20	-0.5%
77.8%	3,533	3,586	52	1.5%
79.0%	3,255	3,537	282	8.7%
80.2%	2,921	2,927	6	0.2%
81.5%	2,664	2,636	-27	-1.0%
82.7%	2,617	2,620	3	0.1%
84.0%	2,607	2,615	8	0.3%
85.2%	2,498	2,274	-224	-9.0%
86.4%	2,274	2,233	-41	-1.8%
87.7%	2,177	2,179	2	0.1%
88.9%	2,067	2,171	104	5.0%
90.1%	1,774	1,888	115	6.5%
91.4%	1,700	1,863	162	9.5%
92.6%	1,700	1,784	84	4.9%
93.8%	1,700	1,703	3	0.2%
95.1%	1,623	1,700	77	4.8%
96.3%	1,510	1,516	6	0.4%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,624	1	0.0%
1.2%	58,327	58,321	-7	0.0%
2.5%	47,905	48,686	781	1.6%
3.7%	43,551	41,496	-2,055	-4.7%
4.9%	36,124	36,133	9	0.0%
6.2%	34,670	34,670	1	0.0%
7.4%	34,052	34,047	-4	0.0%
8.6%	30,904	30,908	4	0.0%
9.9%	29,602	30,645	1,043	3.5%
11.1%	29,379	29,375	-4	0.0%
12.3%	29,112	29,112	0	0.0%
13.6%	27,685	27,684	-1	0.0%
14.8%	26,133	26,114	-19	-0.1%
16.0%	23,868	23,872	3	0.0%
17.3%	22,317	22,315	-1	0.0%
18.5%	21,899	21,902	3	0.0%
19.8%	19,914	19,914	0	0.0%
21.0%	19,913	19,829	-84	-0.4%
22.2%	19,061	19,065	4	0.0%
23.5%	18,950	18,917	-32	-0.2%
24.7%	18,575	18,577	1	0.0%
25.9%	17,103	17,774	671	3.9%
27.2%	16,988	17,094	107	0.6%
28.4%	16,206	16,990	785	4.8%
29.6%	15,564	16,823	1,260	8.1%
30.9%	14,770	16,205	1,435	9.7%
32.1%	14,586	14,765	178	1.2%
33.3%	14,523	14,588	64	0.4%
34.6%	14,058	13,935	-123	-0.9%
35.8%	13,952	13,570	-383	-2.7%
37.0%	12,919	12,922	3	0.0%
38.3%	12,187	12,185	-2	0.0%
39.5%	12,053	12,054	1	0.0%
40.7%	11,601	11,601	0	0.0%
42.0%	9,827	11,084	1,257	12.8%
43.2%	9,764	9,825	61	0.6%
44.4%	9,754	9,754	0	0.0%
45.7%	9,723	9,724	1	0.0%
46.9%	9,723	9,719	-4	0.0%
48.1%	8,104	8,110	7	0.1%
49.4%	7,766	8,102	336	4.3%
50.6%	7,532	7,762	230	3.1%
51.9%	7,377	7,382	5	0.1%
53.1%	7,190	7,211	21	0.3%
54.3%	6,907	7,196	289	4.2%
55.6%	6,816	7,050	234	3.4%
56.8%	6,790	6,795	5	0.1%
58.0%	6,608	6,107	-502	-7.6%
59.3%	6,570	5,527	-1,043	-15.9%
60.5%	6,486	5,378	-1,108	-17.1%
61.7%	5,526	5,333	-192	-3.5%
63.0%	5,376	5,235	-141	-2.6%
64.2%	5,330	5,177	-153	-2.9%
65.4%	5,236	5,001	-235	-4.5%
66.7%	5,183	4,760	-423	-8.2%
67.9%	4,757	4,740	-17	-0.4%
69.1%	4,737	4,533	-204	-4.3%
70.4%	4,530	4,402	-128	-2.8%
71.6%	4,208	4,214	6	0.1%
72.8%	4,114	4,015	-99	-2.4%
74.1%	3,981	3,981	1	0.0%
75.3%	3,731	3,742	11	0.3%
76.5%	3,634	3,635	1	0.0%
77.8%	3,552	3,558	5	0.2%
79.0%	3,371	3,306	-64	-1.9%
80.2%	3,149	3,245	97	3.1%
81.5%	2,970	3,152	183	6.1%
82.7%	2,951	3,055	104	3.5%
84.0%	2,590	2,960	370	14.3%
85.2%	2,435	2,656	221	9.1%
86.4%	2,397	2,576	179	7.5%
87.7%	2,375	2,527	152	6.4%
88.9%	2,372	2,375	3	0.1%
90.1%	2,342	2,195	-147	-6.3%
91.4%	2,187	2,166	-21	-1.0%
92.6%	2,066	2,076	10	0.5%
93.8%	1,151	1,943	792	68.8%
95.1%	1,105	1,156	51	4.6%
96.3%	1,000	1,106	106	10.6%
97.5%	1,000	1,000	0	0.0%
98.8%	750	846	96	12.9%
100.0%	750	750	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,220	1	0.0%
1.2%	30,325	30,333	8	0.0%
2.5%	28,609	28,609	0	0.0%
3.7%	27,668	27,669	1	0.0%
4.9%	27,286	27,292	6	0.0%
6.2%	27,135	27,136	1	0.0%
7.4%	25,742	25,739	-3	0.0%
8.6%	25,476	25,476	0	0.0%
9.9%	21,671	21,668	-2	0.0%
11.1%	18,842	18,840	-3	0.0%
12.3%	17,899	17,900	1	0.0%
13.6%	14,918	14,919	2	0.0%
14.8%	14,839	14,836	-3	0.0%
16.0%	14,496	14,508	12	0.1%
17.3%	13,919	13,907	-12	-0.1%
18.5%	13,789	13,712	-77	-0.6%
19.8%	13,312	13,312	0	0.0%
21.0%	12,756	12,761	5	0.0%
22.2%	11,275	11,276	0	0.0%
23.5%	10,608	10,608	1	0.0%
24.7%	9,858	9,861	2	0.0%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,875	4	0.0%
28.4%	8,864	8,862	-2	0.0%
29.6%	8,375	8,377	3	0.0%
30.9%	8,121	8,121	-1	0.0%
32.1%	7,350	7,345	-5	-0.1%
33.3%	7,271	7,273	2	0.0%
34.6%	7,021	7,021	0	0.0%
35.8%	7,014	7,016	3	0.0%
37.0%	6,996	6,994	-2	0.0%
38.3%	6,938	6,937	-1	0.0%
39.5%	6,925	6,928	3	0.0%
40.7%	6,726	6,726	0	0.0%
42.0%	6,702	6,701	-1	0.0%
43.2%	6,638	6,638	0	0.0%
44.4%	6,477	6,481	3	0.1%
45.7%	6,330	6,335	5	0.1%
46.9%	6,299	6,300	1	0.0%
48.1%	6,210	6,208	-2	0.0%
49.4%	5,826	5,825	-1	0.0%
50.6%	5,681	5,680	-1	0.0%
51.9%	5,637	5,638	0	0.0%
53.1%	5,341	5,342	1	0.0%
54.3%	5,313	5,314	0	0.0%
55.6%	4,983	4,994	11	0.2%
56.8%	4,874	4,876	2	0.0%
58.0%	4,791	4,792	2	0.0%
59.3%	4,778	4,383	-395	-8.3%
60.5%	4,521	4,370	-151	-3.3%
61.7%	4,382	4,154	-228	-5.2%
63.0%	4,356	4,104	-253	-5.8%
64.2%	4,353	4,044	-309	-7.1%
65.4%	4,153	3,864	-289	-7.0%
66.7%	4,097	3,840	-256	-6.3%
67.9%	4,041	3,814	-227	-5.6%
69.1%	3,871	3,779	-92	-2.4%
70.4%	3,778	3,622	-156	-4.1%
71.6%	3,621	3,600	-21	-0.6%
72.8%	3,608	3,549	-60	-1.6%
74.1%	3,557	3,458	-99	-2.8%
75.3%	3,460	3,452	-7	-0.2%
76.5%	3,451	3,314	-137	-4.0%
77.8%	3,320	3,313	-7	-0.2%
79.0%	3,313	3,275	-38	-1.2%
80.2%	3,272	3,052	-221	-6.7%
81.5%	3,108	2,800	-308	-9.9%
82.7%	2,944	2,800	-144	-4.9%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2,800	0	0.0%
95.1%	2,800	2,800	0	0.0%
96.3%	2,571	2,720	149	5.8%
97.5%	2,416	2,571	155	6.4%
98.8%	2,251	2,152	-99	-4.4%
100.0%	1,082	884	-198	-18.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,947	34,947	-1	0.0%
1.2%	32,854	32,851	-3	0.0%
2.5%	30,533	30,535	1	0.0%
3.7%	25,952	25,958	6	0.0%
4.9%	23,972	23,973	1	0.0%
6.2%	21,987	21,988	2	0.0%
7.4%	19,444	19,440	-4	0.0%
8.6%	19,204	19,202	-1	0.0%
9.9%	17,934	17,936	2	0.0%
11.1%	17,385	17,386	1	0.0%
12.3%	16,041	16,044	3	0.0%
13.6%	15,943	15,942	-1	0.0%
14.8%	14,149	14,144	-5	0.0%
16.0%	13,540	13,540	0	0.0%
17.3%	13,417	13,419	2	0.0%
18.5%	12,795	12,795	0	0.0%
19.8%	11,847	11,796	-51	-0.4%
21.0%	10,618	10,633	15	0.1%
22.2%	9,927	9,927	1	0.0%
23.5%	9,712	9,708	-4	0.0%
24.7%	8,938	8,939	0	0.0%
25.9%	8,580	8,580	0	0.0%
27.2%	8,569	8,568	-1	0.0%
28.4%	8,525	8,523	-2	0.0%
29.6%	7,206	8,280	1,073	14.9%
30.9%	7,045	7,046	1	0.0%
32.1%	6,012	6,012	1	0.0%
33.3%	6,010	6,010	0	0.0%
34.6%	5,465	5,437	-28	-0.5%
35.8%	5,436	5,420	-16	-0.3%
37.0%	5,418	5,185	-233	-4.3%
38.3%	5,189	5,182	-6	-0.1%
39.5%	5,185	4,865	-319	-6.2%
40.7%	5,023	4,848	-175	-3.5%
42.0%	4,863	4,821	-42	-0.9%
43.2%	4,844	4,746	-98	-2.0%
44.4%	4,818	4,731	-87	-1.8%
45.7%	4,748	4,690	-59	-1.2%
46.9%	4,730	4,536	-195	-4.1%
48.1%	4,689	4,532	-157	-3.3%
49.4%	4,534	4,525	-9	-0.2%
50.6%	4,532	4,371	-161	-3.6%
51.9%	4,521	4,260	-262	-5.8%
53.1%	4,394	4,215	-179	-4.1%
54.3%	4,370	4,149	-220	-5.0%
55.6%	4,261	4,090	-171	-4.0%
56.8%	4,213	4,066	-146	-3.5%
58.0%	4,151	4,022	-129	-3.1%
59.3%	4,092	4,003	-89	-2.2%
60.5%	4,067	3,872	-195	-4.8%
61.7%	3,999	3,809	-190	-4.7%
63.0%	3,876	3,717	-159	-4.1%
64.2%	3,869	3,699	-170	-4.4%
65.4%	3,811	3,573	-239	-6.3%
66.7%	3,697	3,548	-149	-4.0%
67.9%	3,549	3,518	-31	-0.9%
69.1%	3,454	3,357	-97	-2.8%
70.4%	3,345	3,348	3	0.1%
71.6%	3,203	3,209	7	0.2%
72.8%	3,165	3,204	39	1.2%
74.1%	3,109	2,939	-171	-5.5%
75.3%	2,949	2,912	-37	-1.3%
76.5%	2,911	2,825	-86	-3.0%
77.8%	2,824	2,800	-24	-0.9%
79.0%	2,800	2,800	0	0.0%
80.2%	2,800	2,800	0	0.0%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,540	-260	-9.3%
91.4%	2,770	2,385	-385	-13.9%
92.6%	2,681	2,337	-345	-12.9%
93.8%	2,634	2,182	-452	-17.2%
95.1%	2,546	2,182	-364	-14.3%
96.3%	2,182	2,027	-155	-7.1%
97.5%	1,968	1,486	-481	-24.5%
98.8%	1,000	1,000	0	0.0%
100.0%	750	750	0	0.0%

Table SW-23-7b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,597	-5	0.0%
1.2%	22,426	22,427	1	0.0%
2.5%	19,254	19,261	7	0.0%
3.7%	18,975	19,200	225	1.2%
4.9%	18,580	18,585	5	0.0%
6.2%	18,128	18,126	-2	0.0%
7.4%	17,594	17,590	-3	0.0%
8.6%	12,458	12,920	461	3.7%
9.9%	12,431	12,898	467	3.8%
11.1%	11,983	12,479	495	4.1%
12.3%	10,791	11,286	494	4.6%
13.6%	10,322	10,531	209	2.0%
14.8%	9,132	9,133	1	0.0%
16.0%	9,051	9,051	0	0.0%
17.3%	8,538	8,666	128	1.5%
18.5%	8,197	8,540	343	4.2%
19.8%	8,073	8,501	428	5.3%
21.0%	7,491	7,966	475	6.3%
22.2%	7,260	7,004	-256	-3.5%
23.5%	7,034	6,730	-305	-4.3%
24.7%	6,986	6,466	-520	-7.4%
25.9%	6,397	6,396	-1	0.0%
27.2%	6,105	6,211	106	1.7%
28.4%	5,991	6,143	152	2.5%
29.6%	5,905	6,110	205	3.5%
30.9%	5,715	5,960	245	4.3%
32.1%	5,617	5,705	89	1.6%
33.3%	5,581	5,585	5	0.1%
34.6%	5,578	5,572	-7	-0.1%
35.8%	5,363	5,452	90	1.7%
37.0%	5,291	5,352	61	1.2%
38.3%	5,276	5,348	72	1.4%
39.5%	5,075	5,261	186	3.7%
40.7%	5,075	5,231	156	3.1%
42.0%	5,005	5,189	184	3.7%
43.2%	4,890	5,168	278	5.7%
44.4%	4,880	5,140	260	5.3%
45.7%	4,853	5,105	252	5.2%
46.9%	4,852	5,096	243	5.0%
48.1%	4,682	5,094	412	8.8%
49.4%	4,654	5,040	386	8.3%
50.6%	4,551	5,020	469	10.3%
51.9%	4,391	5,000	609	13.9%
53.1%	4,363	4,988	625	14.3%
54.3%	4,356	4,987	631	14.5%
55.6%	4,334	4,866	532	12.3%
56.8%	4,279	4,783	504	11.8%
58.0%	4,273	4,667	394	9.2%
59.3%	4,258	4,664	406	9.5%
60.5%	4,248	4,631	382	9.0%
61.7%	4,172	4,625	453	10.9%
63.0%	4,163	4,598	435	10.5%
64.2%	4,161	4,328	167	4.0%
65.4%	3,987	4,149	162	4.1%
66.7%	3,801	4,118	317	8.3%
67.9%	3,773	4,066	293	7.8%
69.1%	3,738	4,022	283	7.6%
70.4%	3,734	4,020	286	7.7%
71.6%	3,696	3,951	255	6.9%
72.8%	3,688	3,847	159	4.3%
74.1%	3,587	3,788	201	5.6%
75.3%	3,585	3,784	199	5.6%
76.5%	3,563	3,740	178	5.0%
77.8%	3,497	3,698	202	5.8%
79.0%	3,491	3,687	196	5.6%
80.2%	3,441	3,445	4	0.1%
81.5%	3,413	3,387	-26	-0.8%
82.7%	3,382	3,268	-114	-3.4%
84.0%	3,342	3,176	-166	-5.0%
85.2%	3,324	3,135	-189	-5.7%
86.4%	3,263	2,966	-297	-9.1%
87.7%	3,231	2,929	-303	-9.4%
88.9%	3,209	2,918	-291	-9.1%
90.1%	3,122	2,800	-322	-10.3%
91.4%	3,059	2,666	-392	-12.8%
92.6%	3,007	2,666	-341	-11.3%
93.8%	2,861	2,512	-349	-12.2%
95.1%	2,697	2,336	-361	-13.4%
96.3%	2,650	2,130	-520	-19.6%
97.5%	1,495	1,868	372	24.9%
98.8%	1,000	1,824	824	82.4%
100.0%	750	800	50	6.7%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	12,155	-44	-0.4%
1.2%	11,117	11,113	-4	0.0%
2.5%	10,932	10,896	-36	-0.3%
3.7%	10,891	10,891	0	0.0%
4.9%	10,791	10,737	-54	-0.5%
6.2%	10,697	10,696	-1	0.0%
7.4%	10,656	10,640	-16	-0.1%
8.6%	10,515	10,609	94	0.9%
9.9%	10,498	10,513	15	0.1%
11.1%	10,348	10,495	147	1.4%
12.3%	10,226	10,269	43	0.4%
13.6%	10,124	10,112	-12	-0.1%
14.8%	10,113	10,110	-2	0.0%
16.0%	10,090	10,079	-11	-0.1%
17.3%	10,088	9,838	-250	-2.5%
18.5%	10,071	9,814	-257	-2.5%
19.8%	10,039	9,783	-255	-2.5%
21.0%	9,862	9,749	-113	-1.1%
22.2%	9,824	9,729	-95	-1.0%
23.5%	9,820	9,697	-123	-1.2%
24.7%	9,808	9,662	-146	-1.5%
25.9%	9,800	9,654	-146	-1.5%
27.2%	9,792	9,627	-165	-1.7%
28.4%	9,778	9,617	-161	-1.6%
29.6%	9,752	9,594	-158	-1.6%
30.9%	9,748	9,570	-178	-1.8%
32.1%	9,704	9,560	-144	-1.5%
33.3%	9,642	9,557	-86	-0.9%
34.6%	9,542	9,550	7	0.1%
35.8%	9,487	9,520	32	0.3%
37.0%	9,416	9,426	11	0.1%
38.3%	9,400	9,403	2	0.0%
39.5%	9,341	9,385	44	0.5%
40.7%	9,146	9,286	140	1.5%
42.0%	9,064	9,012	-51	-0.6%
43.2%	9,007	8,993	-14	-0.2%
44.4%	8,977	8,981	3	0.0%
45.7%	8,967	8,970	3	0.0%
46.9%	8,959	8,896	-63	-0.7%
48.1%	8,933	8,759	-174	-1.9%
49.4%	8,928	8,749	-179	-2.0%
50.6%	8,895	8,700	-195	-2.2%
51.9%	8,844	8,695	-150	-1.7%
53.1%	8,815	8,688	-127	-1.4%
54.3%	8,755	8,611	-144	-1.7%
55.6%	8,746	8,518	-228	-2.6%
56.8%	8,713	8,487	-226	-2.6%
58.0%	8,559	8,422	-137	-1.6%
59.3%	8,548	8,392	-155	-1.8%
60.5%	8,525	8,346	-179	-2.1%
61.7%	8,504	8,284	-219	-2.6%
63.0%	8,466	8,154	-312	-3.7%
64.2%	8,394	8,129	-265	-3.2%
65.4%	8,209	8,097	-111	-1.4%
66.7%	8,179	7,914	-265	-3.2%
67.9%	8,115	7,836	-279	-3.4%
69.1%	8,112	7,747	-365	-4.5%
70.4%	7,976	7,598	-378	-4.7%
71.6%	7,769	7,577	-192	-2.5%
72.8%	7,693	7,489	-204	-2.7%
74.1%	7,613	7,483	-130	-1.7%
75.3%	7,582	7,374	-208	-2.7%
76.5%	7,490	7,044	-447	-6.0%
77.8%	7,171	7,016	-155	-2.2%
79.0%	7,083	6,983	-100	-1.4%
80.2%	6,982	6,938	-44	-0.6%
81.5%	6,874	6,812	-62	-0.9%
82.7%	6,341	6,769	429	6.8%
84.0%	6,319	6,718	398	6.3%
85.2%	6,176	6,611	436	7.1%
86.4%	5,857	6,272	415	7.1%
87.7%	5,690	6,167	477	8.4%
88.9%	5,454	6,116	661	12.1%
90.1%	5,373	5,827	453	8.4%
91.4%	5,306	5,717	411	7.8%
92.6%	5,247	5,687	439	8.4%
93.8%	5,083	5,434	351	6.9%
95.1%	4,749	5,049	299	6.3%
96.3%	4,499	4,517	18	0.4%
97.5%	1,866	4,179	2,313	123.9%
98.8%	1,049	1,129	80	7.7%
100.0%	750	1,009	259	34.5%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,947	513	5.4%
1.2%	9,102	9,476	374	4.1%
2.5%	8,950	9,303	353	3.9%
3.7%	8,607	8,827	220	2.6%
4.9%	8,582	8,651	69	0.8%
6.2%	8,566	8,544	-21	-0.2%
7.4%	8,532	8,514	-18	-0.2%
8.6%	8,502	8,502	0	0.0%
9.9%	8,449	8,482	33	0.4%
11.1%	8,327	8,472	145	1.7%
12.3%	8,313	8,352	39	0.5%
13.6%	8,296	8,352	56	0.7%
14.8%	8,256	8,295	39	0.5%
16.0%	8,253	8,292	39	0.5%
17.3%	8,129	8,142	13	0.2%
18.5%	7,984	8,071	88	1.1%
19.8%	7,955	8,069	114	1.4%
21.0%	7,940	8,037	97	1.2%
22.2%	7,918	7,924	7	0.1%
23.5%	7,909	7,915	6	0.1%
24.7%	7,886	7,808	-78	-1.0%
25.9%	7,865	7,657	-208	-2.7%
27.2%	7,859	7,490	-368	-4.7%
28.4%	7,771	7,486	-285	-3.7%
29.6%	7,760	7,427	-333	-4.3%
30.9%	7,744	7,381	-363	-4.7%
32.1%	7,577	7,364	-214	-2.8%
33.3%	7,528	7,337	-190	-2.5%
34.6%	7,395	7,297	-97	-1.3%
35.8%	7,358	7,248	-110	-1.5%
37.0%	7,337	7,202	-135	-1.8%
38.3%	7,308	7,184	-125	-1.7%
39.5%	7,231	7,140	-91	-1.3%
40.7%	7,150	7,083	-66	-0.9%
42.0%	7,104	7,073	-31	-0.4%
43.2%	7,080	7,053	-28	-0.4%
44.4%	6,989	7,021	32	0.5%
45.7%	6,897	6,991	94	1.4%
46.9%	6,890	6,925	36	0.5%
48.1%	6,804	6,871	68	1.0%
49.4%	6,798	6,746	-52	-0.8%
50.6%	6,796	6,692	-104	-1.5%
51.9%	6,795	6,668	-127	-1.9%
53.1%	6,735	6,471	-264	-3.9%
54.3%	6,663	6,104	-559	-8.4%
55.6%	6,661	6,052	-609	-9.1%
56.8%	6,541	5,938	-603	-9.2%
58.0%	6,468	5,743	-724	-11.2%
59.3%	6,400	5,692	-708	-11.1%
60.5%	6,197	5,583	-614	-9.9%
61.7%	6,172	5,539	-633	-10.2%
63.0%	6,000	5,476	-524	-8.7%
64.2%	5,783	5,389	-394	-6.8%
65.4%	5,404	5,324	-81	-1.5%
66.7%	4,998	5,150	152	3.0%
67.9%	4,794	5,049	255	5.3%
69.1%	4,773	4,865	92	1.9%
70.4%	4,759	4,823	64	1.3%
71.6%	4,729	4,805	76	1.6%
72.8%	4,446	4,693	247	5.6%
74.1%	4,257	4,594	338	7.9%
75.3%	4,064	4,576	512	12.6%
76.5%	3,810	4,504	694	18.2%
77.8%	3,739	4,496	757	20.2%
79.0%	3,632	4,477	845	23.3%
80.2%	3,300	4,444	1,144	34.7%
81.5%	3,300	4,263	963	29.2%
82.7%	3,300	4,155	855	25.9%
84.0%	3,269	3,658	389	11.9%
85.2%	2,959	3,650	690	23.3%
86.4%	2,553	3,542	989	38.7%
87.7%	2,536	3,489	953	37.6%
88.9%	2,459	3,473	1,014	41.2%
90.1%	1,943	3,416	1,473	75.8%
91.4%	1,885	1,174	-710	-37.7%
92.6%	1,842	1,051	-790	-42.9%
93.8%	1,711	997	-714	-41.7%
95.1%	1,317	997	-321	-24.3%
96.3%	1,241	960	-282	-22.7%
97.5%	1,228	956	-272	-22.1%
98.8%	1,190	879	-311	-26.1%
100.0%	750	872	122	16.3%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,642	12,766	125	1.0%
1.2%	12,413	12,425	12	0.1%
2.5%	12,149	12,388	238	2.0%
3.7%	12,020	12,074	54	0.5%
4.9%	11,877	12,049	172	1.4%
6.2%	11,870	11,860	-10	-0.1%
7.4%	11,813	11,754	-59	-0.5%
8.6%	11,685	11,751	67	0.6%
9.9%	11,526	11,487	-39	-0.3%
11.1%	11,507	11,423	-84	-0.7%
12.3%	11,501	11,368	-133	-1.2%
13.6%	11,405	11,329	-76	-0.7%
14.8%	11,390	11,326	-63	-0.6%
16.0%	11,337	11,298	-39	-0.3%
17.3%	11,110	11,223	113	1.0%
18.5%	11,048	10,999	-49	-0.4%
19.8%	10,904	10,916	12	0.1%
21.0%	10,673	10,910	237	2.2%
22.2%	10,038	10,656	618	6.2%
23.5%	9,886	10,595	709	7.2%
24.7%	9,864	10,554	690	7.0%
25.9%	9,611	10,430	819	8.5%
27.2%	9,321	10,006	685	7.4%
28.4%	9,283	9,835	552	5.9%
29.6%	9,283	9,653	370	4.0%
30.9%	9,090	9,435	345	3.8%
32.1%	9,090	9,426	337	3.7%
33.3%	8,888	9,316	428	4.8%
34.6%	8,765	9,133	368	4.2%
35.8%	8,666	8,966	300	3.5%
37.0%	8,460	8,957	497	5.9%
38.3%	8,322	8,853	530	6.4%
39.5%	7,992	8,683	691	8.6%
40.7%	7,605	8,602	996	13.1%
42.0%	7,367	7,424	58	0.8%
43.2%	7,298	7,277	-21	-0.3%
44.4%	7,122	6,422	-701	-9.8%
45.7%	6,626	6,229	-397	-6.0%
46.9%	5,496	6,214	718	13.1%
48.1%	5,244	5,955	710	13.5%
49.4%	5,135	5,911	777	15.1%
50.6%	5,093	5,852	759	14.9%
51.9%	4,966	5,781	815	16.4%
53.1%	4,942	5,779	838	16.9%
54.3%	4,928	5,720	792	16.1%
55.6%	4,903	5,707	803	16.4%
56.8%	4,885	5,498	613	12.6%
58.0%	4,779	5,423	644	13.5%
59.3%	4,777	5,388	611	12.8%
60.5%	4,757	5,276	519	10.9%
61.7%	4,681	5,266	585	12.5%
63.0%	4,623	5,232	609	13.2%
64.2%	4,537	4,900	363	8.0%
65.4%	4,407	4,871	463	10.5%
66.7%	4,290	4,730	440	10.3%
67.9%	4,289	4,729	440	10.3%
69.1%	4,270	4,415	146	3.4%
70.4%	4,223	4,347	123	2.9%
71.6%	4,013	4,299	286	7.1%
72.8%	3,962	4,229	268	6.8%
74.1%	3,922	4,093	171	4.4%
75.3%	3,569	4,085	517	14.5%
76.5%	3,329	3,971	642	19.3%
77.8%	3,169	3,956	787	24.8%
79.0%	3,036	3,824	788	26.0%
80.2%	2,960	3,704	744	25.1%
81.5%	2,940	3,690	750	25.5%
82.7%	2,657	3,578	920	34.6%
84.0%	2,627	3,338	711	27.1%
85.2%	2,569	2,694	125	4.9%
86.4%	2,566	2,625	59	2.3%
87.7%	2,565	2,569	4	0.2%
88.9%	2,564	2,568	4	0.1%
90.1%	2,562	2,563	1	0.1%
91.4%	2,557	2,560	3	0.1%
92.6%	2,525	2,499	-26	-1.0%
93.8%	2,473	1,493	-980	-39.6%
95.1%	1,493	1,247	-246	-16.5%
96.3%	1,199	1,201	2	0.2%
97.5%	1,183	1,183	0	0.0%
98.8%	1,060	1,117	56	5.3%
100.0%	992	1,063	71	7.1%

Table SW-24-7a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative C	495	449	458	475	497	602	723	843	817	692	605	520
Difference	19	15	10	9	9	7	4	3	7	26	23	24
Percent Difference[3]	3.9%	3.4%	2.3%	1.9%	1.9%	1.2%	0.6%	0.3%	0.9%	3.9%	4.0%	4.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative C	603	510	509	519	505	634	792	964	960	886	770	627
Difference	13	5	3	0	0	0	0	0	-1	19	8	27
Percent Difference	2.1%	1.0%	0.7%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	2.2%	1.1%	4.5%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative C	552	492	502	519	536	649	796	966	942	762	679	585
Difference	25	18	10	3	3	0	0	0	3	17	18	26
Percent Difference	4.7%	3.9%	2.0%	0.5%	0.5%	0.0%	0.0%	0.0%	0.4%	2.3%	2.7%	4.7%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative C	573	518	510	502	546	643	787	923	905	734	661	581
Difference	15	10	6	2	8	8	0	-4	-2	49	51	17
Percent Difference	2.7%	2.0%	1.3%	0.4%	1.5%	1.3%	-0.1%	-0.5%	-0.2%	7.1%	8.4%	3.0%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative C	414	421	426	447	510	611	714	786	724	563	484	451
Difference	24	25	16	17	15	10	10	8	16	23	33	30
Percent Difference	6.1%	6.4%	3.8%	4.0%	3.1%	1.7%	1.4%	1.1%	2.3%	4.2%	7.2%	7.2%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative C	237	237	291	346	363	421	438	449	419	347	290	256
Difference	22	23	22	30	30	25	13	12	28	27	16	17
Percent Difference	10.4%	10.5%	8.3%	9.5%	8.9%	6.2%	3.1%	2.8%	7.0%	8.3%	5.7%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-24-7b
Folsom Lake, End of Month Storage
Probability of Exceedance

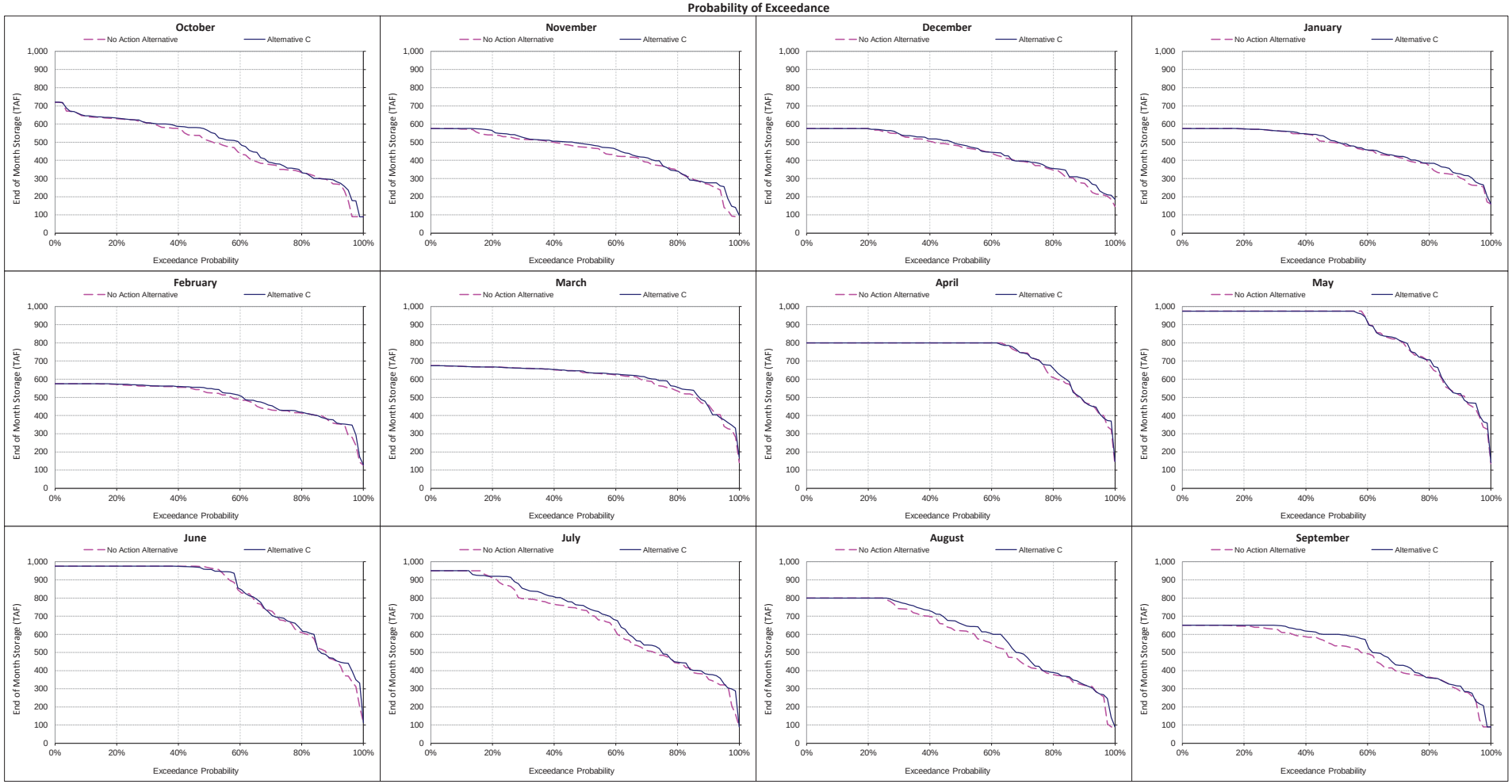

Table SW-24-7b
Folsom Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	720	720	0	0.0%
1.2%	720	720	0	0.0%
2.5%	718	718	0	0.0%
3.7%	671	688	17	2.5%
4.9%	670	670	0	0.0%
6.2%	668	668	0	0.0%
7.4%	659	659	0	0.0%
8.6%	646	651	5	0.8%
9.9%	645	645	0	0.0%
11.1%	639	644	5	0.8%
12.3%	638	642	4	0.6%
13.6%	638	640	1	0.2%
14.8%	638	639	1	0.2%
16.0%	634	637	3	0.4%
17.3%	633	636	3	0.5%
18.5%	631	635	3	0.5%
19.8%	630	634	5	0.8%
21.0%	628	631	4	0.6%
22.2%	626	628	1	0.2%
23.5%	624	626	3	0.4%
24.7%	624	625	1	0.2%
25.9%	623	623	0	0.0%
27.2%	615	623	8	1.2%
28.4%	613	613	0	0.0%
29.6%	605	608	3	0.4%
30.9%	605	606	1	0.1%
32.1%	599	602	3	0.5%
33.3%	592	600	8	1.3%
34.6%	581	600	19	3.2%
35.8%	581	600	19	3.3%
37.0%	579	599	20	3.4%
38.3%	577	595	19	3.2%
39.5%	576	588	12	2.1%
40.7%	574	586	12	2.0%
42.0%	551	585	34	6.1%
43.2%	540	581	41	7.6%
44.4%	539	581	41	7.6%
45.7%	538	580	43	7.9%
46.9%	537	579	42	7.9%
48.1%	518	575	58	11.1%
49.4%	510	565	55	10.7%
50.6%	504	552	49	9.7%
51.9%	496	547	51	10.4%
53.1%	494	524	30	6.0%
54.3%	485	519	35	7.2%
55.6%	477	512	34	7.2%
56.8%	473	512	38	8.1%
58.0%	471	510	39	8.3%
59.3%	446	504	58	12.9%
60.5%	433	484	51	11.8%
61.7%	430	477	47	10.8%
63.0%	411	455	44	10.7%
64.2%	400	446	47	11.6%
65.4%	393	444	51	13.0%
66.7%	384	414	30	7.8%
67.9%	382	409	27	7.1%
69.1%	378	392	13	3.5%
70.4%	376	387	11	3.0%
71.6%	372	381	8	2.2%
72.8%	350	379	29	8.4%
74.1%	350	370	20	5.8%
75.3%	348	358	10	2.8%
76.5%	347	357	9	2.7%
77.8%	345	355	10	3.0%
79.0%	339	350	11	3.2%
80.2%	331	331	0	0.0%
81.5%	328	329	0	0.1%
82.7%	323	314	-9	-2.7%
84.0%	315	300	-15	-4.7%
85.2%	303	300	-3	-1.1%
86.4%	298	298	0	0.0%
87.7%	297	297	0	0.0%
88.9%	288	296	8	2.8%
90.1%	270	294	23	8.7%
91.4%	269	282	12	4.6%
92.6%	267	273	7	2.4%
93.8%	232	256	24	10.4%
95.1%	177	237	60	33.8%
96.3%	90	179	89	98.5%
97.5%	90	177	87	97.1%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	572	575	3	0.5%
11.1%	572	575	3	0.5%
12.3%	571	575	4	0.7%
13.6%	570	575	5	0.9%
14.8%	556	575	19	3.5%
16.0%	547	572	25	4.6%
17.3%	543	572	29	5.3%
18.5%	541	570	29	5.4%
19.8%	540	566	25	4.7%
21.0%	539	551	12	2.2%
22.2%	537	549	12	2.2%
23.5%	531	547	16	3.0%
24.7%	530	546	16	3.0%
25.9%	528	542	14	2.6%
27.2%	522	541	20	3.7%
28.4%	517	535	17	3.4%
29.6%	517	528	11	2.2%
30.9%	516	522	7	1.3%
32.1%	513	517	3	0.7%
33.3%	513	515	2	0.4%
34.6%	512	514	2	0.4%
35.8%	511	513	2	0.5%
37.0%	508	512	3	0.6%
38.3%	502	511	10	1.9%
39.5%	501	505	4	0.7%
40.7%	497	505	8	1.6%
42.0%	495	503	9	1.8%
43.2%	487	502	15	3.1%
44.4%	486	501	15	3.1%
45.7%	481	501	20	4.1%
46.9%	478	497	19	4.0%
48.1%	474	494	20	4.2%
49.4%	473	492	19	4.1%
50.6%	472	488	17	3.5%
51.9%	468	486	18	3.9%
53.1%	466	481	15	3.3%
54.3%	465	480	14	3.1%
55.6%	448	472	24	5.3%
56.8%	436	470	35	7.9%
58.0%	433	470	37	8.5%
59.3%	433	466	33	7.7%
60.5%	424	458	35	8.2%
61.7%	422	448	26	6.1%
63.0%	421	441	19	4.6%
64.2%	419	438	19	4.6%
65.4%	417	428	11	2.7%
66.7%	416	423	7	1.6%
67.9%	407	419	12	3.0%
69.1%	393	417	24	6.2%
70.4%	390	414	24	6.0%
71.6%	377	403	26	6.9%
72.8%	373	399	25	6.7%
74.1%	372	397	25	6.8%
75.3%	369	369	-1	-0.2%
76.5%	366	361	-5	-1.3%
77.8%	354	347	-8	-2.1%
79.0%	351	343	-8	-2.2%
80.2%	336	339	3	1.0%
81.5%	326	324	-2	-0.6%
82.7%	312	318	6	1.9%
84.0%	311	292	-19	-6.2%
85.2%	294	291	-4	-1.2%
86.4%	290	286	-3	-1.2%
87.7%	278	285	7	2.7%
88.9%	272	278	6	2.2%
90.1%	268	277	9	3.5%
91.4%	256	277	21	8.0%
92.6%	247	276	29	11.8%
93.8%	237	259	22	9.4%
95.1%	141	256	115	81.5%
96.3%	124	189	66	53.1%
97.5%	94	148	54	57.6%
98.8%	90	141	51	56.7%
100.0%	90	98	8	8.5%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	575	575	0	0.0%
19.8%	575	575	0	0.0%
21.0%	572	571	-1	-0.1%
22.2%	567	571	3	0.6%
23.5%	567	570	3	0.4%
24.7%	560	567	6	1.1%
25.9%	558	564	6	1.1%
27.2%	551	564	13	2.4%
28.4%	549	560	12	2.1%
29.6%	548	549	1	0.1%
30.9%	536	540	4	0.7%
32.1%	528	536	8	1.6%
33.3%	527	536	9	1.7%
34.6%	520	534	14	2.8%
35.8%	518	530	12	2.2%
37.0%	518	529	11	2.1%
38.3%	515	528	13	2.5%
39.5%	507	519	12	2.4%
40.7%	502	518	16	3.2%
42.0%	495	518	23	4.6%
43.2%	493	515	22	4.5%
44.4%	493	509	16	3.3%
45.7%	490	509	19	3.9%
46.9%	485	502	17	3.4%
48.1%	483	493	11	2.2%
49.4%	481	489	8	1.7%
50.6%	470	485	15	3.1%
51.9%	469	481	11	2.4%
53.1%	464	473	9	2.0%
54.3%	462	469	7	1.4%
55.6%	457	464	7	1.6%
56.8%	455	449	-6	-1.3%
58.0%	448	446	-1	-0.3%
59.3%	446	446	0	-0.1%
60.5%	436	444	9	2.0%
61.7%	427	443	17	3.9%
63.0%	421	441	19	4.6%
64.2%	414	426	12	3.0%
65.4%	409	425	15	3.7%
66.7%	404	401	-3	-0.8%
67.9%	396	397	1	0.3%
69.1%	395	397	2	0.5%
70.4%	394	396	2	0.4%
71.6%	389	395	6	1.5%
72.8%	388	389	1	0.3%
74.1%	372	388	16	4.4%
75.3%	371	384	13	3.4%
76.5%	367	378	11	2.9%
77.8%	358	365	7	1.9%
79.0%	352	358	6	1.6%
80.2%	345	354	9	2.7%
81.5%	343	354	10	3.0%
82.7%	329	351	22	6.7%
84.0%	308	346	38	12.3%
85.2%	305	310	5	1.6%
86.4%	302	310	7	2.4%
87.7%	277	310	32	11.7%
88.9%	277	305	28	10.3%
90.1%	273	300	27	9.9%
91.4%	250	291	42	16.8%
92.6%	224	269	46	20.4%
93.8%	215	264	49	23.0%
95.1%	213	232	19	8.9%
96.3%	210	219	9	4.3%
97.5%	203	210	7	3.6%
98.8%	186	208	22	11.8%
100.0%	146	186	40	27.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	574	575	1	0.2%
19.8%	574	574	0	0.0%
21.0%	572	572	0	0.0%
22.2%	571	571	0	0.0%
23.5%	571	571	0	0.0%
24.7%	571	571	0	0.0%
25.9%	570	570	0	0.0%
27.2%	568	568	0	0.0%
28.4%	566	566	0	0.0%
29.6%	564	564	0	0.0%
30.9%	562	562	0	0.0%
32.1%	560	561	1	0.2%
33.3%	560	560	0	0.0%
34.6%	554	560	6	1.1%
35.8%	547	557	9	1.7%
37.0%	547	554	7	1.3%
38.3%	545	547	2	0.3%
39.5%	544	547	3	0.5%
40.7%	543	544	1	0.2%
42.0%	540	543	3	0.6%
43.2%	527	543	16	3.0%
44.4%	507	538	31	6.2%
45.7%	505	535	30	5.9%
46.9%	502	523	21	4.2%
48.1%	500	510	10	1.9%
49.4%	498	507	8	1.7%
50.6%	494	498	4	0.8%
51.9%	492	492	0	0.0%
53.1%	479	492	12	2.6%
54.3%	479	480	1	0.2%
55.6%	478	479	1	0.2%
56.8%	465	471	6	1.4%
58.0%	460	469	9	2.0%
59.3%	456	460	4	0.9%
60.5%	454	457	2	0.5%
61.7%	452	456	4	0.9%
63.0%	437	453	16	3.7%
64.2%	431	444	13	3.0%
65.4%	430	437	7	1.7%
66.7%	428	431	3	0.8%
67.9%	426	430	4	0.9%
69.1%	422	424	2	0.4%
70.4%	415	422	7	1.6%
71.6%	412	422	10	2.5%
72.8%	400	415	15	3.8%
74.1%	394	403	9	2.2%
75.3%	390	402	12	3.0%
76.5%	387	397	10	2.5%
77.8%	385	387	2	0.6%
79.0%	384	386	2	0.5%
80.2%	366	384	18	5.0%
81.5%	345	384	39	11.4%
82.7%	333	376	43	12.8%
84.0%	330	364	34	10.4%
85.2%	328	362	34	10.3%
86.4%	325	356	31	9.6%
87.7%	323	333	10	3.2%
88.9%	317	328	11	3.5%
90.1%	303	325	23	7.4%
91.4%	294	317	23	7.8%
92.6%	272	316	44	16.2%
93.8%	263	303	39	14.9%
95.1%	263	281	18	7.0%
96.3%	261	270	9	3.3%
97.5%	254	265	12	4.6%
98.8%	172	201	28	16.5%
100.0%	159	161	1	0.8%

Table SW-24-7b
Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	574	575	1	0.2%
16.0%	574	575	1	0.2%
17.3%	574	575	1	0.2%
18.5%	572	574	2	0.3%
19.8%	572	574	2	0.3%
21.0%	570	573	3	0.5%
22.2%	568	572	4	0.7%
23.5%	566	572	6	1.1%
24.7%	566	570	4	0.7%
25.9%	566	569	3	0.6%
27.2%	563	568	5	0.9%
28.4%	563	568	5	0.8%
29.6%	563	566	3	0.5%
30.9%	563	566	3	0.5%
32.1%	562	563	1	0.2%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	563	4	0.7%
37.0%	559	562	3	0.5%
38.3%	559	562	3	0.5%
39.5%	556	560	4	0.7%
40.7%	556	560	4	0.7%
42.0%	555	559	4	0.7%
43.2%	554	559	5	0.9%
44.4%	548	556	8	1.5%
45.7%	544	556	12	2.3%
46.9%	543	555	12	2.2%
48.1%	533	554	21	4.0%
49.4%	526	548	22	4.2%
50.6%	525	548	23	4.4%
51.9%	524	544	20	3.8%
53.1%	522	543	21	4.0%
54.3%	514	526	12	2.4%
55.6%	513	524	11	2.1%
56.8%	504	522	18	3.5%
58.0%	493	519	26	5.2%
59.3%	491	513	23	4.6%
60.5%	484	505	21	4.4%
61.7%	484	488	4	0.8%
63.0%	478	484	6	1.3%
64.2%	471	484	13	2.8%
65.4%	451	478	27	6.1%
66.7%	443	475	32	7.3%
67.9%	437	468	31	7.1%
69.1%	435	458	23	5.2%
70.4%	430	453	24	5.5%
71.6%	429	441	12	2.8%
72.8%	429	430	1	0.2%
74.1%	427	429	2	0.5%
75.3%	427	429	2	0.5%
76.5%	417	429	11	2.7%
77.8%	416	427	11	2.6%
79.0%	416	420	4	1.0%
80.2%	413	417	5	1.2%
81.5%	412	412	0	0.0%
82.7%	408	408	0	0.0%
84.0%	404	404	0	0.0%
85.2%	400	400	0	0.0%
86.4%	400	389	-11	-2.7%
87.7%	386	384	-2	-0.5%
88.9%	370	379	9	2.5%
90.1%	359	376	17	4.8%
91.4%	355	359	4	1.2%
92.6%	353	355	2	0.5%
93.8%	350	353	3	0.9%
95.1%	289	350	61	21.1%
96.3%	281	347	66	23.6%
97.5%	236	295	59	24.9%
98.8%	144	172	28	19.5%
100.0%	127	129	2	1.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	675	675	0	0.0%
1.2%	675	675	0	0.0%
2.5%	675	675	0	0.0%
3.7%	675	675	0	0.0%
4.9%	673	673	0	0.0%
6.2%	673	673	0	0.0%
7.4%	673	673	0	0.0%
8.6%	672	672	0	0.0%
9.9%	672	672	0	0.0%
11.1%	670	670	0	0.0%
12.3%	669	669	0	0.0%
13.6%	669	669	0	0.0%
14.8%	668	668	0	0.0%
16.0%	668	668	0	0.0%
17.3%	667	667	0	0.0%
18.5%	667	667	0	0.0%
19.8%	667	667	0	0.0%
21.0%	667	667	0	0.0%
22.2%	667	666	-1	-0.1%
23.5%	666	664	-2	-0.3%
24.7%	664	664	0	0.0%
25.9%	664	662	-2	-0.3%
27.2%	662	662	0	0.0%
28.4%	662	661	-1	-0.2%
29.6%	661	661	0	0.0%
30.9%	660	660	0	0.0%
32.1%	660	659	-1	-0.2%
33.3%	659	658	-1	-0.1%
34.6%	658	658	0	0.0%
35.8%	657	657	0	0.0%
37.0%	656	656	0	0.0%
38.3%	656	656	0	0.0%
39.5%	653	654	1	0.1%
40.7%	650	653	3	0.5%
42.0%	650	651	2	0.2%
43.2%	647	650	3	0.5%
44.4%	647	647	0	0.0%
45.7%	647	647	0	0.0%
46.9%	646	647	1	0.1%
48.1%	645	646	1	0.2%
49.4%	637	645	8	1.3%
50.6%	636	637	1	0.1%
51.9%	634	635	1	0.2%
53.1%	634	634	0	0.1%
54.3%	633	634	1	0.2%
55.6%	629	634	5	0.8%
56.8%	628	632	4	0.7%
58.0%	628	629	1	0.2%
59.3%	625	628	3	0.5%
60.5%	622	628	6	1.0%
61.7%	621	625	4	0.6%
63.0%	617	624	7	1.1%
64.2%	615	622	7	1.1%
65.4%	615	621	6	1.0%
66.7%	612	620	8	1.3%
67.9%	600	615	15	2.5%
69.1%	592	615	23	3.9%
70.4%	590	607	17	2.8%
71.6%	588	602	14	2.4%
72.8%	566	600	34	6.0%
74.1%	564	592	29	5.1%
75.3%	561	592	31	5.6%
76.5%	554	590	36	6.5%
77.8%	551	564	13	2.3%
79.0%	542	561	19	3.6%
80.2%	533	554	21	4.0%
81.5%	520	546	26	5.1%
82.7%	520	543	23	4.5%
84.0%	519	541	22	4.2%
85.2%	512	539	27	5.3%
86.4%	492	511	19	3.9%
87.7%	470	488	18	3.8%
88.9%	464	480	16	3.3%
90.1%	456	445	-11	-2.4%
91.4%	428	405	-23	-5.3%
92.6%	406	405	-1	-0.2%
93.8%	405	388	-17	-4.1%
95.1%	341	377	36	10.6%
96.3%	328	362	34	10.4%
97.5%	322	347	26	8.0%
98.8%	282	330	48	17.1%
100.0%	141	169	28	19.8%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	791	-9	-1.1%
64.2%	792	785	-6	-0.8%
65.4%	785	785	0	0.0%
66.7%	766	779	13	1.7%
67.9%	757	765	8	1.1%
69.1%	747	746	0	0.0%
70.4%	745	744	-1	-0.1%
71.6%	744	739	-6	-0.8%
72.8%	718	717	-1	-0.1%
74.1%	712	712	0	0.1%
75.3%	705	705	0	0.0%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	676	61	9.9%
80.2%	607	655	48	7.9%
81.5%	597	632	35	5.8%
82.7%	596	615	19	3.2%
84.0%	578	602	24	4.2%
85.2%	572	586	14	2.5%
86.4%	536	528	-8	-1.5%
87.7%	506	514	8	1.6%
88.9%	497	500	3	0.7%
90.1%	472	475	3	0.7%
91.4%	464	459	-5	-1.0%
92.6%	460	451	-9	-2.1%
93.8%	434	446	13	3.0%
95.1%	403	409	6	1.6%
96.3%	400	387	-13	-3.3%
97.5%	339	372	33	9.8%
98.8%	322	371	49	15.1%
100.0%	128	147	18	14.3%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	975	0	0.0%
46.9%	975	975	0	0.0%
48.1%	975	975	0	0.0%
49.4%	975	975	0	0.0%
50.6%	975	975	0	0.0%
51.9%	975	975	0	0.0%
53.1%	975	975	0	0.0%
54.3%	975	975	0	0.0%
55.6%	975	975	0	0.0%
56.8%	975	965	-10	-1.0%
58.0%	975	959	-16	-1.6%
59.3%	943	942	-1	-0.1%
60.5%	898	898	0	0.0%
61.7%	893	893	-1	-0.1%
63.0%	857	856	-1	-0.2%
64.2%	854	843	-11	-1.3%
65.4%	837	838	2	0.2%
66.7%	830	836	6	0.7%
67.9%	821	831	10	1.2%
69.1%	820	826	6	0.8%
70.4%	813	814	1	0.2%
71.6%	800	805	6	0.7%
72.8%	770	797	27	3.5%
74.1%	752	752	0	0.0%
75.3%	733	746	13	1.8%
76.5%	730	724	-6	-0.9%
77.8%	723	717	-6	-0.9%
79.0%	708	708	0	0.0%
80.2%	678	707	29	4.3%
81.5%	649	671	22	3.4%
82.7%	638	664	26	4.1%
84.0%	608	611	4	0.6%
85.2%	560	578	17	3.1%
86.4%	547	550	3	0.5%
87.7%	534	527	-7	-1.3%
88.9%	522	521	-1	-0.1%
90.1%	509	520	11	2.2%
91.4%	508	484	-24	-4.8%
92.6%	464	471	7	1.6%
93.8%	451	469	18	4.0%
95.1%	437	468	31	7.2%
96.3%	393	399	6	1.4%
97.5%	337	366	29	8.6%
98.8%	325	359	34	10.5%
100.0%	135	141	5	4.0%

Table SW-24-7b
Folsom Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	974	-1	-0.1%
43.2%	975	973	-2	-0.2%
44.4%	975	972	-3	-0.3%
45.7%	975	970	-5	-0.5%
46.9%	974	969	-6	-0.6%
48.1%	973	959	-14	-1.5%
49.4%	969	958	-11	-1.1%
50.6%	964	957	-6	-0.6%
51.9%	960	947	-12	-1.3%
53.1%	957	947	-10	-1.1%
54.3%	937	946	8	0.9%
55.6%	914	946	32	3.5%
56.8%	895	944	49	5.4%
58.0%	885	937	52	5.9%
59.3%	845	855	11	1.3%
60.5%	828	845	17	2.0%
61.7%	827	825	-2	-0.2%
63.0%	823	813	-10	-1.3%
64.2%	798	807	9	1.1%
65.4%	771	793	21	2.8%
66.7%	766	775	10	1.2%
67.9%	735	742	7	0.9%
69.1%	733	725	-9	-1.2%
70.4%	726	703	-23	-3.2%
71.6%	703	695	-8	-1.1%
72.8%	679	691	13	1.9%
74.1%	676	689	13	1.9%
75.3%	667	673	6	0.9%
76.5%	661	666	5	0.8%
77.8%	628	661	33	5.3%
79.0%	614	640	26	4.2%
80.2%	608	616	8	1.3%
81.5%	600	613	13	2.1%
82.7%	595	605	10	1.7%
84.0%	576	599	23	4.0%
85.2%	524	514	-10	-1.9%
86.4%	517	494	-23	-4.5%
87.7%	507	489	-18	-3.6%
88.9%	468	471	3	0.7%
90.1%	461	469	7	1.6%
91.4%	451	453	2	0.4%
92.6%	423	446	22	5.3%
93.8%	371	442	71	19.1%
95.1%	370	440	70	19.0%
96.3%	338	398	60	17.6%
97.5%	311	350	39	12.4%
98.8%	201	331	130	64.8%
100.0%	113	113	0	0.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	950	950	0	0.0%
1.2%	950	950	0	0.0%
2.5%	950	950	0	0.0%
3.7%	950	950	0	0.0%
4.9%	950	950	0	0.0%
6.2%	950	950	0	0.0%
7.4%	950	950	0	0.0%
8.6%	950	950	0	0.0%
9.9%	950	950	0	0.0%
11.1%	950	950	0	0.0%
12.3%	950	950	0	0.0%
13.6%	950	930	-20	-2.1%
14.8%	950	926	-24	-2.5%
16.0%	950	924	-26	-2.7%
17.3%	933	924	-9	-0.9%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	919	11	1.3%
22.2%	886	919	34	3.8%
23.5%	874	918	45	5.1%
24.7%	871	918	47	5.5%
25.9%	864	914	50	5.8%
27.2%	845	891	45	5.4%
28.4%	802	879	76	9.5%
29.6%	797	855	58	7.2%
30.9%	795	847	53	6.6%
32.1%	794	839	45	5.7%
33.3%	792	838	46	5.9%
34.6%	788	836	48	6.1%
35.8%	782	830	47	6.0%
37.0%	780	819	39	5.0%
38.3%	771	812	40	5.2%
39.5%	769	810	40	5.3%
40.7%	763	803	40	5.2%
42.0%	760	803	42	5.5%
43.2%	759	792	33	4.3%
44.4%	748	780	32	4.2%
45.7%	747	779	32	4.3%
46.9%	746	763	17	2.3%
48.1%	737	760	24	3.2%
49.4%	733	760	27	3.6%
50.6%	731	746	15	2.1%
51.9%	703	737	34	4.8%
53.1%	700	729	30	4.3%
54.3%	679	726	47	7.0%
55.6%	679	712	33	4.9%
56.8%	669	706	38	5.7%
58.0%	663	700	37	5.5%
59.3%	636	683	47	7.4%
60.5%	600	675	75	12.5%
61.7%	588	639	51	8.7%
63.0%	571	628	56	9.9%
64.2%	568	600	32	5.7%
65.4%	542	586	44	8.1%
66.7%	539	565	26	4.8%
67.9%	532	562	31	5.8%
69.1%	519	542	23	4.4%
70.4%	509	541	32	6.4%
71.6%	505	540	35	6.9%
72.8%	497	535	37	7.4%
74.1%	485	521	36	7.5%
75.3%	484	492	8	1.7%
76.5%	476	490	13	2.8%
77.8%	466	464	-2	-0.4%
79.0%	444	449	6	1.3%
80.2%	440	446	7	1.6%
81.5%	438	443	5	1.1%
82.7%	417	442	25	6.1%
84.0%	415	406	-8	-2.0%
85.2%	389	401	12	3.1%
86.4%	384	401	18	4.6%
87.7%	383	398	15	4.0%
88.9%	379	384	5	1.3%
90.1%	351	380	28	8.1%
91.4%	344	378	34	10.0%
92.6%	332	372	40	12.0%
93.8%	321	358	37	11.5%
95.1%	321	328	7	2.2%
96.3%	318	305	-13	-4.2%
97.5%	209	300	91	43.8%
98.8%	159	289	130	82.1%
100.0%	90	90	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	791	800	9	1.1%
27.2%	781	794	13	1.7%
28.4%	765	786	21	2.7%
29.6%	742	780	39	5.2%
30.9%	741	774	33	4.4%
32.1%	739	769	30	4.0%
33.3%	738	762	25	3.3%
34.6%	719	757	38	5.3%
35.8%	714	748	33	4.7%
37.0%	706	742	36	5.1%
38.3%	701	736	35	4.9%
39.5%	700	732	32	4.6%
40.7%	696	724	28	4.0%
42.0%	688	712	24	3.4%
43.2%	660	710	50	7.5%
44.4%	657	696	39	6.0%
45.7%	640	677	37	5.8%
46.9%	634	675	40	6.4%
48.1%	620	674	54	8.7%
49.4%	620	663	43	6.9%
50.6%	618	654	35	5.7%
51.9%	618	646	28	4.6%
53.1%	608	643	36	5.9%
54.3%	603	643	40	6.7%
55.6%	574	642	68	11.8%
56.8%	573	614	41	7.2%
58.0%	562	613	52	9.2%
59.3%	556	608	52	9.4%
60.5%	543	600	57	10.6%
61.7%	528	600	72	13.7%
63.0%	523	600	77	14.7%
64.2%	517	577	59	11.4%
65.4%	474	553	79	16.6%
66.7%	472	523	51	10.8%
67.9%	472	500	29	6.0%
69.1%	452	498	47	10.3%
70.4%	436	491	55	12.5%
71.6%	426	471	45	10.5%
72.8%	415	448	33	7.8%
74.1%	412	425	13	3.1%
75.3%	409	423	14	3.5%
76.5%	401	400	-1	-0.3%
77.8%	387	398	11	2.8%
79.0%	381	392	11	2.9%
80.2%	378	389	11	3.0%
81.5%	374	384	10	2.7%
82.7%	371	371	0	-0.1%
84.0%	365	369	4	1.1%
85.2%	361	366	5	1.3%
86.4%	336	349	13	3.9%
87.7%	330	344	14	4.2%
88.9%	324	331	8	2.3%
90.1%	319	322	3	0.9%
91.4%	318	313	-5	-1.4%
92.6%	312	304	-8	-2.5%
93.8%	283	284	2	0.5%
95.1%	269	272	3	1.1%
96.3%	257	268	11	4.3%
97.5%	106	246	140	132.4%
98.8%	90	143	53	59.3%
100.0%	90	90	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	650	650	0	0.0%
1.2%	650	650	0	0.0%
2.5%	650	650	0	0.0%
3.7%	650	650	0	0.0%
4.9%	650	650	0	0.0%
6.2%	650	650	0	0.0%
7.4%	650	650	0	0.0%
8.6%	650	650	0	0.0%
9.9%	650	650	0	0.0%
11.1%	650	650	0	0.0%
12.3%	650	650	0	0.0%
13.6%	650	650	0	0.0%
14.8%	650	650	0	0.1%
16.0%	648	650	2	0.3%
17.3%	646	650	4	0.6%
18.5%	645	650	5	0.8%
19.8%	645	650	5	0.8%
21.0%	644	650	6	0.9%
22.2%	644	650	6	0.9%
23.5%	638	650	12	1.8%
24.7%	638	650	12	1.9%
25.9%	637	650	13	2.0%
27.2%	633	650	17	2.6%
28.4%	630	650	20	3.2%
29.6%	629	650	21	3.3%
30.9%	625	649	24	3.8%
32.1%	610	647	37	6.0%
33.3%	609	645	36	5.9%
34.6%	608	636	28	4.7%
35.8%	600	633	33	5.6%
37.0%	593	627	34	5.8%
38.3%	591	626	35	5.9%
39.5%	589	620	31	5.3%
40.7%	585	617	32	5.5%
42.0%	584	616	32	5.4%
43.2%	584	612	28	4.8%
44.4%	575	602	28	4.8%
45.7%	567	600	33	5.9%
46.9%	555	600	45	8.1%
48.1%	547	600	53	9.6%
49.4%	537	600	63	11.8%
50.6%	537	600	63	11.7%
51.9%	536	597	61	11.3%
53.1%	534	595	61	11.4%
54.3%	528	591	63	11.9%
55.6%	520	589	69	13.2%
56.8%	518	584	65	12.6%
58.0%	498	576	77	15.5%
59.3%	494	572	78	15.8%
60.5%	492	522	30	6.2%
61.7%	482	499	17	3.6%
63.0%	448	498	50	11.2%
64.2%	437	495	58	13.3%
65.4%	420	481	61	14.5%
66.7%	416	473	58	13.8%
67.9%	415	450	34	8.2%
69.1%	399	433	34	8.4%
70.4%	395	429	34	8.5%
71.6%	387	429	41	10.7%
72.8%	383	423	40	10.3%
74.1%	379	411	32	8.4%
75.3%	377	390	13	3.5%
76.5%	373	386	13	3.5%
77.8%	371	374	3	0.8%
79.0%	365	363	-2	-0.5%
80.2%	364	359	-5	-1.3%
81.5%	360	359	-1	-0.3%
82.7%	357	356	-1	-0.2%
84.0%	348	345	-2	-0.7%
85.2%	336	336	0	-0.1%
86.4%	325	325	0	0.1%
87.7%	309	321	12	3.9%
88.9%	300	316	16	5.3%
90.1%	287	315	28	9.6%
91.4%	283	286	3	1.2%
92.6%	280	284	4	1.3%
93.8%	260	276	16	6.1%
95.1%	243	231	-12	-5.1%
96.3%	129	217	88	68.0%
97.5%	90	207	117	130.0%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

Table SW-25-7a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative C	413	407	409	411	414	427	440	452	449	435	426	416
Difference	3	3	2	1	1	1	1	0	1	3	3	4
Percent Difference[3]	0.7%	0.6%	0.4%	0.3%	0.3%	0.2%	0.1%	0.1%	0.2%	0.7%	0.8%	0.9%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative C	428	416	416	417	416	432	448	465	464	457	446	431
Difference	2	1	0	0	0	0	0	0	0	2	1	3
Percent Difference	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	0.8%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative C	421	414	415	417	419	433	448	465	463	445	436	426
Difference	3	2	1	0	0	0	0	0	0	2	2	3
Percent Difference	0.7%	0.6%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.4%	0.5%	0.8%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative C	424	417	416	415	421	433	448	461	459	441	434	425
Difference	2	1	1	0	1	1	0	0	0	5	6	2
Percent Difference	0.5%	0.3%	0.2%	0.1%	0.2%	0.2%	0.0%	-0.1%	0.0%	1.2%	1.3%	0.5%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative C	403	404	405	408	416	429	440	447	441	422	412	408
Difference	3	3	2	2	2	1	1	1	2	3	4	4
Percent Difference	0.8%	0.8%	0.6%	0.6%	0.5%	0.3%	0.3%	0.2%	0.4%	0.6%	1.0%	1.0%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative C	372	373	384	393	394	404	406	407	402	392	382	375
Difference	7	8	5	5	5	4	2	2	5	5	5	5
Percent Difference	1.9%	2.1%	1.3%	1.4%	1.3%	1.0%	0.6%	0.5%	1.1%	1.3%	1.3%	1.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-25-7b
Folsom Lake, End of Month Elevation
Probability of Exceedance

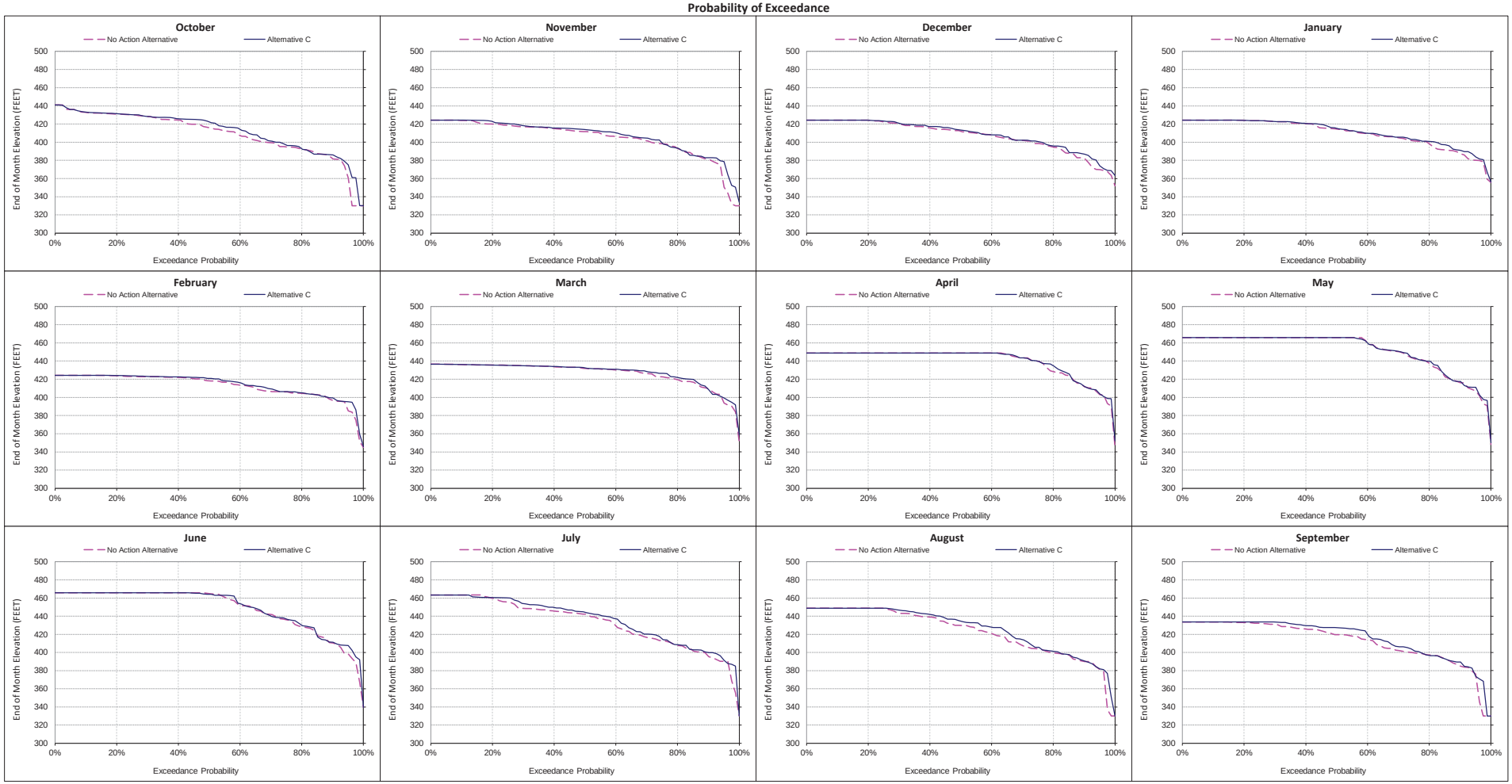

Table SW-25-7b
Folsom Lake, End of Month Elevation
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	441	441	0	0.0%
1.2%	441	441	0	0.0%
2.5%	441	441	0	0.0%
3.7%	436	438	2	0.4%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	435	435	0	0.0%
8.6%	433	434	1	0.1%
9.9%	433	433	0	0.0%
11.1%	432	433	1	0.1%
12.3%	432	433	0	0.1%
13.6%	432	432	0	0.0%
14.8%	432	432	0	0.0%
16.0%	432	432	0	0.1%
17.3%	431	432	0	0.1%
18.5%	431	432	0	0.1%
19.8%	431	432	1	0.1%
21.0%	431	431	0	0.1%
22.2%	431	431	0	0.0%
23.5%	430	431	0	0.1%
24.7%	430	430	0	0.0%
25.9%	430	430	0	0.0%
27.2%	429	430	1	0.2%
28.4%	429	429	0	0.0%
29.6%	428	428	0	0.1%
30.9%	428	428	0	0.0%
32.1%	427	428	0	0.1%
33.3%	426	427	1	0.2%
34.6%	425	427	2	0.5%
35.8%	425	427	2	0.6%
37.0%	425	427	2	0.6%
38.3%	425	427	2	0.5%
39.5%	424	426	1	0.3%
40.7%	424	426	1	0.3%
42.0%	421	426	4	1.0%
43.2%	420	425	5	1.2%
44.4%	420	425	5	1.2%
45.7%	420	425	5	1.2%
46.9%	420	425	5	1.2%
48.1%	417	424	7	1.7%
49.4%	416	423	7	1.6%
50.6%	416	422	6	1.4%
51.9%	415	421	6	1.5%
53.1%	414	418	4	0.9%
54.3%	413	417	4	1.0%
55.6%	412	417	4	1.0%
56.8%	412	416	5	1.2%
58.0%	411	416	5	1.2%
59.3%	408	416	7	1.7%
60.5%	407	413	6	1.6%
61.7%	406	412	6	1.4%
63.0%	404	409	5	1.3%
64.2%	403	408	6	1.4%
65.4%	402	408	6	1.6%
66.7%	401	404	4	0.9%
67.9%	400	404	4	0.9%
69.1%	400	402	2	0.5%
70.4%	399	401	2	0.5%
71.6%	399	400	1	0.3%
72.8%	395	400	5	1.2%
74.1%	395	398	3	0.8%
75.3%	395	396	2	0.4%
76.5%	395	396	2	0.4%
77.8%	394	396	2	0.4%
79.0%	393	395	2	0.5%
80.2%	392	392	0	0.0%
81.5%	392	392	0	0.0%
82.7%	391	389	-1	-0.4%
84.0%	389	387	-2	-0.6%
85.2%	388	387	-1	-0.1%
86.4%	387	387	0	0.0%
87.7%	387	387	0	0.0%
88.9%	385	386	1	0.3%
90.1%	382	386	4	1.1%
91.4%	381	384	2	0.6%
92.6%	381	382	1	0.3%
93.8%	374	379	5	1.3%
95.1%	361	375	14	4.0%
96.3%	330	361	31	9.4%
97.5%	330	361	31	9.3%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.1%
12.3%	424	424	0	0.1%
13.6%	424	424	1	0.2%
14.8%	422	424	2	0.6%
16.0%	421	424	3	0.7%
17.3%	420	424	4	0.8%
18.5%	420	424	4	0.9%
19.8%	420	423	3	0.7%
21.0%	420	421	1	0.3%
22.2%	420	421	1	0.3%
23.5%	419	421	2	0.5%
24.7%	419	421	2	0.5%
25.9%	419	420	2	0.4%
27.2%	418	420	2	0.6%
28.4%	417	419	2	0.5%
29.6%	417	419	1	0.3%
30.9%	417	418	1	0.2%
32.1%	417	417	0	0.1%
33.3%	417	417	0	0.1%
34.6%	416	417	0	0.1%
35.8%	416	417	0	0.1%
37.0%	416	416	0	0.1%
38.3%	415	416	1	0.3%
39.5%	415	416	0	0.1%
40.7%	415	416	1	0.2%
42.0%	414	415	1	0.3%
43.2%	413	415	2	0.4%
44.4%	413	415	2	0.5%
45.7%	413	415	2	0.6%
46.9%	412	415	2	0.6%
48.1%	412	414	2	0.6%
49.4%	412	414	2	0.6%
50.6%	412	414	2	0.5%
51.9%	411	413	2	0.5%
53.1%	411	413	2	0.5%
54.3%	411	413	2	0.4%
55.6%	409	412	3	0.7%
56.8%	407	411	4	1.0%
58.0%	407	411	5	1.1%
59.3%	407	411	4	1.0%
60.5%	406	410	4	1.1%
61.7%	405	409	3	0.8%
63.0%	405	408	2	0.6%
64.2%	405	407	2	0.6%
65.4%	405	406	1	0.3%
66.7%	405	406	1	0.2%
67.9%	404	405	2	0.4%
69.1%	402	405	3	0.7%
70.4%	401	404	3	0.7%
71.6%	400	403	4	0.9%
72.8%	399	403	4	0.9%
74.1%	399	402	4	0.9%
75.3%	398	398	0	0.0%
76.5%	398	397	-1	-0.2%
77.8%	396	395	-1	-0.3%
79.0%	395	394	-1	-0.3%
80.2%	393	393	1	0.1%
81.5%	391	391	0	-0.1%
82.7%	389	390	1	0.3%
84.0%	389	386	-3	-0.8%
85.2%	386	385	-1	-0.2%
86.4%	385	385	-1	-0.2%
87.7%	383	385	1	0.4%
88.9%	382	383	1	0.3%
90.1%	381	383	2	0.5%
91.4%	379	383	4	1.0%
92.6%	377	383	6	1.5%
93.8%	375	380	4	1.2%
95.1%	350	379	28	8.1%
96.3%	344	364	21	6.0%
97.5%	332	352	20	6.1%
98.8%	330	350	20	6.2%
100.0%	330	334	4	1.1%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	423	424	0	0.1%
23.5%	423	424	0	0.1%
24.7%	423	423	1	0.2%
25.9%	422	423	1	0.2%
27.2%	421	423	2	0.4%
28.4%	421	422	1	0.3%
29.6%	421	421	0	0.0%
30.9%	419	420	0	0.1%
32.1%	418	420	1	0.2%
33.3%	418	419	1	0.3%
34.6%	417	419	2	0.4%
35.8%	417	419	1	0.3%
37.0%	417	419	1	0.3%
38.3%	417	419	2	0.4%
39.5%	416	417	1	0.4%
40.7%	415	417	2	0.5%
42.0%	414	417	3	0.7%
43.2%	414	417	3	0.7%
44.4%	414	416	2	0.5%
45.7%	414	416	2	0.6%
46.9%	413	415	2	0.5%
48.1%	413	414	1	0.3%
49.4%	413	414	1	0.2%
50.6%	411	413	2	0.4%
51.9%	411	413	1	0.3%
53.1%	411	412	1	0.3%
54.3%	410	411	1	0.2%
55.6%	410	411	1	0.2%
56.8%	410	409	-1	-0.2%
58.0%	409	408	0	0.0%
59.3%	408	408	0	0.0%
60.5%	407	408	1	0.3%
61.7%	406	408	2	0.5%
63.0%	405	408	2	0.6%
64.2%	404	406	2	0.4%
65.4%	404	406	2	0.5%
66.7%	403	403	0	-0.1%
67.9%	402	402	0	0.0%
69.1%	402	402	0	0.1%
70.4%	402	402	0	0.0%
71.6%	401	402	1	0.2%
72.8%	401	401	0	0.0%
74.1%	399	401	3	0.6%
75.3%	399	401	2	0.5%
76.5%	398	400	2	0.4%
77.8%	396	398	1	0.3%
79.0%	395	396	1	0.2%
80.2%	394	396	1	0.4%
81.5%	394	396	2	0.4%
82.7%	392	395	4	0.9%
84.0%	388	394	6	1.6%
85.2%	388	389	1	0.2%
86.4%	387	389	1	0.3%
87.7%	383	389	6	1.5%
88.9%	383	388	5	1.3%
90.1%	382	387	5	1.3%
91.4%	378	386	8	2.1%
92.6%	372	381	9	2.5%
93.8%	370	380	10	2.8%
95.1%	370	374	4	1.2%
96.3%	369	371	2	0.6%
97.5%	367	369	2	0.4%
98.8%	363	369	5	1.4%
100.0%	352	363	11	3.3%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	424	424	0	0.0%
23.5%	424	424	0	0.0%
24.7%	424	424	0	0.0%
25.9%	424	424	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	422	423	0	0.0%
33.3%	422	422	0	0.0%
34.6%	422	422	1	0.2%
35.8%	421	422	1	0.3%
37.0%	421	422	1	0.2%
38.3%	421	421	0	0.1%
39.5%	420	421	0	0.1%
40.7%	420	420	0	0.0%
42.0%	420	420	0	0.1%
43.2%	418	420	2	0.5%
44.4%	416	420	4	0.9%
45.7%	416	419	4	0.9%
46.9%	415	418	3	0.6%
48.1%	415	416	1	0.3%
49.4%	415	416	1	0.3%
50.6%	414	415	0	0.1%
51.9%	414	414	0	0.0%
53.1%	413	414	2	0.4%
54.3%	412	413	0	0.0%
55.6%	412	413	0	0.0%
56.8%	411	411	1	0.2%
58.0%	410	411	1	0.3%
59.3%	410	410	1	0.1%
60.5%	409	410	0	0.1%
61.7%	409	410	0	0.1%
63.0%	407	409	2	0.5%
64.2%	407	408	2	0.4%
65.4%	406	407	1	0.2%
66.7%	406	407	0	0.1%
67.9%	406	406	0	0.1%
69.1%	405	406	0	0.1%
70.4%	405	405	1	0.2%
71.6%	404	405	1	0.3%
72.8%	403	405	2	0.5%
74.1%	402	403	1	0.3%
75.3%	401	403	1	0.4%
76.5%	401	402	1	0.3%
77.8%	401	401	0	0.1%
79.0%	401	401	0	0.1%
80.2%	398	401	3	0.8%
81.5%	394	401	6	1.6%
82.7%	392	399	7	1.8%
84.0%	392	397	6	1.4%
85.2%	392	397	6	1.4%
86.4%	391	396	5	1.3%
87.7%	391	392	2	0.4%
88.9%	390	392	2	0.5%
90.1%	387	391	4	0.9%
91.4%	386	390	4	1.0%
92.6%	382	390	8	2.0%
93.8%	380	387	7	1.9%
95.1%	380	384	4	0.9%
96.3%	380	382	2	0.4%
97.5%	378	381	2	0.6%
98.8%	359	367	8	2.1%
100.0%	356	356	0	0.1%

Table SW-25-7b
Folsom Lake, End of Month Elevation
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.1%
19.8%	424	424	0	0.1%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.1%
23.5%	423	424	1	0.2%
24.7%	423	424	0	0.1%
25.9%	423	424	0	0.1%
27.2%	423	423	1	0.1%
28.4%	423	423	1	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.1%
32.1%	423	423	0	0.0%
33.3%	423	423	0	0.0%
34.6%	422	423	0	0.1%
35.8%	422	423	0	0.1%
37.0%	422	423	0	0.1%
38.3%	422	423	0	0.1%
39.5%	422	422	0	0.1%
40.7%	422	422	0	0.1%
42.0%	422	422	0	0.1%
43.2%	422	422	1	0.1%
44.4%	421	422	1	0.2%
45.7%	420	422	2	0.4%
46.9%	420	422	1	0.4%
48.1%	419	422	3	0.6%
49.4%	418	421	3	0.7%
50.6%	418	421	3	0.7%
51.9%	418	420	2	0.6%
53.1%	418	420	3	0.6%
54.3%	417	418	2	0.4%
55.6%	417	418	1	0.3%
56.8%	416	418	2	0.5%
58.0%	414	417	3	0.8%
59.3%	414	417	3	0.7%
60.5%	413	416	3	0.6%
61.7%	413	414	0	0.1%
63.0%	412	413	1	0.2%
64.2%	411	413	2	0.4%
65.4%	409	412	3	0.8%
66.7%	408	412	4	1.0%
67.9%	407	411	4	0.9%
69.1%	407	410	3	0.7%
70.4%	406	409	3	0.7%
71.6%	406	408	1	0.4%
72.8%	406	406	0	0.0%
74.1%	406	406	0	0.1%
75.3%	406	406	0	0.1%
76.5%	405	406	1	0.3%
77.8%	405	406	1	0.3%
79.0%	405	405	0	0.1%
80.2%	404	405	1	0.1%
81.5%	404	404	0	0.0%
82.7%	404	404	0	0.0%
84.0%	403	403	0	0.0%
85.2%	403	403	0	0.0%
86.4%	403	401	-1	-0.3%
87.7%	401	401	0	-0.1%
88.9%	398	400	2	0.4%
90.1%	397	399	3	0.7%
91.4%	396	397	1	0.2%
92.6%	396	396	0	0.1%
93.8%	395	396	0	0.1%
95.1%	385	395	10	2.6%
96.3%	384	395	11	2.9%
97.5%	375	386	11	3.0%
98.8%	351	359	8	2.3%
100.0%	345	346	1	0.2%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	437	437	0	0.0%
1.2%	437	437	0	0.0%
2.5%	437	437	0	0.0%
3.7%	437	437	0	0.0%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	436	436	0	0.0%
8.6%	436	436	0	0.0%
9.9%	436	436	0	0.0%
11.1%	436	436	0	0.0%
12.3%	436	436	0	0.0%
13.6%	436	436	0	0.0%
14.8%	436	436	0	0.0%
16.0%	436	436	0	0.0%
17.3%	436	436	0	0.0%
18.5%	436	436	0	0.0%
19.8%	436	436	0	0.0%
21.0%	436	436	0	0.0%
22.2%	436	436	0	0.0%
23.5%	436	435	0	-0.1%
24.7%	435	435	0	0.0%
25.9%	435	435	0	-0.1%
27.2%	435	435	0	0.0%
28.4%	435	435	0	0.0%
29.6%	435	435	0	0.0%
30.9%	435	435	0	0.0%
32.1%	435	435	0	0.0%
33.3%	435	435	0	0.0%
34.6%	435	435	0	0.0%
35.8%	434	434	0	0.0%
37.0%	434	434	0	0.0%
38.3%	434	434	0	0.0%
39.5%	434	434	0	0.0%
40.7%	434	434	0	0.1%
42.0%	434	434	0	0.0%
43.2%	433	434	0	0.1%
44.4%	433	433	0	0.0%
45.7%	433	433	0	0.0%
46.9%	433	433	0	0.0%
48.1%	433	433	0	0.0%
49.4%	432	433	1	0.2%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.0%
53.1%	432	432	0	0.0%
54.3%	431	432	0	0.0%
55.6%	431	432	1	0.1%
56.8%	431	431	1	0.1%
58.0%	431	431	0	0.0%
59.3%	430	431	0	0.1%
60.5%	430	431	1	0.2%
61.7%	430	430	0	0.1%
63.0%	429	430	1	0.2%
64.2%	429	430	1	0.2%
65.4%	429	430	1	0.2%
66.7%	429	430	1	0.2%
67.9%	427	429	2	0.4%
69.1%	426	429	3	0.7%
70.4%	426	428	2	0.5%
71.6%	426	428	2	0.4%
72.8%	423	427	4	1.0%
74.1%	423	426	4	0.8%
75.3%	423	426	4	0.9%
76.5%	422	426	4	1.1%
77.8%	421	423	2	0.4%
79.0%	420	423	2	0.6%
80.2%	419	422	3	0.6%
81.5%	418	421	3	0.8%
82.7%	417	420	3	0.7%
84.0%	417	420	3	0.6%
85.2%	417	420	3	0.8%
86.4%	414	416	2	0.6%
87.7%	411	414	2	0.5%
88.9%	411	413	2	0.5%
90.1%	410	408	-1	-0.3%
91.4%	406	403	-3	-0.7%
92.6%	403	403	0	0.0%
93.8%	403	401	-2	-0.5%
95.1%	394	400	6	1.5%
96.3%	391	397	6	1.4%
97.5%	391	395	4	1.1%
98.8%	384	392	8	2.1%
100.0%	350	359	8	2.3%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	449	449	0	0.0%
27.2%	449	449	0	0.0%
28.4%	449	449	0	0.0%
29.6%	449	449	0	0.0%
30.9%	449	449	0	0.0%
32.1%	449	449	0	0.0%
33.3%	449	449	0	0.0%
34.6%	449	449	0	0.0%
35.8%	449	449	0	0.0%
37.0%	449	449	0	0.0%
38.3%	449	449	0	0.0%
39.5%	449	449	0	0.0%
40.7%	449	449	0	0.0%
42.0%	449	449	0	0.0%
43.2%	449	449	0	0.0%
44.4%	449	449	0	0.0%
45.7%	449	449	0	0.0%
46.9%	449	449	0	0.0%
48.1%	449	449	0	0.0%
49.4%	449	449	0	0.0%
50.6%	449	449	0	0.0%
51.9%	449	449	0	0.0%
53.1%	449	449	0	0.0%
54.3%	449	449	0	0.0%
55.6%	449	449	0	0.0%
56.8%	449	449	0	0.0%
58.0%	449	449	0	0.0%
59.3%	449	449	0	0.0%
60.5%	449	449	0	0.0%
61.7%	449	449	0	0.0%
63.0%	449	448	-1	-0.2%
64.2%	448	447	-1	-0.1%
65.4%	447	447	0	0.0%
66.7%	446	447	1	0.3%
67.9%	445	445	1	0.2%
69.1%	444	444	0	0.0%
70.4%	444	443	0	0.0%
71.6%	443	443	-1	-0.1%
72.8%	441	441	0	0.0%
74.1%	440	440	0	0.0%
75.3%	440	440	0	0.0%
76.5%	438	437	0	0.0%
77.8%	433	437	4	1.0%
79.0%	429	437	8	1.8%
80.2%	428	434	6	1.4%
81.5%	427	431	4	1.0%
82.7%	427	429	2	0.6%
84.0%	425	428	3	0.7%
85.2%	424	426	2	0.4%
86.4%	419	418	-1	-0.2%
87.7%	416	417	1	0.2%
88.9%	415	415	0	0.1%
90.1%	412	412	0	0.1%
91.4%	411	410	-1	-0.1%
92.6%	410	409	-1	-0.3%
93.8%	407	408	2	0.4%
95.1%	403	404	1	0.2%
96.3%	403	401	-2	-0.4%
97.5%	393	399	5	1.4%
98.8%	391	398	8	2.0%
100.0%	346	352	7	1.9%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	466	0	0.0%
48.1%	466	466	0	0.0%
49.4%	466	466	0	0.0%
50.6%	466	466	0	0.0%
51.9%	466	466	0	0.0%
53.1%	466	466	0	0.0%
54.3%	466	466	0	0.0%
55.6%	466	466	0	0.0%
56.8%	466	465	-1	-0.2%
58.0%	466	464	-2	-0.3%
59.3%	463	463	0	0.0%
60.5%	458	458	0	0.0%
61.7%	458	458	0	0.0%
63.0%	454	454	0	0.0%
64.2%	454	453	-1	-0.2%
65.4%	452	453	0	0.0%
66.7%	452	452	1	0.1%
67.9%	451	452	1	0.2%
69.1%	451	451	1	0.1%
70.4%	450	450	0	0.0%
71.6%	449	449	1	0.1%
72.8%	446	449	3	0.6%
74.1%	444	444	0	0.0%
75.3%	442	444	1	0.3%
76.5%	442	441	-1	-0.1%
77.8%	441	441	-1	-0.1%
79.0%	440	440	0	0.0%
80.2%	437	440	3	0.6%
81.5%	433	436	3	0.6%
82.7%	432	435	3	0.7%
84.0%	428	429	0	0.1%
85.2%	422	425	2	0.5%
86.4%	421	421	0	0.1%
87.7%	419	418	-1	-0.2%
88.9%	418	418	0	0.0%
90.1%	416	418	1	0.3%
91.4%	416	413	-3	-0.7%
92.6%	411	411	1	0.2%
93.8%	409	411	2	0.5%
95.1%	407	411	4	1.0%
96.3%	402	403	1	0.2%
97.5%	393	398	5	1.2%
98.8%	391	397	6	1.4%
100.0%	348	350	2	0.6%

Table SW-25-7b

Folsom Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	465	0	-0.1%
45.7%	466	465	-1	-0.1%
46.9%	466	465	-1	-0.1%
48.1%	466	464	-1	-0.3%
49.4%	465	464	-1	-0.2%
50.6%	465	464	-1	-0.1%
51.9%	464	463	-1	-0.3%
53.1%	464	463	-1	-0.2%
54.3%	462	463	1	0.2%
55.6%	460	463	3	0.7%
56.8%	458	463	5	1.0%
58.0%	457	462	5	1.1%
59.3%	453	454	1	0.2%
60.5%	452	453	2	0.4%
61.7%	451	451	0	0.0%
63.0%	451	450	-1	-0.2%
64.2%	449	450	1	0.2%
65.4%	446	448	2	0.5%
66.7%	446	446	1	0.2%
67.9%	443	443	1	0.1%
69.1%	442	442	-1	-0.2%
70.4%	442	439	-2	-0.5%
71.6%	439	439	-1	-0.2%
72.8%	437	438	1	0.3%
74.1%	437	438	1	0.3%
75.3%	436	436	1	0.2%
76.5%	435	436	1	0.1%
77.8%	431	435	4	0.9%
79.0%	429	432	3	0.7%
80.2%	428	429	1	0.2%
81.5%	427	429	2	0.4%
82.7%	427	428	1	0.3%
84.0%	424	427	3	0.7%
85.2%	418	417	-1	-0.3%
86.4%	417	414	-3	-0.7%
87.7%	416	414	-2	-0.5%
88.9%	411	411	0	0.1%
90.1%	410	411	1	0.2%
91.4%	409	409	0	0.1%
92.6%	406	408	3	0.7%
93.8%	399	408	9	2.3%
95.1%	398	408	9	2.3%
96.3%	393	402	9	2.4%
97.5%	389	395	6	1.6%
98.8%	367	392	25	6.8%
100.0%	339	340	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	463	463	0	0.0%
1.2%	463	463	0	0.0%
2.5%	463	463	0	0.0%
3.7%	463	463	0	0.0%
4.9%	463	463	0	0.0%
6.2%	463	463	0	0.0%
7.4%	463	463	0	0.0%
8.6%	463	463	0	0.0%
9.9%	463	463	0	0.0%
11.1%	463	463	0	0.0%
12.3%	463	463	0	0.0%
13.6%	463	461	-2	-0.4%
14.8%	463	461	-2	-0.5%
16.0%	463	461	-3	-0.5%
17.3%	462	461	-1	-0.2%
18.5%	461	460	0	-0.1%
19.8%	460	460	1	0.1%
21.0%	459	460	1	0.2%
22.2%	457	460	3	0.7%
23.5%	456	460	4	0.9%
24.7%	456	460	5	1.0%
25.9%	455	460	5	1.1%
27.2%	453	458	4	1.0%
28.4%	449	456	7	1.6%
29.6%	449	454	6	1.2%
30.9%	448	453	5	1.1%
32.1%	448	453	4	1.0%
33.3%	448	453	4	1.0%
34.6%	448	452	5	1.0%
35.8%	447	452	5	1.0%
37.0%	447	451	4	0.8%
38.3%	446	450	4	0.9%
39.5%	446	450	4	0.9%
40.7%	445	449	4	0.9%
42.0%	445	449	4	0.9%
43.2%	445	448	3	0.7%
44.4%	444	447	3	0.7%
45.7%	444	447	3	0.7%
46.9%	444	445	2	0.4%
48.1%	443	445	2	0.5%
49.4%	442	445	3	0.6%
50.6%	442	444	1	0.3%
51.9%	439	443	3	0.7%
53.1%	439	442	3	0.7%
54.3%	437	442	5	1.1%
55.6%	437	440	3	0.7%
56.8%	436	440	4	0.9%
58.0%	435	439	4	0.9%
59.3%	432	437	6	1.3%
60.5%	427	437	9	2.2%
61.7%	426	432	6	1.5%
63.0%	424	431	7	1.6%
64.2%	423	427	4	0.9%
65.4%	420	426	5	1.3%
66.7%	420	423	3	0.8%
67.9%	419	423	4	0.9%
69.1%	417	420	3	0.7%
70.4%	416	420	4	1.0%
71.6%	416	420	4	1.0%
72.8%	415	419	5	1.1%
74.1%	413	418	4	1.1%
75.3%	413	414	1	0.2%
76.5%	412	414	2	0.4%
77.8%	411	411	0	-0.1%
79.0%	408	409	1	0.2%
80.2%	408	408	1	0.2%
81.5%	407	408	1	0.2%
82.7%	405	408	3	0.8%
84.0%	405	403	-1	-0.3%
85.2%	401	403	2	0.4%
86.4%	401	403	2	0.6%
87.7%	400	402	2	0.5%
88.9%	400	401	1	0.2%
90.1%	395	400	5	1.2%
91.4%	394	400	6	1.4%
92.6%	392	399	6	1.7%
93.8%	390	396	6	1.5%
95.1%	390	392	1	0.3%
96.3%	390	388	-2	-0.6%
97.5%	369	387	18	4.9%
98.8%	356	385	30	8.3%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	448	449	1	0.2%
27.2%	447	448	1	0.3%
28.4%	445	447	2	0.5%
29.6%	443	447	4	0.8%
30.9%	443	446	3	0.7%
32.1%	443	446	3	0.7%
33.3%	443	445	2	0.5%
34.6%	441	445	4	0.8%
35.8%	441	444	3	0.7%
37.0%	440	443	4	0.8%
38.3%	439	443	3	0.8%
39.5%	439	442	3	0.7%
40.7%	439	441	3	0.6%
42.0%	438	440	2	0.5%
43.2%	435	440	5	1.2%
44.4%	434	439	4	1.0%
45.7%	432	437	5	1.1%
46.9%	432	437	5	1.2%
48.1%	430	437	7	1.6%
49.4%	430	435	5	1.2%
50.6%	430	434	4	1.0%
51.9%	430	433	3	0.8%
53.1%	428	433	4	1.0%
54.3%	428	433	5	1.2%
55.6%	424	433	8	2.0%
56.8%	424	429	5	1.2%
58.0%	423	429	6	1.5%
59.3%	422	428	6	1.5%
60.5%	420	427	7	1.7%
61.7%	418	427	9	2.1%
63.0%	418	427	9	2.3%
64.2%	417	425	7	1.7%
65.4%	412	422	10	2.4%
66.7%	412	418	6	1.5%
67.9%	412	415	4	0.9%
69.1%	409	415	6	1.4%
70.4%	407	414	7	1.7%
71.6%	406	411	6	1.4%
72.8%	405	409	4	1.0%
74.1%	404	406	2	0.4%
75.3%	404	406	2	0.4%
76.5%	403	403	0	0.0%
77.8%	401	402	1	0.3%
79.0%	400	402	2	0.4%
80.2%	400	401	2	0.4%
81.5%	399	401	2	0.4%
82.7%	399	399	0	0.0%
84.0%	398	398	1	0.2%
85.2%	397	398	1	0.2%
86.4%	393	395	2	0.5%
87.7%	392	394	2	0.6%
88.9%	391	392	1	0.3%
90.1%	390	391	0	0.1%
91.4%	390	389	-1	-0.2%
92.6%	389	388	-1	-0.3%
93.8%	384	384	0	0.1%
95.1%	381	382	1	0.1%
96.3%	379	381	2	0.6%
97.5%	337	377	40	11.9%
98.8%	330	351	21	6.4%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	434	434	0	0.0%
1.2%	434	434	0	0.0%
2.5%	434	434	0	0.0%
3.7%	434	434	0	0.0%
4.9%	434	434	0	0.0%
6.2%	434	434	0	0.0%
7.4%	434	434	0	0.0%
8.6%	434	434	0	0.0%
9.9%	434	434	0	0.0%
11.1%	434	434	0	0.0%
12.3%	434	434	0	0.0%
13.6%	434	434	0	0.0%
14.8%	434	434	0	0.0%
16.0%	433	434	0	0.1%
17.3%	433	434	0	0.1%
18.5%	433	434	1	0.1%
19.8%	433	434	1	0.1%
21.0%	433	434	1	0.2%
22.2%	433	434	1	0.2%
23.5%	432	434	1	0.3%
24.7%	432	434	1	0.3%
25.9%	432	434	2	0.4%
27.2%	432	434	2	0.5%
28.4%	431	434	2	0.6%
29.6%	431	434	3	0.6%
30.9%	431	433	3	0.7%
32.1%	429	433	5	1.1%
33.3%	429	433	4	1.0%
34.6%	428	432	4	0.8%
35.8%	427	431	4	1.0%
37.0%	426	431	4	1.0%
38.3%	426	431	4	1.0%
39.5%	426	430	4	0.9%
40.7%	426	429	4	0.9%
42.0%	425	429	4	0.9%
43.2%	425	429	3	0.8%
44.4%	424	428	3	0.8%
45.7%	423	427	4	1.0%
46.9%	422	427	6	1.3%
48.1%	421	427	6	1.5%
49.4%	420	427	8	1.9%
50.6%	420	427	8	1.8%
51.9%	420	427	7	1.8%
53.1%	419	427	7	1.8%
54.3%	418	426	8	1.9%
55.6%	418	426	8	2.0%
56.8%	417	425	8	1.9%
58.0%	415	424	10	2.3%
59.3%	414	424	10	2.3%
60.5%	414	418	4	0.9%
61.7%	413	415	2	0.5%
63.0%	409	415	6	1.5%
64.2%	407	414	7	1.8%
65.4%	405	413	8	1.9%
66.7%	405	412	7	1.8%
67.9%	405	409	4	1.0%
69.1%	403	407	4	1.0%
70.4%	402	406	4	1.0%
71.6%	401	406	5	1.3%
72.8%	401	406	5	1.2%
74.1%	400	404	4	1.1%
75.3%	400	402	2	0.5%
76.5%	399	401	2	0.5%
77.8%	399	399	0	0.1%
79.0%	398	397	0	-0.1%
80.2%	397	397	-1	-0.2%
81.5%	397	397	0	0.0%
82.7%	396	396	0	0.0%
84.0%	395	394	0	-0.1%
85.2%	393	393	0	0.0%
86.4%	391	391	0	0.0%
87.7%	388	390	2	0.5%
88.9%	387	390	3	0.7%
90.1%	385	389	5	1.2%
91.4%	384	385	1	0.2%
92.6%	383	384	1	0.2%
93.8%	380	383	3	0.8%
95.1%	376	374	-3	-0.7%
96.3%	346	371	25	7.2%
97.5%	330	368	38	11.6%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

Table SW-26-7a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,394	7,011	7,177	7,384	7,599	8,611	9,478	10,219	9,984	8,943	8,292	7,603
Alternative C	7,600	7,185	7,301	7,483	7,698	8,685	9,520	10,245	10,059	9,160	8,515	7,854
Difference	206	174	125	100	99	74	42	27	75	217	223	251
Percent Difference[3]	2.8%	2.5%	1.7%	1.3%	1.3%	0.9%	0.4%	0.3%	0.8%	2.4%	2.7%	3.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,583	7,813	7,809	7,942	7,807	9,003	10,083	11,104	11,090	10,503	9,863	8,687
Alternative C	8,701	7,856	7,841	7,940	7,807	9,003	10,083	11,104	11,081	10,624	9,925	8,937
Difference	118	43	32	-3	0	0	0	-1	-9	121	62	251
Percent Difference	1.4%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.2%	0.6%	2.9%
Above Normal (15%)												
No Action Alternative	8,020	7,505	7,677	7,899	8,068	9,141	10,105	11,118	10,957	9,728	9,139	8,310
Alternative C	8,249	7,684	7,770	7,925	8,095	9,140	10,105	11,117	10,977	9,865	9,310	8,553
Difference	229	179	93	26	27	-1	0	-1	20	137	171	243
Percent Difference	2.9%	2.4%	1.2%	0.3%	0.3%	0.0%	0.0%	0.0%	0.2%	1.4%	1.9%	2.9%
Below Normal (17%)												
No Action Alternative	8,272	7,826	7,757	7,731	8,115	9,007	10,056	10,892	10,769	9,254	8,720	8,358
Alternative C	8,416	7,920	7,822	7,756	8,187	9,083	10,054	10,865	10,754	9,614	9,118	8,516
Difference	145	95	65	25	72	75	-3	-26	-15	360	398	158
Percent Difference	1.8%	1.2%	0.8%	0.3%	0.9%	0.8%	0.0%	-0.2%	-0.1%	3.9%	4.6%	1.9%
Dry (22%)												
No Action Alternative	6,667	6,728	6,868	7,065	7,716	8,702	9,440	9,934	9,442	8,061	7,242	6,973
Alternative C	6,905	6,979	7,034	7,232	7,857	8,794	9,532	9,991	9,566	8,243	7,553	7,266
Difference	239	251	166	168	141	93	92	56	125	181	311	292
Percent Difference	3.6%	3.7%	2.4%	2.4%	1.8%	1.1%	1.0%	0.6%	1.3%	2.3%	4.3%	4.2%
Critical (15%)												
No Action Alternative	4,257	4,251	5,094	5,730	5,900	6,635	6,922	7,043	6,516	5,740	5,115	4,613
Alternative C	4,653	4,684	5,459	6,109	6,255	6,915	7,077	7,174	6,856	6,129	5,405	4,922
Difference	396	433	365	379	355	279	155	131	341	389	290	309
Percent Difference	9.3%	10.2%	7.2%	6.6%	6.0%	4.2%	2.2%	1.9%	5.2%	6.8%	5.7%	6.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-26-7b
Folsom Lake, End of Month Area
Probability of Exceedance

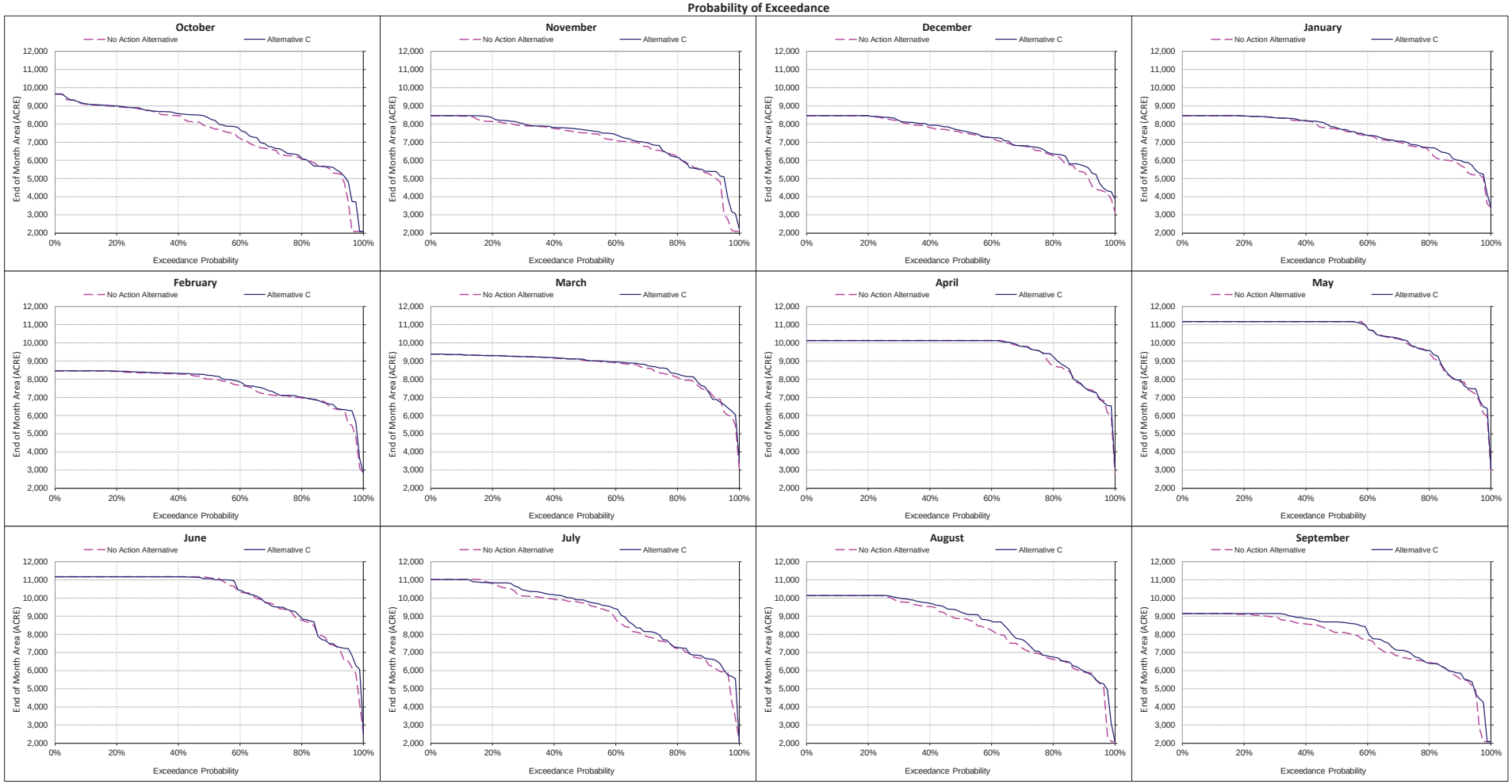

Table SW-26-7b
Folsom Lake, End of Month Area
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,656	9,656	0	0.0%
1.2%	9,656	9,656	0	0.0%
2.5%	9,643	9,643	0	0.0%
3.7%	9,343	9,464	121	1.3%
4.9%	9,334	9,334	0	0.0%
6.2%	9,320	9,320	0	0.0%
7.4%	9,233	9,233	0	0.0%
8.6%	9,113	9,159	47	0.5%
9.9%	9,100	9,102	2	0.0%
11.1%	9,051	9,097	46	0.5%
12.3%	9,043	9,079	36	0.4%
13.6%	9,042	9,055	13	0.1%
14.8%	9,038	9,047	9	0.1%
16.0%	9,006	9,032	26	0.3%
17.3%	8,991	9,022	31	0.3%
18.5%	8,975	9,007	32	0.4%
19.8%	8,962	9,006	44	0.5%
21.0%	8,944	8,978	34	0.4%
22.2%	8,931	8,944	13	0.1%
23.5%	8,908	8,931	23	0.3%
24.7%	8,906	8,916	10	0.1%
25.9%	8,899	8,898	0	0.0%
27.2%	8,827	8,897	70	0.8%
28.4%	8,807	8,809	2	0.0%
29.6%	8,737	8,761	24	0.3%
30.9%	8,737	8,744	7	0.1%
32.1%	8,684	8,712	28	0.3%
33.3%	8,617	8,689	72	0.8%
34.6%	8,518	8,689	171	2.0%
35.8%	8,510	8,689	179	2.1%
37.0%	8,494	8,675	181	2.1%
38.3%	8,474	8,644	171	2.0%
39.5%	8,468	8,578	110	1.3%
40.7%	8,452	8,559	107	1.3%
42.0%	8,239	8,550	310	3.8%
43.2%	8,139	8,516	377	4.6%
44.4%	8,130	8,510	380	4.7%
45.7%	8,117	8,509	392	4.8%
46.9%	8,107	8,496	389	4.8%
48.1%	7,929	8,460	531	6.7%
49.4%	7,864	8,368	504	6.4%
50.6%	7,801	8,250	449	5.8%
51.9%	7,727	8,201	473	6.1%
53.1%	7,712	7,987	275	3.6%
54.3%	7,625	7,944	320	4.2%
55.6%	7,559	7,876	317	4.2%
56.8%	7,519	7,874	355	4.7%
58.0%	7,499	7,858	358	4.8%
59.3%	7,274	7,805	532	7.3%
60.5%	7,146	7,618	471	6.6%
61.7%	7,124	7,553	429	6.0%
63.0%	6,945	7,350	405	5.8%
64.2%	6,845	7,274	429	6.3%
65.4%	6,781	7,252	471	6.9%
66.7%	6,696	6,977	281	4.2%
67.9%	6,670	6,932	262	3.9%
69.1%	6,625	6,769	144	2.2%
70.4%	6,596	6,729	133	2.0%
71.6%	6,554	6,652	98	1.5%
72.8%	6,288	6,637	350	5.6%
74.1%	6,288	6,530	242	3.8%
75.3%	6,262	6,379	117	1.9%
76.5%	6,256	6,369	113	1.8%
77.8%	6,227	6,348	122	2.0%
79.0%	6,156	6,288	131	2.1%
80.2%	6,065	6,066	1	0.0%
81.5%	6,030	6,032	2	0.0%
82.7%	5,964	5,862	-102	-1.7%
84.0%	5,868	5,693	-175	-3.0%
85.2%	5,731	5,692	-40	-0.7%
86.4%	5,673	5,673	0	0.0%
87.7%	5,661	5,661	-1	0.0%
88.9%	5,548	5,644	96	1.7%
90.1%	5,301	5,616	315	5.9%
91.4%	5,285	5,458	173	3.3%
92.6%	5,251	5,341	91	1.7%
93.8%	4,730	5,108	379	8.0%
95.1%	3,706	4,814	1,108	29.9%
96.3%	2,091	3,737	1,646	78.7%
97.5%	2,091	3,715	1,624	77.7%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,433	8,458	26	0.3%
11.1%	8,431	8,458	28	0.3%
12.3%	8,422	8,458	37	0.4%
13.6%	8,411	8,458	48	0.6%
14.8%	8,279	8,458	179	2.2%
16.0%	8,201	8,433	232	2.8%
17.3%	8,165	8,431	266	3.3%
18.5%	8,142	8,409	267	3.3%
19.8%	8,139	8,372	233	2.9%
21.0%	8,128	8,237	109	1.3%
22.2%	8,110	8,218	108	1.3%
23.5%	8,054	8,201	147	1.8%
24.7%	8,043	8,191	149	1.8%
25.9%	8,026	8,151	126	1.6%
27.2%	7,970	8,149	180	2.3%
28.4%	7,928	8,089	161	2.0%
29.6%	7,920	8,025	104	1.3%
30.9%	7,912	7,975	63	0.8%
32.1%	7,891	7,924	32	0.4%
33.3%	7,890	7,909	19	0.2%
34.6%	7,875	7,896	21	0.3%
35.8%	7,865	7,886	21	0.3%
37.0%	7,844	7,874	30	0.4%
38.3%	7,784	7,871	88	1.1%
39.5%	7,779	7,813	34	0.4%
40.7%	7,739	7,813	74	1.0%
42.0%	7,718	7,800	82	1.1%
43.2%	7,650	7,788	139	1.8%
44.4%	7,637	7,778	141	1.8%
45.7%	7,593	7,773	180	2.4%
46.9%	7,564	7,739	175	2.3%
48.1%	7,529	7,712	182	2.4%
49.4%	7,515	7,694	179	2.4%
50.6%	7,507	7,660	153	2.0%
51.9%	7,476	7,642	166	2.2%
53.1%	7,454	7,595	141	1.9%
54.3%	7,447	7,579	131	1.8%
55.6%	7,288	7,506	218	3.0%
56.8%	7,176	7,495	319	4.4%
58.0%	7,150	7,487	337	4.7%
59.3%	7,146	7,453	308	4.3%
60.5%	7,063	7,382	319	4.5%
61.7%	7,050	7,288	238	3.4%
63.0%	7,043	7,220	177	2.5%
64.2%	7,023	7,200	176	2.5%
65.4%	7,003	7,107	104	1.5%
66.7%	6,993	7,056	63	0.9%
67.9%	6,911	7,023	112	1.6%
69.1%	6,778	7,003	224	3.3%
70.4%	6,754	6,971	217	3.2%
71.6%	6,612	6,877	265	4.0%
72.8%	6,568	6,833	266	4.0%
74.1%	6,548	6,821	273	4.2%
75.3%	6,515	6,508	-7	-0.1%
76.5%	6,473	6,416	-57	-0.9%
77.8%	6,336	6,247	-90	-1.4%
79.0%	6,302	6,209	-93	-1.5%
80.2%	6,116	6,157	41	0.7%
81.5%	5,998	5,975	-23	-0.4%
82.7%	5,830	5,902	72	1.2%
84.0%	5,825	5,594	-231	-4.0%
85.2%	5,621	5,579	-42	-0.8%
86.4%	5,568	5,523	-45	-0.8%
87.7%	5,410	5,513	103	1.9%
88.9%	5,322	5,407	85	1.6%
90.1%	5,266	5,395	129	2.5%
91.4%	5,108	5,395	287	5.6%
92.6%	4,978	5,382	404	8.1%
93.8%	4,819	5,148	329	6.8%
95.1%	3,064	5,101	2,037	66.5%
96.3%	2,732	3,928	1,196	43.8%
97.5%	2,159	3,185	1,026	47.5%
98.8%	2,091	3,065	974	46.6%
100.0%	2,091	2,234	143	6.9%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,458	8,458	0	0.0%
18.5%	8,458	8,458	0	0.0%
19.8%	8,458	8,458	0	0.0%
21.0%	8,431	8,424	-6	-0.1%
22.2%	8,388	8,418	30	0.4%
23.5%	8,385	8,408	23	0.3%
24.7%	8,323	8,382	58	0.7%
25.9%	8,303	8,361	58	0.7%
27.2%	8,233	8,357	124	1.5%
28.4%	8,215	8,323	107	1.3%
29.6%	8,209	8,215	7	0.1%
30.9%	8,099	8,132	33	0.4%
32.1%	8,024	8,102	78	1.0%
33.3%	8,013	8,095	81	1.0%
34.6%	7,948	8,081	133	1.7%
35.8%	7,933	8,041	107	1.4%
37.0%	7,933	8,033	101	1.3%
38.3%	7,909	8,028	119	1.5%
39.5%	7,827	7,938	111	1.4%
40.7%	7,786	7,933	147	1.9%
42.0%	7,722	7,932	210	2.7%
43.2%	7,705	7,909	203	2.6%
44.4%	7,705	7,854	149	1.9%
45.7%	7,675	7,850	175	2.3%
46.9%	7,632	7,786	154	2.0%
48.1%	7,609	7,706	98	1.3%
49.4%	7,590	7,667	76	1.0%
50.6%	7,494	7,630	136	1.8%
51.9%	7,485	7,588	103	1.4%
53.1%	7,438	7,522	84	1.1%
54.3%	7,420	7,481	60	0.8%
55.6%	7,370	7,439	69	0.9%
56.8%	7,353	7,299	-54	-0.7%
58.0%	7,286	7,274	-12	-0.2%
59.3%	7,270	7,266	-4	-0.1%
60.5%	7,174	7,254	80	1.1%
61.7%	7,091	7,244	153	2.2%
63.0%	7,043	7,221	177	2.5%
64.2%	6,971	7,085	115	1.6%
65.4%	6,933	7,074	140	2.0%
66.7%	6,887	6,859	-28	-0.4%
67.9%	6,807	6,818	11	0.2%
69.1%	6,800	6,817	17	0.3%
70.4%	6,794	6,809	15	0.2%
71.6%	6,746	6,800	54	0.8%
72.8%	6,736	6,746	11	0.2%
74.1%	6,546	6,736	190	2.9%
75.3%	6,535	6,688	152	2.3%
76.5%	6,490	6,618	127	2.0%
77.8%	6,383	6,465	82	1.3%
79.0%	6,315	6,383	69	1.1%
80.2%	6,232	6,341	109	1.8%
81.5%	6,209	6,330	121	1.9%
82.7%	6,034	6,295	261	4.3%
84.0%	5,786	6,237	451	7.8%
85.2%	5,751	5,810	59	1.0%
86.4%	5,718	5,805	87	1.5%
87.7%	5,398	5,805	407	7.5%
88.9%	5,390	5,751	361	6.7%
90.1%	5,339	5,692	353	6.6%
91.4%	5,015	5,589	575	11.5%
92.6%	4,575	5,291	717	15.7%
93.8%	4,404	5,219	815	18.5%
95.1%	4,364	4,720	355	8.1%
96.3%	4,308	4,478	170	3.9%
97.5%	4,181	4,317	136	3.3%
98.8%	3,873	4,280	406	10.5%
100.0%	3,154	3,876	721	22.9%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,457	8,458	2	0.0%
18.5%	8,451	8,458	8	0.1%
19.8%	8,449	8,449	0	0.0%
21.0%	8,431	8,431	0	0.0%
22.2%	8,422	8,422	0	0.0%
23.5%	8,422	8,422	0	0.0%
24.7%	8,422	8,422	0	0.0%
25.9%	8,412	8,412	0	0.0%
27.2%	8,394	8,394	0	0.0%
28.4%	8,376	8,376	0	0.0%
29.6%	8,357	8,357	0	0.0%
30.9%	8,339	8,339	0	0.0%
32.1%	8,320	8,329	9	0.1%
33.3%	8,320	8,320	0	0.0%
34.6%	8,265	8,320	55	0.7%
35.8%	8,204	8,291	87	1.1%
37.0%	8,201	8,265	64	0.8%
38.3%	8,184	8,201	17	0.2%
39.5%	8,173	8,197	24	0.3%
40.7%	8,164	8,173	9	0.1%
42.0%	8,134	8,164	30	0.4%
43.2%	8,015	8,162	148	1.8%
44.4%	7,829	8,119	289	3.7%
45.7%	7,812	8,088	276	3.5%
46.9%	7,783	7,977	194	2.5%
48.1%	7,769	7,857	88	1.1%
49.4%	7,752	7,829	78	1.0%
50.6%	7,712	7,749	37	0.5%
51.9%	7,694	7,694	0	0.0%
53.1%	7,578	7,691	113	1.5%
54.3%	7,573	7,581	8	0.1%
55.6%	7,568	7,578	10	0.1%
56.8%	7,442	7,500	58	0.8%
58.0%	7,399	7,484	85	1.1%
59.3%	7,359	7,399	40	0.5%
60.5%	7,348	7,371	23	0.3%
61.7%	7,327	7,364	37	0.5%
63.0%	7,189	7,338	148	2.1%
64.2%	7,132	7,252	120	1.7%
65.4%	7,123	7,189	67	0.9%
66.7%	7,101	7,132	31	0.4%
67.9%	7,088	7,123	35	0.5%
69.1%	7,049	7,065	16	0.2%
70.4%	6,987	7,050	63	0.9%
71.6%	6,954	7,049	95	1.4%
72.8%	6,846	6,985	140	2.0%
74.1%	6,792	6,871	79	1.2%
75.3%	6,754	6,862	108	1.6%
76.5%	6,726	6,816	90	1.3%
77.8%	6,700	6,726	26	0.4%
79.0%	6,693	6,716	23	0.3%
80.2%	6,475	6,694	218	3.4%
81.5%	6,225	6,693	468	7.5%
82.7%	6,089	6,599	510	8.4%
84.0%	6,048	6,458	410	6.8%
85.2%	6,025	6,428	403	6.7%
86.4%	5,987	6,360	372	6.2%
87.7%	5,967	6,089	122	2.0%
88.9%	5,894	6,025	131	2.2%
90.1%	5,722	5,990	269	4.7%
91.4%	5,620	5,894	275	4.9%
92.6%	5,325	5,883	558	10.5%
93.8%	5,206	5,724	518	10.0%
95.1%	5,199	5,456	257	4.9%
96.3%	5,179	5,301	122	2.4%
97.5%	5,073	5,234	161	3.2%
98.8%	3,626	4,141	515	14.2%
100.0%	3,393	3,416	23	0.7%

Table SW-26-7b
Folsom Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,449	8,458	9	0.1%
16.0%	8,449	8,458	9	0.1%
17.3%	8,446	8,458	13	0.2%
18.5%	8,433	8,449	17	0.2%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,439	26	0.3%
22.2%	8,394	8,433	39	0.5%
23.5%	8,376	8,431	55	0.7%
24.7%	8,376	8,412	37	0.4%
25.9%	8,375	8,405	30	0.4%
27.2%	8,348	8,394	46	0.6%
28.4%	8,348	8,391	43	0.5%
29.6%	8,348	8,376	28	0.3%
30.9%	8,348	8,376	28	0.3%
32.1%	8,339	8,348	9	0.1%
33.3%	8,339	8,348	9	0.1%
34.6%	8,320	8,348	28	0.3%
35.8%	8,312	8,348	36	0.4%
37.0%	8,311	8,339	28	0.3%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,321	37	0.4%
40.7%	8,283	8,320	37	0.4%
42.0%	8,274	8,311	37	0.4%
43.2%	8,265	8,311	46	0.6%
44.4%	8,210	8,283	74	0.9%
45.7%	8,168	8,283	115	1.4%
46.9%	8,164	8,274	111	1.4%
48.1%	8,069	8,265	196	2.4%
49.4%	8,007	8,211	204	2.5%
50.6%	7,995	8,210	214	2.7%
51.9%	7,989	8,173	184	2.3%
53.1%	7,970	8,164	193	2.4%
54.3%	7,893	8,007	114	1.4%
55.6%	7,890	7,989	99	1.3%
56.8%	7,807	7,970	164	2.1%
58.0%	7,702	7,939	237	3.1%
59.3%	7,681	7,890	209	2.7%
60.5%	7,620	7,814	194	2.5%
61.7%	7,620	7,656	36	0.5%
63.0%	7,565	7,620	55	0.7%
64.2%	7,497	7,620	123	1.6%
65.4%	7,313	7,565	252	3.4%
66.7%	7,240	7,539	299	4.1%
67.9%	7,188	7,472	284	4.0%
69.1%	7,169	7,378	209	2.9%
70.4%	7,120	7,339	219	3.1%
71.6%	7,113	7,225	112	1.6%
72.8%	7,113	7,119	6	0.1%
74.1%	7,095	7,113	18	0.3%
75.3%	7,095	7,113	19	0.3%
76.5%	7,006	7,110	104	1.5%
77.8%	6,996	7,095	99	1.4%
79.0%	6,994	7,031	37	0.5%
80.2%	6,962	7,006	44	0.6%
81.5%	6,957	6,957	0	0.0%
82.7%	6,920	6,920	0	0.0%
84.0%	6,883	6,883	0	0.0%
85.2%	6,846	6,846	0	0.0%
86.4%	6,844	6,746	-98	-1.4%
87.7%	6,719	6,697	-22	-0.3%
88.9%	6,521	6,631	110	1.7%
90.1%	6,395	6,602	207	3.2%
91.4%	6,343	6,395	52	0.8%
92.6%	6,324	6,343	20	0.3%
93.8%	6,288	6,324	36	0.6%
95.1%	5,560	6,288	728	13.1%
96.3%	5,451	6,255	804	14.7%
97.5%	4,808	5,635	827	17.2%
98.8%	3,124	3,625	501	16.0%
100.0%	2,794	2,831	36	1.3%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,380	9,380	0	0.0%
1.2%	9,380	9,380	0	0.0%
2.5%	9,380	9,380	0	0.0%
3.7%	9,380	9,380	0	0.0%
4.9%	9,361	9,361	0	0.0%
6.2%	9,361	9,361	0	0.0%
7.4%	9,361	9,361	0	0.0%
8.6%	9,352	9,352	0	0.0%
9.9%	9,352	9,352	0	0.0%
11.1%	9,334	9,334	0	0.0%
12.3%	9,325	9,325	0	0.0%
13.6%	9,325	9,325	0	0.0%
14.8%	9,315	9,315	0	0.0%
16.0%	9,315	9,315	0	0.0%
17.3%	9,306	9,306	0	0.0%
18.5%	9,306	9,306	0	0.0%
19.8%	9,306	9,306	0	0.0%
21.0%	9,306	9,306	0	0.0%
22.2%	9,306	9,297	-9	-0.1%
23.5%	9,297	9,278	-18	-0.2%
24.7%	9,278	9,278	0	0.0%
25.9%	9,278	9,260	-18	-0.2%
27.2%	9,260	9,260	0	0.0%
28.4%	9,260	9,251	-9	-0.1%
29.6%	9,251	9,251	0	0.0%
30.9%	9,244	9,242	-2	0.0%
32.1%	9,242	9,232	-9	-0.1%
33.3%	9,232	9,226	-7	-0.1%
34.6%	9,223	9,223	0	0.0%
35.8%	9,214	9,214	0	0.0%
37.0%	9,205	9,205	0	0.0%
38.3%	9,205	9,205	0	0.0%
39.5%	9,177	9,183	6	0.1%
40.7%	9,149	9,177	28	0.3%
42.0%	9,147	9,161	14	0.2%
43.2%	9,122	9,149	28	0.3%
44.4%	9,122	9,122	0	0.0%
45.7%	9,122	9,122	0	0.0%
46.9%	9,113	9,120	8	0.1%
48.1%	9,103	9,113	9	0.1%
49.4%	9,030	9,103	74	0.8%
50.6%	9,023	9,030	7	0.1%
51.9%	9,002	9,013	11	0.1%
53.1%	9,002	9,006	4	0.0%
54.3%	8,989	9,002	13	0.1%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	8,986	39	0.4%
58.0%	8,947	8,956	9	0.1%
59.3%	8,919	8,947	28	0.3%
60.5%	8,891	8,947	55	0.6%
61.7%	8,882	8,919	37	0.4%
63.0%	8,843	8,908	65	0.7%
64.2%	8,827	8,891	64	0.7%
65.4%	8,826	8,882	57	0.6%
66.7%	8,801	8,877	75	0.9%
67.9%	8,689	8,827	138	1.6%
69.1%	8,615	8,826	210	2.4%
70.4%	8,597	8,749	152	1.8%
71.6%	8,580	8,708	128	1.5%
72.8%	8,378	8,689	311	3.7%
74.1%	8,354	8,618	264	3.2%
75.3%	8,328	8,615	287	3.4%
76.5%	8,263	8,597	334	4.0%
77.8%	8,238	8,354	116	1.4%
79.0%	8,151	8,328	177	2.2%
80.2%	8,069	8,265	196	2.4%
81.5%	7,953	8,195	242	3.0%
82.7%	7,948	8,163	215	2.7%
84.0%	7,947	8,148	201	2.5%
85.2%	7,880	8,129	249	3.2%
86.4%	7,695	7,870	176	2.3%
87.7%	7,492	7,658	166	2.2%
88.9%	7,436	7,579	143	1.9%
90.1%	7,359	7,260	-99	-1.3%
91.4%	7,105	6,895	-210	-3.0%
92.6%	6,901	6,893	-8	-0.1%
93.8%	6,893	6,739	-154	-2.2%
95.1%	6,181	6,610	429	6.9%
96.3%	6,022	6,427	405	6.7%
97.5%	5,951	6,256	305	5.1%
98.8%	5,466	6,053	586	10.7%
100.0%	3,068	3,568	500	16.3%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,132	10,132	0	0.0%
27.2%	10,132	10,132	0	0.0%
28.4%	10,132	10,132	0	0.0%
29.6%	10,132	10,132	0	0.0%
30.9%	10,132	10,132	0	0.0%
32.1%	10,132	10,132	0	0.0%
33.3%	10,132	10,132	0	0.0%
34.6%	10,132	10,132	0	0.0%
35.8%	10,132	10,132	0	0.0%
37.0%	10,132	10,132	0	0.0%
38.3%	10,132	10,132	0	0.0%
39.5%	10,132	10,132	0	0.0%
40.7%	10,132	10,132	0	0.0%
42.0%	10,132	10,132	0	0.0%
43.2%	10,132	10,132	0	0.0%
44.4%	10,132	10,132	0	0.0%
45.7%	10,132	10,132	0	0.0%
46.9%	10,132	10,132	0	0.0%
48.1%	10,132	10,132	0	0.0%
49.4%	10,132	10,132	0	0.0%
50.6%	10,132	10,132	0	0.0%
51.9%	10,132	10,132	0	0.0%
53.1%	10,132	10,132	0	0.0%
54.3%	10,132	10,132	0	0.0%
55.6%	10,132	10,132	0	0.0%
56.8%	10,132	10,132	0	0.0%
58.0%	10,132	10,132	0	0.0%
59.3%	10,132	10,132	0	0.0%
60.5%	10,132	10,132	0	0.0%
61.7%	10,132	10,132	0	0.0%
63.0%	10,132	10,079	-52	-0.5%
64.2%	10,081	10,045	-36	-0.4%
65.4%	10,045	10,045	0	0.0%
66.7%	9,928	10,006	78	0.8%
67.9%	9,877	9,925	49	0.5%
69.1%	9,814	9,814	0	0.0%
70.4%	9,807	9,802	-5	0.0%
71.6%	9,802	9,767	-35	-0.4%
72.8%	9,645	9,640	-5	-0.1%
74.1%	9,607	9,610	2	0.0%
75.3%	9,568	9,569	1	0.0%
76.5%	9,441	9,435	-6	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,393	562	6.4%
80.2%	8,754	9,196	442	5.0%
81.5%	8,665	8,984	319	3.7%
82.7%	8,654	8,831	177	2.0%
84.0%	8,482	8,707	225	2.7%
85.2%	8,431	8,564	134	1.6%
86.4%	8,095	8,022	-73	-0.9%
87.7%	7,826	7,900	74	0.9%
88.9%	7,736	7,768	32	0.4%
90.1%	7,509	7,539	30	0.4%
91.4%	7,438	7,393	-45	-0.6%
92.6%	7,403	7,315	-88	-1.2%
93.8%	7,155	7,273	118	1.7%
95.1%	6,871	6,930	58	0.8%
96.3%	6,845	6,722	-123	-1.8%
97.5%	6,157	6,551	394	6.4%
98.8%	5,955	6,533	579	9.7%
100.0%	2,825	3,171	346	12.2%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,171	11,171	0	0.0%
45.7%	11,171	11,171	0	0.0%
46.9%	11,171	11,171	0	0.0%
48.1%	11,171	11,171	0	0.0%
49.4%	11,171	11,171	0	0.0%
50.6%	11,171	11,171	0	0.0%
51.9%	11,171	11,171	0	0.0%
53.1%	11,171	11,171	0	0.0%
54.3%	11,171	11,171	0	0.0%
55.6%	11,171	11,171	0	0.0%
56.8%	11,171	11,112	-60	-0.5%
58.0%	11,171	11,078	-93	-0.8%
59.3%	10,982	10,975	-6	-0.1%
60.5%	10,716	10,716	0	0.0%
61.7%	10,687	10,682	-5	0.0%
63.0%	10,470	10,462	-8	-0.1%
64.2%	10,453	10,386	-67	-0.6%
65.4%	10,349	10,359	10	0.1%
66.7%	10,309	10,343	34	0.3%
67.9%	10,259	10,318	59	0.6%
69.1%	10,252	10,289	37	0.4%
70.4%	10,208	10,216	8	0.1%
71.6%	10,129	10,163	34	0.3%
72.8%	9,955	10,117	162	1.6%
74.1%	9,845	9,845	0	0.0%
75.3%	9,734	9,811	77	0.8%
76.5%	9,717	9,679	-38	-0.4%
77.8%	9,674	9,637	-38	-0.4%
79.0%	9,588	9,588	0	0.0%
80.2%	9,404	9,578	174	1.9%
81.5%	9,137	9,339	202	2.2%
82.7%	9,036	9,277	242	2.7%
84.0%	8,758	8,794	36	0.4%
85.2%	8,322	8,482	160	1.9%
86.4%	8,205	8,231	27	0.3%
87.7%	8,078	8,013	-65	-0.8%
88.9%	7,968	7,963	-5	-0.1%
90.1%	7,851	7,956	105	1.3%
91.4%	7,842	7,620	-223	-2.8%
92.6%	7,433	7,501	67	0.9%
93.8%	7,315	7,480	165	2.2%
95.1%	7,183	7,473	289	4.0%
96.3%	6,784	6,836	52	0.8%
97.5%	6,130	6,477	347	5.7%
98.8%	5,984	6,391	407	6.8%
100.0%	2,957	3,060	103	3.5%

Table SW-26-7b
Folsom Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,170	-2	0.0%
40.7%	11,171	11,170	-2	0.0%
42.0%	11,171	11,168	-3	0.0%
43.2%	11,171	11,162	-9	-0.1%
44.4%	11,170	11,151	-19	-0.2%
45.7%	11,170	11,139	-31	-0.3%
46.9%	11,168	11,133	-35	-0.3%
48.1%	11,162	11,076	-86	-0.8%
49.4%	11,133	11,069	-64	-0.6%
50.6%	11,104	11,067	-37	-0.3%
51.9%	11,081	11,007	-74	-0.7%
53.1%	11,067	11,006	-61	-0.6%
54.3%	10,947	10,997	50	0.5%
55.6%	10,808	10,997	188	1.7%
56.8%	10,697	10,985	288	2.7%
58.0%	10,639	10,947	308	2.9%
59.3%	10,398	10,461	63	0.6%
60.5%	10,297	10,398	101	1.0%
61.7%	10,293	10,282	-11	-0.1%
63.0%	10,269	10,207	-61	-0.6%
64.2%	10,119	10,173	54	0.5%
65.4%	9,962	10,088	126	1.3%
66.7%	9,929	9,986	57	0.6%
67.9%	9,748	9,788	40	0.4%
69.1%	9,735	9,684	-51	-0.5%
70.4%	9,692	9,554	-138	-1.4%
71.6%	9,554	9,509	-45	-0.5%
72.8%	9,412	9,487	75	0.8%
74.1%	9,389	9,473	83	0.9%
75.3%	9,308	9,363	55	0.6%
76.5%	9,253	9,299	46	0.5%
77.8%	8,951	9,255	304	3.4%
79.0%	8,822	9,060	238	2.7%
80.2%	8,762	8,835	73	0.8%
81.5%	8,691	8,809	118	1.4%
82.7%	8,639	8,735	95	1.1%
84.0%	8,471	8,681	210	2.5%
85.2%	7,993	7,900	-94	-1.2%
86.4%	7,928	7,715	-212	-2.7%
87.7%	7,834	7,666	-168	-2.1%
88.9%	7,469	7,501	32	0.4%
90.1%	7,412	7,481	69	0.9%
91.4%	7,315	7,333	18	0.2%
92.6%	7,059	7,266	207	2.9%
93.8%	6,540	7,233	693	10.6%
95.1%	6,523	7,215	693	10.6%
96.3%	6,148	6,827	678	11.0%
97.5%	5,824	6,284	460	7.9%
98.8%	4,142	6,063	1,920	46.4%
100.0%	2,522	2,525	3	0.1%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,023	11,023	0	0.0%
1.2%	11,023	11,023	0	0.0%
2.5%	11,023	11,023	0	0.0%
3.7%	11,023	11,023	0	0.0%
4.9%	11,023	11,023	0	0.0%
6.2%	11,023	11,023	0	0.0%
7.4%	11,023	11,023	0	0.0%
8.6%	11,023	11,023	0	0.0%
9.9%	11,023	11,023	0	0.0%
11.1%	11,023	11,023	0	0.0%
12.3%	11,023	11,023	0	0.0%
13.6%	11,023	10,903	-120	-1.1%
14.8%	11,023	10,880	-143	-1.3%
16.0%	11,023	10,870	-153	-1.4%
17.3%	10,920	10,869	-51	-0.5%
18.5%	10,868	10,841	-27	-0.2%
19.8%	10,801	10,841	40	0.4%
21.0%	10,773	10,841	68	0.6%
22.2%	10,641	10,841	200	1.9%
23.5%	10,571	10,835	265	2.5%
24.7%	10,552	10,834	282	2.7%
25.9%	10,512	10,812	299	2.8%
27.2%	10,401	10,670	269	2.6%
28.4%	10,145	10,599	454	4.5%
29.6%	10,115	10,456	342	3.4%
30.9%	10,100	10,412	312	3.1%
32.1%	10,097	10,365	268	2.7%
33.3%	10,082	10,357	275	2.7%
34.6%	10,058	10,344	286	2.8%
35.8%	10,026	10,307	281	2.8%
37.0%	10,014	10,245	231	2.3%
38.3%	9,961	10,200	239	2.4%
39.5%	9,949	10,189	240	2.4%
40.7%	9,914	10,150	236	2.4%
42.0%	9,897	10,147	250	2.5%
43.2%	9,889	10,082	193	2.0%
44.4%	9,825	10,012	187	1.9%
45.7%	9,817	10,007	190	1.9%
46.9%	9,812	9,914	102	1.0%
48.1%	9,757	9,897	140	1.4%
49.4%	9,734	9,891	158	1.6%
50.6%	9,723	9,812	89	0.9%
51.9%	9,556	9,757	201	2.1%
53.1%	9,535	9,713	177	1.9%
54.3%	9,411	9,693	282	3.0%
55.6%	9,410	9,607	197	2.1%
56.8%	9,322	9,576	254	2.7%
58.0%	9,270	9,535	266	2.9%
59.3%	9,016	9,436	419	4.7%
60.5%	8,689	9,380	692	8.0%
61.7%	8,580	9,052	471	5.5%
63.0%	8,422	8,942	520	6.2%
64.2%	8,389	8,685	296	3.5%
65.4%	8,153	8,558	405	5.0%
66.7%	8,125	8,366	241	3.0%
67.9%	8,059	8,343	284	3.5%
69.1%	7,941	8,152	211	2.7%
70.4%	7,850	8,150	299	3.8%
71.6%	7,816	8,139	323	4.1%
72.8%	7,744	8,086	341	4.4%
74.1%	7,629	7,964	336	4.4%
75.3%	7,622	7,698	76	1.0%
76.5%	7,551	7,674	123	1.6%
77.8%	7,456	7,439	-17	-0.2%
79.0%	7,249	7,301	52	0.7%
80.2%	7,211	7,274	63	0.9%
81.5%	7,193	7,239	46	0.6%
82.7%	7,001	7,235	233	3.3%
84.0%	6,980	6,904	-76	-1.1%
85.2%	6,745	6,857	112	1.7%
86.4%	6,689	6,857	168	2.5%
87.7%	6,681	6,829	148	2.2%
88.9%	6,633	6,691	58	0.9%
90.1%	6,301	6,640	339	5.4%
91.4%	6,213	6,623	410	6.6%
92.6%	6,077	6,551	474	7.8%
93.8%	5,943	6,383	440	7.4%
95.1%	5,941	6,024	83	1.4%
96.3%	5,906	5,746	-159	-2.7%
97.5%	4,288	5,692	1,403	32.7%
98.8%	3,380	5,558	2,178	64.4%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,078	10,132	54	0.5%
27.2%	10,016	10,095	79	0.8%
28.4%	9,925	10,049	124	1.2%
29.6%	9,784	10,013	229	2.3%
30.9%	9,781	9,974	194	2.0%
32.1%	9,772	9,949	177	1.8%
33.3%	9,762	9,908	146	1.5%
34.6%	9,653	9,879	226	2.3%
35.8%	9,622	9,820	198	2.1%
37.0%	9,573	9,788	215	2.2%
38.3%	9,543	9,749	205	2.2%
39.5%	9,535	9,727	193	2.0%
40.7%	9,516	9,681	165	1.7%
42.0%	9,467	9,607	140	1.5%
43.2%	9,241	9,594	353	3.8%
44.4%	9,211	9,515	304	3.3%
45.7%	9,053	9,394	341	3.8%
46.9%	9,004	9,377	373	4.1%
48.1%	8,875	9,373	499	5.6%
49.4%	8,871	9,267	396	4.5%
50.6%	8,859	9,183	323	3.7%
51.9%	8,852	9,113	260	2.9%
53.1%	8,759	9,087	329	3.8%
54.3%	8,713	9,083	370	4.2%
55.6%	8,451	9,076	626	7.4%
56.8%	8,441	8,821	380	4.5%
58.0%	8,336	8,812	477	5.7%
59.3%	8,282	8,766	484	5.8%
60.5%	8,160	8,689	529	6.5%
61.7%	8,022	8,689	667	8.3%
63.0%	7,981	8,689	708	8.9%
64.2%	7,928	8,473	545	6.9%
65.4%	7,529	8,255	726	9.6%
66.7%	7,509	7,977	469	6.2%
67.9%	7,505	7,768	263	3.5%
69.1%	7,323	7,752	430	5.9%
70.4%	7,179	7,683	504	7.0%
71.6%	7,087	7,500	413	5.8%
72.8%	6,985	7,285	300	4.3%
74.1%	6,957	7,074	116	1.7%
75.3%	6,929	7,060	131	1.9%
76.5%	6,858	6,845	-13	-0.2%
77.8%	6,725	6,824	100	1.5%
79.0%	6,658	6,773	115	1.7%
80.2%	6,617	6,742	126	1.9%
81.5%	6,570	6,692	122	1.9%
82.7%	6,542	6,539	-3	0.0%
84.0%	6,465	6,511	46	0.7%
85.2%	6,420	6,476	56	0.9%
86.4%	6,116	6,271	155	2.5%
87.7%	6,049	6,213	164	2.7%
88.9%	5,974	6,065	90	1.5%
90.1%	5,917	5,950	33	0.6%
91.4%	5,905	5,850	-55	-0.9%
92.6%	5,837	5,742	-94	-1.6%
93.8%	5,478	5,499	21	0.4%
95.1%	5,284	5,325	41	0.8%
96.3%	5,115	5,267	152	3.0%
97.5%	2,389	4,960	2,570	107.6%
98.8%	2,091	3,109	1,018	48.7%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,149	9,149	0	0.0%
1.2%	9,149	9,149	0	0.0%
2.5%	9,149	9,149	0	0.0%
3.7%	9,149	9,149	0	0.0%
4.9%	9,149	9,149	0	0.0%
6.2%	9,149	9,149	0	0.0%
7.4%	9,149	9,149	0	0.0%
8.6%	9,149	9,149	0	0.0%
9.9%	9,149	9,149	0	0.0%
11.1%	9,149	9,149	0	0.0%
12.3%	9,149	9,149	0	0.0%
13.6%	9,149	9,149	0	0.0%
14.8%	9,146	9,149	4	0.0%
16.0%	9,129	9,149	21	0.2%
17.3%	9,113	9,149	36	0.4%
18.5%	9,103	9,149	46	0.5%
19.8%	9,103	9,149	46	0.5%
21.0%	9,098	9,149	51	0.6%
22.2%	9,095	9,149	54	0.6%
23.5%	9,041	9,149	109	1.2%
24.7%	9,040	9,149	110	1.2%
25.9%	9,032	9,149	118	1.3%
27.2%	8,996	9,149	153	1.7%
28.4%	8,966	9,149	183	2.0%
29.6%	8,958	9,149	191	2.1%
30.9%	8,924	9,140	217	2.4%
32.1%	8,785	9,123	339	3.9%
33.3%	8,773	9,103	330	3.8%
34.6%	8,762	9,023	261	3.0%
35.8%	8,687	8,994	308	3.5%
37.0%	8,621	8,939	318	3.7%
38.3%	8,610	8,931	320	3.7%
39.5%	8,583	8,871	288	3.4%
40.7%	8,548	8,844	296	3.5%
42.0%	8,542	8,834	292	3.4%
43.2%	8,539	8,796	257	3.0%
44.4%	8,454	8,708	254	3.0%
45.7%	8,382	8,689	307	3.7%
46.9%	8,277	8,689	412	5.0%
48.1%	8,205	8,689	484	5.9%
49.4%	8,107	8,689	582	7.2%
50.6%	8,107	8,686	579	7.1%
51.9%	8,100	8,658	559	6.9%
53.1%	8,084	8,643	559	6.9%
54.3%	8,023	8,602	579	7.2%
55.6%	7,955	8,590	634	8.0%
56.8%	7,935	8,538	603	7.6%
58.0%	7,752	8,465	713	9.2%
59.3%	7,714	8,432	718	9.3%
60.5%	7,690	7,971	280	3.6%
61.7%	7,604	7,763	158	2.1%
63.0%	7,291	7,752	461	6.3%
64.2%	7,189	7,724	535	7.4%
65.4%	7,029	7,590	561	8.0%
66.7%	6,990	7,520	530	7.6%
67.9%	6,988	7,303	316	4.5%
69.1%	6,836	7,146	310	4.5%
70.4%	6,802	7,113	311	4.6%
71.6%	6,730	7,111	382	5.7%
72.8%	6,684	7,057	373	5.6%
74.1%	6,639	6,950	312	4.7%
75.3%	6,609	6,756	147	2.2%
76.5%	6,560	6,718	158	2.4%
77.8%	6,542	6,579	36	0.6%
79.0%	6,463	6,441	-22	-0.3%
80.2%	6,450	6,393	-56	-0.9%
81.5%	6,402	6,391	-11	-0.2%
82.7%	6,375	6,365	-10	-0.2%
84.0%	6,260	6,232	-28	-0.5%
85.2%	6,124	6,120	-3	-0.1%
86.4%	5,988	5,992	4	0.1%
87.7%	5,801	5,946	145	2.5%
88.9%	5,691	5,879	188	3.3%
90.1%	5,535	5,866	331	6.0%
91.4%	5,472	5,521	49	0.9%
92.6%	5,437	5,487	50	0.9%
93.8%	5,158	5,378	221	4.3%
95.1%	4,921	4,700	-221	-4.5%
96.3%	2,842	4,451	1,609	56.6%
97.5%	2,091	4,258	2,167	103.6%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Table SW-27-7a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,498	2,745	3,268	4,368	5,068	3,686	3,255	3,461	3,526	3,640	2,501	2,679
Alternative C	1,586	2,808	3,335	4,391	5,054	3,721	3,304	3,478	3,446	3,334	2,534	2,654
Difference	88	63	67	23	-14	35	49	16	-80	-307	33	-25
Percent Difference[3]	5.9%	2.3%	2.0%	0.5%	-0.3%	1.0%	1.5%	0.5%	-2.3%	-8.4%	1.3%	-0.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,634	3,901	3,618	8,626	9,123	6,055	5,197	5,968	5,780	3,898	3,267	4,293
Alternative C	1,866	4,032	3,631	8,680	9,114	6,053	5,197	5,968	5,801	3,563	3,439	3,976
Difference	232	132	13	54	-9	-1	0	0	21	-335	172	-317
Percent Difference	14.2%	3.4%	0.4%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-8.6%	5.3%	-7.4%
Above Normal (15%)												
No Action Alternative	1,525	2,743	2,900	4,521	6,203	5,332	3,454	3,649	3,255	4,415	2,632	3,088
Alternative C	1,538	2,846	3,034	4,675	6,199	5,378	3,449	3,646	3,191	4,182	2,621	2,936
Difference	13	103	134	154	-4	46	-5	-3	-64	-233	-11	-152
Percent Difference	0.9%	3.8%	4.6%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.0%	-5.3%	-0.4%	-4.9%
Below Normal (17%)												
No Action Alternative	1,649	3,356	3,983	2,273	4,139	2,387	2,972	2,799	2,637	4,835	2,397	2,060
Alternative C	1,670	3,439	4,038	2,308	4,034	2,379	3,109	2,854	2,588	3,996	2,337	2,631
Difference	21	83	56	35	-104	-8	137	55	-49	-839	-60	572
Percent Difference	1.3%	2.5%	1.4%	1.5%	-2.5%	-0.3%	4.6%	2.0%	-1.9%	-17.4%	-2.5%	27.8%
Dry (22%)												
No Action Alternative	1,439	1,771	4,027	1,709	1,773	2,010	1,907	1,715	2,372	3,254	2,308	1,593
Alternative C	1,545	1,745	4,179	1,588	1,802	2,092	1,902	1,740	2,235	3,140	2,139	1,626
Difference	106	-26	152	-121	29	82	-5	25	-137	-114	-169	33
Percent Difference	7.4%	-1.5%	3.8%	-7.1%	1.6%	4.1%	-0.3%	1.4%	-5.8%	-3.5%	-7.3%	2.1%
Critical (15%)												
No Action Alternative	1,089	990	906	1,423	1,175	939	1,197	1,234	1,679	1,493	1,118	1,123
Alternative C	991	974	908	1,446	1,183	1,022	1,388	1,248	1,413	1,506	1,306	1,076
Difference	-98	-16	2	24	7	83	191	14	-266	13	188	-47
Percent Difference	-9.0%	-1.6%	0.2%	1.7%	0.6%	8.8%	15.9%	1.1%	-15.9%	0.9%	16.9%	-4.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-27-7b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

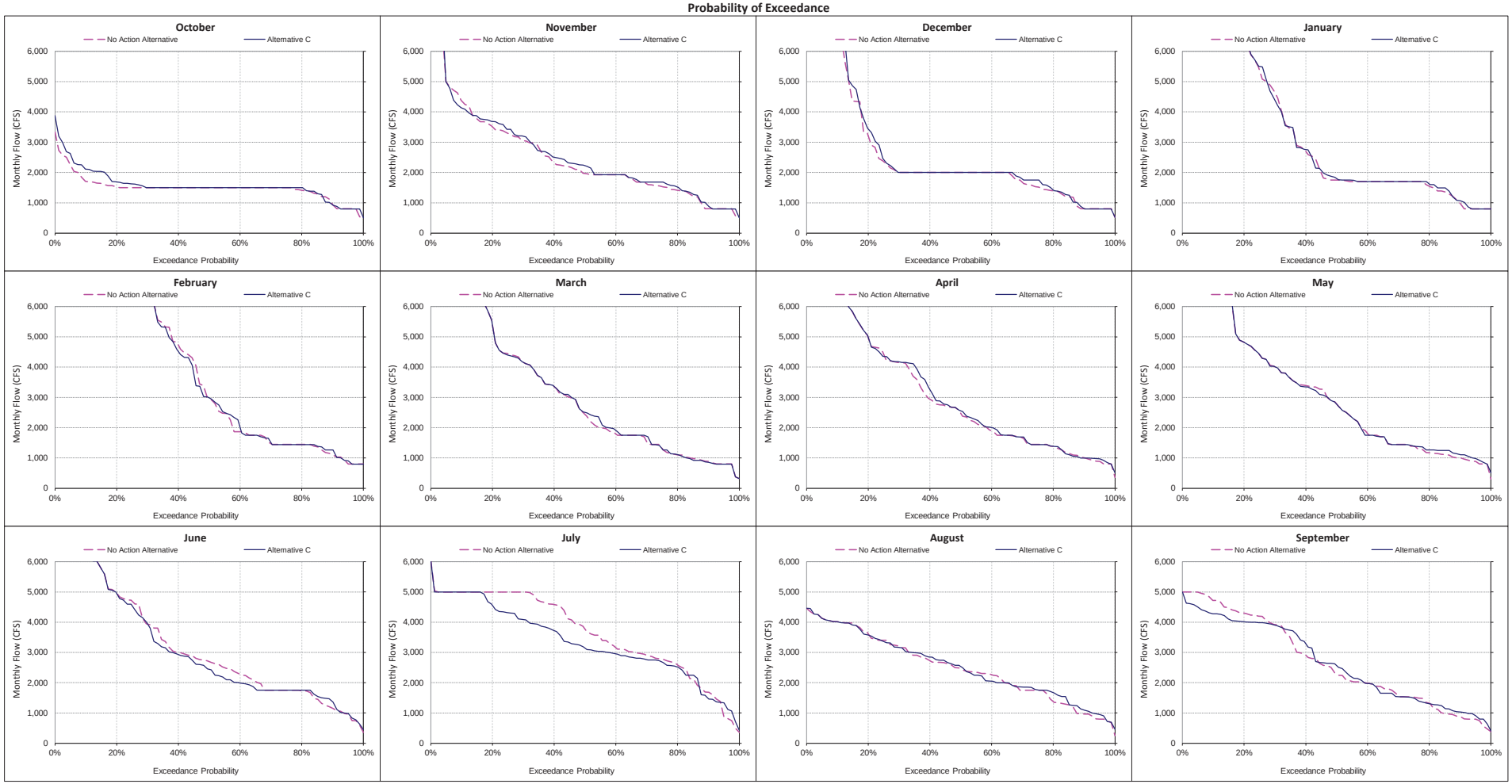

Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	3,878	541	16.2%
1.2%	2,727	3,202	475	17.4%
2.5%	2,572	2,993	422	16.4%
3.7%	2,503	2,692	189	7.5%
4.9%	2,265	2,630	364	16.1%
6.2%	2,035	2,316	281	13.8%
7.4%	1,999	2,265	266	13.3%
8.6%	1,841	2,250	409	22.2%
9.9%	1,712	2,114	402	23.5%
11.1%	1,690	2,102	412	24.4%
12.3%	1,687	2,041	354	21.0%
13.6%	1,654	2,035	381	23.1%
14.8%	1,640	2,032	392	23.9%
16.0%	1,597	2,012	415	26.0%
17.3%	1,567	1,873	307	19.6%
18.5%	1,563	1,700	137	8.7%
19.8%	1,534	1,694	160	10.4%
21.0%	1,500	1,676	176	11.8%
22.2%	1,500	1,645	145	9.7%
23.5%	1,500	1,644	144	9.6%
24.7%	1,500	1,622	122	8.1%
25.9%	1,500	1,616	116	7.7%
27.2%	1,500	1,589	89	5.9%
28.4%	1,500	1,558	58	3.8%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,442	1,500	58	4.0%
79.0%	1,428	1,500	72	5.0%
80.2%	1,409	1,500	91	6.5%
81.5%	1,388	1,397	9	0.6%
82.7%	1,371	1,385	14	1.0%
84.0%	1,318	1,382	64	4.9%
85.2%	1,286	1,297	11	0.8%
86.4%	1,205	1,270	65	5.4%
87.7%	1,196	1,020	-176	-14.7%
88.9%	1,119	1,017	-102	-9.1%
90.1%	918	920	1	0.1%
91.4%	800	876	76	9.6%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	537	800	263	49.0%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	17,253	0	0.0%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,324	530	7.8%
4.9%	5,000	5,000	0	0.0%
6.2%	4,822	4,785	-37	-0.8%
7.4%	4,716	4,387	-329	-7.0%
8.6%	4,634	4,237	-397	-8.6%
9.9%	4,380	4,139	-240	-5.5%
11.1%	4,248	4,086	-162	-3.8%
12.3%	4,205	3,971	-234	-5.6%
13.6%	3,886	3,886	0	0.0%
14.8%	3,786	3,878	92	2.4%
16.0%	3,680	3,766	85	2.3%
17.3%	3,676	3,751	74	2.0%
18.5%	3,621	3,739	118	3.3%
19.8%	3,532	3,688	156	4.4%
21.0%	3,407	3,681	274	8.0%
22.2%	3,407	3,615	208	6.1%
23.5%	3,378	3,585	207	6.1%
24.7%	3,306	3,428	123	3.7%
25.9%	3,250	3,428	178	5.5%
27.2%	3,186	3,252	66	2.1%
28.4%	3,177	3,209	32	1.0%
29.6%	3,058	3,204	147	4.8%
30.9%	3,045	3,172	128	4.2%
32.1%	2,980	3,016	35	1.2%
33.3%	2,974	2,903	-70	-2.4%
34.6%	2,908	2,735	-173	-6.0%
35.8%	2,685	2,697	12	0.5%
37.0%	2,544	2,685	141	5.5%
38.3%	2,521	2,626	105	4.2%
39.5%	2,364	2,517	153	6.5%
40.7%	2,261	2,487	226	10.0%
42.0%	2,246	2,462	216	9.6%
43.2%	2,216	2,431	215	9.7%
44.4%	2,206	2,317	111	5.0%
45.7%	2,163	2,301	138	6.4%
46.9%	2,100	2,285	186	8.8%
48.1%	2,098	2,255	157	7.5%
49.4%	1,979	2,244	265	13.4%
50.6%	1,956	2,206	250	12.8%
51.9%	1,925	2,147	222	11.5%
53.1%	1,925	1,925	0	0.0%
54.3%	1,925	1,925	0	0.0%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,925	0	0.0%
60.5%	1,925	1,925	0	0.0%
61.7%	1,925	1,925	0	0.0%
63.0%	1,925	1,925	0	0.0%
64.2%	1,815	1,833	18	1.0%
65.4%	1,773	1,815	42	2.4%
66.7%	1,683	1,770	87	5.2%
67.9%	1,683	1,683	0	0.0%
69.1%	1,683	1,683	0	0.0%
70.4%	1,597	1,683	87	5.4%
71.6%	1,589	1,683	94	5.9%
72.8%	1,570	1,683	113	7.2%
74.1%	1,561	1,683	122	7.8%
75.3%	1,523	1,683	160	10.5%
76.5%	1,511	1,615	104	6.9%
77.8%	1,442	1,575	132	9.2%
79.0%	1,428	1,560	131	9.2%
80.2%	1,409	1,504	95	6.7%
81.5%	1,388	1,397	9	0.6%
82.7%	1,371	1,382	11	0.8%
84.0%	1,286	1,352	66	5.1%
85.2%	1,205	1,270	65	5.4%
86.4%	1,196	1,249	53	4.4%
87.7%	985	1,020	34	3.5%
88.9%	800	1,017	217	27.1%
90.1%	800	876	76	9.6%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	567	800	233	41.2%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,023	217	1.1%
1.2%	16,694	16,694	0	0.0%
2.5%	15,826	16,167	341	2.2%
3.7%	15,819	15,819	0	0.0%
4.9%	13,854	13,850	-5	0.0%
6.2%	12,876	12,645	-231	-1.8%
7.4%	9,069	9,193	124	1.4%
8.6%	8,809	8,791	-18	-0.2%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,653	0	0.0%
12.3%	5,722	6,379	657	11.5%
13.6%	5,079	5,051	-28	-0.5%
14.8%	4,368	4,865	497	11.4%
16.0%	4,345	4,742	397	9.1%
17.3%	4,340	4,131	-209	-4.8%
18.5%	3,325	3,761	435	13.1%
19.8%	3,291	3,458	167	5.1%
21.0%	2,909	3,315	406	14.0%
22.2%	2,828	3,029	201	7.1%
23.5%	2,466	2,909	443	17.9%
24.7%	2,388	2,466	79	3.3%
25.9%	2,287	2,307	20	0.9%
27.2%	2,156	2,226	69	3.2%
28.4%	2,091	2,118	27	1.3%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,886	2,000	114	6.0%
67.9%	1,750	1,886	136	7.8%
69.1%	1,750	1,840	90	5.1%
70.4%	1,632	1,750	118	7.2%
71.6%	1,595	1,750	155	9.7%
72.8%	1,583	1,750	167	10.5%
74.1%	1,532	1,750	218	14.3%
75.3%	1,515	1,750	235	15.5%
76.5%	1,442	1,602	159	11.0%
77.8%	1,428	1,581	153	10.7%
79.0%	1,409	1,505	96	6.8%
80.2%	1,388	1,397	9	0.6%
81.5%	1,371	1,382	11	0.8%
82.7%	1,286	1,352	66	5.1%
84.0%	1,205	1,270	65	5.4%
85.2%	1,196	1,249	53	4.4%
86.4%	1,184	1,020	-165	-13.9%
87.7%	884	1,017	133	15.0%
88.9%	800	876	76	9.6%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	519	517	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	31,335	0	0.0%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,665	-15	-0.1%
3.7%	15,659	15,768	109	0.7%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,535	111	1.1%
11.1%	10,105	10,105	0	0.0%
12.3%	9,283	9,280	-3	0.0%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,884	-5	-0.1%
17.3%	7,553	7,429	-124	-1.6%
18.5%	6,772	6,532	-240	-3.5%
19.8%	6,713	6,468	-245	-3.6%
21.0%	6,262	6,262	0	0.0%
22.2%	5,887	5,900	13	0.2%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,511	28	0.5%
25.9%	5,086	5,483	397	7.8%
27.2%	5,013	5,068	54	1.1%
28.4%	4,879	4,695	-185	-3.8%
29.6%	4,702	4,454	-248	-5.3%
30.9%	4,454	4,212	-242	-5.4%
32.1%	4,017	4,007	-10	-0.3%
33.3%	3,589	3,542	-47	-1.3%
34.6%	3,465	3,508	43	1.2%
35.8%	3,450	3,488	38	1.1%
37.0%	2,889	2,820	-69	-2.4%
38.3%	2,849	2,812	-36	-1.3%
39.5%	2,764	2,764	0	0.0%
40.7%	2,590	2,744	154	6.0%
42.0%	2,538	2,505	-32	-1.3%
43.2%	2,441	2,142	-299	-12.2%
44.4%	2,099	2,138	39	1.9%
45.7%	1,818	1,983	165	9.1%
46.9%	1,780	1,915	135	7.6%
48.1%	1,750	1,880	130	7.4%
49.4%	1,750	1,844	94	5.3%
50.6%	1,750	1,762	12	0.7%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,750	50	2.9%
55.6%	1,700	1,745	45	2.7%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,700	97	6.0%
80.2%	1,532	1,603	72	4.7%
81.5%	1,488	1,602	114	7.7%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,488	100	7.2%
85.2%	1,356	1,488	131	9.7%
86.4%	1,288	1,382	94	7.3%
87.7%	1,214	1,187	-27	-2.2%
88.9%	1,093	1,080	-13	-1.2%
90.1%	972	1,061	89	9.2%
91.4%	800	1,017	217	27.1%
92.6%	800	867	67	8.3%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,176	-7	0.0%
1.2%	15,713	15,708	-5	0.0%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,474	7	0.1%
4.9%	13,432	13,434	2	0.0%
6.2%	13,208	13,192	-16	-0.1%
7.4%	12,504	12,437	-68	-0.5%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,418	-11	-0.1%
11.1%	11,154	11,154	0	0.0%
12.3%	10,888	10,888	0	0.0%
13.6%	10,509	10,509	0	0.0%
14.8%	10,034	10,034	0	0.0%
16.0%	9,949	9,949	0	0.0%
17.3%	9,690	9,690	0	0.0%
18.5%	9,477	9,477	0	0.0%
19.8%	9,309	9,307	-2	0.0%
21.0%	8,067	8,067	0	0.0%
22.2%	7,930	7,930	0	0.0%
23.5%	7,769	7,722	-47	-0.6%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,121	-4	0.0%
27.2%	6,827	6,586	-241	-3.5%
28.4%	6,483	6,483	0	0.0%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,100	-1	0.0%
33.3%	5,552	5,484	-68	-1.2%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	4,980	-337	-6.3%
38.3%	4,844	4,844	0	0.0%
39.5%	4,835	4,593	-242	-5.0%
40.7%	4,593	4,416	-178	-3.9%
42.0%	4,471	4,320	-151	-3.4%
43.2%	4,416	4,316	-99	-2.2%
44.4%	4,316	4,063	-253	-5.9%
45.7%	4,063	3,382	-681	-16.8%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,020	-370	-10.9%
49.4%	3,005	3,012	6	0.2%
50.6%	2,927	2,951	24	0.8%
51.9%	2,802	2,838	36	1.3%
53.1%	2,548	2,752	204	8.0%
54.3%	2,476	2,528	52	2.1%
55.6%	2,471	2,472	1	0.0%
56.8%	2,260	2,426	166	7.4%
58.0%	1,869	2,339	470	25.2%
59.3%	1,864	2,260	396	21.2%
60.5%	1,863	1,830	-33	-1.8%
61.7%	1,822	1,750	-72	-3.9%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,700	-50	-2.9%
67.9%	1,700	1,667	-33	-2.0%
69.1%	1,521	1,648	127	8.3%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,388	1,445	57	4.1%
85.2%	1,363	1,382	19	1.4%
86.4%	1,264	1,363	98	7.8%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,264	170	15.5%
91.4%	1,033	1,017	-16	-1.6%
92.6%	1,032	1,009	-23	-2.2%
93.8%	929	918	-11	-1.2%
95.1%	800	902	102	12.8%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,578	0	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,507	514	4.3%
3.7%	11,925	11,993	67	0.6%
4.9%	11,784	11,925	141	1.2%
6.2%	10,972	10,972	0	0.0%
7.4%	10,571	10,573	2	0.0%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,405	606	7.8%
11.1%	7,677	7,677	0	0.0%
12.3%	7,243	7,243	0	0.0%
13.6%	6,620	6,620	0	0.0%
14.8%	6,390	6,390	0	0.0%
16.0%	6,154	6,154	0	0.0%
17.3%	6,122	6,122	0	0.0%
18.5%	5,855	5,855	0	0.0%
19.8%	5,555	5,552	-3	-0.1%
21.0%	4,798	4,798	0	0.0%
22.2%	4,554	4,554	0	0.0%
23.5%	4,467	4,467	0	0.0%
24.7%	4,458	4,403	-56	-1.3%
25.9%	4,407	4,373	-34	-0.8%
27.2%	4,379	4,336	-43	-1.0%
28.4%	4,336	4,296	-40	-0.9%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,069	-4	-0.1%
33.3%	3,946	3,924	-22	-0.6%
34.6%	3,725	3,725	0	0.0%
35.8%	3,649	3,649	0	0.0%
37.0%	3,442	3,442	0	0.0%
38.3%	3,429	3,429	0	0.0%
39.5%	3,399	3,399	0	0.0%
40.7%	3,295	3,295	0	0.0%
42.0%	3,101	3,165	63	2.0%
43.2%	3,100	3,098	-3	-0.1%
44.4%	3,022	3,096	74	2.5%
45.7%	2,979	2,989	10	0.3%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,619	1	0.0%
49.4%	2,500	2,518	18	0.7%
50.6%	2,377	2,487	110	4.6%
51.9%	2,190	2,422	232	10.6%
53.1%	2,085	2,377	293	14.0%
54.3%	2,010	2,364	355	17.6%
55.6%	1,996	2,084	88	4.4%
56.8%	1,969	2,010	41	2.1%
58.0%	1,872	1,995	123	6.6%
59.3%	1,854	1,969	115	6.2%
60.5%	1,750	1,872	122	7.0%
61.7%	1,750	1,752	2	0.1%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,742	1,750	8	0.5%
69.1%	1,700	1,750	50	2.9%
70.4%	1,460	1,700	240	16.5%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,417	-28	-1.9%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,264	85	7.2%
77.8%	1,143	1,137	-5	-0.5%
79.0%	1,123	1,131	8	0.7%
80.2%	1,098	1,109	11	1.0%
81.5%	1,095	1,059	-36	-3.3%
82.7%	1,032	1,009	-23	-2.2%
84.0%	1,001	981	-19	-1.9%
85.2%	979	924	-54	-5.6%
86.4%	958	922	-36	-3.8%
87.7%	929	918	-11	-1.2%
88.9%	895	868	-27	-3.0%
90.1%	884	854	-30	-3.4%
91.4%	838	819	-19	-2.3%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	380	380	0	0.0%
100.0%	317	317	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,403	14,403	0	0.0%
1.2%	10,186	10,186	0	0.0%
2.5%	8,463	8,463	0	0.0%
3.7%	7,712	7,712	0	0.0%
4.9%	7,526	7,526	0	0.0%
6.2%	6,983	6,983	0	0.0%
7.4%	6,728	6,732	4	0.1%
8.6%	6,683	6,683	0	0.0%
9.9%	6,561	6,561	0	0.0%
11.1%	6,327	6,327	0	0.0%
12.3%	6,325	6,325	0	0.0%
13.6%	5,990	5,990	0	0.0%
14.8%	5,835	5,835	0	0.0%
16.0%	5,594	5,594	0	0.0%
17.3%	5,400	5,400	0	0.0%
18.5%	5,201	5,201	0	0.0%
19.8%	5,050	5,049	-1	0.0%
21.0%	4,684	4,657	-27	-0.6%
22.2%	4,657	4,614	-43	-0.9%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,357	-150	-3.3%
25.9%	4,212	4,345	133	3.2%
27.2%	4,208	4,211	3	0.1%
28.4%	4,179	4,179	0	0.0%
29.6%	4,153	4,176	24	0.6%
30.9%	4,152	4,153	1	0.0%
32.1%	4,127	4,152	25	0.6%
33.3%	3,927	4,127	200	5.1%
34.6%	3,702	4,112	410	11.1%
35.8%	3,594	3,927	333	9.3%
37.0%	3,332	3,679	347	10.4%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,122	228	7.9%
42.0%	2,781	2,893	113	4.1%
43.2%	2,758	2,886	128	4.6%
44.4%	2,746	2,781	35	1.3%
45.7%	2,686	2,758	71	2.7%
46.9%	2,677	2,675	-3	-0.1%
48.1%	2,668	2,668	0	0.0%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,527	147	6.2%
51.9%	2,357	2,375	18	0.8%
53.1%	2,240	2,340	100	4.4%
54.3%	2,202	2,284	83	3.8%
55.6%	2,112	2,240	128	6.1%
56.8%	2,058	2,112	55	2.7%
58.0%	2,032	2,025	-7	-0.4%
59.3%	1,926	2,018	92	4.8%
60.5%	1,873	1,992	119	6.3%
61.7%	1,754	1,926	172	9.8%
63.0%	1,750	1,765	15	0.8%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,750	19	1.1%
67.9%	1,720	1,700	-20	-1.2%
69.1%	1,700	1,694	-6	-0.4%
70.4%	1,637	1,690	53	3.2%
71.6%	1,445	1,507	62	4.3%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,388	1,396	8	0.6%
80.2%	1,386	1,382	-4	-0.3%
81.5%	1,318	1,376	58	4.4%
82.7%	1,264	1,264	0	0.0%
84.0%	1,179	1,137	-42	-3.5%
85.2%	1,143	1,109	-33	-2.9%
86.4%	1,098	1,059	-40	-3.6%
87.7%	1,088	1,046	-42	-3.9%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	991	62	6.7%
93.8%	895	981	87	9.7%
95.1%	884	973	89	10.1%
96.3%	800	918	118	14.7%
97.5%	800	845	45	5.6%
98.8%	800	800	0	0.0%
100.0%	357	513	156	43.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,096	-30	-0.6%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,290	-1	0.0%
27.2%	4,273	4,253	-20	-0.5%
28.4%	4,064	4,028	-36	-0.9%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	3,974	16	0.4%
32.1%	3,810	3,810	0	0.0%
33.3%	3,805	3,805	0	0.0%
34.6%	3,665	3,665	0	0.0%
35.8%	3,550	3,550	0	0.0%
37.0%	3,473	3,473	0	0.0%
38.3%	3,415	3,371	-44	-1.3%
39.5%	3,399	3,354	-45	-1.3%
40.7%	3,371	3,345	-26	-0.8%
42.0%	3,354	3,277	-76	-2.3%
43.2%	3,345	3,225	-120	-3.6%
44.4%	3,277	3,103	-174	-5.3%
45.7%	3,267	3,071	-196	-6.0%
46.9%	2,995	3,020	25	0.8%
48.1%	2,894	2,894	0	0.0%
49.4%	2,853	2,851	-1	-0.1%
50.6%	2,709	2,709	0	0.0%
51.9%	2,575	2,575	0	0.0%
53.1%	2,508	2,504	-3	-0.1%
54.3%	2,394	2,394	0	0.0%
55.6%	2,287	2,286	-1	-0.1%
56.8%	2,204	2,204	0	0.0%
58.0%	1,970	1,970	0	0.0%
59.3%	1,900	1,750	-150	-7.9%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,716	-34	-1.9%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,472	12	0.8%
67.9%	1,445	1,445	0	0.0%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,417	30	2.1%
75.3%	1,386	1,382	-4	-0.3%
76.5%	1,284	1,376	91	7.1%
77.8%	1,281	1,362	80	6.3%
79.0%	1,179	1,264	85	7.2%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,264	112	9.7%
82.7%	1,143	1,250	107	9.4%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,161	129	12.5%
88.9%	1,001	1,137	137	13.7%
90.1%	1,001	1,109	109	10.9%
91.4%	958	1,108	150	15.7%
92.6%	929	1,059	130	14.0%
93.8%	895	1,005	110	12.3%
95.1%	884	981	98	11.0%
96.3%	800	918	118	14.7%
97.5%	800	859	59	7.3%
98.8%	800	800	0	0.0%
100.0%	305	513	208	67.9%

Table SW-27-7b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,137	14,137	0	0.0%
1.2%	10,879	10,879	0	0.0%
2.5%	10,224	10,224	0	0.0%
3.7%	10,211	10,211	0	0.0%
4.9%	10,121	10,121	0	0.0%
6.2%	9,050	9,050	0	0.0%
7.4%	8,579	8,579	0	0.0%
8.6%	7,451	7,451	0	0.0%
9.9%	6,988	6,988	0	0.0%
11.1%	6,353	6,353	0	0.0%
12.3%	6,026	6,026	0	0.0%
13.6%	6,019	6,019	0	0.0%
14.8%	5,804	5,804	0	0.0%
16.0%	5,597	5,597	0	0.0%
17.3%	5,094	5,079	-15	-0.3%
18.5%	5,079	5,059	-20	-0.4%
19.8%	5,000	4,999	-1	0.0%
21.0%	4,834	4,781	-53	-1.1%
22.2%	4,781	4,732	-49	-1.0%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,414	-186	-4.1%
27.2%	4,595	4,234	-361	-7.8%
28.4%	4,133	4,152	19	0.5%
29.6%	3,950	4,007	57	1.5%
30.9%	3,918	3,807	-111	-2.8%
32.1%	3,807	3,364	-443	-11.6%
33.3%	3,802	3,295	-508	-13.3%
34.6%	3,433	3,185	-248	-7.2%
35.8%	3,364	3,151	-213	-6.3%
37.0%	3,168	3,017	-151	-4.8%
38.3%	3,047	2,994	-54	-1.8%
39.5%	3,004	2,952	-52	-1.7%
40.7%	2,994	2,900	-94	-3.1%
42.0%	2,952	2,875	-77	-2.6%
43.2%	2,906	2,859	-48	-1.6%
44.4%	2,900	2,745	-155	-5.3%
45.7%	2,810	2,606	-204	-7.3%
46.9%	2,764	2,604	-160	-5.8%
48.1%	2,746	2,572	-175	-6.4%
49.4%	2,723	2,460	-263	-9.7%
50.6%	2,673	2,422	-251	-9.4%
51.9%	2,630	2,250	-380	-14.4%
53.1%	2,605	2,229	-376	-14.4%
54.3%	2,521	2,187	-334	-13.2%
55.6%	2,470	2,099	-371	-15.0%
56.8%	2,465	2,096	-368	-14.9%
58.0%	2,374	2,013	-361	-15.2%
59.3%	2,311	2,009	-302	-13.1%
60.5%	2,256	1,982	-273	-12.1%
61.7%	2,238	1,961	-277	-12.4%
63.0%	2,158	1,932	-226	-10.5%
64.2%	2,099	1,871	-229	-10.9%
65.4%	2,009	1,750	-259	-12.9%
66.7%	1,972	1,750	-222	-11.2%
67.9%	1,752	1,750	-2	-0.1%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,750	76	4.5%
84.0%	1,488	1,619	132	8.9%
85.2%	1,452	1,540	89	6.1%
86.4%	1,312	1,506	193	14.7%
87.7%	1,257	1,487	230	18.3%
88.9%	1,211	1,470	259	21.4%
90.1%	1,145	1,359	214	18.7%
91.4%	1,073	1,115	42	3.9%
92.6%	1,060	1,014	-46	-4.3%
93.8%	980	999	19	1.9%
95.1%	964	981	17	1.8%
96.3%	743	835	91	12.3%
97.5%	743	774	31	4.2%
98.8%	599	627	28	4.7%
100.0%	357	443	85	23.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-0.8%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	5,000	0	0.0%
14.8%	5,000	5,000	0	0.0%
16.0%	5,000	4,999	-1	0.0%
17.3%	5,000	4,930	-70	-1.4%
18.5%	5,000	4,678	-322	-6.4%
19.8%	5,000	4,595	-405	-8.1%
21.0%	5,000	4,418	-582	-11.6%
22.2%	5,000	4,352	-648	-13.0%
23.5%	5,000	4,344	-656	-13.1%
24.7%	5,000	4,323	-677	-13.5%
25.9%	5,000	4,307	-693	-13.9%
27.2%	5,000	4,292	-708	-14.2%
28.4%	5,000	4,114	-886	-17.7%
29.6%	5,000	4,092	-908	-18.2%
30.9%	5,000	4,073	-927	-18.5%
32.1%	4,980	3,968	-1,012	-20.3%
33.3%	4,906	3,947	-959	-19.5%
34.6%	4,728	3,932	-796	-16.8%
35.8%	4,677	3,864	-813	-17.4%
37.0%	4,652	3,845	-807	-17.4%
38.3%	4,600	3,799	-800	-17.4%
39.5%	4,595	3,744	-850	-18.5%
40.7%	4,572	3,689	-884	-19.3%
42.0%	4,539	3,554	-985	-21.7%
43.2%	4,395	3,363	-1,032	-23.5%
44.4%	4,117	3,348	-768	-18.7%
45.7%	4,073	3,289	-784	-19.3%
46.9%	3,937	3,269	-668	-17.0%
48.1%	3,930	3,246	-684	-17.4%
49.4%	3,864	3,190	-674	-17.5%
50.6%	3,691	3,096	-595	-16.1%
51.9%	3,616	3,091	-525	-14.5%
53.1%	3,572	3,052	-520	-14.6%
54.3%	3,571	3,035	-536	-15.0%
55.6%	3,399	3,035	-364	-10.7%
56.8%	3,393	3,008	-385	-11.3%
58.0%	3,295	2,992	-303	-9.2%
59.3%	3,217	2,967	-250	-7.8%
60.5%	3,114	2,947	-167	-5.4%
61.7%	3,107	2,897	-211	-6.8%
63.0%	3,096	2,891	-205	-6.6%
64.2%	3,030	2,856	-174	-5.7%
65.4%	3,017	2,832	-185	-6.1%
66.7%	2,982	2,810	-172	-5.8%
67.9%	2,967	2,807	-160	-5.4%
69.1%	2,947	2,788	-159	-5.4%
70.4%	2,897	2,750	-147	-5.1%
71.6%	2,868	2,750	-118	-4.1%
72.8%	2,810	2,750	-60	-2.1%
74.1%	2,788	2,724	-63	-2.3%
75.3%	2,775	2,666	-109	-3.9%
76.5%	2,724	2,577	-147	-5.4%
77.8%	2,687	2,564	-123	-4.6%
79.0%	2,666	2,553	-113	-4.2%
80.2%	2,564	2,513	-51	-2.0%
81.5%	2,498	2,417	-81	-3.2%
82.7%	2,447	2,250	-197	-8.0%
84.0%	2,136	2,250	114	5.3%
85.2%	2,122	2,250	128	6.0%
86.4%	1,915	2,147	232	12.1%
87.7%	1,818	1,603	-215	-11.8%
88.9%	1,695	1,582	-113	-6.7%
90.1%	1,683	1,460	-223	-13.3%
91.4%	1,605	1,453	-152	-9.4%
92.6%	1,461	1,371	-90	-6.2%
93.8%	1,383	1,348	-35	-2.5%
95.1%	856	1,335	479	56.0%
96.3%	811	1,117	306	37.7%
97.5%	745	1,063	319	42.8%
98.8%	496	711	215	43.3%
100.0%	362	428	66	18.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,460	3	0.1%
1.2%	4,354	4,457	104	2.4%
2.5%	4,266	4,271	6	0.1%
3.7%	4,256	4,256	0	0.0%
4.9%	4,130	4,130	0	0.0%
6.2%	4,081	4,081	0	0.0%
7.4%	4,049	4,049	0	0.0%
8.6%	4,024	4,017	-7	-0.2%
9.9%	4,017	4,014	-4	-0.1%
11.1%	4,014	3,982	-32	-0.8%
12.3%	3,982	3,977	-5	-0.1%
13.6%	3,977	3,972	-5	-0.1%
14.8%	3,972	3,909	-64	-1.6%
16.0%	3,892	3,892	0	0.0%
17.3%	3,823	3,767	-56	-1.5%
18.5%	3,679	3,603	-76	-2.1%
19.8%	3,653	3,586	-67	-1.8%
21.0%	3,475	3,542	67	1.9%
22.2%	3,445	3,464	19	0.6%
23.5%	3,405	3,432	27	0.8%
24.7%	3,402	3,371	-31	-0.9%
25.9%	3,401	3,320	-81	-2.4%
27.2%	3,264	3,314	49	1.5%
28.4%	3,244	3,181	-63	-2.0%
29.6%	3,222	3,171	-51	-1.6%
30.9%	3,163	3,155	-8	-0.2%
32.1%	3,156	3,031	-125	-4.0%
33.3%	2,964	3,015	51	1.7%
34.6%	2,908	2,993	86	2.9%
35.8%	2,906	2,984	78	2.7%
37.0%	2,849	2,970	120	4.2%
38.3%	2,824	2,893	69	2.4%
39.5%	2,762	2,849	87	3.2%
40.7%	2,680	2,848	168	6.3%
42.0%	2,674	2,764	90	3.4%
43.2%	2,671	2,746	75	2.8%
44.4%	2,664	2,742	79	3.0%
45.7%	2,637	2,670	33	1.3%
46.9%	2,589	2,627	38	1.5%
48.1%	2,497	2,577	80	3.2%
49.4%	2,494	2,572	78	3.1%
50.6%	2,422	2,492	71	2.9%
51.9%	2,378	2,368	-10	-0.4%
53.1%	2,364	2,324	-41	-1.7%
54.3%	2,352	2,250	-102	-4.3%
55.6%	2,339	2,250	-89	-3.8%
56.8%	2,308	2,223	-85	-3.7%
58.0%	2,305	2,068	-237	-10.3%
59.3%	2,286	2,057	-229	-10.0%
60.5%	2,249	2,045	-204	-9.1%
61.7%	2,232	2,000	-232	-10.4%
63.0%	2,133	2,000	-133	-6.2%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	2,000	21	1.1%
66.7%	1,910	1,913	3	0.1%
67.9%	1,902	1,866	-37	-1.9%
69.1%	1,750	1,860	110	6.3%
70.4%	1,750	1,858	108	6.2%
71.6%	1,750	1,857	107	6.1%
72.8%	1,750	1,850	100	5.7%
74.1%	1,750	1,779	29	1.6%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,645	1,750	105	6.4%
79.0%	1,459	1,711	253	17.3%
80.2%	1,353	1,665	312	23.0%
81.5%	1,339	1,583	244	18.3%
82.7%	1,312	1,546	234	17.8%
84.0%	1,288	1,543	255	19.8%
85.2%	1,263	1,268	5	0.4%
86.4%	1,190	1,249	59	5.0%
87.7%	982	1,245	263	26.7%
88.9%	980	1,137	157	16.0%
90.1%	965	1,094	129	13.4%
91.4%	964	1,059	95	9.8%
92.6%	899	996	98	10.9%
93.8%	807	978	171	21.1%
95.1%	800	946	146	18.2%
96.3%	800	905	105	13.1%
97.5%	743	714	-30	-4.0%
98.8%	679	700	21	3.1%
100.0%	250	460	210	84.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	4,633	-367	-7.3%
2.5%	5,000	4,616	-384	-7.7%
3.7%	5,000	4,576	-424	-8.5%
4.9%	4,997	4,505	-491	-9.8%
6.2%	4,953	4,415	-538	-10.9%
7.4%	4,918	4,373	-545	-11.1%
8.6%	4,843	4,312	-531	-11.0%
9.9%	4,723	4,276	-447	-9.5%
11.1%	4,718	4,275	-443	-9.4%
12.3%	4,670	4,264	-406	-8.7%
13.6%	4,505	4,216	-289	-6.4%
14.8%	4,486	4,114	-372	-8.3%
16.0%	4,413	4,055	-358	-8.1%
17.3%	4,373	4,033	-340	-7.8%
18.5%	4,316	4,032	-284	-6.6%
19.8%	4,313	4,015	-298	-6.9%
21.0%	4,276	4,004	-272	-6.4%
22.2%	4,233	4,003	-230	-5.4%
23.5%	4,231	3,998	-233	-5.5%
24.7%	4,198	3,984	-214	-5.1%
25.9%	4,188	3,981	-207	-4.9%
27.2%	4,062	3,969	-93	-2.3%
28.4%	3,981	3,953	-29	-0.7%
29.6%	3,926	3,908	-19	-0.5%
30.9%	3,912	3,877	-36	-0.9%
32.1%	3,878	3,833	-45	-1.1%
33.3%	3,651	3,766	114	3.1%
34.6%	3,556	3,743	187	5.3%
35.8%	3,296	3,714	418	12.7%
37.0%	3,013	3,600	587	19.5%
38.3%	2,988	3,416	428	14.3%
39.5%	2,949	3,364	415	14.1%
40.7%	2,832	3,182	350	12.4%
42.0%	2,802	3,146	344	12.3%
43.2%	2,800	2,699	-101	-3.6%
44.4%	2,642	2,670	29	1.1%
45.7%	2,571	2,656	85	3.3%
46.9%	2,563	2,647	83	3.3%
48.1%	2,507	2,641	133	5.3%
49.4%	2,322	2,630	308	13.3%
50.6%	2,249	2,511	262	11.7%
51.9%	2,240	2,470	230	10.3%
53.1%	2,087	2,338	251	12.0%
54.3%	2,063	2,220	157	7.6%
55.6%	2,032	2,150	118	5.8%
56.8%	2,026	2,138	112	5.5%
58.0%	2,025	2,083	58	2.8%
59.3%	1,992	1,982	-9	-0.5%
60.5%	1,982	1,973	-9	-0.5%
61.7%	1,950	1,957	7	0.4%
63.0%	1,882	1,842	-40	-2.1%
64.2%	1,881	1,650	-231	-12.3%
65.4%	1,804	1,650	-154	-8.5%
66.7%	1,801	1,650	-151	-8.4%
67.9%	1,750	1,650	-100	-5.7%
69.1%	1,648	1,541	-107	-6.5%
70.4%	1,534	1,533	-1	-0.1%
71.6%	1,533	1,533	0	0.0%
72.8%	1,533	1,528	-5	-0.3%
74.1%	1,533	1,521	-12	-0.8%
75.3%	1,519	1,474	-45	-3.0%
76.5%	1,496	1,396	-100	-6.7%
77.8%	1,487	1,361	-126	-8.5%
79.0%	1,353	1,327	-26	-1.9%
80.2%	1,312	1,301	-11	-0.9%
81.5%	1,143	1,273	131	11.4%
82.7%	1,123	1,269	146	13.0%
84.0%	1,007	1,245	238	23.6%
85.2%	980	1,139	159	16.2%
86.4%	964	1,137	174	18.0%
87.7%	946	1,078	131	13.9%
88.9%	899	1,037	138	15.4%
90.1%	884	1,031	147	16.6%
91.4%	807	1,020	212	26.3%
92.6%	800	985	185	23.2%
93.8%	800	981	181	22.7%
95.1%	800	905	105	13.1%
96.3%	743	800	57	7.6%
97.5%	569	800	231	40.6%
98.8%	476	643	166	34.9%
100.0%	383	402	19	5.1%

Table SW-28-7a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,428	2,683	3,197	4,293	4,976	3,597	3,175	3,387	3,446	3,562	2,422	2,608
Alternative C	1,516	2,745	3,263	4,315	4,962	3,632	3,224	3,403	3,365	3,256	2,457	2,582
Difference	88	62	66	22	-14	35	49	16	-80	-306	36	-25
Percent Difference[3]	6.1%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.5%	0.5%	-2.3%	-8.6%	1.5%	-1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,549	3,837	3,536	8,529	8,989	5,930	5,094	5,875	5,677	3,800	3,186	4,214
Alternative C	1,783	3,967	3,548	8,582	8,980	5,928	5,093	5,875	5,698	3,465	3,361	3,896
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	15.2%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-8.8%	5.5%	-7.6%
Above Normal (15%)												
No Action Alternative	1,452	2,680	2,828	4,450	6,113	5,236	3,365	3,575	3,174	4,339	2,546	3,015
Alternative C	1,467	2,783	2,961	4,603	6,108	5,282	3,359	3,573	3,110	4,106	2,537	2,863
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.8%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.0%	-5.4%	-0.4%	-5.0%
Below Normal (17%)												
No Action Alternative	1,584	3,292	3,906	2,204	4,067	2,307	2,906	2,729	2,563	4,764	2,307	1,989
Alternative C	1,599	3,375	3,960	2,238	3,963	2,300	3,042	2,783	2,513	3,925	2,254	2,561
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.5%	-2.6%	-0.3%	4.7%	2.0%	-1.9%	-17.6%	-2.3%	28.8%
Dry (22%)												
No Action Alternative	1,378	1,709	3,965	1,647	1,704	1,947	1,840	1,651	2,307	3,186	2,232	1,524
Alternative C	1,483	1,682	4,116	1,526	1,735	2,028	1,834	1,676	2,170	3,073	2,064	1,558
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	7.6%	-1.6%	3.8%	-7.3%	1.8%	4.2%	-0.3%	1.5%	-5.9%	-3.5%	-7.5%	2.2%
Critical (15%)												
No Action Alternative	1,034	933	852	1,363	1,111	882	1,145	1,178	1,621	1,433	1,059	1,067
Alternative C	935	918	854	1,385	1,117	966	1,335	1,189	1,353	1,448	1,246	1,017
Difference	-99	-15	2	22	6	84	191	12	-267	15	187	-50
Percent Difference	-9.6%	-1.6%	0.2%	1.6%	0.6%	9.5%	16.7%	1.0%	-16.5%	1.1%	17.7%	-4.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-28-7b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

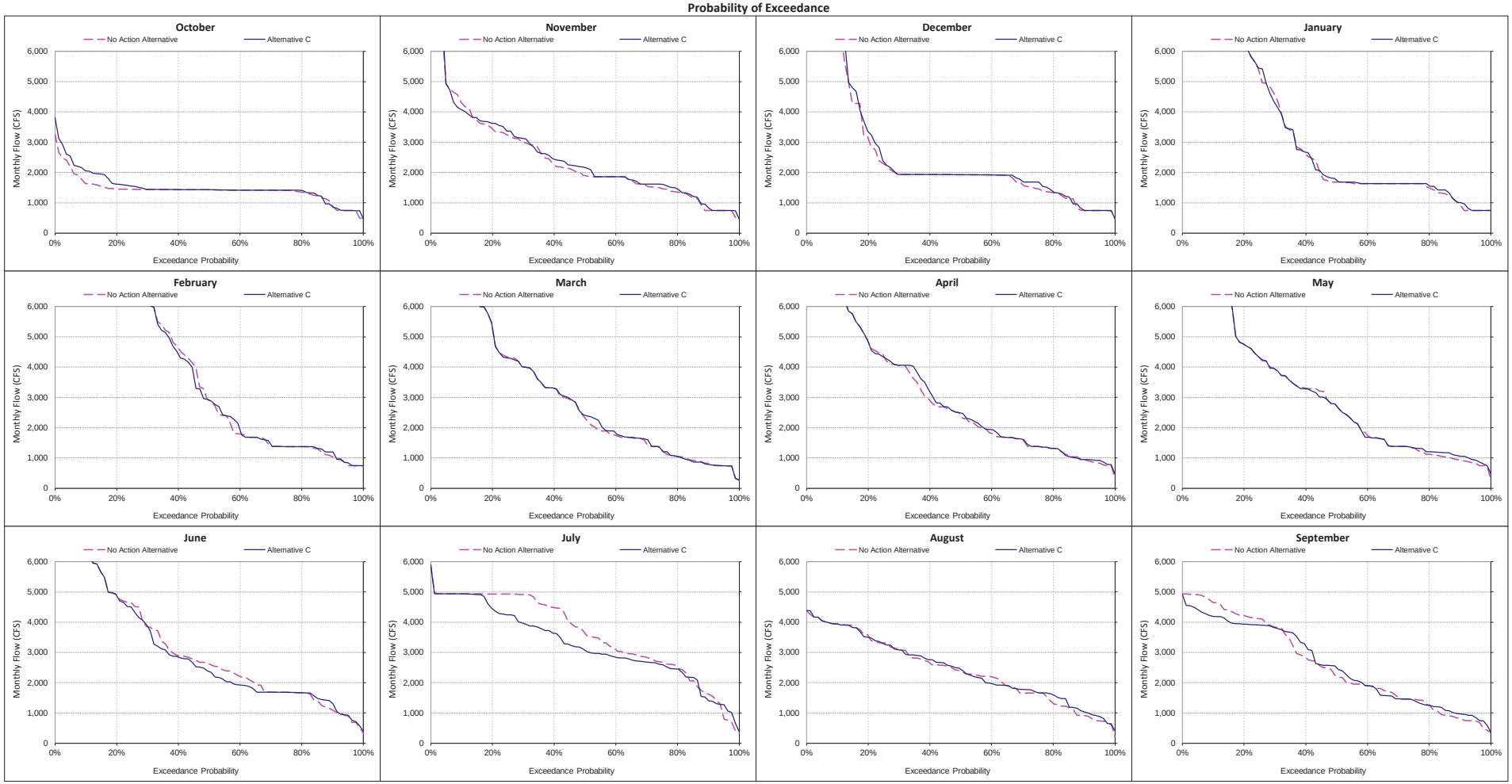

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	3,816	544	16.6%
1.2%	2,666	3,122	456	17.1%
2.5%	2,480	2,923	442	17.8%
3.7%	2,414	2,609	195	8.1%
4.9%	2,202	2,544	342	15.5%
6.2%	1,948	2,234	286	14.7%
7.4%	1,917	2,203	287	15.0%
8.6%	1,776	2,162	386	21.7%
9.9%	1,629	2,052	423	26.0%
11.1%	1,623	2,040	417	25.7%
12.3%	1,617	1,976	359	22.2%
13.6%	1,589	1,959	370	23.3%
14.8%	1,549	1,948	399	25.8%
16.0%	1,518	1,930	412	27.2%
17.3%	1,477	1,798	321	21.7%
18.5%	1,476	1,644	168	11.4%
19.8%	1,452	1,615	163	11.2%
21.0%	1,450	1,609	159	11.0%
22.2%	1,448	1,589	140	9.7%
23.5%	1,447	1,575	128	8.8%
24.7%	1,446	1,551	105	7.2%
25.9%	1,439	1,539	100	7.0%
27.2%	1,439	1,511	72	5.0%
28.4%	1,439	1,487	48	3.3%
29.6%	1,439	1,442	3	0.2%
30.9%	1,438	1,441	3	0.2%
32.1%	1,437	1,441	4	0.3%
33.3%	1,437	1,440	4	0.2%
34.6%	1,436	1,440	4	0.2%
35.8%	1,436	1,439	3	0.2%
37.0%	1,436	1,439	3	0.2%
38.3%	1,435	1,439	4	0.3%
39.5%	1,435	1,436	2	0.1%
40.7%	1,434	1,435	1	0.1%
42.0%	1,433	1,435	2	0.2%
43.2%	1,433	1,434	1	0.1%
44.4%	1,432	1,434	2	0.1%
45.7%	1,430	1,434	4	0.3%
46.9%	1,429	1,432	3	0.2%
48.1%	1,428	1,431	2	0.2%
49.4%	1,428	1,429	1	0.1%
50.6%	1,428	1,429	1	0.1%
51.9%	1,427	1,429	2	0.2%
53.1%	1,426	1,425	-1	-0.1%
54.3%	1,424	1,423	-1	0.0%
55.6%	1,421	1,421	0	0.0%
56.8%	1,419	1,420	1	0.1%
58.0%	1,418	1,420	1	0.1%
59.3%	1,417	1,419	2	0.1%
60.5%	1,416	1,419	3	0.2%
61.7%	1,416	1,418	3	0.2%
63.0%	1,416	1,418	2	0.2%
64.2%	1,416	1,418	2	0.1%
65.4%	1,415	1,417	2	0.2%
66.7%	1,415	1,417	3	0.2%
67.9%	1,415	1,417	2	0.2%
69.1%	1,414	1,417	3	0.2%
70.4%	1,412	1,417	5	0.3%
71.6%	1,410	1,416	6	0.4%
72.8%	1,409	1,415	6	0.4%
74.1%	1,409	1,415	6	0.4%
75.3%	1,409	1,415	6	0.4%
76.5%	1,409	1,414	6	0.4%
77.8%	1,385	1,412	27	2.0%
79.0%	1,364	1,412	48	3.6%
80.2%	1,350	1,409	59	4.4%
81.5%	1,332	1,337	5	0.4%
82.7%	1,285	1,328	43	3.3%
84.0%	1,244	1,326	82	6.6%
85.2%	1,227	1,238	11	0.9%
86.4%	1,153	1,212	59	5.1%
87.7%	1,138	965	-173	-15.2%
88.9%	1,064	964	-100	-9.4%
90.1%	872	859	-13	-1.5%
91.4%	749	819	70	9.3%
92.6%	748	751	3	0.4%
93.8%	748	748	0	0.0%
95.1%	745	746	1	0.2%
96.3%	745	745	0	0.0%
97.5%	739	741	2	0.2%
98.8%	492	739	247	50.3%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	17,191	0	0.0%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,262	530	7.9%
4.9%	4,937	4,933	-5	-0.1%
6.2%	4,759	4,721	-38	-0.8%
7.4%	4,652	4,325	-327	-7.0%
8.6%	4,571	4,153	-418	-9.2%
9.9%	4,317	4,078	-240	-5.5%
11.1%	4,169	4,013	-156	-3.7%
12.3%	4,139	3,909	-231	-5.6%
13.6%	3,824	3,824	0	0.0%
14.8%	3,724	3,812	88	2.4%
16.0%	3,618	3,701	84	2.3%
17.3%	3,605	3,688	83	2.3%
18.5%	3,558	3,677	118	3.3%
19.8%	3,470	3,625	156	4.5%
21.0%	3,344	3,618	274	8.2%
22.2%	3,344	3,552	208	6.2%
23.5%	3,315	3,522	207	6.2%
24.7%	3,241	3,366	124	3.8%
25.9%	3,187	3,365	177	5.6%
27.2%	3,123	3,182	59	1.9%
28.4%	3,114	3,146	32	1.0%
29.6%	2,995	3,131	136	4.5%
30.9%	2,982	3,109	127	4.2%
32.1%	2,913	2,949	35	1.2%
33.3%	2,911	2,841	-70	-2.4%
34.6%	2,846	2,671	-175	-6.1%
35.8%	2,622	2,635	12	0.5%
37.0%	2,480	2,622	142	5.7%
38.3%	2,457	2,563	106	4.3%
39.5%	2,301	2,454	153	6.7%
40.7%	2,198	2,409	211	9.6%
42.0%	2,183	2,399	216	9.9%
43.2%	2,153	2,368	215	10.0%
44.4%	2,144	2,254	111	5.2%
45.7%	2,100	2,238	138	6.6%
46.9%	2,037	2,222	185	9.1%
48.1%	2,036	2,193	157	7.7%
49.4%	1,906	2,181	275	14.4%
50.6%	1,882	2,144	262	13.9%
51.9%	1,862	2,083	220	11.8%
53.1%	1,862	1,862	0	0.0%
54.3%	1,862	1,862	0	0.0%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,860	-2	-0.1%
59.3%	1,862	1,857	-5	-0.3%
60.5%	1,862	1,857	-6	-0.3%
61.7%	1,861	1,856	-5	-0.3%
63.0%	1,855	1,855	0	0.0%
64.2%	1,752	1,770	18	1.0%
65.4%	1,708	1,752	44	2.6%
66.7%	1,621	1,708	87	5.4%
67.9%	1,621	1,621	0	0.0%
69.1%	1,621	1,621	0	0.0%
70.4%	1,534	1,621	87	5.7%
71.6%	1,526	1,621	94	6.2%
72.8%	1,507	1,621	113	7.5%
74.1%	1,498	1,621	122	8.2%
75.3%	1,460	1,607	147	10.0%
76.5%	1,448	1,562	114	7.8%
77.8%	1,380	1,512	132	9.5%
79.0%	1,366	1,497	130	9.5%
80.2%	1,347	1,441	94	7.0%
81.5%	1,326	1,335	9	0.7%
82.7%	1,310	1,320	11	0.8%
84.0%	1,225	1,284	59	4.8%
85.2%	1,145	1,210	65	5.7%
86.4%	1,136	1,185	49	4.3%
87.7%	924	962	37	4.0%
88.9%	747	959	212	28.4%
90.1%	747	821	75	10.0%
91.4%	747	747	0	0.0%
92.6%	746	747	0	0.0%
93.8%	746	747	0	0.0%
95.1%	746	746	0	0.0%
96.3%	744	746	3	0.3%
97.5%	741	744	4	0.5%
98.8%	519	739	220	42.3%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	19,961	217	1.1%
1.2%	16,495	16,495	0	0.0%
2.5%	15,763	16,103	340	2.2%
3.7%	15,639	15,639	0	0.0%
4.9%	13,766	13,766	0	0.0%
6.2%	12,796	12,562	-234	-1.8%
7.4%	8,951	9,075	124	1.4%
8.6%	8,725	8,711	-13	-0.2%
9.9%	7,121	7,116	-5	-0.1%
11.1%	6,581	6,581	0	0.0%
12.3%	5,653	6,310	657	11.6%
13.6%	5,003	4,973	-30	-0.6%
14.8%	4,295	4,803	508	11.8%
16.0%	4,278	4,674	396	9.3%
17.3%	4,278	4,055	-223	-5.2%
18.5%	3,241	3,693	452	14.0%
19.8%	3,201	3,367	165	5.2%
21.0%	2,827	3,230	403	14.3%
22.2%	2,764	2,963	199	7.2%
23.5%	2,392	2,827	435	18.2%
24.7%	2,307	2,386	79	3.4%
25.9%	2,225	2,240	15	0.7%
27.2%	2,092	2,158	67	3.2%
28.4%	2,011	2,036	25	1.2%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
32.1%	1,936	1,936	0	0.0%
33.3%	1,936	1,936	0	0.0%
34.6%	1,936	1,936	0	0.0%
35.8%	1,936	1,936	0	0.0%
37.0%	1,936	1,936	0	0.0%
38.3%	1,936	1,936	0	0.0%
39.5%	1,935	1,936	0	0.0%
40.7%	1,934	1,933	-1	0.0%
42.0%	1,934	1,933	-1	-0.1%
43.2%	1,933	1,931	-3	-0.1%
44.4%	1,933	1,931	-2	-0.1%
45.7%	1,933	1,930	-3	-0.1%
46.9%	1,933	1,929	-3	-0.2%
48.1%	1,930	1,929	-2	-0.1%
49.4%	1,926	1,928	2	0.1%
50.6%	1,926	1,927	1	0.0%
51.9%	1,926	1,926	0	0.0%
53.1%	1,925	1,925	0	0.0%
54.3%	1,924	1,924	0	0.0%
55.6%	1,923	1,924	1	0.0%
56.8%	1,923	1,922	0	0.0%
58.0%	1,923	1,921	-2	-0.1%
59.3%	1,923	1,921	-2	-0.1%
60.5%	1,921	1,920	-1	-0.1%
61.7%	1,921	1,920	-1	-0.1%
63.0%	1,914	1,919	5	0.3%
64.2%	1,911	1,918	7	0.4%
65.4%	1,909	1,914	5	0.3%
66.7%	1,823	1,910	88	4.8%
67.9%	1,688	1,823	135	8.0%
69.1%	1,682	1,777	95	5.7%
70.4%	1,570	1,688	118	7.5%
71.6%	1,534	1,688	154	10.0%
72.8%	1,522	1,688	166	10.9%
74.1%	1,471	1,688	217	14.8%
75.3%	1,454	1,688	233	16.0%
76.5%	1,382	1,540	158	11.4%
77.8%	1,368	1,520	152	11.1%
79.0%	1,349	1,445	95	7.1%
80.2%	1,328	1,337	9	0.7%
81.5%	1,312	1,322	11	0.8%
82.7%	1,227	1,293	66	5.3%
84.0%	1,147	1,212	65	5.6%
85.2%	1,138	1,190	52	4.6%
86.4%	1,133	964	-169	-14.9%
87.7%	820	961	141	17.2%
88.9%	754	823	69	9.2%
90.1%	748	748	0	0.0%
91.4%	748	748	0	0.0%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	745	738	-6	-0.9%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	31,176	2	0.0%
1.2%	20,281	20,282	0	0.0%
2.5%	17,613	17,598	-16	-0.1%
3.7%	15,473	15,705	232	1.5%
4.9%	14,628	15,470	842	5.8%
6.2%	12,792	12,790	-2	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,705	-1	0.0%
9.9%	10,365	10,481	116	1.1%
11.1%	9,912	9,912	0	0.0%
12.3%	9,211	9,199	-11	-0.1%
13.6%	9,053	9,055	2	0.0%
14.8%	8,828	8,825	-3	0.0%
16.0%	7,720	7,715	-5	-0.1%
17.3%	7,426	7,301	-125	-1.7%
18.5%	6,704	6,472	-233	-3.5%
19.8%	6,647	6,403	-244	-3.7%
21.0%	6,076	6,076	0	0.0%
22.2%	5,822	5,835	13	0.2%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,446	32	0.6%
25.9%	4,961	5,417	456	9.2%
27.2%	4,950	4,943	-7	-0.1%
28.4%	4,820	4,604	-215	-4.5%
29.6%	4,616	4,351	-265	-5.8%
30.9%	4,357	4,149	-207	-4.8%
32.1%	3,940	3,930	-10	-0.3%
33.3%	3,524	3,479	-45	-1.3%
34.6%	3,405	3,446	41	1.2%
35.8%	3,392	3,414	22	0.6%
37.0%	2,831	2,755	-76	-2.7%
38.3%	2,788	2,745	-43	-1.5%
39.5%	2,658	2,679	21	0.8%
40.7%	2,525	2,658	133	5.3%
42.0%	2,473	2,441	-32	-1.3%
43.2%	2,376	2,083	-293	-12.3%
44.4%	2,034	2,073	39	1.9%
45.7%	1,766	1,931	165	9.3%
46.9%	1,734	1,863	129	7.4%
48.1%	1,685	1,815	130	7.7%
49.4%	1,685	1,797	112	6.7%
50.6%	1,685	1,693	8	0.5%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,685	22	1.3%
54.3%	1,663	1,685	22	1.3%
55.6%	1,635	1,680	45	2.8%
56.8%	1,635	1,662	27	1.7%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,635	96	6.2%
80.2%	1,471	1,540	70	4.7%
81.5%	1,425	1,539	115	8.0%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,425	99	7.5%
85.2%	1,295	1,425	130	10.0%
86.4%	1,227	1,322	95	7.8%
87.7%	1,154	1,127	-27	-2.3%
88.9%	1,034	1,021	-13	-1.3%
90.1%	920	1,003	83	9.0%
91.4%	748	961	212	28.4%
92.6%	748	811	62	8.3%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	748	748	0	0.0%
100.0%	747	748	1	0.2%

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,089	-14	0.0%
1.2%	15,585	15,580	-5	0.0%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,368	7	0.1%
4.9%	13,346	13,347	2	0.0%
6.2%	12,991	12,975	-16	-0.1%
7.4%	12,404	12,343	-61	-0.5%
8.6%	12,260	12,261	1	0.0%
9.9%	11,338	11,326	-11	-0.1%
11.1%	11,083	11,077	-6	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,438	7	0.1%
14.8%	9,957	9,954	-3	0.0%
16.0%	9,808	9,808	0	0.0%
17.3%	9,611	9,611	0	0.0%
18.5%	9,342	9,343	0	0.0%
19.8%	9,113	9,101	-12	-0.1%
21.0%	7,917	7,917	0	0.0%
22.2%	7,829	7,824	-5	-0.1%
23.5%	7,702	7,654	-48	-0.6%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,978	-3	0.0%
27.2%	6,760	6,520	-241	-3.6%
28.4%	6,176	6,176	0	0.0%
29.6%	6,053	6,053	0	0.0%
30.9%	6,040	6,028	-12	-0.2%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,410	-84	-1.5%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,140	-80	-1.5%
37.0%	5,139	4,968	-172	-3.3%
38.3%	4,823	4,689	-134	-2.8%
39.5%	4,690	4,522	-168	-3.6%
40.7%	4,523	4,300	-224	-4.9%
42.0%	4,402	4,263	-140	-3.2%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,994	-157	-3.8%
45.7%	3,994	3,296	-698	-17.5%
46.9%	3,354	3,284	-69	-2.1%
48.1%	3,292	2,953	-339	-10.3%
49.4%	2,939	2,943	4	0.1%
50.6%	2,858	2,883	25	0.9%
51.9%	2,732	2,768	36	1.3%
53.1%	2,447	2,696	250	10.2%
54.3%	2,402	2,427	25	1.0%
55.6%	2,398	2,386	-12	-0.5%
56.8%	2,142	2,367	225	10.5%
58.0%	1,806	2,270	464	25.7%
59.3%	1,800	2,144	345	19.1%
60.5%	1,795	1,761	-34	-1.9%
61.7%	1,753	1,683	-70	-4.0%
63.0%	1,683	1,680	-2	-0.1%
64.2%	1,680	1,680	0	0.0%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,626	-55	-3.3%
67.9%	1,626	1,598	-29	-1.8%
69.1%	1,466	1,577	111	7.6%
70.4%	1,378	1,378	0	0.0%
71.6%	1,378	1,378	0	0.0%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,376	0	0.0%
75.3%	1,376	1,376	0	0.0%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,358	1,376	18	1.4%
84.0%	1,322	1,365	43	3.3%
85.2%	1,295	1,316	21	1.6%
86.4%	1,197	1,295	97	8.1%
87.7%	1,113	1,200	87	7.8%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	1,197	165	16.0%
91.4%	978	957	-21	-2.1%
92.6%	968	947	-20	-2.1%
93.8%	866	855	-11	-1.3%
95.1%	745	839	95	12.7%
96.3%	743	745	2	0.3%
97.5%	743	743	0	0.0%
98.8%	743	743	0	0.0%
100.0%	730	743	13	1.8%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,489	0	0.0%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,444	561	4.7%
3.7%	11,721	11,882	161	1.4%
4.9%	11,644	11,644	0	0.0%
6.2%	10,839	10,839	0	0.0%
7.4%	10,431	10,433	2	0.0%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,353	605	7.8%
11.1%	7,493	7,493	0	0.0%
12.3%	7,142	7,142	0	0.0%
13.6%	6,485	6,485	0	0.0%
14.8%	6,223	6,223	0	0.0%
16.0%	5,997	5,998	1	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,464	-3	-0.1%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,486	1	0.0%
23.5%	4,395	4,329	-66	-1.5%
24.7%	4,335	4,302	-33	-0.8%
25.9%	4,302	4,290	-12	-0.3%
27.2%	4,296	4,236	-60	-1.4%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,995	-4	-0.1%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,847	-22	-0.6%
34.6%	3,607	3,607	0	0.0%
35.8%	3,487	3,488	0	0.0%
37.0%	3,326	3,327	1	0.0%
38.3%	3,320	3,320	0	0.0%
39.5%	3,314	3,314	0	0.0%
40.7%	3,273	3,272	-1	0.0%
42.0%	3,023	3,088	65	2.2%
43.2%	3,006	3,038	32	1.1%
44.4%	2,964	3,002	38	1.3%
45.7%	2,909	2,919	10	0.3%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,559	1	0.0%
49.4%	2,399	2,433	33	1.4%
50.6%	2,243	2,387	144	6.4%
51.9%	2,094	2,362	268	12.8%
53.1%	2,028	2,302	274	13.5%
54.3%	1,905	2,243	338	17.8%
55.6%	1,894	2,012	118	6.2%
56.8%	1,889	1,900	11	0.6%
58.0%	1,794	1,895	101	5.6%
59.3%	1,771	1,889	119	6.7%
60.5%	1,721	1,771	50	2.9%
61.7%	1,683	1,734	51	3.0%
63.0%	1,682	1,692	10	0.6%
64.2%	1,681	1,683	2	0.1%
65.4%	1,657	1,681	24	1.5%
66.7%	1,648	1,657	9	0.6%
67.9%	1,638	1,648	10	0.6%
69.1%	1,602	1,638	35	2.2%
70.4%	1,397	1,603	206	14.7%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,354	-27	-1.9%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,206	85	7.6%
77.8%	1,083	1,077	-5	-0.5%
79.0%	1,063	1,071	8	0.8%
80.2%	1,039	1,050	11	1.1%
81.5%	1,038	999	-39	-3.8%
82.7%	976	953	-23	-2.3%
84.0%	940	921	-19	-2.1%
85.2%	918	866	-52	-5.7%
86.4%	898	864	-34	-3.8%
87.7%	875	864	-11	-1.3%
88.9%	832	804	-28	-3.3%
90.1%	820	791	-29	-3.5%
91.4%	777	758	-19	-2.4%
92.6%	748	756	8	1.0%
93.8%	748	748	0	0.0%
95.1%	740	746	7	0.9%
96.3%	740	740	0	0.0%
97.5%	737	737	0	0.0%
98.8%	328	328	0	0.0%
100.0%	265	265	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,286	0	0.0%
1.2%	10,078	10,078	0	0.0%
2.5%	8,359	8,359	0	0.0%
3.7%	7,564	7,564	0	0.0%
4.9%	7,437	7,437	0	0.0%
6.2%	6,784	6,784	0	0.0%
7.4%	6,675	6,678	4	0.1%
8.6%	6,497	6,497	0	0.0%
9.9%	6,490	6,490	0	0.0%
11.1%	6,245	6,245	0	0.0%
12.3%	6,197	6,197	0	0.0%
13.6%	5,846	5,846	0	0.0%
14.8%	5,765	5,765	0	0.0%
16.0%	5,490	5,490	0	0.0%
17.3%	5,335	5,335	0	0.0%
18.5%	5,115	5,115	0	0.0%
19.8%	4,892	4,891	-1	0.0%
21.0%	4,615	4,551	-64	-1.4%
22.2%	4,551	4,451	-100	-2.2%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,340	-91	-2.1%
25.9%	4,192	4,274	81	1.9%
27.2%	4,094	4,192	99	2.4%
28.4%	4,092	4,086	-6	-0.2%
29.6%	4,064	4,064	0	0.0%
30.9%	4,063	4,063	0	0.0%
32.1%	4,028	4,062	34	0.8%
33.3%	3,825	4,059	234	6.1%
34.6%	3,635	4,028	393	10.8%
35.8%	3,502	3,825	323	9.2%
37.0%	3,256	3,612	356	10.9%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,049	238	8.5%
42.0%	2,699	2,826	127	4.7%
43.2%	2,692	2,811	119	4.4%
44.4%	2,686	2,699	13	0.5%
45.7%	2,633	2,692	59	2.3%
46.9%	2,581	2,581	0	0.0%
48.1%	2,522	2,519	-3	-0.1%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,469	154	6.6%
51.9%	2,292	2,310	18	0.8%
53.1%	2,156	2,275	120	5.5%
54.3%	2,142	2,213	71	3.3%
55.6%	2,032	2,156	123	6.1%
56.8%	1,991	2,032	42	2.1%
58.0%	1,955	1,951	-4	-0.2%
59.3%	1,836	1,947	112	6.1%
60.5%	1,796	1,924	127	7.1%
61.7%	1,696	1,836	139	8.2%
63.0%	1,691	1,703	11	0.7%
64.2%	1,685	1,685	0	0.0%
65.4%	1,679	1,679	0	0.0%
66.7%	1,675	1,675	0	0.0%
67.9%	1,640	1,635	-4	-0.3%
69.1%	1,635	1,633	-3	-0.2%
70.4%	1,569	1,610	41	2.6%
71.6%	1,383	1,453	71	5.1%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,383	0	0.0%
75.3%	1,379	1,374	-5	-0.3%
76.5%	1,359	1,359	0	0.0%
77.8%	1,355	1,357	1	0.1%
79.0%	1,323	1,319	-4	-0.3%
80.2%	1,319	1,317	-2	-0.2%
81.5%	1,264	1,309	44	3.5%
82.7%	1,204	1,204	0	0.0%
84.0%	1,119	1,078	-41	-3.7%
85.2%	1,083	1,050	-33	-3.1%
86.4%	1,039	1,012	-27	-2.6%
87.7%	1,034	1,000	-34	-3.3%
88.9%	974	946	-28	-2.8%
90.1%	943	946	2	0.3%
91.4%	902	945	44	4.8%
92.6%	873	935	62	7.1%
93.8%	839	924	85	10.1%
95.1%	829	920	91	11.0%
96.3%	768	862	94	12.2%
97.5%	747	789	43	5.7%
98.8%	743	780	37	5.0%
100.0%	315	470	156	49.4%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,012	-30	-0.6%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,210	-33	-0.8%
27.2%	4,202	4,204	2	0.0%
28.4%	4,002	3,966	-36	-0.9%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,867	16	0.4%
32.1%	3,723	3,723	0	0.0%
33.3%	3,712	3,712	0	0.0%
34.6%	3,581	3,581	0	0.0%
35.8%	3,466	3,466	0	0.0%
37.0%	3,378	3,378	0	0.0%
38.3%	3,353	3,295	-58	-1.7%
39.5%	3,315	3,287	-28	-0.8%
40.7%	3,295	3,276	-19	-0.6%
42.0%	3,287	3,205	-82	-2.5%
43.2%	3,279	3,160	-118	-3.6%
44.4%	3,205	3,019	-186	-5.8%
45.7%	3,201	3,006	-196	-6.1%
46.9%	2,923	2,936	12	0.4%
48.1%	2,795	2,795	0	0.0%
49.4%	2,793	2,791	-1	-0.1%
50.6%	2,637	2,637	0	0.0%
51.9%	2,507	2,507	0	0.0%
53.1%	2,437	2,434	-3	-0.1%
54.3%	2,331	2,331	0	0.0%
55.6%	2,196	2,195	-1	-0.1%
56.8%	2,129	2,129	0	0.0%
58.0%	1,900	1,900	0	0.0%
59.3%	1,837	1,687	-150	-8.2%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,663	-24	-1.4%
63.0%	1,663	1,659	-3	-0.2%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,417	20	1.4%
67.9%	1,385	1,385	0	0.0%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,377	-7	-0.5%
74.1%	1,328	1,354	26	2.0%
75.3%	1,326	1,322	-4	-0.3%
76.5%	1,227	1,316	89	7.2%
77.8%	1,223	1,306	83	6.8%
79.0%	1,122	1,206	83	7.4%
80.2%	1,121	1,205	84	7.5%
81.5%	1,089	1,202	113	10.4%
82.7%	1,085	1,189	104	9.6%
84.0%	1,052	1,185	133	12.7%
85.2%	1,041	1,177	136	13.1%
86.4%	1,031	1,170	140	13.5%
87.7%	976	1,105	130	13.3%
88.9%	945	1,080	135	14.3%
90.1%	935	1,053	117	12.5%
91.4%	903	1,052	149	16.5%
92.6%	875	1,002	127	14.5%
93.8%	841	949	108	12.9%
95.1%	830	926	96	11.5%
96.3%	748	864	115	15.4%
97.5%	748	806	58	7.8%
98.8%	741	748	7	0.9%
100.0%	266	467	201	75.4%

Table SW-28-7b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	0	0.0%
2.5%	10,101	10,101	0	0.0%
3.7%	10,061	10,061	0	0.0%
4.9%	9,970	9,970	0	0.0%
6.2%	8,928	8,928	0	0.0%
7.4%	8,446	8,446	0	0.0%
8.6%	7,314	7,314	0	0.0%
9.9%	6,881	6,881	0	0.0%
11.1%	6,224	6,224	0	0.0%
12.3%	5,953	5,953	0	0.0%
13.6%	5,925	5,925	0	0.0%
14.8%	5,674	5,674	0	0.0%
16.0%	5,487	5,487	0	0.0%
17.3%	4,999	4,990	-9	-0.2%
18.5%	4,990	4,964	-26	-0.5%
19.8%	4,934	4,920	-14	-0.3%
21.0%	4,754	4,702	-52	-1.1%
22.2%	4,702	4,656	-46	-1.0%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,324	-193	-4.3%
27.2%	4,503	4,157	-346	-7.7%
28.4%	4,048	4,067	19	0.5%
29.6%	3,869	3,926	57	1.5%
30.9%	3,828	3,724	-105	-2.7%
32.1%	3,740	3,283	-457	-12.2%
33.3%	3,724	3,203	-521	-14.0%
34.6%	3,373	3,123	-251	-7.4%
35.8%	3,284	3,089	-194	-5.9%
37.0%	3,082	2,924	-158	-5.1%
38.3%	2,985	2,879	-106	-3.6%
39.5%	2,912	2,872	-40	-1.4%
40.7%	2,879	2,815	-64	-2.2%
42.0%	2,872	2,794	-78	-2.7%
43.2%	2,844	2,789	-55	-1.9%
44.4%	2,789	2,675	-114	-4.1%
45.7%	2,748	2,529	-219	-8.0%
46.9%	2,677	2,520	-157	-5.9%
48.1%	2,676	2,484	-192	-7.2%
49.4%	2,658	2,388	-270	-10.2%
50.6%	2,587	2,343	-243	-9.4%
51.9%	2,542	2,188	-354	-13.9%
53.1%	2,530	2,170	-360	-14.2%
54.3%	2,428	2,127	-301	-12.4%
55.6%	2,393	2,035	-358	-15.0%
56.8%	2,392	2,028	-363	-15.2%
58.0%	2,312	1,957	-355	-15.3%
59.3%	2,242	1,927	-315	-14.1%
60.5%	2,191	1,922	-269	-12.3%
61.7%	2,176	1,901	-275	-12.7%
63.0%	2,099	1,872	-228	-10.8%
64.2%	2,028	1,806	-223	-11.0%
65.4%	1,927	1,690	-238	-12.3%
66.7%	1,916	1,688	-228	-11.9%
67.9%	1,693	1,688	-5	-0.3%
69.1%	1,692	1,688	-4	-0.3%
70.4%	1,688	1,686	-2	-0.1%
71.6%	1,686	1,685	0	0.0%
72.8%	1,685	1,685	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,683	0	0.0%
76.5%	1,675	1,681	6	0.4%
77.8%	1,671	1,675	4	0.2%
79.0%	1,670	1,671	1	0.0%
80.2%	1,670	1,670	0	0.0%
81.5%	1,666	1,664	-2	-0.1%
82.7%	1,614	1,664	50	3.1%
84.0%	1,427	1,559	132	9.3%
85.2%	1,391	1,481	90	6.5%
86.4%	1,251	1,444	194	15.5%
87.7%	1,202	1,425	224	18.6%
88.9%	1,155	1,411	255	22.1%
90.1%	1,092	1,302	210	19.2%
91.4%	1,017	1,053	36	3.6%
92.6%	1,006	959	-47	-4.7%
93.8%	922	940	17	1.9%
95.1%	905	924	19	2.1%
96.3%	690	758	68	9.9%
97.5%	685	716	31	4.5%
98.8%	523	573	51	9.7%
100.0%	323	395	72	22.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,938	-34	-0.7%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-4	-0.1%
4.9%	4,941	4,937	-4	-0.1%
6.2%	4,937	4,937	0	0.0%
7.4%	4,937	4,937	0	0.0%
8.6%	4,937	4,937	0	0.0%
9.9%	4,937	4,936	-1	0.0%
11.1%	4,937	4,935	-2	0.0%
12.3%	4,937	4,935	-2	0.0%
13.6%	4,937	4,930	-7	-0.1%
14.8%	4,935	4,917	-18	-0.4%
16.0%	4,935	4,912	-23	-0.5%
17.3%	4,934	4,857	-77	-1.6%
18.5%	4,933	4,615	-319	-6.5%
19.8%	4,933	4,459	-474	-9.6%
21.0%	4,931	4,359	-572	-11.6%
22.2%	4,931	4,286	-645	-13.1%
23.5%	4,930	4,272	-657	-13.3%
24.7%	4,930	4,247	-683	-13.9%
25.9%	4,929	4,244	-685	-13.9%
27.2%	4,928	4,222	-706	-14.3%
28.4%	4,923	4,019	-904	-18.4%
29.6%	4,916	3,977	-939	-19.1%
30.9%	4,912	3,937	-976	-19.9%
32.1%	4,908	3,877	-1,031	-21.0%
33.3%	4,838	3,876	-962	-19.9%
34.6%	4,647	3,842	-805	-17.3%
35.8%	4,595	3,782	-813	-17.7%
37.0%	4,582	3,726	-856	-18.7%
38.3%	4,508	3,722	-786	-17.4%
39.5%	4,497	3,644	-853	-19.0%
40.7%	4,466	3,620	-847	-19.0%
42.0%	4,459	3,486	-973	-21.8%
43.2%	4,322	3,286	-1,037	-24.0%
44.4%	4,049	3,278	-770	-19.0%
45.7%	3,937	3,223	-713	-18.1%
46.9%	3,849	3,185	-664	-17.2%
48.1%	3,830	3,183	-647	-16.9%
49.4%	3,722	3,114	-607	-16.3%
50.6%	3,554	3,030	-524	-14.7%
51.9%	3,527	2,989	-538	-15.3%
53.1%	3,498	2,973	-524	-15.0%
54.3%	3,480	2,972	-508	-14.6%
55.6%	3,330	2,945	-385	-11.6%
56.8%	3,309	2,943	-366	-11.1%
58.0%	3,205	2,892	-314	-9.8%
59.3%	3,158	2,859	-299	-9.5%
60.5%	3,047	2,831	-216	-7.1%
61.7%	3,025	2,820	-205	-6.8%
63.0%	2,973	2,818	-155	-5.2%
64.2%	2,963	2,789	-173	-5.9%
65.4%	2,948	2,743	-205	-6.9%
66.7%	2,919	2,716	-203	-7.0%
67.9%	2,878	2,712	-166	-5.8%
69.1%	2,859	2,691	-167	-5.9%
70.4%	2,822	2,677	-146	-5.2%
71.6%	2,795	2,669	-126	-4.5%
72.8%	2,712	2,662	-50	-1.8%
74.1%	2,691	2,612	-79	-3.0%
75.3%	2,675	2,593	-82	-3.1%
76.5%	2,612	2,516	-96	-3.7%
77.8%	2,610	2,467	-142	-5.5%
79.0%	2,593	2,461	-132	-5.1%
80.2%	2,461	2,452	-9	-0.4%
81.5%	2,435	2,342	-93	-3.8%
82.7%	2,320	2,186	-134	-5.8%
84.0%	2,063	2,183	120	5.8%
85.2%	2,059	2,174	115	5.6%
86.4%	1,858	2,086	228	12.3%
87.7%	1,755	1,546	-210	-11.9%
88.9%	1,648	1,527	-121	-7.4%
90.1%	1,621	1,404	-217	-13.4%
91.4%	1,550	1,389	-161	-10.4%
92.6%	1,400	1,306	-94	-6.7%
93.8%	1,302	1,281	-21	-1.6%
95.1%	799	1,280	481	60.2%
96.3%	761	1,066	305	40.1%
97.5%	694	1,015	321	46.2%
98.8%	405	659	254	62.8%
100.0%	321	383	62	19.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,386	11	0.3%
1.2%	4,262	4,375	112	2.6%
2.5%	4,168	4,171	3	0.1%
3.7%	4,166	4,168	3	0.1%
4.9%	4,049	4,049	0	0.0%
6.2%	4,010	4,010	0	0.0%
7.4%	3,975	3,980	4	0.1%
8.6%	3,946	3,946	0	0.0%
9.9%	3,945	3,940	-5	-0.1%
11.1%	3,940	3,909	-31	-0.8%
12.3%	3,909	3,906	-3	-0.1%
13.6%	3,906	3,900	-6	-0.1%
14.8%	3,900	3,822	-78	-2.0%
16.0%	3,822	3,817	-5	-0.1%
17.3%	3,757	3,693	-64	-1.7%
18.5%	3,608	3,520	-88	-2.4%
19.8%	3,584	3,506	-79	-2.2%
21.0%	3,384	3,470	86	2.5%
22.2%	3,367	3,390	23	0.7%
23.5%	3,321	3,364	43	1.3%
24.7%	3,319	3,299	-20	-0.6%
25.9%	3,311	3,248	-63	-1.9%
27.2%	3,190	3,242	53	1.7%
28.4%	3,153	3,110	-44	-1.4%
29.6%	3,131	3,091	-40	-1.3%
30.9%	3,077	3,082	6	0.2%
32.1%	3,065	2,940	-125	-4.1%
33.3%	2,872	2,923	51	1.8%
34.6%	2,818	2,917	99	3.5%
35.8%	2,816	2,904	87	3.1%
37.0%	2,780	2,884	104	3.8%
38.3%	2,745	2,809	64	2.3%
39.5%	2,689	2,763	74	2.8%
40.7%	2,592	2,758	166	6.4%
42.0%	2,588	2,673	85	3.3%
43.2%	2,583	2,669	86	3.3%
44.4%	2,576	2,660	84	3.3%
45.7%	2,545	2,578	33	1.3%
46.9%	2,513	2,548	35	1.4%
48.1%	2,420	2,498	78	3.2%
49.4%	2,402	2,486	83	3.5%
50.6%	2,349	2,401	52	2.2%
51.9%	2,287	2,294	7	0.3%
53.1%	2,286	2,247	-39	-1.7%
54.3%	2,261	2,200	-61	-2.7%
55.6%	2,247	2,174	-74	-3.3%
56.8%	2,217	2,150	-66	-3.0%
58.0%	2,216	1,999	-217	-9.8%
59.3%	2,213	1,990	-223	-10.1%
60.5%	2,176	1,959	-217	-10.0%
61.7%	2,144	1,918	-226	-10.5%
63.0%	2,051	1,918	-133	-6.5%
64.2%	1,926	1,914	-12	-0.6%
65.4%	1,888	1,909	20	1.1%
66.7%	1,848	1,822	-26	-1.4%
67.9%	1,811	1,800	-11	-0.6%
69.1%	1,662	1,778	116	7.0%
70.4%	1,662	1,777	115	6.9%
71.6%	1,659	1,774	115	7.0%
72.8%	1,659	1,766	107	6.5%
74.1%	1,659	1,706	47	2.8%
75.3%	1,659	1,665	6	0.4%
76.5%	1,659	1,659	1	0.0%
77.8%	1,553	1,659	105	6.8%
79.0%	1,399	1,639	240	17.1%
80.2%	1,290	1,590	300	23.3%
81.5%	1,279	1,513	235	18.4%
82.7%	1,225	1,480	255	20.8%
84.0%	1,221	1,473	252	20.7%
85.2%	1,172	1,193	22	1.8%
86.4%	1,115	1,185	70	6.3%
87.7%	918	1,158	239	26.1%
88.9%	918	1,078	160	17.5%
90.1%	913	1,033	120	13.1%
91.4%	890	999	109	12.3%
92.6%	807	937	130	16.1%
93.8%	747	916	169	22.6%
95.1%	734	885	151	20.6%
96.3%	733	818	86	11.7%
97.5%	693	657	-36	-5.2%
98.8%	634	633	-2	-0.3%
100.0%	210	416	206	98.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,912	-23	-0.5%
1.2%	4,935	4,557	-378	-7.7%
2.5%	4,924	4,549	-375	-7.6%
3.7%	4,918	4,499	-419	-8.5%
4.9%	4,913	4,420	-492	-10.0%
6.2%	4,888	4,337	-551	-11.3%
7.4%	4,834	4,287	-547	-11.3%
8.6%	4,758	4,227	-531	-11.2%
9.9%	4,655	4,191	-463	-10.0%
11.1%	4,647	4,188	-459	-9.9%
12.3%	4,585	4,186	-399	-8.7%
13.6%	4,420	4,135	-286	-6.5%
14.8%	4,408	4,028	-380	-8.6%
16.0%	4,348	3,969	-378	-8.7%
17.3%	4,287	3,953	-334	-7.8%
18.5%	4,230	3,947	-284	-6.7%
19.8%	4,223	3,931	-293	-6.9%
21.0%	4,188	3,931	-258	-6.2%
22.2%	4,147	3,920	-228	-5.5%
23.5%	4,146	3,918	-228	-5.5%
24.7%	4,113	3,913	-200	-4.9%
25.9%	4,106	3,900	-206	-5.0%
27.2%	3,976	3,890	-86	-2.2%
28.4%	3,902	3,873	-29	-0.7%
29.6%	3,852	3,827	-25	-0.6%
30.9%	3,827	3,795	-32	-0.8%
32.1%	3,799	3,753	-46	-1.2%
33.3%	3,587	3,691	104	2.9%
34.6%	3,483	3,676	193	5.5%
35.8%	3,221	3,647	426	13.2%
37.0%	2,956	3,524	567	19.2%
38.3%	2,918	3,342	424	14.5%
39.5%	2,879	3,297	418	14.5%
40.7%	2,762	3,099	337	12.2%
42.0%	2,721	3,068	347	12.7%
43.2%	2,720	2,633	-87	-3.2%
44.4%	2,569	2,599	30	1.2%
45.7%	2,499	2,580	81	3.2%
46.9%	2,496	2,576	81	3.2%
48.1%	2,436	2,571	135	5.5%
49.4%	2,256	2,563	307	13.6%
50.6%	2,176	2,437	261	12.0%
51.9%	2,170	2,395	225	10.4%
53.1%	2,009	2,273	264	13.1%
54.3%	1,985	2,150	166	8.3%
55.6%	1,955	2,084	129	6.6%
56.8%	1,953	2,066	113	5.8%
58.0%	1,951	2,012	61	3.1%
59.3%	1,914	1,908	-7	-0.3%
60.5%	1,902	1,900	-2	-0.1%
61.7%	1,862	1,892	29	1.6%
63.0%	1,812	1,777	-35	-1.9%
64.2%	1,810	1,585	-226	-12.5%
65.4%	1,734	1,574	-160	-9.2%
66.7%	1,726	1,566	-160	-9.3%
67.9%	1,679	1,561	-119	-7.1%
69.1%	1,583	1,471	-112	-7.1%
70.4%	1,467	1,468	1	0.1%
71.6%	1,461	1,464	3	0.2%
72.8%	1,459	1,459	0	0.0%
74.1%	1,459	1,452	-7	-0.5%
75.3%	1,456	1,405	-51	-3.5%
76.5%	1,426	1,333	-93	-6.5%
77.8%	1,424	1,297	-127	-8.9%
79.0%	1,292	1,260	-32	-2.5%
80.2%	1,252	1,249	-2	-0.2%
81.5%	1,082	1,207	125	11.6%
82.7%	1,056	1,206	150	14.2%
84.0%	946	1,184	239	25.2%
85.2%	923	1,079	156	16.9%
86.4%	907	1,078	170	18.8%
87.7%	889	1,017	128	14.4%
88.9%	839	979	139	16.6%
90.1%	829	963	134	16.2%
91.4%	754	957	203	26.9%
92.6%	747	926	180	24.0%
93.8%	747	924	177	23.8%
95.1%	740	850	110	14.9%
96.3%	691	744	53	7.6%
97.5%	503	743	240	47.8%
98.8%	425	592	166	39.1%
100.0%	356	356	0	0.0%

Table SW-29-7a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative C	1,441	2,714	3,254	4,314	4,956	3,606	3,100	3,239	3,155	3,041	2,269	2,447
Difference	88	62	66	22	-14	35	49	16	-80	-306	34	-25
Percent Difference[3]	6.5%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.6%	0.5%	-2.5%	-9.1%	1.5%	-1.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative C	1,704	3,937	3,532	8,607	8,979	5,914	4,996	5,711	5,483	3,245	3,168	3,756
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	16.0%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-9.4%	5.8%	-7.8%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative C	1,391	2,754	2,966	4,628	6,130	5,265	3,232	3,409	2,894	3,889	2,346	2,724
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.9%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.2%	-5.6%	-0.4%	-5.3%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative C	1,538	3,345	3,947	2,223	3,959	2,265	2,920	2,610	2,300	3,708	2,064	2,428
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.6%	-2.6%	-0.3%	4.9%	2.1%	-2.1%	-18.4%	-2.5%	30.8%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative C	1,406	1,659	4,104	1,503	1,713	2,001	1,691	1,507	1,958	2,858	1,876	1,425
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	8.1%	-1.6%	3.8%	-7.4%	1.8%	4.3%	-0.3%	1.7%	-6.5%	-3.8%	-8.2%	2.4%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative C	861	873	859	1,355	1,092	919	1,184	1,042	1,167	1,250	1,073	886
Difference	-99	-15	2	22	6	84	191	12	-267	15	179	-50
Percent Difference	-10.3%	-1.7%	0.2%	1.7%	0.6%	10.1%	19.2%	1.1%	-18.6%	1.2%	20.0%	-5.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-29-7b
American River at H Street, Monthly Flow
Probability of Exceedance

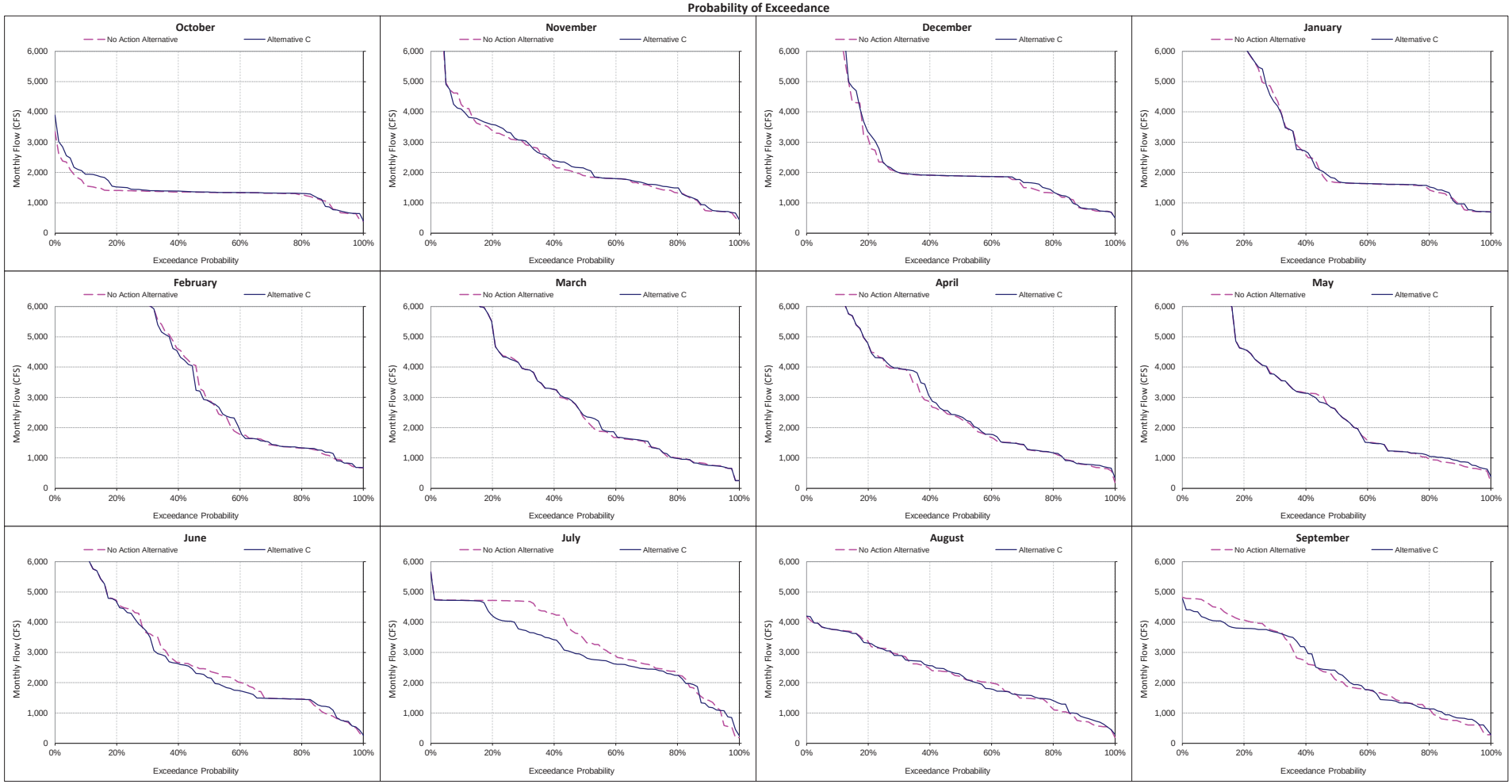

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,897	544	16.2%
1.2%	2,603	3,019	416	16.0%
2.5%	2,376	2,848	471	19.8%
3.7%	2,348	2,555	207	8.8%
4.9%	2,096	2,478	382	18.2%
6.2%	1,936	2,166	230	11.9%
7.4%	1,824	2,103	278	15.3%
8.6%	1,750	2,058	307	17.5%
9.9%	1,554	1,948	393	25.3%
11.1%	1,543	1,946	403	26.1%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,905	413	27.7%
14.8%	1,482	1,856	373	25.2%
16.0%	1,412	1,832	420	29.7%
17.3%	1,409	1,735	327	23.2%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,526	120	8.5%
21.0%	1,403	1,518	116	8.2%
22.2%	1,403	1,507	105	7.5%
23.5%	1,399	1,503	104	7.5%
24.7%	1,397	1,447	51	3.6%
25.9%	1,394	1,442	48	3.4%
27.2%	1,393	1,442	49	3.5%
28.4%	1,387	1,424	36	2.6%
29.6%	1,386	1,413	27	2.0%
30.9%	1,382	1,400	18	1.3%
32.1%	1,378	1,399	21	1.5%
33.3%	1,378	1,397	19	1.4%
34.6%	1,377	1,394	18	1.3%
35.8%	1,374	1,393	19	1.4%
37.0%	1,363	1,392	29	2.1%
38.3%	1,359	1,390	30	2.2%
39.5%	1,357	1,386	29	2.1%
40.7%	1,357	1,385	27	2.0%
42.0%	1,357	1,379	23	1.7%
43.2%	1,356	1,376	20	1.5%
44.4%	1,353	1,361	7	0.5%
45.7%	1,350	1,357	7	0.5%
46.9%	1,348	1,356	9	0.6%
48.1%	1,345	1,356	11	0.8%
49.4%	1,344	1,355	11	0.8%
50.6%	1,342	1,350	9	0.6%
51.9%	1,341	1,348	7	0.5%
53.1%	1,341	1,342	2	0.1%
54.3%	1,340	1,342	2	0.1%
55.6%	1,340	1,341	1	0.1%
56.8%	1,337	1,340	3	0.2%
58.0%	1,336	1,338	2	0.1%
59.3%	1,335	1,338	2	0.2%
60.5%	1,335	1,337	2	0.1%
61.7%	1,334	1,336	3	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,335	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,329	3	0.2%
67.9%	1,317	1,328	11	0.8%
69.1%	1,316	1,327	10	0.8%
70.4%	1,316	1,325	10	0.8%
71.6%	1,314	1,324	10	0.8%
72.8%	1,313	1,322	9	0.7%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,316	9	0.7%
76.5%	1,306	1,315	9	0.7%
77.8%	1,305	1,314	9	0.7%
79.0%	1,271	1,313	42	3.3%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,304	73	5.9%
82.7%	1,210	1,294	84	6.9%
84.0%	1,166	1,225	59	5.1%
85.2%	1,128	1,160	32	2.8%
86.4%	1,082	1,113	31	2.9%
87.7%	1,053	880	-173	-16.4%
88.9%	969	861	-108	-11.2%
90.1%	784	771	-13	-1.6%
91.4%	771	763	-8	-1.1%
92.6%	673	733	60	8.9%
93.8%	663	692	29	4.4%
95.1%	644	673	29	4.5%
96.3%	643	651	8	1.3%
97.5%	641	644	3	0.5%
98.8%	433	643	210	48.7%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,312	530	7.8%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,741	10	0.2%
7.4%	4,628	4,258	-369	-8.0%
8.6%	4,621	4,127	-493	-10.7%
9.9%	4,251	4,093	-157	-3.7%
11.1%	4,110	3,974	-136	-3.3%
12.3%	4,109	3,821	-288	-7.0%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,788	151	4.2%
16.0%	3,582	3,731	149	4.2%
17.3%	3,566	3,665	100	2.8%
18.5%	3,506	3,627	122	3.5%
19.8%	3,401	3,589	188	5.5%
21.0%	3,298	3,573	274	8.3%
22.2%	3,295	3,506	211	6.4%
23.5%	3,235	3,448	213	6.6%
24.7%	3,202	3,336	133	4.2%
25.9%	3,101	3,311	210	6.8%
27.2%	3,085	3,139	54	1.8%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	3,065	26	0.9%
30.9%	2,917	3,045	128	4.4%
32.1%	2,877	2,909	32	1.1%
33.3%	2,829	2,761	-69	-2.4%
34.6%	2,803	2,664	-139	-5.0%
35.8%	2,613	2,613	0	0.0%
37.0%	2,488	2,597	109	4.4%
38.3%	2,450	2,498	48	2.0%
39.5%	2,263	2,386	122	5.4%
40.7%	2,152	2,376	224	10.4%
42.0%	2,151	2,349	199	9.2%
43.2%	2,091	2,346	255	12.2%
44.4%	2,079	2,275	197	9.5%
45.7%	2,040	2,191	151	7.4%
46.9%	1,983	2,166	183	9.2%
48.1%	1,968	2,159	190	9.7%
49.4%	1,904	2,155	251	13.2%
50.6%	1,884	2,091	208	11.0%
51.9%	1,847	2,054	207	11.2%
53.1%	1,840	1,853	14	0.7%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,814	-11	-0.6%
56.8%	1,813	1,813	0	0.0%
58.0%	1,808	1,806	-2	-0.1%
59.3%	1,796	1,804	8	0.4%
60.5%	1,791	1,794	2	0.1%
61.7%	1,790	1,791	1	0.1%
63.0%	1,776	1,776	0	0.0%
64.2%	1,757	1,757	0	0.0%
65.4%	1,667	1,728	61	3.7%
66.7%	1,666	1,700	35	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,460	1,575	115	7.9%
75.3%	1,423	1,540	117	8.2%
76.5%	1,421	1,535	113	8.0%
77.8%	1,404	1,511	107	7.6%
79.0%	1,340	1,488	148	11.0%
80.2%	1,324	1,488	164	12.4%
81.5%	1,311	1,291	-20	-1.5%
82.7%	1,240	1,234	-6	-0.5%
84.0%	1,162	1,201	38	3.3%
85.2%	1,137	1,147	10	0.9%
86.4%	1,061	1,099	38	3.5%
87.7%	894	938	44	4.9%
88.9%	748	926	178	23.8%
90.1%	725	823	98	13.5%
91.4%	722	749	26	3.6%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	708	27	3.9%
97.5%	672	682	9	1.4%
98.8%	513	666	152	29.6%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,009	217	1.1%
1.2%	16,520	16,520	0	0.0%
2.5%	15,879	16,220	340	2.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,768	0	0.0%
6.2%	12,867	12,633	-234	-1.8%
7.4%	8,949	9,073	124	1.4%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,127	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,397	657	11.5%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,819	469	10.8%
16.0%	4,306	4,703	397	9.2%
17.3%	4,294	4,109	-184	-4.3%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,361	165	5.2%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	3,029	287	10.5%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,343	1	0.0%
25.9%	2,221	2,221	0	0.0%
27.2%	2,096	2,163	67	3.2%
28.4%	2,059	2,071	12	0.6%
29.6%	2,002	2,014	13	0.6%
30.9%	1,969	1,972	3	0.2%
32.1%	1,950	1,968	18	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,933	11	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,909	-2	-0.1%
42.0%	1,899	1,908	9	0.5%
43.2%	1,897	1,900	3	0.2%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,894	-2	-0.1%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,884	0	0.0%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,878	0	0.0%
54.3%	1,878	1,877	-1	0.0%
55.6%	1,876	1,872	-5	-0.3%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,869	-3	-0.2%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	2	0.1%
64.2%	1,856	1,859	3	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,770	3	0.2%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,511	168	12.6%
77.8%	1,340	1,471	130	9.7%
79.0%	1,333	1,441	108	8.1%
80.2%	1,303	1,336	34	2.6%
81.5%	1,285	1,283	-2	-0.2%
82.7%	1,181	1,240	59	5.0%
84.0%	1,178	1,222	45	3.8%
85.2%	1,132	1,166	33	2.9%
86.4%	1,094	978	-116	-10.6%
87.7%	852	937	85	10.0%
88.9%	829	832	4	0.5%
90.1%	799	818	19	2.3%
91.4%	790	793	4	0.4%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	708	-10	-1.4%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,273	2	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,633	-16	-0.1%
3.7%	15,531	15,823	292	1.9%
4.9%	14,746	15,528	781	5.3%
6.2%	12,801	12,799	-2	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,650	116	1.1%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,924	-3	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,336	-125	-1.7%
18.5%	6,778	6,546	-233	-3.4%
19.8%	6,640	6,396	-244	-3.7%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,831	13	0.2%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,478	61	1.1%
25.9%	4,982	5,419	437	8.8%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,553	-308	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,473	-55	-1.6%
34.6%	3,392	3,433	41	1.2%
35.8%	3,364	3,371	7	0.2%
37.0%	2,907	2,759	-148	-5.1%
38.3%	2,782	2,759	-23	-0.8%
39.5%	2,644	2,724	79	3.0%
40.7%	2,487	2,644	157	6.3%
42.0%	2,482	2,440	-42	-1.7%
43.2%	2,375	2,159	-217	-9.1%
44.4%	2,079	2,086	6	0.3%
45.7%	1,863	2,026	163	8.8%
46.9%	1,712	1,927	215	12.5%
48.1%	1,704	1,835	131	7.7%
49.4%	1,676	1,811	135	8.1%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,639	8	0.5%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,629	8	0.5%
63.0%	1,616	1,627	11	0.7%
64.2%	1,612	1,621	10	0.6%
65.4%	1,610	1,616	7	0.4%
66.7%	1,608	1,612	3	0.2%
67.9%	1,608	1,610	2	0.1%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,608	8	0.5%
71.6%	1,599	1,607	8	0.5%
72.8%	1,597	1,600	3	0.2%
74.1%	1,582	1,599	16	1.0%
75.3%	1,574	1,597	23	1.4%
76.5%	1,573	1,574	1	0.1%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,573	55	3.6%
80.2%	1,418	1,518	100	7.0%
81.5%	1,375	1,488	112	8.2%
82.7%	1,340	1,426	85	6.4%
84.0%	1,325	1,424	99	7.5%
85.2%	1,296	1,375	80	6.1%
86.4%	1,173	1,335	162	13.8%
87.7%	1,149	1,073	-76	-6.6%
88.9%	1,016	963	-52	-5.2%
90.1%	973	960	-13	-1.3%
91.4%	774	960	186	24.1%
92.6%	748	774	26	3.5%
93.8%	721	764	43	6.0%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,563	-5	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,461	7	0.1%
4.9%	13,388	13,390	2	0.0%
6.2%	13,055	13,039	-16	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,514	7	0.1%
14.8%	10,012	10,009	-3	0.0%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,153	-12	-0.1%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,863	-5	-0.1%
23.5%	7,716	7,668	-48	-0.6%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,026	-3	0.0%
27.2%	6,732	6,491	-241	-3.6%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,063	-12	-0.2%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,404	-147	-2.6%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,620	-244	-5.0%
39.5%	4,621	4,548	-73	-1.6%
40.7%	4,549	4,319	-230	-5.1%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,236	-814	-20.1%
46.9%	3,294	3,210	-84	-2.5%
48.1%	3,218	2,933	-285	-8.9%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-38	-1.3%
51.9%	2,723	2,775	52	1.9%
53.1%	2,452	2,673	221	9.0%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,376	29	1.2%
56.8%	2,066	2,335	269	13.0%
58.0%	1,895	2,320	424	22.4%
59.3%	1,814	2,068	255	14.0%
60.5%	1,754	1,775	21	1.2%
61.7%	1,747	1,646	-102	-5.8%
63.0%	1,646	1,642	-4	-0.2%
64.2%	1,642	1,640	-2	-0.1%
65.4%	1,640	1,622	-18	-1.1%
66.7%	1,622	1,565	-58	-3.6%
67.9%	1,556	1,556	-1	0.0%
69.1%	1,442	1,529	87	6.1%
70.4%	1,435	1,442	7	0.5%
71.6%	1,404	1,435	31	2.2%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,312	38	3.0%
85.2%	1,253	1,269	16	1.3%
86.4%	1,152	1,253	101	8.8%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,152	166	16.8%
91.4%	954	901	-53	-5.6%
92.6%	936	895	-41	-4.4%
93.8%	842	830	-11	-1.3%
95.1%	815	828	12	1.5%
96.3%	731	815	84	11.5%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,447	571	4.8%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,438	2	0.0%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,400	605	7.8%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,515	-3	-0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	1	0.0%
23.5%	4,368	4,342	-27	-0.6%
24.7%	4,347	4,323	-24	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,210	-43	-1.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,905	-4	-0.1%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,305	1	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,063	65	2.2%
43.2%	2,979	2,998	19	0.6%
44.4%	2,924	2,975	51	1.7%
45.7%	2,880	2,889	10	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,419	55	2.3%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,338	258	12.4%
53.1%	1,952	2,297	345	17.7%
54.3%	1,882	2,223	341	18.1%
55.6%	1,872	1,936	64	3.4%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,867	78	4.4%
59.3%	1,678	1,864	186	11.1%
60.5%	1,670	1,680	10	0.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,025	-10	-1.0%
79.0%	1,014	994	-19	-1.9%
80.2%	1,000	983	-17	-1.7%
81.5%	974	958	-17	-1.7%
82.7%	969	955	-14	-1.4%
84.0%	932	951	19	2.0%
85.2%	865	835	-30	-3.5%
86.4%	854	831	-23	-2.7%
87.7%	833	792	-41	-4.9%
88.9%	823	771	-52	-6.3%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	738	-5	-0.6%
93.8%	743	727	-15	-2.0%
95.1%	685	701	16	2.3%
96.3%	664	662	-2	-0.3%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,696	4	0.1%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,315	-146	-3.3%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,155	114	2.8%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,920	-6	-0.2%
33.3%	3,812	3,906	95	2.5%
34.6%	3,481	3,879	398	11.4%
35.8%	3,466	3,812	346	10.0%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,877	199	7.4%
42.0%	2,643	2,819	175	6.6%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,441	11	0.4%
48.1%	2,388	2,430	42	1.8%
49.4%	2,339	2,385	46	1.9%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,206	92	4.4%
54.3%	1,983	2,035	52	2.6%
55.6%	1,869	1,983	114	6.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,782	80	4.7%
60.5%	1,646	1,769	124	7.5%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,536	11	0.7%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,492	-11	-0.7%
67.9%	1,492	1,482	-10	-0.7%
69.1%	1,450	1,462	11	0.8%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,287	18	1.4%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,237	19	1.6%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,192	-6	-0.5%
80.2%	1,155	1,168	13	1.2%
81.5%	1,098	1,144	47	4.2%
82.7%	1,054	1,054	0	0.0%
84.0%	948	913	-34	-3.6%
85.2%	919	910	-9	-1.0%
86.4%	899	877	-22	-2.5%
87.7%	850	817	-34	-4.0%
88.9%	798	810	12	1.5%
90.1%	783	797	13	1.7%
91.4%	783	791	8	1.0%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	752	72	10.6%
96.3%	654	709	56	8.5%
97.5%	640	686	46	7.2%
98.8%	579	665	86	14.9%
100.0%	188	344	156	82.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,065	2	0.0%
27.2%	4,060	4,027	-33	-0.8%
28.4%	3,817	3,781	-36	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,672	16	0.4%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,191	-4	-0.1%
38.3%	3,191	3,157	-34	-1.1%
39.5%	3,160	3,142	-17	-0.6%
40.7%	3,142	3,134	-9	-0.3%
42.0%	3,134	3,060	-74	-2.4%
43.2%	3,121	2,993	-128	-4.1%
44.4%	3,060	2,848	-212	-6.9%
45.7%	3,034	2,825	-209	-6.9%
46.9%	2,760	2,773	12	0.4%
48.1%	2,674	2,672	-1	-0.1%
49.4%	2,626	2,626	0	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,251	-3	-0.1%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,969	0	0.0%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,480	-24	-1.6%
63.0%	1,480	1,473	-7	-0.5%
64.2%	1,473	1,471	-3	-0.2%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,235	1	0.0%
67.9%	1,221	1,228	7	0.5%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	16	1.4%
76.5%	1,090	1,148	58	5.4%
77.8%	1,038	1,142	104	10.0%
79.0%	1,029	1,110	81	7.9%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,021	93	10.0%
84.0%	870	1,020	149	17.2%
85.2%	863	996	133	15.4%
86.4%	845	985	140	16.5%
87.7%	830	941	112	13.4%
88.9%	796	923	128	16.0%
90.1%	768	874	106	13.8%
91.4%	716	872	156	21.8%
92.6%	698	856	158	22.7%
93.8%	661	762	101	15.3%
95.1%	649	749	101	15.5%
96.3%	627	687	60	9.6%
97.5%	594	651	58	9.7%
98.8%	571	626	55	9.6%
100.0%	188	389	201	106.8%

Table SW-29-7b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,712	-27	-0.6%
21.0%	4,541	4,482	-59	-1.3%
22.2%	4,482	4,450	-32	-0.7%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,112	-204	-4.7%
27.2%	4,294	3,944	-350	-8.2%
28.4%	3,813	3,832	19	0.5%
29.6%	3,647	3,704	57	1.6%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,962	-538	-15.4%
34.6%	3,143	2,926	-217	-6.9%
35.8%	3,065	2,881	-184	-6.0%
37.0%	2,864	2,693	-172	-6.0%
38.3%	2,776	2,662	-114	-4.1%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,602	-60	-2.3%
42.0%	2,639	2,583	-56	-2.1%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,306	-222	-8.8%
46.9%	2,468	2,295	-173	-7.0%
48.1%	2,464	2,276	-188	-7.6%
49.4%	2,447	2,172	-275	-11.2%
50.6%	2,363	2,144	-219	-9.2%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,959	-337	-14.7%
54.3%	2,197	1,897	-300	-13.7%
55.6%	2,193	1,839	-354	-16.1%
56.8%	2,176	1,814	-362	-16.6%
58.0%	2,116	1,753	-362	-17.1%
59.3%	2,029	1,748	-281	-13.8%
60.5%	1,997	1,720	-278	-13.9%
61.7%	1,966	1,683	-283	-14.4%
63.0%	1,882	1,656	-226	-12.0%
64.2%	1,839	1,611	-227	-12.4%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,440	37	2.6%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,229	184	17.6%
87.7%	980	1,220	240	24.5%
88.9%	946	1,189	243	25.7%
90.1%	889	1,088	199	22.4%
91.4%	814	840	26	3.2%
92.6%	803	767	-36	-4.5%
93.8%	726	728	2	0.2%
95.1%	690	725	35	5.1%
96.3%	550	568	18	3.2%
97.5%	511	542	31	6.0%
98.8%	332	433	102	30.6%
100.0%	188	260	72	38.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,727	-8	-0.2%
4.9%	4,733	4,724	-10	-0.2%
6.2%	4,727	4,723	-5	-0.1%
7.4%	4,727	4,722	-5	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,720	-6	-0.1%
11.1%	4,724	4,720	-4	-0.1%
12.3%	4,723	4,719	-4	-0.1%
13.6%	4,723	4,709	-14	-0.3%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,695	-24	-0.5%
17.3%	4,719	4,645	-73	-1.6%
18.5%	4,718	4,394	-324	-6.9%
19.8%	4,717	4,232	-485	-10.3%
21.0%	4,717	4,144	-573	-12.2%
22.2%	4,716	4,078	-638	-13.5%
23.5%	4,712	4,054	-658	-14.0%
24.7%	4,709	4,035	-674	-14.3%
25.9%	4,707	4,031	-677	-14.4%
27.2%	4,707	4,004	-703	-14.9%
28.4%	4,702	3,786	-916	-19.5%
29.6%	4,698	3,746	-953	-20.3%
30.9%	4,690	3,723	-967	-20.6%
32.1%	4,684	3,656	-1,028	-22.0%
33.3%	4,623	3,645	-978	-21.2%
34.6%	4,424	3,601	-823	-18.6%
35.8%	4,373	3,570	-803	-18.4%
37.0%	4,364	3,497	-867	-19.9%
38.3%	4,288	3,480	-808	-18.8%
39.5%	4,282	3,429	-853	-19.9%
40.7%	4,233	3,406	-827	-19.5%
42.0%	4,232	3,264	-969	-22.9%
43.2%	4,105	3,076	-1,029	-25.1%
44.4%	3,838	3,053	-786	-20.5%
45.7%	3,723	3,008	-715	-19.2%
46.9%	3,639	2,964	-675	-18.6%
48.1%	3,615	2,953	-662	-18.3%
49.4%	3,480	2,895	-586	-16.8%
50.6%	3,323	2,811	-511	-15.4%
51.9%	3,319	2,774	-546	-16.4%
53.1%	3,262	2,762	-500	-15.3%
54.3%	3,260	2,754	-506	-15.5%
55.6%	3,123	2,738	-385	-12.3%
56.8%	3,068	2,723	-345	-11.2%
58.0%	2,979	2,674	-305	-10.2%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,613	-222	-7.8%
61.7%	2,819	2,608	-212	-7.5%
63.0%	2,772	2,602	-170	-6.1%
64.2%	2,754	2,561	-193	-7.0%
65.4%	2,750	2,538	-213	-7.7%
66.7%	2,706	2,508	-198	-7.3%
67.9%	2,659	2,477	-181	-6.8%
69.1%	2,623	2,466	-157	-6.0%
70.4%	2,609	2,453	-156	-6.0%
71.6%	2,578	2,446	-132	-5.1%
72.8%	2,477	2,441	-36	-1.5%
74.1%	2,466	2,396	-70	-2.9%
75.3%	2,457	2,383	-74	-3.0%
76.5%	2,396	2,309	-86	-3.6%
77.8%	2,383	2,291	-92	-3.9%
79.0%	2,382	2,247	-135	-5.7%
80.2%	2,247	2,238	-9	-0.4%
81.5%	2,225	2,129	-96	-4.3%
82.7%	2,102	1,972	-131	-6.2%
84.0%	1,849	1,969	120	6.5%
85.2%	1,824	1,935	111	6.1%
86.4%	1,644	1,874	231	14.0%
87.7%	1,542	1,336	-206	-13.4%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,192	-221	-15.6%
91.4%	1,349	1,176	-173	-12.9%
92.6%	1,190	1,096	-94	-7.9%
93.8%	1,091	1,080	-11	-1.0%
95.1%	588	1,073	485	82.5%
96.3%	556	877	321	57.7%
97.5%	546	851	305	56.0%
98.8%	188	454	266	141.4%
100.0%	188	250	62	32.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,201	16	0.4%
1.2%	4,068	4,186	117	2.9%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,782	4	0.1%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,634	-52	-1.4%
16.0%	3,634	3,623	-10	-0.3%
17.3%	3,548	3,500	-48	-1.4%
18.5%	3,421	3,330	-91	-2.7%
19.8%	3,392	3,317	-75	-2.2%
21.0%	3,192	3,288	96	3.0%
22.2%	3,157	3,203	47	1.5%
23.5%	3,143	3,156	12	0.4%
24.7%	3,136	3,115	-21	-0.7%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	3,052	44	1.5%
28.4%	2,967	2,903	-64	-2.2%
29.6%	2,941	2,902	-39	-1.3%
30.9%	2,892	2,891	-1	0.0%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,737	50	1.8%
34.6%	2,628	2,725	97	3.7%
35.8%	2,625	2,715	90	3.4%
37.0%	2,594	2,713	119	4.6%
38.3%	2,562	2,605	43	1.7%
39.5%	2,501	2,571	70	2.8%
40.7%	2,398	2,563	165	6.9%
42.0%	2,393	2,487	94	3.9%
43.2%	2,391	2,479	88	3.7%
44.4%	2,372	2,467	95	4.0%
45.7%	2,360	2,389	29	1.2%
46.9%	2,323	2,353	31	1.3%
48.1%	2,238	2,316	78	3.5%
49.4%	2,224	2,296	72	3.3%
50.6%	2,158	2,215	57	2.7%
51.9%	2,098	2,105	7	0.3%
53.1%	2,079	2,062	-17	-0.8%
54.3%	2,074	2,019	-55	-2.6%
55.6%	2,063	1,991	-72	-3.5%
56.8%	2,029	1,950	-78	-3.9%
58.0%	2,020	1,814	-206	-10.2%
59.3%	2,013	1,804	-209	-10.4%
60.5%	1,982	1,782	-200	-10.1%
61.7%	1,949	1,722	-227	-11.7%
63.0%	1,866	1,719	-147	-7.9%
64.2%	1,726	1,715	-11	-0.6%
65.4%	1,699	1,707	8	0.5%
66.7%	1,667	1,627	-40	-2.4%
67.9%	1,617	1,611	-6	-0.4%
69.1%	1,489	1,591	102	6.8%
70.4%	1,489	1,586	97	6.5%
71.6%	1,482	1,583	102	6.9%
72.8%	1,473	1,575	102	6.9%
74.1%	1,470	1,521	51	3.5%
75.3%	1,470	1,489	19	1.3%
76.5%	1,466	1,480	14	0.9%
77.8%	1,370	1,472	102	7.5%
79.0%	1,213	1,453	240	19.8%
80.2%	1,102	1,397	295	26.7%
81.5%	1,093	1,331	238	21.7%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,001	8	0.8%
86.4%	922	997	75	8.1%
87.7%	750	979	228	30.4%
88.9%	728	894	166	22.8%
90.1%	723	846	122	16.9%
91.4%	703	814	111	15.8%
92.6%	624	769	145	23.2%
93.8%	571	731	160	28.1%
95.1%	561	699	138	24.6%
96.3%	549	629	80	14.6%
97.5%	545	535	-10	-1.9%
98.8%	444	442	-2	-0.4%
100.0%	188	298	110	58.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,413	-378	-7.9%
2.5%	4,781	4,412	-369	-7.7%
3.7%	4,778	4,354	-424	-8.9%
4.9%	4,773	4,341	-432	-9.1%
6.2%	4,751	4,183	-568	-12.0%
7.4%	4,679	4,144	-535	-11.4%
8.6%	4,607	4,084	-523	-11.4%
9.9%	4,514	4,051	-462	-10.2%
11.1%	4,494	4,045	-449	-10.0%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	3,984	-356	-8.2%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,812	-332	-8.0%
18.5%	4,089	3,800	-289	-7.1%
19.8%	4,080	3,797	-283	-6.9%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,788	-216	-5.4%
23.5%	4,001	3,779	-222	-5.5%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,681	-31	-0.8%
30.9%	3,684	3,656	-28	-0.7%
32.1%	3,660	3,614	-46	-1.3%
33.3%	3,453	3,575	121	3.5%
34.6%	3,337	3,523	187	5.6%
35.8%	3,078	3,502	424	13.8%
37.0%	2,813	3,372	559	19.9%
38.3%	2,784	3,196	412	14.8%
39.5%	2,739	3,185	447	16.3%
40.7%	2,610	2,957	347	13.3%
42.0%	2,588	2,953	365	14.1%
43.2%	2,569	2,513	-56	-2.2%
44.4%	2,428	2,467	39	1.6%
45.7%	2,368	2,439	71	3.0%
46.9%	2,350	2,437	87	3.7%
48.1%	2,286	2,420	135	5.9%
49.4%	2,119	2,419	300	14.2%
50.6%	2,029	2,296	266	13.1%
51.9%	2,027	2,249	222	11.0%
53.1%	1,897	2,131	234	12.3%
54.3%	1,842	2,009	167	9.1%
55.6%	1,835	1,938	103	5.6%
56.8%	1,813	1,935	122	6.7%
58.0%	1,806	1,903	98	5.4%
59.3%	1,776	1,774	-2	-0.1%
60.5%	1,763	1,761	-2	-0.1%
61.7%	1,722	1,746	24	1.4%
63.0%	1,671	1,640	-31	-1.9%
64.2%	1,665	1,447	-219	-13.1%
65.4%	1,610	1,431	-179	-11.1%
66.7%	1,585	1,425	-159	-10.1%
67.9%	1,535	1,422	-113	-7.4%
69.1%	1,438	1,395	-43	-3.0%
70.4%	1,396	1,335	-61	-4.4%
71.6%	1,357	1,323	-34	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,308	-10	-0.8%
75.3%	1,312	1,255	-56	-4.3%
76.5%	1,286	1,190	-96	-7.4%
77.8%	1,280	1,157	-124	-9.7%
79.0%	1,150	1,151	2	0.1%
80.2%	1,109	1,135	27	2.4%
81.5%	944	1,130	186	19.7%
82.7%	906	1,064	158	17.4%
84.0%	805	1,042	237	29.5%
85.2%	790	942	152	19.2%
86.4%	771	940	169	22.0%
87.7%	758	885	127	16.7%
88.9%	754	837	84	11.1%
90.1%	707	836	129	18.2%
91.4%	633	824	191	30.2%
92.6%	606	791	185	30.6%
93.8%	605	790	185	30.6%
95.1%	603	718	116	19.2%
96.3%	598	602	4	0.6%
97.5%	367	602	235	64.2%
98.8%	281	447	166	59.2%
100.0%	281	281	0	0.0%

Table SW-46-7a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,391	3,310	5,688	8,005	8,934	9,288	5,661	6,395	5,916	8,753	5,958	5,411
Alternative C	3,187	3,230	5,390	7,969	9,123	9,334	5,620	6,325	6,063	8,751	6,003	5,712
Difference	-204	-80	-299	-35	189	46	-41	-70	148	-2	45	301
Percent Difference[3]	-6.0%	-2.4%	-5.2%	-0.4%	2.1%	0.5%	-0.7%	-1.1%	2.5%	0.0%	0.8%	5.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,413	4,541	7,604	17,055	17,558	18,241	10,720	12,703	9,229	8,577	5,372	9,157
Alternative C	4,100	4,337	7,025	17,023	17,730	18,253	10,725	12,704	9,451	8,581	5,364	9,254
Difference	-312	-204	-579	-32	172	12	5	1	222	3	-8	97
Percent Difference	-7.1%	-4.5%	-7.6%	-0.2%	1.0%	0.1%	0.0%	0.0%	2.4%	0.0%	-0.1%	1.1%
Above Normal (15%)												
No Action Alternative	4,143	3,418	5,228	7,269	9,498	11,635	5,461	6,404	5,931	10,210	7,446	7,683
Alternative C	3,999	3,402	4,579	7,227	9,778	11,946	5,461	6,493	6,394	10,201	7,039	7,971
Difference	-144	-15	-649	-42	280	311	0	90	464	-8	-407	288
Percent Difference	-3.5%	-0.4%	-12.4%	-0.6%	2.9%	2.7%	0.0%	1.4%	7.8%	-0.1%	-5.5%	3.8%
Below Normal (17%)												
No Action Alternative	3,332	3,305	5,318	3,740	5,403	4,142	3,451	3,136	4,345	9,846	7,514	3,235
Alternative C	3,125	3,287	5,803	3,493	6,080	4,149	3,451	3,118	4,760	9,820	7,177	3,531
Difference	-208	-18	485	-247	677	7	0	-19	415	-26	-337	296
Percent Difference	-6.2%	-0.6%	9.1%	-6.6%	12.5%	0.2%	0.0%	-0.6%	9.5%	-0.3%	-4.5%	9.2%
Dry (22%)												
No Action Alternative	2,533	2,504	5,639	2,611	3,179	3,379	2,652	2,642	4,174	8,766	6,649	2,492
Alternative C	2,114	2,467	5,207	2,552	3,124	3,232	2,597	2,317	3,944	8,747	7,288	3,207
Difference	-419	-38	-432	-59	-55	-147	-55	-325	-230	-18	639	714
Percent Difference	-16.5%	-1.5%	-7.7%	-2.3%	-1.7%	-4.3%	-2.1%	-12.3%	-5.5%	-0.2%	9.6%	28.7%
Critical (15%)												
No Action Alternative	1,779	1,747	2,504	2,197	2,437	2,414	1,990	2,149	3,166	6,382	2,885	1,941
Alternative C	2,076	1,734	2,450	2,445	2,369	2,602	1,782	2,087	3,092	6,426	3,055	2,083
Difference	296	-13	-54	248	-67	188	-208	-62	-74	44	170	142
Percent Difference	16.7%	-0.7%	-2.2%	11.3%	-2.8%	7.8%	-10.4%	-2.9%	-2.3%	0.7%	5.9%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-46-7b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

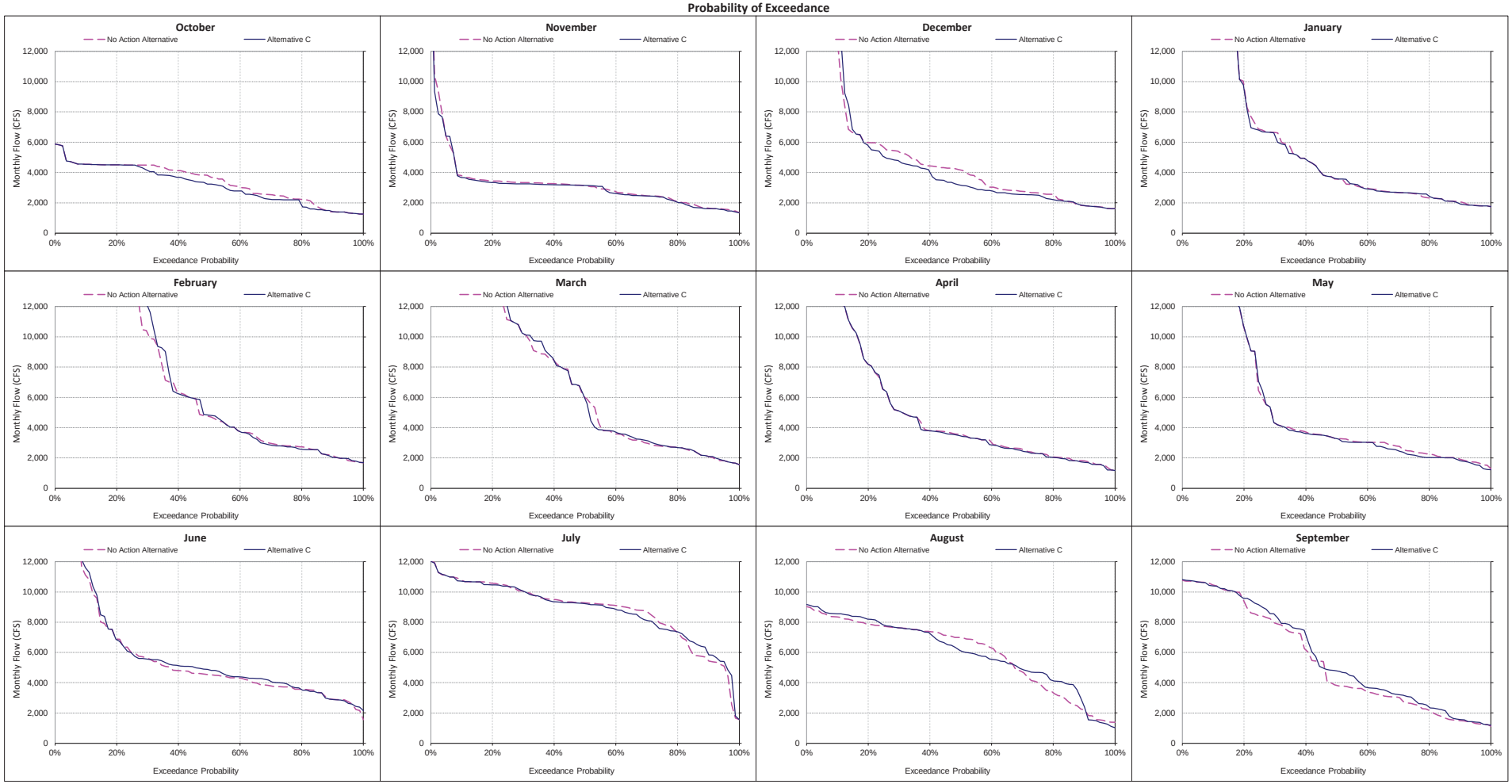

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,874	-9	-0.2%
1.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,757	0	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,641	1	0.0%
7.4%	4,558	4,557	-1	0.0%
8.6%	4,556	4,556	0	0.0%
9.9%	4,548	4,547	-1	0.0%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,523	-3	-0.1%
13.6%	4,523	4,519	-4	-0.1%
14.8%	4,519	4,514	-5	-0.1%
16.0%	4,514	4,506	-8	-0.2%
17.3%	4,510	4,505	-6	-0.1%
18.5%	4,507	4,504	-3	-0.1%
19.8%	4,505	4,501	-4	-0.1%
21.0%	4,501	4,499	-2	0.0%
22.2%	4,499	4,491	-8	-0.2%
23.5%	4,496	4,490	-6	-0.1%
24.7%	4,493	4,490	-3	-0.1%
25.9%	4,492	4,489	-3	-0.1%
27.2%	4,492	4,397	-94	-2.1%
28.4%	4,491	4,303	-188	-4.2%
29.6%	4,489	4,174	-315	-7.0%
30.9%	4,489	4,057	-432	-9.6%
32.1%	4,484	4,047	-438	-9.8%
33.3%	4,392	3,838	-554	-12.6%
34.6%	4,376	3,832	-544	-12.4%
35.8%	4,282	3,821	-460	-10.8%
37.0%	4,178	3,808	-370	-8.9%
38.3%	4,155	3,751	-405	-9.7%
39.5%	4,128	3,690	-439	-10.6%
40.7%	4,122	3,687	-435	-10.6%
42.0%	4,057	3,589	-469	-11.6%
43.2%	3,992	3,513	-479	-12.0%
44.4%	3,942	3,471	-471	-12.0%
45.7%	3,874	3,393	-481	-12.4%
46.9%	3,842	3,374	-468	-12.2%
48.1%	3,839	3,351	-488	-12.7%
49.4%	3,817	3,239	-578	-15.1%
50.6%	3,678	3,236	-442	-12.0%
51.9%	3,675	3,204	-471	-12.8%
53.1%	3,574	3,146	-428	-12.0%
54.3%	3,572	3,096	-476	-13.3%
55.6%	3,318	2,932	-385	-11.6%
56.8%	3,157	2,822	-335	-10.6%
58.0%	3,124	2,789	-334	-10.7%
59.3%	3,083	2,778	-306	-9.9%
60.5%	3,006	2,776	-230	-7.6%
61.7%	2,977	2,568	-409	-13.7%
63.0%	2,935	2,562	-373	-12.7%
64.2%	2,621	2,527	-93	-3.6%
65.4%	2,606	2,476	-130	-5.0%
66.7%	2,579	2,375	-204	-7.9%
67.9%	2,566	2,275	-291	-11.3%
69.1%	2,549	2,244	-305	-12.0%
70.4%	2,529	2,209	-319	-12.6%
71.6%	2,476	2,207	-269	-10.9%
72.8%	2,463	2,206	-257	-10.4%
74.1%	2,447	2,199	-248	-10.1%
75.3%	2,324	2,197	-127	-5.5%
76.5%	2,276	2,197	-79	-3.5%
77.8%	2,241	2,190	-51	-2.3%
79.0%	2,236	2,190	-47	-2.1%
80.2%	2,206	1,729	-477	-21.6%
81.5%	2,193	1,716	-476	-21.7%
82.7%	2,121	1,595	-526	-24.8%
84.0%	1,892	1,592	-300	-15.8%
85.2%	1,717	1,541	-176	-10.3%
86.4%	1,595	1,540	-54	-3.4%
87.7%	1,501	1,492	-9	-0.6%
88.9%	1,411	1,487	77	5.4%
90.1%	1,410	1,410	0	0.0%
91.4%	1,392	1,394	2	0.1%
92.6%	1,390	1,391	0	0.0%
93.8%	1,390	1,391	1	0.1%
95.1%	1,333	1,331	-3	-0.2%
96.3%	1,304	1,302	-2	-0.1%
97.5%	1,299	1,296	-3	-0.2%
98.8%	1,261	1,260	-1	-0.1%
100.0%	1,254	1,252	-2	-0.2%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,363	-1,037	-10.0%
2.5%	9,369	7,878	-1,490	-15.9%
3.7%	7,878	7,674	-205	-2.6%
4.9%	6,402	6,402	0	0.0%
6.2%	5,780	6,388	608	10.5%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,794	-39	-1.0%
9.9%	3,798	3,669	-129	-3.4%
11.1%	3,669	3,653	-16	-0.4%
12.3%	3,661	3,553	-108	-2.9%
13.6%	3,588	3,508	-80	-2.2%
14.8%	3,553	3,485	-68	-1.9%
16.0%	3,516	3,436	-79	-2.3%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,347	-118	-3.4%
19.8%	3,435	3,336	-99	-2.9%
21.0%	3,434	3,332	-102	-3.0%
22.2%	3,430	3,285	-145	-4.2%
23.5%	3,398	3,280	-119	-3.5%
24.7%	3,393	3,267	-126	-3.7%
25.9%	3,368	3,266	-103	-3.0%
27.2%	3,349	3,257	-92	-2.7%
28.4%	3,347	3,254	-93	-2.8%
29.6%	3,339	3,254	-85	-2.6%
30.9%	3,336	3,253	-83	-2.5%
32.1%	3,332	3,250	-82	-2.5%
33.3%	3,317	3,229	-88	-2.6%
34.6%	3,308	3,223	-86	-2.6%
35.8%	3,294	3,213	-81	-2.5%
37.0%	3,280	3,201	-79	-2.4%
38.3%	3,267	3,196	-71	-2.2%
39.5%	3,266	3,196	-70	-2.2%
40.7%	3,257	3,183	-74	-2.3%
42.0%	3,253	3,176	-77	-2.4%
43.2%	3,229	3,169	-60	-1.9%
44.4%	3,223	3,165	-58	-1.8%
45.7%	3,183	3,163	-20	-0.6%
46.9%	3,167	3,160	-6	-0.2%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,111	3,143	32	1.0%
51.9%	3,068	3,137	69	2.2%
53.1%	3,058	3,111	53	1.7%
54.3%	2,907	3,078	171	5.9%
55.6%	2,906	3,078	171	5.9%
56.8%	2,892	2,791	-101	-3.5%
58.0%	2,824	2,659	-165	-5.8%
59.3%	2,791	2,628	-163	-5.8%
60.5%	2,687	2,599	-88	-3.3%
61.7%	2,661	2,560	-101	-3.8%
63.0%	2,628	2,530	-98	-3.7%
64.2%	2,599	2,522	-77	-3.0%
65.4%	2,560	2,486	-74	-2.9%
66.7%	2,530	2,486	-44	-1.8%
67.9%	2,515	2,482	-33	-1.3%
69.1%	2,486	2,451	-35	-1.4%
70.4%	2,451	2,448	-3	-0.1%
71.6%	2,448	2,444	-4	-0.2%
72.8%	2,444	2,430	-14	-0.6%
74.1%	2,430	2,375	-55	-2.3%
75.3%	2,375	2,371	-4	-0.2%
76.5%	2,371	2,239	-132	-5.6%
77.8%	2,267	2,185	-82	-3.6%
79.0%	2,129	2,115	-14	-0.7%
80.2%	2,091	2,006	-86	-4.1%
81.5%	2,006	2,002	-4	-0.2%
82.7%	2,002	1,884	-118	-5.9%
84.0%	1,914	1,788	-126	-6.6%
85.2%	1,884	1,696	-189	-10.0%
86.4%	1,788	1,674	-114	-6.4%
87.7%	1,699	1,656	-43	-2.5%
88.9%	1,674	1,611	-63	-3.8%
90.1%	1,635	1,605	-30	-1.8%
91.4%	1,611	1,602	-9	-0.6%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,566	-35	-2.2%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,463	-86	-5.6%
97.5%	1,463	1,455	-8	-0.6%
98.8%	1,455	1,389	-65	-4.5%
100.0%	1,340	1,340	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,040	397	1.6%
2.5%	24,159	23,469	-690	-2.9%
3.7%	23,945	22,265	-1,681	-7.0%
4.9%	18,630	17,015	-1,614	-8.7%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,907	-654	-4.2%
8.6%	14,052	13,736	-316	-2.3%
9.9%	13,127	12,901	-225	-1.7%
11.1%	10,175	12,770	2,594	25.5%
12.3%	8,453	9,237	784	9.3%
13.6%	6,843	8,451	1,607	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,531	-4	-0.1%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	5,960	-112	-1.8%
19.8%	5,977	5,809	-168	-2.8%
21.0%	5,971	5,498	-473	-7.9%
22.2%	5,960	5,460	-500	-8.4%
23.5%	5,893	5,411	-482	-8.2%
24.7%	5,728	5,076	-652	-11.4%
25.9%	5,498	4,939	-560	-10.2%
27.2%	5,470	4,900	-569	-10.4%
28.4%	5,449	4,826	-623	-11.4%
29.6%	5,410	4,800	-610	-11.3%
30.9%	5,245	4,619	-626	-11.9%
32.1%	5,223	4,564	-659	-12.6%
33.3%	5,076	4,508	-568	-11.2%
34.6%	4,845	4,435	-410	-8.5%
35.8%	4,829	4,430	-399	-8.3%
37.0%	4,564	4,283	-281	-6.1%
38.3%	4,507	4,249	-257	-5.7%
39.5%	4,432	4,190	-242	-5.5%
40.7%	4,427	3,713	-714	-16.1%
42.0%	4,390	3,517	-873	-19.9%
43.2%	4,319	3,500	-819	-19.0%
44.4%	4,315	3,485	-830	-19.2%
45.7%	4,292	3,346	-946	-22.0%
46.9%	4,283	3,344	-939	-21.9%
48.1%	4,259	3,245	-1,014	-23.8%
49.4%	4,190	3,190	-1,000	-23.9%
50.6%	4,146	3,129	-1,017	-24.5%
51.9%	3,976	3,120	-856	-21.5%
53.1%	3,840	3,036	-804	-20.9%
54.3%	3,802	2,970	-832	-21.9%
55.6%	3,567	2,860	-706	-19.8%
56.8%	3,500	2,860	-640	-18.3%
58.0%	3,190	2,821	-369	-11.6%
59.3%	3,035	2,821	-214	-7.1%
60.5%	3,029	2,764	-265	-8.7%
61.7%	2,970	2,661	-309	-10.4%
63.0%	2,860	2,657	-204	-7.1%
64.2%	2,860	2,656	-203	-7.1%
65.4%	2,822	2,608	-214	-7.6%
66.7%	2,821	2,579	-242	-8.6%
67.9%	2,820	2,571	-249	-8.8%
69.1%	2,764	2,554	-210	-7.6%
70.4%	2,740	2,552	-188	-6.9%
71.6%	2,724	2,538	-186	-6.8%
72.8%	2,661	2,530	-130	-4.9%
74.1%	2,656	2,506	-150	-5.6%
75.3%	2,648	2,503	-146	-5.5%
76.5%	2,592	2,398	-194	-7.5%
77.8%	2,569	2,278	-291	-11.3%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,187	-367	-14.4%
81.5%	2,241	2,145	-96	-4.3%
82.7%	2,189	2,130	-59	-2.7%
84.0%	2,137	2,096	-41	-1.9%
85.2%	2,065	2,095	30	1.4%
86.4%	2,041	2,065	25	1.2%
87.7%	1,859	1,925	66	3.5%
88.9%	1,822	1,859	37	2.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,784	0	0.0%
92.6%	1,763	1,762	-1	-0.1%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,708	-13	-0.7%
96.3%	1,708	1,668	-40	-2.3%
97.5%	1,633	1,633	0	0.0%
98.8%	1,613	1,613	0	0.0%
100.0%	1,611	1,611	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,664	-5	0.0%
1.2%	51,110	51,107	-3	0.0%
2.5%	30,266	29,960	-306	-1.0%
3.7%	29,961	29,371	-591	-2.0%
4.9%	29,228	29,024	-205	-0.7%
6.2%	25,712	25,709	-3	0.0%
7.4%	23,958	24,169	211	0.9%
8.6%	20,978	22,857	1,879	9.0%
9.9%	20,603	20,704	101	0.5%
11.1%	19,127	19,123	-4	0.0%
12.3%	18,537	18,538	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,087	-609	-3.4%
16.0%	16,933	16,929	-4	0.0%
17.3%	13,957	13,339	-618	-4.4%
18.5%	10,144	10,144	0	0.0%
19.8%	10,035	9,780	-255	-2.5%
21.0%	8,291	8,119	-172	-2.1%
22.2%	7,700	6,959	-741	-9.6%
23.5%	7,263	6,865	-398	-5.5%
24.7%	6,865	6,808	-58	-0.8%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,264	-566	-9.7%
35.8%	5,253	5,245	-8	-0.2%
37.0%	5,160	5,160	0	0.0%
38.3%	4,939	4,939	0	0.0%
39.5%	4,937	4,937	0	0.0%
40.7%	4,755	4,755	0	0.0%
42.0%	4,617	4,617	0	0.0%
43.2%	4,464	4,464	0	0.0%
44.4%	4,107	4,107	0	0.0%
45.7%	3,818	3,818	0	0.0%
46.9%	3,753	3,753	0	0.0%
48.1%	3,727	3,727	0	0.0%
49.4%	3,564	3,595	30	0.9%
50.6%	3,562	3,564	2	0.1%
51.9%	3,549	3,562	13	0.4%
53.1%	3,235	3,549	314	9.7%
54.3%	3,209	3,262	53	1.6%
55.6%	3,199	3,234	34	1.1%
56.8%	3,080	3,199	119	3.9%
58.0%	3,024	3,014	-9	-0.3%
59.3%	3,014	2,929	-85	-2.8%
60.5%	2,929	2,897	-33	-1.1%
61.7%	2,897	2,888	-9	-0.3%
63.0%	2,888	2,776	-112	-3.9%
64.2%	2,776	2,765	-11	-0.4%
65.4%	2,765	2,735	-30	-1.1%
66.7%	2,722	2,722	0	0.0%
67.9%	2,700	2,702	2	0.1%
69.1%	2,676	2,700	24	0.9%
70.4%	2,668	2,676	8	0.3%
71.6%	2,665	2,668	3	0.1%
72.8%	2,640	2,665	26	1.0%
74.1%	2,624	2,640	16	0.6%
75.3%	2,597	2,624	27	1.0%
76.5%	2,584	2,597	13	0.5%
77.8%	2,397	2,585	188	7.8%
79.0%	2,338	2,584	245	10.5%
80.2%	2,312	2,397	86	3.7%
81.5%	2,309	2,294	-16	-0.7%
82.7%	2,278	2,278	0	0.0%
84.0%	2,255	2,255	0	0.0%
85.2%	2,167	2,118	-49	-2.3%
86.4%	2,118	2,105	-13	-0.6%
87.7%	2,105	2,091	-15	-0.7%
88.9%	2,091	2,033	-58	-2.8%
90.1%	2,053	1,914	-139	-6.8%
91.4%	1,986	1,871	-115	-5.8%
92.6%	1,871	1,845	-26	-1.4%
93.8%	1,845	1,845	0	0.0%
95.1%	1,817	1,808	-9	-0.5%
96.3%	1,808	1,788	-20	-1.1%
97.5%	1,788	1,787	-1	-0.1%
98.8%	1,785	1,785	0	0.0%
100.0%	1,742	1,742	0	0.0%

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,174	16	0.0%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,767	-3	0.0%
3.7%	28,349	28,347	-2	0.0%
4.9%	27,561	27,559	-1	0.0%
6.2%	26,981	25,837	-1,145	-4.2%
7.4%	24,966	24,962	-5	0.0%
8.6%	22,575	22,576	1	0.0%
9.9%	22,284	22,209	-76	-0.3%
11.1%	21,422	20,828	-594	-2.8%
12.3%	19,559	19,557	-1	0.0%
13.6%	19,495	19,499	3	0.0%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	18,352	1,985	12.1%
17.3%	16,361	16,366	5	0.0%
18.5%	16,236	16,352	116	0.7%
19.8%	16,202	16,238	36	0.2%
21.0%	15,487	16,199	711	4.6%
22.2%	15,450	15,487	37	0.2%
23.5%	14,987	15,448	461	3.1%
24.7%	14,260	15,167	907	6.4%
25.9%	13,228	14,983	1,755	13.3%
27.2%	12,237	14,289	2,053	16.8%
28.4%	10,473	13,228	2,755	26.3%
29.6%	10,415	12,234	1,820	17.5%
30.9%	9,879	11,619	1,741	17.6%
32.1%	9,844	10,471	628	6.4%
33.3%	9,371	9,367	-4	0.0%
34.6%	8,263	9,274	1,011	12.2%
35.8%	7,143	9,027	1,884	26.4%
37.0%	7,024	7,574	550	7.8%
38.3%	7,020	6,420	-600	-8.6%
39.5%	6,420	6,278	-142	-2.2%
40.7%	6,285	6,203	-82	-1.3%
42.0%	6,203	6,098	-106	-1.7%
43.2%	6,022	6,023	0	0.0%
44.4%	5,972	5,970	-2	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	5,862	993	20.4%
48.1%	4,808	4,869	61	1.3%
49.4%	4,772	4,841	69	1.5%
50.6%	4,700	4,805	105	2.2%
51.9%	4,593	4,772	179	3.9%
53.1%	4,413	4,593	181	4.1%
54.3%	4,405	4,409	4	0.1%
55.6%	4,197	4,197	0	0.0%
56.8%	4,038	4,038	0	0.0%
58.0%	4,031	4,031	0	0.0%
59.3%	3,795	3,795	0	0.0%
60.5%	3,702	3,685	-17	-0.5%
61.7%	3,685	3,675	-10	-0.3%
63.0%	3,675	3,576	-99	-2.7%
64.2%	3,576	3,358	-218	-6.1%
65.4%	3,358	3,228	-130	-3.9%
66.7%	3,172	2,999	-172	-5.4%
67.9%	3,060	2,941	-119	-3.9%
69.1%	2,999	2,888	-111	-3.7%
70.4%	2,941	2,825	-116	-3.9%
71.6%	2,888	2,793	-96	-3.3%
72.8%	2,825	2,791	-34	-1.2%
74.1%	2,813	2,782	-31	-1.1%
75.3%	2,793	2,738	-54	-1.9%
76.5%	2,791	2,734	-56	-2.0%
77.8%	2,782	2,699	-84	-3.0%
79.0%	2,738	2,600	-139	-5.1%
80.2%	2,734	2,565	-169	-6.2%
81.5%	2,699	2,554	-145	-5.4%
82.7%	2,600	2,550	-50	-1.9%
84.0%	2,550	2,548	-1	-0.1%
85.2%	2,548	2,544	-4	-0.2%
86.4%	2,273	2,273	0	0.0%
87.7%	2,222	2,222	0	0.0%
88.9%	2,207	2,138	-69	-3.1%
90.1%	2,138	2,032	-105	-4.9%
91.4%	2,032	2,020	-12	-0.6%
92.6%	1,982	1,982	0	0.0%
93.8%	1,968	1,977	9	0.5%
95.1%	1,832	1,967	135	7.4%
96.3%	1,785	1,832	46	2.6%
97.5%	1,739	1,785	46	2.7%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,953	0	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,116	-2	0.0%
3.7%	33,152	33,931	779	2.3%
4.9%	27,878	27,387	-491	-1.8%
6.2%	27,382	25,821	-1,561	-5.7%
7.4%	24,884	24,881	-4	0.0%
8.6%	20,294	20,292	-2	0.0%
9.9%	20,193	20,189	-4	0.0%
11.1%	18,307	18,442	135	0.7%
12.3%	17,849	18,208	360	2.0%
13.6%	17,403	17,843	440	2.5%
14.8%	17,110	17,109	-2	0.0%
16.0%	16,929	16,927	-2	0.0%
17.3%	16,374	16,381	7	0.0%
18.5%	15,503	15,481	-22	-0.1%
19.8%	14,997	14,993	-4	0.0%
21.0%	12,938	13,453	515	4.0%
22.2%	12,823	12,939	117	0.9%
23.5%	12,150	12,835	685	5.6%
24.7%	11,145	12,147	1,002	9.0%
25.9%	11,077	11,077	0	0.0%
27.2%	10,941	10,941	0	0.0%
28.4%	10,805	10,807	2	0.0%
29.6%	10,202	10,252	50	0.5%
30.9%	10,111	10,111	0	0.0%
32.1%	9,754	10,099	345	3.5%
33.3%	9,089	9,753	664	7.3%
34.6%	9,001	9,718	717	8.0%
35.8%	8,873	9,715	842	9.5%
37.0%	8,861	9,098	238	2.7%
38.3%	8,617	8,838	221	2.6%
39.5%	8,560	8,610	51	0.6%
40.7%	8,248	8,098	-150	-1.8%
42.0%	8,040	8,019	-21	-0.3%
43.2%	7,886	7,870	-15	-0.2%
44.4%	7,880	7,758	-122	-1.5%
45.7%	6,870	6,863	-7	-0.1%
46.9%	6,851	6,853	2	0.0%
48.1%	6,763	6,763	0	0.0%
49.4%	6,076	6,204	129	2.1%
50.6%	5,904	5,588	-316	-5.4%
51.9%	5,583	4,465	-1,118	-20.0%
53.1%	5,349	4,040	-1,308	-24.5%
54.3%	4,347	3,874	-473	-10.9%
55.6%	3,803	3,856	53	1.4%
56.8%	3,796	3,803	6	0.2%
58.0%	3,778	3,796	19	0.5%
59.3%	3,608	3,778	169	4.7%
60.5%	3,586	3,657	71	2.0%
61.7%	3,574	3,586	12	0.3%
63.0%	3,401	3,574	173	5.1%
64.2%	3,259	3,469	210	6.5%
65.4%	3,183	3,372	189	5.9%
66.7%	3,179	3,251	72	2.3%
67.9%	3,158	3,240	81	2.6%
69.1%	3,021	3,183	162	5.4%
70.4%	2,968	3,134	166	5.6%
71.6%	2,863	3,021	157	5.5%
72.8%	2,809	2,933	124	4.4%
74.1%	2,790	2,863	74	2.6%
75.3%	2,755	2,809	54	2.0%
76.5%	2,748	2,790	42	1.5%
77.8%	2,746	2,720	-25	-0.9%
79.0%	2,720	2,718	-2	-0.1%
80.2%	2,718	2,680	-38	-1.4%
81.5%	2,668	2,668	0	0.0%
82.7%	2,583	2,590	6	0.2%
84.0%	2,496	2,583	88	3.5%
85.2%	2,487	2,487	0	0.0%
86.4%	2,331	2,331	0	0.0%
87.7%	2,179	2,179	0	0.0%
88.9%	2,168	2,168	0	0.0%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,096	72	3.5%
92.6%	1,886	1,983	97	5.1%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,830	2	0.1%
96.3%	1,747	1,747	0	0.0%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,657	0	0.0%
100.0%	1,558	1,558	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,256	2	0.0%
3.7%	18,447	18,446	0	0.0%
4.9%	18,372	18,361	-11	-0.1%
6.2%	15,100	15,095	-5	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	-1	0.0%
9.9%	13,327	13,327	0	0.0%
11.1%	12,224	12,222	-2	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,093	20	0.2%
14.8%	10,588	10,595	7	0.1%
16.0%	10,251	10,250	-1	0.0%
17.3%	9,552	9,552	0	0.0%
18.5%	8,543	8,541	-2	0.0%
19.8%	8,226	8,225	-1	0.0%
21.0%	8,065	8,064	-1	0.0%
22.2%	7,643	7,641	-2	0.0%
23.5%	7,360	7,473	113	1.5%
24.7%	6,549	6,552	3	0.0%
25.9%	6,363	6,363	1	0.0%
27.2%	5,591	5,592	1	0.0%
28.4%	5,199	5,199	0	0.0%
29.6%	5,119	5,119	0	0.0%
30.9%	5,012	5,012	0	0.0%
32.1%	4,894	4,894	0	0.0%
33.3%	4,767	4,769	2	0.0%
34.6%	4,703	4,703	0	0.0%
35.8%	4,684	4,684	0	0.0%
37.0%	4,367	3,894	-473	-10.8%
38.3%	3,894	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-0.1%
40.7%	3,796	3,762	-35	-0.9%
42.0%	3,793	3,751	-42	-1.1%
43.2%	3,762	3,721	-40	-1.1%
44.4%	3,751	3,651	-100	-2.7%
45.7%	3,721	3,590	-131	-3.5%
46.9%	3,651	3,561	-89	-2.4%
48.1%	3,590	3,529	-61	-1.7%
49.4%	3,561	3,485	-76	-2.1%
50.6%	3,531	3,426	-105	-3.0%
51.9%	3,426	3,401	-25	-0.7%
53.1%	3,316	3,315	-1	0.0%
54.3%	3,302	3,302	0	0.0%
55.6%	3,273	3,273	0	0.0%
56.8%	3,205	3,205	0	0.0%
58.0%	3,204	3,204	0	0.0%
59.3%	3,179	2,885	-294	-9.3%
60.5%	2,888	2,856	-32	-1.1%
61.7%	2,856	2,812	-44	-1.5%
63.0%	2,813	2,722	-91	-3.2%
64.2%	2,726	2,646	-80	-2.9%
65.4%	2,672	2,635	-37	-1.4%
66.7%	2,646	2,625	-21	-0.8%
67.9%	2,637	2,542	-95	-3.6%
69.1%	2,631	2,519	-112	-4.3%
70.4%	2,544	2,423	-121	-4.7%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,312	-80	-3.4%
74.1%	2,312	2,306	-6	-0.3%
75.3%	2,306	2,285	-21	-0.9%
76.5%	2,274	2,274	0	0.0%
77.8%	2,224	2,067	-157	-7.1%
79.0%	2,067	2,062	-5	-0.2%
80.2%	2,062	2,033	-29	-1.4%
81.5%	2,047	2,019	-28	-1.4%
82.7%	2,019	1,967	-52	-2.6%
84.0%	2,015	1,946	-68	-3.4%
85.2%	1,969	1,822	-146	-7.4%
86.4%	1,822	1,822	0	0.0%
87.7%	1,822	1,804	-18	-1.0%
88.9%	1,819	1,735	-84	-4.6%
90.1%	1,804	1,706	-98	-5.5%
91.4%	1,735	1,689	-46	-2.6%
92.6%	1,693	1,580	-113	-6.7%
93.8%	1,580	1,575	-5	-0.3%
95.1%	1,575	1,571	-4	-0.3%
96.3%	1,571	1,484	-87	-5.5%
97.5%	1,371	1,205	-166	-12.1%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,170	-35	-2.9%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,481	-3	0.0%
1.2%	28,210	28,209	0	0.0%
2.5%	26,842	26,845	3	0.0%
3.7%	25,620	25,621	2	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,775	-3	0.0%
8.6%	18,616	18,650	35	0.2%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,613	3	0.0%
13.6%	13,834	13,829	-5	0.0%
14.8%	13,531	13,528	-3	0.0%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,278	-2	0.0%
18.5%	11,938	11,943	5	0.0%
19.8%	10,776	10,768	-8	-0.1%
21.0%	9,895	9,893	-1	0.0%
22.2%	9,071	9,070	-1	0.0%
23.5%	9,042	9,053	11	0.1%
24.7%	6,460	7,053	593	9.2%
25.9%	5,978	6,457	478	8.0%
27.2%	5,521	5,522	0	0.0%
28.4%	5,382	5,379	-3	-0.1%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,108	0	0.0%
33.3%	4,028	4,017	-10	-0.3%
34.6%	4,017	3,842	-176	-4.4%
35.8%	3,910	3,800	-109	-2.8%
37.0%	3,842	3,740	-101	-2.6%
38.3%	3,805	3,711	-94	-2.5%
39.5%	3,744	3,644	-100	-2.7%
40.7%	3,644	3,604	-40	-1.1%
42.0%	3,604	3,560	-44	-1.2%
43.2%	3,560	3,537	-23	-0.7%
44.4%	3,542	3,518	-25	-0.7%
45.7%	3,518	3,506	-12	-0.3%
46.9%	3,453	3,453	0	0.0%
48.1%	3,382	3,382	0	0.0%
49.4%	3,301	3,301	0	0.0%
50.6%	3,289	3,243	-46	-1.4%
51.9%	3,258	3,088	-169	-5.2%
53.1%	3,243	3,069	-173	-5.3%
54.3%	3,148	3,041	-107	-3.4%
55.6%	3,090	3,036	-53	-1.7%
56.8%	3,069	3,036	-33	-1.1%
58.0%	3,041	3,033	-8	-0.3%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,033	-3	-0.1%
61.7%	3,033	3,024	-9	-0.3%
63.0%	3,033	2,771	-262	-8.7%
64.2%	3,033	2,765	-268	-8.8%
65.4%	3,024	2,694	-330	-10.9%
66.7%	2,914	2,602	-312	-10.7%
67.9%	2,867	2,584	-284	-9.9%
69.1%	2,791	2,550	-241	-8.6%
70.4%	2,771	2,450	-321	-11.6%
71.6%	2,553	2,387	-166	-6.5%
72.8%	2,471	2,254	-217	-8.8%
74.1%	2,457	2,209	-248	-10.1%
75.3%	2,388	2,171	-217	-9.1%
76.5%	2,340	2,105	-235	-10.0%
77.8%	2,331	2,068	-262	-11.3%
79.0%	2,272	2,031	-241	-10.6%
80.2%	2,257	2,030	-227	-10.1%
81.5%	2,210	2,029	-181	-8.2%
82.7%	2,116	2,026	-90	-4.3%
84.0%	2,072	2,021	-51	-2.5%
85.2%	2,030	2,019	-11	-0.5%
86.4%	2,026	2,012	-14	-0.7%
87.7%	2,021	2,010	-11	-0.5%
88.9%	2,012	1,916	-96	-4.8%
90.1%	1,916	1,802	-114	-5.9%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,725	-53	-3.0%
93.8%	1,732	1,649	-83	-4.8%
95.1%	1,722	1,537	-184	-10.7%
96.3%	1,651	1,515	-136	-8.2%
97.5%	1,537	1,287	-251	-16.3%
98.8%	1,515	1,240	-275	-18.2%
100.0%	1,294	1,219	-74	-5.7%

Table SW-46-7b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,561	18,556	-5	0.0%
2.5%	18,222	18,222	-1	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,045	5	0.0%
6.2%	14,993	15,219	226	1.5%
7.4%	14,846	14,850	5	0.0%
8.6%	11,675	12,139	464	4.0%
9.9%	11,118	11,611	493	4.4%
11.1%	10,824	11,280	457	4.2%
12.3%	9,851	10,343	492	5.0%
13.6%	9,592	9,800	208	2.2%
14.8%	8,013	8,480	467	5.8%
16.0%	7,914	8,389	475	6.0%
17.3%	7,548	7,548	0	0.0%
18.5%	7,537	7,535	-2	0.0%
19.8%	6,889	6,882	-8	-0.1%
21.0%	6,882	6,721	-160	-2.3%
22.2%	6,350	6,406	56	0.9%
23.5%	6,347	6,088	-260	-4.1%
24.7%	6,003	5,995	-8	-0.1%
25.9%	5,976	5,743	-233	-3.9%
27.2%	5,746	5,610	-136	-2.4%
28.4%	5,710	5,609	-101	-1.8%
29.6%	5,647	5,578	-69	-1.2%
30.9%	5,552	5,537	-15	-0.3%
32.1%	5,406	5,524	118	2.2%
33.3%	5,398	5,514	116	2.1%
34.6%	5,172	5,445	273	5.3%
35.8%	5,087	5,340	253	5.0%
37.0%	5,054	5,226	173	3.4%
38.3%	4,821	5,172	352	7.3%
39.5%	4,804	5,154	350	7.3%
40.7%	4,799	5,097	298	6.2%
42.0%	4,774	5,091	317	6.6%
43.2%	4,758	5,081	323	6.8%
44.4%	4,623	5,066	443	9.6%
45.7%	4,617	4,980	363	7.9%
46.9%	4,606	4,956	350	7.6%
48.1%	4,586	4,897	312	6.8%
49.4%	4,549	4,875	326	7.2%
50.6%	4,531	4,810	278	6.1%
51.9%	4,502	4,809	308	6.8%
53.1%	4,477	4,753	275	6.1%
54.3%	4,419	4,620	201	4.5%
55.6%	4,392	4,491	99	2.2%
56.8%	4,326	4,424	98	2.3%
58.0%	4,324	4,393	68	1.6%
59.3%	4,309	4,389	80	1.9%
60.5%	4,298	4,380	82	1.9%
61.7%	4,208	4,349	140	3.3%
63.0%	4,158	4,299	141	3.4%
64.2%	4,003	4,294	291	7.3%
65.4%	3,969	4,281	312	7.9%
66.7%	3,855	4,276	421	10.9%
67.9%	3,849	4,222	373	9.7%
69.1%	3,822	4,185	363	9.5%
70.4%	3,780	4,050	271	7.2%
71.6%	3,740	4,018	278	7.4%
72.8%	3,735	3,994	259	6.9%
74.1%	3,727	3,970	243	6.5%
75.3%	3,722	3,903	182	4.9%
76.5%	3,704	3,753	49	1.3%
77.8%	3,575	3,682	107	3.0%
79.0%	3,571	3,660	89	2.5%
80.2%	3,560	3,516	-44	-1.2%
81.5%	3,559	3,502	-57	-1.6%
82.7%	3,516	3,429	-86	-2.5%
84.0%	3,510	3,425	-86	-2.4%
85.2%	3,377	3,340	-37	-1.1%
86.4%	3,325	3,338	13	0.4%
87.7%	3,090	2,989	-101	-3.3%
88.9%	2,910	2,914	4	0.1%
90.1%	2,897	2,893	-4	-0.2%
91.4%	2,885	2,875	-10	-0.4%
92.6%	2,880	2,853	-26	-0.9%
93.8%	2,865	2,799	-66	-2.3%
95.1%	2,751	2,644	-108	-3.9%
96.3%	2,603	2,582	-21	-0.8%
97.5%	2,235	2,430	194	8.7%
98.8%	2,167	2,381	214	9.9%
100.0%	1,560	2,145	586	37.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,030	-35	-0.3%
1.2%	11,939	11,915	-25	-0.2%
2.5%	11,282	11,282	-1	0.0%
3.7%	11,127	11,173	46	0.4%
4.9%	11,123	11,080	-43	-0.4%
6.2%	10,994	10,993	-1	0.0%
7.4%	10,984	10,983	-2	0.0%
8.6%	10,915	10,738	-177	-1.6%
9.9%	10,785	10,714	-71	-0.7%
11.1%	10,677	10,677	1	0.0%
12.3%	10,675	10,677	2	0.0%
13.6%	10,672	10,672	-1	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,670	-1	0.0%
17.3%	10,671	10,486	-185	-1.7%
18.5%	10,615	10,480	-136	-1.3%
19.8%	10,581	10,473	-109	-1.0%
21.0%	10,558	10,472	-86	-0.8%
22.2%	10,491	10,451	-40	-0.4%
23.5%	10,475	10,380	-95	-0.9%
24.7%	10,424	10,376	-48	-0.5%
25.9%	10,271	10,346	75	0.7%
27.2%	10,263	10,326	63	0.6%
28.4%	10,083	10,207	123	1.2%
29.6%	10,079	10,086	7	0.1%
30.9%	9,973	9,985	13	0.1%
32.1%	9,922	9,823	-99	-1.0%
33.3%	9,786	9,763	-23	-0.2%
34.6%	9,686	9,749	63	0.7%
35.8%	9,605	9,656	51	0.5%
37.0%	9,561	9,494	-67	-0.7%
38.3%	9,521	9,432	-90	-0.9%
39.5%	9,503	9,366	-137	-1.4%
40.7%	9,497	9,336	-161	-1.7%
42.0%	9,443	9,319	-124	-1.3%
43.2%	9,363	9,294	-69	-0.7%
44.4%	9,348	9,292	-56	-0.6%
45.7%	9,339	9,288	-51	-0.5%
46.9%	9,314	9,274	-39	-0.4%
48.1%	9,312	9,263	-49	-0.5%
49.4%	9,296	9,245	-51	-0.6%
50.6%	9,265	9,210	-55	-0.6%
51.9%	9,243	9,159	-84	-0.9%
53.1%	9,242	9,154	-88	-1.0%
54.3%	9,202	9,137	-64	-0.7%
55.6%	9,188	9,124	-64	-0.7%
56.8%	9,184	8,982	-201	-2.2%
58.0%	9,141	8,937	-205	-2.2%
59.3%	9,130	8,910	-220	-2.4%
60.5%	9,094	8,811	-283	-3.1%
61.7%	9,041	8,795	-246	-2.7%
63.0%	9,006	8,655	-351	-3.9%
64.2%	8,957	8,595	-362	-4.0%
65.4%	8,867	8,541	-326	-3.7%
66.7%	8,800	8,524	-275	-3.1%
67.9%	8,787	8,302	-485	-5.5%
69.1%	8,773	8,174	-599	-6.8%
70.4%	8,651	8,105	-545	-6.3%
71.6%	8,458	8,069	-390	-4.6%
72.8%	8,272	7,841	-431	-5.2%
74.1%	7,965	7,577	-388	-4.9%
75.3%	7,878	7,555	-323	-4.1%
76.5%	7,786	7,517	-269	-3.5%
77.8%	7,727	7,424	-303	-3.9%
79.0%	7,480	7,419	-61	-0.8%
80.2%	7,281	7,352	72	1.0%
81.5%	6,964	7,224	260	3.7%
82.7%	6,828	7,001	173	2.5%
84.0%	6,244	6,763	519	8.3%
85.2%	5,797	6,675	878	15.1%
86.4%	5,785	6,503	718	12.4%
87.7%	5,752	6,408	657	11.4%
88.9%	5,707	6,366	659	11.6%
90.1%	5,434	5,839	405	7.5%
91.4%	5,387	5,815	428	7.9%
92.6%	5,344	5,652	308	5.8%
93.8%	5,218	5,427	209	4.0%
95.1%	5,102	5,408	306	6.0%
96.3%	4,447	4,844	397	8.9%
97.5%	2,541	4,472	1,931	76.0%
98.8%	1,651	1,798	146	8.9%
100.0%	1,566	1,561	-5	-0.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,180	148	1.6%
1.2%	8,979	9,110	131	1.5%
2.5%	8,792	9,025	232	2.6%
3.7%	8,780	9,020	240	2.7%
4.9%	8,596	8,798	201	2.3%
6.2%	8,541	8,631	90	1.1%
7.4%	8,378	8,592	213	2.5%
8.6%	8,370	8,570	200	2.4%
9.9%	8,353	8,561	207	2.5%
11.1%	8,320	8,555	235	2.8%
12.3%	8,223	8,504	280	3.4%
13.6%	8,201	8,465	264	3.2%
14.8%	8,139	8,393	254	3.1%
16.0%	8,032	8,388	356	4.4%
17.3%	7,997	8,363	365	4.6%
18.5%	7,959	8,279	320	4.0%
19.8%	7,852	8,199	347	4.4%
21.0%	7,841	8,188	347	4.4%
22.2%	7,792	8,147	355	4.6%
23.5%	7,777	8,010	233	3.0%
24.7%	7,731	7,830	99	1.3%
25.9%	7,718	7,744	27	0.3%
27.2%	7,672	7,728	56	0.7%
28.4%	7,642	7,669	26	0.3%
29.6%	7,632	7,640	7	0.1%
30.9%	7,607	7,614	6	0.1%
32.1%	7,594	7,574	-20	-0.3%
33.3%	7,549	7,571	22	0.3%
34.6%	7,524	7,501	-24	-0.3%
35.8%	7,518	7,493	-25	-0.3%
37.0%	7,433	7,451	18	0.2%
38.3%	7,400	7,345	-56	-0.8%
39.5%	7,396	7,323	-73	-1.0%
40.7%	7,359	7,117	-242	-3.3%
42.0%	7,356	6,887	-469	-6.4%
43.2%	7,271	6,732	-538	-7.4%
44.4%	7,137	6,656	-480	-6.7%
45.7%	7,120	6,512	-608	-8.5%
46.9%	7,081	6,474	-606	-8.6%
48.1%	6,993	6,335	-658	-9.4%
49.4%	6,984	6,168	-816	-11.7%
50.6%	6,983	6,049	-934	-13.4%
51.9%	6,895	5,998	-897	-13.0%
53.1%	6,881	5,973	-908	-13.2%
54.3%	6,844	5,903	-941	-13.7%
55.6%	6,604	5,814	-789	-12.0%
56.8%	6,586	5,751	-835	-12.7%
58.0%	6,525	5,741	-784	-12.0%
59.3%	6,357	5,572	-786	-12.4%
60.5%	6,252	5,545	-707	-11.3%
61.7%	5,941	5,502	-440	-7.4%
63.0%	5,924	5,417	-507	-8.6%
64.2%	5,741	5,406	-335	-5.8%
65.4%	5,376	5,254	-122	-2.3%
66.7%	5,273	5,230	-43	-0.8%
67.9%	4,836	5,111	275	5.7%
69.1%	4,788	4,950	163	3.4%
70.4%	4,658	4,849	191	4.1%
71.6%	4,376	4,780	404	9.2%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,687	591	14.4%
75.3%	3,985	4,685	701	17.6%
76.5%	3,716	4,672	955	25.7%
77.8%	3,493	4,544	1,051	30.1%
79.0%	3,490	4,193	703	20.1%
80.2%	3,278	4,112	834	25.4%
81.5%	3,158	4,091	933	29.5%
82.7%	3,123	4,072	949	30.4%
84.0%	2,918	3,951	1,034	35.4%
85.2%	2,675	3,897	1,222	45.7%
86.4%	2,572	3,878	1,306	50.8%
87.7%	2,488	3,540	1,052	42.3%
88.9%	2,266	2,993	727	32.1%
90.1%	2,188	2,392	204	9.3%
91.4%	1,827	1,548	-280	-15.3%
92.6%	1,814	1,533	-281	-15.5%
93.8%	1,553	1,503	-50	-3.2%
95.1%	1,548	1,372	-176	-11.3%
96.3%	1,512	1,326	-185	-12.3%
97.5%	1,402	1,269	-133	-9.5%
98.8%	1,390	1,108	-282	-20.3%
100.0%	1,386	1,018	-368	-26.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,813	47	0.4%
1.2%	10,720	10,765	45	0.4%
2.5%	10,720	10,746	26	0.2%
3.7%	10,704	10,722	18	0.2%
4.9%	10,653	10,670	17	0.2%
6.2%	10,646	10,642	-4	0.0%
7.4%	10,639	10,620	-19	-0.2%
8.6%	10,582	10,428	-154	-1.5%
9.9%	10,461	10,407	-54	-0.5%
11.1%	10,405	10,391	-14	-0.1%
12.3%	10,248	10,235	-13	-0.1%
13.6%	10,149	10,215	66	0.7%
14.8%	10,091	10,096	5	0.1%
16.0%	10,067	10,075	8	0.1%
17.3%	9,995	10,002	8	0.1%
18.5%	9,971	9,756	-215	-2.2%
19.8%	9,494	9,581	86	0.9%
21.0%	8,961	9,572	611	6.8%
22.2%	8,611	9,442	831	9.6%
23.5%	8,555	9,262	708	8.3%
24.7%	8,441	9,151	710	8.4%
25.9%	8,421	8,993	572	6.8%
27.2%	8,325	8,858	533	6.4%
28.4%	8,229	8,579	350	4.3%
29.6%	7,965	8,547	582	7.3%
30.9%	7,887	8,289	403	5.1%
32.1%	7,812	7,922	111	1.4%
33.3%	7,541	7,910	369	4.9%
34.6%	7,386	7,851	465	6.3%
35.8%	7,313	7,625	312	4.3%
37.0%	7,297	7,586	289	4.0%
38.3%	7,227	7,549	321	4.4%
39.5%	6,253	7,459	1,206	19.3%
40.7%	6,022	6,724	702	11.7%
42.0%	5,460	6,044	584	10.7%
43.2%	5,433	5,738	305	5.6%
44.4%	5,425	5,077	-348	-6.4%
45.7%	5,398	4,963	-435	-8.1%
46.9%	4,054	4,870	816	20.1%
48.1%	3,986	4,834	848	21.3%
49.4%	3,857	4,808	952	24.7%
50.6%	3,796	4,753	957	25.2%
51.9%	3,793	4,675	882	23.3%
53.1%	3,747	4,644	897	23.9%
54.3%	3,688	4,483	795	21.6%
55.6%	3,636	4,432	796	21.9%
56.8%	3,617	4,146	529	14.6%
58.0%	3,617	3,935	318	8.8%
59.3%	3,465	3,713	247	7.1%
60.5%	3,372	3,655	283	8.4%
61.7%	3,324	3,635	311	9.4%
63.0%	3,238	3,633	395	12.2%
64.2%	3,202	3,565	363	11.3%
65.4%	3,123	3,528	404	12.9%
66.7%	3,084	3,420	337	10.9%
67.9%	3,071	3,287	216	7.0%
69.1%	3,066	3,237	171	5.6%
70.4%	3,015	3,204	189	6.3%
71.6%	2,748	3,176	428	15.6%
72.8%	2,664	3,096	432	16.2%
74.1%	2,639	3,051	411	15.6%
75.3%	2,570	2,829	259	10.1%
76.5%	2,501	2,626	126	5.0%
77.8%	2,286	2,595	309	13.5%
79.0%	2,259	2,537	278	12.3%
80.2%	2,145	2,336	191	8.9%
81.5%	1,978	2,318	341	17.2%
82.7%	1,864	2,259	395	21.2%
84.0%	1,771	2,213	442	24.9%
85.2%	1,657	2,146	489	29.5%
86.4%	1,568	1,793	225	14.3%
87.7%	1,534	1,653	119	7.8%
88.9%	1,523	1,601	77	5.1%
90.1%	1,486	1,564	77	5.2%
91.4%	1,472	1,549	77	5.2%
92.6%	1,430	1,422	-8	-0.6%
93.8%	1,396	1,420	24	1.7%
95.1%	1,311	1,394	84	6.4%
96.3%	1,266	1,384	117	9.3%
97.5%	1,257	1,267	10	0.8%
98.8%	1,242	1,226	-16	-1.3%
100.0%	1,130	1,190	60	5.3%

Table SW-47-7a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative C	1,441	2,714	3,254	4,314	4,956	3,606	3,100	3,239	3,155	3,041	2,269	2,447
Difference	88	62	66	22	-14	35	49	16	-80	-306	34	-25
Percent Difference[3]	6.5%	2.3%	2.1%	0.5%	-0.3%	1.0%	1.6%	0.5%	-2.5%	-9.1%	1.5%	-1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative C	1,704	3,937	3,532	8,607	8,979	5,914	4,996	5,711	5,483	3,245	3,168	3,756
Difference	235	129	12	53	-9	-1	0	0	21	-335	175	-318
Percent Difference	16.0%	3.4%	0.3%	0.6%	-0.1%	0.0%	0.0%	0.0%	0.4%	-9.4%	5.8%	-7.8%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative C	1,391	2,754	2,966	4,628	6,130	5,265	3,232	3,409	2,894	3,889	2,346	2,724
Difference	14	103	133	153	-5	46	-6	-3	-64	-232	-9	-152
Percent Difference	1.0%	3.9%	4.7%	3.4%	-0.1%	0.9%	-0.2%	-0.1%	-2.2%	-5.6%	-0.4%	-5.3%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative C	1,538	3,345	3,947	2,223	3,959	2,265	2,920	2,610	2,300	3,708	2,064	2,428
Difference	15	83	55	34	-105	-7	137	54	-49	-839	-53	572
Percent Difference	1.0%	2.5%	1.4%	1.6%	-2.6%	-0.3%	4.9%	2.1%	-2.1%	-18.4%	-2.5%	30.8%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative C	1,406	1,659	4,104	1,503	1,713	2,001	1,691	1,507	1,958	2,858	1,876	1,425
Difference	105	-28	152	-120	31	82	-6	25	-137	-113	-168	34
Percent Difference	8.1%	-1.6%	3.8%	-7.4%	1.8%	4.3%	-0.3%	1.7%	-6.5%	-3.8%	-8.2%	2.4%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative C	861	873	859	1,355	1,092	919	1,184	1,042	1,167	1,250	1,073	886
Difference	-99	-15	2	22	6	84	191	12	-267	15	179	-50
Percent Difference	-10.3%	-1.7%	0.2%	1.7%	0.6%	10.1%	19.2%	1.1%	-18.6%	1.2%	20.0%	-5.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-47-7b
American River at Mouth, Monthly Flow
Probability of Exceedance

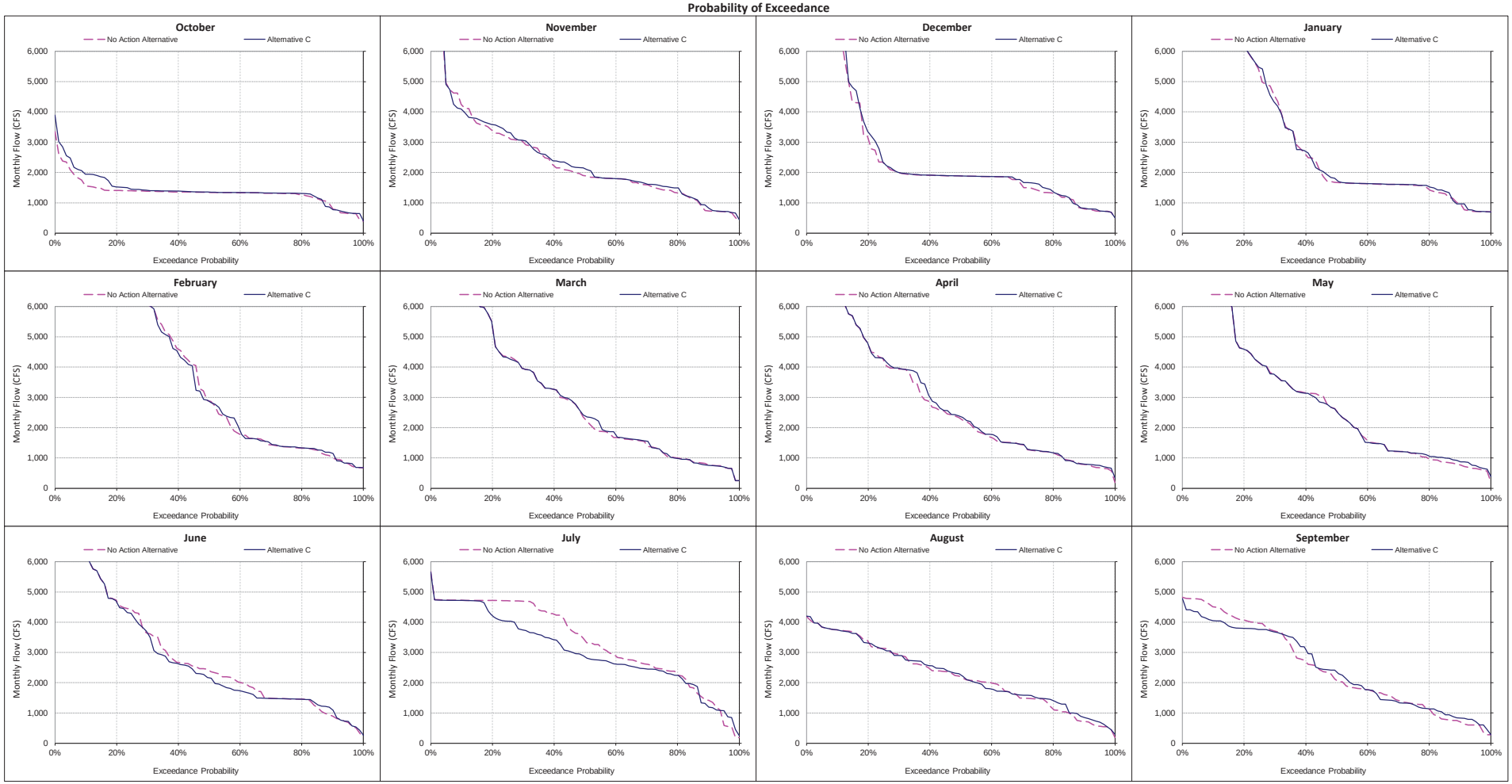

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,897	544	16.2%
1.2%	2,603	3,019	416	16.0%
2.5%	2,376	2,848	471	19.8%
3.7%	2,348	2,555	207	8.8%
4.9%	2,096	2,478	382	18.2%
6.2%	1,936	2,166	230	11.9%
7.4%	1,824	2,103	278	15.3%
8.6%	1,750	2,058	307	17.5%
9.9%	1,554	1,948	393	25.3%
11.1%	1,543	1,946	403	26.1%
12.3%	1,526	1,936	410	26.9%
13.6%	1,492	1,905	413	27.7%
14.8%	1,482	1,856	373	25.2%
16.0%	1,412	1,832	420	29.7%
17.3%	1,409	1,735	327	23.2%
18.5%	1,408	1,552	143	10.2%
19.8%	1,406	1,526	120	8.5%
21.0%	1,403	1,518	116	8.2%
22.2%	1,403	1,507	105	7.5%
23.5%	1,399	1,503	104	7.5%
24.7%	1,397	1,447	51	3.6%
25.9%	1,394	1,442	48	3.4%
27.2%	1,393	1,442	49	3.5%
28.4%	1,387	1,424	36	2.6%
29.6%	1,386	1,413	27	2.0%
30.9%	1,382	1,400	18	1.3%
32.1%	1,378	1,399	21	1.5%
33.3%	1,378	1,397	19	1.4%
34.6%	1,377	1,394	18	1.3%
35.8%	1,374	1,393	19	1.4%
37.0%	1,363	1,392	29	2.1%
38.3%	1,359	1,390	30	2.2%
39.5%	1,357	1,386	29	2.1%
40.7%	1,357	1,385	27	2.0%
42.0%	1,357	1,379	23	1.7%
43.2%	1,356	1,376	20	1.5%
44.4%	1,353	1,361	7	0.5%
45.7%	1,350	1,357	7	0.5%
46.9%	1,348	1,356	9	0.6%
48.1%	1,345	1,356	11	0.8%
49.4%	1,344	1,355	11	0.8%
50.6%	1,342	1,350	9	0.6%
51.9%	1,341	1,348	7	0.5%
53.1%	1,341	1,342	2	0.1%
54.3%	1,340	1,342	2	0.1%
55.6%	1,340	1,341	1	0.1%
56.8%	1,337	1,340	3	0.2%
58.0%	1,336	1,338	2	0.1%
59.3%	1,335	1,338	2	0.2%
60.5%	1,335	1,337	2	0.1%
61.7%	1,334	1,336	3	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,335	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,329	3	0.2%
67.9%	1,317	1,328	11	0.8%
69.1%	1,316	1,327	10	0.8%
70.4%	1,316	1,325	10	0.8%
71.6%	1,314	1,324	10	0.8%
72.8%	1,313	1,322	9	0.7%
74.1%	1,307	1,316	9	0.7%
75.3%	1,307	1,316	9	0.7%
76.5%	1,306	1,315	9	0.7%
77.8%	1,305	1,314	9	0.7%
79.0%	1,271	1,313	42	3.3%
80.2%	1,267	1,305	38	3.0%
81.5%	1,231	1,304	73	5.9%
82.7%	1,210	1,294	84	6.9%
84.0%	1,166	1,225	59	5.1%
85.2%	1,128	1,160	32	2.8%
86.4%	1,082	1,113	31	2.9%
87.7%	1,053	880	-173	-16.4%
88.9%	969	861	-108	-11.2%
90.1%	784	771	-13	-1.6%
91.4%	771	763	-8	-1.1%
92.6%	673	733	60	8.9%
93.8%	663	692	29	4.4%
95.1%	644	673	29	4.5%
96.3%	643	651	8	1.3%
97.5%	641	644	3	0.5%
98.8%	433	643	210	48.7%
100.0%	393	393	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,312	530	7.8%
4.9%	4,957	4,905	-52	-1.0%
6.2%	4,731	4,741	10	0.2%
7.4%	4,628	4,258	-369	-8.0%
8.6%	4,621	4,127	-493	-10.7%
9.9%	4,251	4,093	-157	-3.7%
11.1%	4,110	3,974	-136	-3.3%
12.3%	4,109	3,821	-288	-7.0%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,788	151	4.2%
16.0%	3,582	3,731	149	4.2%
17.3%	3,566	3,665	100	2.8%
18.5%	3,506	3,627	122	3.5%
19.8%	3,401	3,589	188	5.5%
21.0%	3,298	3,573	274	8.3%
22.2%	3,295	3,506	211	6.4%
23.5%	3,235	3,448	213	6.6%
24.7%	3,202	3,336	133	4.2%
25.9%	3,101	3,311	210	6.8%
27.2%	3,085	3,139	54	1.8%
28.4%	3,069	3,073	4	0.1%
29.6%	3,039	3,065	26	0.9%
30.9%	2,917	3,045	128	4.4%
32.1%	2,877	2,909	32	1.1%
33.3%	2,829	2,761	-69	-2.4%
34.6%	2,803	2,664	-139	-5.0%
35.8%	2,613	2,613	0	0.0%
37.0%	2,488	2,597	109	4.4%
38.3%	2,450	2,498	48	2.0%
39.5%	2,263	2,386	122	5.4%
40.7%	2,152	2,376	224	10.4%
42.0%	2,151	2,349	199	9.2%
43.2%	2,091	2,346	255	12.2%
44.4%	2,079	2,275	197	9.5%
45.7%	2,040	2,191	151	7.4%
46.9%	1,983	2,166	183	9.2%
48.1%	1,968	2,159	190	9.7%
49.4%	1,904	2,155	251	13.2%
50.6%	1,884	2,091	208	11.0%
51.9%	1,847	2,054	207	11.2%
53.1%	1,840	1,853	14	0.7%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,814	-11	-0.6%
56.8%	1,813	1,813	0	0.0%
58.0%	1,808	1,806	-2	-0.1%
59.3%	1,796	1,804	8	0.4%
60.5%	1,791	1,794	2	0.1%
61.7%	1,790	1,791	1	0.1%
63.0%	1,776	1,776	0	0.0%
64.2%	1,757	1,757	0	0.0%
65.4%	1,667	1,728	61	3.7%
66.7%	1,666	1,700	35	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,608	20	1.3%
71.6%	1,530	1,608	79	5.1%
72.8%	1,488	1,600	112	7.5%
74.1%	1,460	1,575	115	7.9%
75.3%	1,423	1,540	117	8.2%
76.5%	1,421	1,535	113	8.0%
77.8%	1,404	1,511	107	7.6%
79.0%	1,340	1,488	148	11.0%
80.2%	1,324	1,488	164	12.4%
81.5%	1,311	1,291	-20	-1.5%
82.7%	1,240	1,234	-6	-0.5%
84.0%	1,162	1,201	38	3.3%
85.2%	1,137	1,147	10	0.9%
86.4%	1,061	1,099	38	3.5%
87.7%	894	938	44	4.9%
88.9%	748	926	178	23.8%
90.1%	725	823	98	13.5%
91.4%	722	749	26	3.6%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	708	27	3.9%
97.5%	672	682	9	1.4%
98.8%	513	666	152	29.6%
100.0%	377	447	70	18.5%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,009	217	1.1%
1.2%	16,520	16,520	0	0.0%
2.5%	15,879	16,220	340	2.1%
3.7%	15,689	15,689	0	0.0%
4.9%	13,769	13,768	0	0.0%
6.2%	12,867	12,633	-234	-1.8%
7.4%	8,949	9,073	124	1.4%
8.6%	8,757	8,743	-13	-0.2%
9.9%	7,132	7,127	-5	-0.1%
11.1%	6,576	6,576	0	0.0%
12.3%	5,740	6,397	657	11.5%
13.6%	5,025	4,995	-30	-0.6%
14.8%	4,349	4,819	469	10.8%
16.0%	4,306	4,703	397	9.2%
17.3%	4,294	4,109	-184	-4.3%
18.5%	3,212	3,671	459	14.3%
19.8%	3,196	3,361	165	5.2%
21.0%	2,781	3,202	421	15.1%
22.2%	2,742	3,029	287	10.5%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,343	1	0.0%
25.9%	2,221	2,221	0	0.0%
27.2%	2,096	2,163	67	3.2%
28.4%	2,059	2,071	12	0.6%
29.6%	2,002	2,014	13	0.6%
30.9%	1,969	1,972	3	0.2%
32.1%	1,950	1,968	18	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,933	11	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,909	-2	-0.1%
42.0%	1,899	1,908	9	0.5%
43.2%	1,897	1,900	3	0.2%
44.4%	1,896	1,899	3	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,894	-2	-0.1%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,884	0	0.0%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,878	0	0.0%
54.3%	1,878	1,877	-1	0.0%
55.6%	1,876	1,872	-5	-0.3%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,869	-3	-0.2%
59.3%	1,870	1,868	-2	-0.1%
60.5%	1,867	1,868	1	0.0%
61.7%	1,858	1,866	7	0.4%
63.0%	1,857	1,859	2	0.1%
64.2%	1,856	1,859	3	0.1%
65.4%	1,846	1,856	10	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,770	3	0.2%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.0%
71.6%	1,500	1,666	166	11.1%
72.8%	1,486	1,661	175	11.8%
74.1%	1,441	1,640	199	13.8%
75.3%	1,400	1,617	217	15.5%
76.5%	1,342	1,511	168	12.6%
77.8%	1,340	1,471	130	9.7%
79.0%	1,333	1,441	108	8.1%
80.2%	1,303	1,336	34	2.6%
81.5%	1,285	1,283	-2	-0.2%
82.7%	1,181	1,240	59	5.0%
84.0%	1,178	1,222	45	3.8%
85.2%	1,132	1,166	33	2.9%
86.4%	1,094	978	-116	-10.6%
87.7%	852	937	85	10.0%
88.9%	829	832	4	0.5%
90.1%	799	818	19	2.3%
91.4%	790	793	4	0.4%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	722	0	0.0%
97.5%	718	708	-10	-1.4%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	31,273	2	0.0%
1.2%	20,335	20,335	0	0.0%
2.5%	17,648	17,633	-16	-0.1%
3.7%	15,531	15,823	292	1.9%
4.9%	14,746	15,528	781	5.3%
6.2%	12,801	12,799	-2	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,744	-1	0.0%
9.9%	10,534	10,650	116	1.1%
11.1%	9,896	9,896	0	0.0%
12.3%	9,298	9,287	-11	-0.1%
13.6%	9,052	9,054	2	0.0%
14.8%	8,927	8,924	-3	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,336	-125	-1.7%
18.5%	6,778	6,546	-233	-3.4%
19.8%	6,640	6,396	-244	-3.7%
21.0%	6,012	6,012	0	0.0%
22.2%	5,818	5,831	13	0.2%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,478	61	1.1%
25.9%	4,982	5,419	437	8.8%
27.2%	4,907	4,889	-18	-0.4%
28.4%	4,861	4,553	-308	-6.3%
29.6%	4,565	4,341	-225	-4.9%
30.9%	4,346	4,191	-155	-3.6%
32.1%	3,937	3,926	-10	-0.3%
33.3%	3,528	3,473	-55	-1.6%
34.6%	3,392	3,433	41	1.2%
35.8%	3,364	3,371	7	0.2%
37.0%	2,907	2,759	-148	-5.1%
38.3%	2,782	2,759	-23	-0.8%
39.5%	2,644	2,724	79	3.0%
40.7%	2,487	2,644	157	6.3%
42.0%	2,482	2,440	-42	-1.7%
43.2%	2,375	2,159	-217	-9.1%
44.4%	2,079	2,086	6	0.3%
45.7%	1,863	2,026	163	8.8%
46.9%	1,712	1,927	215	12.5%
48.1%	1,704	1,835	131	7.7%
49.4%	1,676	1,811	135	8.1%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,639	8	0.5%
59.3%	1,631	1,638	7	0.4%
60.5%	1,627	1,631	4	0.3%
61.7%	1,621	1,629	8	0.5%
63.0%	1,616	1,627	11	0.7%
64.2%	1,612	1,621	10	0.6%
65.4%	1,610	1,616	7	0.4%
66.7%	1,608	1,612	3	0.2%
67.9%	1,608	1,610	2	0.1%
69.1%	1,607	1,608	2	0.1%
70.4%	1,600	1,608	8	0.5%
71.6%	1,599	1,607	8	0.5%
72.8%	1,597	1,600	3	0.2%
74.1%	1,582	1,599	16	1.0%
75.3%	1,574	1,597	23	1.4%
76.5%	1,573	1,574	1	0.1%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,573	55	3.6%
80.2%	1,418	1,518	100	7.0%
81.5%	1,375	1,488	112	8.2%
82.7%	1,340	1,426	85	6.4%
84.0%	1,325	1,424	99	7.5%
85.2%	1,296	1,375	80	6.1%
86.4%	1,173	1,335	162	13.8%
87.7%	1,149	1,073	-76	-6.6%
88.9%	1,016	963	-52	-5.2%
90.1%	973	960	-13	-1.3%
91.4%	774	960	186	24.1%
92.6%	748	774	26	3.5%
93.8%	721	764	43	6.0%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	709	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,213	-14	0.0%
1.2%	15,568	15,563	-5	0.0%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,461	7	0.1%
4.9%	13,388	13,390	2	0.0%
6.2%	13,055	13,039	-16	-0.1%
7.4%	12,559	12,498	-61	-0.5%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,308	-11	-0.1%
11.1%	11,196	11,190	-6	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,514	7	0.1%
14.8%	10,012	10,009	-3	0.0%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,153	-12	-0.1%
21.0%	7,881	7,881	0	0.0%
22.2%	7,868	7,863	-5	-0.1%
23.5%	7,716	7,668	-48	-0.6%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,026	-3	0.0%
27.2%	6,732	6,491	-241	-3.6%
28.4%	6,105	6,105	0	0.0%
29.6%	6,075	6,063	-12	-0.2%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,404	-147	-2.6%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,009	-66	-1.3%
38.3%	4,864	4,620	-244	-5.0%
39.5%	4,621	4,548	-73	-1.6%
40.7%	4,549	4,319	-230	-5.1%
42.0%	4,346	4,234	-112	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,236	-814	-20.1%
46.9%	3,294	3,210	-84	-2.5%
48.1%	3,218	2,933	-285	-8.9%
49.4%	2,895	2,909	15	0.5%
50.6%	2,865	2,826	-38	-1.3%
51.9%	2,723	2,775	52	1.9%
53.1%	2,452	2,673	221	9.0%
54.3%	2,395	2,457	61	2.6%
55.6%	2,347	2,376	29	1.2%
56.8%	2,066	2,335	269	13.0%
58.0%	1,895	2,320	424	22.4%
59.3%	1,814	2,068	255	14.0%
60.5%	1,754	1,775	21	1.2%
61.7%	1,747	1,646	-102	-5.8%
63.0%	1,646	1,642	-4	-0.2%
64.2%	1,642	1,640	-2	-0.1%
65.4%	1,640	1,622	-18	-1.1%
66.7%	1,622	1,565	-58	-3.6%
67.9%	1,556	1,556	-1	0.0%
69.1%	1,442	1,529	87	6.1%
70.4%	1,435	1,442	7	0.5%
71.6%	1,404	1,435	31	2.2%
72.8%	1,393	1,393	0	0.0%
74.1%	1,371	1,377	6	0.5%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,312	38	3.0%
85.2%	1,253	1,269	16	1.3%
86.4%	1,152	1,253	101	8.8%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,152	166	16.8%
91.4%	954	901	-53	-5.6%
92.6%	936	895	-41	-4.4%
93.8%	842	830	-11	-1.3%
95.1%	815	828	12	1.5%
96.3%	731	815	84	11.5%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,571	0	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,447	571	4.8%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,438	2	0.0%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,400	605	7.8%
11.1%	7,547	7,547	0	0.0%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,969	1	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,515	-3	-0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	1	0.0%
23.5%	4,368	4,342	-27	-0.6%
24.7%	4,347	4,323	-24	-0.6%
25.9%	4,330	4,253	-77	-1.8%
27.2%	4,253	4,210	-43	-1.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,905	-4	-0.1%
33.3%	3,831	3,808	-22	-0.6%
34.6%	3,544	3,544	0	0.0%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,305	1	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-1	0.0%
42.0%	2,998	3,063	65	2.2%
43.2%	2,979	2,998	19	0.6%
44.4%	2,924	2,975	51	1.7%
45.7%	2,880	2,889	10	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,419	55	2.3%
50.6%	2,223	2,351	128	5.8%
51.9%	2,080	2,338	258	12.4%
53.1%	1,952	2,297	345	17.7%
54.3%	1,882	2,223	341	18.1%
55.6%	1,872	1,936	64	3.4%
56.8%	1,864	1,883	19	1.0%
58.0%	1,788	1,867	78	4.4%
59.3%	1,678	1,864	186	11.1%
60.5%	1,670	1,680	10	0.6%
61.7%	1,653	1,678	25	1.5%
63.0%	1,624	1,653	28	1.7%
64.2%	1,618	1,631	13	0.8%
65.4%	1,597	1,624	27	1.7%
66.7%	1,591	1,597	6	0.4%
67.9%	1,563	1,591	28	1.8%
69.1%	1,552	1,563	12	0.8%
70.4%	1,383	1,552	169	12.2%
71.6%	1,362	1,341	-21	-1.5%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,173	0	0.0%
76.5%	1,055	1,140	85	8.0%
77.8%	1,035	1,025	-10	-1.0%
79.0%	1,014	994	-19	-1.9%
80.2%	1,000	983	-17	-1.7%
81.5%	974	958	-17	-1.7%
82.7%	969	955	-14	-1.4%
84.0%	932	951	19	2.0%
85.2%	865	835	-30	-3.5%
86.4%	854	831	-23	-2.7%
87.7%	833	792	-41	-4.9%
88.9%	823	771	-52	-6.3%
90.1%	757	753	-5	-0.6%
91.4%	753	743	-10	-1.3%
92.6%	743	738	-5	-0.6%
93.8%	743	727	-15	-2.0%
95.1%	685	701	16	2.3%
96.3%	664	662	-2	-0.3%
97.5%	655	655	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,288	0	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,696	4	0.1%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,315	-146	-3.3%
23.5%	4,336	4,303	-33	-0.8%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,155	114	2.8%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,920	-6	-0.2%
33.3%	3,812	3,906	95	2.5%
34.6%	3,481	3,879	398	11.4%
35.8%	3,466	3,812	346	10.0%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,443	520	17.8%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,877	199	7.4%
42.0%	2,643	2,819	175	6.6%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,441	11	0.4%
48.1%	2,388	2,430	42	1.8%
49.4%	2,339	2,385	46	1.9%
50.6%	2,254	2,339	85	3.8%
51.9%	2,211	2,237	26	1.2%
53.1%	2,114	2,206	92	4.4%
54.3%	1,983	2,035	52	2.6%
55.6%	1,869	1,983	114	6.1%
56.8%	1,823	1,869	46	2.5%
58.0%	1,777	1,783	6	0.3%
59.3%	1,702	1,782	80	4.7%
60.5%	1,646	1,769	124	7.5%
61.7%	1,561	1,702	141	9.0%
63.0%	1,525	1,536	11	0.7%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,492	-11	-0.7%
67.9%	1,492	1,482	-10	-0.7%
69.1%	1,450	1,462	11	0.8%
70.4%	1,427	1,450	23	1.6%
71.6%	1,269	1,287	18	1.4%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,237	19	1.6%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,192	-6	-0.5%
80.2%	1,155	1,168	13	1.2%
81.5%	1,098	1,144	47	4.2%
82.7%	1,054	1,054	0	0.0%
84.0%	948	913	-34	-3.6%
85.2%	919	910	-9	-1.0%
86.4%	899	877	-22	-2.5%
87.7%	850	817	-34	-4.0%
88.9%	798	810	12	1.5%
90.1%	783	797	13	1.7%
91.4%	783	791	8	1.0%
92.6%	720	779	58	8.1%
93.8%	685	762	77	11.3%
95.1%	680	752	72	10.6%
96.3%	654	709	56	8.5%
97.5%	640	686	46	7.2%
98.8%	579	665	86	14.9%
100.0%	188	344	156	82.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,859	-30	-0.6%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,065	2	0.0%
27.2%	4,060	4,027	-33	-0.8%
28.4%	3,817	3,781	-36	-0.9%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,672	16	0.4%
32.1%	3,550	3,550	0	0.0%
33.3%	3,544	3,544	0	0.0%
34.6%	3,397	3,397	0	0.0%
35.8%	3,275	3,275	0	0.0%
37.0%	3,195	3,191	-4	-0.1%
38.3%	3,191	3,157	-34	-1.1%
39.5%	3,160	3,142	-17	-0.6%
40.7%	3,142	3,134	-9	-0.3%
42.0%	3,134	3,060	-74	-2.4%
43.2%	3,121	2,993	-128	-4.1%
44.4%	3,060	2,848	-212	-6.9%
45.7%	3,034	2,825	-209	-6.9%
46.9%	2,760	2,773	12	0.4%
48.1%	2,674	2,672	-1	-0.1%
49.4%	2,626	2,626	0	0.0%
50.6%	2,465	2,465	0	0.0%
51.9%	2,333	2,333	0	0.0%
53.1%	2,254	2,251	-3	-0.1%
54.3%	2,151	2,151	0	0.0%
55.6%	2,011	2,010	-1	-0.1%
56.8%	1,969	1,969	0	0.0%
58.0%	1,750	1,750	0	0.0%
59.3%	1,649	1,518	-131	-7.9%
60.5%	1,518	1,504	-14	-0.9%
61.7%	1,504	1,480	-24	-1.6%
63.0%	1,480	1,473	-7	-0.5%
64.2%	1,473	1,471	-3	-0.2%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,235	1	0.0%
67.9%	1,221	1,228	7	0.5%
69.1%	1,217	1,221	4	0.4%
70.4%	1,211	1,217	6	0.5%
71.6%	1,210	1,210	0	0.0%
72.8%	1,201	1,201	0	0.0%
74.1%	1,154	1,169	15	1.3%
75.3%	1,153	1,168	16	1.4%
76.5%	1,090	1,148	58	5.4%
77.8%	1,038	1,142	104	10.0%
79.0%	1,029	1,110	81	7.9%
80.2%	947	1,045	98	10.4%
81.5%	941	1,044	103	10.9%
82.7%	928	1,021	93	10.0%
84.0%	870	1,020	149	17.2%
85.2%	863	996	133	15.4%
86.4%	845	985	140	16.5%
87.7%	830	941	112	13.4%
88.9%	796	923	128	16.0%
90.1%	768	874	106	13.8%
91.4%	716	872	156	21.8%
92.6%	698	856	158	22.7%
93.8%	661	762	101	15.3%
95.1%	649	749	101	15.5%
96.3%	627	687	60	9.6%
97.5%	594	651	58	9.7%
98.8%	571	626	55	9.6%
100.0%	188	389	201	106.8%

Table SW-47-7b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,789	-28	-0.6%
18.5%	4,789	4,782	-7	-0.1%
19.8%	4,739	4,712	-27	-0.6%
21.0%	4,541	4,482	-59	-1.3%
22.2%	4,482	4,450	-32	-0.7%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,112	-204	-4.7%
27.2%	4,294	3,944	-350	-8.2%
28.4%	3,813	3,832	19	0.5%
29.6%	3,647	3,704	57	1.6%
30.9%	3,617	3,500	-116	-3.2%
32.1%	3,526	3,065	-461	-13.1%
33.3%	3,500	2,962	-538	-15.4%
34.6%	3,143	2,926	-217	-6.9%
35.8%	3,065	2,881	-184	-6.0%
37.0%	2,864	2,693	-172	-6.0%
38.3%	2,776	2,662	-114	-4.1%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,602	-60	-2.3%
42.0%	2,639	2,583	-56	-2.1%
43.2%	2,635	2,553	-81	-3.1%
44.4%	2,553	2,462	-91	-3.6%
45.7%	2,528	2,306	-222	-8.8%
46.9%	2,468	2,295	-173	-7.0%
48.1%	2,464	2,276	-188	-7.6%
49.4%	2,447	2,172	-275	-11.2%
50.6%	2,363	2,144	-219	-9.2%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,959	-337	-14.7%
54.3%	2,197	1,897	-300	-13.7%
55.6%	2,193	1,839	-354	-16.1%
56.8%	2,176	1,814	-362	-16.6%
58.0%	2,116	1,753	-362	-17.1%
59.3%	2,029	1,748	-281	-13.8%
60.5%	1,997	1,720	-278	-13.9%
61.7%	1,966	1,683	-283	-14.4%
63.0%	1,882	1,656	-226	-12.0%
64.2%	1,839	1,611	-227	-12.4%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,440	37	2.6%
84.0%	1,254	1,356	102	8.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,229	184	17.6%
87.7%	980	1,220	240	24.5%
88.9%	946	1,189	243	25.7%
90.1%	889	1,088	199	22.4%
91.4%	814	840	26	3.2%
92.6%	803	767	-36	-4.5%
93.8%	726	728	2	0.2%
95.1%	690	725	35	5.1%
96.3%	550	568	18	3.2%
97.5%	511	542	31	6.0%
98.8%	332	433	102	30.6%
100.0%	188	260	72	38.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,739	-5	-0.1%
2.5%	4,743	4,733	-9	-0.2%
3.7%	4,735	4,727	-8	-0.2%
4.9%	4,733	4,724	-10	-0.2%
6.2%	4,727	4,723	-5	-0.1%
7.4%	4,727	4,722	-5	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,720	-6	-0.1%
11.1%	4,724	4,720	-4	-0.1%
12.3%	4,723	4,719	-4	-0.1%
13.6%	4,723	4,709	-14	-0.3%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,695	-24	-0.5%
17.3%	4,719	4,645	-73	-1.6%
18.5%	4,718	4,394	-324	-6.9%
19.8%	4,717	4,232	-485	-10.3%
21.0%	4,717	4,144	-573	-12.2%
22.2%	4,716	4,078	-638	-13.5%
23.5%	4,712	4,054	-658	-14.0%
24.7%	4,709	4,035	-674	-14.3%
25.9%	4,707	4,031	-677	-14.4%
27.2%	4,707	4,004	-703	-14.9%
28.4%	4,702	3,786	-916	-19.5%
29.6%	4,698	3,746	-953	-20.3%
30.9%	4,690	3,723	-967	-20.6%
32.1%	4,684	3,656	-1,028	-22.0%
33.3%	4,623	3,645	-978	-21.2%
34.6%	4,424	3,601	-823	-18.6%
35.8%	4,373	3,570	-803	-18.4%
37.0%	4,364	3,497	-867	-19.9%
38.3%	4,288	3,480	-808	-18.8%
39.5%	4,282	3,429	-853	-19.9%
40.7%	4,233	3,406	-827	-19.5%
42.0%	4,232	3,264	-969	-22.9%
43.2%	4,105	3,076	-1,029	-25.1%
44.4%	3,838	3,053	-786	-20.5%
45.7%	3,723	3,008	-715	-19.2%
46.9%	3,639	2,964	-675	-18.6%
48.1%	3,615	2,953	-662	-18.3%
49.4%	3,480	2,895	-586	-16.8%
50.6%	3,323	2,811	-511	-15.4%
51.9%	3,319	2,774	-546	-16.4%
53.1%	3,262	2,762	-500	-15.3%
54.3%	3,260	2,754	-506	-15.5%
55.6%	3,123	2,738	-385	-12.3%
56.8%	3,068	2,723	-345	-11.2%
58.0%	2,979	2,674	-305	-10.2%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,613	-222	-7.8%
61.7%	2,819	2,608	-212	-7.5%
63.0%	2,772	2,602	-170	-6.1%
64.2%	2,754	2,561	-193	-7.0%
65.4%	2,750	2,538	-213	-7.7%
66.7%	2,706	2,508	-198	-7.3%
67.9%	2,659	2,477	-181	-6.8%
69.1%	2,623	2,466	-157	-6.0%
70.4%	2,609	2,453	-156	-6.0%
71.6%	2,578	2,446	-132	-5.1%
72.8%	2,477	2,441	-36	-1.5%
74.1%	2,466	2,396	-70	-2.9%
75.3%	2,457	2,383	-74	-3.0%
76.5%	2,396	2,309	-86	-3.6%
77.8%	2,383	2,291	-92	-3.9%
79.0%	2,382	2,247	-135	-5.7%
80.2%	2,247	2,238	-9	-0.4%
81.5%	2,225	2,129	-96	-4.3%
82.7%	2,102	1,972	-131	-6.2%
84.0%	1,849	1,969	120	6.5%
85.2%	1,824	1,935	111	6.1%
86.4%	1,644	1,874	231	14.0%
87.7%	1,542	1,336	-206	-13.4%
88.9%	1,443	1,314	-129	-8.9%
90.1%	1,413	1,192	-221	-15.6%
91.4%	1,349	1,176	-173	-12.9%
92.6%	1,190	1,096	-94	-7.9%
93.8%	1,091	1,080	-11	-1.0%
95.1%	588	1,073	485	82.5%
96.3%	556	877	321	57.7%
97.5%	546	851	305	56.0%
98.8%	188	454	266	141.4%
100.0%	188	250	62	32.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,201	16	0.4%
1.2%	4,068	4,186	117	2.9%
2.5%	3,969	3,972	3	0.1%
3.7%	3,967	3,969	3	0.1%
4.9%	3,838	3,838	0	0.0%
6.2%	3,809	3,809	0	0.0%
7.4%	3,778	3,782	4	0.1%
8.6%	3,757	3,757	0	0.0%
9.9%	3,747	3,747	0	0.0%
11.1%	3,742	3,717	-25	-0.7%
12.3%	3,717	3,703	-15	-0.4%
13.6%	3,703	3,685	-17	-0.5%
14.8%	3,685	3,634	-52	-1.4%
16.0%	3,634	3,623	-10	-0.3%
17.3%	3,548	3,500	-48	-1.4%
18.5%	3,421	3,330	-91	-2.7%
19.8%	3,392	3,317	-75	-2.2%
21.0%	3,192	3,288	96	3.0%
22.2%	3,157	3,203	47	1.5%
23.5%	3,143	3,156	12	0.4%
24.7%	3,136	3,115	-21	-0.7%
25.9%	3,125	3,057	-68	-2.2%
27.2%	3,008	3,052	44	1.5%
28.4%	2,967	2,903	-64	-2.2%
29.6%	2,941	2,902	-39	-1.3%
30.9%	2,892	2,891	-1	0.0%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,737	50	1.8%
34.6%	2,628	2,725	97	3.7%
35.8%	2,625	2,715	90	3.4%
37.0%	2,594	2,713	119	4.6%
38.3%	2,562	2,605	43	1.7%
39.5%	2,501	2,571	70	2.8%
40.7%	2,398	2,563	165	6.9%
42.0%	2,393	2,487	94	3.9%
43.2%	2,391	2,479	88	3.7%
44.4%	2,372	2,467	95	4.0%
45.7%	2,360	2,389	29	1.2%
46.9%	2,323	2,353	31	1.3%
48.1%	2,238	2,316	78	3.5%
49.4%	2,224	2,296	72	3.3%
50.6%	2,158	2,215	57	2.7%
51.9%	2,098	2,105	7	0.3%
53.1%	2,079	2,062	-17	-0.8%
54.3%	2,074	2,019	-55	-2.6%
55.6%	2,063	1,991	-72	-3.5%
56.8%	2,029	1,950	-78	-3.9%
58.0%	2,020	1,814	-206	-10.2%
59.3%	2,013	1,804	-209	-10.4%
60.5%	1,982	1,782	-200	-10.1%
61.7%	1,949	1,722	-227	-11.7%
63.0%	1,866	1,719	-147	-7.9%
64.2%	1,726	1,715	-11	-0.6%
65.4%	1,699	1,707	8	0.5%
66.7%	1,667	1,627	-40	-2.4%
67.9%	1,617	1,611	-6	-0.4%
69.1%	1,489	1,591	102	6.8%
70.4%	1,489	1,586	97	6.5%
71.6%	1,482	1,583	102	6.9%
72.8%	1,473	1,575	102	6.9%
74.1%	1,470	1,521	51	3.5%
75.3%	1,470	1,489	19	1.3%
76.5%	1,466	1,480	14	0.9%
77.8%	1,370	1,472	102	7.5%
79.0%	1,213	1,453	240	19.8%
80.2%	1,102	1,397	295	26.7%
81.5%	1,093	1,331	238	21.7%
82.7%	1,041	1,293	251	24.1%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,001	8	0.8%
86.4%	922	997	75	8.1%
87.7%	750	979	228	30.4%
88.9%	728	894	166	22.8%
90.1%	723	846	122	16.9%
91.4%	703	814	111	15.8%
92.6%	624	769	145	23.2%
93.8%	571	731	160	28.1%
95.1%	561	699	138	24.6%
96.3%	549	629	80	14.6%
97.5%	545	535	-10	-1.9%
98.8%	444	442	-2	-0.4%
100.0%	188	298	110	58.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,413	-378	-7.9%
2.5%	4,781	4,412	-369	-7.7%
3.7%	4,778	4,354	-424	-8.9%
4.9%	4,773	4,341	-432	-9.1%
6.2%	4,751	4,183	-568	-12.0%
7.4%	4,679	4,144	-535	-11.4%
8.6%	4,607	4,084	-523	-11.4%
9.9%	4,514	4,051	-462	-10.2%
11.1%	4,494	4,045	-449	-10.0%
12.3%	4,463	4,039	-424	-9.5%
13.6%	4,341	3,984	-356	-8.2%
14.8%	4,265	3,880	-385	-9.0%
16.0%	4,210	3,834	-377	-8.9%
17.3%	4,144	3,812	-332	-8.0%
18.5%	4,089	3,800	-289	-7.1%
19.8%	4,080	3,797	-283	-6.9%
21.0%	4,039	3,789	-251	-6.2%
22.2%	4,004	3,788	-216	-5.4%
23.5%	4,001	3,779	-222	-5.5%
24.7%	3,965	3,762	-203	-5.1%
25.9%	3,960	3,756	-203	-5.1%
27.2%	3,840	3,756	-85	-2.2%
28.4%	3,758	3,718	-40	-1.1%
29.6%	3,712	3,681	-31	-0.8%
30.9%	3,684	3,656	-28	-0.7%
32.1%	3,660	3,614	-46	-1.3%
33.3%	3,453	3,575	121	3.5%
34.6%	3,337	3,523	187	5.6%
35.8%	3,078	3,502	424	13.8%
37.0%	2,813	3,372	559	19.9%
38.3%	2,784	3,196	412	14.8%
39.5%	2,739	3,185	447	16.3%
40.7%	2,610	2,957	347	13.3%
42.0%	2,588	2,953	365	14.1%
43.2%	2,569	2,513	-56	-2.2%
44.4%	2,428	2,467	39	1.6%
45.7%	2,368	2,439	71	3.0%
46.9%	2,350	2,437	87	3.7%
48.1%	2,286	2,420	135	5.9%
49.4%	2,119	2,419	300	14.2%
50.6%	2,029	2,296	266	13.1%
51.9%	2,027	2,249	222	11.0%
53.1%	1,897	2,131	234	12.3%
54.3%	1,842	2,009	167	9.1%
55.6%	1,835	1,938	103	5.6%
56.8%	1,813	1,935	122	6.7%
58.0%	1,806	1,903	98	5.4%
59.3%	1,776	1,774	-2	-0.1%
60.5%	1,763	1,761	-2	-0.1%
61.7%	1,722	1,746	24	1.4%
63.0%	1,671	1,640	-31	-1.9%
64.2%	1,665	1,447	-219	-13.1%
65.4%	1,610	1,431	-179	-11.1%
66.7%	1,585	1,425	-159	-10.1%
67.9%	1,535	1,422	-113	-7.4%
69.1%	1,438	1,395	-43	-3.0%
70.4%	1,396	1,335	-61	-4.4%
71.6%	1,357	1,323	-34	-2.5%
72.8%	1,339	1,323	-16	-1.2%
74.1%	1,318	1,308	-10	-0.8%
75.3%	1,312	1,255	-56	-4.3%
76.5%	1,286	1,190	-96	-7.4%
77.8%	1,280	1,157	-124	-9.7%
79.0%	1,150	1,151	2	0.1%
80.2%	1,109	1,135	27	2.4%
81.5%	944	1,130	186	19.7%
82.7%	906	1,064	158	17.4%
84.0%	805	1,042	237	29.5%
85.2%	790	942	152	19.2%
86.4%	771	940	169	22.0%
87.7%	758	885	127	16.7%
88.9%	754	837	84	11.1%
90.1%	707	836	129	18.2%
91.4%	633	824	191	30.2%
92.6%	606	791	185	30.6%
93.8%	605	790	185	30.6%
95.1%	603	718	116	19.2%
96.3%	598	602	4	0.6%
97.5%	367	602	235	64.2%
98.8%	281	447	166	59.2%
100.0%	281	281	0	0.0%

Table SW-53-7a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative C	3	4	5	6	7	6	4	4	5	6	5	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-1.0%	3.3%	7.1%	2.5%	3.0%	-1.6%	-3.5%	-3.1%	-4.5%	-0.9%	-1.4%	-3.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative C	4	5	5	11	11	10	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.1%	1.4%	8.0%	1.5%	0.9%	-0.5%	-0.2%	0.4%	1.1%	-3.0%	-2.5%	-3.4%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative C	3	5	5	7	10	7	4	4	5	6	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.1%	5.5%	10.0%	-0.9%	2.9%	-1.6%	0.9%	1.9%	-6.2%	0.3%	-6.0%	-9.2%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative C	3	3	6	4	5	4	4	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	7.0%	6.7%	6.4%	4.0%	5.6%	-3.6%	1.5%	-2.8%	-7.6%	3.0%	-6.3%	2.6%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative C	2	3	5	3	4	3	3	3	5	6	5	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-13.6%	6.8%	6.3%	10.3%	8.6%	-4.3%	-13.7%	-9.5%	-8.2%	-1.5%	-0.7%	0.8%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative C	2	2	3	3	3	2	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-8.0%	-4.8%	1.9%	3.9%	4.2%	-2.3%	-15.7%	-11.7%	-5.9%	-1.0%	11.3%	-4.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

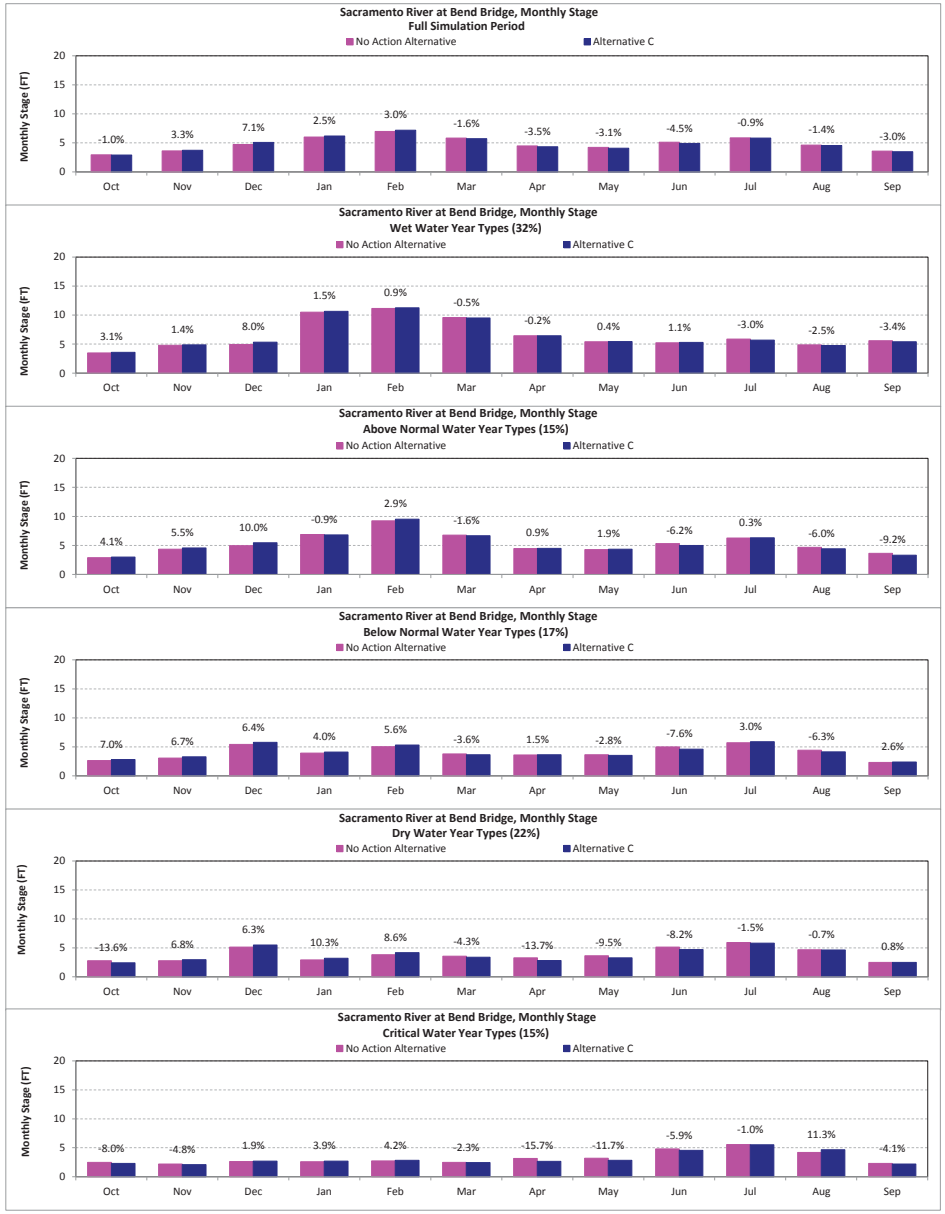

Figure SW-53-7b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

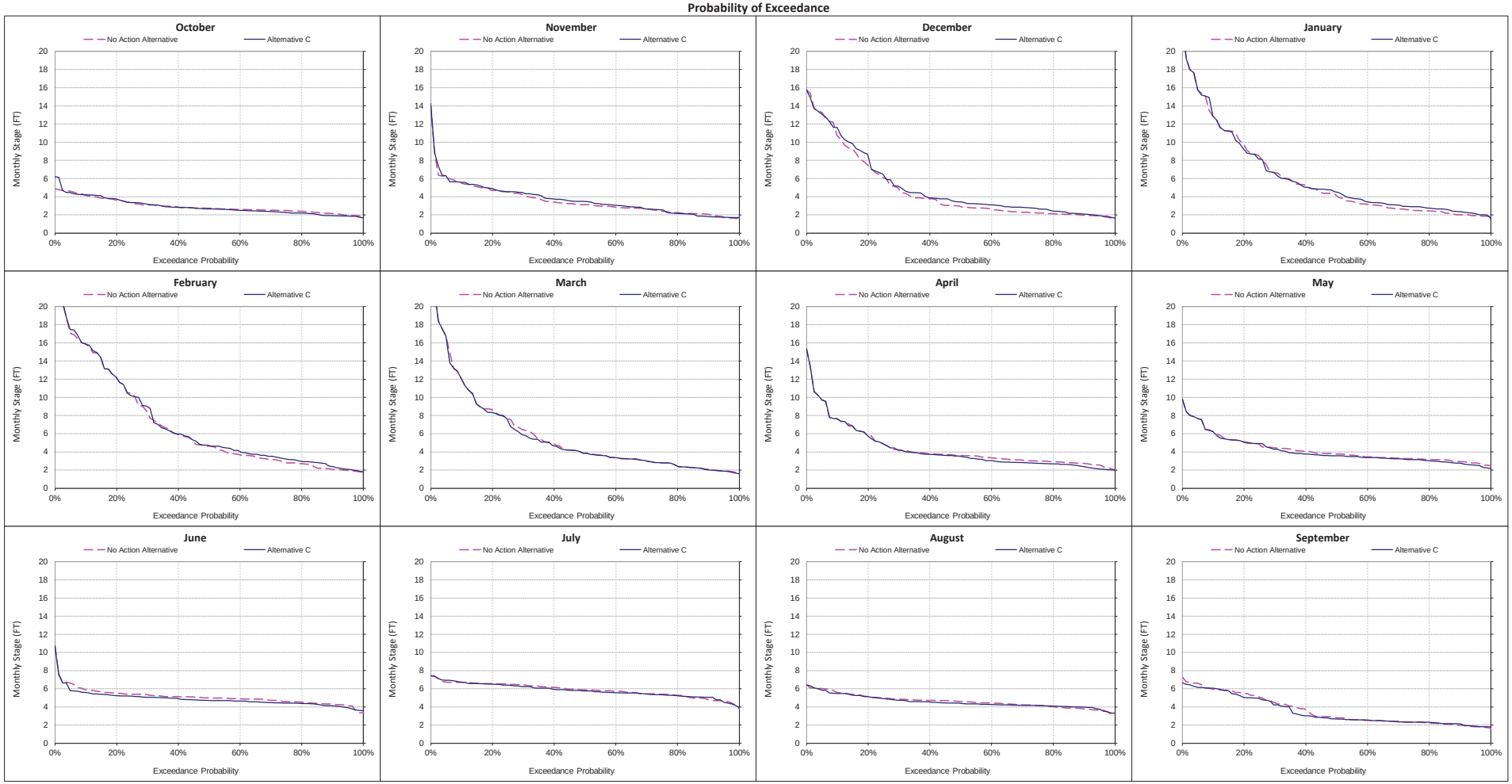

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	6	1	27.0%
1.2%	5	6	1	28.8%
2.5%	5	5	0	-0.2%
3.7%	5	4	0	-5.0%
4.9%	5	4	0	-3.1%
6.2%	5	4	0	-3.9%
7.4%	4	4	0	-1.6%
8.6%	4	4	0	-1.9%
9.9%	4	4	0	1.0%
11.1%	4	4	0	2.9%
12.3%	4	4	0	4.8%
13.6%	4	4	0	4.2%
14.8%	4	4	0	7.0%
16.0%	4	4	0	2.2%
17.3%	4	4	0	0.1%
18.5%	4	4	0	1.9%
19.8%	4	4	0	3.8%
21.0%	4	4	0	0.4%
22.2%	4	4	0	-0.3%
23.5%	3	3	0	-0.7%
24.7%	3	3	0	-0.4%
25.9%	3	3	0	3.4%
27.2%	3	3	0	3.5%
28.4%	3	3	0	6.4%
29.6%	3	3	0	2.6%
30.9%	3	3	0	0.8%
32.1%	3	3	0	0.6%
33.3%	3	3	0	1.4%
34.6%	3	3	0	0.0%
35.8%	3	3	0	-2.4%
37.0%	3	3	0	-2.7%
38.3%	3	3	0	-2.8%
39.5%	3	3	0	-1.8%
40.7%	3	3	0	0.6%
42.0%	3	3	0	0.8%
43.2%	3	3	0	1.0%
44.4%	3	3	0	0.2%
45.7%	3	3	0	-2.2%
46.9%	3	3	0	-2.2%
48.1%	3	3	0	-2.3%
49.4%	3	3	0	-3.1%
50.6%	3	3	0	-2.5%
51.9%	3	3	0	-2.2%
53.1%	3	3	0	-2.2%
54.3%	3	3	0	-0.7%
55.6%	3	3	0	-1.3%
56.8%	3	3	0	-2.1%
58.0%	3	3	0	-3.1%
59.3%	3	3	0	-4.1%
60.5%	3	2	0	-4.6%
61.7%	3	2	0	-4.3%
63.0%	3	2	0	-4.3%
64.2%	3	2	0	-4.2%
65.4%	3	2	0	-4.5%
66.7%	3	2	0	-4.3%
67.9%	3	2	0	-5.6%
69.1%	3	2	0	-6.1%
70.4%	3	2	0	-6.2%
71.6%	3	2	0	-7.0%
72.8%	2	2	0	-7.3%
74.1%	2	2	0	-7.8%
75.3%	2	2	0	-8.1%
76.5%	2	2	0	-8.9%
77.8%	2	2	0	-9.0%
79.0%	2	2	0	-7.9%
80.2%	2	2	0	-8.1%
81.5%	2	2	0	-7.8%
82.7%	2	2	0	-7.5%
84.0%	2	2	0	-7.3%
85.2%	2	2	0	-10.0%
86.4%	2	2	0	-11.1%
87.7%	2	2	0	-11.5%
88.9%	2	2	0	-11.3%
90.1%	2	2	0	-11.2%
91.4%	2	2	0	-9.4%
92.6%	2	2	0	-7.7%
93.8%	2	2	0	-5.1%
95.1%	2	2	0	-3.6%
96.3%	2	2	0	-5.4%
97.5%	2	2	0	-5.3%
98.8%	2	2	0	-8.5%
100.0%	1	2	0	18.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	1.3%
1.2%	9	9	0	0.0%
2.5%	6	7	1	16.0%
3.7%	6	6	0	1.3%
4.9%	6	6	0	0.8%
6.2%	6	6	0	-5.8%
7.4%	6	6	0	-3.7%
8.6%	6	6	0	1.6%
9.9%	5	6	0	1.8%
11.1%	5	6	0	3.7%
12.3%	5	5	0	0.1%
13.6%	5	5	0	2.8%
14.8%	5	5	0	3.8%
16.0%	5	5	0	3.8%
17.3%	5	5	0	1.1%
18.5%	5	5	0	0.8%
19.8%	5	5	0	4.9%
21.0%	5	5	0	1.7%
22.2%	5	5	0	0.1%
23.5%	5	5	0	1.0%
24.7%	5	5	0	0.2%
25.9%	5	5	0	1.2%
27.2%	4	5	0	4.0%
28.4%	4	5	0	2.9%
29.6%	4	4	0	5.2%
30.9%	4	4	0	6.0%
32.1%	4	4	0	8.9%
33.3%	4	4	0	9.1%
34.6%	4	4	0	8.9%
35.8%	4	4	0	11.2%
37.0%	4	4	0	8.9%
38.3%	3	4	0	9.6%
39.5%	3	4	0	9.4%
40.7%	3	4	0	10.5%
42.0%	3	4	0	11.6%
43.2%	3	4	0	10.6%
44.4%	3	4	0	10.1%
45.7%	3	4	0	8.8%
46.9%	3	3	0	9.4%
48.1%	3	3	0	11.5%
49.4%	3	3	0	11.6%
50.6%	3	3	0	11.3%
51.9%	3	3	0	9.1%
53.1%	3	3	0	7.8%
54.3%	3	3	0	8.8%
55.6%	3	3	0	6.5%
56.8%	3	3	0	6.8%
58.0%	3	3	0	7.0%
59.3%	3	3	0	6.8%
60.5%	3	3	0	8.2%
61.7%	3	3	0	8.2%
63.0%	3	3	0	6.3%
64.2%	3	3	0	5.0%
65.4%	3	3	0	4.6%
66.7%	3	3	0	3.6%
67.9%	3	3	0	3.5%
69.1%	3	3	0	-2.2%
70.4%	3	3	0	-1.9%
71.6%	3	3	0	1.5%
72.8%	3	3	0	2.5%
74.1%	2	3	0	4.9%
75.3%	2	3	0	6.0%
76.5%	2	2	0	-3.5%
77.8%	2	2	0	-2.9%
79.0%	2	2	0	-4.5%
80.2%	2	2	0	-5.0%
81.5%	2	2	0	-2.7%
82.7%	2	2	0	-2.9%
84.0%	2	2	0	-2.5%
85.2%	2	2	0	-4.4%
86.4%	2	2	0	-11.9%
87.7%	2	2	0	-11.8%
88.9%	2	2	0	-12.7%
90.1%	2	2	0	-12.5%
91.4%	2	2	0	-7.3%
92.6%	2	2	0	-6.7%
93.8%	2	2	0	-4.3%
95.1%	2	2	0	-1.1%
96.3%	2	2	0	1.8%
97.5%	2	2	0	3.1%
98.8%	2	2	0	5.3%
100.0%	2	2	0	7.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-3.0%
2.5%	14	14	0	0.0%
3.7%	13	13	0	-0.2%
4.9%	13	13	0	-1.6%
6.2%	13	13	0	0.9%
7.4%	12	12	0	0.0%
8.6%	12	12	-1	-4.4%
9.9%	11	12	1	8.3%
11.1%	10	11	0	3.9%
12.3%	10	10	1	6.3%
13.6%	9	10	1	7.0%
14.8%	9	10	1	6.1%
16.0%	9	9	0	5.6%
17.3%	8	9	1	11.6%
18.5%	8	9	1	12.1%
19.8%	8	9	1	15.5%
21.0%	7	7	0	-1.3%
22.2%	7	7	0	2.4%
23.5%	6	7	0	2.8%
24.7%	6	6	0	5.6%
25.9%	6	6	0	-1.0%
27.2%	5	6	1	12.4%
28.4%	5	5	0	1.0%
29.6%	5	5	0	3.8%
30.9%	4	5	0	10.6%
32.1%	4	5	0	5.2%
33.3%	4	4	0	8.1%
34.6%	4	4	1	14.6%
35.8%	4	4	1	14.7%
37.0%	4	4	1	14.1%
38.3%	4	4	0	7.7%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.8%
42.0%	4	4	0	4.1%
43.2%	3	4	1	17.1%
44.4%	3	4	1	23.1%
45.7%	3	4	1	23.7%
46.9%	3	4	1	17.6%
48.1%	3	3	0	14.8%
49.4%	3	3	0	15.9%
50.6%	3	3	1	20.0%
51.9%	3	3	0	14.9%
53.1%	3	3	0	16.0%
54.3%	3	3	0	16.4%
55.6%	3	3	0	16.1%
56.8%	3	3	0	14.8%
58.0%	3	3	0	15.3%
59.3%	3	3	0	15.0%
60.5%	3	3	1	22.0%
61.7%	3	3	1	20.4%
63.0%	2	3	1	21.6%
64.2%	2	3	0	20.4%
65.4%	2	3	0	20.7%
66.7%	2	3	1	21.4%
67.9%	2	3	1	21.7%
69.1%	2	3	1	23.4%
70.4%	2	3	1	22.7%
71.6%	2	3	0	21.7%
72.8%	2	3	1	23.6%
74.1%	2	3	1	23.0%
75.3%	2	3	0	21.1%
76.5%	2	3	0	19.7%
77.8%	2	3	0	21.7%
79.0%	2	2	0	16.1%
80.2%	2	2	0	13.8%
81.5%	2	2	0	14.4%
82.7%	2	2	0	12.4%
84.0%	2	2	0	11.5%
85.2%	2	2	0	5.3%
86.4%	2	2	0	5.7%
87.7%	2	2	0	4.6%
88.9%	2	2	0	7.0%
90.1%	2	2	0	5.4%
91.4%	2	2	0	6.7%
92.6%	2	2	0	7.3%
93.8%	2	2	0	4.4%
95.1%	2	2	0	1.1%
96.3%	2	2	0	0.0%
97.5%	2	2	0	6.9%
98.8%	2	2	0	3.8%
100.0%	2	2	0	3.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	16	16	0	0.3%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.7%
8.6%	14	15	1	10.3%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	12	0	0.8%
13.6%	11	11	0	0.0%
14.8%	11	11	0	-0.3%
16.0%	11	11	0	-0.9%
17.3%	11	10	-1	-7.3%
18.5%	10	10	0	-3.2%
19.8%	10	9	-1	-6.1%
21.0%	9	9	0	-3.2%
22.2%	9	9	0	-0.9%
23.5%	9	9	0	-1.1%
24.7%	9	8	0	-4.4%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-9.2%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-4.0%
33.3%	6	6	0	-0.7%
34.6%	6	6	0	-1.5%
35.8%	6	6	0	1.0%
37.0%	5	6	0	3.6%
38.3%	5	5	0	-1.1%
39.5%	5	5	0	-4.3%
40.7%	5	5	0	-1.0%
42.0%	5	5	0	0.1%
43.2%	5	5	0	0.8%
44.4%	5	5	0	6.3%
45.7%	4	5	0	10.4%
46.9%	4	5	0	9.1%
48.1%	4	5	0	8.2%
49.4%	4	5	0	6.7%
50.6%	4	4	1	13.2%
51.9%	4	4	0	11.3%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	11.1%
56.8%	3	4	0	15.1%
58.0%	3	4	0	14.9%
59.3%	3	3	0	8.9%
60.5%	3	3	0	9.3%
61.7%	3	3	0	8.8%
63.0%	3	3	0	8.5%
64.2%	3	3	0	10.8%
65.4%	3	3	0	11.4%
66.7%	3	3	0	13.0%
67.9%	3	3	0	13.7%
69.1%	3	3	0	14.8%
70.4%	3	3	0	15.8%
71.6%	3	3	0	10.8%
72.8%	3	3	0	14.8%
74.1%	3	3	0	15.5%
75.3%	2	3	0	16.7%
76.5%	2	3	0	16.9%
77.8%	2	3	0	15.9%
79.0%	2	3	0	13.8%
80.2%	2	3	0	12.7%
81.5%	2	3	0	11.3%
82.7%	2	3	0	12.0%
84.0%	2	3	0	11.8%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	13.9%
88.9%	2	2	0	17.3%
90.1%	2	2	0	16.2%
91.4%	2	2	0	14.5%
92.6%	2	2	0	11.4%
93.8%	2	2	0	14.5%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.8%
97.5%	2	2	0	7.3%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.4%

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	20	22	1	5.0%
2.5%	20	21	0	0.3%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.3%
6.2%	17	17	1	3.1%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	1.1%
12.3%	15	15	0	1.4%
13.6%	15	15	0	0.2%
14.8%	14	14	0	0.0%
16.0%	13	13	0	0.0%
17.3%	13	13	0	0.0%
18.5%	13	13	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	10	0	-0.4%
24.7%	10	10	0	-2.6%
25.9%	10	10	0	0.0%
27.2%	9	10	1	10.3%
28.4%	9	9	0	0.4%
29.6%	9	9	1	6.0%
30.9%	8	9	1	14.0%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-2.4%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-2.1%
37.0%	7	6	0	-3.1%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.1%
40.7%	6	6	0	3.7%
42.0%	6	6	0	1.6%
43.2%	6	6	0	1.5%
44.4%	5	5	0	-0.6%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.1%
49.4%	5	5	0	2.1%
50.6%	5	5	0	0.1%
51.9%	5	5	0	2.8%
53.1%	4	5	0	9.4%
54.3%	4	5	0	8.2%
55.6%	4	4	1	13.1%
56.8%	4	4	1	14.9%
58.0%	4	4	0	9.8%
59.3%	4	4	0	11.2%
60.5%	4	4	0	8.2%
61.7%	4	4	0	7.8%
63.0%	4	4	0	5.9%
64.2%	4	4	0	5.5%
65.4%	3	4	0	8.9%
66.7%	3	4	0	10.6%
67.9%	3	4	0	11.3%
69.1%	3	4	0	10.8%
70.4%	3	4	0	11.1%
71.6%	3	3	0	9.2%
72.8%	3	3	0	10.6%
74.1%	3	3	0	11.3%
75.3%	3	3	0	14.3%
76.5%	3	3	0	12.6%
77.8%	3	3	0	13.1%
79.0%	3	3	0	11.9%
80.2%	3	3	0	8.9%
81.5%	3	3	0	10.3%
82.7%	3	3	0	9.5%
84.0%	2	3	0	21.1%
85.2%	2	3	1	27.0%
86.4%	2	3	1	25.9%
87.7%	2	3	1	25.2%
88.9%	2	2	0	12.8%
90.1%	2	2	0	15.4%
91.4%	2	2	0	9.7%
92.6%	2	2	0	7.4%
93.8%	2	2	0	8.4%
95.1%	2	2	0	5.3%
96.3%	2	2	0	5.6%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	22	22	0	0.0%
1.2%	22	22	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	17	17	0	0.0%
6.2%	15	14	-1	-7.3%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	0.0%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	1.1%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	8	0	-4.3%
19.8%	9	8	0	-3.9%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.1%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-10.1%
27.2%	7	6	0	-5.2%
28.4%	7	6	0	-6.9%
29.6%	6	6	-1	-9.0%
30.9%	6	6	-1	-9.3%
32.1%	6	5	-1	-11.9%
33.3%	6	5	-1	-9.9%
34.6%	5	5	0	-1.9%
35.8%	5	5	0	-6.0%
37.0%	5	5	0	-0.7%
38.3%	5	5	0	-0.1%
39.5%	5	5	0	-4.6%
40.7%	5	5	0	-2.8%
42.0%	5	4	0	-4.8%
43.2%	4	4	0	0.0%
44.4%	4	4	0	0.0%
45.7%	4	4	0	0.0%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	-0.2%
50.6%	4	4	0	-0.1%
51.9%	4	4	0	-2.8%
53.1%	4	4	0	-1.0%
54.3%	4	4	0	-1.2%
55.6%	4	4	0	-1.0%
56.8%	4	4	0	0.1%
58.0%	3	3	0	0.2%
59.3%	3	3	0	0.1%
60.5%	3	3	0	-0.1%
61.7%	3	3	0	-1.3%
63.0%	3	3	0	-0.7%
64.2%	3	3	0	0.0%
65.4%	3	3	0	-0.1%
66.7%	3	3	0	-1.3%
67.9%	3	3	0	-0.1%
69.1%	3	3	0	-0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	-0.1%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.1%
76.5%	3	3	0	0.0%
77.8%	3	3	0	0.0%
79.0%	3	3	0	0.0%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.0%
85.2%	2	2	0	-0.2%
86.4%	2	2	0	0.1%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-2.6%
90.1%	2	2	0	-3.7%
91.4%	2	2	0	-2.3%
92.6%	2	2	0	-1.5%
93.8%	2	2	0	-1.2%
95.1%	2	2	0	-1.5%
96.3%	2	2	0	-3.5%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.6%
100.0%	2	2	0	-5.3%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	10	10	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.0%
18.5%	6	6	0	0.0%
19.8%	6	6	0	-1.4%
21.0%	6	5	0	-5.7%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	4	0	-1.2%
28.4%	4	4	0	4.2%
29.6%	4	4	0	-0.7%
30.9%	4	4	0	-0.7%
32.1%	4	4	0	-3.6%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	-0.8%
35.8%	4	4	0	-0.6%
37.0%	4	4	0	-3.4%
38.3%	4	4	0	-3.2%
39.5%	4	4	0	-1.8%
40.7%	4	4	0	-2.4%
42.0%	4	4	0	-2.4%
43.2%	4	4	0	-2.5%
44.4%	4	4	0	-2.9%
45.7%	4	4	0	-3.0%
46.9%	4	4	0	-2.6%
48.1%	4	4	0	-2.2%
49.4%	4	4	0	-1.9%
50.6%	4	3	0	-3.5%
51.9%	4	3	0	-4.8%
53.1%	4	3	0	-7.8%
54.3%	4	3	0	-8.7%
55.6%	4	3	0	-9.2%
56.8%	3	3	0	-7.1%
58.0%	3	3	0	-9.8%
59.3%	3	3	0	-10.5%
60.5%	3	3	0	-8.9%
61.7%	3	3	0	-11.1%
63.0%	3	3	0	-11.5%
64.2%	3	3	0	-10.1%
65.4%	3	3	0	-9.1%
66.7%	3	3	0	-9.8%
67.9%	3	3	0	-8.9%
69.1%	3	3	0	-9.1%
70.4%	3	3	0	-8.5%
71.6%	3	3	0	-8.3%
72.8%	3	3	0	-7.5%
74.1%	3	3	0	-7.9%
75.3%	3	3	0	-7.5%
76.5%	3	3	0	-9.0%
77.8%	3	3	0	-8.8%
79.0%	3	3	0	-8.4%
80.2%	3	3	0	-8.4%
81.5%	3	3	0	-7.7%
82.7%	3	3	0	-8.3%
84.0%	3	3	0	-7.5%
85.2%	3	3	0	-6.6%
86.4%	3	3	0	-8.5%
87.7%	3	2	0	-10.1%
88.9%	3	2	0	-10.3%
90.1%	3	2	0	-12.8%
91.4%	3	2	0	-14.4%
92.6%	3	2	0	-14.0%
93.8%	3	2	0	-15.9%
95.1%	3	2	0	-18.2%
96.3%	2	2	0	-10.8%
97.5%	2	2	0	-10.0%
98.8%	2	2	0	-6.9%
100.0%	2	2	0	-0.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	8	8	0	0.0%
2.5%	8	8	0	0.0%
3.7%	8	8	0	0.0%
4.9%	8	8	0	0.0%
6.2%	8	8	0	0.0%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	0.6%
9.9%	6	6	0	-0.6%
11.1%	6	6	0	-3.0%
12.3%	6	5	0	-5.5%
13.6%	5	5	0	-0.9%
14.8%	5	5	0	0.0%
16.0%	5	5	0	-1.0%
17.3%	5	5	0	0.0%
18.5%	5	5	0	0.0%
19.8%	5	5	0	0.7%
21.0%	5	5	0	1.9%
22.2%	5	5	0	0.8%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	8.0%
27.2%	5	5	0	0.0%
28.4%	5	4	0	-1.3%
29.6%	4	4	0	-3.4%
30.9%	4	4	0	-3.4%
32.1%	4	4	0	-5.6%
33.3%	4	4	0	-6.6%
34.6%	4	4	0	-9.9%
35.8%	4	4	0	-9.5%
37.0%	4	4	0	-7.5%
38.3%	4	4	0	-6.9%
39.5%	4	4	0	-7.6%
40.7%	4	4	0	-7.4%
42.0%	4	4	0	-6.8%
43.2%	4	4	0	-4.6%
44.4%	4	4	0	-4.9%
45.7%	4	4	0	-5.5%
46.9%	4	4	0	-5.5%
48.1%	4	4	0	-6.3%
49.4%	4	4	0	-5.4%
50.6%	4	4	0	-5.2%
51.9%	4	4	0	-5.1%
53.1%	4	4	0	-5.0%
54.3%	4	3	0	-4.0%
55.6%	4	3	0	-3.8%
56.8%	4	3	0	-2.2%
58.0%	4	3	0	-4.2%
59.3%	3	3	0	-2.4%
60.5%	3	3	0	-2.0%
61.7%	3	3	0	-1.2%
63.0%	3	3	0	0.0%
64.2%	3	3	0	-1.0%
65.4%	3	3	0	-1.5%
66.7%	3	3	0	-2.5%
67.9%	3	3	0	-2.6%
69.1%	3	3	0	-2.5%
70.4%	3	3	0	-2.3%
71.6%	3	3	0	-2.0%
72.8%	3	3	0	-2.9%
74.1%	3	3	0	-2.6%
75.3%	3	3	0	-1.9%
76.5%	3	3	0	-1.5%
77.8%	3	3	0	-2.6%
79.0%	3	3	0	-4.4%
80.2%	3	3	0	-4.8%
81.5%	3	3	0	-5.7%
82.7%	3	3	0	-6.5%
84.0%	3	3	0	-7.3%
85.2%	3	3	0	-7.1%
86.4%	3	3	0	-8.4%
87.7%	3	3	0	-4.9%
88.9%	3	3	0	-6.5%
90.1%	3	3	0	-6.4%
91.4%	3	3	0	-8.9%
92.6%	3	3	0	-7.8%
93.8%	3	3	0	-7.9%
95.1%	3	3	0	-9.1%
96.3%	3	2	0	-9.6%
97.5%	3	2	0	-10.9%
98.8%	3	2	0	-12.5%
100.0%	2	2	0	-11.9%

Table SW-53-7b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	8	8	0	0.0%
2.5%	7	7	0	-1.2%
3.7%	7	7	0	-2.0%
4.9%	7	6	-1	-12.6%
6.2%	6	6	-1	-10.9%
7.4%	6	6	0	-6.0%
8.6%	6	6	0	-7.2%
9.9%	6	6	0	-5.1%
11.1%	6	6	0	-4.6%
12.3%	6	5	0	-6.4%
13.6%	6	5	0	-5.1%
14.8%	6	5	0	-5.1%
16.0%	6	5	0	-4.2%
17.3%	6	5	0	-4.3%
18.5%	6	5	0	-4.5%
19.8%	6	5	0	-5.3%
21.0%	5	5	0	-5.2%
22.2%	5	5	0	-4.5%
23.5%	5	5	0	-3.6%
24.7%	5	5	0	-3.6%
25.9%	5	5	0	-4.5%
27.2%	5	5	0	-4.5%
28.4%	5	5	0	-5.3%
29.6%	5	5	0	-5.4%
30.9%	5	5	0	-4.4%
32.1%	5	5	0	-3.6%
33.3%	5	5	0	-3.6%
34.6%	5	5	0	-3.6%
35.8%	5	5	0	-2.7%
37.0%	5	5	0	-2.7%
38.3%	5	5	0	-3.6%
39.5%	5	5	0	-3.7%
40.7%	5	5	0	-5.2%
42.0%	5	5	0	-5.2%
43.2%	5	5	0	-6.4%
44.4%	5	5	0	-6.4%
45.7%	5	5	0	-5.8%
46.9%	5	5	0	-6.5%
48.1%	5	5	0	-5.6%
49.4%	5	5	0	-5.6%
50.6%	5	5	0	-5.4%
51.9%	5	5	0	-5.5%
53.1%	5	5	0	-5.5%
54.3%	5	5	0	-5.5%
55.6%	5	5	0	-5.5%
56.8%	5	5	0	-4.8%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-5.0%
60.5%	5	5	0	-5.0%
61.7%	5	5	0	-5.0%
63.0%	5	5	0	-6.5%
64.2%	5	5	0	-6.5%
65.4%	5	5	0	-6.6%
66.7%	5	5	0	-7.5%
67.9%	5	5	0	-6.7%
69.1%	5	5	0	-4.9%
70.4%	5	4	0	-5.9%
71.6%	5	4	0	-5.9%
72.8%	5	4	0	-5.3%
74.1%	5	4	0	-3.8%
75.3%	5	4	0	-3.8%
76.5%	5	4	0	-3.8%
77.8%	5	4	0	-3.2%
79.0%	5	4	0	-3.1%
80.2%	5	4	0	-2.8%
81.5%	4	4	0	-1.8%
82.7%	4	4	0	-1.7%
84.0%	4	4	0	-1.9%
85.2%	4	4	0	-2.1%
86.4%	4	4	0	-3.9%
87.7%	4	4	0	-4.1%
88.9%	4	4	0	-4.2%
90.1%	4	4	0	-4.8%
91.4%	4	4	0	-3.7%
92.6%	4	4	0	-4.7%
93.8%	4	4	0	-5.7%
95.1%	4	4	0	-5.5%
96.3%	4	4	0	-8.5%
97.5%	4	4	0	3.2%
98.8%	3	4	0	7.5%
100.0%	3	4	0	6.8%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.1%
3.7%	7	7	0	2.3%
4.9%	7	7	0	2.7%
6.2%	7	7	0	3.2%
7.4%	7	7	0	2.5%
8.6%	7	7	0	1.4%
9.9%	7	7	0	0.7%
11.1%	7	7	0	0.0%
12.3%	7	7	0	-1.3%
13.6%	7	7	0	-1.3%
14.8%	7	7	0	-0.7%
16.0%	7	7	0	-0.1%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-0.6%
19.8%	7	7	0	-0.6%
21.0%	7	6	0	-0.8%
22.2%	7	6	0	-0.8%
23.5%	7	6	0	-1.9%
24.7%	7	6	0	-1.9%
25.9%	6	6	0	-1.9%
27.2%	6	6	0	-2.4%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	-3.3%
30.9%	6	6	0	-2.7%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	-3.6%
34.6%	6	6	0	-3.8%
35.8%	6	6	0	-2.5%
37.0%	6	6	0	-2.0%
38.3%	6	6	0	-1.3%
39.5%	6	6	0	-3.2%
40.7%	6	6	0	-4.0%
42.0%	6	6	0	-3.4%
43.2%	6	6	0	-3.0%
44.4%	6	6	0	-1.5%
45.7%	6	6	0	-2.1%
46.9%	6	6	0	-2.2%
48.1%	6	6	0	-1.5%
49.4%	6	6	0	-2.0%
50.6%	6	6	0	-1.5%
51.9%	6	6	0	-1.5%
53.1%	6	6	0	-2.9%
54.3%	6	6	0	-2.4%
55.6%	6	6	0	-2.5%
56.8%	6	6	0	-2.4%
58.0%	6	6	0	-3.0%
59.3%	6	6	0	-2.5%
60.5%	6	6	0	-3.3%
61.7%	6	6	0	-3.3%
63.0%	6	6	0	-1.7%
64.2%	6	6	0	-1.0%
65.4%	6	6	0	-0.9%
66.7%	6	6	0	-0.1%
67.9%	5	5	0	0.9%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	-0.9%
71.6%	5	5	0	-1.5%
72.8%	5	5	0	-1.5%
74.1%	5	5	0	-0.8%
75.3%	5	5	0	-0.8%
76.5%	5	5	0	-1.8%
77.8%	5	5	0	-1.8%
79.0%	5	5	0	-0.9%
80.2%	5	5	0	-1.7%
81.5%	5	5	0	-1.1%
82.7%	5	5	0	-0.2%
84.0%	5	5	0	1.8%
85.2%	5	5	0	2.8%
86.4%	5	5	0	2.7%
87.7%	5	5	0	2.8%
88.9%	5	5	0	2.9%
90.1%	5	5	0	6.2%
91.4%	5	5	0	6.9%
92.6%	5	5	0	1.8%
93.8%	5	5	0	1.7%
95.1%	5	5	0	-2.8%
96.3%	5	4	0	-3.8%
97.5%	4	4	0	-2.9%
98.8%	4	4	0	-0.7%
100.0%	4	4	0	4.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	3.7%
2.5%	6	6	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	-2.8%
6.2%	6	6	0	-2.8%
7.4%	6	6	0	-6.8%
8.6%	6	5	0	-5.4%
9.9%	6	5	0	-1.7%
11.1%	6	5	0	-0.9%
12.3%	5	5	0	0.0%
13.6%	5	5	0	-1.0%
14.8%	5	5	0	-1.9%
16.0%	5	5	0	-1.9%
17.3%	5	5	0	-0.8%
18.5%	5	5	0	-0.9%
19.8%	5	5	0	-0.1%
21.0%	5	5	0	-0.1%
22.2%	5	5	0	-1.0%
23.5%	5	5	0	-1.0%
24.7%	5	5	0	-0.8%
25.9%	5	5	0	-1.8%
27.2%	5	5	0	-1.7%
28.4%	5	5	0	-2.0%
29.6%	5	5	0	-2.8%
30.9%	5	5	0	-2.1%
32.1%	5	5	0	-2.8%
33.3%	5	5	0	-3.7%
34.6%	5	5	0	-3.7%
35.8%	5	5	0	-3.0%
37.0%	5	5	0	-3.1%
38.3%	5	5	0	-3.7%
39.5%	5	5	0	-3.8%
40.7%	5	5	0	-4.7%
42.0%	5	5	0	-4.8%
43.2%	5	4	0	-5.2%
44.4%	5	4	0	-5.2%
45.7%	5	4	0	-5.2%
46.9%	5	4	0	-5.8%
48.1%	5	4	0	-4.8%
49.4%	5	4	0	-4.1%
50.6%	5	4	0	-4.9%
51.9%	5	4	0	-5.8%
53.1%	5	4	0	-5.1%
54.3%	5	4	0	-4.1%
55.6%	5	4	0	-4.0%
56.8%	4	4	0	-3.6%
58.0%	4	4	0	-3.8%
59.3%	4	4	0	-4.2%
60.5%	4	4	0	-3.4%
61.7%	4	4	0	-3.5%
63.0%	4	4	0	-3.7%
64.2%	4	4	0	-3.5%
65.4%	4	4	0	-2.7%
66.7%	4	4	0	-2.2%
67.9%	4	4	0	-1.5%
69.1%	4	4	0	-1.8%
70.4%	4	4	0	-1.4%
71.6%	4	4	0	-1.4%
72.8%	4	4	0	-1.2%
74.1%	4	4	0	-0.3%
75.3%	4	4	0	0.1%
76.5%	4	4	0	0.6%
77.8%	4	4	0	1.3%
79.0%	4	4	0	0.8%
80.2%	4	4	0	1.4%
81.5%	4	4	0	3.8%
82.7%	4	4	0	3.4%
84.0%	4	4	0	3.8%
85.2%	4	4	0	3.9%
86.4%	4	4	0	3.2%
87.7%	4	4	0	3.4%
88.9%	4	4	0	4.5%
90.1%	4	4	0	5.0%
91.4%	4	4	0	5.1%
92.6%	4	4	0	7.3%
93.8%	4	4	0	4.3%
95.1%	4	4	0	2.8%
96.3%	4	4	0	-2.3%
97.5%	3	3	0	0.5%
98.8%	3	3	0	4.1%
100.0%	3	3	0	8.4%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.8%
1.2%	7	6	0	-3.9%
2.5%	7	6	0	-3.4%
3.7%	7	6	0	-5.2%
4.9%	7	6	0	-7.0%
6.2%	6	6	0	-4.7%
7.4%	6	6	0	0.1%
8.6%	6	6	0	0.0%
9.9%	6	6	0	2.2%
11.1%	6	6	0	2.2%
12.3%	6	6	0	1.4%
13.6%	6	6	0	0.6%
14.8%	6	6	0	0.1%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-3.7%
18.5%	6	5	0	-6.1%
19.8%	5	5	0	-7.8%
21.0%	5	5	0	-8.6%
22.2%	5	5	0	-5.2%
23.5%	5	5	0	-5.4%
24.7%	5	5	0	-2.7%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	0.0%
28.4%	5	5	0	-2.1%
29.6%	5	4	0	-6.2%
30.9%	4	4	0	-2.5%
32.1%	4	4	0	-4.9%
33.3%	4	4	0	-6.1%
34.6%	4	4	0	-2.3%
35.8%	4	3	-1	-19.0%
37.0%	4	3	-1	-18.3%
38.3%	4	3	-1	-18.0%
39.5%	4	3	-1	-20.3%
40.7%	3	3	0	-13.6%
42.0%	3	3	0	-6.2%
43.2%	3	3	0	-3.6%
44.4%	3	3	0	-3.2%
45.7%	3	3	0	-4.3%
46.9%	3	3	0	-3.9%
48.1%	3	3	0	-7.3%
49.4%	3	3	0	-5.2%
50.6%	3	3	0	-4.8%
51.9%	3	3	0	-5.0%
53.1%	3	3	0	-4.3%
54.3%	3	3	0	0.3%
55.6%	3	3	0	-0.7%
56.8%	3	3	0	-0.3%
58.0%	3	3	0	0.3%
59.3%	3	3	0	1.9%
60.5%	3	3	0	1.5%
61.7%	2	3	0	0.7%
63.0%	2	2	0	0.2%
64.2%	2	2	0	0.3%
65.4%	2	2	0	1.0%
66.7%	2	2	0	-0.3%
67.9%	2	2	0	-0.7%
69.1%	2	2	0	-1.3%
70.4%	2	2	0	-2.5%
71.6%	2	2	0	0.6%
72.8%	2	2	0	-0.1%
74.1%	2	2	0	0.0%
75.3%	2	2	0	0.7%
76.5%	2	2	0	0.9%
77.8%	2	2	0	1.0%
79.0%	2	2	0	2.3%
80.2%	2	2	0	4.3%
81.5%	2	2	0	2.9%
82.7%	2	2	0	3.2%
84.0%	2	2	0	1.3%
85.2%	2	2	0	3.2%
86.4%	2	2	0	3.5%
87.7%	2	2	0	4.3%
88.9%	2	2	0	6.6%
90.1%	2	2	0	7.8%
91.4%	2	2	0	1.1%
92.6%	2	2	0	3.9%
93.8%	2	2	0	4.3%
95.1%	2	2	0	4.1%
96.3%	2	2	0	0.7%
97.5%	2	2	0	3.4%
98.8%	2	2	0	3.7%
100.0%	2	2	0	8.5%

Table SW-54-7a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative C	29	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.2%	-0.2%	-0.7%	-0.8%	-1.4%	-0.6%	-0.2%	0.7%	1.1%	0.1%	-0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative C	30	31	31	35	35	34	32	31	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	0.1%	-0.3%	-0.7%	-0.6%	-0.7%	-0.2%	-0.1%	1.1%	0.9%	-0.3%	-0.1%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative C	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.0%	0.4%	-0.3%	-1.5%	-1.0%	-1.7%	-0.7%	-0.2%	0.7%	1.5%	-0.2%	-0.5%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative C	29	30	31	30	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	1	0	0
Percent Difference	0.5%	0.4%	-0.1%	-1.1%	-0.8%	-2.2%	-0.5%	-0.2%	0.2%	1.9%	0.1%	0.3%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative C	29	30	31	30	30	30	29	29	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.8%	0.2%	0.2%	-0.3%	-0.7%	-2.1%	-1.2%	-0.4%	0.5%	1.0%	0.4%	0.2%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative C	29	29	30	29	30	29	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.7%	-0.3%	-0.4%	-0.3%	-0.7%	-1.1%	-0.3%	-0.3%	0.6%	0.6%	1.0%	-0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

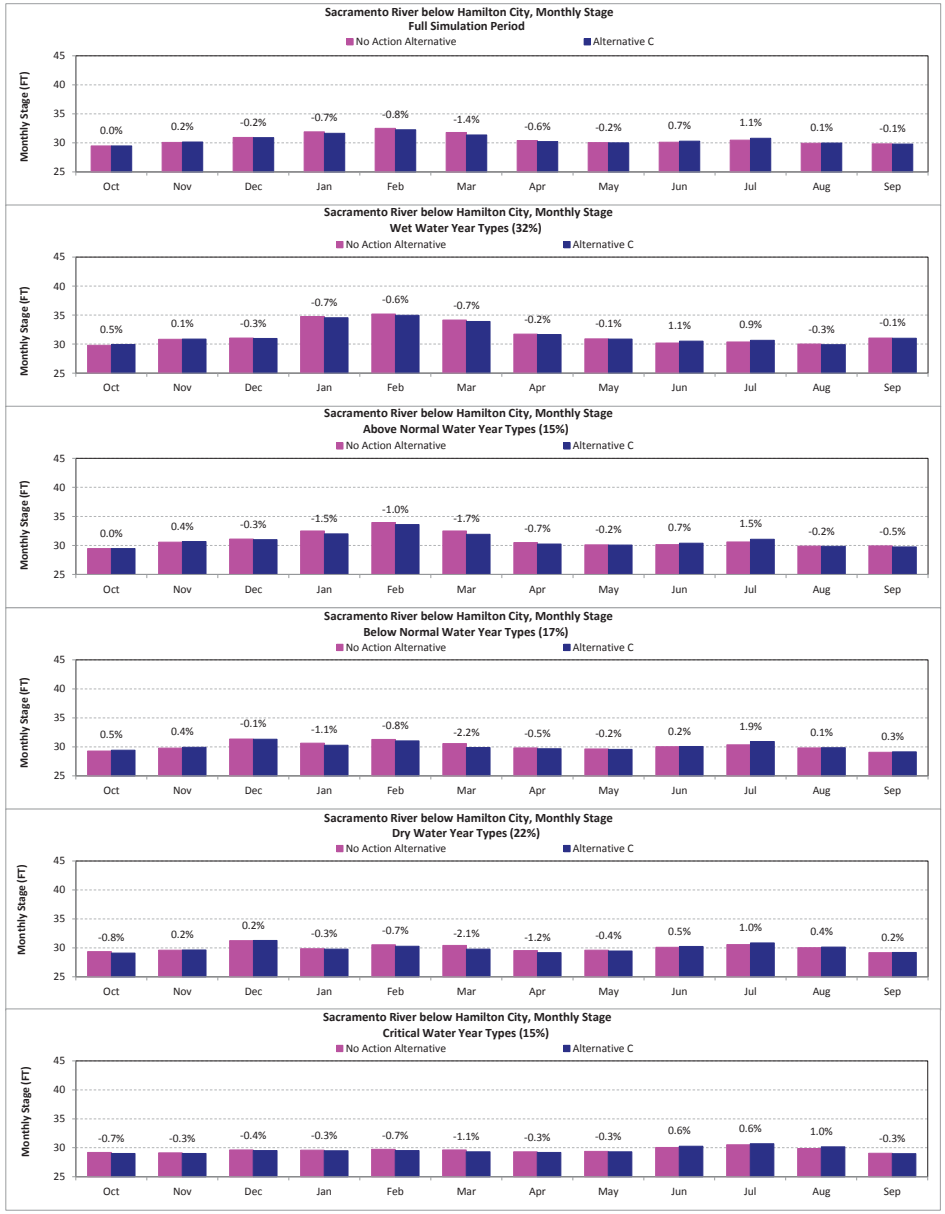

Figure SW-54-7b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

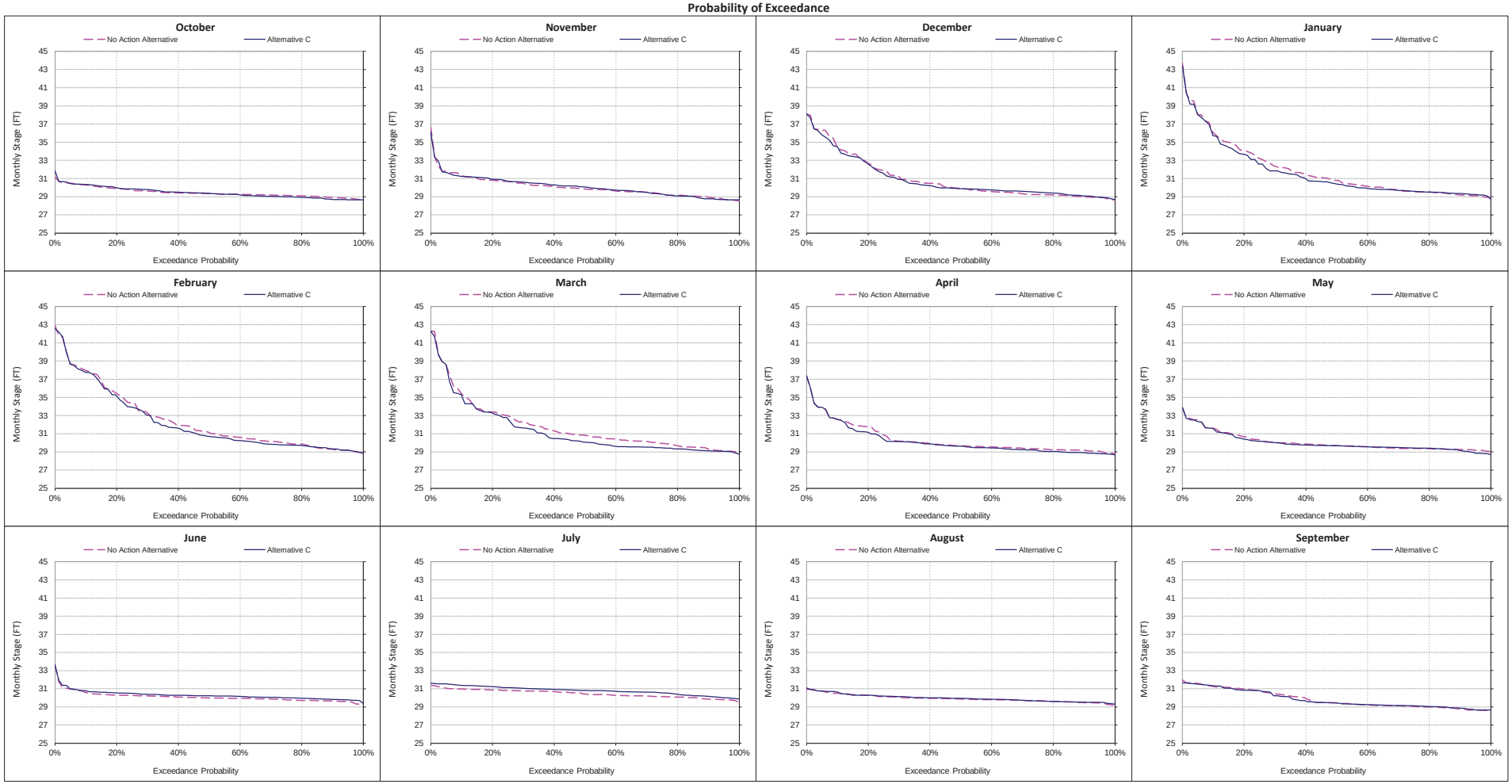

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	2.2%
1.2%	31	31	0	-0.1%
2.5%	31	31	0	0.3%
3.7%	31	31	0	0.3%
4.9%	31	30	0	-0.2%
6.2%	30	30	0	-0.2%
7.4%	30	30	0	0.1%
8.6%	30	30	0	0.1%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.3%
12.3%	30	30	0	0.4%
13.6%	30	30	0	0.3%
14.8%	30	30	0	0.3%
16.0%	30	30	0	0.3%
17.3%	30	30	0	0.5%
18.5%	30	30	0	0.6%
19.8%	30	30	0	0.3%
21.0%	30	30	0	0.1%
22.2%	30	30	0	0.0%
23.5%	30	30	0	0.2%
24.7%	30	30	0	0.2%
25.9%	30	30	0	0.6%
27.2%	30	30	0	0.6%
28.4%	30	30	0	0.5%
29.6%	30	30	0	0.5%
30.9%	30	30	0	0.6%
32.1%	30	30	0	0.4%
33.3%	30	30	0	0.3%
34.6%	29	30	0	0.5%
35.8%	29	30	0	0.3%
37.0%	29	30	0	0.3%
38.3%	29	30	0	0.3%
39.5%	29	29	0	0.2%
40.7%	29	29	0	0.2%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.2%
44.4%	29	29	0	0.2%
45.7%	29	29	0	0.2%
46.9%	29	29	0	0.2%
48.1%	29	29	0	0.2%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.1%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	29	29	0	0.0%
55.6%	29	29	0	-0.1%
56.8%	29	29	0	0.0%
58.0%	29	29	0	0.0%
59.3%	29	29	0	-0.1%
60.5%	29	29	0	-0.3%
61.7%	29	29	0	-0.4%
63.0%	29	29	0	-0.3%
64.2%	29	29	0	-0.4%
65.4%	29	29	0	-0.5%
66.7%	29	29	0	-0.5%
67.9%	29	29	0	-0.5%
69.1%	29	29	0	-0.6%
70.4%	29	29	0	-0.5%
71.6%	29	29	0	-0.5%
72.8%	29	29	0	-0.5%
74.1%	29	29	0	-0.5%
75.3%	29	29	0	-0.5%
76.5%	29	29	0	-0.5%
77.8%	29	29	0	-0.5%
79.0%	29	29	0	-0.6%
80.2%	29	29	0	-0.6%
81.5%	29	29	0	-0.6%
82.7%	29	29	0	-0.6%
84.0%	29	29	0	-0.7%
85.2%	29	29	0	-0.6%
86.4%	29	29	0	-0.6%
87.7%	29	29	0	-0.7%
88.9%	29	29	0	-0.6%
90.1%	29	29	0	-0.8%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	-0.4%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	0	-1.3%
1.2%	33	33	0	-0.2%
2.5%	32	33	1	1.7%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.4%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-0.8%
8.6%	32	31	0	-1.0%
9.9%	31	31	0	-0.3%
11.1%	31	31	0	-0.1%
12.3%	31	31	0	-0.1%
13.6%	31	31	0	0.1%
14.8%	31	31	0	0.3%
16.0%	31	31	0	0.7%
17.3%	31	31	0	0.6%
18.5%	31	31	0	0.8%
19.8%	31	31	0	0.3%
21.0%	31	31	0	0.4%
22.2%	31	31	0	0.6%
23.5%	31	31	0	0.4%
24.7%	31	31	0	0.1%
25.9%	31	31	0	0.0%
27.2%	31	31	0	0.3%
28.4%	31	31	0	0.5%
29.6%	31	31	0	0.4%
30.9%	30	31	0	0.7%
32.1%	30	31	0	0.7%
33.3%	30	30	0	0.8%
34.6%	30	30	0	0.8%
35.8%	30	30	0	0.7%
37.0%	30	30	0	0.7%
38.3%	30	30	0	0.5%
39.5%	30	30	0	0.5%
40.7%	30	30	0	0.9%
42.0%	30	30	0	0.6%
43.2%	30	30	0	0.7%
44.4%	30	30	0	0.8%
45.7%	30	30	0	0.8%
46.9%	30	30	0	0.7%
48.1%	30	30	0	0.6%
49.4%	30	30	0	0.7%
50.6%	30	30	0	0.7%
51.9%	30	30	0	0.5%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.4%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.3%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	30	0	-0.1%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.4%
72.8%	29	29	0	-0.2%
74.1%	29	29	0	-0.2%
75.3%	29	29	0	-0.1%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.1%
80.2%	29	29	0	-0.2%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.1%
84.0%	29	29	0	-0.1%
85.2%	29	29	0	0.0%
86.4%	29	29	0	-0.5%
87.7%	29	29	0	-0.7%
88.9%	29	29	0	-0.9%
90.1%	29	29	0	-0.6%
91.4%	29	29	0	-0.4%
92.6%	29	29	0	-0.4%
93.8%	29	29	0	-0.4%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.8%
2.5%	36	36	0	0.1%
3.7%	36	36	0	-0.3%
4.9%	36	36	0	-1.4%
6.2%	36	36	-1	-2.1%
7.4%	36	35	0	-1.1%
8.6%	35	35	-1	-2.4%
9.9%	35	35	0	0.0%
11.1%	34	34	0	-1.1%
12.3%	34	34	0	-1.1%
13.6%	34	34	0	-0.8%
14.8%	34	33	0	-0.7%
16.0%	34	33	0	-0.9%
17.3%	33	33	0	0.3%
18.5%	33	33	0	-0.4%
19.8%	33	33	0	-0.1%
21.0%	33	32	0	-0.6%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-1.0%
25.9%	32	31	-1	-1.6%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.6%
29.6%	31	31	0	-1.3%
30.9%	31	31	0	0.0%
32.1%	31	31	0	-0.6%
33.3%	31	30	0	-0.9%
34.6%	31	30	0	-0.9%
35.8%	31	30	0	-1.0%
37.0%	31	30	0	-0.8%
38.3%	31	30	0	-0.8%
39.5%	30	30	0	-0.8%
40.7%	30	30	0	-0.9%
42.0%	30	30	0	-1.2%
43.2%	30	30	0	-1.4%
44.4%	30	30	0	-0.5%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.5%
58.0%	30	30	0	0.6%
59.3%	30	30	0	0.5%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.7%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.5%
66.7%	29	30	0	0.7%
67.9%	29	30	0	0.7%
69.1%	29	30	0	0.8%
70.4%	29	30	0	1.0%
71.6%	29	30	0	1.0%
72.8%	29	30	0	1.0%
74.1%	29	30	0	0.9%
75.3%	29	29	0	0.9%
76.5%	29	29	0	0.8%
77.8%	29	29	0	0.7%
79.0%	29	29	0	0.7%
80.2%	29	29	0	0.7%
81.5%	29	29	0	0.7%
82.7%	29	29	0	0.6%
84.0%	29	29	0	0.3%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.4%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.2%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.3%
100.0%	29	29	0	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	43	0	-0.7%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.0%
6.2%	38	38	0	-0.7%
7.4%	37	37	0	0.0%
8.6%	37	37	0	-0.6%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	-1	-1.5%
13.6%	35	35	0	-1.2%
14.8%	35	34	-1	-1.5%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-2.0%
18.5%	34	34	0	-1.4%
19.8%	34	34	0	-1.1%
21.0%	34	34	0	-1.2%
22.2%	34	33	-1	-2.1%
23.5%	34	33	-1	-1.5%
24.7%	33	33	-1	-2.0%
25.9%	33	33	-1	-1.5%
27.2%	33	32	-1	-2.3%
28.4%	33	32	-1	-2.4%
29.6%	32	32	-1	-1.7%
30.9%	32	32	0	-1.3%
32.1%	32	32	-1	-1.8%
33.3%	32	32	-1	-1.8%
34.6%	32	32	-1	-1.7%
35.8%	32	31	0	-0.6%
37.0%	32	31	0	-0.8%
38.3%	32	31	0	-1.5%
39.5%	32	31	0	-1.4%
40.7%	31	31	-1	-1.9%
42.0%	31	31	-1	-1.7%
43.2%	31	31	0	-1.4%
44.4%	31	31	0	-1.4%
45.7%	31	31	0	-1.4%
46.9%	31	31	0	-1.3%
48.1%	31	31	0	-1.2%
49.4%	31	30	0	-1.1%
50.6%	31	30	0	-1.3%
51.9%	31	30	0	-0.6%
53.1%	30	30	0	-0.8%
54.3%	30	30	0	-0.8%
55.6%	30	30	0	-0.9%
56.8%	30	30	0	-1.1%
58.0%	30	30	0	-0.9%
59.3%	30	30	0	-0.8%
60.5%	30	30	0	-0.8%
61.7%	30	30	0	-0.7%
63.0%	30	30	0	-0.8%
64.2%	30	30	0	-0.9%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.2%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.0%
79.0%	30	30	0	0.0%
80.2%	30	29	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.3%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.5%
92.6%	29	29	0	0.5%
93.8%	29	29	0	0.4%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	-0.8%
1.2%	42	42	0	1.0%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.1%
6.2%	39	39	0	-0.2%
7.4%	38	38	0	-0.7%
8.6%	38	38	0	-0.5%
9.9%	38	38	0	-0.6%
11.1%	38	38	0	-0.3%
12.3%	38	38	0	-0.2%
13.6%	38	37	0	-1.1%
14.8%	37	37	0	-1.2%
16.0%	36	36	0	-0.4%
17.3%	36	36	0	-0.1%
18.5%	36	35	0	-1.3%
19.8%	35	35	0	-0.7%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	0	-1.4%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.5%
27.2%	34	34	0	0.5%
28.4%	33	33	0	0.0%
29.6%	33	33	0	-0.9%
30.9%	33	33	0	0.1%
32.1%	33	32	-1	-1.9%
33.3%	33	32	-1	-1.9%
34.6%	33	32	-1	-2.4%
35.8%	32	32	-1	-1.9%
37.0%	32	32	-1	-2.4%
38.3%	32	32	-1	-1.8%
39.5%	32	32	0	-1.0%
40.7%	32	32	0	-1.2%
42.0%	32	31	-1	-1.9%
43.2%	32	31	-1	-1.9%
44.4%	32	31	-1	-2.0%
45.7%	31	31	0	-1.1%
46.9%	31	31	0	-1.5%
48.1%	31	31	0	-1.5%
49.4%	31	31	-1	-1.6%
50.6%	31	31	0	-1.2%
51.9%	31	31	0	-1.1%
53.1%	31	31	0	-1.2%
54.3%	31	31	0	-0.7%
55.6%	31	31	0	-0.7%
56.8%	31	30	0	-0.9%
58.0%	31	30	0	-1.3%
59.3%	31	30	0	-1.2%
60.5%	31	30	0	-1.2%
61.7%	30	30	0	-0.8%
63.0%	30	30	0	-1.0%
64.2%	30	30	0	-1.0%
65.4%	30	30	0	-1.0%
66.7%	30	30	0	-0.8%
67.9%	30	30	0	-1.1%
69.1%	30	30	0	-1.0%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.1%
72.8%	30	30	0	-1.0%
74.1%	30	30	0	-0.8%
75.3%	30	30	0	-0.7%
76.5%	30	30	0	-0.4%
77.8%	30	30	0	-0.4%
79.0%	30	30	0	-0.5%
80.2%	30	30	0	-0.6%
81.5%	30	30	0	-0.3%
82.7%	30	30	0	-0.4%
84.0%	30	30	0	-0.1%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	-0.2%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	42	42	-1	-1.3%
2.5%	40	40	0	0.0%
3.7%	39	39	0	0.0%
4.9%	39	39	0	0.0%
6.2%	37	37	-1	-1.9%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-1.6%
9.9%	35	35	0	-0.4%
11.1%	35	34	-1	-2.1%
12.3%	35	34	-1	-1.5%
13.6%	34	34	0	0.2%
14.8%	34	34	0	0.0%
16.0%	34	34	0	-0.6%
17.3%	33	33	0	-0.1%
18.5%	33	33	0	-0.2%
19.8%	33	33	0	-0.3%
21.0%	33	33	0	-0.8%
22.2%	33	33	0	-0.4%
23.5%	33	33	0	-0.8%
24.7%	33	33	0	-0.7%
25.9%	33	32	-1	-1.8%
27.2%	33	32	-1	-2.4%
28.4%	32	32	-1	-1.8%
29.6%	32	32	-1	-2.0%
30.9%	32	32	-1	-1.9%
32.1%	32	32	0	-1.5%
33.3%	32	31	0	-1.4%
34.6%	32	31	-1	-2.3%
35.8%	32	31	-1	-2.2%
37.0%	32	31	-1	-1.9%
38.3%	31	31	-1	-2.9%
39.5%	31	30	-1	-2.9%
40.7%	31	30	-1	-2.6%
42.0%	31	30	-1	-2.1%
43.2%	31	30	-1	-2.1%
44.4%	31	30	-1	-2.2%
45.7%	31	30	-1	-2.2%
46.9%	31	30	-1	-2.2%
48.1%	31	30	-1	-2.2%
49.4%	31	30	-1	-2.5%
50.6%	31	30	-1	-2.5%
51.9%	31	30	-1	-2.1%
53.1%	31	30	-1	-2.0%
54.3%	31	30	-1	-2.5%
55.6%	31	30	-1	-2.3%
56.8%	30	30	-1	-2.2%
58.0%	30	30	-1	-2.3%
59.3%	30	30	-1	-2.6%
60.5%	30	30	-1	-2.7%
61.7%	30	30	-1	-2.4%
63.0%	30	30	-1	-2.4%
64.2%	30	30	-1	-2.2%
65.4%	30	30	-1	-2.2%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-2.0%
71.6%	30	30	-1	-1.8%
72.8%	30	29	-1	-1.9%
74.1%	30	29	0	-1.6%
75.3%	30	29	-1	-1.7%
76.5%	30	29	0	-1.5%
77.8%	30	29	0	-1.5%
79.0%	30	29	0	-1.4%
80.2%	30	29	0	-1.2%
81.5%	30	29	0	-0.9%
82.7%	30	29	0	-0.9%
84.0%	30	29	0	-1.0%
85.2%	30	29	0	-1.0%
86.4%	30	29	0	-1.2%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.1%
90.1%	29	29	0	-0.6%
91.4%	29	29	0	-0.6%
92.6%	29	29	0	-0.3%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	-0.5%
100.0%	29	29	0	-0.5%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	0	0.0%
1.2%	36	36	0	0.0%
2.5%	34	34	0	0.0%
3.7%	34	34	0	0.0%
4.9%	34	34	0	0.0%
6.2%	34	34	0	0.0%
7.4%	33	33	0	0.0%
8.6%	33	33	0	0.0%
9.9%	33	33	0	0.0%
11.1%	32	32	0	0.0%
12.3%	32	32	0	-0.5%
13.6%	32	32	-1	-1.8%
14.8%	32	32	0	-1.4%
16.0%	32	31	-1	-1.8%
17.3%	32	31	-1	-2.0%
18.5%	32	31	-1	-1.9%
19.8%	32	31	-1	-1.9%
21.0%	32	31	-1	-2.4%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-1.2%
24.7%	31	30	0	-1.6%
25.9%	31	30	-1	-1.9%
27.2%	30	30	0	-0.5%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	0.0%
34.6%	30	30	0	-0.1%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.3%
40.7%	30	30	0	0.0%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.1%
44.4%	30	30	0	-0.2%
45.7%	30	30	0	-0.2%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.1%
51.9%	30	30	0	-0.3%
53.1%	30	30	0	-0.3%
54.3%	30	29	0	-0.5%
55.6%	30	29	0	-0.5%
56.8%	30	29	0	-0.4%
58.0%	30	29	0	-0.3%
59.3%	30	29	0	-0.3%
60.5%	30	29	0	-0.4%
61.7%	30	29	0	-0.4%
63.0%	29	29	0	-0.3%
64.2%	29	29	0	-0.5%
65.4%	29	29	0	-0.6%
66.7%	29	29	0	-0.6%
67.9%	29	29	0	-0.6%
69.1%	29	29	0	-0.6%
70.4%	29	29	0	-0.5%
71.6%	29	29	0	-0.5%
72.8%	29	29	0	-0.4%
74.1%	29	29	0	-0.4%
75.3%	29	29	0	-0.7%
76.5%	29	29	0	-0.8%
77.8%	29	29	0	-0.8%
79.0%	29	29	0	-0.7%
80.2%	29	29	0	-0.7%
81.5%	29	29	0	-0.7%
82.7%	29	29	0	-0.8%
84.0%	29	29	0	-0.9%
85.2%	29	29	0	-0.9%
86.4%	29	29	0	-0.9%
87.7%	29	29	0	-0.9%
88.9%	29	29	0	-0.8%
90.1%	29	29	0	-0.9%
91.4%	29	29	0	-0.8%
92.6%	29	29	0	-0.9%
93.8%	29	29	0	-0.9%
95.1%	29	29	0	-0.9%
96.3%	29	29	0	-0.6%
97.5%	29	29	0	-0.5%
98.8%	29	29	0	-0.4%
100.0%	29	29	0	-0.5%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.0%
1.2%	33	33	0	-0.2%
2.5%	33	33	0	-0.5%
3.7%	33	33	0	-0.1%
4.9%	33	32	0	-0.6%
6.2%	32	32	0	-0.1%
7.4%	32	32	0	0.1%
8.6%	32	32	0	-0.1%
9.9%	32	32	0	-0.1%
11.1%	31	31	0	-0.8%
12.3%	31	31	0	-0.2%
13.6%	31	31	0	-0.2%
14.8%	31	31	0	-0.4%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-1.1%
18.5%	31	31	0	-0.9%
19.8%	31	30	0	-0.9%
21.0%	31	30	0	-1.0%
22.2%	30	30	0	-0.6%
23.5%	30	30	0	-0.5%
24.7%	30	30	0	-0.6%
25.9%	30	30	0	-0.2%
27.2%	30	30	0	0.2%
28.4%	30	30	0	0.0%
29.6%	30	30	0	-0.1%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.4%
34.6%	30	30	0	-0.5%
35.8%	30	30	0	-0.6%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.3%
42.0%	30	30	0	-0.3%
43.2%	30	30	0	-0.4%
44.4%	30	30	0	-0.4%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.1%
48.1%	30	30	0	-0.1%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	-0.1%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.0%
54.3%	30	30	0	-0.1%
55.6%	30	30	0	-0.1%
56.8%	30	30	0	0.0%
58.0%	30	30	0	0.0%
59.3%	30	30	0	0.0%
60.5%	30	30	0	0.1%
61.7%	30	30	0	0.2%
63.0%	29	30	0	0.2%
64.2%	29	30	0	0.1%
65.4%	29	30	0	0.3%
66.7%	29	30	0	0.2%
67.9%	29	29	0	0.2%
69.1%	29	29	0	0.3%
70.4%	29	29	0	0.3%
71.6%	29	29	0	0.3%
72.8%	29	29	0	0.3%
74.1%	29	29	0	0.2%
75.3%	29	29	0	0.3%
76.5%	29	29	0	0.2%
77.8%	29	29	0	0.2%
79.0%	29	29	0	0.2%
80.2%	29	29	0	0.2%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.1%
84.0%	29	29	0	0.0%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.0%
87.7%	29	29	0	0.0%
88.9%	29	29	0	-0.1%
90.1%	29	29	0	-0.3%
91.4%	29	29	0	-0.6%
92.6%	29	29	0	-0.8%
93.8%	29	29	0	-0.8%
95.1%	29	29	0	-1.2%
96.3%	29	29	0	-1.1%
97.5%	29	29	0	-1.1%
98.8%	29	29	0	-1.0%
100.0%	29	29	0	-1.2%

Table SW-54-7b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.4%
1.2%	32	32	0	0.5%
2.5%	31	31	0	0.9%
3.7%	31	31	0	1.0%
4.9%	31	31	0	0.0%
6.2%	31	31	0	0.1%
7.4%	31	31	0	0.3%
8.6%	31	31	0	0.1%
9.9%	31	31	0	0.7%
11.1%	31	31	0	0.5%
12.3%	30	31	0	0.7%
13.6%	30	31	0	0.8%
14.8%	30	31	0	0.8%
16.0%	30	31	0	0.7%
17.3%	30	31	0	0.8%
18.5%	30	31	0	0.9%
19.8%	30	31	0	0.8%
21.0%	30	31	0	0.8%
22.2%	30	31	0	0.7%
23.5%	30	31	0	0.8%
24.7%	30	30	0	0.8%
25.9%	30	30	0	0.8%
27.2%	30	30	0	0.7%
28.4%	30	30	0	0.6%
29.6%	30	30	0	0.6%
30.9%	30	30	0	0.6%
32.1%	30	30	0	0.6%
33.3%	30	30	0	0.7%
34.6%	30	30	0	0.6%
35.8%	30	30	0	0.5%
37.0%	30	30	0	0.5%
38.3%	30	30	0	0.6%
39.5%	30	30	0	0.7%
40.7%	30	30	0	0.7%
42.0%	30	30	0	0.7%
43.2%	30	30	0	0.7%
44.4%	30	30	0	0.7%
45.7%	30	30	0	0.7%
46.9%	30	30	0	0.7%
48.1%	30	30	0	0.8%
49.4%	30	30	0	0.8%
50.6%	30	30	0	0.8%
51.9%	30	30	0	0.8%
53.1%	30	30	0	0.8%
54.3%	30	30	0	0.8%
55.6%	30	30	0	0.8%
56.8%	30	30	0	0.8%
58.0%	30	30	0	0.8%
59.3%	30	30	0	0.7%
60.5%	30	30	0	0.7%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.7%
66.7%	30	30	0	0.6%
67.9%	30	30	0	0.6%
69.1%	30	30	0	0.6%
70.4%	30	30	0	0.6%
71.6%	30	30	0	0.7%
72.8%	30	30	0	0.6%
74.1%	30	30	0	0.6%
75.3%	30	30	0	0.8%
76.5%	30	30	0	0.8%
77.8%	30	30	0	0.8%
79.0%	30	30	0	0.9%
80.2%	30	30	0	0.8%
81.5%	30	30	0	0.7%
82.7%	30	30	0	0.7%
84.0%	30	30	0	0.6%
85.2%	30	30	0	0.7%
86.4%	30	30	0	0.6%
87.7%	30	30	0	0.7%
88.9%	30	30	0	0.6%
90.1%	30	30	0	0.6%
91.4%	30	30	0	0.6%
92.6%	30	30	0	0.6%
93.8%	30	30	0	0.6%
95.1%	30	30	0	0.6%
96.3%	30	30	0	0.7%
97.5%	29	30	0	1.3%
98.8%	29	30	0	1.3%
100.0%	29	29	0	0.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	0	0.8%
1.2%	31	32	0	0.7%
2.5%	31	32	0	1.0%
3.7%	31	32	0	1.2%
4.9%	31	32	0	1.5%
6.2%	31	32	1	1.6%
7.4%	31	31	0	1.4%
8.6%	31	31	0	1.5%
9.9%	31	31	0	1.3%
11.1%	31	31	0	1.3%
12.3%	31	31	0	1.3%
13.6%	31	31	0	1.3%
14.8%	31	31	0	1.2%
16.0%	31	31	0	1.3%
17.3%	31	31	0	1.2%
18.5%	31	31	0	1.2%
19.8%	31	31	0	1.2%
21.0%	31	31	0	1.1%
22.2%	31	31	0	1.1%
23.5%	31	31	0	1.0%
24.7%	31	31	0	1.0%
25.9%	31	31	0	1.0%
27.2%	31	31	0	1.0%
28.4%	31	31	0	0.9%
29.6%	31	31	0	0.9%
30.9%	31	31	0	0.9%
32.1%	31	31	0	0.8%
33.3%	31	31	0	0.8%
34.6%	31	31	0	0.8%
35.8%	31	31	0	0.8%
37.0%	31	31	0	0.8%
38.3%	31	31	0	0.7%
39.5%	31	31	0	0.8%
40.7%	31	31	0	0.8%
42.0%	31	31	0	0.9%
43.2%	31	31	0	0.9%
44.4%	31	31	0	0.9%
45.7%	31	31	0	1.0%
46.9%	31	31	0	0.9%
48.1%	31	31	0	0.9%
49.4%	30	31	0	1.2%
50.6%	30	31	0	1.4%
51.9%	30	31	0	1.4%
53.1%	30	31	0	1.4%
54.3%	30	31	0	1.4%
55.6%	30	31	0	1.4%
56.8%	30	31	0	1.4%
58.0%	30	31	0	1.4%
59.3%	30	31	0	1.4%
60.5%	30	31	0	1.4%
61.7%	30	31	0	1.4%
63.0%	30	31	0	1.4%
64.2%	30	31	0	1.5%
65.4%	30	31	0	1.4%
66.7%	30	31	0	1.3%
67.9%	30	31	0	1.4%
69.1%	30	31	0	1.4%
70.4%	30	31	0	1.4%
71.6%	30	31	0	1.5%
72.8%	30	31	0	1.6%
74.1%	30	31	0	1.5%
75.3%	30	31	0	1.3%
76.5%	30	31	0	1.4%
77.8%	30	31	0	1.3%
79.0%	30	30	0	1.1%
80.2%	30	30	0	0.9%
81.5%	30	30	0	0.8%
82.7%	30	30	0	0.8%
84.0%	30	30	0	0.9%
85.2%	30	30	0	0.7%
86.4%	30	30	0	0.8%
87.7%	30	30	0	1.0%
88.9%	30	30	0	1.0%
90.1%	30	30	0	1.0%
91.4%	30	30	0	1.0%
92.6%	30	30	0	0.9%
93.8%	30	30	0	0.8%
95.1%	30	30	0	0.7%
96.3%	30	30	0	0.7%
97.5%	30	30	0	0.7%
98.8%	30	30	0	0.7%
100.0%	29	30	0	1.4%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.5%
1.2%	31	31	0	0.0%
2.5%	31	31	0	-0.2%
3.7%	31	31	0	0.0%
4.9%	31	31	0	0.0%
6.2%	31	31	0	0.2%
7.4%	31	31	0	0.3%
8.6%	31	31	0	0.6%
9.9%	30	31	0	0.5%
11.1%	30	30	0	-0.1%
12.3%	30	30	0	0.2%
13.6%	30	30	0	0.2%
14.8%	30	30	0	-0.2%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.2%
18.5%	30	30	0	0.0%
19.8%	30	30	0	0.0%
21.0%	30	30	0	0.1%
22.2%	30	30	0	0.1%
23.5%	30	30	0	0.2%
24.7%	30	30	0	0.2%
25.9%	30	30	0	0.2%
27.2%	30	30	0	0.2%
28.4%	30	30	0	0.1%
29.6%	30	30	0	0.3%
30.9%	30	30	0	0.4%
32.1%	30	30	0	0.3%
33.3%	30	30	0	0.3%
34.6%	30	30	0	0.2%
35.8%	30	30	0	0.2%
37.0%	30	30	0	0.2%
38.3%	30	30	0	0.1%
39.5%	30	30	0	0.2%
40.7%	30	30	0	0.2%
42.0%	30	30	0	0.2%
43.2%	30	30	0	0.3%
44.4%	30	30	0	0.2%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.2%
48.1%	30	30	0	0.2%
49.4%	30	30	0	0.2%
50.6%	30	30	0	0.3%
51.9%	30	30	0	0.2%
53.1%	30	30	0	0.2%
54.3%	30	30	0	0.2%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.2%
59.3%	30	30	0	0.2%
60.5%	30	30	0	0.1%
61.7%	30	30	0	0.1%
63.0%	30	30	0	0.2%
64.2%	30	30	0	0.1%
65.4%	30	30	0	0.1%
66.7%	30	30	0	0.1%
67.9%	30	30	0	0.1%
69.1%	30	30	0	0.0%
70.4%	30	30	0	-0.1%
71.6%	30	30	0	0.0%
72.8%	30	30	0	-0.1%
74.1%	30	30	0	-0.1%
75.3%	30	30	0	-0.1%
76.5%	30	30	0	-0.1%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	30	30	0	0.0%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.0%
87.7%	30	30	0	0.1%
88.9%	29	30	0	0.1%
90.1%	29	30	0	0.2%
91.4%	29	30	0	0.1%
92.6%	29	30	0	0.1%
93.8%	29	30	0	0.2%
95.1%	29	30	0	0.2%
96.3%	29	30	0	0.3%
97.5%	29	29	0	0.4%
98.8%	29	29	0	0.5%
100.0%	29	29	0	0.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-1.0%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.2%
3.7%	32	32	0	-0.3%
4.9%	32	31	0	-0.3%
6.2%	32	31	0	-0.1%
7.4%	31	31	0	0.2%
8.6%	31	31	0	0.2%
9.9%	31	31	0	0.3%
11.1%	31	31	0	0.3%
12.3%	31	31	0	0.3%
13.6%	31	31	0	-0.3%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.3%
17.3%	31	31	0	-0.4%
18.5%	31	31	0	-0.5%
19.8%	31	31	0	-0.4%
21.0%	31	31	0	-0.4%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	0.0%
24.7%	31	31	0	0.2%
25.9%	31	31	0	0.1%
27.2%	31	31	0	0.3%
28.4%	31	31	0	0.3%
29.6%	30	30	0	-0.7%
30.9%	30	30	0	-0.6%
32.1%	30	30	0	-0.6%
33.3%	30	30	0	-0.5%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-1.0%
37.0%	30	30	0	-1.1%
38.3%	30	30	0	-1.2%
39.5%	30	30	0	-1.0%
40.7%	30	30	0	-0.8%
42.0%	30	30	0	-0.3%
43.2%	30	30	0	0.0%
44.4%	29	29	0	0.0%
45.7%	29	29	0	-0.1%
46.9%	29	29	0	-0.1%
48.1%	29	29	0	-0.1%
49.4%	29	29	0	-0.1%
50.6%	29	29	0	0.1%
51.9%	29	29	0	-0.1%
53.1%	29	29	0	-0.2%
54.3%	29	29	0	0.0%
55.6%	29	29	0	0.1%
56.8%	29	29	0	0.1%
58.0%	29	29	0	0.1%
59.3%	29	29	0	0.2%
60.5%	29	29	0	0.0%
61.7%	29	29	0	0.1%
63.0%	29	29	0	0.2%
64.2%	29	29	0	0.2%
65.4%	29	29	0	0.1%
66.7%	29	29	0	0.0%
67.9%	29	29	0	0.0%
69.1%	29	29	0	0.0%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.1%
72.8%	29	29	0	0.2%
74.1%	29	29	0	0.2%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.3%
77.8%	29	29	0	0.3%
79.0%	29	29	0	0.3%
80.2%	29	29	0	0.2%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.2%
85.2%	29	29	0	0.3%
86.4%	29	29	0	0.1%
87.7%	29	29	0	0.0%
88.9%	29	29	0	0.2%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.1%
92.6%	29	29	0	0.3%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.1%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

Table SW-56-7a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative C	30	33	34	36	37	36	31	30	29	32	30	32
Difference	1	1	0	-1	-1	-1	0	0	0	2	1	1
Percent Difference[3]	3.4%	3.6%	0.0%	-2.2%	-1.8%	-3.9%	-0.7%	0.1%	1.6%	5.5%	4.0%	3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative C	32	36	35	41	42	40	36	33	30	31	29	37
Difference	2	1	0	0	0	0	0	0	1	2	0	1
Percent Difference	5.2%	3.6%	-0.1%	-1.1%	-0.9%	-1.2%	-0.4%	-0.1%	1.8%	5.5%	0.6%	3.0%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative C	30	34	35	38	40	39	33	30	29	32	29	32
Difference	1	2	0	-1	-1	-2	-1	0	0	2	1	1
Percent Difference	3.6%	5.4%	-1.0%	-2.6%	-2.9%	-4.0%	-1.6%	-0.8%	0.0%	6.8%	2.6%	2.6%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative C	30	32	36	34	37	33	30	28	28	32	29	29
Difference	1	1	0	-2	-1	-3	0	0	0	2	1	1
Percent Difference	4.2%	3.6%	0.8%	-5.4%	-1.7%	-7.5%	-1.1%	-0.7%	0.7%	7.8%	4.5%	4.0%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative C	29	31	35	32	34	32	28	28	29	32	31	30
Difference	0	1	0	0	-1	-2	0	0	1	2	2	2
Percent Difference	1.2%	3.7%	0.7%	-1.5%	-2.3%	-6.4%	-0.9%	1.5%	2.8%	5.1%	6.8%	5.3%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative C	28	28	31	31	31	31	27	27	29	31	31	29
Difference	0	0	0	-1	-1	-1	0	0	1	1	2	1
Percent Difference	1.5%	1.2%	-1.0%	-1.7%	-2.3%	-2.6%	0.6%	0.7%	2.1%	2.6%	8.4%	2.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

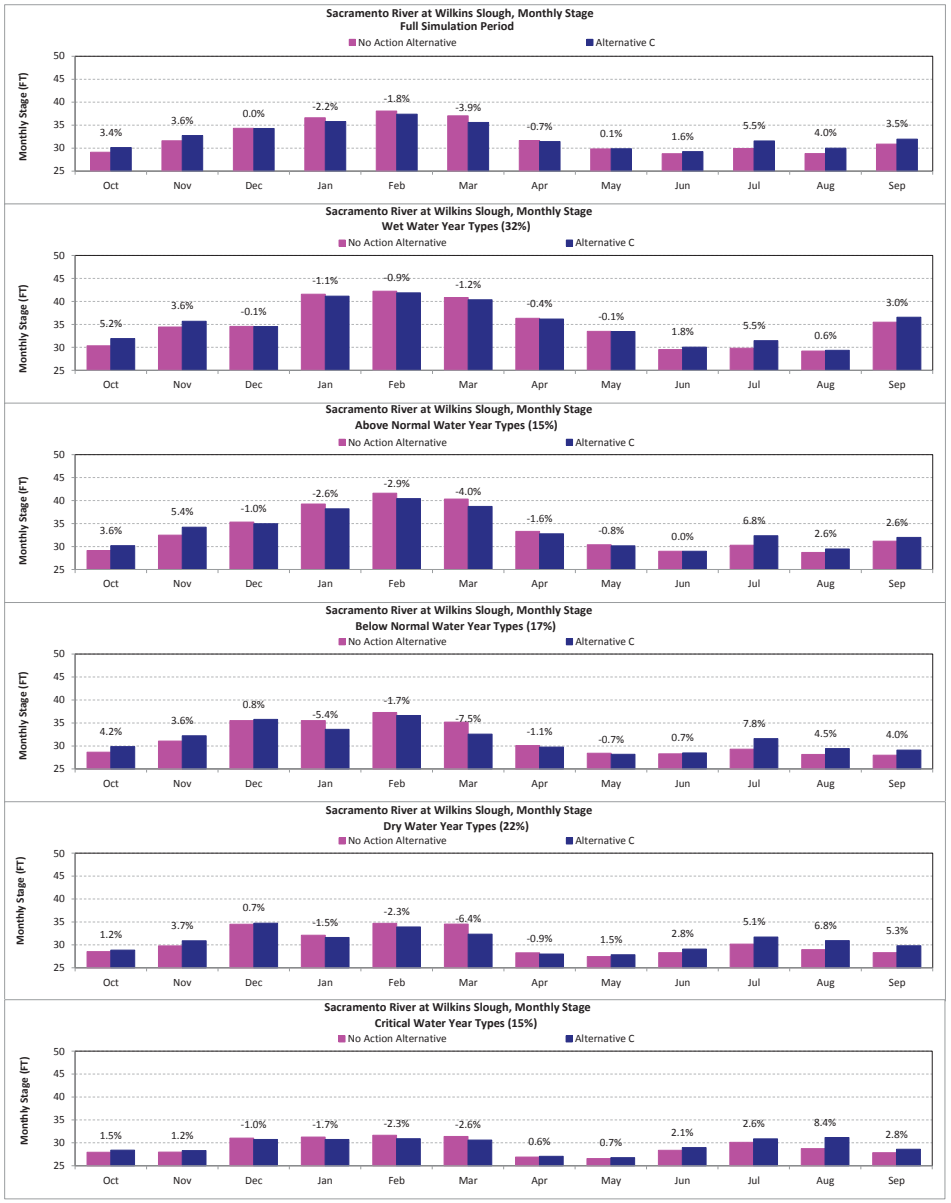

Figure SW-56-7b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

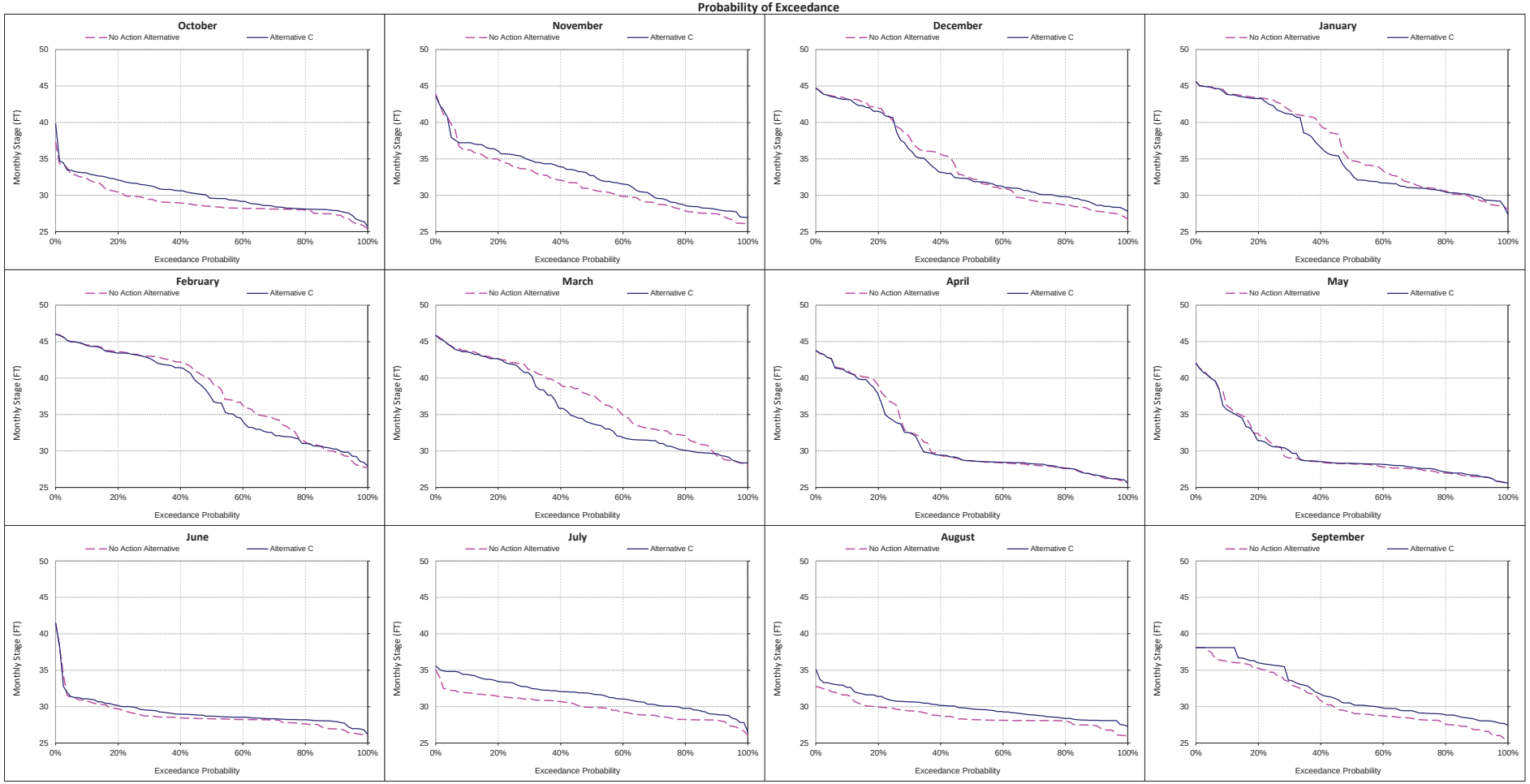

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	40	3	6.9%
1.2%	34	35	0	1.1%
2.5%	34	34	0	0.5%
3.7%	34	33	0	-0.9%
4.9%	33	33	1	1.8%
6.2%	33	33	0	1.3%
7.4%	33	33	1	1.8%
8.6%	32	33	1	1.9%
9.9%	32	33	1	2.2%
11.1%	32	33	1	2.8%
12.3%	32	33	1	3.1%
13.6%	32	33	1	2.7%
14.8%	31	33	1	3.9%
16.0%	31	33	2	5.5%
17.3%	31	32	2	5.3%
18.5%	31	32	2	5.5%
19.8%	30	32	2	5.4%
21.0%	30	32	2	5.2%
22.2%	30	32	2	6.4%
23.5%	30	32	2	6.2%
24.7%	30	32	2	6.2%
25.9%	30	32	2	6.2%
27.2%	30	31	2	5.7%
28.4%	30	31	2	6.2%
29.6%	29	31	2	6.5%
30.9%	29	31	2	6.2%
32.1%	29	31	2	6.4%
33.3%	29	31	2	6.1%
34.6%	29	31	2	6.0%
35.8%	29	31	2	6.0%
37.0%	29	31	2	6.3%
38.3%	29	31	2	5.7%
39.5%	29	31	2	5.7%
40.7%	29	31	2	5.9%
42.0%	29	30	2	5.5%
43.2%	29	30	2	5.4%
44.4%	29	30	2	5.6%
45.7%	29	30	2	5.4%
46.9%	29	30	2	5.4%
48.1%	28	30	2	5.5%
49.4%	28	30	1	4.0%
50.6%	28	30	1	4.1%
51.9%	28	30	1	4.2%
53.1%	28	30	1	4.2%
54.3%	28	30	1	4.5%
55.6%	28	29	1	4.0%
56.8%	28	29	1	3.9%
58.0%	28	29	1	3.8%
59.3%	28	29	1	3.3%
60.5%	28	29	1	3.4%
61.7%	28	29	1	2.8%
63.0%	28	29	1	2.3%
64.2%	28	29	1	2.2%
65.4%	28	29	1	2.0%
66.7%	28	29	0	1.5%
67.9%	28	29	0	1.6%
69.1%	28	29	0	1.5%
70.4%	28	28	0	1.1%
71.6%	28	28	0	1.0%
72.8%	28	28	0	0.9%
74.1%	28	28	0	0.6%
75.3%	28	28	0	0.6%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.5%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.4%
81.5%	28	28	0	0.4%
82.7%	28	28	1	2.0%
84.0%	27	28	1	2.0%
85.2%	27	28	1	2.1%
86.4%	27	28	1	2.1%
87.7%	27	28	1	1.9%
88.9%	27	28	0	1.7%
90.1%	27	28	1	2.2%
91.4%	27	28	1	1.8%
92.6%	27	28	1	3.0%
93.8%	27	28	1	2.8%
95.1%	26	27	1	3.4%
96.3%	26	27	1	2.4%
97.5%	26	27	0	1.9%
98.8%	26	26	1	2.2%
100.0%	25	26	0	1.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.6%
1.2%	42	42	0	-0.2%
2.5%	41	42	1	1.5%
3.7%	41	41	0	0.0%
4.9%	40	38	-2	-4.6%
6.2%	39	38	-1	-3.6%
7.4%	37	37	0	1.2%
8.6%	36	37	1	2.5%
9.9%	36	37	1	2.8%
11.1%	36	37	1	2.8%
12.3%	36	37	1	3.3%
13.6%	36	37	1	3.4%
14.8%	36	37	1	3.9%
16.0%	35	37	1	4.0%
17.3%	35	36	1	4.0%
18.5%	35	36	1	4.0%
19.8%	35	36	1	3.2%
21.0%	35	36	1	3.0%
22.2%	34	36	1	3.6%
23.5%	34	36	1	3.9%
24.7%	34	36	2	4.8%
25.9%	34	35	2	4.8%
27.2%	34	35	2	5.1%
28.4%	34	35	1	4.3%
29.6%	33	35	1	4.3%
30.9%	33	35	1	4.0%
32.1%	33	35	1	4.5%
33.3%	33	35	2	5.1%
34.6%	33	34	2	4.8%
35.8%	33	34	2	5.0%
37.0%	32	34	2	6.3%
38.3%	32	34	2	5.9%
39.5%	32	34	2	5.8%
40.7%	32	34	2	5.7%
42.0%	32	34	2	5.7%
43.2%	32	34	2	5.7%
44.4%	32	33	2	5.4%
45.7%	32	33	2	4.9%
46.9%	31	33	2	7.3%
48.1%	31	33	2	6.9%
49.4%	31	33	2	5.9%
50.6%	31	33	2	6.5%
51.9%	31	32	2	5.6%
53.1%	31	32	1	4.8%
54.3%	30	32	1	4.7%
55.6%	30	32	2	5.0%
56.8%	30	32	2	5.1%
58.0%	30	32	2	5.3%
59.3%	30	32	2	5.7%
60.5%	30	32	2	5.6%
61.7%	30	31	2	5.6%
63.0%	30	31	1	4.7%
64.2%	30	31	1	3.3%
65.4%	29	30	1	3.8%
66.7%	29	30	1	4.6%
67.9%	29	30	1	4.4%
69.1%	29	30	1	3.2%
70.4%	29	30	1	2.4%
71.6%	29	30	1	2.8%
72.8%	29	30	1	2.7%
74.1%	29	29	1	2.4%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.6%
77.8%	28	29	1	2.3%
79.0%	28	29	1	2.9%
80.2%	28	29	1	2.7%
81.5%	28	28	1	2.6%
82.7%	28	28	1	2.8%
84.0%	28	28	1	3.1%
85.2%	28	28	1	2.6%
86.4%	28	28	1	2.5%
87.7%	28	28	1	2.5%
88.9%	27	28	1	2.5%
90.1%	27	28	1	2.2%
91.4%	27	28	1	2.4%
92.6%	27	28	1	3.3%
93.8%	27	28	1	3.9%
95.1%	27	28	1	4.4%
96.3%	26	28	2	5.9%
97.5%	26	27	1	3.3%
98.8%	26	27	1	3.3%
100.0%	26	27	1	3.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	44	0	-0.2%
2.5%	44	44	0	0.0%
3.7%	44	44	0	0.2%
4.9%	44	44	0	-0.4%
6.2%	44	43	0	-0.2%
7.4%	44	43	0	-0.6%
8.6%	43	43	0	-0.6%
9.9%	43	43	0	0.0%
11.1%	43	43	0	-0.2%
12.3%	43	43	-1	-1.2%
13.6%	43	42	-1	-1.8%
14.8%	43	42	-1	-1.2%
16.0%	43	42	-1	-1.6%
17.3%	42	42	0	-0.4%
18.5%	42	42	-1	-1.4%
19.8%	42	42	0	-1.1%
21.0%	42	41	-1	-1.2%
22.2%	41	41	0	-0.4%
23.5%	41	41	0	-0.2%
24.7%	40	41	0	1.1%
25.9%	39	39	-1	-2.0%
27.2%	39	38	-2	-3.9%
28.4%	39	37	-1	-3.5%
29.6%	38	36	-2	-4.8%
30.9%	37	36	-1	-3.7%
32.1%	37	35	-1	-3.8%
33.3%	36	35	-1	-3.1%
34.6%	36	35	-1	-2.9%
35.8%	36	35	-1	-3.9%
37.0%	36	34	-2	-5.5%
38.3%	36	34	-2	-6.4%
39.5%	36	33	-3	-7.2%
40.7%	35	33	-2	-6.6%
42.0%	35	33	-2	-6.7%
43.2%	35	33	-2	-5.9%
44.4%	34	32	-2	-5.3%
45.7%	33	32	-1	-1.6%
46.9%	33	32	0	-1.5%
48.1%	32	32	0	-0.4%
49.4%	32	32	0	-0.8%
50.6%	32	32	0	-1.0%
51.9%	32	32	0	-0.9%
53.1%	32	32	0	0.6%
54.3%	32	32	0	0.9%
55.6%	31	32	0	0.6%
56.8%	31	32	0	1.3%
58.0%	31	31	0	0.6%
59.3%	31	31	0	1.2%
60.5%	31	31	0	0.7%
61.7%	31	31	0	0.7%
63.0%	31	31	0	1.4%
64.2%	30	31	1	4.1%
65.4%	30	31	1	4.1%
66.7%	30	31	1	3.6%
67.9%	29	31	1	4.1%
69.1%	29	30	1	4.1%
70.4%	29	30	1	3.9%
71.6%	29	30	1	3.7%
72.8%	29	30	1	3.7%
74.1%	29	30	1	3.8%
75.3%	29	30	1	4.0%
76.5%	29	30	1	3.8%
77.8%	29	30	1	3.7%
79.0%	29	30	1	3.8%
80.2%	29	30	1	4.0%
81.5%	29	30	1	3.8%
82.7%	28	30	1	3.8%
84.0%	28	30	1	3.9%
85.2%	28	29	1	3.4%
86.4%	28	29	1	3.4%
87.7%	28	29	1	3.6%
88.9%	28	29	1	3.6%
90.1%	28	29	1	2.9%
91.4%	28	29	1	3.1%
92.6%	28	28	1	2.8%
93.8%	28	28	1	3.2%
95.1%	28	28	1	3.0%
96.3%	27	28	1	3.2%
97.5%	27	28	1	3.9%
98.8%	27	28	1	3.8%
100.0%	27	28	1	4.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.2%
1.2%	45	45	0	0.0%
2.5%	45	45	0	-0.2%
3.7%	45	45	0	-0.2%
4.9%	45	45	0	0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	44	0	-0.6%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	-0.2%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-1.0%
23.5%	43	42	-1	-1.6%
24.7%	43	42	-1	-1.8%
25.9%	43	42	-1	-2.4%
27.2%	43	42	-1	-2.4%
28.4%	42	41	-1	-2.1%
29.6%	42	41	-1	-1.5%
30.9%	41	41	0	-0.9%
32.1%	41	41	0	-0.9%
33.3%	41	41	0	-0.9%
34.6%	41	39	-2	-5.8%
35.8%	41	38	-2	-6.0%
37.0%	41	38	-3	-6.7%
38.3%	41	37	-3	-8.0%
39.5%	40	37	-3	-7.6%
40.7%	39	36	-3	-7.7%
42.0%	39	36	-3	-8.3%
43.2%	39	36	-3	-7.7%
44.4%	38	35	-3	-7.8%
45.7%	38	35	-3	-7.8%
46.9%	36	34	-2	-5.0%
48.1%	35	34	-2	-5.2%
49.4%	35	33	-2	-4.5%
50.6%	35	32	-2	-6.5%
51.9%	35	32	-3	-7.3%
53.1%	34	32	-2	-6.8%
54.3%	34	32	-2	-6.1%
55.6%	34	32	-2	-6.5%
56.8%	34	32	-2	-6.3%
58.0%	34	32	-2	-6.3%
59.3%	34	32	-2	-5.8%
60.5%	33	32	-1	-4.5%
61.7%	33	32	-1	-4.0%
63.0%	33	32	-1	-3.4%
64.2%	33	32	-1	-3.3%
65.4%	32	31	-1	-3.4%
66.7%	32	31	-1	-2.3%
67.9%	32	31	-1	-2.4%
69.1%	32	31	-1	-2.2%
70.4%	31	31	0	-1.3%
71.6%	31	31	0	-0.9%
72.8%	31	31	0	-0.4%
74.1%	31	31	0	-0.4%
75.3%	31	31	0	-0.7%
76.5%	31	31	0	-0.5%
77.8%	31	31	0	-0.6%
79.0%	31	31	0	0.0%
80.2%	31	30	0	-0.6%
81.5%	30	30	0	0.4%
82.7%	30	30	0	0.6%
84.0%	30	30	0	0.5%
85.2%	30	30	0	0.4%
86.4%	30	30	0	0.5%
87.7%	30	30	0	0.8%
88.9%	29	30	0	1.5%
90.1%	29	30	0	1.1%
91.4%	29	30	0	1.7%
92.6%	29	29	0	0.6%
93.8%	29	29	1	1.8%
95.1%	29	29	1	1.9%
96.3%	29	29	1	2.3%
97.5%	29	29	1	2.3%
98.8%	28	29	0	0.5%
100.0%	28	27	-1	-2.5%

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	-0.2%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	44	0	-0.2%
11.1%	45	44	0	-0.4%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.4%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	43	0	-0.4%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.2%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.0%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	0.0%
28.4%	43	43	0	-0.2%
29.6%	43	43	0	-0.6%
30.9%	43	43	0	-1.0%
32.1%	43	42	-1	-1.8%
33.3%	43	42	-1	-2.0%
34.6%	43	42	-1	-1.8%
35.8%	43	42	-1	-1.8%
37.0%	42	42	-1	-1.8%
38.3%	42	41	-1	-1.9%
39.5%	42	41	-1	-1.8%
40.7%	42	41	-1	-1.9%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-2.3%
44.4%	41	40	-1	-3.0%
45.7%	41	39	-1	-3.4%
46.9%	40	39	-1	-3.7%
48.1%	40	38	-2	-4.3%
49.4%	40	38	-2	-5.5%
50.6%	39	37	-2	-6.0%
51.9%	39	37	-2	-6.0%
53.1%	38	37	-2	-4.7%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-5.0%
58.0%	37	35	-2	-5.6%
59.3%	37	35	-2	-5.9%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-2	-6.8%
64.2%	35	33	-2	-5.8%
65.4%	35	33	-2	-5.6%
66.7%	35	33	-2	-6.0%
67.9%	35	33	-2	-6.2%
69.1%	35	33	-2	-6.0%
70.4%	34	32	-2	-6.5%
71.6%	34	32	-2	-6.3%
72.8%	34	32	-2	-4.7%
74.1%	33	32	-1	-4.3%
75.3%	33	32	-1	-3.1%
76.5%	33	32	-1	-2.8%
77.8%	32	32	0	-0.5%
79.0%	32	31	0	-1.5%
80.2%	31	31	0	-0.4%
81.5%	31	31	0	0.1%
82.7%	31	31	0	-0.8%
84.0%	31	31	0	-0.4%
85.2%	31	31	0	0.2%
86.4%	30	30	0	1.4%
87.7%	30	30	0	1.4%
88.9%	30	30	0	1.0%
90.1%	30	30	1	1.7%
91.4%	30	30	0	1.0%
92.6%	29	30	1	1.7%
93.8%	29	30	1	1.9%
95.1%	29	29	1	2.6%
96.3%	28	29	1	4.1%
97.5%	28	29	1	2.2%
98.8%	28	28	1	2.4%
100.0%	28	28	0	0.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.3%
2.5%	45	45	0	0.0%
3.7%	45	45	0	0.0%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	-0.4%
9.9%	44	44	0	-0.4%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.8%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.2%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	43	0	0.0%
21.0%	42	42	0	0.0%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	-0.4%
24.7%	42	42	0	-0.6%
25.9%	42	42	0	-0.8%
27.2%	42	41	-1	-1.9%
28.4%	42	41	-1	-2.7%
29.6%	41	41	0	-1.1%
30.9%	41	40	-1	-2.1%
32.1%	41	39	-2	-4.7%
33.3%	40	38	-2	-5.2%
34.6%	40	38	-2	-5.0%
35.8%	40	38	-2	-5.5%
37.0%	40	38	-2	-5.5%
38.3%	40	37	-3	-6.5%
39.5%	39	36	-3	-8.7%
40.7%	39	36	-3	-7.7%
42.0%	39	35	-3	-8.7%
43.2%	39	35	-4	-10.1%
44.4%	39	35	-4	-10.0%
45.7%	39	35	-4	-10.5%
46.9%	38	34	-4	-9.5%
48.1%	38	34	-4	-10.1%
49.4%	38	34	-4	-10.1%
50.6%	38	34	-4	-10.7%
51.9%	37	34	-4	-9.7%
53.1%	37	33	-3	-8.8%
54.3%	36	33	-3	-9.1%
55.6%	36	33	-3	-8.9%
56.8%	36	33	-3	-8.8%
58.0%	36	32	-4	-10.5%
59.3%	35	32	-3	-9.1%
60.5%	35	32	-3	-8.5%
61.7%	35	32	-3	-8.4%
63.0%	34	32	-2	-6.8%
64.2%	34	32	-2	-6.0%
65.4%	33	32	-2	-5.5%
66.7%	33	31	-2	-5.3%
67.9%	33	31	-2	-4.8%
69.1%	33	31	-2	-4.8%
70.4%	33	31	-2	-4.8%
71.6%	33	31	-2	-5.4%
72.8%	33	31	-2	-5.3%
74.1%	33	31	-2	-6.4%
75.3%	32	31	-2	-5.2%
76.5%	32	30	-2	-5.6%
77.8%	32	30	-2	-6.2%
79.0%	32	30	-2	-6.3%
80.2%	32	30	-2	-6.3%
81.5%	31	30	-1	-4.5%
82.7%	31	30	-1	-4.4%
84.0%	31	30	-1	-4.2%
85.2%	31	30	-1	-3.5%
86.4%	31	30	-1	-3.7%
87.7%	31	30	-1	-3.0%
88.9%	30	30	0	-0.7%
90.1%	29	30	0	1.0%
91.4%	29	29	0	0.7%
92.6%	29	29	1	1.8%
93.8%	29	29	0	1.5%
95.1%	29	29	0	0.7%
96.3%	29	29	0	0.1%
97.5%	28	28	0	0.3%
98.8%	28	28	0	0.1%
100.0%	28	28	0	1.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	43	43	0	0.2%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.0%
4.9%	43	43	0	0.0%
6.2%	42	41	0	-0.4%
7.4%	41	41	0	-0.2%
8.6%	41	41	0	-0.2%
9.9%	41	41	0	-0.9%
11.1%	41	41	0	0.0%
12.3%	40	40	0	-0.2%
13.6%	40	40	-1	-1.3%
14.8%	40	40	0	-1.1%
16.0%	40	40	0	-0.9%
17.3%	40	39	-1	-2.2%
18.5%	40	39	-1	-2.6%
19.8%	39	38	-1	-3.2%
21.0%	38	37	-1	-3.8%
22.2%	37	35	-2	-6.6%
23.5%	37	35	-2	-6.4%
24.7%	37	34	-2	-6.4%
25.9%	36	34	-2	-6.5%
27.2%	34	34	-1	-1.7%
28.4%	33	33	0	-1.1%
29.6%	33	33	0	0.0%
30.9%	32	32	0	-0.3%
32.1%	32	32	0	-0.9%
33.3%	32	31	-1	-3.5%
34.6%	31	30	-1	-4.4%
35.8%	31	30	-1	-4.3%
37.0%	30	30	0	-0.4%
38.3%	30	30	0	-0.7%
39.5%	30	29	0	-0.2%
40.7%	29	29	0	0.4%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.3%
44.4%	29	29	0	0.5%
45.7%	29	29	0	0.3%
46.9%	29	29	0	0.0%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.1%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	28	29	0	0.2%
55.6%	28	29	0	0.4%
56.8%	28	28	0	0.2%
58.0%	28	28	0	0.2%
59.3%	28	28	0	0.3%
60.5%	28	28	0	0.4%
61.7%	28	28	0	0.4%
63.0%	28	28	0	0.5%
64.2%	28	28	0	0.5%
65.4%	28	28	0	0.5%
66.7%	28	28	0	0.5%
67.9%	28	28	0	0.6%
69.1%	28	28	0	0.6%
70.4%	28	28	0	0.7%
71.6%	28	28	0	0.8%
72.8%	28	28	0	0.7%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.0%
79.0%	28	28	0	0.3%
80.2%	28	28	0	0.1%
81.5%	28	28	0	0.0%
82.7%	28	28	0	0.0%
84.0%	27	27	0	0.4%
85.2%	27	27	0	-0.4%
86.4%	27	27	0	-0.4%
87.7%	27	27	0	0.0%
88.9%	27	27	0	0.0%
90.1%	27	27	0	0.4%
91.4%	26	27	0	0.4%
92.6%	26	26	0	0.9%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.7%
98.8%	26	26	0	0.9%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	41	41	0	0.0%
2.5%	41	41	0	-0.9%
3.7%	40	40	0	0.0%
4.9%	40	40	0	0.0%
6.2%	40	40	0	0.0%
7.4%	38	38	0	0.0%
8.6%	38	36	-2	-5.0%
9.9%	36	36	-1	-1.6%
11.1%	36	35	0	-1.3%
12.3%	35	35	0	-0.5%
13.6%	35	35	0	-0.8%
14.8%	35	35	0	-0.8%
16.0%	35	33	-1	-3.7%
17.3%	34	33	0	-1.4%
18.5%	32	32	0	0.0%
19.8%	32	31	-1	-3.0%
21.0%	32	31	-1	-1.8%
22.2%	32	31	-1	-2.1%
23.5%	31	31	0	-1.5%
24.7%	31	31	0	-1.2%
25.9%	31	31	0	0.0%
27.2%	31	30	0	-0.1%
28.4%	29	30	1	4.0%
29.6%	29	30	1	3.7%
30.9%	29	30	1	2.2%
32.1%	29	30	1	2.3%
33.3%	29	29	0	-0.3%
34.6%	29	29	0	-0.1%
35.8%	29	29	0	0.0%
37.0%	29	29	0	0.2%
38.3%	29	29	0	0.3%
39.5%	28	29	0	0.3%
40.7%	28	28	0	0.3%
42.0%	28	28	0	0.2%
43.2%	28	28	0	0.3%
44.4%	28	28	0	0.1%
45.7%	28	28	0	0.2%
46.9%	28	28	0	0.2%
48.1%	28	28	0	0.2%
49.4%	28	28	0	0.2%
50.6%	28	28	0	0.3%
51.9%	28	28	0	0.2%
53.1%	28	28	0	0.2%
54.3%	28	28	0	0.2%
55.6%	28	28	0	0.1%
56.8%	28	28	0	0.7%
58.0%	28	28	0	0.7%
59.3%	28	28	0	1.2%
60.5%	28	28	0	1.3%
61.7%	28	28	0	1.3%
63.0%	28	28	0	1.4%
64.2%	28	28	0	1.3%
65.4%	28	28	0	1.2%
66.7%	28	28	0	1.1%
67.9%	28	28	0	0.9%
69.1%	28	28	0	0.8%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	27	28	0	0.9%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.1%
76.5%	27	28	0	1.2%
77.8%	27	27	0	1.3%
79.0%	27	27	0	0.8%
80.2%	27	27	0	0.6%
81.5%	27	27	0	0.5%
82.7%	27	27	0	0.5%
84.0%	27	27	0	0.5%
85.2%	27	27	0	1.1%
86.4%	27	27	0	1.0%
87.7%	27	27	0	0.6%
88.9%	26	27	0	0.8%
90.1%	26	27	0	0.6%
91.4%	26	26	0	0.1%
92.6%	26	26	0	0.1%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

Table SW-56-7b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	0.0%
1.2%	38	38	0	0.0%
2.5%	34	33	-2	-4.8%
3.7%	32	32	0	1.3%
4.9%	31	31	0	0.2%
6.2%	31	31	0	0.1%
7.4%	31	31	0	1.1%
8.6%	31	31	0	0.6%
9.9%	31	31	0	1.0%
11.1%	31	31	0	1.3%
12.3%	30	31	0	1.5%
13.6%	30	31	0	1.0%
14.8%	30	31	0	1.1%
16.0%	30	30	0	0.7%
17.3%	30	30	1	1.9%
18.5%	30	30	1	1.7%
19.8%	30	30	0	1.6%
21.0%	30	30	0	1.5%
22.2%	29	30	1	2.1%
23.5%	29	30	1	2.6%
24.7%	29	30	1	2.9%
25.9%	29	30	1	3.1%
27.2%	29	30	1	2.5%
28.4%	29	30	1	2.8%
29.6%	29	30	1	2.8%
30.9%	29	29	1	2.6%
32.1%	29	29	1	2.8%
33.3%	29	29	1	2.4%
34.6%	29	29	1	2.3%
35.8%	29	29	1	2.2%
37.0%	29	29	1	1.8%
38.3%	29	29	0	1.6%
39.5%	28	29	1	1.8%
40.7%	28	29	1	1.8%
42.0%	28	29	1	1.8%
43.2%	28	29	0	1.8%
44.4%	28	29	0	1.6%
45.7%	28	29	0	1.7%
46.9%	28	29	0	1.6%
48.1%	28	29	0	1.3%
49.4%	28	29	0	1.2%
50.6%	28	29	0	1.2%
51.9%	28	29	0	1.2%
53.1%	28	29	0	1.2%
54.3%	28	29	0	1.0%
55.6%	28	29	0	1.0%
56.8%	28	29	0	1.1%
58.0%	28	29	0	1.1%
59.3%	28	29	0	1.1%
60.5%	28	29	0	1.1%
61.7%	28	28	0	1.0%
63.0%	28	28	0	0.9%
64.2%	28	28	0	0.8%
65.4%	28	28	0	0.7%
66.7%	28	28	0	0.6%
67.9%	28	28	0	0.6%
69.1%	28	28	0	0.6%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.6%
72.8%	28	28	0	1.6%
74.1%	28	28	0	1.6%
75.3%	28	28	0	1.6%
76.5%	28	28	0	1.7%
77.8%	28	28	0	1.8%
79.0%	28	28	1	2.0%
80.2%	28	28	1	2.1%
81.5%	28	28	1	2.2%
82.7%	28	28	1	2.1%
84.0%	28	28	1	1.8%
85.2%	27	28	1	3.0%
86.4%	27	28	1	3.6%
87.7%	27	28	1	4.0%
88.9%	27	28	1	3.8%
90.1%	27	28	1	3.8%
91.4%	27	28	1	3.5%
92.6%	27	28	1	3.6%
93.8%	26	27	1	3.0%
95.1%	26	27	1	2.2%
96.3%	26	27	1	2.5%
97.5%	26	27	1	2.8%
98.8%	26	27	1	2.3%
100.0%	26	26	0	0.5%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	35	36	1	1.6%
1.2%	34	35	1	3.1%
2.5%	32	35	2	7.5%
3.7%	32	35	2	7.4%
4.9%	32	35	3	8.0%
6.2%	32	35	3	8.1%
7.4%	32	35	3	8.5%
8.6%	32	34	2	7.8%
9.9%	32	34	3	7.9%
11.1%	32	34	2	7.8%
12.3%	32	34	2	7.7%
13.6%	32	34	2	7.4%
14.8%	32	34	2	6.8%
16.0%	32	34	2	6.8%
17.3%	32	34	2	6.9%
18.5%	32	34	2	6.6%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.3%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.6%
24.7%	31	33	2	6.5%
25.9%	31	33	2	5.7%
27.2%	31	33	2	5.3%
28.4%	31	33	2	5.5%
29.6%	31	33	2	5.3%
30.9%	31	32	1	4.7%
32.1%	31	32	2	5.1%
33.3%	31	32	1	4.7%
34.6%	31	32	1	4.6%
35.8%	31	32	1	4.5%
37.0%	31	32	1	4.5%
38.3%	31	32	1	4.8%
39.5%	31	32	1	4.5%
40.7%	31	32	1	4.6%
42.0%	31	32	1	4.8%
43.2%	31	32	1	4.9%
44.4%	30	32	2	5.4%
45.7%	30	32	2	5.9%
46.9%	30	32	2	6.5%
48.1%	30	32	2	6.5%
49.4%	30	32	2	6.4%
50.6%	30	32	2	6.0%
51.9%	30	32	2	6.0%
53.1%	30	32	2	6.0%
54.3%	30	31	2	5.6%
55.6%	30	31	2	5.2%
56.8%	30	31	2	5.8%
58.0%	29	31	2	5.3%
59.3%	29	31	2	6.3%
60.5%	29	31	2	6.3%
61.7%	29	31	2	6.1%
63.0%	29	31	2	6.3%
64.2%	29	31	2	6.3%
65.4%	29	31	2	6.1%
66.7%	29	31	2	6.1%
67.9%	29	30	1	5.2%
69.1%	29	30	2	5.2%
70.4%	29	30	1	5.1%
71.6%	29	30	1	5.2%
72.8%	29	30	2	5.3%
74.1%	29	30	1	5.2%
75.3%	28	30	2	5.7%
76.5%	28	30	2	6.2%
77.8%	28	30	2	6.1%
79.0%	28	30	2	5.4%
80.2%	28	30	2	5.4%
81.5%	28	30	2	5.5%
82.7%	28	30	1	4.7%
84.0%	28	30	1	4.7%
85.2%	28	29	1	4.2%
86.4%	28	29	1	3.9%
87.7%	28	29	1	2.9%
88.9%	28	29	1	2.9%
90.1%	28	29	1	2.7%
91.4%	28	29	1	3.1%
92.6%	28	29	1	3.2%
93.8%	27	29	1	5.2%
95.1%	27	28	1	4.1%
96.3%	27	28	1	3.9%
97.5%	27	28	1	3.5%
98.8%	27	28	1	4.3%
100.0%	26	27	0	1.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	35	2	7.2%
1.2%	33	34	1	3.4%
2.5%	32	33	1	2.7%
3.7%	32	33	1	2.7%
4.9%	32	33	1	3.4%
6.2%	32	33	1	3.4%
7.4%	32	33	1	3.9%
8.6%	32	33	1	4.2%
9.9%	32	33	1	3.4%
11.1%	31	33	1	3.9%
12.3%	31	32	1	4.3%
13.6%	30	32	1	4.6%
14.8%	30	32	1	4.8%
16.0%	30	32	2	5.0%
17.3%	30	32	2	5.2%
18.5%	30	32	2	5.3%
19.8%	30	31	1	4.9%
21.0%	30	31	1	5.0%
22.2%	30	31	1	4.1%
23.5%	30	31	1	3.8%
24.7%	30	31	1	3.5%
25.9%	30	31	1	3.7%
27.2%	30	31	1	3.8%
28.4%	30	31	1	3.9%
29.6%	29	31	1	4.2%
30.9%	29	31	1	4.2%
32.1%	29	31	1	4.4%
33.3%	29	31	1	4.4%
34.6%	29	30	1	4.5%
35.8%	29	30	1	4.9%
37.0%	29	30	1	5.1%
38.3%	29	30	1	5.1%
39.5%	29	30	1	5.0%
40.7%	29	30	1	5.2%
42.0%	29	30	1	5.1%
43.2%	29	30	1	5.0%
44.4%	28	30	2	5.6%
45.7%	28	30	2	5.5%
46.9%	28	30	2	5.4%
48.1%	28	30	2	5.5%
49.4%	28	30	1	5.2%
50.6%	28	30	1	5.2%
51.9%	28	30	1	5.0%
53.1%	28	30	1	5.0%
54.3%	28	30	1	5.1%
55.6%	28	30	1	4.9%
56.8%	28	29	1	4.8%
58.0%	28	29	1	4.3%
59.3%	28	29	1	4.3%
60.5%	28	29	1	4.1%
61.7%	28	29	1	4.1%
63.0%	28	29	1	3.8%
64.2%	28	29	1	3.7%
65.4%	28	29	1	3.5%
66.7%	28	29	1	3.1%
67.9%	28	29	1	2.9%
69.1%	28	29	1	2.7%
70.4%	28	29	1	2.7%
71.6%	28	29	1	2.4%
72.8%	28	29	1	2.3%
74.1%	28	29	1	2.0%
75.3%	28	29	1	1.8%
76.5%	28	29	0	1.7%
77.8%	28	28	0	1.6%
79.0%	28	28	0	1.2%
80.2%	28	28	0	1.3%
81.5%	28	28	1	1.9%
82.7%	28	28	1	2.7%
84.0%	27	28	1	2.5%
85.2%	27	28	1	2.5%
86.4%	27	28	1	2.5%
87.7%	27	28	1	2.4%
88.9%	27	28	1	2.4%
90.1%	27	28	1	2.8%
91.4%	27	28	1	4.0%
92.6%	27	28	1	4.8%
93.8%	27	28	1	4.9%
95.1%	27	28	1	4.9%
96.3%	26	28	2	7.4%
97.5%	26	28	2	5.8%
98.8%	26	27	1	5.6%
100.0%	26	27	1	5.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.9%
4.9%	37	38	1	1.9%
6.2%	37	38	2	4.2%
7.4%	36	38	2	4.7%
8.6%	36	38	2	5.0%
9.9%	36	38	2	5.2%
11.1%	36	38	2	5.5%
12.3%	36	38	2	5.8%
13.6%	36	37	1	1.8%
14.8%	36	37	1	1.8%
16.0%	36	37	1	1.8%
17.3%	36	36	1	1.6%
18.5%	35	36	1	2.9%
19.8%	35	36	1	2.1%
21.0%	35	36	1	2.4%
22.2%	35	36	1	2.4%
23.5%	35	36	1	2.9%
24.7%	35	36	1	2.7%
25.9%	34	36	1	3.9%
27.2%	34	36	1	3.9%
28.4%	34	35	2	5.4%
29.6%	33	34	0	0.6%
30.9%	33	34	1	1.8%
32.1%	33	33	0	1.5%
33.3%	33	33	0	1.5%
34.6%	32	33	1	1.8%
35.8%	32	33	1	2.9%
37.0%	32	32	1	2.1%
38.3%	32	32	0	1.2%
39.5%	31	32	1	2.5%
40.7%	31	32	1	3.0%
42.0%	30	31	1	3.8%
43.2%	30	31	1	3.5%
44.4%	30	31	1	4.0%
45.7%	30	31	1	4.6%
46.9%	30	31	1	3.4%
48.1%	29	31	1	3.8%
49.4%	29	31	1	3.8%
50.6%	29	30	1	4.0%
51.9%	29	30	1	4.1%
53.1%	29	30	1	4.1%
54.3%	29	30	1	4.2%
55.6%	29	30	1	3.9%
56.8%	29	30	1	4.2%
58.0%	29	30	1	4.1%
59.3%	29	30	1	3.8%
60.5%	29	30	1	3.7%
61.7%	29	30	1	3.8%
63.0%	29	30	1	3.8%
64.2%	29	30	1	3.9%
65.4%	29	29	1	3.4%
66.7%	28	29	1	3.3%
67.9%	28	29	1	3.4%
69.1%	28	29	1	3.6%
70.4%	28	29	1	3.7%
71.6%	28	29	1	3.2%
72.8%	28	29	1	3.3%
74.1%	28	29	1	3.3%
75.3%	28	29	1	3.2%
76.5%	28	29	1	3.2%
77.8%	28	29	1	3.2%
79.0%	28	29	1	4.3%
80.2%	28	29	1	4.7%
81.5%	28	29	1	4.8%
82.7%	27	29	1	4.9%
84.0%	27	29	1	4.5%
85.2%	27	29	1	4.6%
86.4%	27	28	1	4.3%
87.7%	27	28	1	4.5%
88.9%	27	28	1	5.4%
90.1%	27	28	1	4.9%
91.4%	27	28	1	4.8%
92.6%	27	28	1	5.4%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.5%
96.3%	26	28	2	7.1%
97.5%	26	28	2	6.4%
98.8%	26	28	2	8.2%
100.0%	26	27	2	7.3%

Table SW-57-7a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative C	74	74	74	75	75	76	74	74	75	77	76	76
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.2%	0.0%	-0.2%	0.0%	0.1%	0.0%	0.0%	-0.1%	0.2%	0.0%	0.1%	0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative C	75	75	75	77	78	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	-0.1%	-0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.2%	0.0%	0.2%	0.0%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative C	75	74	74	74	76	77	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.6%	-0.1%	0.2%	0.2%	0.0%	0.1%	0.5%	0.0%	-0.3%	0.2%
Below Normal (17%)												
No Action Alternative	74	74	74	74	74	74	73	73	74	77	76	74
Alternative C	74	74	74	73	74	74	73	73	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.0%	0.4%	-0.2%	0.4%	0.0%	0.0%	0.0%	0.5%	0.0%	-0.2%	0.2%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative C	74	73	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.5%	0.0%	-0.3%	-0.1%	-0.1%	-0.2%	0.0%	-0.4%	-0.2%	0.0%	0.5%	0.7%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative C	73	73	73	73	73	74	73	73	74	76	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	0.0%	-0.1%	0.2%	-0.1%	0.2%	-0.3%	-0.1%	0.0%	0.1%	-0.1%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

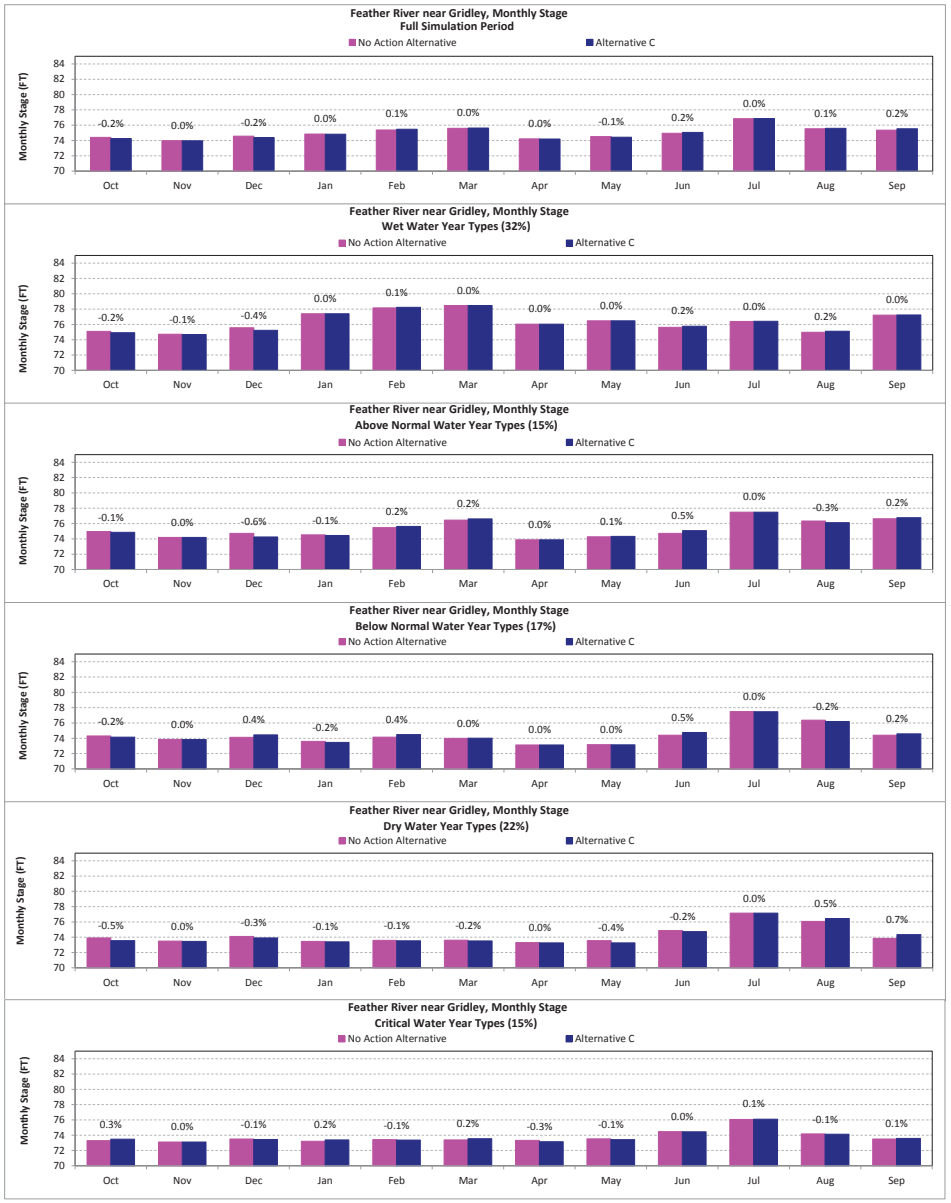

Figure SW-57-7b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

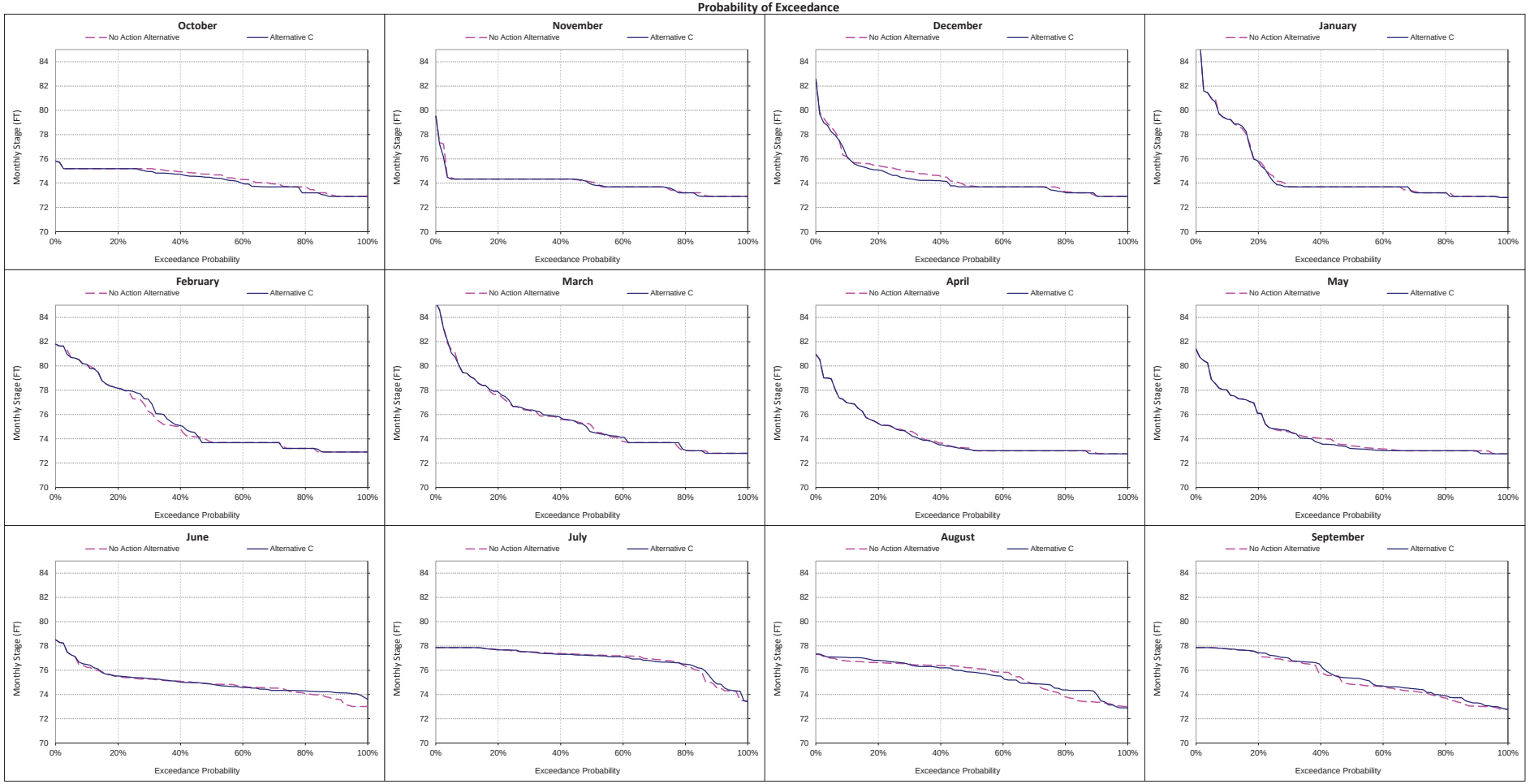

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	-0.2%
29.6%	75	75	0	-0.3%
30.9%	75	75	0	-0.3%
32.1%	75	75	0	-0.4%
33.3%	75	75	0	-0.4%
34.6%	75	75	0	-0.4%
35.8%	75	75	0	-0.3%
37.0%	75	75	0	-0.3%
38.3%	75	75	0	-0.3%
39.5%	75	75	0	-0.3%
40.7%	75	75	0	-0.3%
42.0%	75	75	0	-0.4%
43.2%	75	75	0	-0.4%
44.4%	75	75	0	-0.4%
45.7%	75	75	0	-0.4%
46.9%	75	75	0	-0.3%
48.1%	75	74	0	-0.3%
49.4%	75	74	0	-0.3%
50.6%	75	74	0	-0.3%
51.9%	75	74	0	-0.4%
53.1%	75	74	0	-0.4%
54.3%	74	74	0	-0.2%
55.6%	74	74	0	-0.3%
56.8%	74	74	0	-0.3%
58.0%	74	74	0	-0.2%
59.3%	74	74	0	-0.4%
60.5%	74	74	0	-0.5%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.6%
64.2%	74	74	0	-0.4%
65.4%	74	74	0	-0.5%
66.7%	74	74	0	-0.5%
67.9%	74	74	0	-0.5%
69.1%	74	74	0	-0.3%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	73	0	-0.7%
80.2%	74	73	0	-0.7%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	-0.3%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.2%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	-0.2%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	76	-1	-1.4%
3.7%	74	74	0	0.0%
4.9%	74	74	0	-0.1%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.1%
48.1%	74	74	0	0.0%
49.4%	74	74	0	-0.2%
50.6%	74	74	0	-0.3%
51.9%	74	74	0	-0.2%
53.1%	74	74	0	0.1%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	73	74	0	0.2%
76.5%	73	73	0	0.0%
77.8%	73	73	0	-0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	-0.3%
85.2%	73	73	0	-0.4%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	-0.2%
2.5%	79	79	0	-0.5%
3.7%	79	79	0	-0.2%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	78	0	-0.1%
8.6%	76	77	1	0.9%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.1%
12.3%	76	76	0	-0.1%
13.6%	76	75	0	-0.3%
14.8%	76	75	0	-0.4%
16.0%	76	75	0	-0.5%
17.3%	76	75	0	-0.5%
18.5%	75	75	0	-0.5%
19.8%	75	75	0	-0.5%
21.0%	75	75	0	-0.4%
22.2%	75	75	0	-0.6%
23.5%	75	75	0	-0.7%
24.7%	75	75	-1	-0.8%
25.9%	75	75	-1	-0.7%
27.2%	75	74	-1	-0.8%
28.4%	75	74	-1	-0.7%
29.6%	75	74	-1	-0.8%
30.9%	75	74	-1	-0.8%
32.1%	75	74	-1	-0.8%
33.3%	75	74	-1	-0.7%
34.6%	75	74	-1	-0.7%
35.8%	75	74	-1	-0.7%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.6%
40.7%	74	74	0	-0.4%
42.0%	74	74	0	-0.5%
43.2%	74	74	0	-0.5%
44.4%	74	74	0	-0.5%
45.7%	74	74	0	-0.5%
46.9%	74	74	0	-0.3%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	-0.1%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.4%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	-0.1%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	0.0%
4.9%	81	81	0	-0.1%
6.2%	81	81	0	-0.3%
7.4%	80	80	0	0.0%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.2%
14.8%	78	79	0	0.3%
16.0%	78	78	0	0.3%
17.3%	77	77	0	-0.3%
18.5%	76	76	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	75	0	-0.4%
22.2%	75	75	0	-0.1%
23.5%	75	75	0	-0.3%
24.7%	75	74	0	-0.6%
25.9%	74	74	0	-0.4%
27.2%	74	74	0	-0.4%
28.4%	74	74	0	-0.4%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	73	74	0	0.3%
67.9%	73	74	0	0.3%
69.1%	73	73	0	-0.1%
70.4%	73	73	0	-0.1%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	-0.4%
4.9%	81	81	0	0.0%
6.2%	81	81	0	0.0%
7.4%	81	81	0	0.0%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	-0.2%
12.3%	80	80	0	0.0%
13.6%	80	80	0	0.0%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.1%
24.7%	77	78	1	0.8%
25.9%	77	78	1	0.7%
27.2%	77	78	0	0.6%
28.4%	77	77	0	0.6%
29.6%	76	77	1	1.3%
30.9%	76	77	1	1.0%
32.1%	76	76	0	0.6%
33.3%	75	76	1	0.9%
34.6%	75	76	1	1.1%
35.8%	75	76	1	0.7%
37.0%	75	75	0	0.4%
38.3%	75	75	0	0.2%
39.5%	75	75	0	0.1%
40.7%	75	75	1	0.7%
42.0%	74	75	0	0.6%
43.2%	74	75	0	0.5%
44.4%	74	75	0	0.5%
45.7%	74	74	0	0.0%
46.9%	74	74	0	-0.6%
48.1%	74	74	0	-0.4%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	73	73	0	-0.2%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.3%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	82	0	0.3%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	-0.4%
7.4%	80	80	0	0.0%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.2%
18.5%	78	78	0	0.3%
19.8%	78	78	0	0.4%
21.0%	77	78	0	0.2%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	76	77	0	0.2%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.1%
32.1%	76	76	0	0.1%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.1%
35.8%	76	76	0	0.1%
37.0%	76	76	0	0.1%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.1%
43.2%	75	76	0	0.1%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	-0.1%
48.1%	75	75	0	-0.3%
49.4%	75	75	-1	-0.8%
50.6%	75	75	0	-0.5%
51.9%	75	74	0	-0.1%
53.1%	75	74	0	-0.1%
54.3%	74	74	0	0.1%
55.6%	74	74	0	0.1%
56.8%	74	74	0	0.1%
58.0%	74	74	0	0.1%
59.3%	74	74	0	0.4%
60.5%	74	74	0	0.5%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	73	74	0	0.6%
79.0%	73	73	0	0.2%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.0%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	77	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.1%
28.4%	75	75	0	0.0%
29.6%	75	74	0	-0.2%
30.9%	75	74	0	-0.5%
32.1%	74	74	0	-0.4%
33.3%	74	74	0	-0.2%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	74	0	-0.2%
40.7%	74	73	0	-0.2%
42.0%	73	73	0	-0.1%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.0%
45.7%	73	73	0	-0.1%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	-0.3%
88.9%	73	73	0	-0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	74	0	-0.1%
32.1%	74	74	0	0.0%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.2%
35.8%	74	74	0	-0.2%
37.0%	74	74	0	-0.2%
38.3%	74	74	0	-0.4%
39.5%	74	74	0	-0.5%
40.7%	74	74	0	-0.6%
42.0%	74	74	0	-0.6%
43.2%	74	74	0	-0.6%
44.4%	74	74	0	-0.3%
45.7%	74	73	0	-0.2%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.2%
49.4%	73	73	0	-0.3%
50.6%	73	73	0	-0.3%
51.9%	73	73	0	-0.3%
53.1%	73	73	0	-0.3%
54.3%	73	73	0	-0.2%
55.6%	73	73	0	-0.2%
56.8%	73	73	0	-0.2%
58.0%	73	73	0	-0.2%
59.3%	73	73	0	-0.2%
60.5%	73	73	0	-0.2%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	-0.3%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-7b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	79	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	76	77	0	0.3%
8.6%	76	77	0	0.1%
9.9%	76	76	0	0.3%
11.1%	76	76	0	0.3%
12.3%	76	76	0	0.3%
13.6%	76	76	0	0.2%
14.8%	76	76	0	-0.1%
16.0%	76	76	0	0.1%
17.3%	76	76	0	0.0%
18.5%	76	76	0	-0.1%
19.8%	75	76	0	0.1%
21.0%	75	76	0	0.1%
22.2%	75	75	0	0.1%
23.5%	75	75	0	0.1%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	75	0	0.1%
32.1%	75	75	0	0.1%
33.3%	75	75	0	0.1%
34.6%	75	75	0	0.1%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.1%
42.0%	75	75	0	-0.1%
43.2%	75	75	0	-0.1%
44.4%	75	75	0	0.0%
45.7%	75	75	0	0.0%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.0%
49.4%	75	75	0	0.0%
50.6%	75	75	0	-0.1%
51.9%	75	75	0	-0.1%
53.1%	75	75	0	-0.1%
54.3%	75	75	0	-0.2%
55.6%	75	75	0	-0.2%
56.8%	75	75	0	-0.2%
58.0%	75	75	0	-0.1%
59.3%	75	75	0	-0.1%
60.5%	75	75	0	-0.1%
61.7%	75	75	0	0.0%
63.0%	75	75	0	-0.1%
64.2%	75	75	0	-0.1%
65.4%	75	74	0	-0.2%
66.7%	75	74	0	-0.1%
67.9%	75	74	0	-0.2%
69.1%	75	74	0	-0.3%
70.4%	75	74	0	-0.2%
71.6%	75	74	0	-0.2%
72.8%	74	74	0	-0.2%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.1%
76.5%	74	74	0	0.2%
77.8%	74	74	0	0.2%
79.0%	74	74	0	0.2%
80.2%	74	74	0	0.3%
81.5%	74	74	0	0.3%
82.7%	74	74	0	0.4%
84.0%	74	74	0	0.3%
85.2%	74	74	0	0.4%
86.4%	74	74	0	0.6%
87.7%	74	74	0	0.6%
88.9%	74	74	1	0.7%
90.1%	74	74	1	0.7%
91.4%	74	74	1	0.8%
92.6%	73	74	1	1.3%
93.8%	73	74	1	1.4%
95.1%	73	74	1	1.4%
96.3%	73	74	1	1.4%
97.5%	73	74	1	1.3%
98.8%	73	74	1	1.0%
100.0%	73	74	1	0.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	78	78	0	0.1%
25.9%	78	78	0	0.1%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.0%
29.6%	78	78	0	0.0%
30.9%	78	77	0	0.0%
32.1%	77	77	0	0.0%
33.3%	77	77	0	-0.1%
34.6%	77	77	0	-0.1%
35.8%	77	77	0	0.0%
37.0%	77	77	0	0.0%
38.3%	77	77	0	-0.1%
39.5%	77	77	0	-0.1%
40.7%	77	77	0	-0.1%
42.0%	77	77	0	-0.1%
43.2%	77	77	0	-0.1%
44.4%	77	77	0	-0.1%
45.7%	77	77	0	-0.1%
46.9%	77	77	0	-0.1%
48.1%	77	77	0	0.0%
49.4%	77	77	0	-0.1%
50.6%	77	77	0	-0.1%
51.9%	77	77	0	-0.1%
53.1%	77	77	0	-0.1%
54.3%	77	77	0	0.0%
55.6%	77	77	0	-0.1%
56.8%	77	77	0	-0.1%
58.0%	77	77	0	-0.1%
59.3%	77	77	0	-0.1%
60.5%	77	77	0	-0.2%
61.7%	77	77	0	-0.2%
63.0%	77	77	0	-0.3%
64.2%	77	77	0	-0.3%
65.4%	77	77	0	-0.3%
66.7%	77	77	0	-0.2%
67.9%	77	77	0	-0.2%
69.1%	77	77	0	-0.2%
70.4%	77	77	0	-0.2%
71.6%	77	77	0	-0.2%
72.8%	77	77	0	-0.2%
74.1%	77	77	0	-0.2%
75.3%	77	77	0	-0.1%
76.5%	77	77	0	-0.1%
77.8%	77	77	0	-0.1%
79.0%	76	77	0	0.1%
80.2%	76	76	0	0.2%
81.5%	76	76	0	0.2%
82.7%	76	76	0	0.4%
84.0%	76	76	0	0.3%
85.2%	76	76	0	0.3%
86.4%	75	76	1	1.2%
87.7%	75	76	1	0.7%
88.9%	75	75	0	0.3%
90.1%	75	75	0	0.5%
91.4%	75	75	0	0.5%
92.6%	74	75	0	0.3%
93.8%	74	74	0	0.1%
95.1%	74	74	0	0.1%
96.3%	74	74	0	0.1%
97.5%	74	74	1	1.1%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	0.0%
2.5%	77	77	0	0.1%
3.7%	77	77	0	0.1%
4.9%	77	77	0	0.1%
6.2%	77	77	0	0.2%
7.4%	77	77	0	0.3%
8.6%	77	77	0	0.3%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.4%
12.3%	77	77	0	0.4%
13.6%	77	77	0	0.4%
14.8%	77	77	0	0.4%
16.0%	77	77	0	0.4%
17.3%	77	77	0	0.3%
18.5%	77	77	0	0.2%
19.8%	77	77	0	0.2%
21.0%	77	77	0	0.2%
22.2%	77	77	0	0.2%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.1%
25.9%	77	77	0	0.1%
27.2%	77	77	0	0.1%
28.4%	77	77	0	0.0%
29.6%	77	76	0	0.0%
30.9%	76	76	0	-0.1%
32.1%	76	76	0	-0.1%
33.3%	76	76	0	-0.2%
34.6%	76	76	0	-0.2%
35.8%	76	76	0	-0.2%
37.0%	76	76	0	-0.2%
38.3%	76	76	0	-0.2%
39.5%	76	76	0	-0.3%
40.7%	76	76	0	-0.2%
42.0%	76	76	0	-0.3%
43.2%	76	76	0	-0.2%
44.4%	76	76	0	-0.5%
45.7%	76	76	0	-0.5%
46.9%	76	76	0	-0.4%
48.1%	76	76	0	-0.5%
49.4%	76	76	0	-0.5%
50.6%	76	76	0	-0.5%
51.9%	76	76	0	-0.4%
53.1%	76	76	0	-0.5%
54.3%	76	76	0	-0.5%
55.6%	76	76	0	-0.5%
56.8%	76	76	0	-0.4%
58.0%	76	76	0	-0.4%
59.3%	76	76	0	-0.4%
60.5%	76	75	-1	-0.8%
61.7%	76	75	-1	-0.8%
63.0%	76	75	0	-0.5%
64.2%	75	75	0	-0.4%
65.4%	75	75	-1	-0.7%
66.7%	75	75	0	-0.4%
67.9%	75	75	0	-0.2%
69.1%	75	75	0	0.0%
70.4%	75	75	0	0.0%
71.6%	75	75	0	0.3%
72.8%	74	75	0	0.5%
74.1%	74	75	0	0.6%
75.3%	74	75	1	0.7%
76.5%	74	75	0	0.4%
77.8%	74	74	0	0.5%
79.0%	74	74	0	0.7%
80.2%	74	74	1	0.8%
81.5%	74	74	1	0.9%
82.7%	74	74	1	0.9%
84.0%	73	74	1	1.2%
85.2%	73	74	1	1.2%
86.4%	73	74	1	1.3%
87.7%	73	74	1	1.2%
88.9%	73	74	1	1.2%
90.1%	73	74	1	0.9%
91.4%	73	73	0	0.2%
92.6%	73	73	0	0.1%
93.8%	73	73	0	-0.2%
95.1%	73	73	0	-0.1%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	-0.2%
98.8%	73	73	0	-0.2%
100.0%	73	73	0	-0.2%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.1%
13.6%	78	78	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	77	77	0	0.0%
21.0%	77	77	0	0.4%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.3%
25.9%	77	77	0	0.3%
27.2%	77	77	0	0.2%
28.4%	77	77	0	0.3%
29.6%	77	77	0	0.3%
30.9%	77	77	0	0.0%
32.1%	77	77	0	0.0%
33.3%	77	77	0	0.1%
34.6%	77	77	0	0.2%
35.8%	77	77	0	0.2%
37.0%	76	77	0	0.2%
38.3%	76	77	0	0.3%
39.5%	76	77	1	1.0%
40.7%	76	76	0	0.5%
42.0%	76	76	0	0.4%
43.2%	76	76	0	0.2%
44.4%	76	76	0	0.0%
45.7%	76	75	0	-0.1%
46.9%	75	75	0	0.5%
48.1%	75	75	0	0.6%
49.4%	75	75	1	0.7%
50.6%	75	75	1	0.7%
51.9%	75	75	1	0.7%
53.1%	75	75	0	0.7%
54.3%	75	75	0	0.6%
55.6%	75	75	0	0.5%
56.8%	75	75	0	0.2%
58.0%	75	75	0	0.0%
59.3%	75	75	0	0.1%
60.5%	75	75	0	0.1%
61.7%	75	75	0	0.1%
63.0%	75	75	0	0.2%
64.2%	74	75	0	0.3%
65.4%	74	75	0	0.3%
66.7%	74	75	0	0.3%
67.9%	74	75	0	0.3%
69.1%	74	74	0	0.3%
70.4%	74	74	0	0.3%
71.6%	74	74	0	0.3%
72.8%	74	74	0	0.3%
74.1%	74	74	0	0.1%
75.3%	74	74	0	0.2%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.2%
80.2%	74	74	0	0.3%
81.5%	73	74	0	0.4%
82.7%	73	74	0	0.4%
84.0%	73	74	0	0.5%
85.2%	73	74	0	0.6%
86.4%	73	73	0	0.5%
87.7%	73	73	0	0.5%
88.9%	73	73	0	0.4%
90.1%	73	73	0	0.4%
91.4%	73	73	0	0.3%
92.6%	73	73	0	0.1%
93.8%	73	73	0	0.1%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.2%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-58-7a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative C	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	1.7%	1.0%	0.9%	0.3%	0.0%	0.4%	0.7%	0.4%	-0.9%	-3.2%	0.7%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative C	5	6	6	9	9	7	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.3%	1.6%	0.2%	0.3%	-0.1%	0.0%	0.0%	0.0%	0.1%	-3.5%	2.3%	-3.0%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative C	5	6	6	6	7	7	6	6	6	7	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	1.3%	1.6%	2.2%	-0.1%	0.2%	-0.1%	0.0%	-0.9%	-2.1%	0.0%	-1.8%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative C	5	6	6	5	6	5	6	6	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	0.2%	1.4%	0.7%	0.6%	-1.0%	-0.2%	1.8%	1.2%	-0.5%	-7.9%	-0.5%	8.9%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative C	5	5	6	5	5	5	5	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.3%	0.1%	2.0%	-2.3%	1.1%	1.1%	0.1%	0.9%	-2.0%	-1.6%	-2.5%	0.7%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative C	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-2.0%	-0.2%	0.0%	1.2%	0.2%	1.9%	3.7%	0.7%	-3.5%	1.9%	4.4%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

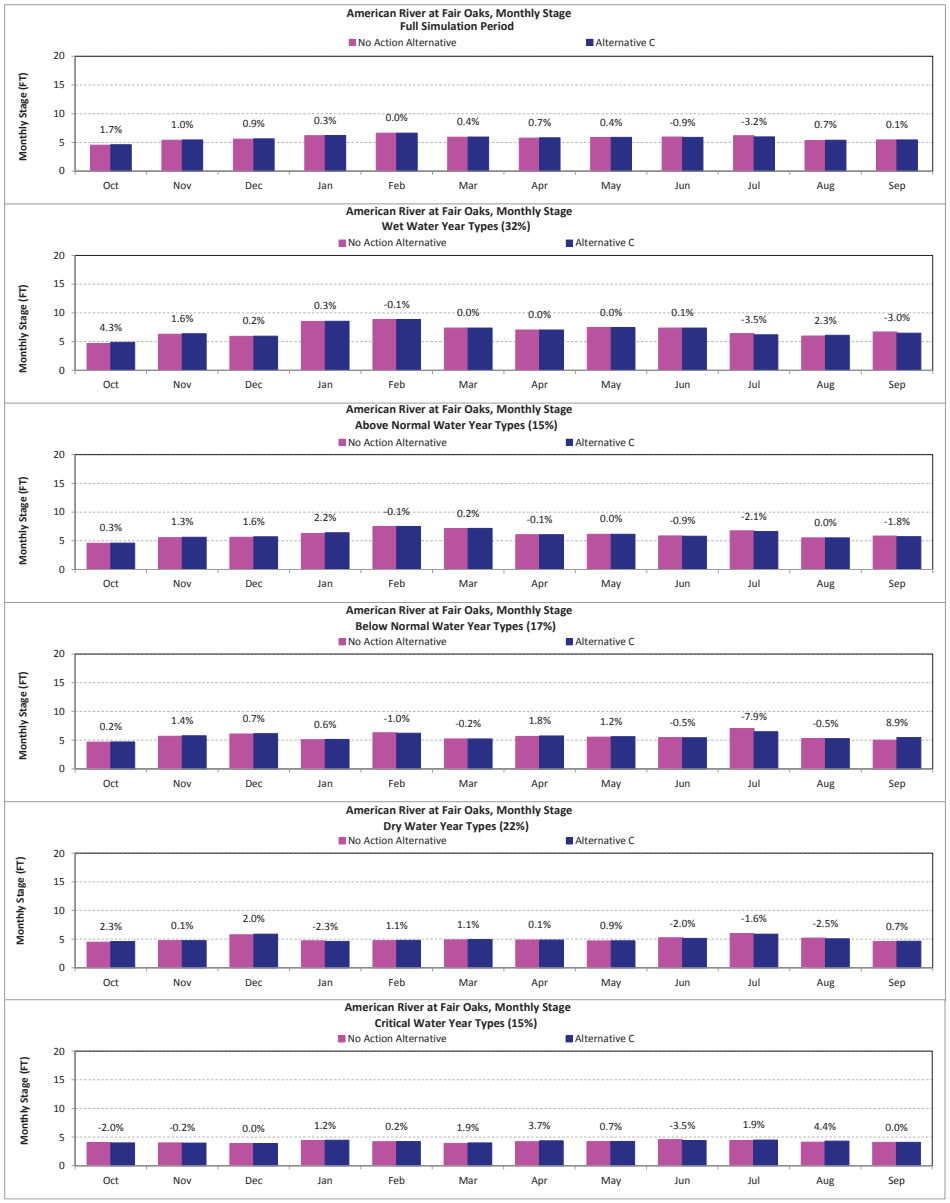

Figure SW-58-7b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

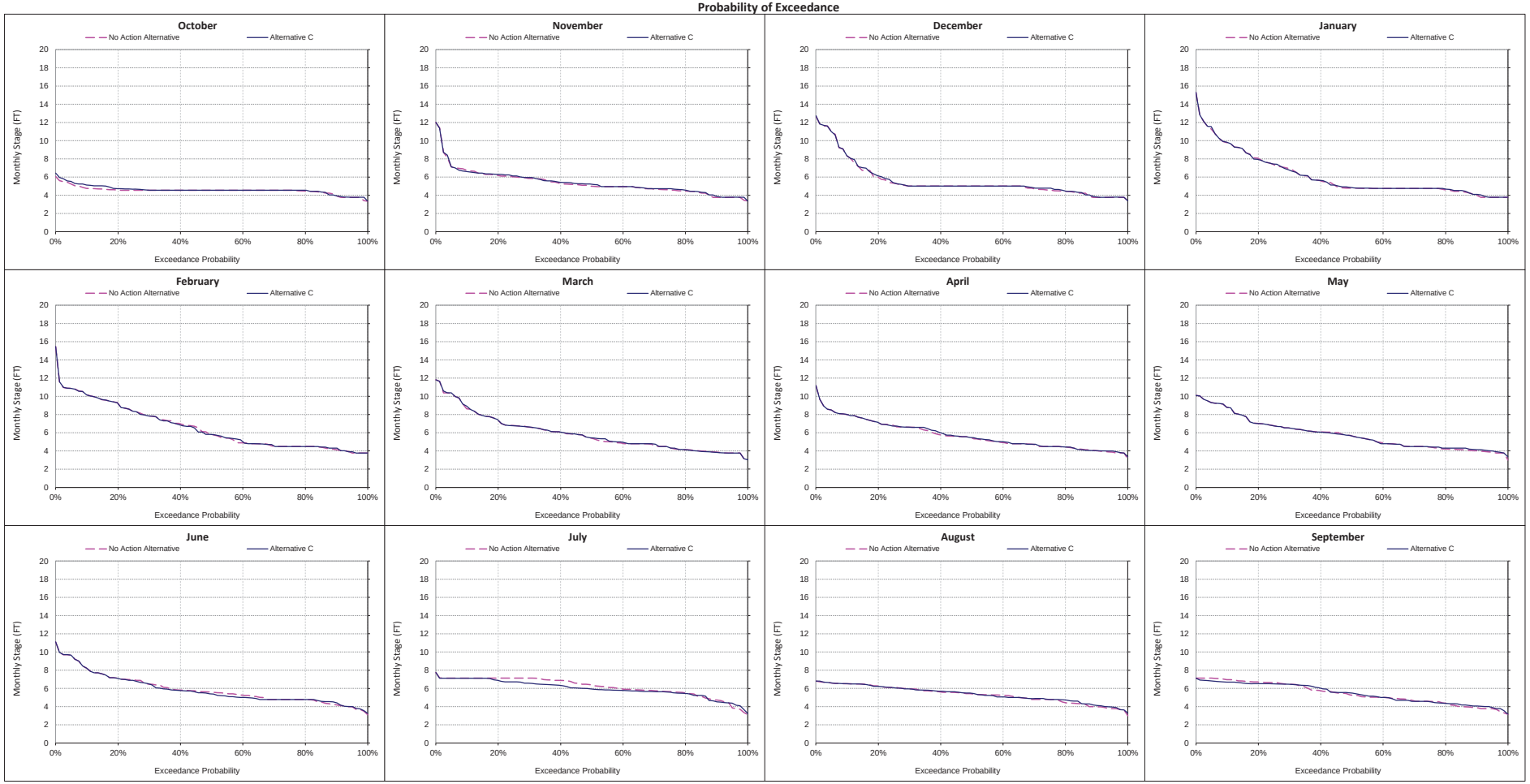

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	6.1%
1.2%	6	6	0	6.3%
2.5%	5	6	0	5.8%
3.7%	5	6	0	2.7%
4.9%	5	6	0	5.6%
6.2%	5	5	0	4.7%
7.4%	5	5	0	4.6%
8.6%	5	5	0	7.4%
9.9%	5	5	0	7.6%
11.1%	5	5	0	7.9%
12.3%	5	5	0	6.9%
13.6%	5	5	0	7.3%
14.8%	5	5	0	7.5%
16.0%	5	5	0	8.1%
17.3%	5	5	0	6.2%
18.5%	5	5	0	2.7%
19.8%	5	5	0	3.3%
21.0%	5	5	0	3.7%
22.2%	5	5	0	3.2%
23.5%	5	5	0	3.2%
24.7%	5	5	0	2.7%
25.9%	5	5	0	2.5%
27.2%	5	5	0	1.9%
28.4%	5	5	0	1.3%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.3%
79.0%	4	5	0	1.6%
80.2%	4	5	0	2.0%
81.5%	4	4	0	0.2%
82.7%	4	4	0	0.3%
84.0%	4	4	0	1.5%
85.2%	4	4	0	0.2%
86.4%	4	4	0	1.8%
87.7%	4	4	0	-4.6%
88.9%	4	4	0	-2.7%
90.1%	4	4	0	0.0%
91.4%	4	4	0	2.6%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	10.7%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	3.4%
4.9%	7	7	0	0.0%
6.2%	7	7	0	-0.3%
7.4%	7	7	0	-2.9%
8.6%	7	7	0	-3.6%
9.9%	7	7	0	-2.3%
11.1%	7	7	0	-1.6%
12.3%	7	6	0	-2.3%
13.6%	6	6	0	0.0%
14.8%	6	6	0	1.0%
16.0%	6	6	0	1.0%
17.3%	6	6	0	0.8%
18.5%	6	6	0	1.3%
19.8%	6	6	0	1.7%
21.0%	6	6	0	3.0%
22.2%	6	6	0	2.3%
23.5%	6	6	0	2.4%
24.7%	6	6	0	1.4%
25.9%	6	6	0	2.1%
27.2%	6	6	0	0.8%
28.4%	6	6	0	0.4%
29.6%	6	6	0	1.8%
30.9%	6	6	0	1.7%
32.1%	6	6	0	0.4%
33.3%	6	6	0	-0.9%
34.6%	6	6	0	-2.3%
35.8%	6	6	0	0.2%
37.0%	5	6	0	2.0%
38.3%	5	6	0	1.4%
39.5%	5	5	0	2.3%
40.7%	5	5	0	3.5%
42.0%	5	5	0	3.4%
43.2%	5	5	0	3.5%
44.4%	5	5	0	1.8%
45.7%	5	5	0	2.3%
46.9%	5	5	0	3.0%
48.1%	5	5	0	2.6%
49.4%	5	5	0	4.5%
50.6%	5	5	0	4.3%
51.9%	5	5	0	3.9%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.4%
65.4%	5	5	0	0.7%
66.7%	5	5	0	1.8%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	1.7%
71.6%	5	5	0	1.8%
72.8%	5	5	0	2.2%
74.1%	5	5	0	2.4%
75.3%	5	5	0	3.3%
76.5%	5	5	0	2.3%
77.8%	4	5	0	2.9%
79.0%	4	5	0	2.9%
80.2%	4	5	0	2.1%
81.5%	4	4	0	0.2%
82.7%	4	4	0	0.2%
84.0%	4	4	0	1.5%
85.2%	4	4	0	1.8%
86.4%	4	4	0	1.2%
87.7%	4	4	0	1.0%
88.9%	4	4	0	7.0%
90.1%	4	4	0	2.6%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	9.3%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.4%
1.2%	12	12	0	0.0%
2.5%	12	12	0	0.7%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.7%
7.4%	9	9	0	0.6%
8.6%	9	9	0	-0.1%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	4.8%
13.6%	7	7	0	-0.2%
14.8%	7	7	0	4.6%
16.0%	7	7	0	3.6%
17.3%	7	7	0	-2.0%
18.5%	6	6	0	5.0%
19.8%	6	6	0	2.0%
21.0%	6	6	0	5.1%
22.2%	6	6	0	2.6%
23.5%	5	6	0	6.3%
24.7%	5	5	0	1.3%
25.9%	5	5	0	0.4%
27.2%	5	5	0	1.2%
28.4%	5	5	0	0.5%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	1.9%
67.9%	5	5	0	2.6%
69.1%	5	5	0	1.7%
70.4%	5	5	0	2.3%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.4%
74.1%	5	5	0	4.5%
75.3%	5	5	0	4.9%
76.5%	4	5	0	3.5%
77.8%	4	5	0	3.4%
79.0%	4	5	0	2.2%
80.2%	4	4	0	0.2%
81.5%	4	4	0	0.2%
82.7%	4	4	0	1.5%
84.0%	4	4	0	1.8%
85.2%	4	4	0	1.2%
86.4%	4	4	0	-4.4%
87.7%	4	4	0	4.1%
88.9%	4	4	0	2.6%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	12	12	0	0.3%
4.9%	11	12	0	2.6%
6.2%	11	11	0	0.0%
7.4%	10	10	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.4%
11.1%	10	10	0	0.0%
12.3%	9	9	0	0.0%
13.6%	9	9	0	0.0%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	8	0	-0.7%
18.5%	8	8	0	-1.5%
19.8%	8	8	0	-1.6%
21.0%	8	8	0	0.0%
22.2%	8	8	0	0.1%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.2%
25.9%	7	7	0	3.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	-1.6%
29.6%	7	7	0	-2.2%
30.9%	7	7	0	-2.3%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	-0.5%
34.6%	6	6	0	0.5%
35.8%	6	6	0	0.4%
37.0%	6	6	0	-0.9%
38.3%	6	6	0	-0.5%
39.5%	6	6	0	0.0%
40.7%	5	6	0	2.2%
42.0%	5	5	0	-0.4%
43.2%	5	5	0	-4.5%
44.4%	5	5	0	0.7%
45.7%	5	5	0	3.2%
46.9%	5	5	0	2.4%
48.1%	5	5	0	2.5%
49.4%	5	5	0	1.7%
50.6%	5	5	0	0.3%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	5	5	0	1.1%
55.6%	5	5	0	1.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	1.9%
80.2%	5	5	0	1.6%
81.5%	5	5	0	2.5%
82.7%	4	5	0	2.2%
84.0%	4	5	0	2.3%
85.2%	4	5	0	3.0%
86.4%	4	4	0	2.2%
87.7%	4	4	0	-0.6%
88.9%	4	4	0	-0.3%
90.1%	4	4	0	2.7%
91.4%	4	4	0	7.0%
92.6%	4	4	0	2.2%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	0.0%
2.5%	11	11	0	0.0%
3.7%	11	11	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.2%
7.4%	11	11	0	-0.3%
8.6%	11	11	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	-0.3%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	-1.5%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	-0.5%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.7%
38.3%	7	7	0	0.0%
39.5%	7	7	0	-2.1%
40.7%	7	7	0	-1.6%
42.0%	7	7	0	-1.4%
43.2%	7	7	0	-1.0%
44.4%	7	7	0	-2.4%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-4.3%
49.4%	6	6	0	0.1%
50.6%	6	6	0	0.4%
51.9%	6	6	0	0.6%
53.1%	5	6	0	2.9%
54.3%	5	5	0	0.8%
55.6%	5	5	0	0.0%
56.8%	5	5	0	2.6%
58.0%	5	5	0	8.2%
59.3%	5	5	0	7.0%
60.5%	5	5	0	-0.7%
61.7%	5	5	0	-1.3%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-1.0%
67.9%	5	5	0	-0.6%
69.1%	5	5	0	2.8%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	1.3%
85.2%	4	4	0	0.4%
86.4%	4	4	0	2.3%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	4.6%
91.4%	4	4	0	-0.4%
92.6%	4	4	0	-0.6%
93.8%	4	4	0	-0.3%
95.1%	4	4	0	3.4%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	11	0	2.0%
3.7%	10	10	0	0.1%
4.9%	10	10	0	0.7%
6.2%	10	10	0	0.0%
7.4%	10	10	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	3.4%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	0.0%
18.5%	8	8	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	-0.5%
25.9%	7	7	0	-0.4%
27.2%	7	7	0	-0.4%
28.4%	7	7	0	-0.4%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.7%
43.2%	6	6	0	0.0%
44.4%	6	6	0	0.9%
45.7%	6	6	0	0.1%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.3%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.7%
53.1%	5	5	0	4.9%
54.3%	5	5	0	6.1%
55.6%	5	5	0	1.5%
56.8%	5	5	0	0.6%
58.0%	5	5	0	2.2%
59.3%	5	5	0	2.1%
60.5%	5	5	0	2.3%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.2%
69.1%	5	5	0	1.1%
70.4%	5	5	0	5.1%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.6%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.3%
77.8%	4	4	0	-0.4%
79.0%	4	4	0	0.2%
80.2%	4	4	0	0.3%
81.5%	4	4	0	-1.1%
82.7%	4	4	0	-0.6%
84.0%	4	4	0	-0.7%
85.2%	4	4	0	-1.6%
86.4%	4	4	0	-1.1%
87.7%	4	4	0	-0.3%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	-1.0%
91.4%	4	4	0	-0.6%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	9	9	0	0.0%
3.7%	9	9	0	0.0%
4.9%	9	9	0	0.0%
6.2%	8	8	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.2%
22.2%	7	7	0	-0.4%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.4%
25.9%	7	7	0	1.3%
27.2%	7	7	0	0.0%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.2%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.2%
33.3%	6	7	0	2.0%
34.6%	6	7	0	4.3%
35.8%	6	6	0	3.6%
37.0%	6	6	0	3.9%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	2.9%
42.0%	6	6	0	1.5%
43.2%	6	6	0	1.8%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.9%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	2.2%
51.9%	5	5	0	0.3%
53.1%	5	5	0	1.5%
54.3%	5	5	0	1.3%
55.6%	5	5	0	2.1%
56.8%	5	5	0	0.9%
58.0%	5	5	0	-0.1%
59.3%	5	5	0	1.7%
60.5%	5	5	0	2.1%
61.7%	5	5	0	3.2%
63.0%	5	5	0	0.3%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.4%
67.9%	5	5	0	-0.4%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	0.9%
71.6%	4	5	0	1.4%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.2%
80.2%	4	4	0	-0.1%
81.5%	4	4	0	1.3%
82.7%	4	4	0	0.0%
84.0%	4	4	0	-1.2%
85.2%	4	4	0	-1.0%
86.4%	4	4	0	-1.2%
87.7%	4	4	0	-1.3%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.3%
92.6%	4	4	0	1.9%
93.8%	4	4	0	2.7%
95.1%	4	4	0	2.8%
96.3%	4	4	0	3.9%
97.5%	4	4	0	1.5%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	0.0%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	7	7	0	-0.2%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.0%
27.2%	7	7	0	-0.2%
28.4%	7	7	0	-0.4%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.1%
32.1%	6	6	0	0.0%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	-0.5%
39.5%	6	6	0	-0.5%
40.7%	6	6	0	-0.3%
42.0%	6	6	0	-0.9%
43.2%	6	6	0	-1.4%
44.4%	6	6	0	-2.0%
45.7%	6	6	0	-2.4%
46.9%	6	6	0	0.4%
48.1%	6	6	0	0.0%
49.4%	6	6	0	0.0%
50.6%	6	6	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	-0.1%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	-2.8%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	-0.7%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.3%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.7%
75.3%	4	4	0	-0.1%
76.5%	4	4	0	2.1%
77.8%	4	4	0	1.9%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.9%
82.7%	4	4	0	2.8%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	3.7%
88.9%	4	4	0	3.6%
90.1%	4	4	0	3.0%
91.4%	4	4	0	4.3%
92.6%	4	4	0	3.7%
93.8%	4	4	0	3.5%
95.1%	4	4	0	3.0%
96.3%	4	4	0	3.9%
97.5%	4	4	0	2.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.2%

Table SW-58-7b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	-0.1%
18.5%	7	7	0	-0.1%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.4%
22.2%	7	7	0	-0.4%
23.5%	7	7	0	-1.2%
24.7%	7	7	0	-1.2%
25.9%	7	7	0	-1.6%
27.2%	7	7	0	-3.3%
28.4%	7	7	0	0.2%
29.6%	6	7	0	0.6%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-4.8%
33.3%	6	6	0	-5.5%
34.6%	6	6	0	-2.9%
35.8%	6	6	0	-2.5%
37.0%	6	6	0	-1.9%
38.3%	6	6	0	-0.7%
39.5%	6	6	0	-0.6%
40.7%	6	6	0	-1.2%
42.0%	6	6	0	-1.0%
43.2%	6	6	0	-0.7%
44.4%	6	6	0	-2.0%
45.7%	6	6	0	-2.7%
46.9%	6	6	0	-2.1%
48.1%	6	5	0	-2.4%
49.4%	6	5	0	-3.6%
50.6%	6	5	0	-3.5%
51.9%	6	5	0	-5.4%
53.1%	6	5	0	-5.5%
54.3%	5	5	0	-5.0%
55.6%	5	5	0	-5.7%
56.8%	5	5	0	-5.7%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-5.0%
60.5%	5	5	0	-4.4%
61.7%	5	5	0	-4.5%
63.0%	5	5	0	-3.8%
64.2%	5	5	0	-3.9%
65.4%	5	5	0	-4.6%
66.7%	5	5	0	-4.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.0%
80.2%	5	5	0	0.4%
81.5%	5	5	0	0.5%
82.7%	5	5	0	1.5%
84.0%	5	5	0	2.9%
85.2%	5	5	0	2.0%
86.4%	4	5	0	4.4%
87.7%	4	5	0	5.3%
88.9%	4	5	0	6.3%
90.1%	4	4	0	5.4%
91.4%	4	4	0	1.0%
92.6%	4	4	0	-1.1%
93.8%	4	4	0	0.6%
95.1%	4	4	0	0.5%
96.3%	4	4	0	3.2%
97.5%	4	4	0	1.1%
98.8%	3	4	0	1.2%
100.0%	3	3	0	4.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	-0.3%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-2.8%
19.8%	7	7	0	-3.5%
21.0%	7	7	0	-5.0%
22.2%	7	7	0	-5.6%
23.5%	7	7	0	-5.7%
24.7%	7	7	0	-5.8%
25.9%	7	7	0	-6.0%
27.2%	7	7	0	-6.1%
28.4%	7	7	-1	-7.7%
29.6%	7	7	-1	-7.9%
30.9%	7	7	-1	-8.1%
32.1%	7	6	-1	-8.9%
33.3%	7	6	-1	-8.5%
34.6%	7	6	-1	-7.2%
35.8%	7	6	-1	-7.4%
37.0%	7	6	-1	-7.5%
38.3%	7	6	-1	-7.4%
39.5%	7	6	-1	-7.9%
40.7%	7	6	-1	-8.3%
42.0%	7	6	-1	-9.4%
43.2%	7	6	-1	-10.1%
44.4%	7	6	-1	-7.9%
45.7%	7	6	-1	-8.1%
46.9%	6	6	0	-7.0%
48.1%	6	6	0	-7.2%
49.4%	6	6	0	-7.3%
50.6%	6	6	0	-6.6%
51.9%	6	6	0	-5.9%
53.1%	6	6	0	-5.9%
54.3%	6	6	0	-6.2%
55.6%	6	6	0	-4.3%
56.8%	6	6	0	-4.5%
58.0%	6	6	0	-3.6%
59.3%	6	6	0	-3.0%
60.5%	6	6	0	-2.0%
61.7%	6	6	0	-2.7%
63.0%	6	6	0	-2.6%
64.2%	6	6	0	-2.2%
65.4%	6	6	0	-2.3%
66.7%	6	6	0	-2.3%
67.9%	6	6	0	-2.1%
69.1%	6	6	0	-2.1%
70.4%	6	6	0	-1.9%
71.6%	6	6	0	-1.6%
72.8%	6	6	0	-0.8%
74.1%	6	6	0	-0.9%
75.3%	6	6	0	-1.5%
76.5%	6	5	0	-2.1%
77.8%	6	5	0	-1.7%
79.0%	6	5	0	-1.6%
80.2%	5	5	0	-0.7%
81.5%	5	5	0	-1.1%
82.7%	5	5	0	-2.9%
84.0%	5	5	0	1.9%
85.2%	5	5	0	2.1%
86.4%	5	5	0	4.1%
87.7%	5	5	0	-4.0%
88.9%	5	5	0	-2.2%
90.1%	5	5	0	-4.5%
91.4%	5	5	0	-3.3%
92.6%	5	4	0	-2.0%
93.8%	4	4	0	-0.8%
95.1%	4	4	1	14.1%
96.3%	4	4	0	9.6%
97.5%	4	4	0	10.6%
98.8%	3	4	0	9.4%
100.0%	3	3	0	3.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	1.0%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	-0.1%
9.9%	7	7	0	-0.1%
11.1%	7	6	0	-0.3%
12.3%	6	6	0	-0.1%
13.6%	6	6	0	0.0%
14.8%	6	6	0	-0.6%
16.0%	6	6	0	0.0%
17.3%	6	6	0	-0.6%
18.5%	6	6	0	-0.8%
19.8%	6	6	0	-0.7%
21.0%	6	6	0	0.8%
22.2%	6	6	0	0.2%
23.5%	6	6	0	0.3%
24.7%	6	6	0	-0.4%
25.9%	6	6	0	-0.9%
27.2%	6	6	0	0.6%
28.4%	6	6	0	-0.8%
29.6%	6	6	0	-0.5%
30.9%	6	6	0	-0.1%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	0.6%
34.6%	6	6	0	1.0%
35.8%	6	6	0	1.0%
37.0%	6	6	0	1.6%
38.3%	6	6	0	0.9%
39.5%	6	6	0	1.2%
40.7%	6	6	0	2.3%
42.0%	6	6	0	1.2%
43.2%	6	6	0	1.0%
44.4%	6	6	0	1.1%
45.7%	6	6	0	0.5%
46.9%	5	6	0	0.5%
48.1%	5	5	0	1.1%
49.4%	5	5	0	1.1%
50.6%	5	5	0	1.0%
51.9%	5	5	0	-0.1%
53.1%	5	5	0	-0.7%
54.3%	5	5	0	-1.5%
55.6%	5	5	0	-1.3%
56.8%	5	5	0	-1.4%
58.0%	5	5	0	-3.8%
59.3%	5	5	0	-3.6%
60.5%	5	5	0	-3.3%
61.7%	5	5	0	-3.9%
63.0%	5	5	0	-2.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.2%
66.7%	5	5	0	0.0%
67.9%	5	5	0	-0.7%
69.1%	5	5	0	2.1%
70.4%	5	5	0	2.0%
71.6%	5	5	0	2.0%
72.8%	5	5	0	1.9%
74.1%	5	5	0	0.6%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	2.0%
79.0%	5	5	0	5.4%
80.2%	4	5	0	7.0%
81.5%	4	5	0	5.6%
82.7%	4	5	0	5.4%
84.0%	4	5	0	5.9%
85.2%	4	4	0	0.1%
86.4%	4	4	0	1.4%
87.7%	4	4	0	7.3%
88.9%	4	4	0	4.4%
90.1%	4	4	0	3.8%
91.4%	4	4	0	2.6%
92.6%	4	4	0	3.0%
93.8%	4	4	0	5.5%
95.1%	4	4	0	4.8%
96.3%	4	4	0	3.5%
97.5%	4	4	0	-1.1%
98.8%	4	4	0	0.8%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative C Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-3.1%
2.5%	7	7	0	-3.3%
3.7%	7	7	0	-3.6%
4.9%	7	7	0	-4.2%
6.2%	7	7	0	-4.6%
7.4%	7	7	0	-4.7%
8.6%	7	7	0	-4.6%
9.9%	7	7	0	-4.0%
11.1%	7	7	0	-4.0%
12.3%	7	7	0	-3.7%
13.6%	7	7	0	-2.7%
14.8%	7	7	0	-3.4%
16.0%	7	7	0	-3.4%
17.3%	7	7	0	-3.2%
18.5%	7	7	0	-2.7%
19.8%	7	7	0	-2.8%
21.0%	7	7	0	-2.6%
22.2%	7	7	0	-2.3%
23.5%	7	7	0	-2.3%
24.7%	7	6	0	-2.1%
25.9%	7	6	0	-2.1%
27.2%	7	6	0	-0.9%
28.4%	6	6	0	-0.3%
29.6%	6	6	0	-0.2%
30.9%	6	6	0	-0.4%
32.1%	6	6	0	-0.5%
33.3%	6	6	0	1.3%
34.6%	6	6	0	2.1%
35.8%	6	6	0	4.8%
37.0%	6	6	0	7.2%
38.3%	6	6	0	5.3%
39.5%	6	6	0	5.1%
40.7%	6	6	0	4.5%
42.0%	6	6	0	4.5%
43.2%	6	6	0	-1.2%
44.4%	6	6	0	0.4%
45.7%	5	6	0	1.3%
46.9%	5	6	0	1.2%
48.1%	5	6	0	1.9%
49.4%	5	6	0	4.6%
50.6%	5	5	0	4.1%
51.9%	5	5	0	3.6%
53.1%	5	5	0	4.2%
54.3%	5	5	0	2.5%
55.6%	5	5	0	2.0%
56.8%	5	5	0	1.9%
58.0%	5	5	0	0.9%
59.3%	5	5	0	-0.1%
60.5%	5	5	0	-0.2%
61.7%	5	5	0	0.1%
63.0%	5	5	0	-0.8%
64.2%	5	5	0	-4.3%
65.4%	5	5	0	-2.8%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	-1.9%
69.1%	5	5	0	-2.3%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	-0.1%
74.1%	5	5	0	-0.3%
75.3%	5	5	0	-1.0%
76.5%	5	4	0	-2.2%
77.8%	5	4	0	-2.8%
79.0%	4	4	0	-0.6%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	3.4%
82.7%	4	4	0	4.0%
84.0%	4	4	0	6.4%
85.2%	4	4	0	4.4%
86.4%	4	4	0	4.9%
87.7%	4	4	0	3.9%
88.9%	4	4	0	4.2%
90.1%	4	4	0	4.5%
91.4%	4	4	0	6.9%
92.6%	4	4	0	6.0%
93.8%	4	4	0	5.9%
95.1%	4	4	0	3.5%
96.3%	4	4	0	2.0%
97.5%	3	4	0	9.2%
98.8%	3	4	0	7.6%
100.0%	3	3	0	1.1%

Alternative D Compared to No Action Alternative

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Table SW-01-9a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,305	1,315	1,367	1,431	1,541	1,665	1,816	1,810	1,774	1,636	1,495	1,374
Alternative D	1,316	1,331	1,384	1,446	1,554	1,674	1,825	1,821	1,782	1,641	1,498	1,376
Difference	11	16	17	15	13	9	10	10	8	5	3	3
Percent Difference[3]	0.8%	1.2%	1.2%	1.1%	0.9%	0.6%	0.5%	0.6%	0.5%	0.3%	0.2%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,736	1,745	1,761	1,749	1,911	2,051	2,229	2,264	2,241	2,114	1,994	1,845
Alternative D	1,729	1,740	1,758	1,765	1,924	2,060	2,236	2,271	2,247	2,119	1,986	1,837
Difference	-7	-5	-3	16	12	9	7	7	6	5	-8	-8
Percent Difference	-0.4%	-0.3%	-0.2%	0.9%	0.6%	0.4%	0.3%	0.3%	0.3%	0.2%	-0.4%	-0.4%
Above Normal (15%)												
No Action Alternative	1,535	1,530	1,557	1,518	1,667	1,837	2,007	2,012	1,984	1,860	1,722	1,584
Alternative D	1,549	1,550	1,582	1,565	1,717	1,885	2,057	2,060	2,032	1,903	1,737	1,605
Difference	15	21	25	47	50	48	50	48	48	43	16	21
Percent Difference	0.9%	1.3%	1.6%	3.1%	3.0%	2.6%	2.5%	2.4%	2.4%	2.3%	0.9%	1.3%
Below Normal (17%)												
No Action Alternative	1,222	1,254	1,338	1,325	1,399	1,496	1,672	1,656	1,609	1,479	1,344	1,241
Alternative D	1,223	1,261	1,343	1,326	1,400	1,496	1,677	1,661	1,614	1,474	1,344	1,242
Difference	1	8	6	1	1	-1	5	5	5	-5	0	1
Percent Difference	0.1%	0.6%	0.4%	0.1%	0.0%	0.0%	0.3%	0.3%	0.3%	-0.3%	0.0%	0.1%
Dry (22%)												
No Action Alternative	1,068	1,078	1,186	1,334	1,414	1,542	1,680	1,630	1,571	1,411	1,243	1,132
Alternative D	1,078	1,095	1,204	1,338	1,412	1,531	1,667	1,619	1,555	1,392	1,237	1,129
Difference	9	17	18	4	-2	-11	-13	-12	-16	-19	-6	-3
Percent Difference	0.9%	1.6%	1.5%	0.3%	-0.1%	-0.7%	-0.8%	-0.7%	-1.0%	-1.3%	-0.5%	-0.3%
Critical (15%)												
No Action Alternative	595	596	629	924	966	1,039	1,099	1,076	1,050	893	741	658
Alternative D	655	660	691	941	982	1,052	1,115	1,092	1,064	911	775	678
Difference	60	64	62	17	16	13	16	16	15	17	34	21
Percent Difference	10.1%	10.8%	9.9%	1.8%	1.6%	1.3%	1.5%	1.5%	1.4%	1.9%	4.6%	3.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

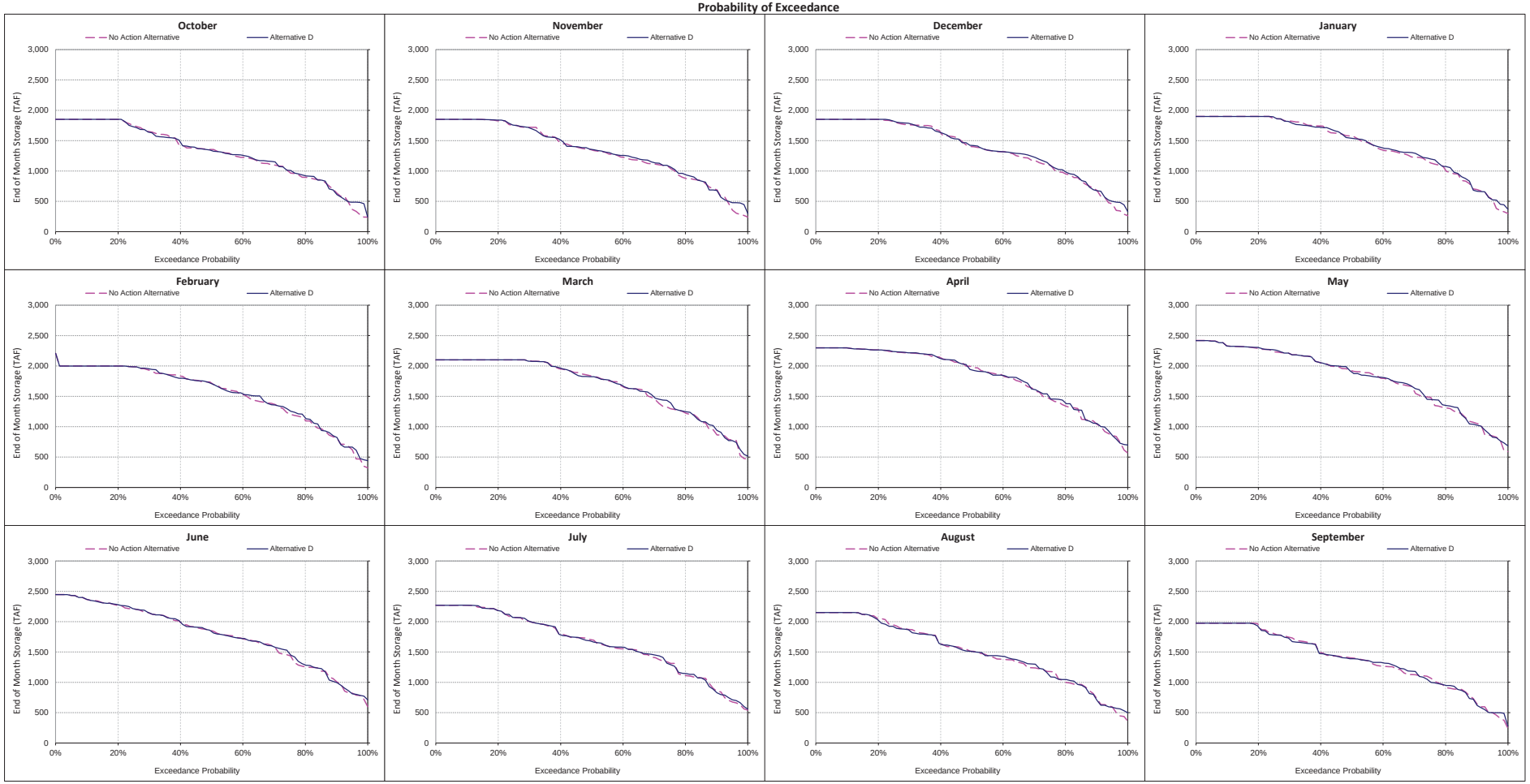

Table SW-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,850	1,850	0	0.0%
22.2%	1,807	1,815	8	0.4%
23.5%	1,781	1,752	-29	-1.7%
24.7%	1,755	1,731	-24	-1.4%
25.9%	1,732	1,713	-19	-1.1%
27.2%	1,714	1,686	-28	-1.6%
28.4%	1,672	1,686	14	0.8%
29.6%	1,652	1,642	-10	-0.6%
30.9%	1,642	1,631	-11	-0.7%
32.1%	1,619	1,572	-46	-2.9%
33.3%	1,605	1,566	-39	-2.4%
34.6%	1,603	1,562	-41	-2.5%
35.8%	1,592	1,553	-39	-2.5%
37.0%	1,548	1,549	1	0.1%
38.3%	1,544	1,538	-6	-0.4%
39.5%	1,433	1,508	75	5.2%
40.7%	1,424	1,414	-10	-0.7%
42.0%	1,382	1,410	28	2.0%
43.2%	1,379	1,396	17	1.2%
44.4%	1,377	1,394	17	1.3%
45.7%	1,370	1,370	-1	-0.1%
46.9%	1,367	1,363	-4	-0.3%
48.1%	1,362	1,353	-8	-0.6%
49.4%	1,356	1,348	-9	-0.6%
50.6%	1,355	1,326	-28	-2.1%
51.9%	1,323	1,321	-2	-0.2%
53.1%	1,315	1,311	-4	-0.3%
54.3%	1,299	1,292	-7	-0.5%
55.6%	1,294	1,284	-11	-0.8%
56.8%	1,257	1,268	11	0.8%
58.0%	1,239	1,268	29	2.3%
59.3%	1,225	1,267	42	3.4%
60.5%	1,224	1,251	27	2.2%
61.7%	1,214	1,239	25	2.1%
63.0%	1,201	1,213	11	0.9%
64.2%	1,179	1,185	6	0.5%
65.4%	1,134	1,171	37	3.3%
66.7%	1,126	1,169	43	3.8%
67.9%	1,124	1,162	37	3.3%
69.1%	1,102	1,159	57	5.2%
70.4%	1,098	1,148	51	4.6%
71.6%	1,082	1,075	-7	-0.7%
72.8%	1,075	1,067	-8	-0.8%
74.1%	1,018	1,013	-5	-0.5%
75.3%	965	1,008	43	4.4%
76.5%	959	965	6	0.6%
77.8%	936	953	17	1.8%
79.0%	896	936	39	4.4%
80.2%	895	917	22	2.5%
81.5%	885	916	30	3.4%
82.7%	869	909	41	4.7%
84.0%	858	849	-9	-1.1%
85.2%	855	848	-7	-0.8%
86.4%	807	832	25	3.0%
87.7%	751	704	-47	-6.3%
88.9%	700	688	-12	-1.7%
90.1%	633	609	-25	-3.9%
91.4%	583	571	-12	-2.1%
92.6%	580	535	-45	-7.8%
93.8%	483	493	11	2.2%
95.1%	367	485	118	32.1%
96.3%	334	484	150	45.0%
97.5%	281	483	202	71.8%
98.8%	240	462	222	92.4%
100.0%	240	240	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,846	-4	-0.2%
16.0%	1,845	1,845	0	0.0%
17.3%	1,843	1,845	2	0.1%
18.5%	1,840	1,843	4	0.2%
19.8%	1,828	1,840	12	0.7%
21.0%	1,828	1,837	9	0.5%
22.2%	1,825	1,826	1	0.1%
23.5%	1,765	1,787	22	1.3%
24.7%	1,754	1,756	2	0.1%
25.9%	1,753	1,749	-4	-0.2%
27.2%	1,727	1,737	10	0.6%
28.4%	1,722	1,729	7	0.4%
29.6%	1,722	1,719	-3	-0.2%
30.9%	1,720	1,692	-28	-1.6%
32.1%	1,719	1,666	-53	-3.1%
33.3%	1,655	1,620	-34	-2.1%
34.6%	1,583	1,577	-6	-0.4%
35.8%	1,577	1,558	-18	-1.2%
37.0%	1,572	1,556	-16	-1.0%
38.3%	1,553	1,553	-1	0.0%
39.5%	1,482	1,524	42	2.8%
40.7%	1,449	1,482	34	2.3%
42.0%	1,444	1,405	-39	-2.7%
43.2%	1,418	1,404	-14	-1.0%
44.4%	1,408	1,402	-6	-0.4%
45.7%	1,386	1,399	13	1.0%
46.9%	1,371	1,386	15	1.1%
48.1%	1,360	1,386	25	1.9%
49.4%	1,358	1,360	3	0.2%
50.6%	1,337	1,351	13	1.0%
51.9%	1,328	1,338	10	0.8%
53.1%	1,317	1,328	11	0.8%
54.3%	1,309	1,310	2	0.1%
55.6%	1,278	1,303	24	1.9%
56.8%	1,275	1,276	1	0.1%
58.0%	1,261	1,265	4	0.3%
59.3%	1,231	1,258	27	2.2%
60.5%	1,223	1,256	33	2.7%
61.7%	1,200	1,247	48	4.0%
63.0%	1,187	1,228	41	3.5%
64.2%	1,181	1,213	32	2.7%
65.4%	1,179	1,192	13	1.1%
66.7%	1,147	1,185	38	3.4%
67.9%	1,124	1,179	54	4.8%
69.1%	1,120	1,148	29	2.6%
70.4%	1,112	1,130	18	1.6%
71.6%	1,102	1,130	28	2.5%
72.8%	1,093	1,095	2	0.2%
74.1%	1,093	1,094	1	0.1%
75.3%	1,041	1,065	24	2.3%
76.5%	1,003	1,024	21	2.1%
77.8%	931	961	30	3.3%
79.0%	897	959	62	7.0%
80.2%	875	936	61	6.9%
81.5%	875	920	45	5.2%
82.7%	862	901	40	4.6%
84.0%	852	848	-3	-0.4%
85.2%	843	835	-8	-1.0%
86.4%	793	815	22	2.7%
87.7%	735	688	-47	-6.4%
88.9%	710	685	-25	-3.5%
90.1%	689	677	-12	-1.7%
91.4%	578	565	-12	-2.1%
92.6%	571	526	-45	-7.9%
93.8%	468	500	32	6.9%
95.1%	355	477	122	34.5%
96.3%	305	476	170	55.9%
97.5%	284	474	190	67.1%
98.8%	267	448	181	67.9%
100.0%	240	298	58	24.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,850	1,850	0	0.0%
9.9%	1,850	1,850	0	0.0%
11.1%	1,850	1,850	0	0.0%
12.3%	1,850	1,850	0	0.0%
13.6%	1,850	1,850	0	0.0%
14.8%	1,850	1,850	0	0.0%
16.0%	1,850	1,850	0	0.0%
17.3%	1,850	1,850	0	0.0%
18.5%	1,850	1,850	0	0.0%
19.8%	1,850	1,850	0	0.0%
21.0%	1,847	1,850	3	0.1%
22.2%	1,835	1,850	15	0.8%
23.5%	1,834	1,845	10	0.6%
24.7%	1,817	1,827	10	0.5%
25.9%	1,794	1,805	11	0.6%
27.2%	1,779	1,797	18	1.0%
28.4%	1,768	1,793	26	1.5%
29.6%	1,763	1,789	26	1.5%
30.9%	1,759	1,770	12	0.7%
32.1%	1,755	1,749	-6	-0.3%
33.3%	1,754	1,724	-30	-1.7%
34.6%	1,750	1,722	-27	-1.6%
35.8%	1,748	1,711	-38	-2.2%
37.0%	1,740	1,706	-34	-2.0%
38.3%	1,685	1,657	-28	-1.7%
39.5%	1,669	1,642	-26	-1.6%
40.7%	1,581	1,618	37	2.3%
42.0%	1,579	1,596	16	1.0%
43.2%	1,571	1,547	-24	-1.5%
44.4%	1,561	1,531	-30	-1.9%
45.7%	1,537	1,527	-10	-0.7%
46.9%	1,483	1,468	-16	-1.1%
48.1%	1,429	1,467	38	2.7%
49.4%	1,405	1,424	19	1.4%
50.6%	1,400	1,421	21	1.5%
51.9%	1,388	1,412	24	1.7%
53.1%	1,386	1,373	-14	-1.0%
54.3%	1,351	1,353	2	0.2%
55.6%	1,338	1,341	4	0.3%
56.8%	1,332	1,330	-2	-0.1%
58.0%	1,320	1,325	4	0.3%
59.3%	1,319	1,321	2	0.2%
60.5%	1,319	1,314	-4	-0.3%
61.7%	1,296	1,308	12	0.9%
63.0%	1,288	1,297	9	0.7%
64.2%	1,254	1,290	36	2.9%
65.4%	1,236	1,286	50	4.1%
66.7%	1,220	1,276	56	4.6%
67.9%	1,216	1,266	50	4.1%
69.1%	1,176	1,245	70	5.9%
70.4%	1,170	1,224	54	4.6%
71.6%	1,137	1,191	54	4.8%
72.8%	1,117	1,168	51	4.6%
74.1%	1,109	1,139	30	2.7%
75.3%	1,092	1,085	-7	-0.6%
76.5%	1,012	1,052	40	3.9%
77.8%	985	1,024	38	3.9%
79.0%	980	1,023	43	4.4%
80.2%	949	977	29	3.0%
81.5%	938	953	15	1.6%
82.7%	892	943	51	5.7%
84.0%	892	905	13	1.5%
85.2%	827	843	16	1.9%
86.4%	783	825	42	5.3%
87.7%	751	732	-19	-2.5%
88.9%	720	691	-29	-4.0%
90.1%	679	673	-7	-1.0%
91.4%	581	668	87	15.0%
92.6%	566	569	2	0.4%
93.8%	478	521	44	9.1%
95.1%	458	500	42	9.1%
96.3%	350	484	134	38.1%
97.5%	342	480	138	40.4%
98.8%	287	444	158	55.0%
100.0%	264	329	65	24.6%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,900	1,900	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,900	1,900	0	0.0%
17.3%	1,900	1,900	0	0.0%
18.5%	1,900	1,900	0	0.0%
19.8%	1,900	1,900	0	0.0%
21.0%	1,900	1,900	0	0.0%
22.2%	1,900	1,900	0	0.0%
23.5%	1,900	1,900	0	0.0%
24.7%	1,869	1,894	26	1.4%
25.9%	1,861	1,862	1	0.0%
27.2%	1,857	1,861	5	0.2%
28.4%	1,830	1,822	-8	-0.4%
29.6%	1,825	1,817	-7	-0.4%
30.9%	1,820	1,785	-34	-1.9%
32.1%	1,808	1,765	-43	-2.4%
33.3%	1,808	1,763	-44	-2.5%
34.6%	1,784	1,754	-30	-1.7%
35.8%	1,754	1,747	-7	-0.4%
37.0%	1,751	1,736	-16	-0.9%
38.3%	1,745	1,724	-20	-1.2%
39.5%	1,742	1,724	-18	-1.0%
40.7%	1,739	1,715	-24	-1.4%
42.0%	1,663	1,714	51	3.1%
43.2%	1,630	1,688	59	3.6%
44.4%	1,625	1,663	37	2.3%
45.7%	1,620	1,644	24	1.5%
46.9%	1,606	1,604	-2	-0.1%
48.1%	1,581	1,553	-27	-1.7%
49.4%	1,578	1,542	-36	-2.3%
50.6%	1,567	1,535	-32	-2.1%
51.9%	1,531	1,527	-4	-0.3%
53.1%	1,492	1,521	28	1.9%
54.3%	1,472	1,501	29	1.9%
55.6%	1,468	1,451	-17	-1.2%
56.8%	1,423	1,429	5	0.4%
58.0%	1,381	1,406	24	1.8%
59.3%	1,354	1,390	36	2.7%
60.5%	1,337	1,371	35	2.6%
61.7%	1,332	1,369	36	2.7%
63.0%	1,328	1,350	23	1.7%
64.2%	1,313	1,339	26	2.0%
65.4%	1,294	1,318	23	1.8%
66.7%	1,284	1,308	23	1.8%
67.9%	1,263	1,307	43	3.4%
69.1%	1,231	1,306	75	6.1%
70.4%	1,228	1,289	62	5.0%
71.6%	1,224	1,258	34	2.8%
72.8%	1,209	1,222	14	1.1%
74.1%	1,163	1,216	53	4.6%
75.3%	1,131	1,198	68	6.0%
76.5%	1,113	1,184	71	6.4%
77.8%	1,098	1,130	32	2.9%
79.0%	1,090	1,076	-14	-1.3%
80.2%	996	1,073	77	7.7%
81.5%	973	1,055	82	8.4%
82.7%	954	979	24	2.6%
84.0%	950	959	9	0.9%
85.2%	843	906	63	7.5%
86.4%	833	877	44	5.2%
87.7%	792	834	41	5.2%
88.9%	704	682	-23	-3.2%
90.1%	694	668	-26	-3.7%
91.4%	671	660	-12	-1.8%
92.6%	654	657	3	0.5%
93.8%	571	562	-9	-1.6%
95.1%	528	526	-2	-0.4%
96.3%	383	522	139	36.4%
97.5%	347	452	105	30.2%
98.8%	327	441	114	35.0%
100.0%	300	370	71	23.6%

Table SW-01-9b
Trinity Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,208	2,208	0	0.0%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	1,991	1,991	0	0.0%
24.7%	1,988	1,988	0	0.0%
25.9%	1,985	1,985	0	0.0%
27.2%	1,957	1,965	8	0.4%
28.4%	1,955	1,965	10	0.5%
29.6%	1,935	1,955	20	1.1%
30.9%	1,914	1,942	28	1.5%
32.1%	1,880	1,939	59	3.2%
33.3%	1,876	1,884	8	0.4%
34.6%	1,875	1,875	0	0.0%
35.8%	1,859	1,857	-2	-0.1%
37.0%	1,853	1,836	-18	-1.0%
38.3%	1,853	1,815	-38	-2.1%
39.5%	1,837	1,799	-38	-2.0%
40.7%	1,828	1,796	-32	-1.7%
42.0%	1,784	1,791	7	0.4%
43.2%	1,778	1,773	-4	-0.2%
44.4%	1,766	1,765	-1	-0.1%
45.7%	1,761	1,754	-7	-0.4%
46.9%	1,739	1,754	15	0.9%
48.1%	1,737	1,745	7	0.4%
49.4%	1,737	1,722	-15	-0.9%
50.6%	1,694	1,694	0	0.0%
51.9%	1,685	1,659	-27	-1.6%
53.1%	1,630	1,629	-2	-0.1%
54.3%	1,628	1,605	-23	-1.4%
55.6%	1,601	1,576	-25	-1.5%
56.8%	1,592	1,563	-30	-1.9%
58.0%	1,580	1,560	-20	-1.3%
59.3%	1,524	1,559	35	2.3%
60.5%	1,523	1,526	3	0.2%
61.7%	1,482	1,524	43	2.9%
63.0%	1,439	1,512	73	5.1%
64.2%	1,428	1,506	78	5.5%
65.4%	1,413	1,505	92	6.5%
66.7%	1,404	1,426	23	1.6%
67.9%	1,390	1,382	-8	-0.6%
69.1%	1,385	1,362	-22	-1.6%
70.4%	1,364	1,356	-8	-0.6%
71.6%	1,322	1,341	19	1.4%
72.8%	1,298	1,332	34	2.6%
74.1%	1,233	1,298	65	5.3%
75.3%	1,202	1,254	52	4.3%
76.5%	1,185	1,238	53	4.5%
77.8%	1,172	1,212	40	3.4%
79.0%	1,155	1,208	53	4.6%
80.2%	1,095	1,129	34	3.1%
81.5%	1,094	1,123	29	2.6%
82.7%	1,021	1,058	37	3.6%
84.0%	977	1,047	69	7.1%
85.2%	965	938	-26	-2.7%
86.4%	924	929	4	0.5%
87.7%	861	904	44	5.1%
88.9%	834	853	19	2.3%
90.1%	812	822	10	1.3%
91.4%	710	704	-6	-0.9%
92.6%	710	665	-44	-6.3%
93.8%	675	664	-12	-1.7%
95.1%	619	663	44	7.1%
96.3%	469	612	144	30.6%
97.5%	466	474	8	1.7%
98.8%	349	454	105	30.2%
100.0%	322	443	121	37.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,100	2,100	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,100	2,100	0	0.0%
29.6%	2,100	2,079	-21	-1.0%
30.9%	2,079	2,076	-2	-0.1%
32.1%	2,078	2,074	-3	-0.2%
33.3%	2,076	2,071	-5	-0.2%
34.6%	2,069	2,071	2	0.1%
35.8%	2,054	2,054	0	0.0%
37.0%	2,008	1,992	-16	-0.8%
38.3%	1,983	1,990	7	0.4%
39.5%	1,955	1,972	17	0.9%
40.7%	1,946	1,951	6	0.3%
42.0%	1,933	1,937	5	0.2%
43.2%	1,915	1,915	0	0.0%
44.4%	1,893	1,877	-16	-0.8%
45.7%	1,892	1,840	-53	-2.8%
46.9%	1,867	1,830	-37	-2.0%
48.1%	1,855	1,826	-29	-1.6%
49.4%	1,841	1,824	-17	-0.9%
50.6%	1,826	1,824	-2	-0.1%
51.9%	1,815	1,806	-9	-0.5%
53.1%	1,788	1,780	-8	-0.4%
54.3%	1,770	1,777	7	0.4%
55.6%	1,754	1,769	16	0.9%
56.8%	1,742	1,733	-9	-0.5%
58.0%	1,741	1,708	-33	-1.9%
59.3%	1,680	1,693	14	0.8%
60.5%	1,646	1,658	12	0.7%
61.7%	1,630	1,629	-1	-0.1%
63.0%	1,622	1,628	6	0.4%
64.2%	1,621	1,624	2	0.1%
65.4%	1,615	1,585	-30	-1.9%
66.7%	1,602	1,579	-23	-1.4%
67.9%	1,506	1,571	65	4.3%
69.1%	1,483	1,527	43	2.9%
70.4%	1,444	1,468	23	1.6%
71.6%	1,381	1,451	70	5.1%
72.8%	1,334	1,436	102	7.6%
74.1%	1,324	1,432	108	8.2%
75.3%	1,294	1,392	97	7.5%
76.5%	1,284	1,292	8	0.7%
77.8%	1,270	1,273	2	0.2%
79.0%	1,252	1,259	6	0.5%
80.2%	1,221	1,245	25	2.0%
81.5%	1,202	1,237	35	2.9%
82.7%	1,197	1,184	-13	-1.1%
84.0%	1,147	1,122	-26	-2.2%
85.2%	1,066	1,083	17	1.6%
86.4%	1,065	1,080	14	1.4%
87.7%	951	1,033	82	8.6%
88.9%	951	1,017	66	7.0%
90.1%	864	938	74	8.6%
91.4%	863	906	43	5.0%
92.6%	848	818	-30	-3.5%
93.8%	789	769	-20	-2.5%
95.1%	780	769	-12	-1.5%
96.3%	771	742	-29	-3.8%
97.5%	528	627	99	18.8%
98.8%	475	544	70	14.7%
100.0%	466	515	49	10.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,290	2,288	-2	-0.1%
12.3%	2,283	2,283	0	0.0%
13.6%	2,283	2,282	-2	-0.1%
14.8%	2,278	2,278	0	0.0%
16.0%	2,276	2,276	0	0.0%
17.3%	2,269	2,267	-2	-0.1%
18.5%	2,266	2,266	0	0.0%
19.8%	2,263	2,266	2	0.1%
21.0%	2,261	2,265	4	0.2%
22.2%	2,259	2,257	-2	-0.1%
23.5%	2,241	2,254	13	0.6%
24.7%	2,234	2,240	6	0.3%
25.9%	2,226	2,234	8	0.4%
27.2%	2,225	2,231	6	0.3%
28.4%	2,218	2,225	6	0.3%
29.6%	2,218	2,218	1	0.0%
30.9%	2,214	2,218	4	0.2%
32.1%	2,208	2,216	8	0.4%
33.3%	2,205	2,205	0	0.0%
34.6%	2,191	2,198	7	0.3%
35.8%	2,190	2,191	1	0.0%
37.0%	2,161	2,190	29	1.3%
38.3%	2,153	2,161	8	0.4%
39.5%	2,149	2,132	-17	-0.8%
40.7%	2,117	2,109	-8	-0.4%
42.0%	2,101	2,107	6	0.3%
43.2%	2,095	2,103	8	0.4%
44.4%	2,063	2,097	34	1.6%
45.7%	2,059	2,053	-6	-0.3%
46.9%	2,052	2,033	-19	-0.9%
48.1%	1,997	2,024	26	1.3%
49.4%	1,995	1,943	-52	-2.6%
50.6%	1,972	1,927	-46	-2.3%
51.9%	1,967	1,915	-52	-2.7%
53.1%	1,918	1,911	-8	-0.4%
54.3%	1,913	1,905	-8	-0.4%
55.6%	1,889	1,885	-4	-0.2%
56.8%	1,878	1,848	-31	-1.6%
58.0%	1,864	1,847	-17	-0.9%
59.3%	1,862	1,847	-15	-0.8%
60.5%	1,823	1,839	15	0.8%
61.7%	1,811	1,815	3	0.2%
63.0%	1,798	1,814	16	0.9%
64.2%	1,761	1,809	48	2.7%
65.4%	1,744	1,775	31	1.8%
66.7%	1,707	1,742	35	2.1%
67.9%	1,660	1,718	58	3.5%
69.1%	1,641	1,622	-19	-1.2%
70.4%	1,582	1,610	28	1.8%
71.6%	1,571	1,574	3	0.2%
72.8%	1,496	1,542	46	3.1%
74.1%	1,486	1,539	53	3.6%
75.3%	1,449	1,456	6	0.4%
76.5%	1,416	1,454	39	2.7%
77.8%	1,406	1,450	44	3.1%
79.0%	1,362	1,437	75	5.5%
80.2%	1,337	1,379	42	3.1%
81.5%	1,316	1,376	60	4.6%
82.7%	1,311	1,284	-27	-2.1%
84.0%	1,299	1,274	-25	-1.9%
85.2%	1,121	1,273	152	13.5%
86.4%	1,118	1,109	-9	-0.8%
87.7%	1,105	1,092	-12	-1.1%
88.9%	1,096	1,057	-40	-3.6%
90.1%	1,038	1,052	13	1.3%
91.4%	1,006	1,000	-6	-0.6%
92.6%	920	994	74	8.0%
93.8%	887	929	41	4.7%
95.1%	855	853	-2	-0.2%
96.3%	838	791	-47	-5.6%
97.5%	742	729	-12	-1.7%
98.8%	615	707	92	15.0%
100.0%	565	698	133	23.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,420	2,420	0	0.0%
1.2%	2,420	2,420	0	0.0%
2.5%	2,420	2,420	0	0.0%
3.7%	2,420	2,420	0	0.0%
4.9%	2,411	2,411	0	0.0%
6.2%	2,410	2,410	0	0.0%
7.4%	2,386	2,384	-2	-0.1%
8.6%	2,384	2,384	0	0.0%
9.9%	2,330	2,328	-2	-0.1%
11.1%	2,325	2,325	0	0.0%
12.3%	2,323	2,324	1	0.0%
13.6%	2,321	2,321	0	0.0%
14.8%	2,318	2,318	0	0.0%
16.0%	2,318	2,317	-1	-0.1%
17.3%	2,310	2,310	0	0.0%
18.5%	2,301	2,306	5	0.2%
19.8%	2,292	2,306	14	0.6%
21.0%	2,276	2,292	16	0.7%
22.2%	2,274	2,275	1	0.0%
23.5%	2,272	2,272	0	0.0%
24.7%	2,234	2,267	32	1.4%
25.9%	2,229	2,256	27	1.2%
27.2%	2,221	2,234	13	0.6%
28.4%	2,215	2,214	-1	0.0%
29.6%	2,214	2,213	-1	0.0%
30.9%	2,185	2,185	0	0.0%
32.1%	2,183	2,183	0	0.0%
33.3%	2,173	2,173	0	0.0%
34.6%	2,163	2,164	1	0.0%
35.8%	2,162	2,163	1	0.0%
37.0%	2,158	2,148	-10	-0.5%
38.3%	2,077	2,077	0	0.0%
39.5%	2,061	2,061	0	0.0%
40.7%	2,039	2,045	6	0.3%
42.0%	2,033	2,023	-10	-0.5%
43.2%	1,997	2,006	9	0.5%
44.4%	1,992	2,002	10	0.5%
45.7%	1,987	2,000	13	0.7%
46.9%	1,957	1,990	33	1.7%
48.1%	1,955	1,988	33	1.7%
49.4%	1,930	1,923	-8	-0.4%
50.6%	1,911	1,877	-35	-1.8%
51.9%	1,905	1,876	-29	-1.5%
53.1%	1,904	1,850	-54	-2.8%
54.3%	1,890	1,842	-48	-2.5%
55.6%	1,888	1,840	-48	-2.6%
56.8%	1,859	1,824	-35	-1.9%
58.0%	1,840	1,817	-22	-1.2%
59.3%	1,798	1,815	17	1.0%
60.5%	1,794	1,808	14	0.8%
61.7%	1,771	1,789	19	1.0%
63.0%	1,756	1,759	3	0.2%
64.2%	1,716	1,739	24	1.4%
65.4%	1,696	1,729	33	1.9%
66.7%	1,689	1,722	33	2.0%
67.9%	1,673	1,701	27	1.6%
69.1%	1,664	1,665	2	0.1%
70.4%	1,546	1,626	79	5.1%
71.6%	1,517	1,609	92	6.1%
72.8%	1,491	1,539	48	3.2%
74.1%	1,490	1,449	-41	-2.8%
75.3%	1,479	1,447	-32	-2.2%
76.5%	1,348	1,443	96	7.1%
77.8%	1,339	1,440	101	7.6%
79.0%	1,319	1,362	42	3.2%
80.2%	1,310	1,350	40	3.1%
81.5%	1,298	1,341	43	3.3%
82.7%	1,255	1,322	67	5.4%
84.0%	1,239	1,316	77	6.2%
85.2%	1,210	1,195	-14	-1.2%
86.4%	1,149	1,137	-12	-1.0%
87.7%	1,088	1,044	-45	-4.1%
88.9%	1,071	1,039	-32	-3.0%
90.1%	1,051	1,023	-28	-2.7%
91.4%	1,036	1,011	-25	-2.4%
92.6%	868	947	79	9.1%
93.8%	862	889	27	3.2%
95.1%	848	825	-23	-2.7%
96.3%	827	816	-11	-1.4%
97.5%	779	767	-12	-1.6%
98.8%	603	730	127	21.1%
100.0%	588	685	97	16.5%

Table SW-01-9b

Trinity Lake, End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,447	2,447	0	0.0%
1.2%	2,447	2,447	0	0.0%
2.5%	2,447	2,447	0	0.0%
3.7%	2,447	2,447	0	0.0%
4.9%	2,431	2,431	0	0.0%
6.2%	2,430	2,430	0	0.0%
7.4%	2,401	2,401	0	0.0%
8.6%	2,397	2,397	0	0.0%
9.9%	2,367	2,367	0	0.0%
11.1%	2,353	2,351	-2	-0.1%
12.3%	2,349	2,340	-9	-0.4%
13.6%	2,340	2,332	-9	-0.4%
14.8%	2,315	2,308	-7	-0.3%
16.0%	2,304	2,304	0	0.0%
17.3%	2,304	2,303	-1	0.0%
18.5%	2,285	2,291	7	0.3%
19.8%	2,268	2,283	15	0.7%
21.0%	2,265	2,266	2	0.1%
22.2%	2,226	2,261	36	1.6%
23.5%	2,214	2,251	36	1.6%
24.7%	2,211	2,214	2	0.1%
25.9%	2,204	2,204	0	0.0%
27.2%	2,187	2,192	4	0.2%
28.4%	2,155	2,187	33	1.5%
29.6%	2,151	2,149	-2	-0.1%
30.9%	2,124	2,124	0	0.0%
32.1%	2,114	2,114	0	0.0%
33.3%	2,113	2,113	0	0.0%
34.6%	2,100	2,100	0	0.0%
35.8%	2,074	2,064	-10	-0.5%
37.0%	2,043	2,052	9	0.4%
38.3%	2,018	2,048	31	1.5%
39.5%	2,012	2,020	7	0.4%
40.7%	1,950	1,953	3	0.1%
42.0%	1,947	1,918	-29	-1.5%
43.2%	1,918	1,917	-1	-0.1%
44.4%	1,917	1,910	-6	-0.3%
45.7%	1,896	1,906	10	0.5%
46.9%	1,881	1,904	23	1.2%
48.1%	1,874	1,874	0	0.0%
49.4%	1,859	1,859	0	0.0%
50.6%	1,840	1,811	-29	-1.6%
51.9%	1,806	1,793	-12	-0.7%
53.1%	1,789	1,789	0	0.0%
54.3%	1,780	1,775	-5	-0.3%
55.6%	1,772	1,762	-11	-0.6%
56.8%	1,765	1,748	-17	-1.0%
58.0%	1,739	1,732	-6	-0.4%
59.3%	1,731	1,726	-5	-0.3%
60.5%	1,711	1,724	13	0.7%
61.7%	1,705	1,695	-10	-0.6%
63.0%	1,688	1,681	-7	-0.4%
64.2%	1,675	1,680	5	0.3%
65.4%	1,645	1,666	21	1.3%
66.7%	1,631	1,632	1	0.1%
67.9%	1,630	1,607	-23	-1.4%
69.1%	1,608	1,602	-6	-0.4%
70.4%	1,571	1,575	4	0.3%
71.6%	1,483	1,559	76	5.1%
72.8%	1,465	1,541	76	5.2%
74.1%	1,455	1,529	74	5.1%
75.3%	1,435	1,447	12	0.8%
76.5%	1,326	1,418	92	6.9%
77.8%	1,285	1,345	60	4.7%
79.0%	1,267	1,308	41	3.2%
80.2%	1,250	1,281	30	2.4%
81.5%	1,246	1,279	33	2.6%
82.7%	1,246	1,247	1	0.1%
84.0%	1,239	1,234	-5	-0.4%
85.2%	1,184	1,226	42	3.6%
86.4%	1,183	1,170	-13	-1.1%
87.7%	1,088	1,040	-48	-4.4%
88.9%	1,062	1,017	-44	-4.2%
90.1%	1,006	994	-12	-1.2%
91.4%	975	950	-25	-2.6%
92.6%	855	906	51	6.0%
93.8%	827	863	35	4.3%
95.1%	822	810	-12	-1.5%
96.3%	788	804	16	2.0%
97.5%	784	787	3	0.4%
98.8%	722	771	49	6.8%
100.0%	600	710	111	18.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,270	2,270	0	0.0%
3.7%	2,270	2,270	0	0.0%
4.9%	2,270	2,270	0	0.0%
6.2%	2,270	2,270	0	0.0%
7.4%	2,270	2,270	0	0.0%
8.6%	2,270	2,270	0	0.0%
9.9%	2,270	2,270	0	0.0%
11.1%	2,270	2,270	0	0.0%
12.3%	2,261	2,269	8	0.3%
13.6%	2,238	2,260	21	0.9%
14.8%	2,235	2,221	-14	-0.6%
16.0%	2,233	2,217	-16	-0.7%
17.3%	2,219	2,216	-2	-0.1%
18.5%	2,216	2,215	-1	0.0%
19.8%	2,187	2,185	-1	-0.1%
21.0%	2,174	2,174	0	0.0%
22.2%	2,125	2,121	-3	-0.2%
23.5%	2,090	2,121	32	1.5%
24.7%	2,071	2,071	0	0.0%
25.9%	2,067	2,070	2	0.1%
27.2%	2,067	2,067	0	0.0%
28.4%	2,014	2,056	43	2.1%
29.6%	2,010	2,012	2	0.1%
30.9%	1,989	1,989	0	0.0%
32.1%	1,977	1,977	0	0.0%
33.3%	1,964	1,964	0	0.0%
34.6%	1,956	1,956	0	0.0%
35.8%	1,931	1,940	9	0.5%
37.0%	1,926	1,926	0	0.0%
38.3%	1,890	1,916	26	1.4%
39.5%	1,794	1,792	-1	-0.1%
40.7%	1,790	1,769	-22	-1.2%
42.0%	1,769	1,764	-5	-0.3%
43.2%	1,742	1,750	8	0.5%
44.4%	1,737	1,742	5	0.3%
45.7%	1,737	1,738	2	0.1%
46.9%	1,735	1,714	-21	-1.2%
48.1%	1,728	1,694	-33	-1.9%
49.4%	1,705	1,684	-22	-1.3%
50.6%	1,695	1,662	-33	-1.9%
51.9%	1,634	1,654	20	1.2%
53.1%	1,625	1,645	20	1.2%
54.3%	1,610	1,611	1	0.0%
55.6%	1,591	1,590	-1	-0.1%
56.8%	1,578	1,587	8	0.5%
58.0%	1,562	1,583	21	1.4%
59.3%	1,554	1,579	25	1.6%
60.5%	1,551	1,577	26	1.7%
61.7%	1,549	1,543	-6	-0.4%
63.0%	1,541	1,543	2	0.2%
64.2%	1,535	1,511	-24	-1.6%
65.4%	1,507	1,494	-13	-0.9%
66.7%	1,460	1,476	16	1.1%
67.9%	1,456	1,470	13	0.9%
69.1%	1,415	1,463	48	3.4%
70.4%	1,405	1,449	44	3.1%
71.6%	1,375	1,436	61	4.4%
72.8%	1,350	1,408	58	4.3%
74.1%	1,340	1,315	-24	-1.8%
75.3%	1,312	1,289	-23	-1.8%
76.5%	1,311	1,262	-49	-3.7%
77.8%	1,142	1,167	25	2.2%
79.0%	1,118	1,147	29	2.6%
80.2%	1,110	1,144	34	3.1%
81.5%	1,104	1,132	27	2.5%
82.7%	1,088	1,130	42	3.9%
84.0%	1,085	1,072	-13	-1.2%
85.2%	1,069	1,071	2	0.2%
86.4%	1,066	1,032	-34	-3.2%
87.7%	980	933	-48	-4.9%
88.9%	901	889	-12	-1.3%
90.1%	851	826	-25	-2.9%
91.4%	842	797	-44	-5.2%
92.6%	747	789	42	5.7%
93.8%	704	745	41	5.8%
95.1%	676	713	36	5.4%
96.3%	662	701	40	6.0%
97.5%	631	664	33	5.2%
98.8%	561	603	41	7.3%
100.0%	542	560	17	3.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,150	2,150	0	0.0%
3.7%	2,150	2,150	0	0.0%
4.9%	2,150	2,150	0	0.0%
6.2%	2,150	2,150	0	0.0%
7.4%	2,150	2,150	0	0.0%
8.6%	2,150	2,150	0	0.0%
9.9%	2,150	2,150	0	0.0%
11.1%	2,150	2,150	0	0.0%
12.3%	2,150	2,150	0	0.0%
13.6%	2,146	2,144	-1	-0.1%
14.8%	2,122	2,123	0	0.0%
16.0%	2,110	2,119	8	0.4%
17.3%	2,098	2,109	11	0.5%
18.5%	2,098	2,073	-25	-1.2%
19.8%	2,053	2,033	-20	-1.0%
21.0%	2,050	1,976	-74	-3.6%
22.2%	2,034	1,958	-77	-3.8%
23.5%	1,957	1,924	-33	-1.7%
24.7%	1,949	1,924	-25	-1.3%
25.9%	1,927	1,890	-37	-1.9%
27.2%	1,892	1,881	-11	-0.6%
28.4%	1,890	1,875	-15	-0.8%
29.6%	1,872	1,868	-4	-0.2%
30.9%	1,868	1,816	-52	-2.8%
32.1%	1,837	1,806	-31	-1.7%
33.3%	1,816	1,795	-20	-1.1%
34.6%	1,808	1,795	-13	-0.7%
35.8%	1,795	1,786	-9	-0.5%
37.0%	1,777	1,782	5	0.3%
38.3%	1,777	1,767	-10	-0.6%
39.5%	1,641	1,641	0	0.0%
40.7%	1,622	1,617	-6	-0.3%
42.0%	1,592	1,616	24	1.5%
43.2%	1,588	1,601	14	0.9%
44.4%	1,588	1,592	4	0.3%
45.7%	1,583	1,561	-22	-1.4%
46.9%	1,556	1,535	-22	-1.4%
48.1%	1,547	1,518	-29	-1.8%
49.4%	1,514	1,514	0	0.0%
50.6%	1,510	1,503	-7	-0.5%
51.9%	1,488	1,497	8	0.6%
53.1%	1,475	1,490	15	1.0%
54.3%	1,460	1,442	-18	-1.3%
55.6%	1,424	1,441	17	1.2%
56.8%	1,414	1,439	25	1.7%
58.0%	1,386	1,438	52	3.8%
59.3%	1,383	1,430	47	3.4%
60.5%	1,376	1,427	50	3.7%
61.7%	1,372	1,403	31	2.2%
63.0%	1,370	1,383	13	0.9%
64.2%	1,333	1,378	45	3.4%
65.4%	1,324	1,353	29	2.2%
66.7%	1,306	1,335	28	2.2%
67.9%	1,241	1,306	65	5.2%
69.1%	1,241	1,302	61	4.9%
70.4%	1,237	1,297	60	4.8%
71.6%	1,223	1,228	5	0.4%
72.8%	1,207	1,216	8	0.7%
74.1%	1,180	1,156	-23	-2.0%
75.3%	1,177	1,088	-90	-7.6%
76.5%	1,172	1,084	-88	-7.5%
77.8%	1,057	1,049	-8	-0.8%
79.0%	1,034	1,047	14	1.3%
80.2%	998	1,046	48	4.8%
81.5%	988	1,029	41	4.1%
82.7%	971	1,022	51	5.3%
84.0%	968	966	-2	-0.2%
85.2%	964	951	-13	-1.4%
86.4%	924	916	-8	-0.9%
87.7%	863	816	-47	-5.5%
88.9%	816	804	-12	-1.5%
90.1%	728	703	-25	-3.4%
91.4%	636	623	-12	-1.9%
92.6%	632	623	-9	-1.4%
93.8%	616	597	-19	-3.2%
95.1%	592	587	-6	-1.0%
96.3%	500	572	72	14.4%
97.5%	446	563	117	26.3%
98.8%	436	532	96	22.0%
100.0%	357	500	143	40.2%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,975	0	0.0%
3.7%	1,975	1,975	0	0.0%
4.9%	1,975	1,975	0	0.0%
6.2%	1,975	1,975	0	0.0%
7.4%	1,975	1,975	0	0.0%
8.6%	1,975	1,975	0	0.0%
9.9%	1,975	1,975	0	0.0%
11.1%	1,975	1,975	0	0.0%
12.3%	1,975	1,975	0	0.0%
13.6%	1,975	1,975	0	0.0%
14.8%	1,975	1,975	0	0.0%
16.0%	1,975	1,975	0	0.0%
17.3%	1,975	1,975	0	0.0%
18.5%	1,975	1,960	-15	-0.7%
19.8%	1,968	1,933	-36	-1.8%
21.0%	1,867	1,855	-13	-0.7%
22.2%	1,866	1,848	-17	-0.9%
23.5%	1,820	1,791	-29	-1.6%
24.7%	1,810	1,781	-29	-1.6%
25.9%	1,784	1,780	-5	-0.3%
27.2%	1,778	1,776	-1	-0.1%
28.4%	1,764	1,744	-20	-1.1%
29.6%	1,746	1,731	-15	-0.9%
30.9%	1,731	1,672	-58	-3.4%
32.1%	1,691	1,661	-31	-1.8%
33.3%	1,681	1,657	-23	-1.4%
34.6%	1,672	1,651	-21	-1.3%
35.8%	1,659	1,640	-19	-1.2%
37.0%	1,635	1,638	3	0.2%
38.3%	1,632	1,623	-10	-0.6%
39.5%	1,495	1,475	-21	-1.4%
40.7%	1,481	1,472	-9	-0.6%
42.0%	1,445	1,458	14	0.9%
43.2%	1,439	1,451	11	0.8%
44.4%	1,433	1,441	8	0.6%
45.7%	1,432	1,423	-9	-0.6%
46.9%	1,418	1,406	-12	-0.8%
48.1%	1,415	1,403	-12	-0.8%
49.4%	1,405	1,389	-16	-1.1%
50.6%	1,398	1,389	-9	-0.7%
51.9%	1,387	1,383	-4	-0.3%
53.1%	1,376	1,366	-9	-0.7%
54.3%	1,362	1,361	-1	0.0%
55.6%	1,350	1,353	3	0.2%
56.8%	1,300	1,328	28	2.2%
58.0%	1,279	1,328	49	3.9%
59.3%	1,269	1,328	59	4.6%
60.5%	1,264	1,317	53	4.2%
61.7%	1,259	1,314	55	4.3%
63.0%	1,257	1,290	34	2.7%
64.2%	1,221	1,265	44	3.6%
65.4%	1,212	1,231	19	1.6%
66.7%	1,156	1,222	66	5.7%
67.9%	1,129	1,189	60	5.4%
69.1%	1,128	1,183	56	5.0%
70.4%	1,126	1,179	54	4.8%
71.6%	1,110	1,099	-11	-1.0%
72.8%	1,108	1,087	-22	-1.9%
74.1%	1,100	1,049	-50	-4.6%
75.3%	1,069	1,000	-69	-6.4%
76.5%	1,015	991	-25	-2.4%
77.8%	989	977	-11	-1.2%
79.0%	962	967	5	0.5%
80.2%	912	948	36	4.0%
81.5%	902	947	45	5.0%
82.7%	889	936	47	5.3%
84.0%	886	881	-5	-0.5%
85.2%	883	865	-18	-2.1%
86.4%	840	834	-6	-0.7%
87.7%	782	735	-47	-6.0%
88.9%	733	721	-12	-1.6%
90.1%	641	616	-25	-3.9%
91.4%	597	585	-12	-2.0%
92.6%	596	551	-45	-7.6%
93.8%	500	502	2	0.4%
95.1%	499	500	1	0.2%
96.3%	459	500	41	8.9%
97.5%	406	500	94	23.2%
98.8%	374	492	118	31.5%
100.0%	240	279	39	16.1%

Table SW-02-9a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,278	2,280	2,285	2,292	2,302	2,313	2,325	2,324	2,321	2,310	2,297	2,286
Alternative D	2,281	2,283	2,288	2,294	2,304	2,314	2,325	2,325	2,322	2,310	2,298	2,287
Difference	2	3	3	2	2	1	1	1	1	1	1	1
Percent Difference[3]	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,322	2,323	2,325	2,324	2,337	2,347	2,357	2,359	2,358	2,350	2,342	2,332
Alternative D	2,322	2,323	2,324	2,325	2,338	2,348	2,358	2,360	2,358	2,350	2,341	2,331
Difference	-1	0	0	1	1	1	0	0	0	0	-1	-1
Percent Difference	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	2,305	2,305	2,307	2,298	2,313	2,329	2,341	2,342	2,340	2,331	2,321	2,309
Alternative D	2,307	2,307	2,309	2,305	2,319	2,334	2,345	2,346	2,344	2,335	2,323	2,311
Difference	2	2	2	7	6	5	4	4	4	4	2	2
Percent Difference	0.1%	0.1%	0.1%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%
Below Normal (17%)												
No Action Alternative	2,275	2,278	2,285	2,281	2,289	2,298	2,313	2,313	2,310	2,298	2,287	2,277
Alternative D	2,275	2,278	2,286	2,281	2,289	2,298	2,314	2,313	2,310	2,298	2,286	2,277
Difference	0	1	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	2,260	2,261	2,270	2,283	2,291	2,304	2,316	2,312	2,307	2,293	2,277	2,266
Alternative D	2,261	2,263	2,273	2,284	2,292	2,304	2,316	2,312	2,306	2,291	2,277	2,266
Difference	2	2	2	1	1	0	0	-1	-1	-1	0	0
Percent Difference	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%
Critical (15%)												
No Action Alternative	2,189	2,190	2,198	2,240	2,246	2,255	2,263	2,260	2,258	2,239	2,218	2,203
Alternative D	2,203	2,206	2,211	2,242	2,248	2,257	2,265	2,262	2,260	2,242	2,224	2,208
Difference	14	16	13	2	2	2	2	2	2	2	6	5
Percent Difference	0.6%	0.7%	0.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.3%	0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-02-9b
Trinity Lake, End of Month Elevation
Probability of Exceedance

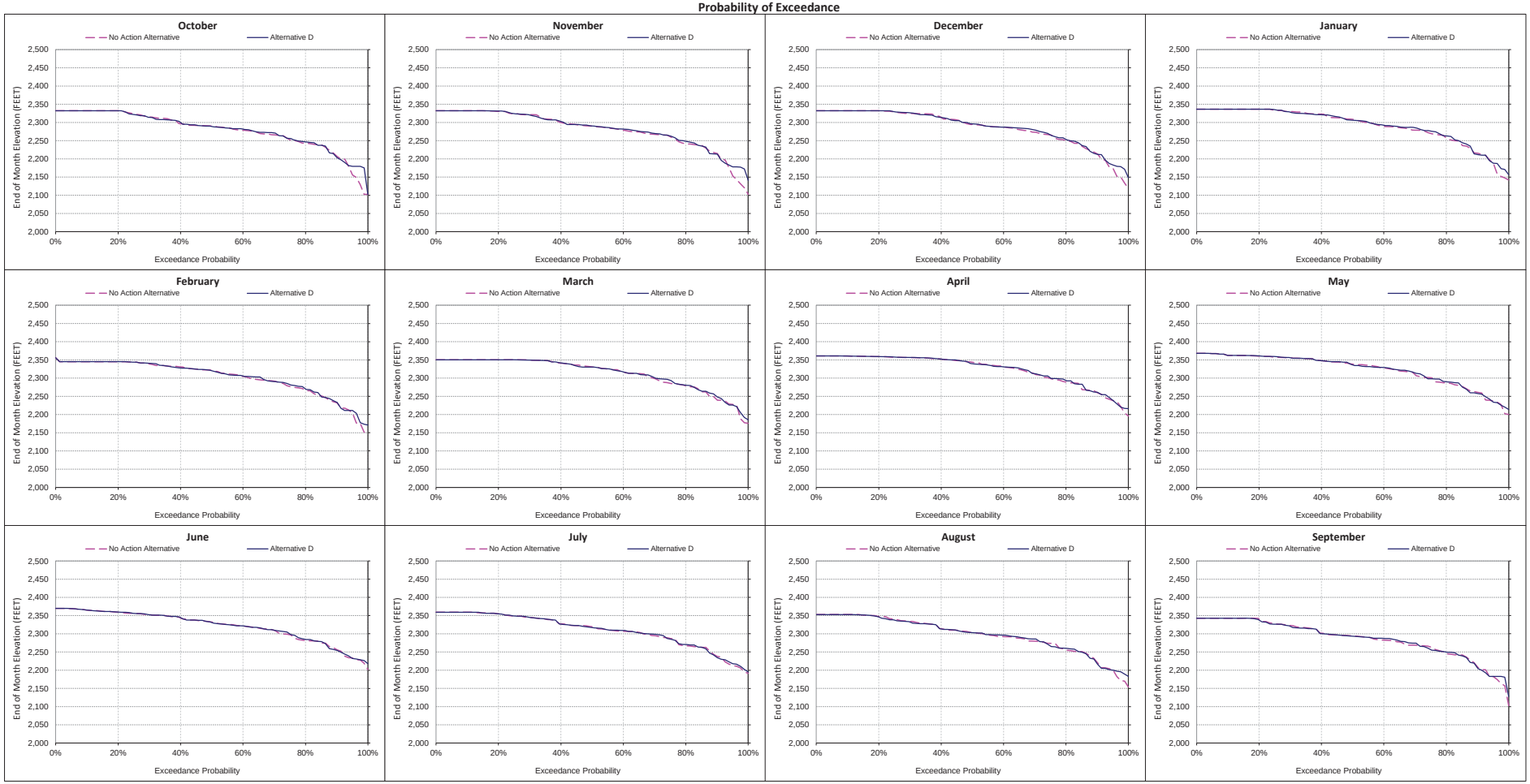

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,329	2,329	1	0.0%
23.5%	2,326	2,324	-3	-0.1%
24.7%	2,324	2,322	-2	-0.1%
25.9%	2,322	2,321	-2	-0.1%
27.2%	2,321	2,318	-2	-0.1%
28.4%	2,317	2,318	1	0.0%
29.6%	2,315	2,315	-1	0.0%
30.9%	2,315	2,314	-1	0.0%
32.1%	2,313	2,309	-4	-0.2%
33.3%	2,311	2,308	-3	-0.1%
34.6%	2,311	2,308	-3	-0.1%
35.8%	2,310	2,307	-3	-0.1%
37.0%	2,307	2,307	0	0.0%
38.3%	2,306	2,306	0	0.0%
39.5%	2,297	2,303	6	0.3%
40.7%	2,296	2,295	-1	0.0%
42.0%	2,293	2,295	2	0.1%
43.2%	2,292	2,294	1	0.1%
44.4%	2,292	2,294	1	0.1%
45.7%	2,292	2,292	0	0.0%
46.9%	2,291	2,291	0	0.0%
48.1%	2,291	2,290	-1	0.0%
49.4%	2,290	2,290	-1	0.0%
50.6%	2,290	2,288	-2	-0.1%
51.9%	2,288	2,287	0	0.0%
53.1%	2,287	2,287	0	0.0%
54.3%	2,286	2,285	-1	0.0%
55.6%	2,285	2,284	-1	0.0%
56.8%	2,282	2,283	1	0.0%
58.0%	2,280	2,283	3	0.1%
59.3%	2,278	2,283	4	0.2%
60.5%	2,278	2,281	3	0.1%
61.7%	2,277	2,280	3	0.1%
63.0%	2,276	2,277	1	0.0%
64.2%	2,274	2,274	1	0.0%
65.4%	2,269	2,273	4	0.2%
66.7%	2,269	2,273	4	0.2%
67.9%	2,268	2,272	4	0.2%
69.1%	2,266	2,272	6	0.3%
70.4%	2,266	2,271	5	0.2%
71.6%	2,264	2,263	-1	0.0%
72.8%	2,263	2,263	-1	0.0%
74.1%	2,257	2,256	-1	0.0%
75.3%	2,251	2,256	5	0.2%
76.5%	2,250	2,251	1	0.0%
77.8%	2,248	2,250	2	0.1%
79.0%	2,243	2,248	4	0.2%
80.2%	2,243	2,245	3	0.1%
81.5%	2,242	2,245	3	0.2%
82.7%	2,240	2,245	5	0.2%
84.0%	2,239	2,237	-1	-0.1%
85.2%	2,238	2,237	-1	0.0%
86.4%	2,231	2,235	4	0.2%
87.7%	2,223	2,217	-7	-0.3%
88.9%	2,216	2,214	-2	-0.1%
90.1%	2,207	2,203	-4	-0.2%
91.4%	2,199	2,197	-2	-0.1%
92.6%	2,199	2,190	-9	-0.4%
93.8%	2,179	2,181	2	0.1%
95.1%	2,156	2,180	24	1.1%
96.3%	2,149	2,180	31	1.4%
97.5%	2,129	2,179	50	2.3%
98.8%	2,103	2,175	72	3.4%
100.0%	2,103	2,103	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,331	2,332	0	0.0%
19.8%	2,330	2,331	1	0.0%
21.0%	2,330	2,331	1	0.0%
22.2%	2,330	2,330	0	0.0%
23.5%	2,325	2,327	2	0.1%
24.7%	2,324	2,324	0	0.0%
25.9%	2,324	2,324	0	0.0%
27.2%	2,322	2,323	1	0.0%
28.4%	2,321	2,322	1	0.0%
29.6%	2,321	2,321	0	0.0%
30.9%	2,321	2,319	-2	-0.1%
32.1%	2,321	2,317	-5	-0.2%
33.3%	2,316	2,313	-3	-0.1%
34.6%	2,310	2,309	-1	0.0%
35.8%	2,309	2,307	-2	-0.1%
37.0%	2,309	2,307	-1	-0.1%
38.3%	2,307	2,307	0	0.0%
39.5%	2,301	2,305	4	0.2%
40.7%	2,298	2,301	3	0.1%
42.0%	2,298	2,295	-3	-0.1%
43.2%	2,296	2,294	-1	-0.1%
44.4%	2,295	2,294	0	0.0%
45.7%	2,293	2,294	1	0.0%
46.9%	2,292	2,293	1	0.1%
48.1%	2,291	2,293	2	0.1%
49.4%	2,291	2,291	0	0.0%
50.6%	2,289	2,290	1	0.0%
51.9%	2,288	2,289	1	0.0%
53.1%	2,287	2,288	1	0.0%
54.3%	2,286	2,287	0	0.0%
55.6%	2,284	2,286	2	0.1%
56.8%	2,283	2,284	0	0.0%
58.0%	2,282	2,283	0	0.0%
59.3%	2,279	2,282	3	0.1%
60.5%	2,278	2,282	3	0.1%
61.7%	2,276	2,281	5	0.2%
63.0%	2,275	2,279	4	0.2%
64.2%	2,274	2,277	3	0.1%
65.4%	2,274	2,275	1	0.1%
66.7%	2,271	2,275	4	0.2%
67.9%	2,268	2,274	5	0.2%
69.1%	2,268	2,271	3	0.1%
70.4%	2,267	2,269	2	0.1%
71.6%	2,266	2,269	3	0.1%
72.8%	2,265	2,266	0	0.0%
74.1%	2,265	2,265	0	0.0%
75.3%	2,260	2,262	3	0.1%
76.5%	2,255	2,258	2	0.1%
77.8%	2,247	2,251	3	0.2%
79.0%	2,243	2,250	7	0.3%
80.2%	2,241	2,248	7	0.3%
81.5%	2,241	2,246	5	0.2%
82.7%	2,239	2,244	5	0.2%
84.0%	2,238	2,237	0	0.0%
85.2%	2,237	2,235	-1	-0.1%
86.4%	2,229	2,233	3	0.1%
87.7%	2,221	2,214	-7	-0.3%
88.9%	2,218	2,214	-4	-0.2%
90.1%	2,215	2,213	-2	-0.1%
91.4%	2,199	2,196	-2	-0.1%
92.6%	2,197	2,188	-9	-0.4%
93.8%	2,176	2,183	7	0.3%
95.1%	2,153	2,178	25	1.2%
96.3%	2,143	2,178	35	1.6%
97.5%	2,131	2,177	46	2.2%
98.8%	2,120	2,172	52	2.4%
100.0%	2,103	2,141	38	1.8%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,332	0	0.0%
9.9%	2,332	2,332	0	0.0%
11.1%	2,332	2,332	0	0.0%
12.3%	2,332	2,332	0	0.0%
13.6%	2,332	2,332	0	0.0%
14.8%	2,332	2,332	0	0.0%
16.0%	2,332	2,332	0	0.0%
17.3%	2,332	2,332	0	0.0%
18.5%	2,332	2,332	0	0.0%
19.8%	2,332	2,332	0	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.1%
23.5%	2,331	2,332	1	0.0%
24.7%	2,329	2,330	1	0.0%
25.9%	2,327	2,328	1	0.0%
27.2%	2,326	2,328	2	0.1%
28.4%	2,325	2,327	2	0.1%
29.6%	2,325	2,327	2	0.1%
30.9%	2,324	2,325	1	0.0%
32.1%	2,324	2,324	-1	0.0%
33.3%	2,324	2,322	-3	-0.1%
34.6%	2,324	2,321	-2	-0.1%
35.8%	2,324	2,320	-3	-0.1%
37.0%	2,323	2,320	-3	-0.1%
38.3%	2,318	2,316	-2	-0.1%
39.5%	2,317	2,315	-2	-0.1%
40.7%	2,309	2,313	3	0.1%
42.0%	2,309	2,311	1	0.1%
43.2%	2,309	2,307	-2	-0.1%
44.4%	2,308	2,305	-3	-0.1%
45.7%	2,306	2,305	-1	0.0%
46.9%	2,301	2,300	-1	-0.1%
48.1%	2,297	2,300	3	0.1%
49.4%	2,295	2,296	2	0.1%
50.6%	2,294	2,296	2	0.1%
51.9%	2,293	2,295	2	0.1%
53.1%	2,293	2,292	-1	0.0%
54.3%	2,290	2,290	0	0.0%
55.6%	2,289	2,289	0	0.0%
56.8%	2,288	2,288	0	0.0%
58.0%	2,287	2,288	0	0.0%
59.3%	2,287	2,287	0	0.0%
60.5%	2,287	2,287	0	0.0%
61.7%	2,285	2,286	1	0.0%
63.0%	2,285	2,285	1	0.0%
64.2%	2,281	2,285	3	0.2%
65.4%	2,280	2,285	5	0.2%
66.7%	2,278	2,284	6	0.2%
67.9%	2,278	2,283	5	0.2%
69.1%	2,274	2,281	7	0.3%
70.4%	2,273	2,278	5	0.2%
71.6%	2,270	2,275	5	0.2%
72.8%	2,268	2,273	5	0.2%
74.1%	2,267	2,270	3	0.1%
75.3%	2,265	2,265	-1	0.0%
76.5%	2,256	2,261	5	0.2%
77.8%	2,253	2,258	4	0.2%
79.0%	2,253	2,258	5	0.2%
80.2%	2,249	2,252	3	0.1%
81.5%	2,248	2,250	2	0.1%
82.7%	2,243	2,248	6	0.3%
84.0%	2,243	2,244	2	0.1%
85.2%	2,234	2,237	2	0.1%
86.4%	2,228	2,234	6	0.3%
87.7%	2,223	2,221	-3	-0.1%
88.9%	2,219	2,215	-4	-0.2%
90.1%	2,213	2,212	-1	0.0%
91.4%	2,199	2,212	12	0.6%
92.6%	2,196	2,197	0	0.0%
93.8%	2,178	2,187	9	0.4%
95.1%	2,174	2,183	9	0.4%
96.3%	2,152	2,179	27	1.3%
97.5%	2,151	2,179	28	1.3%
98.8%	2,133	2,171	38	1.8%
100.0%	2,118	2,148	29	1.4%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,337	2,337	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,337	2,337	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,337	2,337	0	0.0%
19.8%	2,337	2,337	0	0.0%
21.0%	2,337	2,337	0	0.0%
22.2%	2,337	2,337	0	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,334	2,336	2	0.1%
25.9%	2,333	2,333	0	0.0%
27.2%	2,333	2,333	0	0.0%
28.4%	2,331	2,330	-1	0.0%
29.6%	2,330	2,329	-1	0.0%
30.9%	2,330	2,327	-3	-0.1%
32.1%	2,329	2,325	-4	-0.2%
33.3%	2,329	2,325	-4	-0.2%
34.6%	2,327	2,324	-3	-0.1%
35.8%	2,324	2,323	-1	0.0%
37.0%	2,324	2,323	-1	-0.1%
38.3%	2,323	2,322	-2	-0.1%
39.5%	2,323	2,322	-2	-0.1%
40.7%	2,323	2,321	-2	-0.1%
42.0%	2,316	2,321	4	0.2%
43.2%	2,314	2,318	5	0.2%
44.4%	2,313	2,316	3	0.1%
45.7%	2,313	2,315	2	0.1%
46.9%	2,311	2,311	0	0.0%
48.1%	2,309	2,307	-2	-0.1%
49.4%	2,309	2,306	-3	-0.1%
50.6%	2,308	2,305	-3	-0.1%
51.9%	2,305	2,305	0	0.0%
53.1%	2,302	2,304	2	0.1%
54.3%	2,300	2,303	2	0.1%
55.6%	2,300	2,298	-1	-0.1%
56.8%	2,296	2,297	0	0.0%
58.0%	2,293	2,295	2	0.1%
59.3%	2,290	2,293	3	0.1%
60.5%	2,289	2,292	3	0.1%
61.7%	2,288	2,291	3	0.1%
63.0%	2,288	2,290	2	0.1%
64.2%	2,287	2,289	2	0.1%
65.4%	2,285	2,287	2	0.1%
66.7%	2,284	2,286	2	0.1%
67.9%	2,282	2,286	4	0.2%
69.1%	2,279	2,286	7	0.3%
70.4%	2,279	2,285	6	0.3%
71.6%	2,278	2,282	3	0.1%
72.8%	2,277	2,278	1	0.1%
74.1%	2,272	2,278	5	0.2%
75.3%	2,269	2,276	7	0.3%
76.5%	2,267	2,274	7	0.3%
77.8%	2,266	2,269	3	0.1%
79.0%	2,265	2,264	-1	-0.1%
80.2%	2,255	2,263	9	0.4%
81.5%	2,252	2,261	9	0.4%
82.7%	2,250	2,253	3	0.1%
84.0%	2,249	2,250	1	0.0%
85.2%	2,237	2,244	8	0.3%
86.4%	2,235	2,241	6	0.3%
87.7%	2,229	2,235	6	0.3%
88.9%	2,217	2,214	-3	-0.1%
90.1%	2,215	2,212	-4	-0.2%
91.4%	2,212	2,210	-2	-0.1%
92.6%	2,210	2,210	0	0.0%
93.8%	2,197	2,195	-2	-0.1%
95.1%	2,189	2,188	0	0.0%
96.3%	2,159	2,187	28	1.3%
97.5%	2,152	2,173	21	1.0%
98.8%	2,147	2,171	23	1.1%
100.0%	2,142	2,156	15	0.7%

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,356	2,356	0	0.0%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,344	2,344	0	0.0%
24.7%	2,344	2,344	0	0.0%
25.9%	2,344	2,344	0	0.0%
27.2%	2,341	2,342	1	0.0%
28.4%	2,341	2,342	1	0.0%
29.6%	2,339	2,341	2	0.1%
30.9%	2,338	2,340	2	0.1%
32.1%	2,335	2,340	5	0.2%
33.3%	2,334	2,335	1	0.0%
34.6%	2,334	2,334	0	0.0%
35.8%	2,333	2,333	0	0.0%
37.0%	2,333	2,331	-2	-0.1%
38.3%	2,333	2,329	-3	-0.1%
39.5%	2,331	2,328	-3	-0.1%
40.7%	2,330	2,328	-3	-0.1%
42.0%	2,327	2,327	1	0.0%
43.2%	2,326	2,326	0	0.0%
44.4%	2,325	2,325	0	0.0%
45.7%	2,325	2,324	-1	0.0%
46.9%	2,323	2,324	1	0.1%
48.1%	2,323	2,323	1	0.0%
49.4%	2,323	2,321	-1	-0.1%
50.6%	2,319	2,319	0	0.0%
51.9%	2,318	2,316	-2	-0.1%
53.1%	2,314	2,313	0	0.0%
54.3%	2,313	2,311	-2	-0.1%
55.6%	2,311	2,309	-2	-0.1%
56.8%	2,310	2,308	-2	-0.1%
58.0%	2,309	2,308	-2	-0.1%
59.3%	2,305	2,308	3	0.1%
60.5%	2,305	2,305	0	0.0%
61.7%	2,301	2,305	4	0.2%
63.0%	2,297	2,304	6	0.3%
64.2%	2,296	2,303	7	0.3%
65.4%	2,295	2,303	8	0.3%
66.7%	2,294	2,296	2	0.1%
67.9%	2,293	2,293	-1	0.0%
69.1%	2,293	2,291	-2	-0.1%
70.4%	2,291	2,290	-1	0.0%
71.6%	2,288	2,289	2	0.1%
72.8%	2,286	2,288	3	0.1%
74.1%	2,279	2,286	6	0.3%
75.3%	2,276	2,281	5	0.2%
76.5%	2,274	2,280	5	0.2%
77.8%	2,273	2,277	4	0.2%
79.0%	2,271	2,277	5	0.2%
80.2%	2,265	2,269	3	0.2%
81.5%	2,265	2,268	3	0.1%
82.7%	2,257	2,262	4	0.2%
84.0%	2,252	2,260	8	0.4%
85.2%	2,251	2,248	-3	-0.1%
86.4%	2,246	2,247	0	0.0%
87.7%	2,239	2,244	5	0.2%
88.9%	2,235	2,238	3	0.1%
90.1%	2,232	2,234	1	0.1%
91.4%	2,218	2,217	-1	0.0%
92.6%	2,218	2,211	-6	-0.3%
93.8%	2,213	2,211	-2	-0.1%
95.1%	2,205	2,211	6	0.3%
96.3%	2,176	2,204	27	1.3%
97.5%	2,176	2,177	2	0.1%
98.8%	2,152	2,173	21	1.0%
100.0%	2,146	2,171	25	1.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,350	2,350	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,349	-1	0.0%
30.9%	2,349	2,349	0	0.0%
32.1%	2,349	2,349	0	0.0%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,348	2,348	0	0.0%
37.0%	2,345	2,344	-1	0.0%
38.3%	2,344	2,344	1	0.0%
39.5%	2,341	2,343	1	0.1%
40.7%	2,340	2,341	0	0.0%
42.0%	2,339	2,340	0	0.0%
43.2%	2,338	2,338	0	0.0%
44.4%	2,336	2,335	-1	-0.1%
45.7%	2,336	2,331	-4	-0.2%
46.9%	2,334	2,331	-3	-0.1%
48.1%	2,333	2,330	-2	-0.1%
49.4%	2,332	2,330	-1	-0.1%
50.6%	2,330	2,330	0	0.0%
51.9%	2,329	2,329	-1	0.0%
53.1%	2,327	2,326	-1	0.0%
54.3%	2,325	2,326	1	0.0%
55.6%	2,324	2,325	1	0.1%
56.8%	2,323	2,322	-1	0.0%
58.0%	2,323	2,320	-3	-0.1%
59.3%	2,318	2,319	1	0.0%
60.5%	2,315	2,316	1	0.0%
61.7%	2,314	2,313	0	0.0%
63.0%	2,313	2,313	1	0.0%
64.2%	2,313	2,313	0	0.0%
65.4%	2,312	2,310	-3	-0.1%
66.7%	2,311	2,309	-2	-0.1%
67.9%	2,303	2,309	5	0.2%
69.1%	2,301	2,305	4	0.2%
70.4%	2,298	2,300	2	0.1%
71.6%	2,292	2,298	6	0.3%
72.8%	2,289	2,297	9	0.4%
74.1%	2,288	2,297	9	0.4%
75.3%	2,285	2,293	8	0.4%
76.5%	2,284	2,285	1	0.0%
77.8%	2,283	2,283	0	0.0%
79.0%	2,281	2,282	1	0.0%
80.2%	2,278	2,281	2	0.1%
81.5%	2,276	2,280	4	0.2%
82.7%	2,276	2,274	-1	-0.1%
84.0%	2,271	2,268	-3	-0.1%
85.2%	2,262	2,264	2	0.1%
86.4%	2,262	2,264	2	0.1%
87.7%	2,249	2,259	9	0.4%
88.9%	2,249	2,257	8	0.3%
90.1%	2,239	2,248	8	0.4%
91.4%	2,239	2,244	5	0.2%
92.6%	2,237	2,233	-4	-0.2%
93.8%	2,229	2,226	-3	-0.1%
95.1%	2,228	2,226	-2	-0.1%
96.3%	2,226	2,222	-4	-0.2%
97.5%	2,188	2,206	17	0.8%
98.8%	2,178	2,192	14	0.7%
100.0%	2,176	2,186	10	0.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,360	0	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,360	2,360	0	0.0%
14.8%	2,360	2,360	0	0.0%
16.0%	2,360	2,360	0	0.0%
17.3%	2,359	2,359	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,359	2,359	0	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,359	2,359	0	0.0%
23.5%	2,358	2,359	1	0.0%
24.7%	2,357	2,358	0	0.0%
25.9%	2,357	2,357	0	0.0%
27.2%	2,357	2,357	0	0.0%
28.4%	2,357	2,357	0	0.0%
29.6%	2,357	2,357	0	0.0%
30.9%	2,356	2,357	0	0.0%
32.1%	2,356	2,357	0	0.0%
33.3%	2,356	2,356	0	0.0%
34.6%	2,355	2,356	0	0.0%
35.8%	2,355	2,355	0	0.0%
37.0%	2,354	2,355	2	0.1%
38.3%	2,353	2,354	0	0.0%
39.5%	2,353	2,352	-1	0.0%
40.7%	2,351	2,351	0	0.0%
42.0%	2,350	2,351	0	0.0%
43.2%	2,350	2,351	0	0.0%
44.4%	2,348	2,350	2	0.1%
45.7%	2,348	2,348	0	0.0%
46.9%	2,348	2,347	-1	0.0%
48.1%	2,345	2,346	2	0.1%
49.4%	2,345	2,340	-4	-0.2%
50.6%	2,343	2,339	-4	-0.2%
51.9%	2,342	2,338	-4	-0.2%
53.1%	2,338	2,337	-1	0.0%
54.3%	2,338	2,337	-1	0.0%
55.6%	2,336	2,335	0	0.0%
56.8%	2,335	2,332	-3	-0.1%
58.0%	2,333	2,332	-1	-0.1%
59.3%	2,333	2,332	-1	-0.1%
60.5%	2,330	2,331	1	0.1%
61.7%	2,329	2,329	0	0.0%
63.0%	2,328	2,329	1	0.1%
64.2%	2,325	2,329	4	0.2%
65.4%	2,323	2,326	3	0.1%
66.7%	2,320	2,323	3	0.1%
67.9%	2,316	2,321	5	0.2%
69.1%	2,314	2,313	-2	-0.1%
70.4%	2,309	2,312	2	0.1%
71.6%	2,309	2,309	0	0.0%
72.8%	2,302	2,306	4	0.2%
74.1%	2,301	2,306	4	0.2%
75.3%	2,298	2,299	1	0.0%
76.5%	2,295	2,299	3	0.1%
77.8%	2,295	2,298	4	0.2%
79.0%	2,291	2,297	6	0.3%
80.2%	2,289	2,292	4	0.2%
81.5%	2,287	2,292	5	0.2%
82.7%	2,287	2,284	-2	-0.1%
84.0%	2,286	2,283	-2	-0.1%
85.2%	2,268	2,283	15	0.7%
86.4%	2,268	2,267	-1	0.0%
87.7%	2,266	2,265	-1	-0.1%
88.9%	2,266	2,261	-4	-0.2%
90.1%	2,259	2,261	2	0.1%
91.4%	2,256	2,255	-1	0.0%
92.6%	2,246	2,254	8	0.4%
93.8%	2,242	2,247	5	0.2%
95.1%	2,238	2,238	0	0.0%
96.3%	2,236	2,229	-7	-0.3%
97.5%	2,222	2,220	-2	-0.1%
98.8%	2,204	2,217	13	0.6%
100.0%	2,196	2,216	20	0.9%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,368	2,368	0	0.0%
3.7%	2,368	2,368	0	0.0%
4.9%	2,368	2,368	0	0.0%
6.2%	2,368	2,368	0	0.0%
7.4%	2,366	2,366	0	0.0%
8.6%	2,366	2,366	0	0.0%
9.9%	2,363	2,363	0	0.0%
11.1%	2,363	2,363	0	0.0%
12.3%	2,362	2,362	0	0.0%
13.6%	2,362	2,362	0	0.0%
14.8%	2,362	2,362	0	0.0%
16.0%	2,362	2,362	0	0.0%
17.3%	2,362	2,362	0	0.0%
18.5%	2,361	2,361	0	0.0%
19.8%	2,361	2,361	1	0.0%
21.0%	2,360	2,361	1	0.0%
22.2%	2,360	2,360	0	0.0%
23.5%	2,359	2,359	0	0.0%
24.7%	2,358	2,359	2	0.1%
25.9%	2,357	2,359	1	0.1%
27.2%	2,357	2,358	1	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,355	0	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,354	2,354	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	0	0.0%
37.0%	2,353	2,353	-1	0.0%
38.3%	2,349	2,349	0	0.0%
39.5%	2,348	2,348	0	0.0%
40.7%	2,347	2,347	0	0.0%
42.0%	2,347	2,346	-1	0.0%
43.2%	2,345	2,345	1	0.0%
44.4%	2,344	2,345	1	0.0%
45.7%	2,344	2,345	1	0.0%
46.9%	2,341	2,344	3	0.1%
48.1%	2,341	2,344	3	0.1%
49.4%	2,339	2,338	-1	0.0%
50.6%	2,337	2,335	-3	-0.1%
51.9%	2,337	2,334	-2	-0.1%
53.1%	2,337	2,332	-5	-0.2%
54.3%	2,336	2,332	-4	-0.2%
55.6%	2,335	2,331	-4	-0.2%
56.8%	2,333	2,330	-3	-0.1%
58.0%	2,331	2,329	-2	-0.1%
59.3%	2,328	2,329	1	0.1%
60.5%	2,328	2,329	1	0.1%
61.7%	2,326	2,327	2	0.1%
63.0%	2,324	2,325	0	0.0%
64.2%	2,321	2,323	2	0.1%
65.4%	2,319	2,322	3	0.1%
66.7%	2,319	2,321	3	0.1%
67.9%	2,317	2,320	2	0.1%
69.1%	2,316	2,317	0	0.0%
70.4%	2,306	2,313	7	0.3%
71.6%	2,304	2,312	8	0.3%
72.8%	2,302	2,306	4	0.2%
74.1%	2,302	2,298	-3	-0.2%
75.3%	2,301	2,298	-3	-0.1%
76.5%	2,290	2,298	8	0.4%
77.8%	2,289	2,298	9	0.4%
79.0%	2,287	2,291	4	0.2%
80.2%	2,287	2,290	3	0.1%
81.5%	2,286	2,289	4	0.2%
82.7%	2,282	2,288	6	0.3%
84.0%	2,280	2,287	7	0.3%
85.2%	2,277	2,276	-1	-0.1%
86.4%	2,271	2,270	-1	-0.1%
87.7%	2,265	2,260	-5	-0.2%
88.9%	2,263	2,259	-4	-0.2%
90.1%	2,261	2,258	-3	-0.1%
91.4%	2,259	2,256	-3	-0.1%
92.6%	2,240	2,249	9	0.4%
93.8%	2,239	2,242	3	0.1%
95.1%	2,237	2,234	-3	-0.1%
96.3%	2,234	2,233	-2	-0.1%
97.5%	2,227	2,226	-2	-0.1%
98.8%	2,202	2,220	18	0.8%
100.0%	2,200	2,214	14	0.6%

Table SW-02-9b

Trinity Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,370	2,370	0	0.0%
1.2%	2,370	2,370	0	0.0%
2.5%	2,370	2,370	0	0.0%
3.7%	2,370	2,370	0	0.0%
4.9%	2,369	2,369	0	0.0%
6.2%	2,369	2,369	0	0.0%
7.4%	2,367	2,367	0	0.0%
8.6%	2,367	2,367	0	0.0%
9.9%	2,365	2,365	0	0.0%
11.1%	2,364	2,364	0	0.0%
12.3%	2,364	2,363	-1	0.0%
13.6%	2,363	2,363	-1	0.0%
14.8%	2,362	2,361	0	0.0%
16.0%	2,361	2,361	0	0.0%
17.3%	2,361	2,361	0	0.0%
18.5%	2,360	2,361	0	0.0%
19.8%	2,359	2,360	1	0.0%
21.0%	2,359	2,359	0	0.0%
22.2%	2,357	2,359	2	0.1%
23.5%	2,356	2,358	2	0.1%
24.7%	2,356	2,356	0	0.0%
25.9%	2,356	2,356	0	0.0%
27.2%	2,355	2,355	0	0.0%
28.4%	2,353	2,355	2	0.1%
29.6%	2,353	2,353	0	0.0%
30.9%	2,352	2,352	0	0.0%
32.1%	2,351	2,351	0	0.0%
33.3%	2,351	2,351	0	0.0%
34.6%	2,350	2,350	0	0.0%
35.8%	2,349	2,348	-1	0.0%
37.0%	2,347	2,348	0	0.0%
38.3%	2,346	2,348	2	0.1%
39.5%	2,346	2,346	0	0.0%
40.7%	2,341	2,341	0	0.0%
42.0%	2,341	2,338	-2	-0.1%
43.2%	2,338	2,338	0	0.0%
44.4%	2,338	2,337	-1	0.0%
45.7%	2,336	2,337	1	0.0%
46.9%	2,335	2,337	2	0.1%
48.1%	2,334	2,334	0	0.0%
49.4%	2,333	2,333	0	0.0%
50.6%	2,331	2,329	-2	-0.1%
51.9%	2,328	2,327	-1	0.0%
53.1%	2,327	2,327	0	0.0%
54.3%	2,326	2,326	0	0.0%
55.6%	2,326	2,325	-1	0.0%
56.8%	2,325	2,324	-1	-0.1%
58.0%	2,323	2,322	-1	0.0%
59.3%	2,322	2,322	0	0.0%
60.5%	2,320	2,322	1	0.0%
61.7%	2,320	2,319	-1	0.0%
63.0%	2,318	2,318	-1	0.0%
64.2%	2,317	2,318	0	0.0%
65.4%	2,315	2,317	2	0.1%
66.7%	2,314	2,314	0	0.0%
67.9%	2,314	2,312	-2	-0.1%
69.1%	2,312	2,311	0	0.0%
70.4%	2,309	2,309	0	0.0%
71.6%	2,301	2,308	6	0.3%
72.8%	2,300	2,306	6	0.3%
74.1%	2,299	2,305	6	0.3%
75.3%	2,297	2,298	1	0.0%
76.5%	2,288	2,296	8	0.3%
77.8%	2,284	2,289	5	0.2%
79.0%	2,283	2,286	4	0.2%
80.2%	2,281	2,284	3	0.1%
81.5%	2,281	2,284	3	0.1%
82.7%	2,281	2,281	0	0.0%
84.0%	2,280	2,279	0	0.0%
85.2%	2,274	2,279	4	0.2%
86.4%	2,274	2,273	-1	-0.1%
87.7%	2,265	2,260	-5	-0.2%
88.9%	2,262	2,257	-5	-0.2%
90.1%	2,256	2,254	-1	-0.1%
91.4%	2,252	2,249	-3	-0.1%
92.6%	2,238	2,244	6	0.3%
93.8%	2,234	2,239	5	0.2%
95.1%	2,234	2,232	-2	-0.1%
96.3%	2,229	2,231	2	0.1%
97.5%	2,228	2,229	0	0.0%
98.8%	2,219	2,226	7	0.3%
100.0%	2,202	2,218	16	0.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,359	0	0.0%
1.2%	2,359	2,359	0	0.0%
2.5%	2,359	2,359	0	0.0%
3.7%	2,359	2,359	0	0.0%
4.9%	2,359	2,359	0	0.0%
6.2%	2,359	2,359	0	0.0%
7.4%	2,359	2,359	0	0.0%
8.6%	2,359	2,359	0	0.0%
9.9%	2,359	2,359	0	0.0%
11.1%	2,359	2,359	0	0.0%
12.3%	2,359	2,359	0	0.0%
13.6%	2,358	2,359	1	0.0%
14.8%	2,358	2,357	-1	0.0%
16.0%	2,357	2,357	-1	0.0%
17.3%	2,357	2,357	0	0.0%
18.5%	2,357	2,356	0	0.0%
19.8%	2,355	2,355	0	0.0%
21.0%	2,354	2,354	0	0.0%
22.2%	2,352	2,351	0	0.0%
23.5%	2,350	2,351	2	0.1%
24.7%	2,349	2,349	0	0.0%
25.9%	2,349	2,349	0	0.0%
27.2%	2,349	2,349	0	0.0%
28.4%	2,346	2,348	2	0.1%
29.6%	2,346	2,346	0	0.0%
30.9%	2,344	2,344	0	0.0%
32.1%	2,343	2,343	0	0.0%
33.3%	2,342	2,342	0	0.0%
34.6%	2,341	2,341	0	0.0%
35.8%	2,339	2,340	1	0.0%
37.0%	2,339	2,339	0	0.0%
38.3%	2,336	2,338	2	0.1%
39.5%	2,327	2,327	0	0.0%
40.7%	2,327	2,325	-2	-0.1%
42.0%	2,325	2,325	0	0.0%
43.2%	2,323	2,324	1	0.0%
44.4%	2,323	2,323	0	0.0%
45.7%	2,323	2,323	0	0.0%
46.9%	2,322	2,321	-2	-0.1%
48.1%	2,322	2,319	-3	-0.1%
49.4%	2,320	2,318	-2	-0.1%
50.6%	2,319	2,316	-3	-0.1%
51.9%	2,314	2,316	2	0.1%
53.1%	2,313	2,315	2	0.1%
54.3%	2,312	2,312	0	0.0%
55.6%	2,310	2,310	0	0.0%
56.8%	2,309	2,310	1	0.0%
58.0%	2,308	2,310	2	0.1%
59.3%	2,307	2,309	2	0.1%
60.5%	2,307	2,309	2	0.1%
61.7%	2,307	2,306	0	0.0%
63.0%	2,306	2,306	0	0.0%
64.2%	2,306	2,303	-2	-0.1%
65.4%	2,303	2,302	-1	0.0%
66.7%	2,299	2,301	1	0.1%
67.9%	2,299	2,300	1	0.0%
69.1%	2,295	2,299	4	0.2%
70.4%	2,295	2,298	4	0.2%
71.6%	2,292	2,297	5	0.2%
72.8%	2,290	2,295	5	0.2%
74.1%	2,289	2,287	-2	-0.1%
75.3%	2,287	2,285	-2	-0.1%
76.5%	2,287	2,282	-4	-0.2%
77.8%	2,270	2,273	2	0.1%
79.0%	2,268	2,271	3	0.1%
80.2%	2,267	2,270	3	0.2%
81.5%	2,266	2,269	3	0.1%
82.7%	2,265	2,269	4	0.2%
84.0%	2,265	2,263	-1	-0.1%
85.2%	2,263	2,263	0	0.0%
86.4%	2,263	2,259	-4	-0.2%
87.7%	2,253	2,247	-5	-0.2%
88.9%	2,244	2,242	-1	-0.1%
90.1%	2,238	2,234	-4	-0.2%
91.4%	2,236	2,230	-6	-0.3%
92.6%	2,223	2,229	6	0.3%
93.8%	2,217	2,223	6	0.3%
95.1%	2,213	2,218	5	0.2%
96.3%	2,211	2,216	6	0.3%
97.5%	2,206	2,211	5	0.2%
98.8%	2,195	2,202	7	0.3%
100.0%	2,191	2,195	4	0.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,353	2,353	0	0.0%
1.2%	2,353	2,353	0	0.0%
2.5%	2,353	2,353	0	0.0%
3.7%	2,353	2,353	0	0.0%
4.9%	2,353	2,353	0	0.0%
6.2%	2,353	2,353	0	0.0%
7.4%	2,353	2,353	0	0.0%
8.6%	2,353	2,353	0	0.0%
9.9%	2,353	2,353	0	0.0%
11.1%	2,353	2,353	0	0.0%
12.3%	2,353	2,353	0	0.0%
13.6%	2,353	2,353	0	0.0%
14.8%	2,352	2,352	0	0.0%
16.0%	2,351	2,351	0	0.0%
17.3%	2,350	2,351	1	0.0%
18.5%	2,350	2,349	-1	-0.1%
19.8%	2,348	2,347	-1	0.0%
21.0%	2,348	2,343	-5	-0.2%
22.2%	2,347	2,341	-5	-0.2%
23.5%	2,341	2,339	-3	-0.1%
24.7%	2,341	2,339	-2	-0.1%
25.9%	2,339	2,336	-3	-0.1%
27.2%	2,336	2,335	-1	0.0%
28.4%	2,336	2,334	-1	-0.1%
29.6%	2,334	2,334	0	0.0%
30.9%	2,334	2,329	-4	-0.2%
32.1%	2,331	2,329	-3	-0.1%
33.3%	2,329	2,328	-2	-0.1%
34.6%	2,329	2,328	-1	0.0%
35.8%	2,328	2,327	-1	0.0%
37.0%	2,326	2,326	0	0.0%
38.3%	2,326	2,325	-1	0.0%
39.5%	2,314	2,315	0	0.0%
40.7%	2,313	2,312	0	0.0%
42.0%	2,310	2,312	2	0.1%
43.2%	2,310	2,311	1	0.1%
44.4%	2,310	2,310	0	0.0%
45.7%	2,310	2,308	-2	-0.1%
46.9%	2,307	2,305	-2	-0.1%
48.1%	2,307	2,304	-2	-0.1%
49.4%	2,304	2,304	0	0.0%
50.6%	2,303	2,303	-1	0.0%
51.9%	2,302	2,302	1	0.0%
53.1%	2,300	2,302	1	0.1%
54.3%	2,299	2,298	-2	-0.1%
55.6%	2,296	2,298	1	0.1%
56.8%	2,295	2,297	2	0.1%
58.0%	2,293	2,297	4	0.2%
59.3%	2,293	2,297	4	0.2%
60.5%	2,292	2,296	4	0.2%
61.7%	2,292	2,294	3	0.1%
63.0%	2,292	2,293	1	0.0%
64.2%	2,288	2,292	4	0.2%
65.4%	2,288	2,290	2	0.1%
66.7%	2,286	2,289	2	0.1%
67.9%	2,280	2,286	6	0.3%
69.1%	2,280	2,286	6	0.3%
70.4%	2,280	2,285	6	0.3%
71.6%	2,278	2,279	1	0.0%
72.8%	2,277	2,278	1	0.0%
74.1%	2,274	2,272	-2	-0.1%
75.3%	2,274	2,265	-9	-0.4%
76.5%	2,273	2,264	-9	-0.4%
77.8%	2,262	2,261	-1	0.0%
79.0%	2,259	2,260	2	0.1%
80.2%	2,255	2,260	5	0.2%
81.5%	2,254	2,258	5	0.2%
82.7%	2,252	2,258	6	0.3%
84.0%	2,251	2,251	0	0.0%
85.2%	2,251	2,249	-1	-0.1%
86.4%	2,246	2,245	-1	0.0%
87.7%	2,239	2,233	-7	-0.3%
88.9%	2,233	2,231	-2	-0.1%
90.1%	2,220	2,217	-4	-0.2%
91.4%	2,207	2,205	-2	-0.1%
92.6%	2,206	2,205	-1	-0.1%
93.8%	2,204	2,201	-3	-0.1%
95.1%	2,201	2,200	-1	0.0%
96.3%	2,183	2,197	15	0.7%
97.5%	2,172	2,196	24	1.1%
98.8%	2,170	2,189	20	0.9%
100.0%	2,154	2,183	29	1.4%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,343	2,343	0	0.0%
2.5%	2,343	2,343	0	0.0%
3.7%	2,343	2,343	0	0.0%
4.9%	2,343	2,343	0	0.0%
6.2%	2,343	2,343	0	0.0%
7.4%	2,343	2,343	0	0.0%
8.6%	2,343	2,343	0	0.0%
9.9%	2,343	2,343	0	0.0%
11.1%	2,343	2,343	0	0.0%
12.3%	2,343	2,343	0	0.0%
13.6%	2,343	2,343	0	0.0%
14.8%	2,343	2,343	0	0.0%
16.0%	2,343	2,343	0	0.0%
17.3%	2,343	2,343	0	0.0%
18.5%	2,343	2,342	-1	-0.1%
19.8%	2,342	2,339	-3	-0.1%
21.0%	2,334	2,333	-1	0.0%
22.2%	2,334	2,332	-1	-0.1%
23.5%	2,330	2,327	-2	-0.1%
24.7%	2,329	2,326	-2	-0.1%
25.9%	2,327	2,326	0	0.0%
27.2%	2,326	2,326	0	0.0%
28.4%	2,325	2,323	-2	-0.1%
29.6%	2,323	2,322	-1	-0.1%
30.9%	2,322	2,317	-5	-0.2%
32.1%	2,319	2,316	-3	-0.1%
33.3%	2,318	2,316	-2	-0.1%
34.6%	2,317	2,315	-2	-0.1%
35.8%	2,316	2,314	-2	-0.1%
37.0%	2,314	2,314	0	0.0%
38.3%	2,314	2,313	-1	0.0%
39.5%	2,302	2,300	-2	-0.1%
40.7%	2,301	2,300	-1	0.0%
42.0%	2,298	2,299	1	0.1%
43.2%	2,297	2,298	1	0.0%
44.4%	2,297	2,298	1	0.0%
45.7%	2,297	2,296	-1	0.0%
46.9%	2,296	2,295	-1	0.0%
48.1%	2,295	2,294	-1	0.0%
49.4%	2,295	2,293	-1	-0.1%
50.6%	2,294	2,293	-1	0.0%
51.9%	2,293	2,293	0	0.0%
53.1%	2,292	2,291	-1	0.0%
54.3%	2,291	2,291	0	0.0%
55.6%	2,290	2,290	0	0.0%
56.8%	2,286	2,288	2	0.1%
58.0%	2,284	2,288	4	0.2%
59.3%	2,283	2,288	5	0.2%
60.5%	2,282	2,287	5	0.2%
61.7%	2,282	2,287	5	0.2%
63.0%	2,282	2,285	3	0.1%
64.2%	2,278	2,282	4	0.2%
65.4%	2,277	2,279	2	0.1%
66.7%	2,272	2,278	7	0.3%
67.9%	2,269	2,275	6	0.3%
69.1%	2,269	2,274	6	0.2%
70.4%	2,269	2,274	5	0.2%
71.6%	2,267	2,266	-1	0.0%
72.8%	2,267	2,265	-2	-0.1%
74.1%	2,266	2,261	-5	-0.2%
75.3%	2,263	2,255	-8	-0.3%
76.5%	2,257	2,254	-3	-0.1%
77.8%	2,254	2,252	-1	-0.1%
79.0%	2,251	2,251	1	0.0%
80.2%	2,245	2,249	4	0.2%
81.5%	2,244	2,249	5	0.2%
82.7%	2,242	2,248	5	0.2%
84.0%	2,242	2,241	-1	0.0%
85.2%	2,242	2,240	-2	-0.1%
86.4%	2,236	2,235	-1	0.0%
87.7%	2,228	2,221	-7	-0.3%
88.9%	2,221	2,219	-2	-0.1%
90.1%	2,208	2,204	-4	-0.2%
91.4%	2,201	2,200	-2	-0.1%
92.6%	2,201	2,193	-8	-0.4%
93.8%	2,183	2,183	0	0.0%
95.1%	2,182	2,183	0	0.0%
96.3%	2,174	2,183	8	0.4%
97.5%	2,164	2,183	19	0.9%
98.8%	2,157	2,181	24	1.1%
100.0%	2,103	2,128	25	1.2%

Table SW-03-9a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	10,581	10,636	10,934	11,292	11,868	12,506	13,219	13,188	13,021	12,336	11,594	10,955
Alternative D	10,671	10,758	11,055	11,396	11,956	12,569	13,277	13,245	13,069	12,368	11,631	10,986
Difference	90	122	121	105	89	62	57	57	49	32	37	31
Percent Difference[3]	0.9%	1.1%	1.1%	0.9%	0.7%	0.5%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,066	13,111	13,189	13,116	13,890	14,492	15,217	15,354	15,255	14,731	14,217	13,571
Alternative D	13,030	13,088	13,175	13,196	13,948	14,529	15,244	15,384	15,280	14,750	14,181	13,534
Difference	-36	-23	-14	80	58	37	27	30	25	19	-35	-37
Percent Difference	-0.3%	-0.2%	-0.1%	0.6%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	-0.2%	-0.3%
Above Normal (15%)												
No Action Alternative	12,030	11,996	12,141	11,743	12,535	13,417	14,186	14,238	14,126	13,593	12,953	12,283
Alternative D	12,136	12,129	12,292	12,080	12,859	13,700	14,452	14,492	14,381	13,831	13,079	12,428
Difference	106	132	151	337	324	283	266	254	255	237	126	145
Percent Difference	0.9%	1.1%	1.2%	2.9%	2.6%	2.1%	1.9%	1.8%	1.8%	1.7%	1.0%	1.2%
Below Normal (17%)												
No Action Alternative	10,252	10,431	10,888	10,695	11,114	11,631	12,559	12,516	12,317	11,649	10,936	10,351
Alternative D	10,251	10,469	10,914	10,710	11,126	11,640	12,580	12,536	12,338	11,622	10,932	10,353
Difference	-1	37	26	15	12	9	21	20	21	-27	-4	2
Percent Difference	0.0%	0.4%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	-0.2%	0.0%	0.0%
Dry (22%)												
No Action Alternative	9,321	9,378	9,988	10,792	11,262	11,992	12,698	12,453	12,158	11,341	10,382	9,716
Alternative D	9,388	9,492	10,115	10,844	11,286	11,967	12,661	12,419	12,101	11,248	10,351	9,700
Difference	68	115	127	52	24	-25	-36	-34	-57	-93	-32	-15
Percent Difference	0.7%	1.2%	1.3%	0.5%	0.2%	-0.2%	-0.3%	-0.3%	-0.5%	-0.8%	-0.3%	-0.2%
Critical (15%)												
No Action Alternative	6,023	6,040	6,312	8,332	8,605	9,087	9,476	9,333	9,188	8,183	7,137	6,522
Alternative D	6,510	6,574	6,798	8,442	8,712	9,175	9,573	9,430	9,274	8,294	7,392	6,691
Difference	487	534	485	111	107	88	97	97	87	111	255	169
Percent Difference	8.1%	8.8%	7.7%	1.3%	1.2%	1.0%	1.0%	1.0%	0.9%	1.4%	3.6%	2.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-03-9b
Trinity Lake, End of Month Area
Probability of Exceedance

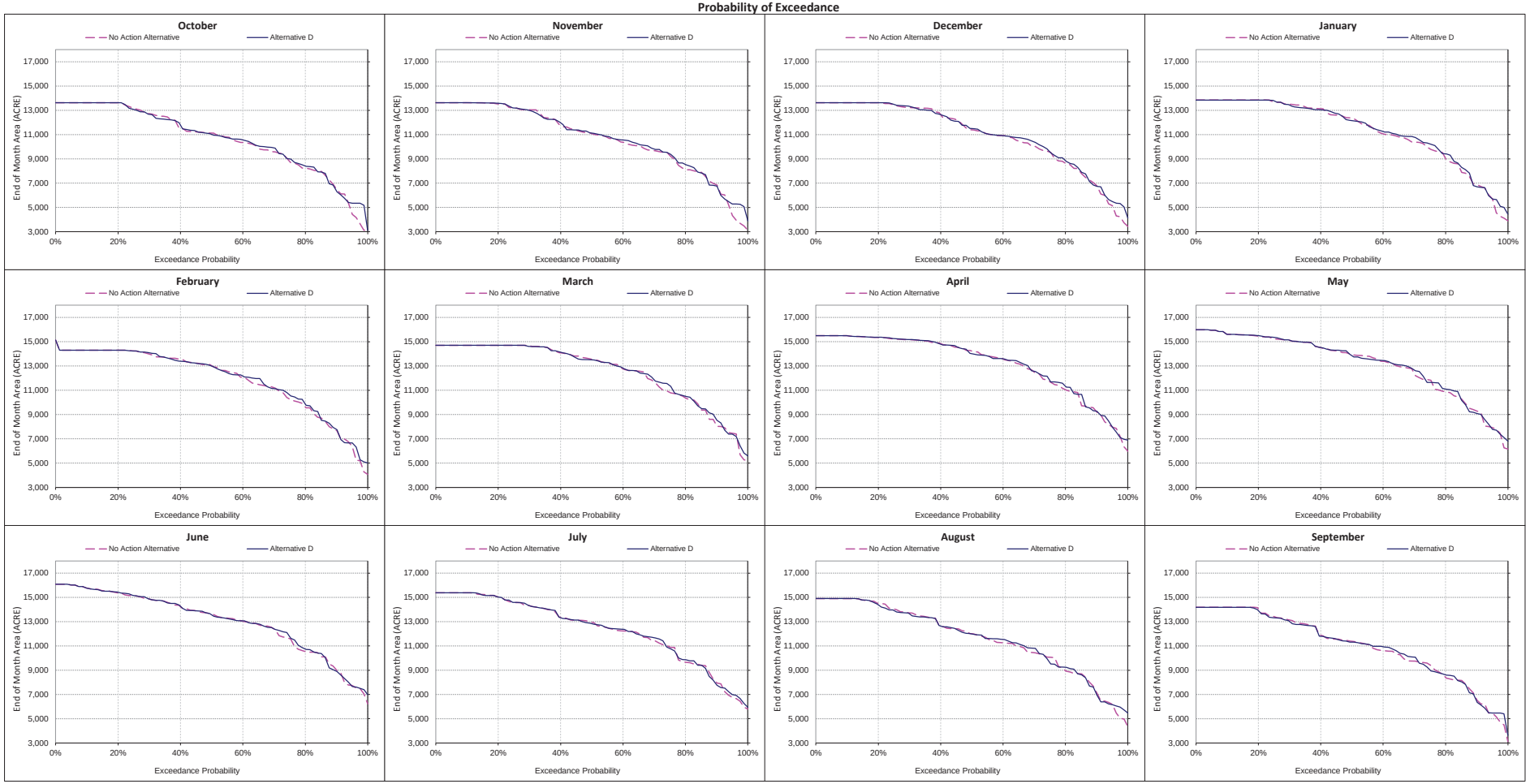

Table SW-03-9b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,625	13,625	0	0.0%
22.2%	13,433	13,468	35	0.3%
23.5%	13,316	13,183	-132	-1.0%
24.7%	13,198	13,089	-109	-0.8%
25.9%	13,095	13,008	-87	-0.7%
27.2%	13,015	12,889	-126	-1.0%
28.4%	12,826	12,887	61	0.5%
29.6%	12,735	12,689	-46	-0.4%
30.9%	12,689	12,638	-51	-0.4%
32.1%	12,584	12,345	-240	-1.9%
33.3%	12,522	12,310	-212	-1.7%
34.6%	12,513	12,288	-225	-1.8%
35.8%	12,455	12,233	-222	-1.8%
37.0%	12,208	12,214	7	0.1%
38.3%	12,186	12,153	-33	-0.3%
39.5%	11,561	11,981	421	3.6%
40.7%	11,512	11,456	-57	-0.5%
42.0%	11,274	11,430	156	1.4%
43.2%	11,257	11,350	93	0.8%
44.4%	11,243	11,341	98	0.9%
45.7%	11,209	11,204	-5	0.0%
46.9%	11,188	11,167	-21	-0.2%
48.1%	11,159	11,113	-46	-0.4%
49.4%	11,129	11,080	-49	-0.4%
50.6%	11,119	10,961	-159	-1.4%
51.9%	10,941	10,928	-12	-0.1%
53.1%	10,897	10,874	-22	-0.2%
54.3%	10,807	10,768	-39	-0.4%
55.6%	10,780	10,720	-60	-0.6%
56.8%	10,560	10,625	66	0.6%
58.0%	10,448	10,625	177	1.7%
59.3%	10,357	10,618	261	2.5%
60.5%	10,355	10,521	166	1.6%
61.7%	10,290	10,447	157	1.5%
63.0%	10,214	10,282	68	0.7%
64.2%	10,075	10,110	35	0.4%
65.4%	9,799	10,028	229	2.3%
66.7%	9,746	10,012	266	2.7%
67.9%	9,736	9,967	230	2.4%
69.1%	9,601	9,953	352	3.7%
70.4%	9,570	9,884	314	3.3%
71.6%	9,472	9,428	-44	-0.5%
72.8%	9,431	9,379	-52	-0.6%
74.1%	9,054	9,018	-35	-0.4%
75.3%	8,699	8,984	285	3.3%
76.5%	8,658	8,698	40	0.5%
77.8%	8,507	8,622	115	1.4%
79.0%	8,242	8,504	262	3.2%
80.2%	8,231	8,379	147	1.8%
81.5%	8,169	8,371	202	2.5%
82.7%	8,058	8,329	271	3.4%
84.0%	7,986	7,924	-62	-0.8%
85.2%	7,965	7,917	-47	-0.6%
86.4%	7,642	7,808	166	2.2%
87.7%	7,259	6,940	-320	-4.4%
88.9%	6,913	6,833	-80	-1.2%
90.1%	6,463	6,294	-169	-2.6%
91.4%	6,120	6,027	-92	-1.5%
92.6%	6,101	5,747	-354	-5.8%
93.8%	5,334	5,418	84	1.6%
95.1%	4,426	5,352	926	20.9%
96.3%	4,168	5,348	1,180	28.3%
97.5%	3,652	5,334	1,682	46.1%
98.8%	3,120	5,171	2,051	65.7%
100.0%	3,120	3,120	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,609	-16	-0.1%
16.0%	13,604	13,604	0	0.0%
17.3%	13,596	13,603	7	0.1%
18.5%	13,579	13,596	16	0.1%
19.8%	13,525	13,579	54	0.4%
21.0%	13,525	13,566	41	0.3%
22.2%	13,512	13,516	4	0.0%
23.5%	13,242	13,344	101	0.8%
24.7%	13,192	13,201	10	0.1%
25.9%	13,188	13,172	-17	-0.1%
27.2%	13,070	13,116	47	0.4%
28.4%	13,049	13,079	30	0.2%
29.6%	13,047	13,034	-13	-0.1%
30.9%	13,041	12,914	-127	-1.0%
32.1%	13,037	12,799	-238	-1.8%
33.3%	12,746	12,592	-154	-1.2%
34.6%	12,406	12,372	-33	-0.3%
35.8%	12,369	12,265	-104	-0.8%
37.0%	12,344	12,255	-89	-0.7%
38.3%	12,237	12,234	-3	0.0%
39.5%	11,839	12,075	236	2.0%
40.7%	11,648	11,837	189	1.6%
42.0%	11,625	11,403	-222	-1.9%
43.2%	11,476	11,398	-78	-0.7%
44.4%	11,422	11,389	-33	-0.3%
45.7%	11,296	11,371	75	0.7%
46.9%	11,214	11,297	83	0.7%
48.1%	11,152	11,294	142	1.3%
49.4%	11,137	11,152	15	0.1%
50.6%	11,023	11,098	75	0.7%
51.9%	10,970	11,029	59	0.5%
53.1%	10,910	10,971	61	0.6%
54.3%	10,861	10,870	9	0.1%
55.6%	10,688	10,827	138	1.3%
56.8%	10,669	10,678	9	0.1%
58.0%	10,585	10,609	25	0.2%
59.3%	10,396	10,566	170	1.6%
60.5%	10,347	10,551	204	2.0%
61.7%	10,202	10,497	294	2.9%
63.0%	10,123	10,380	257	2.5%
64.2%	10,089	10,288	199	2.0%
65.4%	10,075	10,155	80	0.8%
66.7%	9,874	10,112	238	2.4%
67.9%	9,737	10,074	336	3.5%
69.1%	9,707	9,885	178	1.8%
70.4%	9,663	9,773	110	1.1%
71.6%	9,598	9,769	170	1.8%
72.8%	9,542	9,555	13	0.1%
74.1%	9,539	9,548	8	0.1%
75.3%	9,203	9,364	160	1.7%
76.5%	8,953	9,092	139	1.6%
77.8%	8,470	8,672	202	2.4%
79.0%	8,245	8,661	416	5.0%
80.2%	8,103	8,508	405	5.0%
81.5%	8,101	8,402	301	3.7%
82.7%	8,011	8,276	265	3.3%
84.0%	7,943	7,920	-23	-0.3%
85.2%	7,882	7,827	-55	-0.7%
86.4%	7,546	7,692	146	1.9%
87.7%	7,155	6,836	-320	-4.5%
88.9%	6,983	6,814	-169	-2.4%
90.1%	6,840	6,760	-80	-1.2%
91.4%	6,081	5,986	-96	-1.6%
92.6%	6,031	5,677	-354	-5.9%
93.8%	5,218	5,471	254	4.9%
95.1%	4,329	5,288	960	22.2%
96.3%	3,940	5,279	1,339	34.0%
97.5%	3,686	5,267	1,580	42.9%
98.8%	3,471	5,065	1,594	45.9%
100.0%	3,120	3,879	759	24.3%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,625	13,625	0	0.0%
9.9%	13,625	13,625	0	0.0%
11.1%	13,625	13,625	0	0.0%
12.3%	13,625	13,625	0	0.0%
13.6%	13,625	13,625	0	0.0%
14.8%	13,625	13,625	0	0.0%
16.0%	13,625	13,625	0	0.0%
17.3%	13,625	13,625	0	0.0%
18.5%	13,625	13,625	0	0.0%
19.8%	13,625	13,625	0	0.0%
21.0%	13,613	13,625	12	0.1%
22.2%	13,560	13,625	65	0.5%
23.5%	13,555	13,601	46	0.3%
24.7%	13,478	13,523	45	0.3%
25.9%	13,373	13,424	51	0.4%
27.2%	13,304	13,385	81	0.6%
28.4%	13,254	13,370	116	0.9%
29.6%	13,234	13,350	116	0.9%
30.9%	13,214	13,267	53	0.4%
32.1%	13,198	13,171	-27	-0.2%
33.3%	13,195	13,058	-137	-1.0%
34.6%	13,174	13,050	-123	-0.9%
35.8%	13,168	12,998	-170	-1.3%
37.0%	13,130	12,976	-155	-1.2%
38.3%	12,884	12,756	-128	-1.0%
39.5%	12,808	12,691	-118	-0.9%
40.7%	12,394	12,582	188	1.5%
42.0%	12,383	12,475	92	0.7%
43.2%	12,339	12,202	-137	-1.1%
44.4%	12,282	12,111	-171	-1.4%
45.7%	12,147	12,089	-59	-0.5%
46.9%	11,843	11,755	-88	-0.7%
48.1%	11,541	11,755	214	1.9%
49.4%	11,401	11,510	109	1.0%
50.6%	11,375	11,492	116	1.0%
51.9%	11,307	11,442	134	1.2%
53.1%	11,298	11,222	-76	-0.7%
54.3%	11,099	11,112	13	0.1%
55.6%	11,025	11,045	20	0.2%
56.8%	10,992	10,982	-9	-0.1%
58.0%	10,927	10,950	24	0.2%
59.3%	10,917	10,929	13	0.1%
60.5%	10,917	10,894	-23	-0.2%
61.7%	10,788	10,856	68	0.6%
63.0%	10,747	10,797	51	0.5%
64.2%	10,536	10,755	219	2.1%
65.4%	10,427	10,735	308	3.0%
66.7%	10,329	10,677	349	3.4%
67.9%	10,306	10,614	308	3.0%
69.1%	10,056	10,486	431	4.3%
70.4%	10,018	10,352	334	3.3%
71.6%	9,816	10,152	336	3.4%
72.8%	9,690	10,005	315	3.2%
74.1%	9,643	9,828	185	1.9%
75.3%	9,535	9,494	-41	-0.4%
76.5%	9,014	9,280	265	2.9%
77.8%	8,835	9,090	256	2.9%
79.0%	8,798	9,088	290	3.3%
80.2%	8,590	8,781	191	2.2%
81.5%	8,519	8,617	97	1.1%
82.7%	8,212	8,551	340	4.1%
84.0%	8,211	8,299	88	1.1%
85.2%	7,777	7,885	109	1.4%
86.4%	7,478	7,760	282	3.8%
87.7%	7,260	7,133	-128	-1.8%
88.9%	7,049	6,852	-197	-2.8%
90.1%	6,775	6,730	-45	-0.7%
91.4%	6,105	6,695	590	9.7%
92.6%	5,992	6,010	17	0.3%
93.8%	5,295	5,638	343	6.5%
95.1%	5,141	5,469	329	6.4%
96.3%	4,295	5,344	1,049	24.4%
97.5%	4,228	5,313	1,085	25.7%
98.8%	3,727	5,034	1,307	35.1%
100.0%	3,434	4,130	696	20.3%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,850	13,850	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,850	13,850	0	0.0%
17.3%	13,850	13,850	0	0.0%
18.5%	13,850	13,850	0	0.0%
19.8%	13,850	13,850	0	0.0%
21.0%	13,850	13,850	0	0.0%
22.2%	13,850	13,850	0	0.0%
23.5%	13,850	13,850	0	0.0%
24.7%	13,709	13,824	115	0.8%
25.9%	13,675	13,679	4	0.0%
27.2%	13,654	13,675	21	0.2%
28.4%	13,535	13,501	-34	-0.3%
29.6%	13,512	13,479	-33	-0.2%
30.9%	13,488	13,333	-155	-1.1%
32.1%	13,436	13,243	-193	-1.4%
33.3%	13,434	13,234	-199	-1.5%
34.6%	13,328	13,191	-137	-1.0%
35.8%	13,194	13,161	-33	-0.2%
37.0%	13,181	13,111	-70	-0.5%
38.3%	13,151	13,059	-92	-0.7%
39.5%	13,138	13,057	-82	-0.6%
40.7%	13,125	13,019	-106	-0.8%
42.0%	12,782	13,011	229	1.8%
43.2%	12,633	12,897	263	2.1%
44.4%	12,614	12,782	168	1.3%
45.7%	12,588	12,698	109	0.9%
46.9%	12,526	12,518	-8	-0.1%
48.1%	12,393	12,238	-155	-1.2%
49.4%	12,378	12,176	-202	-1.6%
50.6%	12,312	12,132	-181	-1.5%
51.9%	12,110	12,087	-24	-0.2%
53.1%	11,893	12,054	160	1.3%
54.3%	11,782	11,943	161	1.4%
55.6%	11,759	11,664	-96	-0.8%
56.8%	11,506	11,536	30	0.3%
58.0%	11,270	11,408	137	1.2%
59.3%	11,117	11,321	204	1.8%
60.5%	11,019	11,214	195	1.8%
61.7%	10,995	11,199	204	1.9%
63.0%	10,968	11,097	128	1.2%
64.2%	10,883	11,031	149	1.4%
65.4%	10,781	10,911	131	1.2%
66.7%	10,725	10,857	132	1.2%
67.9%	10,596	10,849	253	2.4%
69.1%	10,394	10,844	450	4.3%
70.4%	10,377	10,753	376	3.6%
71.6%	10,355	10,563	208	2.0%
72.8%	10,258	10,343	85	0.8%
74.1%	9,973	10,302	329	3.3%
75.3%	9,776	10,195	418	4.3%
76.5%	9,665	10,103	439	4.5%
77.8%	9,574	9,772	198	2.1%
79.0%	9,526	9,436	-89	-0.9%
80.2%	8,906	9,415	509	5.7%
81.5%	8,756	9,302	546	6.2%
82.7%	8,629	8,792	163	1.9%
84.0%	8,601	8,660	59	0.7%
85.2%	7,885	8,306	421	5.3%
86.4%	7,818	8,113	295	3.8%
87.7%	7,541	7,823	282	3.7%
88.9%	6,942	6,789	-153	-2.2%
90.1%	6,872	6,696	-176	-2.6%
91.4%	6,720	6,640	-80	-1.2%
92.6%	6,599	6,623	24	0.4%
93.8%	6,033	5,962	-71	-1.2%
95.1%	5,695	5,679	-16	-0.3%
96.3%	4,551	5,646	1,095	24.1%
97.5%	4,271	5,095	824	19.3%
98.8%	4,111	5,010	899	21.9%
100.0%	3,895	4,452	558	14.3%

Table SW-03-9b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,133	15,133	0	0.0%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,259	14,259	0	0.0%
24.7%	14,244	14,244	0	0.0%
25.9%	14,232	14,232	0	0.0%
27.2%	14,106	14,141	35	0.2%
28.4%	14,096	14,141	45	0.3%
29.6%	14,006	14,098	92	0.7%
30.9%	13,913	14,039	126	0.9%
32.1%	13,758	14,025	267	1.9%
33.3%	13,742	13,776	34	0.2%
34.6%	13,739	13,739	0	0.0%
35.8%	13,663	13,656	-8	-0.1%
37.0%	13,640	13,561	-79	-0.6%
38.3%	13,640	13,468	-172	-1.3%
39.5%	13,566	13,397	-169	-1.2%
40.7%	13,524	13,382	-142	-1.0%
42.0%	13,330	13,360	30	0.2%
43.2%	13,300	13,281	-19	-0.1%
44.4%	13,245	13,241	-4	0.0%
45.7%	13,224	13,194	-30	-0.2%
46.9%	13,126	13,193	67	0.5%
48.1%	13,118	13,152	33	0.3%
49.4%	13,116	13,048	-67	-0.5%
50.6%	12,922	12,922	0	0.0%
51.9%	12,884	12,764	-120	-0.9%
53.1%	12,636	12,629	-7	-0.1%
54.3%	12,628	12,524	-104	-0.8%
55.6%	12,504	12,366	-138	-1.1%
56.8%	12,457	12,291	-166	-1.3%
58.0%	12,389	12,275	-114	-0.9%
59.3%	12,071	12,270	199	1.6%
60.5%	12,069	12,086	17	0.1%
61.7%	11,834	12,074	240	2.0%
63.0%	11,593	12,003	410	3.5%
64.2%	11,532	11,973	441	3.8%
65.4%	11,450	11,966	516	4.5%
66.7%	11,395	11,524	128	1.1%
67.9%	11,320	11,274	-46	-0.4%
69.1%	11,288	11,164	-124	-1.1%
70.4%	11,174	11,126	-47	-0.4%
71.6%	10,937	11,044	108	1.0%
72.8%	10,803	10,994	190	1.8%
74.1%	10,409	10,802	393	3.8%
75.3%	10,218	10,538	320	3.1%
76.5%	10,112	10,442	330	3.3%
77.8%	10,031	10,277	246	2.5%
79.0%	9,924	10,254	330	3.3%
80.2%	9,554	9,766	212	2.2%
81.5%	9,551	9,728	177	1.9%
82.7%	9,074	9,320	246	2.7%
84.0%	8,780	9,244	463	5.3%
85.2%	8,698	8,523	-175	-2.0%
86.4%	8,428	8,457	29	0.3%
87.7%	8,004	8,295	292	3.6%
88.9%	7,824	7,953	130	1.7%
90.1%	7,672	7,741	69	0.9%
91.4%	6,985	6,943	-42	-0.6%
92.6%	6,980	6,679	-301	-4.3%
93.8%	6,747	6,667	-80	-1.2%
95.1%	6,362	6,661	299	4.7%
96.3%	5,226	6,319	1,093	20.9%
97.5%	5,207	5,268	61	1.2%
98.8%	4,282	5,109	827	19.3%
100.0%	4,070	5,021	951	23.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,700	14,700	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,700	14,700	0	0.0%
29.6%	14,700	14,614	-86	-0.6%
30.9%	14,614	14,606	-8	-0.1%
32.1%	14,611	14,597	-14	-0.1%
33.3%	14,606	14,586	-20	-0.1%
34.6%	14,577	14,585	7	0.1%
35.8%	14,516	14,516	0	0.0%
37.0%	14,332	14,266	-66	-0.5%
38.3%	14,224	14,257	32	0.2%
39.5%	14,096	14,173	76	0.5%
40.7%	14,056	14,081	26	0.2%
42.0%	13,998	14,019	21	0.1%
43.2%	13,918	13,918	1	0.0%
44.4%	13,817	13,745	-72	-0.5%
45.7%	13,815	13,578	-237	-1.7%
46.9%	13,701	13,533	-168	-1.2%
48.1%	13,649	13,519	-130	-1.0%
49.4%	13,587	13,508	-78	-0.6%
50.6%	13,516	13,508	-8	-0.1%
51.9%	13,468	13,428	-39	-0.3%
53.1%	13,345	13,311	-34	-0.3%
54.3%	13,265	13,295	30	0.2%
55.6%	13,191	13,261	70	0.5%
56.8%	13,139	13,101	-38	-0.3%
58.0%	13,134	12,985	-149	-1.1%
59.3%	12,858	12,919	61	0.5%
60.5%	12,706	12,759	53	0.4%
61.7%	12,633	12,629	-4	0.0%
63.0%	12,600	12,628	28	0.2%
64.2%	12,596	12,606	10	0.1%
65.4%	12,567	12,415	-151	-1.2%
66.7%	12,508	12,381	-127	-1.0%
67.9%	11,969	12,334	365	3.1%
69.1%	11,844	12,089	245	2.1%
70.4%	11,623	11,756	132	1.1%
71.6%	11,266	11,663	396	3.5%
72.8%	11,005	11,578	573	5.2%
74.1%	10,946	11,554	609	5.6%
75.3%	10,781	11,329	548	5.1%
76.5%	10,722	10,769	47	0.4%
77.8%	10,641	10,656	15	0.1%
79.0%	10,530	10,569	40	0.4%
80.2%	10,333	10,486	154	1.5%
81.5%	10,216	10,435	219	2.1%
82.7%	10,186	10,104	-81	-0.8%
84.0%	9,877	9,719	-158	-1.6%
85.2%	9,370	9,478	108	1.2%
86.4%	9,368	9,460	92	1.0%
87.7%	8,606	9,151	545	6.3%
88.9%	8,604	9,045	441	5.1%
90.1%	8,028	8,523	495	6.2%
91.4%	8,018	8,304	286	3.6%
92.6%	7,916	7,713	-202	-2.6%
93.8%	7,517	7,384	-133	-1.8%
95.1%	7,460	7,380	-80	-1.1%
96.3%	7,397	7,198	-199	-2.7%
97.5%	5,688	6,417	729	12.8%
98.8%	5,272	5,820	548	10.4%
100.0%	5,206	5,590	384	7.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,459	15,453	-6	0.0%
12.3%	15,433	15,433	0	0.0%
13.6%	15,433	15,427	-6	0.0%
14.8%	15,412	15,412	0	0.0%
16.0%	15,402	15,402	0	0.0%
17.3%	15,375	15,369	-6	0.0%
18.5%	15,363	15,364	1	0.0%
19.8%	15,353	15,363	9	0.1%
21.0%	15,345	15,361	16	0.1%
22.2%	15,336	15,330	-6	0.0%
23.5%	15,265	15,317	52	0.3%
24.7%	15,235	15,260	25	0.2%
25.9%	15,203	15,235	32	0.2%
27.2%	15,199	15,222	23	0.2%
28.4%	15,173	15,199	25	0.2%
29.6%	15,170	15,173	3	0.0%
30.9%	15,155	15,170	15	0.1%
32.1%	15,132	15,163	31	0.2%
33.3%	15,121	15,121	0	0.0%
34.6%	15,064	15,093	29	0.2%
35.8%	15,061	15,064	3	0.0%
37.0%	14,946	15,061	116	0.8%
38.3%	14,913	14,946	33	0.2%
39.5%	14,896	14,827	-70	-0.5%
40.7%	14,766	14,736	-30	-0.2%
42.0%	14,705	14,728	23	0.2%
43.2%	14,681	14,713	31	0.2%
44.4%	14,552	14,688	136	0.9%
45.7%	14,534	14,511	-23	-0.2%
46.9%	14,509	14,433	-75	-0.5%
48.1%	14,287	14,394	107	0.8%
49.4%	14,277	14,043	-234	-1.6%
50.6%	14,176	13,971	-205	-1.4%
51.9%	14,153	13,918	-236	-1.7%
53.1%	13,932	13,898	-34	-0.2%
54.3%	13,908	13,873	-35	-0.3%
55.6%	13,802	13,783	-19	-0.1%
56.8%	13,753	13,614	-139	-1.0%
58.0%	13,688	13,611	-76	-0.6%
59.3%	13,679	13,611	-68	-0.5%
60.5%	13,505	13,574	69	0.5%
61.7%	13,452	13,467	15	0.1%
63.0%	13,391	13,464	74	0.5%
64.2%	13,226	13,442	216	1.6%
65.4%	13,146	13,287	141	1.1%
66.7%	12,981	13,139	159	1.2%
67.9%	12,769	13,031	262	2.1%
69.1%	12,684	12,598	-86	-0.7%
70.4%	12,397	12,544	147	1.2%
71.6%	12,336	12,352	16	0.1%
72.8%	11,915	12,175	259	2.2%
74.1%	11,858	12,155	297	2.5%
75.3%	11,653	11,689	35	0.3%
76.5%	11,463	11,680	217	1.9%
77.8%	11,410	11,655	245	2.1%
79.0%	11,163	11,585	421	3.8%
80.2%	11,020	11,255	235	2.1%
81.5%	10,903	11,243	339	3.1%
82.7%	10,875	10,723	-152	-1.4%
84.0%	10,808	10,665	-143	-1.3%
85.2%	9,716	10,656	940	9.7%
86.4%	9,697	9,641	-56	-0.6%
87.7%	9,615	9,539	-76	-0.8%
88.9%	9,564	9,310	-254	-2.7%
90.1%	9,189	9,278	88	1.0%
91.4%	8,971	8,933	-38	-0.4%
92.6%	8,403	8,893	491	5.8%
93.8%	8,182	8,457	275	3.4%
95.1%	7,966	7,953	-13	-0.2%
96.3%	7,853	7,534	-318	-4.1%
97.5%	7,196	7,111	-85	-1.2%
98.8%	6,338	6,963	624	9.9%
100.0%	5,979	6,899	920	15.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,980	15,980	0	0.0%
1.2%	15,980	15,980	0	0.0%
2.5%	15,980	15,980	0	0.0%
3.7%	15,980	15,980	0	0.0%
4.9%	15,944	15,944	0	0.0%
6.2%	15,941	15,941	0	0.0%
7.4%	15,843	15,837	-6	0.0%
8.6%	15,835	15,835	0	0.0%
9.9%	15,619	15,613	-6	0.0%
11.1%	15,601	15,601	0	0.0%
12.3%	15,592	15,595	3	0.0%
13.6%	15,582	15,582	0	0.0%
14.8%	15,572	15,571	-1	0.0%
16.0%	15,571	15,566	-5	0.0%
17.3%	15,541	15,541	0	0.0%
18.5%	15,502	15,524	21	0.1%
19.8%	15,466	15,522	56	0.4%
21.0%	15,404	15,466	63	0.4%
22.2%	15,395	15,398	3	0.0%
23.5%	15,386	15,386	0	0.0%
24.7%	15,238	15,367	129	0.8%
25.9%	15,215	15,325	110	0.7%
27.2%	15,185	15,238	53	0.3%
28.4%	15,160	15,157	-3	0.0%
29.6%	15,157	15,153	-3	0.0%
30.9%	15,038	15,038	0	0.0%
32.1%	15,033	15,033	0	0.0%
33.3%	14,993	14,993	0	0.0%
34.6%	14,952	14,956	4	0.0%
35.8%	14,949	14,952	3	0.0%
37.0%	14,931	14,891	-40	-0.3%
38.3%	14,610	14,610	0	0.0%
39.5%	14,543	14,543	0	0.0%
40.7%	14,458	14,480	23	0.2%
42.0%	14,431	14,391	-39	-0.3%
43.2%	14,286	14,324	38	0.3%
44.4%	14,265	14,308	43	0.3%
45.7%	14,240	14,300	60	0.4%
46.9%	14,108	14,254	146	1.0%
48.1%	14,097	14,248	151	1.1%
49.4%	13,986	13,952	-34	-0.2%
50.6%	13,901	13,744	-156	-1.1%
51.9%	13,871	13,740	-131	-0.9%
53.1%	13,867	13,625	-243	-1.7%
54.3%	13,807	13,591	-216	-1.6%
55.6%	13,797	13,579	-218	-1.6%
56.8%	13,668	13,509	-158	-1.2%
58.0%	13,578	13,477	-101	-0.7%
59.3%	13,390	13,468	78	0.6%
60.5%	13,374	13,436	62	0.5%
61.7%	13,268	13,352	84	0.6%
63.0%	13,203	13,217	13	0.1%
64.2%	13,021	13,127	106	0.8%
65.4%	12,934	13,082	148	1.1%
66.7%	12,899	13,048	149	1.2%
67.9%	12,829	12,952	123	1.0%
69.1%	12,786	12,795	9	0.1%
70.4%	12,199	12,616	417	3.4%
71.6%	12,033	12,542	509	4.2%
72.8%	11,885	12,154	269	2.3%
74.1%	11,883	11,650	-233	-2.0%
75.3%	11,821	11,641	-180	-1.5%
76.5%	11,081	11,619	538	4.9%
77.8%	11,030	11,601	571	5.2%
79.0%	10,921	11,160	239	2.2%
80.2%	10,867	11,093	225	2.1%
81.5%	10,800	11,044	244	2.3%
82.7%	10,546	10,939	393	3.7%
84.0%	10,447	10,902	454	4.3%
85.2%	10,264	10,175	-89	-0.9%
86.4%	9,887	9,814	-72	-0.7%
87.7%	9,514	9,225	-289	-3.0%
88.9%	9,407	9,194	-213	-2.3%
90.1%	9,274	9,087	-187	-2.0%
91.4%	9,175	9,006	-169	-1.8%
92.6%	8,052	8,581	529	6.6%
93.8%	8,011	8,194	182	2.3%
95.1%	7,918	7,764	-154	-2.0%
96.3%	7,777	7,699	-78	-1.0%
97.5%	7,451	7,366	-84	-1.1%
98.8%	6,256	7,120	864	13.8%
100.0%	6,157	6,815	658	10.7%

Table SW-03-9b
Trinity Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,088	16,088	0	0.0%
1.2%	16,088	16,088	0	0.0%
2.5%	16,088	16,088	0	0.0%
3.7%	16,088	16,088	0	0.0%
4.9%	16,026	16,026	0	0.0%
6.2%	16,021	16,021	0	0.0%
7.4%	15,903	15,903	0	0.0%
8.6%	15,888	15,888	0	0.0%
9.9%	15,770	15,770	0	0.0%
11.1%	15,710	15,704	-6	0.0%
12.3%	15,696	15,661	-36	-0.2%
13.6%	15,661	15,626	-35	-0.2%
14.8%	15,559	15,531	-28	-0.2%
16.0%	15,518	15,516	-2	0.0%
17.3%	15,516	15,512	-4	0.0%
18.5%	15,438	15,465	26	0.2%
19.8%	15,372	15,433	61	0.4%
21.0%	15,358	15,364	6	0.0%
22.2%	15,203	15,345	142	0.9%
23.5%	15,157	15,303	145	1.0%
24.7%	15,146	15,156	10	0.1%
25.9%	15,116	15,116	0	0.0%
27.2%	15,049	15,067	18	0.1%
28.4%	14,919	15,049	130	0.9%
29.6%	14,904	14,898	-6	0.0%
30.9%	14,797	14,797	0	0.0%
32.1%	14,755	14,755	0	0.0%
33.3%	14,751	14,751	0	0.0%
34.6%	14,700	14,700	0	0.0%
35.8%	14,594	14,555	-40	-0.3%
37.0%	14,472	14,508	36	0.3%
38.3%	14,371	14,493	122	0.8%
39.5%	14,349	14,378	29	0.2%
40.7%	14,075	14,088	12	0.1%
42.0%	14,062	13,932	-130	-0.9%
43.2%	13,932	13,926	-6	0.0%
44.4%	13,926	13,897	-29	-0.2%
45.7%	13,833	13,877	43	0.3%
46.9%	13,765	13,867	103	0.7%
48.1%	13,735	13,733	-2	0.0%
49.4%	13,667	13,666	-1	0.0%
50.6%	13,579	13,448	-132	-1.0%
51.9%	13,425	13,370	-55	-0.4%
53.1%	13,351	13,353	1	0.0%
54.3%	13,309	13,286	-23	-0.2%
55.6%	13,276	13,227	-49	-0.4%
56.8%	13,243	13,167	-76	-0.6%
58.0%	13,124	13,096	-28	-0.2%
59.3%	13,092	13,068	-24	-0.2%
60.5%	13,000	13,058	58	0.4%
61.7%	12,971	12,926	-45	-0.3%
63.0%	12,895	12,864	-31	-0.2%
64.2%	12,836	12,859	23	0.2%
65.4%	12,703	12,797	94	0.7%
66.7%	12,641	12,645	4	0.0%
67.9%	12,636	12,533	-103	-0.8%
69.1%	12,535	12,509	-26	-0.2%
70.4%	12,334	12,359	25	0.2%
71.6%	11,841	12,269	427	3.6%
72.8%	11,738	12,167	428	3.6%
74.1%	11,684	12,101	416	3.6%
75.3%	11,574	11,640	66	0.6%
76.5%	10,959	11,476	516	4.7%
77.8%	10,726	11,063	338	3.2%
79.0%	10,616	10,855	238	2.2%
80.2%	10,516	10,703	187	1.8%
81.5%	10,490	10,694	204	1.9%
82.7%	10,488	10,496	8	0.1%
84.0%	10,447	10,418	-29	-0.3%
85.2%	10,105	10,368	263	2.6%
86.4%	10,100	10,021	-79	-0.8%
87.7%	9,509	9,198	-311	-3.3%
88.9%	9,344	9,048	-296	-3.2%
90.1%	8,974	8,894	-80	-0.9%
91.4%	8,770	8,601	-168	-1.9%
92.6%	7,969	8,309	340	4.3%
93.8%	7,779	8,018	239	3.1%
95.1%	7,741	7,658	-83	-1.1%
96.3%	7,515	7,620	105	1.4%
97.5%	7,482	7,502	20	0.3%
98.8%	7,064	7,398	334	4.7%
100.0%	6,233	6,984	751	12.1%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	15,380	15,380	0	0.0%
3.7%	15,380	15,380	0	0.0%
4.9%	15,380	15,380	0	0.0%
6.2%	15,380	15,380	0	0.0%
7.4%	15,380	15,380	0	0.0%
8.6%	15,380	15,380	0	0.0%
9.9%	15,380	15,380	0	0.0%
11.1%	15,380	15,380	0	0.0%
12.3%	15,344	15,375	31	0.2%
13.6%	15,254	15,339	85	0.6%
14.8%	15,241	15,185	-56	-0.4%
16.0%	15,232	15,168	-63	-0.4%
17.3%	15,174	15,165	-10	-0.1%
18.5%	15,165	15,162	-3	0.0%
19.8%	15,047	15,041	-6	0.0%
21.0%	14,994	14,994	0	0.0%
22.2%	14,799	14,786	-13	-0.1%
23.5%	14,659	14,786	126	0.9%
24.7%	14,585	14,585	0	0.0%
25.9%	14,569	14,579	10	0.1%
27.2%	14,568	14,568	0	0.0%
28.4%	14,354	14,525	171	1.2%
29.6%	14,342	14,348	6	0.0%
30.9%	14,250	14,250	0	0.0%
32.1%	14,198	14,198	0	0.0%
33.3%	14,139	14,139	0	0.0%
34.6%	14,100	14,100	0	0.0%
35.8%	13,990	14,031	41	0.3%
37.0%	13,968	13,969	1	0.0%
38.3%	13,807	13,923	116	0.8%
39.5%	13,371	13,365	-7	0.0%
40.7%	13,357	13,258	-98	-0.7%
42.0%	13,260	13,237	-23	-0.2%
43.2%	13,139	13,176	37	0.3%
44.4%	13,118	13,139	21	0.2%
45.7%	13,115	13,122	7	0.1%
46.9%	13,105	13,012	-94	-0.7%
48.1%	13,076	12,925	-151	-1.2%
49.4%	12,974	12,876	-98	-0.8%
50.6%	12,927	12,780	-147	-1.1%
51.9%	12,654	12,743	89	0.7%
53.1%	12,613	12,701	88	0.7%
54.3%	12,545	12,548	3	0.0%
55.6%	12,449	12,443	-6	0.0%
56.8%	12,377	12,425	47	0.4%
58.0%	12,287	12,406	119	1.0%
59.3%	12,241	12,384	143	1.2%
60.5%	12,224	12,370	146	1.2%
61.7%	12,213	12,181	-32	-0.3%
63.0%	12,167	12,180	13	0.1%
64.2%	12,136	12,000	-136	-1.1%
65.4%	11,978	11,903	-75	-0.6%
66.7%	11,714	11,804	90	0.8%
67.9%	11,692	11,767	75	0.6%
69.1%	11,460	11,729	269	2.4%
70.4%	11,406	11,653	248	2.2%
71.6%	11,234	11,577	343	3.0%
72.8%	11,093	11,420	327	2.9%
74.1%	11,036	10,899	-137	-1.2%
75.3%	10,881	10,750	-131	-1.2%
76.5%	10,877	10,592	-285	-2.6%
77.8%	9,845	9,998	153	1.6%
79.0%	9,696	9,875	180	1.9%
80.2%	9,645	9,859	213	2.2%
81.5%	9,613	9,782	169	1.8%
82.7%	9,512	9,773	261	2.7%
84.0%	9,495	9,414	-81	-0.9%
85.2%	9,394	9,405	12	0.1%
86.4%	9,372	9,148	-224	-2.4%
87.7%	8,802	8,484	-317	-3.6%
88.9%	8,271	8,191	-80	-1.0%
90.1%	7,941	7,770	-170	-2.1%
91.4%	7,875	7,575	-300	-3.8%
92.6%	7,233	7,520	286	4.0%
93.8%	6,944	7,220	276	4.0%
95.1%	6,754	7,000	246	3.6%
96.3%	6,656	6,924	268	4.0%
97.5%	6,447	6,671	224	3.5%
98.8%	5,954	6,254	299	5.0%
100.0%	5,802	5,940	137	2.4%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,900	14,900	0	0.0%
3.7%	14,900	14,900	0	0.0%
4.9%	14,900	14,900	0	0.0%
6.2%	14,900	14,900	0	0.0%
7.4%	14,900	14,900	0	0.0%
8.6%	14,900	14,900	0	0.0%
9.9%	14,900	14,900	0	0.0%
11.1%	14,900	14,900	0	0.0%
12.3%	14,900	14,900	0	0.0%
13.6%	14,882	14,877	-5	0.0%
14.8%	14,790	14,791	1	0.0%
16.0%	14,742	14,776	34	0.2%
17.3%	14,693	14,736	43	0.3%
18.5%	14,691	14,591	-100	-0.7%
19.8%	14,511	14,432	-79	-0.5%
21.0%	14,502	14,192	-309	-2.1%
22.2%	14,436	14,109	-327	-2.3%
23.5%	14,108	13,959	-149	-1.1%
24.7%	14,071	13,956	-114	-0.8%
25.9%	13,974	13,805	-168	-1.2%
27.2%	13,812	13,762	-50	-0.4%
28.4%	13,804	13,736	-68	-0.5%
29.6%	13,725	13,707	-18	-0.1%
30.9%	13,706	13,471	-235	-1.7%
32.1%	13,565	13,427	-138	-1.0%
33.3%	13,471	13,379	-92	-0.7%
34.6%	13,436	13,379	-58	-0.4%
35.8%	13,379	13,339	-40	-0.3%
37.0%	13,296	13,319	23	0.2%
38.3%	13,296	13,252	-44	-0.3%
39.5%	12,684	12,686	2	0.0%
40.7%	12,600	12,575	-25	-0.2%
42.0%	12,456	12,572	116	0.9%
43.2%	12,430	12,506	76	0.6%
44.4%	12,430	12,453	23	0.2%
45.7%	12,406	12,283	-123	-1.0%
46.9%	12,255	12,132	-123	-1.0%
48.1%	12,201	12,041	-161	-1.3%
49.4%	12,014	12,014	0	0.0%
50.6%	11,993	11,954	-39	-0.3%
51.9%	11,873	11,920	47	0.4%
53.1%	11,796	11,882	86	0.7%
54.3%	11,713	11,611	-103	-0.9%
55.6%	11,509	11,606	97	0.8%
56.8%	11,455	11,594	138	1.2%
58.0%	11,295	11,589	294	2.6%
59.3%	11,277	11,542	265	2.3%
60.5%	11,242	11,525	283	2.5%
61.7%	11,218	11,391	173	1.5%
63.0%	11,205	11,277	72	0.6%
64.2%	10,996	11,249	254	2.3%
65.4%	10,949	11,111	162	1.5%
66.7%	10,848	11,008	159	1.5%
67.9%	10,461	10,845	385	3.7%
69.1%	10,459	10,824	365	3.5%
70.4%	10,434	10,795	361	3.5%
71.6%	10,348	10,381	33	0.3%
72.8%	10,250	10,301	51	0.5%
74.1%	10,078	9,935	-143	-1.4%
75.3%	10,064	9,509	-555	-5.5%
76.5%	10,031	9,484	-546	-5.4%
77.8%	9,314	9,259	-55	-0.6%
79.0%	9,157	9,250	93	1.0%
80.2%	8,918	9,237	318	3.6%
81.5%	8,856	9,126	270	3.1%
82.7%	8,738	9,080	342	3.9%
84.0%	8,718	8,704	-15	-0.2%
85.2%	8,695	8,608	-87	-1.0%
86.4%	8,426	8,370	-56	-0.7%
87.7%	8,022	7,701	-321	-4.0%
88.9%	7,699	7,618	-81	-1.0%
90.1%	7,107	6,937	-169	-2.4%
91.4%	6,477	6,394	-83	-1.3%
92.6%	6,452	6,394	-58	-0.9%
93.8%	6,345	6,213	-132	-2.1%
95.1%	6,183	6,144	-39	-0.6%
96.3%	5,471	6,039	567	10.4%
97.5%	5,045	5,965	920	18.2%
98.8%	4,970	5,723	753	15.1%
100.0%	4,346	5,471	1,126	25.9%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	14,188	0	0.0%
3.7%	14,188	14,188	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	14,188	14,188	0	0.0%
7.4%	14,188	14,188	0	0.0%
8.6%	14,188	14,188	0	0.0%
9.9%	14,188	14,188	0	0.0%
11.1%	14,188	14,188	0	0.0%
12.3%	14,188	14,188	0	0.0%
13.6%	14,188	14,188	0	0.0%
14.8%	14,188	14,188	0	0.0%
16.0%	14,188	14,188	0	0.0%
17.3%	14,188	14,188	0	0.0%
18.5%	14,188	14,122	-66	-0.5%
19.8%	14,157	13,997	-161	-1.1%
21.0%	13,703	13,646	-57	-0.4%
22.2%	13,695	13,617	-78	-0.6%
23.5%	13,491	13,359	-132	-1.0%
24.7%	13,444	13,314	-130	-1.0%
25.9%	13,329	13,309	-20	-0.2%
27.2%	13,299	13,292	-7	-0.1%
28.4%	13,237	13,146	-91	-0.7%
29.6%	13,157	13,090	-67	-0.5%
30.9%	13,089	12,826	-263	-2.0%
32.1%	12,910	12,772	-138	-1.1%
33.3%	12,864	12,759	-106	-0.8%
34.6%	12,826	12,731	-96	-0.7%
35.8%	12,767	12,680	-87	-0.7%
37.0%	12,657	12,670	13	0.1%
38.3%	12,646	12,602	-44	-0.3%
39.5%	11,912	11,796	-116	-1.0%
40.7%	11,831	11,778	-53	-0.4%
42.0%	11,627	11,704	77	0.7%
43.2%	11,596	11,660	64	0.5%
44.4%	11,559	11,605	46	0.4%
45.7%	11,557	11,506	-51	-0.4%
46.9%	11,477	11,410	-67	-0.6%
48.1%	11,461	11,394	-67	-0.6%
49.4%	11,401	11,313	-88	-0.8%
50.6%	11,365	11,312	-53	-0.5%
51.9%	11,300	11,278	-22	-0.2%
53.1%	11,238	11,185	-52	-0.5%
54.3%	11,159	11,155	-4	0.0%
55.6%	11,094	11,110	16	0.1%
56.8%	10,813	10,972	159	1.5%
58.0%	10,691	10,969	278	2.6%
59.3%	10,631	10,968	337	3.2%
60.5%	10,599	10,907	308	2.9%
61.7%	10,569	10,889	320	3.0%
63.0%	10,556	10,758	202	1.9%
64.2%	10,334	10,605	270	2.6%
65.4%	10,279	10,397	118	1.1%
66.7%	9,930	10,339	408	4.1%
67.9%	9,764	10,138	374	3.8%
69.1%	9,756	10,102	346	3.5%
70.4%	9,744	10,077	333	3.4%
71.6%	9,646	9,578	-68	-0.7%
72.8%	9,637	9,503	-134	-1.4%
74.1%	9,585	9,262	-322	-3.4%
75.3%	9,390	8,931	-459	-4.9%
76.5%	9,035	8,871	-164	-1.8%
77.8%	8,859	8,782	-77	-0.9%
79.0%	8,679	8,712	32	0.4%
80.2%	8,347	8,588	241	2.9%
81.5%	8,278	8,580	302	3.6%
82.7%	8,193	8,508	315	3.8%
84.0%	8,173	8,143	-31	-0.4%
85.2%	8,152	8,031	-121	-1.5%
86.4%	7,863	7,824	-38	-0.5%
87.7%	7,470	7,150	-320	-4.3%
88.9%	7,138	7,058	-80	-1.1%
90.1%	6,514	6,345	-169	-2.6%
91.4%	6,216	6,133	-83	-1.3%
92.6%	6,207	5,868	-338	-5.5%
93.8%	5,471	5,487	15	0.3%
95.1%	5,462	5,471	9	0.2%
96.3%	5,150	5,471	322	6.2%
97.5%	4,732	5,471	739	15.6%
98.8%	4,481	5,406	925	20.6%
100.0%	3,120	3,622	502	16.1%

Table SW-04-9a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	368	360	522	655	645	575	554	3,779	2,091	923	450	450
Alternative D	373	360	498	638	621	570	561	3,779	2,091	923	450	450
Difference	5	-1	-24	-17	-24	-5	6	0	0	0	0	0
Percent Difference[3]	1.2%	-0.2%	-4.6%	-2.6%	-3.7%	-0.9%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	373	300	852	1,412	1,026	1,096	627	4,636	3,318	1,289	450	450
Alternative D	373	300	775	1,351	1,052	1,143	647	4,636	3,318	1,289	450	450
Difference	0	0	-76	-61	26	47	20	0	0	0	0	0
Percent Difference	0.0%	0.0%	-8.9%	-4.3%	2.5%	4.3%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	373	713	621	316	831	436	469	4,462	2,488	1,048	450	450
Alternative D	373	709	621	332	760	300	469	4,462	2,488	1,048	450	450
Difference	0	-5	0	16	-72	-136	0	0	0	0	0	0
Percent Difference	0.0%	-0.7%	0.0%	5.1%	-8.6%	-31.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	373	300	300	300	517	319	507	3,774	1,672	869	450	450
Alternative D	373	300	300	300	392	319	507	3,774	1,672	869	450	450
Difference	0	0	0	0	-125	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-24.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Alternative D	373	300	300	300	300	300	529	3,216	1,251	667	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	342	300	300	300	300	300	575	2,092	783	450	450	450
Alternative D	373	300	300	300	300	300	575	2,092	783	450	450	450
Difference	31	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-04-9b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

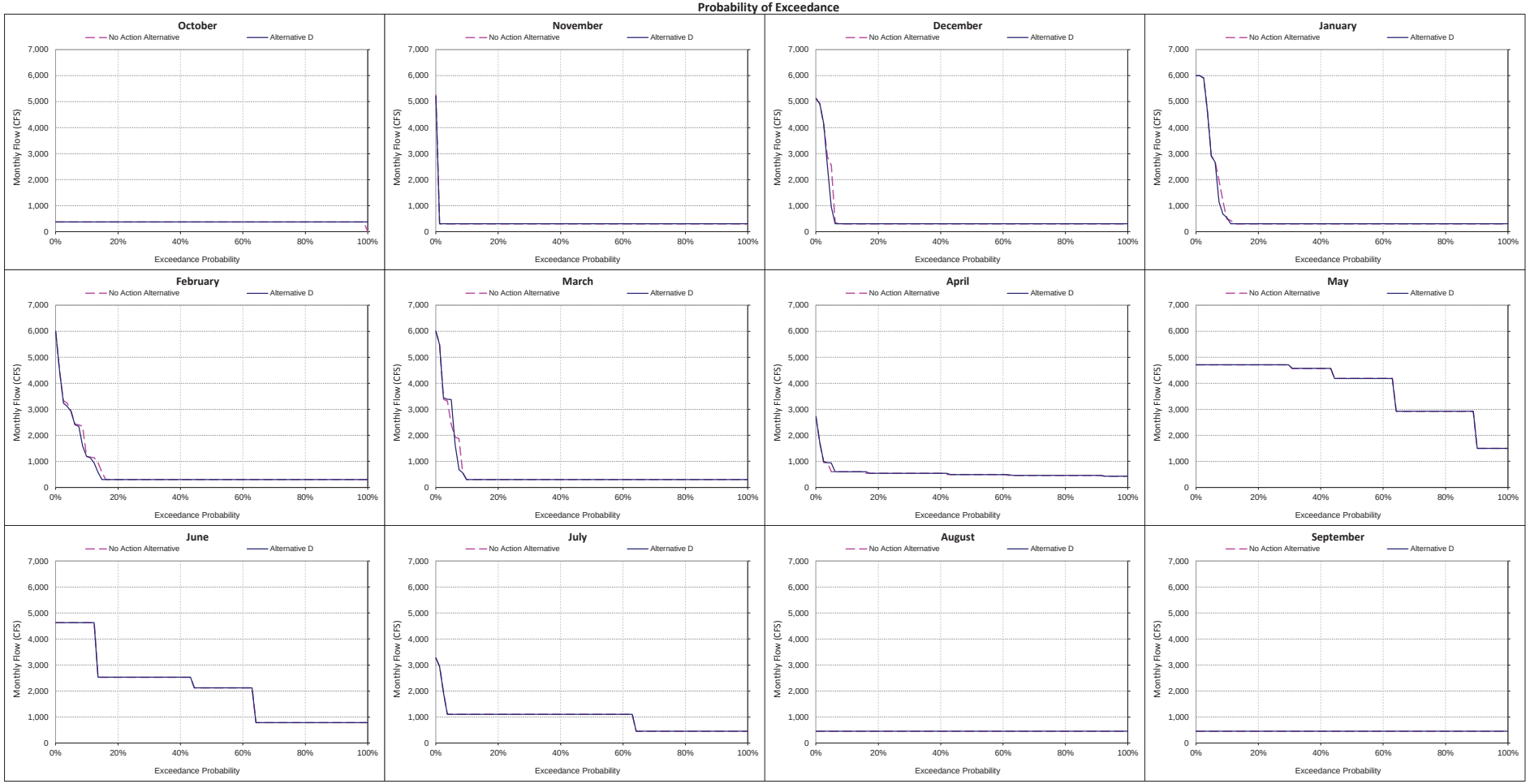

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	0	373	373	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,261	5,205	-56	-1.1%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,139	5,115	-24	-0.5%
1.2%	4,922	4,922	0	0.0%
2.5%	4,147	4,150	3	0.1%
3.7%	2,872	2,557	-315	-11.0%
4.9%	2,557	964	-1,593	-62.3%
6.2%	349	300	-49	-14.1%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,907	5,907	0	0.0%
3.7%	4,568	4,568	0	0.0%
4.9%	2,908	2,908	0	0.0%
6.2%	2,670	2,670	0	0.0%
7.4%	1,960	1,143	-817	-41.7%
8.6%	1,175	678	-497	-42.3%
9.9%	486	543	57	11.7%
11.1%	432	300	-132	-30.6%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,484	4,484	0	0.0%
2.5%	3,335	3,238	-98	-2.9%
3.7%	3,238	3,112	-126	-3.9%
4.9%	2,931	2,931	0	0.0%
6.2%	2,434	2,407	-27	-1.1%
7.4%	2,407	2,347	-61	-2.5%
8.6%	2,347	1,583	-764	-32.6%
9.9%	1,194	1,194	0	0.0%
11.1%	1,161	1,138	-22	-1.9%
12.3%	1,138	942	-197	-17.3%
13.6%	942	583	-359	-38.1%
14.8%	583	300	-283	-48.6%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	5,482	5,482	0	0.0%
2.5%	3,386	3,444	58	1.7%
3.7%	3,321	3,386	64	1.9%
4.9%	2,423	3,379	956	39.5%
6.2%	1,933	1,636	-297	-15.4%
7.4%	1,877	683	-1,194	-63.6%
8.6%	560	560	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,724	2,724	0	0.0%
1.2%	1,719	1,719	0	0.0%
2.5%	952	986	34	3.6%
3.7%	942	952	10	1.0%
4.9%	600	942	342	57.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	600	600	0	0.0%
16.0%	540	600	60	11.1%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	493	540	47	9.5%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	493	493	0	0.0%
60.5%	493	493	0	0.0%
61.7%	460	493	33	7.2%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,570	4,570	0	0.0%
32.1%	4,570	4,570	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,189	4,189	0	0.0%
45.7%	4,189	4,189	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	1,498	1,498	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-9b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,120	2,120	0	0.0%
45.7%	2,120	2,120	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,274	3,274	0	0.0%
1.2%	2,942	2,942	0	0.0%
2.5%	1,942	1,942	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

Table SW-05-9a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,033	344	257	420	95	269	389	168	551	1,812	1,926	1,666
Alternative D	900	261	269	460	155	341	373	163	576	1,862	1,957	1,675
Difference	-133	-83	12	40	61	71	-16	-5	25	50	30	9
Percent Difference[3]	-12.9%	-24.2%	4.7%	9.4%	64.2%	26.4%	-4.2%	-3.2%	4.6%	2.8%	1.6%	0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,593	481	536	430	81	344	483	278	421	1,742	1,678	2,135
Alternative D	1,571	448	585	437	118	355	493	268	439	1,765	1,882	2,142
Difference	-22	-32	49	7	36	12	10	-10	18	23	204	6
Percent Difference	-1.4%	-6.7%	9.1%	1.6%		3.4%	2.0%	-3.5%	4.3%	1.3%	12.1%	0.3%
Above Normal (15%)												
No Action Alternative	964	437	304	269	58	302	588	0	167	1,417	1,875	1,958
Alternative D	1,088	340	237	269	71	468	564	21	166	1,500	2,313	1,875
Difference	124	-98	-67	0	12	166	-24	21	-1	83	438	-83
Percent Difference	12.9%	-22.4%	-22.1%	0.0%		54.9%	-4.1%		-0.5%	5.9%	23.3%	-4.3%
Below Normal (17%)												
No Action Alternative	429	186	65	295	80	384	265	61	660	1,538	1,796	1,361
Alternative D	433	68	96	334	212	406	171	61	660	1,698	1,714	1,342
Difference	4	-118	32	39	132	22	-94	0	0	161	-82	-18
Percent Difference	1.0%	-63.5%	48.6%	13.4%		5.8%	-35.3%	0.0%	0.0%	10.5%	-4.6%	-1.4%
Dry (22%)												
No Action Alternative	884	333	100	408	166	141	222	221	905	2,100	2,322	1,468
Alternative D	676	205	81	551	265	295	252	200	978	2,147	2,119	1,420
Difference	-209	-128	-20	143	99	154	29	-22	73	47	-203	-48
Percent Difference	-23.6%	-38.4%	-19.7%	35.2%	59.9%	109.4%	13.1%	-9.8%	8.1%	2.2%	-8.7%	-3.3%
Critical (15%)												
No Action Alternative	818	156	62	715	70	135	385	147	561	2,245	2,075	1,012
Alternative D	142	84	99	710	90	174	342	143	585	2,200	1,802	1,235
Difference	-676	-72	37	-5	21	39	-43	-4	25	-45	-272	222
Percent Difference	-82.6%	-46.2%		-0.8%		28.5%	-11.2%	-2.5%	4.4%	-2.0%	-13.1%	22.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-05-9b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

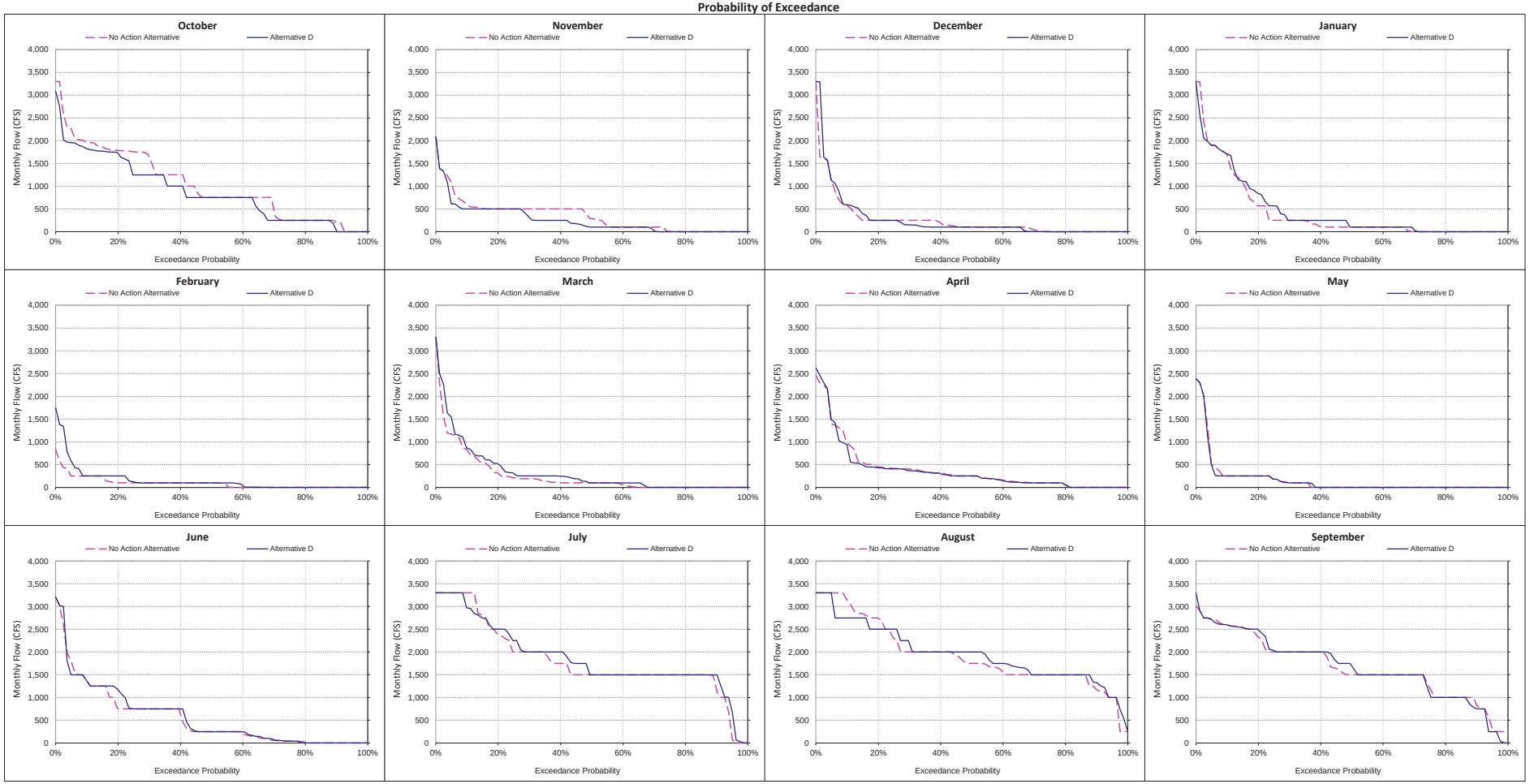

Table SW-05-9b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,083	-217	-6.6%
1.2%	3,300	2,750	-550	-16.7%
2.5%	2,591	2,019	-573	-22.1%
3.7%	2,286	1,969	-317	-13.9%
4.9%	2,264	1,956	-308	-13.6%
6.2%	2,044	1,950	-93	-4.6%
7.4%	2,019	1,897	-122	-6.1%
8.6%	2,010	1,870	-141	-7.0%
9.9%	1,969	1,825	-144	-7.3%
11.1%	1,956	1,803	-153	-7.8%
12.3%	1,950	1,787	-164	-8.4%
13.6%	1,870	1,772	-97	-5.2%
14.8%	1,869	1,770	-98	-5.3%
16.0%	1,825	1,758	-67	-3.7%
17.3%	1,803	1,749	-54	-3.0%
18.5%	1,787	1,747	-40	-2.2%
19.8%	1,787	1,744	-43	-2.4%
21.0%	1,781	1,631	-149	-8.4%
22.2%	1,772	1,596	-177	-10.0%
23.5%	1,770	1,557	-213	-12.1%
24.7%	1,758	1,250	-508	-28.9%
25.9%	1,749	1,250	-499	-28.5%
27.2%	1,747	1,250	-497	-28.4%
28.4%	1,744	1,250	-494	-28.3%
29.6%	1,698	1,250	-448	-26.4%
30.9%	1,494	1,250	-244	-16.3%
32.1%	1,250	1,250	0	0.0%
33.3%	1,250	1,250	0	0.0%
34.6%	1,250	1,250	0	0.0%
35.8%	1,250	1,000	-250	-20.0%
37.0%	1,250	1,000	-250	-20.0%
38.3%	1,250	1,000	-250	-20.0%
39.5%	1,250	1,000	-250	-20.0%
40.7%	1,250	1,000	-250	-20.0%
42.0%	1,000	750	-250	-25.0%
43.2%	1,000	750	-250	-25.0%
44.4%	1,000	750	-250	-25.0%
45.7%	829	750	-79	-9.6%
46.9%	750	750	0	0.0%
48.1%	750	750	0	0.0%
49.4%	750	750	0	0.0%
50.6%	750	750	0	0.0%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	750	0	0.0%
61.7%	750	750	0	0.0%
63.0%	750	750	0	0.0%
64.2%	750	558	-192	-25.6%
65.4%	750	456	-294	-39.2%
66.7%	750	396	-354	-47.3%
67.9%	750	250	-500	-66.7%
69.1%	750	250	-500	-66.7%
70.4%	334	250	-84	-25.1%
71.6%	272	250	-22	-8.1%
72.8%	250	250	0	0.0%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	186	-64	-25.7%
90.1%	202	0	-202	-100.0%
91.4%	190	0	-190	-100.0%
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,082	2,082	0	0.0%
1.2%	1,389	1,389	0	0.0%
2.5%	1,326	1,326	0	0.0%
3.7%	1,228	1,086	-142	-11.5%
4.9%	1,086	608	-479	-44.1%
6.2%	793	606	-186	-23.5%
7.4%	723	539	-184	-25.4%
8.6%	674	500	-174	-25.8%
9.9%	606	500	-106	-17.5%
11.1%	543	500	-43	-7.9%
12.3%	539	500	-39	-7.2%
13.6%	534	500	-34	-6.4%
14.8%	516	500	-16	-3.1%
16.0%	500	500	0	0.0%
17.3%	500	500	0	0.0%
18.5%	500	500	0	0.0%
19.8%	500	500	0	0.0%
21.0%	500	500	0	0.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	499	-1	-0.2%
28.4%	500	418	-82	-16.3%
29.6%	500	342	-158	-31.5%
30.9%	500	254	-246	-49.3%
32.1%	500	250	-250	-50.0%
33.3%	500	250	-250	-50.0%
34.6%	500	250	-250	-50.0%
35.8%	500	250	-250	-50.0%
37.0%	500	250	-250	-50.0%
38.3%	500	250	-250	-50.0%
39.5%	500	250	-250	-50.0%
40.7%	500	250	-250	-50.0%
42.0%	500	250	-250	-50.0%
43.2%	500	188	-312	-62.3%
44.4%	500	182	-318	-63.6%
45.7%	500	171	-329	-65.8%
46.9%	499	147	-353	-70.6%
48.1%	398	117	-281	-70.6%
49.4%	290	100	-190	-65.5%
50.6%	279	100	-179	-64.2%
51.9%	254	100	-154	-60.6%
53.1%	250	100	-150	-60.0%
54.3%	166	100	-66	-39.8%
55.6%	106	100	-6	-5.3%
56.8%	105	100	-5	-4.7%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	70	-30	-29.9%
70.4%	100	1	-99	-99.3%
71.6%	100	0	-100	-100.0%
72.8%	100	0	-100	-100.0%
74.1%	10	0	-10	
75.3%	5	0	-5	
76.5%	5	0	-5	
77.8%	1	0	-1	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	1,642	3,291	1,649	100.4%
2.5%	1,605	1,642	36	2.3%
3.7%	1,571	1,571	0	0.0%
4.9%	1,127	1,127	0	0.0%
6.2%	877	1,059	182	20.8%
7.4%	697	877	180	25.9%
8.6%	601	601	0	0.0%
9.9%	588	588	0	0.0%
11.1%	514	579	65	12.6%
12.3%	404	545	142	35.1%
13.6%	336	514	178	52.9%
14.8%	250	404	154	61.5%
16.0%	250	357	107	42.8%
17.3%	250	256	6	2.4%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	206	-44	-17.7%
28.4%	250	153	-97	-38.9%
29.6%	250	150	-100	-40.0%
30.9%	250	148	-102	-40.9%
32.1%	250	146	-104	-41.5%
33.3%	250	121	-129	-51.6%
34.6%	250	108	-142	-56.8%
35.8%	250	103	-147	-58.6%
37.0%	250	103	-147	-58.9%
38.3%	250	102	-148	-59.1%
39.5%	213	102	-111	-52.0%
40.7%	157	101	-56	-35.5%
42.0%	146	100	-46	-31.3%
43.2%	135	100	-35	-26.0%
44.4%	121	100	-21	-17.4%
45.7%	103	100	-3	-2.7%
46.9%	103	100	-3	-2.5%
48.1%	102	100	-2	-2.2%
49.4%	102	100	-2	-2.1%
50.6%	101	100	-1	-1.1%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	29	-71	-71.4%
67.9%	100	2	-98	-97.7%
69.1%	59	2	-57	-96.3%
70.4%	34	0	-34	-100.0%
71.6%	6	0	-6	
72.8%	3	0	-3	
74.1%	2	0	-2	
75.3%	2	0	-2	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,295	2,565	-730	-22.2%
2.5%	2,429	2,054	-375	-15.5%
3.7%	1,985	1,985	0	0.0%
4.9%	1,904	1,898	-6	-0.3%
6.2%	1,898	1,893	-6	-0.3%
7.4%	1,814	1,814	0	0.0%
8.6%	1,761	1,761	0	0.0%
9.9%	1,708	1,708	0	0.0%
11.1%	1,398	1,675	277	19.8%
12.3%	1,239	1,336	97	7.8%
13.6%	1,196	1,139	-57	-4.8%
14.8%	1,100	1,112	12	1.1%
16.0%	945	1,100	155	16.4%
17.3%	717	945	228	31.8%
18.5%	658	911	253	38.4%
19.8%	566	849	283	49.9%
21.0%	566	816	250	44.1%
22.2%	565	660	95	16.8%
23.5%	250	566	316	126.5%
24.7%	250	566	316	126.4%
25.9%	250	565	315	126.0%
27.2%	250	399	149	59.5%
28.4%	250	371	121	48.6%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	230	250	20	8.9%
37.0%	169	250	81	47.9%
38.3%	168	250	82	48.6%
39.5%	123	250	127	103.2%
40.7%	103	250	147	142.3%
42.0%	103	250	147	143.3%
43.2%	103	250	147	143.6%
44.4%	100	250	150	150.0%
45.7%	100	250	150	150.0%
46.9%	100	250	150	150.0%
48.1%	100	250	150	150.0%
49.4%	100	103	3	2.8%
50.6%	100	103	3	2.6%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	15	100	85	
69.1%	0	100	100	
70.4%	0	15	15	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-9b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	834	1,753	919	110.2%
1.2%	584	1,380	796	136.4%
2.5%	436	1,340	905	207.7%
3.7%	412	781	369	89.7%
4.9%	250	584	334	133.6%
6.2%	250	436	186	74.2%
7.4%	250	412	162	64.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	144	250	106	73.9%
17.3%	126	250	124	98.2%
18.5%	107	250	143	133.5%
19.8%	100	250	150	150.0%
21.0%	100	250	150	150.0%
22.2%	100	250	150	150.0%
23.5%	100	144	44	43.7%
24.7%	100	126	26	26.1%
25.9%	100	107	7	7.1%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	87	100	13	15.5%
54.3%	74	100	26	35.6%
55.6%	3	100	97	
56.8%	0	100	100	
58.0%	0	87	87	
59.3%	0	74	74	
60.5%	0	5	5	
61.7%	0	4	4	
63.0%	0	3	3	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	2,264	2,499	235	10.4%
2.5%	1,548	2,264	716	46.2%
3.7%	1,195	1,633	438	36.7%
4.9%	1,166	1,548	382	32.8%
6.2%	1,147	1,166	19	1.7%
7.4%	1,110	1,147	37	3.4%
8.6%	867	1,110	243	28.0%
9.9%	834	867	33	4.0%
11.1%	712	834	122	17.1%
12.3%	688	712	23	3.4%
13.6%	597	688	91	15.3%
14.8%	529	688	160	30.2%
16.0%	527	603	76	14.5%
17.3%	451	597	146	32.4%
18.5%	325	529	204	62.7%
19.8%	321	524	202	63.0%
21.0%	250	451	201	80.4%
22.2%	238	342	104	43.7%
23.5%	237	325	88	37.0%
24.7%	210	321	112	53.2%
25.9%	206	256	50	24.4%
27.2%	191	250	59	30.8%
28.4%	189	250	61	32.0%
29.6%	189	250	61	32.1%
30.9%	187	250	63	33.4%
32.1%	186	250	64	34.1%
33.3%	164	250	86	52.4%
34.6%	135	250	115	84.6%
35.8%	135	250	115	85.8%
37.0%	112	250	138	124.1%
38.3%	111	250	139	125.8%
39.5%	100	250	150	150.0%
40.7%	100	238	138	138.2%
42.0%	100	237	137	137.2%
43.2%	100	210	110	109.9%
44.4%	100	189	89	89.4%
45.7%	100	187	87	87.5%
46.9%	100	135	35	35.4%
48.1%	100	135	35	34.5%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	71	100	29	41.0%
60.5%	49	100	51	103.0%
61.7%	30	100	70	229.8%
63.0%	13	100	87	
64.2%	10	100	90	
65.4%	0	100	100	
66.7%	0	49	49	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,460	2,624	164	6.7%
1.2%	2,297	2,460	162	7.1%
2.5%	2,240	2,297	57	2.5%
3.7%	2,166	2,166	0	0.0%
4.9%	1,390	1,495	105	7.5%
6.2%	1,367	1,415	48	3.5%
7.4%	1,308	1,025	-283	-21.7%
8.6%	1,258	979	-279	-22.2%
9.9%	979	941	-38	-3.9%
11.1%	906	555	-351	-38.8%
12.3%	832	537	-295	-35.5%
13.6%	556	530	-26	-4.7%
14.8%	555	499	-56	-10.1%
16.0%	505	453	-52	-10.3%
17.3%	505	444	-60	-11.9%
18.5%	499	443	-56	-11.2%
19.8%	453	428	-25	-5.4%
21.0%	444	426	-19	-4.2%
22.2%	428	413	-15	-3.6%
23.5%	426	408	-18	-4.3%
24.7%	418	403	-14	-3.4%
25.9%	413	403	-10	-2.4%
27.2%	408	403	-5	-1.1%
28.4%	403	393	-10	-2.6%
29.6%	403	365	-38	-9.4%
30.9%	393	363	-30	-7.6%
32.1%	390	360	-30	-7.7%
33.3%	365	350	-15	-4.1%
34.6%	350	331	-19	-5.5%
35.8%	331	329	-1	-0.4%
37.0%	329	314	-15	-4.7%
38.3%	314	313	-1	-0.3%
39.5%	313	312	-1	-0.3%
40.7%	312	281	-31	-10.0%
42.0%	281	277	-4	-1.3%
43.2%	277	250	-27	-9.8%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	247	-3	-1.1%
53.1%	201	201	0	0.0%
54.3%	200	200	0	0.0%
55.6%	189	195	7	3.5%
56.8%	177	189	12	6.7%
58.0%	170	177	7	4.1%
59.3%	170	157	-13	-7.7%
60.5%	152	139	-13	-8.6%
61.7%	139	122	-17	-12.4%
63.0%	133	115	-19	-14.0%
64.2%	122	112	-9	-7.7%
65.4%	115	110	-5	-4.2%
66.7%	112	100	-12	-10.8%
67.9%	110	100	-10	-9.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	79	100	21	26.4%
80.2%	47	47	0	0.0%
81.5%	0	2	2	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,388	2,388	0	0.0%
1.2%	2,302	2,302	0	0.0%
2.5%	2,012	2,012	0	0.0%
3.7%	1,332	1,119	-213	-16.0%
4.9%	513	517	4	0.7%
6.2%	437	261	-176	-40.3%
7.4%	366	250	-116	-31.7%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	181	181	0	0.0%
25.9%	177	177	0	0.0%
27.2%	133	123	-10	-7.5%
28.4%	123	108	-16	-12.8%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	0	89	89	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-9b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,203	3,203	0	0.0%
1.2%	3,023	3,023	0	0.0%
2.5%	2,612	3,000	389	14.9%
3.7%	1,978	1,807	-171	-8.6%
4.9%	1,806	1,500	-306	-17.0%
6.2%	1,545	1,500	-45	-2.9%
7.4%	1,500	1,500	0	0.0%
8.6%	1,500	1,500	0	0.0%
9.9%	1,374	1,374	0	0.0%
11.1%	1,250	1,250	0	0.0%
12.3%	1,250	1,250	0	0.0%
13.6%	1,250	1,250	0	0.0%
14.8%	1,250	1,250	0	0.0%
16.0%	1,250	1,250	0	0.0%
17.3%	1,000	1,250	250	25.0%
18.5%	1,000	1,250	250	25.0%
19.8%	758	1,187	429	56.6%
21.0%	750	1,089	339	45.2%
22.2%	750	1,000	250	33.3%
23.5%	750	766	16	2.1%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	750	0	0.0%
30.9%	750	750	0	0.0%
32.1%	750	750	0	0.0%
33.3%	750	750	0	0.0%
34.6%	750	750	0	0.0%
35.8%	750	750	0	0.0%
37.0%	750	750	0	0.0%
38.3%	750	750	0	0.0%
39.5%	750	750	0	0.0%
40.7%	464	750	286	61.8%
42.0%	321	464	143	44.6%
43.2%	270	321	51	19.0%
44.4%	250	270	20	7.8%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	250	0	0.0%
59.3%	245	250	5	2.2%
60.5%	182	245	62	34.1%
61.7%	167	182	16	9.3%
63.0%	147	167	19	13.2%
64.2%	143	147	4	2.9%
65.4%	107	143	37	34.4%
66.7%	106	107	1	0.7%
67.9%	93	106	13	14.2%
69.1%	59	93	33	56.1%
70.4%	57	59	2	4.0%
71.6%	47	57	11	22.7%
72.8%	43	47	4	9.3%
74.1%	42	43	1	2.3%
75.3%	41	41	0	0.0%
76.5%	36	40	4	11.5%
77.8%	35	35	0	0.0%
79.0%	34	0	-34	-100.0%
80.2%	8	0	-8	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,300	0	0.0%
9.9%	3,300	2,968	-332	-10.1%
11.1%	3,300	2,958	-342	-10.4%
12.3%	3,300	2,846	-454	-13.8%
13.6%	2,846	2,808	-38	-1.3%
14.8%	2,808	2,750	-58	-2.1%
16.0%	2,750	2,736	-14	-0.5%
17.3%	2,500	2,585	85	3.4%
18.5%	2,500	2,500	0	0.0%
19.8%	2,400	2,500	100	4.2%
21.0%	2,359	2,500	141	6.0%
22.2%	2,296	2,500	204	8.9%
23.5%	2,250	2,400	150	6.7%
24.7%	2,000	2,250	250	12.5%
25.9%	2,000	2,250	250	12.5%
27.2%	2,000	2,050	50	2.5%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	1,896	2,000	104	5.5%
37.0%	1,770	2,000	230	13.0%
38.3%	1,750	2,000	250	14.3%
39.5%	1,750	2,000	250	14.3%
40.7%	1,750	2,000	250	14.3%
42.0%	1,750	1,896	146	8.4%
43.2%	1,500	1,770	270	18.0%
44.4%	1,500	1,750	250	16.7%
45.7%	1,500	1,750	250	16.7%
46.9%	1,500	1,750	250	16.7%
48.1%	1,500	1,750	250	16.7%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,481	1,500	19	1.3%
90.1%	1,125	1,500	375	33.4%
91.4%	1,000	1,250	250	25.0%
92.6%	1,000	1,011	11	1.1%
93.8%	692	1,000	308	44.5%
95.1%	66	684	618	
96.3%	29	66	37	
97.5%	0	29	29	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	2,750	-550	-16.7%
7.4%	3,300	2,750	-550	-16.7%
8.6%	3,300	2,750	-550	-16.7%
9.9%	3,157	2,750	-407	-12.9%
11.1%	3,047	2,750	-297	-9.7%
12.3%	2,894	2,750	-144	-5.0%
13.6%	2,851	2,750	-101	-3.5%
14.8%	2,848	2,750	-98	-3.4%
16.0%	2,806	2,750	-56	-2.0%
17.3%	2,750	2,500	-250	-9.1%
18.5%	2,750	2,500	-250	-9.1%
19.8%	2,750	2,500	-250	-9.1%
21.0%	2,702	2,500	-202	-7.5%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,315	2,500	185	8.0%
25.9%	2,250	2,500	250	11.1%
27.2%	2,008	2,250	242	12.0%
28.4%	2,000	2,250	250	12.5%
29.6%	2,000	2,250	250	12.5%
30.9%	2,000	2,008	8	0.4%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	1,949	2,000	51	2.6%
45.7%	1,901	2,000	99	5.2%
46.9%	1,821	2,000	179	9.8%
48.1%	1,752	2,000	248	14.2%
49.4%	1,750	2,000	250	14.3%
50.6%	1,750	2,000	250	14.3%
51.9%	1,750	2,000	250	14.3%
53.1%	1,750	2,000	250	14.3%
54.3%	1,734	1,949	215	12.4%
55.6%	1,676	1,821	145	8.6%
56.8%	1,673	1,752	79	4.7%
58.0%	1,656	1,750	94	5.7%
59.3%	1,613	1,750	137	8.5%
60.5%	1,500	1,750	250	16.7%
61.7%	1,500	1,734	234	15.6%
63.0%	1,500	1,692	192	12.8%
64.2%	1,500	1,676	176	11.7%
65.4%	1,500	1,656	156	10.4%
66.7%	1,500	1,654	154	10.3%
67.9%	1,500	1,613	113	7.6%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,250	1,500	250	20.0%
88.9%	1,250	1,338	88	7.0%
90.1%	1,161	1,324	164	14.1%
91.4%	1,129	1,250	121	10.7%
92.6%	1,118	1,216	99	8.8%
93.8%	1,000	1,000	0	0.0%
95.1%	1,000	1,000	0	0.0%
96.3%	1,000	1,000	0	0.0%
97.5%	254	736	482	189.9%
98.8%	250	528	278	111.1%
100.0%	250	250	0	0.0%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,016	3,300	284	9.4%
1.2%	2,907	2,907	0	0.0%
2.5%	2,750	2,750	0	0.0%
3.7%	2,750	2,750	0	0.0%
4.9%	2,725	2,715	-10	-0.4%
6.2%	2,715	2,647	-68	-2.5%
7.4%	2,647	2,611	-36	-1.4%
8.6%	2,606	2,606	0	0.0%
9.9%	2,599	2,599	0	0.0%
11.1%	2,570	2,570	0	0.0%
12.3%	2,566	2,566	0	0.0%
13.6%	2,550	2,550	0	0.0%
14.8%	2,541	2,541	0	0.0%
16.0%	2,514	2,514	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,445	2,500	55	2.2%
19.8%	2,342	2,500	158	6.7%
21.0%	2,281	2,422	141	6.2%
22.2%	2,061	2,341	281	13.6%
23.5%	2,000	2,065	65	3.3%
24.7%	2,000	2,037	37	1.9%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	1,895	2,000	105	5.5%
43.2%	1,673	1,964	291	17.4%
44.4%	1,649	1,830	181	11.0%
45.7%	1,619	1,750	131	8.1%
46.9%	1,548	1,750	202	13.0%
48.1%	1,500	1,750	250	16.7%
49.4%	1,500	1,750	250	16.7%
50.6%	1,500	1,629	129	8.6%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,320	1,238	-82	-6.2%
75.3%	1,163	1,000	-163	-14.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	862	-138	-13.8%
88.9%	1,000	786	-214	-21.4%
90.1%	816	750	-66	-8.1%
91.4%	750	750	0	0.0%
92.6%	750	750	0	0.0%
93.8%	570	250	-320	-56.2%
95.1%	301	250	-51	-16.9%
96.3%	250	250	0	0.0%
97.5%	250	42	-208	-83.2%
98.8%	250	0	-250	-100.0%
100.0%	250	0	-250	-100.0%

Table SW-06-9a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	185	187	189	197	197	192	191	265	181	85	86	148
Alternative D	187	187	189	197	197	191	191	265	181	108	85	148
Difference	2	0	0	0	0	-1	0	0	0	23	-1	0
Percent Difference[3]	1.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%	0.0%	0.0%	26.7%	-1.6%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	200	200	200	220	220	200	200	277	200	85	85	150
Alternative D	200	200	200	220	220	200	200	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	200	200	200	192	196	205	196	277	200	85	85	150
Alternative D	200	200	200	192	196	196	196	277	200	143	85	150
Difference	0	0	0	0	0	-9	0	0	0	58	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.0%	0.0%	-4.6%	0.0%	0.0%	0.0%	68.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	193	193	193	189	189	189	189	269	186	85	85	150
Alternative D	193	193	193	189	189	189	189	269	186	161	85	150
Difference	0	0	0	0	0	0	0	0	0	76	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	89.5%	0.0%	0.0%
Dry (22%)												
No Action Alternative	181	182	182	192	192	192	192	264	180	85	85	150
Alternative D	181	182	182	192	192	192	192	264	180	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	133	149	163	168	168	168	168	224	120	85	94	133
Alternative D	146	149	163	168	168	168	168	224	120	94	85	133
Difference	12	0	0	0	0	0	0	0	0	9	-9	0
Percent Difference	9.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.2%	-9.9%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

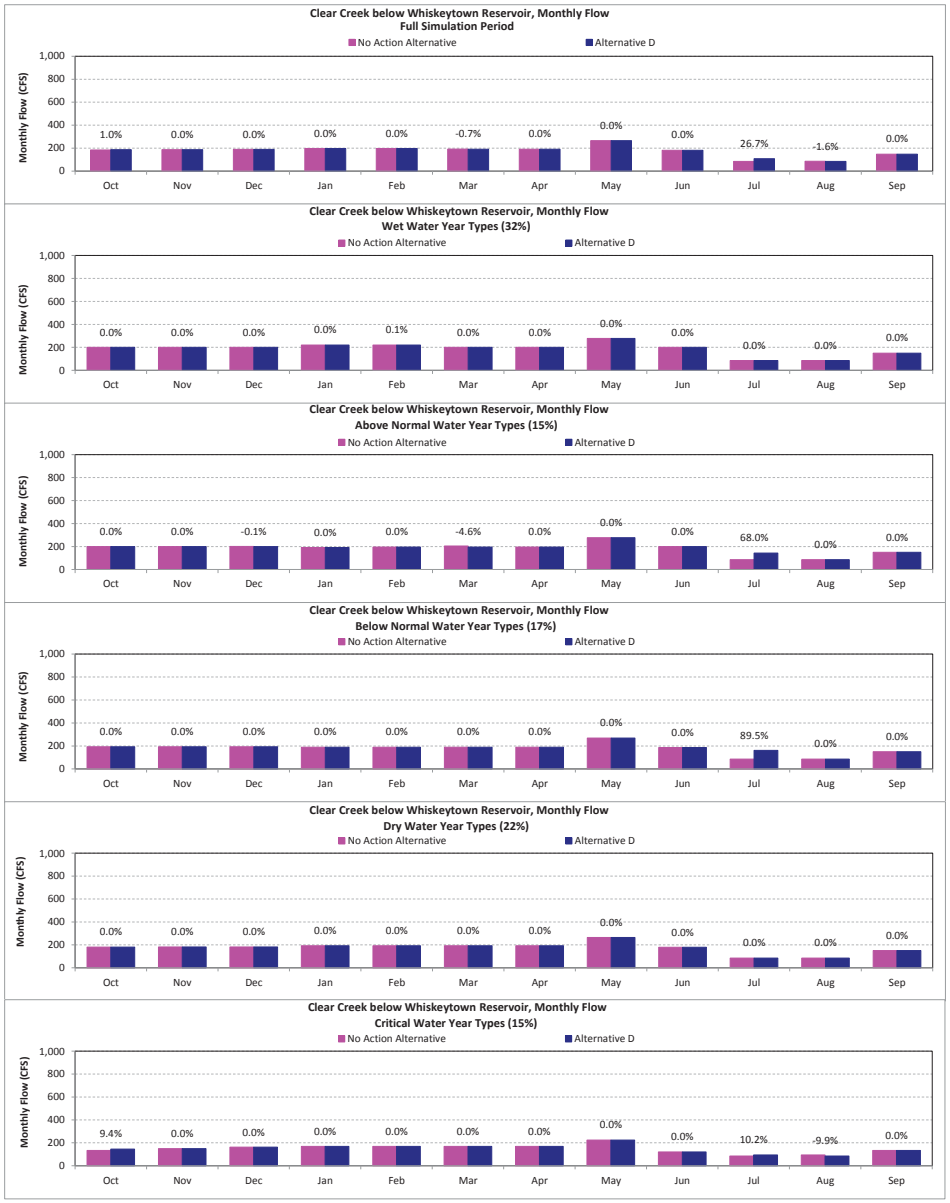

Figure SW-06-9b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

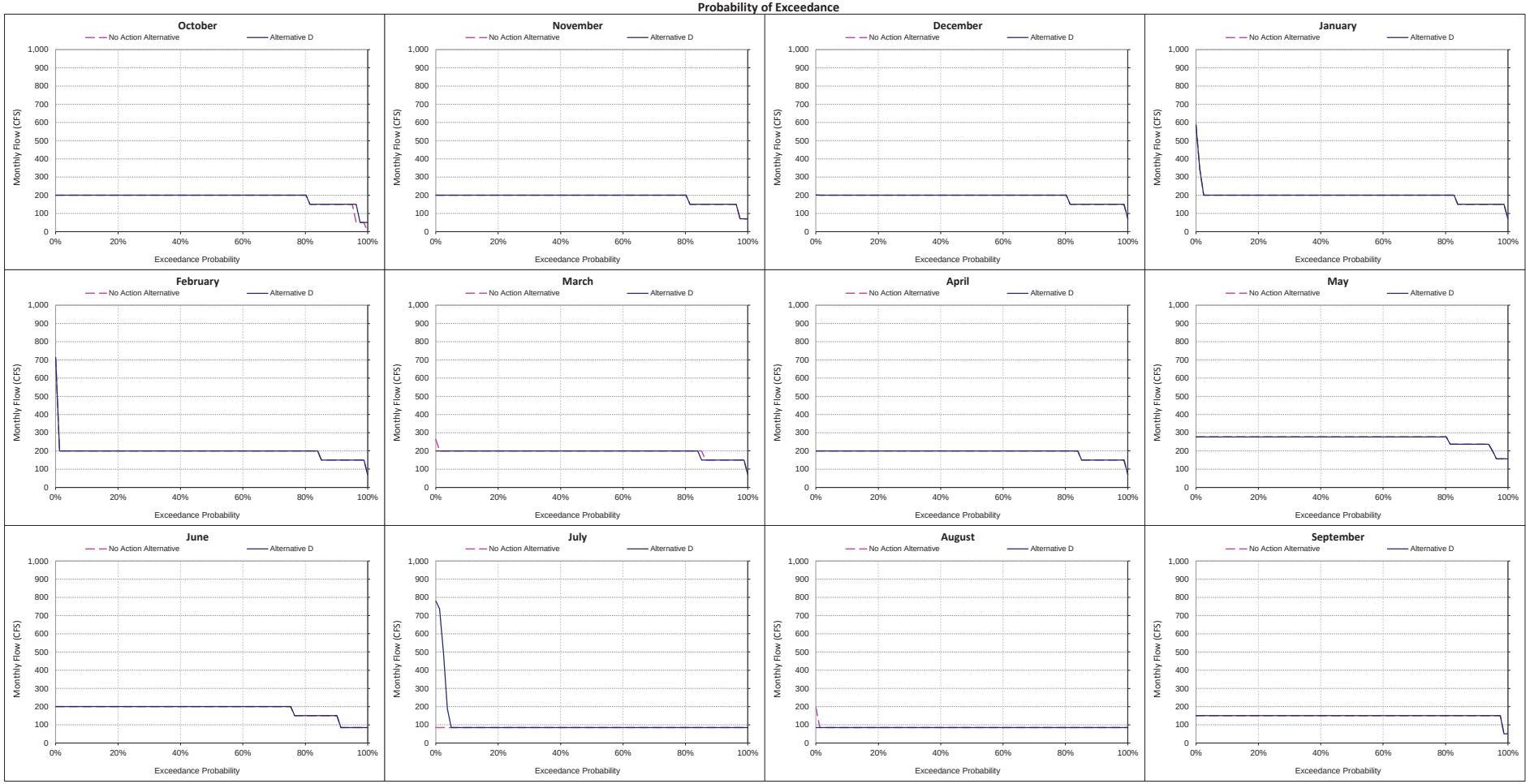

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	50	150	100	200.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	0	50	50	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	70	70	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	203	200	-3	-1.4%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	588	588	0	0.0%
1.2%	344	344	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	710	714	5	0.6%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	263	200	-63	-23.9%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	200	150	-50	-25.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	70	70	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-9b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	779	694	816.5%
1.2%	85	737	652	767.6%
2.5%	85	498	413	485.6%
3.7%	85	189	104	122.5%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	197	85	-112	-56.8%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Table SW-07-9a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	2,557	2,547	2,712	2,983	3,261	3,616	3,913	3,944	3,634	3,148	2,813	2,630
Alternative D	2,680	2,660	2,775	3,022	3,268	3,640	3,943	3,982	3,713	3,248	2,930	2,762
Difference	123	114	63	39	7	24	30	38	79	99	117	132
Percent Difference[3]	4.8%	4.5%	2.3%	1.3%	0.2%	0.7%	0.8%	1.0%	2.2%	3.2%	4.2%	5.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	3,052	2,943	3,098	3,416	3,641	3,860	4,316	4,473	4,288	3,866	3,519	3,136
Alternative D	3,105	3,024	3,110	3,421	3,622	3,857	4,315	4,469	4,286	3,886	3,564	3,212
Difference	53	80	12	5	-19	-3	-1	-4	-3	20	46	76
Percent Difference	1.7%	2.7%	0.4%	0.1%	-0.5%	-0.1%	0.0%	-0.1%	-0.1%	0.5%	1.3%	2.4%
Above Normal (15%)												
No Action Alternative	2,952	2,886	3,058	3,124	3,406	3,955	4,400	4,477	4,118	3,544	3,200	3,036
Alternative D	3,071	2,975	3,072	3,157	3,382	3,947	4,384	4,457	4,152	3,595	3,311	3,167
Difference	119	89	15	33	-24	-8	-16	-20	35	51	111	132
Percent Difference	4.0%	3.1%	0.5%	1.1%	-0.7%	-0.2%	-0.4%	-0.4%	0.8%	1.4%	3.5%	4.3%
Below Normal (17%)												
No Action Alternative	2,846	2,924	3,010	2,945	3,303	3,697	4,069	4,096	3,762	3,253	2,918	2,861
Alternative D	2,918	2,959	2,996	2,982	3,305	3,711	4,077	4,109	3,826	3,321	3,013	2,954
Difference	71	35	-14	37	1	14	7	13	64	68	96	93
Percent Difference	2.5%	1.2%	-0.5%	1.3%	0.0%	0.4%	0.2%	0.3%	1.7%	2.1%	3.3%	3.3%
Dry (22%)												
No Action Alternative	2,323	2,412	2,666	2,827	3,189	3,665	3,810	3,725	3,339	2,829	2,486	2,413
Alternative D	2,542	2,598	2,800	2,862	3,187	3,691	3,848	3,770	3,471	2,993	2,666	2,601
Difference	219	186	135	34	-2	26	38	45	132	163	181	188
Percent Difference	9.4%	7.7%	5.1%	1.2%	-0.1%	0.7%	1.0%	1.2%	3.9%	5.8%	7.3%	7.8%
Critical (15%)												
No Action Alternative	1,105	1,111	1,254	2,180	2,349	2,578	2,524	2,416	2,024	1,554	1,266	1,187
Alternative D	1,300	1,305	1,454	2,307	2,465	2,702	2,684	2,622	2,263	1,813	1,473	1,400
Difference	195	194	201	127	116	124	160	206	238	259	207	213
Percent Difference	17.6%	17.4%	16.0%	5.8%	4.9%	4.8%	6.3%	8.5%	11.8%	16.7%	16.3%	18.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

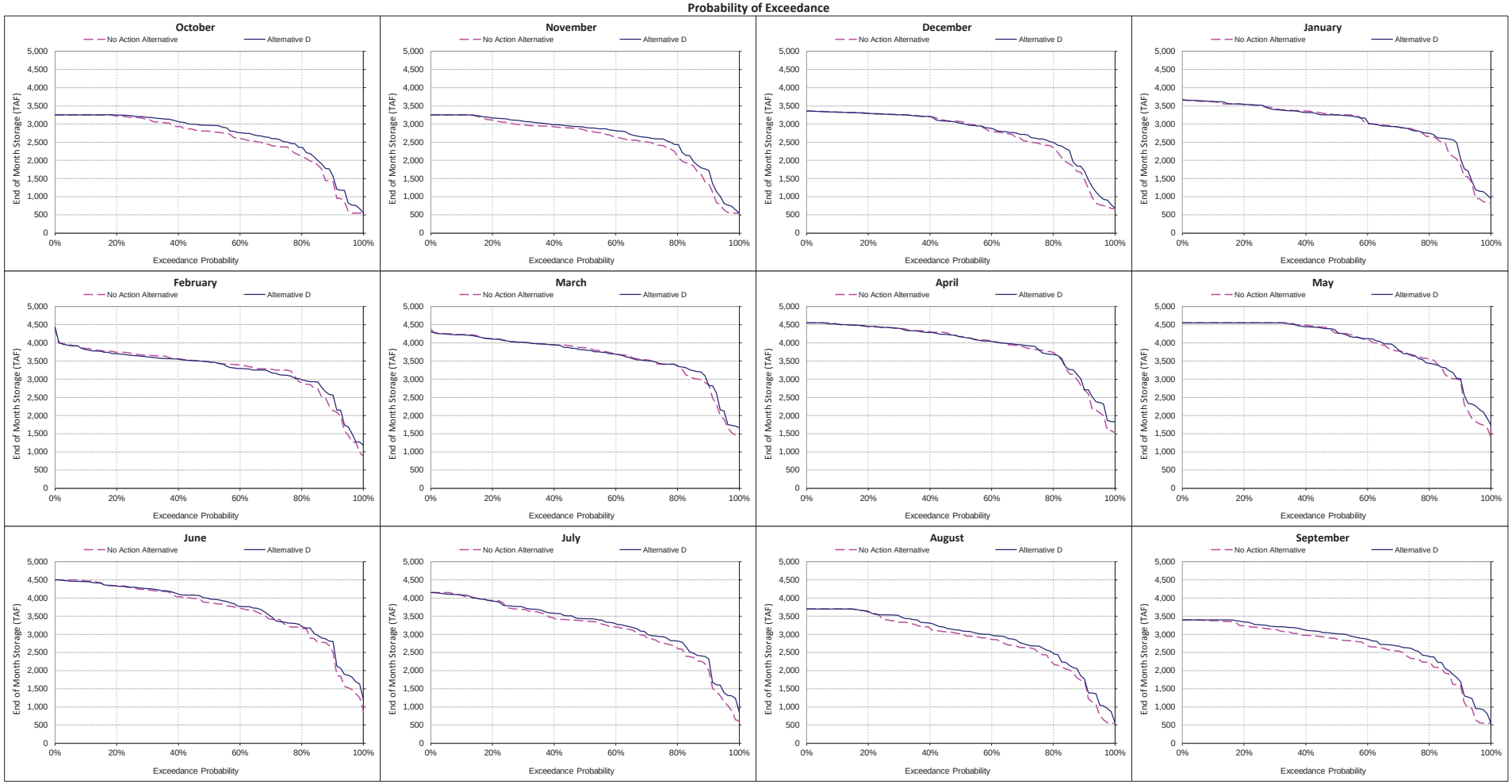

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,250	0	0.0%
8.6%	3,250	3,250	0	0.0%
9.9%	3,250	3,250	0	0.0%
11.1%	3,250	3,250	0	0.0%
12.3%	3,250	3,250	0	0.0%
13.6%	3,250	3,250	0	0.0%
14.8%	3,250	3,250	0	0.0%
16.0%	3,250	3,250	0	0.0%
17.3%	3,250	3,250	0	0.0%
18.5%	3,250	3,250	0	0.0%
19.8%	3,217	3,250	33	1.0%
21.0%	3,210	3,246	36	1.1%
22.2%	3,209	3,240	32	1.0%
23.5%	3,198	3,237	39	1.2%
24.7%	3,186	3,229	43	1.4%
25.9%	3,184	3,209	25	0.8%
27.2%	3,173	3,204	31	1.0%
28.4%	3,160	3,201	41	1.3%
29.6%	3,121	3,185	64	2.0%
30.9%	3,110	3,184	74	2.4%
32.1%	3,061	3,171	110	3.6%
33.3%	3,055	3,153	98	3.2%
34.6%	3,048	3,149	102	3.3%
35.8%	3,033	3,133	100	3.3%
37.0%	3,029	3,132	103	3.4%
38.3%	2,946	3,108	161	5.5%
39.5%	2,931	3,076	145	4.9%
40.7%	2,931	3,051	120	4.1%
42.0%	2,871	3,046	175	6.1%
43.2%	2,866	2,999	132	4.6%
44.4%	2,863	2,996	133	4.6%
45.7%	2,825	2,993	169	6.0%
46.9%	2,812	2,972	160	5.7%
48.1%	2,804	2,970	166	5.9%
49.4%	2,804	2,965	161	5.8%
50.6%	2,796	2,960	165	5.9%
51.9%	2,775	2,957	182	6.6%
53.1%	2,769	2,956	187	6.7%
54.3%	2,758	2,910	151	5.5%
55.6%	2,758	2,895	137	5.0%
56.8%	2,709	2,805	96	3.5%
58.0%	2,622	2,798	176	6.7%
59.3%	2,610	2,767	157	6.0%
60.5%	2,598	2,757	158	6.1%
61.7%	2,569	2,746	176	6.9%
63.0%	2,540	2,745	205	8.1%
64.2%	2,537	2,709	172	6.8%
65.4%	2,515	2,677	163	6.5%
66.7%	2,502	2,674	171	6.8%
67.9%	2,450	2,645	195	8.0%
69.1%	2,443	2,637	194	7.9%
70.4%	2,400	2,596	197	8.2%
71.6%	2,395	2,594	199	8.3%
72.8%	2,373	2,566	194	8.2%
74.1%	2,372	2,511	139	5.8%
75.3%	2,365	2,504	139	5.9%
76.5%	2,268	2,462	194	8.5%
77.8%	2,200	2,456	256	11.6%
79.0%	2,147	2,360	213	9.9%
80.2%	2,108	2,351	243	11.5%
81.5%	2,045	2,211	166	8.1%
82.7%	1,983	2,188	205	10.4%
84.0%	1,960	2,104	144	7.4%
85.2%	1,870	1,997	126	6.8%
86.4%	1,758	1,907	149	8.5%
87.7%	1,448	1,779	331	22.9%
88.9%	1,437	1,769	332	23.1%
90.1%	1,410	1,565	155	11.0%
91.4%	953	1,199	246	25.8%
92.6%	947	1,181	235	24.8%
93.8%	867	1,174	306	35.3%
95.1%	591	823	232	39.2%
96.3%	550	767	217	39.4%
97.5%	550	759	209	37.9%
98.8%	550	672	122	22.2%
100.0%	550	550	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,252	3,252	0	0.0%
9.9%	3,252	3,252	0	0.0%
11.1%	3,252	3,252	0	0.0%
12.3%	3,252	3,250	-2	0.0%
13.6%	3,252	3,241	-11	-0.3%
14.8%	3,214	3,240	27	0.8%
16.0%	3,194	3,215	22	0.7%
17.3%	3,153	3,200	47	1.5%
18.5%	3,122	3,188	66	2.1%
19.8%	3,110	3,172	62	2.0%
21.0%	3,101	3,163	62	2.0%
22.2%	3,061	3,157	96	3.1%
23.5%	3,049	3,148	99	3.3%
24.7%	3,046	3,139	93	3.1%
25.9%	3,019	3,110	91	3.0%
27.2%	3,001	3,105	103	3.4%
28.4%	2,988	3,101	113	3.8%
29.6%	2,987	3,087	100	3.3%
30.9%	2,966	3,065	99	3.3%
32.1%	2,963	3,061	99	3.3%
33.3%	2,954	3,043	89	3.0%
34.6%	2,954	3,037	83	2.8%
35.8%	2,947	3,023	76	2.6%
37.0%	2,945	3,018	73	2.5%
38.3%	2,942	3,000	58	2.0%
39.5%	2,933	2,982	49	1.7%
40.7%	2,918	2,980	62	2.1%
42.0%	2,907	2,972	65	2.2%
43.2%	2,905	2,961	56	1.9%
44.4%	2,894	2,954	60	2.1%
45.7%	2,887	2,936	48	1.7%
46.9%	2,878	2,934	55	1.9%
48.1%	2,875	2,930	55	1.9%
49.4%	2,849	2,917	68	2.4%
50.6%	2,812	2,898	86	3.1%
51.9%	2,808	2,891	83	2.9%
53.1%	2,780	2,891	110	4.0%
54.3%	2,764	2,872	108	3.9%
55.6%	2,761	2,869	108	3.9%
56.8%	2,715	2,866	151	5.6%
58.0%	2,696	2,832	136	5.0%
59.3%	2,650	2,826	177	6.7%
60.5%	2,630	2,809	179	6.8%
61.7%	2,609	2,806	198	7.6%
63.0%	2,580	2,794	214	8.3%
64.2%	2,564	2,727	163	6.4%
65.4%	2,555	2,694	138	5.4%
66.7%	2,555	2,670	115	4.5%
67.9%	2,528	2,653	125	4.9%
69.1%	2,512	2,639	126	5.0%
70.4%	2,504	2,629	125	5.0%
71.6%	2,487	2,607	120	4.8%
72.8%	2,414	2,596	182	7.5%
74.1%	2,412	2,592	180	7.5%
75.3%	2,409	2,590	181	7.5%
76.5%	2,349	2,537	188	8.0%
77.8%	2,313	2,499	186	8.0%
79.0%	2,241	2,439	197	8.8%
80.2%	2,081	2,438	357	17.2%
81.5%	1,974	2,218	244	12.4%
82.7%	1,934	2,138	205	10.6%
84.0%	1,915	2,129	213	11.1%
85.2%	1,841	1,964	123	6.7%
86.4%	1,690	1,871	180	10.7%
87.7%	1,612	1,792	179	11.1%
88.9%	1,411	1,767	356	25.2%
90.1%	1,363	1,724	360	26.4%
91.4%	1,115	1,360	245	22.0%
92.6%	836	1,143	307	36.7%
93.8%	780	1,016	236	30.3%
95.1%	632	818	186	29.4%
96.3%	566	770	204	36.0%
97.5%	552	740	188	34.1%
98.8%	550	640	90	16.3%
100.0%	550	555	5	1.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,367	3,360	-7	-0.2%
1.2%	3,360	3,360	0	0.0%
2.5%	3,350	3,349	-1	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,349	3,346	-3	-0.1%
6.2%	3,346	3,338	-8	-0.2%
7.4%	3,338	3,335	-3	-0.1%
8.6%	3,335	3,328	-7	-0.2%
9.9%	3,330	3,322	-8	-0.2%
11.1%	3,328	3,319	-9	-0.3%
12.3%	3,322	3,317	-5	-0.2%
13.6%	3,319	3,316	-3	-0.1%
14.8%	3,317	3,316	-1	0.0%
16.0%	3,316	3,314	-2	-0.1%
17.3%	3,310	3,310	0	0.0%
18.5%	3,297	3,306	9	0.3%
19.8%	3,293	3,293	0	0.0%
21.0%	3,285	3,291	6	0.2%
22.2%	3,276	3,285	9	0.3%
23.5%	3,274	3,285	11	0.3%
24.7%	3,267	3,276	9	0.3%
25.9%	3,267	3,267	0	0.0%
27.2%	3,265	3,265	0	0.0%
28.4%	3,262	3,265	3	0.1%
29.6%	3,252	3,252	0	0.0%
30.9%	3,252	3,252	0	0.0%
32.1%	3,252	3,252	0	0.0%
33.3%	3,249	3,241	-7	-0.2%
34.6%	3,243	3,230	-12	-0.4%
35.8%	3,231	3,217	-14	-0.4%
37.0%	3,214	3,215	1	0.0%
38.3%	3,207	3,212	6	0.2%
39.5%	3,204	3,209	5	0.2%
40.7%	3,194	3,188	-6	-0.2%
42.0%	3,168	3,114	-54	-1.7%
43.2%	3,123	3,091	-32	-1.0%
44.4%	3,114	3,087	-26	-0.8%
45.7%	3,087	3,081	-6	-0.2%
46.9%	3,084	3,071	-13	-0.4%
48.1%	3,080	3,058	-22	-0.7%
49.4%	3,078	3,027	-51	-1.6%
50.6%	3,056	3,008	-48	-1.6%
51.9%	3,005	2,987	-18	-0.6%
53.1%	2,991	2,962	-28	-1.0%
54.3%	2,979	2,959	-20	-0.7%
55.6%	2,940	2,949	9	0.3%
56.8%	2,921	2,946	24	0.8%
58.0%	2,864	2,899	35	1.2%
59.3%	2,804	2,888	84	3.0%
60.5%	2,792	2,871	79	2.8%
61.7%	2,775	2,813	38	1.4%
63.0%	2,771	2,799	28	1.0%
64.2%	2,739	2,793	54	2.0%
65.4%	2,728	2,772	44	1.6%
66.7%	2,712	2,765	53	2.0%
67.9%	2,625	2,755	130	5.0%
69.1%	2,618	2,716	97	3.7%
70.4%	2,535	2,715	180	7.1%
71.6%	2,528	2,703	174	6.9%
72.8%	2,496	2,626	130	5.2%
74.1%	2,485	2,611	126	5.1%
75.3%	2,469	2,590	121	4.9%
76.5%	2,413	2,587	175	7.2%
77.8%	2,412	2,556	144	6.0%
79.0%	2,410	2,511	100	4.2%
80.2%	2,327	2,488	161	6.9%
81.5%	2,210	2,413	203	9.2%
82.7%	2,071	2,396	325	15.7%
84.0%	1,963	2,325	362	18.4%
85.2%	1,907	2,276	369	19.4%
86.4%	1,834	1,957	123	6.7%
87.7%	1,695	1,849	154	9.1%
88.9%	1,675	1,838	163	9.7%
90.1%	1,458	1,704	246	16.9%
91.4%	1,231	1,468	238	19.3%
92.6%	980	1,276	296	30.2%
93.8%	826	1,132	306	37.1%
95.1%	777	1,013	236	30.3%
96.3%	750	928	178	23.7%
97.5%	728	908	180	24.8%
98.8%	680	780	100	14.6%
100.0%	667	687	20	3.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,678	3,668	-10	-0.3%
1.2%	3,650	3,657	7	0.2%
2.5%	3,648	3,654	6	0.2%
3.7%	3,640	3,650	10	0.3%
4.9%	3,633	3,648	15	0.4%
6.2%	3,624	3,640	16	0.4%
7.4%	3,624	3,636	12	0.3%
8.6%	3,622	3,624	2	0.1%
9.9%	3,616	3,622	6	0.2%
11.1%	3,604	3,616	12	0.3%
12.3%	3,571	3,615	44	1.2%
13.6%	3,554	3,604	50	1.4%
14.8%	3,552	3,563	11	0.3%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,552	1	0.0%
18.5%	3,550	3,551	1	0.0%
19.8%	3,541	3,549	8	0.2%
21.0%	3,531	3,541	10	0.3%
22.2%	3,528	3,531	3	0.1%
23.5%	3,515	3,528	13	0.4%
24.7%	3,515	3,515	0	0.0%
25.9%	3,489	3,515	26	0.7%
27.2%	3,475	3,454	-21	-0.6%
28.4%	3,461	3,423	-39	-1.1%
29.6%	3,445	3,400	-45	-1.3%
30.9%	3,404	3,390	-14	-0.4%
32.1%	3,391	3,389	-2	-0.1%
33.3%	3,389	3,371	-18	-0.5%
34.6%	3,382	3,368	-14	-0.4%
35.8%	3,371	3,366	-5	-0.1%
37.0%	3,368	3,358	-10	-0.3%
38.3%	3,366	3,339	-28	-0.8%
39.5%	3,358	3,317	-41	-1.2%
40.7%	3,358	3,314	-44	-1.3%
42.0%	3,339	3,313	-26	-0.8%
43.2%	3,326	3,295	-31	-0.9%
44.4%	3,317	3,263	-54	-1.6%
45.7%	3,296	3,252	-44	-1.3%
46.9%	3,286	3,252	-34	-1.0%
48.1%	3,275	3,252	-23	-0.7%
49.4%	3,252	3,252	0	0.0%
50.6%	3,252	3,252	0	0.0%
51.9%	3,252	3,241	-11	-0.3%
53.1%	3,252	3,233	-19	-0.6%
54.3%	3,252	3,223	-29	-0.9%
55.6%	3,228	3,212	-16	-0.5%
56.8%	3,224	3,189	-35	-1.1%
58.0%	3,148	3,171	22	0.7%
59.3%	3,019	3,160	140	4.7%
60.5%	3,017	3,002	-15	-0.5%
61.7%	2,998	2,999	1	0.0%
63.0%	2,980	2,993	13	0.4%
64.2%	2,976	2,952	-24	-0.8%
65.4%	2,966	2,945	-21	-0.7%
66.7%	2,960	2,940	-20	-0.7%
67.9%	2,938	2,932	-6	-0.2%
69.1%	2,924	2,932	8	0.3%
70.4%	2,913	2,913	0	0.0%
71.6%	2,894	2,888	-6	-0.2%
72.8%	2,890	2,882	-8	-0.3%
74.1%	2,877	2,836	-42	-1.4%
75.3%	2,836	2,814	-22	-0.8%
76.5%	2,789	2,808	19	0.7%
77.8%	2,749	2,771	22	0.8%
79.0%	2,662	2,749	87	3.3%
80.2%	2,656	2,740	84	3.2%
81.5%	2,645	2,703	59	2.2%
82.7%	2,576	2,615	39	1.5%
84.0%	2,491	2,614	123	4.9%
85.2%	2,475	2,607	132	5.3%
86.4%	2,185	2,582	397	18.1%
87.7%	2,108	2,570	461	21.9%
88.9%	2,046	2,486	440	21.5%
90.1%	1,878	2,049	171	9.1%
91.4%	1,564	1,768	205	13.1%
92.6%	1,550	1,707	156	10.1%
93.8%	1,369	1,424	55	4.0%
95.1%	953	1,186	233	24.5%
96.3%	939	1,154	215	22.9%
97.5%	868	1,141	273	31.4%
98.8%	835	1,048	213	25.6%
100.0%	813	952	139	17.1%

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,433	4,433	-1	0.0%
1.2%	3,994	4,021	27	0.7%
2.5%	3,986	3,966	-20	-0.5%
3.7%	3,965	3,944	-21	-0.5%
4.9%	3,944	3,920	-24	-0.6%
6.2%	3,920	3,919	-1	0.0%
7.4%	3,914	3,914	0	0.0%
8.6%	3,877	3,848	-29	-0.7%
9.9%	3,848	3,820	-28	-0.7%
11.1%	3,848	3,794	-54	-1.4%
12.3%	3,805	3,778	-28	-0.7%
13.6%	3,794	3,777	-17	-0.4%
14.8%	3,787	3,772	-15	-0.4%
16.0%	3,777	3,743	-35	-0.9%
17.3%	3,777	3,739	-38	-1.0%
18.5%	3,772	3,710	-62	-1.6%
19.8%	3,743	3,700	-42	-1.1%
21.0%	3,739	3,694	-45	-1.2%
22.2%	3,737	3,685	-52	-1.4%
23.5%	3,734	3,675	-59	-1.6%
24.7%	3,713	3,661	-52	-1.4%
25.9%	3,694	3,654	-40	-1.1%
27.2%	3,675	3,636	-39	-1.1%
28.4%	3,661	3,631	-30	-0.8%
29.6%	3,654	3,626	-28	-0.8%
30.9%	3,654	3,610	-44	-1.2%
32.1%	3,647	3,593	-54	-1.5%
33.3%	3,642	3,578	-65	-1.8%
34.6%	3,636	3,573	-63	-1.7%
35.8%	3,636	3,570	-66	-1.8%
37.0%	3,597	3,567	-30	-0.8%
38.3%	3,570	3,560	-10	-0.3%
39.5%	3,567	3,557	-10	-0.3%
40.7%	3,560	3,538	-22	-0.6%
42.0%	3,536	3,530	-6	-0.2%
43.2%	3,530	3,516	-14	-0.4%
44.4%	3,516	3,509	-7	-0.2%
45.7%	3,515	3,503	-12	-0.3%
46.9%	3,503	3,498	-5	-0.2%
48.1%	3,501	3,496	-6	-0.2%
49.4%	3,480	3,480	0	0.0%
50.6%	3,470	3,472	3	0.1%
51.9%	3,462	3,462	0	0.0%
53.1%	3,431	3,431	0	0.0%
54.3%	3,423	3,423	0	0.0%
55.6%	3,420	3,358	-62	-1.8%
56.8%	3,410	3,323	-87	-2.5%
58.0%	3,402	3,310	-93	-2.7%
59.3%	3,397	3,297	-100	-2.9%
60.5%	3,373	3,292	-81	-2.4%
61.7%	3,370	3,288	-82	-2.4%
63.0%	3,341	3,282	-60	-1.8%
64.2%	3,327	3,252	-75	-2.3%
65.4%	3,292	3,252	-40	-1.2%
66.7%	3,288	3,252	-36	-1.1%
67.9%	3,288	3,250	-38	-1.1%
69.1%	3,282	3,225	-56	-1.7%
70.4%	3,272	3,169	-104	-3.2%
71.6%	3,252	3,165	-87	-2.7%
72.8%	3,252	3,118	-134	-4.1%
74.1%	3,252	3,116	-136	-4.2%
75.3%	3,252	3,108	-144	-4.4%
76.5%	3,217	3,089	-128	-4.0%
77.8%	3,073	3,022	-51	-1.7%
79.0%	2,937	3,013	76	2.6%
80.2%	2,890	2,981	91	3.1%
81.5%	2,859	2,950	91	3.2%
82.7%	2,855	2,933	78	2.7%
84.0%	2,753	2,933	179	6.5%
85.2%	2,746	2,924	178	6.5%
86.4%	2,510	2,781	272	10.8%
87.7%	2,492	2,658	166	6.7%
88.9%	2,265	2,586	321	14.2%
90.1%	2,134	2,565	431	20.2%
91.4%	2,094	2,152	59	2.8%
92.6%	1,981	2,149	167	8.4%
93.8%	1,580	1,737	156	9.9%
95.1%	1,457	1,692	235	16.1%
96.3%	1,268	1,501	233	18.4%
97.5%	1,265	1,277	13	1.0%
98.8%	992	1,270	278	28.0%
100.0%	872	1,177	306	35.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,375	4,308	-67	-1.5%
1.2%	4,280	4,280	0	0.0%
2.5%	4,273	4,253	-20	-0.5%
3.7%	4,256	4,249	-7	-0.2%
4.9%	4,253	4,246	-7	-0.2%
6.2%	4,249	4,229	-20	-0.5%
7.4%	4,246	4,226	-20	-0.5%
8.6%	4,229	4,226	-3	-0.1%
9.9%	4,226	4,221	-5	-0.1%
11.1%	4,226	4,215	-11	-0.2%
12.3%	4,222	4,210	-12	-0.3%
13.6%	4,221	4,199	-22	-0.5%
14.8%	4,199	4,175	-23	-0.6%
16.0%	4,162	4,162	0	0.0%
17.3%	4,129	4,129	0	0.0%
18.5%	4,124	4,118	-6	-0.1%
19.8%	4,118	4,106	-12	-0.3%
21.0%	4,106	4,105	-1	0.0%
22.2%	4,105	4,096	-9	-0.2%
23.5%	4,086	4,071	-15	-0.4%
24.7%	4,071	4,058	-13	-0.3%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,021	4,021	0	0.0%
30.9%	4,010	4,010	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	3,980	3,980	0	0.0%
34.6%	3,976	3,976	0	0.0%
35.8%	3,970	3,970	0	0.0%
37.0%	3,965	3,965	0	0.0%
38.3%	3,956	3,953	-3	-0.1%
39.5%	3,953	3,949	-4	-0.1%
40.7%	3,943	3,940	-3	-0.1%
42.0%	3,940	3,929	-11	-0.3%
43.2%	3,940	3,874	-66	-1.7%
44.4%	3,927	3,873	-54	-1.4%
45.7%	3,918	3,850	-68	-1.7%
46.9%	3,891	3,847	-45	-1.2%
48.1%	3,874	3,821	-54	-1.4%
49.4%	3,873	3,814	-59	-1.5%
50.6%	3,859	3,795	-64	-1.7%
51.9%	3,842	3,791	-51	-1.3%
53.1%	3,797	3,758	-40	-1.0%
54.3%	3,795	3,756	-39	-1.0%
55.6%	3,778	3,741	-37	-1.0%
56.8%	3,756	3,732	-24	-0.6%
58.0%	3,732	3,703	-29	-0.8%
59.3%	3,703	3,703	0	0.0%
60.5%	3,688	3,682	-6	-0.2%
61.7%	3,668	3,667	-1	0.0%
63.0%	3,667	3,623	-43	-1.2%
64.2%	3,657	3,605	-53	-1.4%
65.4%	3,589	3,570	-19	-0.5%
66.7%	3,568	3,534	-34	-1.0%
67.9%	3,543	3,530	-13	-0.4%
69.1%	3,540	3,520	-20	-0.6%
70.4%	3,534	3,504	-30	-0.9%
71.6%	3,504	3,500	-4	-0.1%
72.8%	3,435	3,477	42	1.2%
74.1%	3,417	3,435	19	0.5%
75.3%	3,416	3,417	1	0.0%
76.5%	3,416	3,416	0	0.0%
77.8%	3,416	3,416	0	0.0%
79.0%	3,409	3,416	7	0.2%
80.2%	3,359	3,347	-12	-0.3%
81.5%	3,274	3,338	65	2.0%
82.7%	3,113	3,317	204	6.6%
84.0%	3,086	3,260	174	5.6%
85.2%	3,018	3,233	215	7.1%
86.4%	3,006	3,211	205	6.8%
87.7%	2,985	3,198	213	7.1%
88.9%	2,912	3,095	183	6.3%
90.1%	2,839	2,830	-9	-0.3%
91.4%	2,479	2,817	338	13.6%
92.6%	2,307	2,627	320	13.9%
93.8%	2,001	2,157	156	7.8%
95.1%	1,896	2,131	235	12.4%
96.3%	1,659	1,755	96	5.8%
97.5%	1,527	1,728	201	13.2%
98.8%	1,465	1,713	248	16.9%
100.0%	1,455	1,672	217	14.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,546	-6	-0.1%
7.4%	4,546	4,523	-23	-0.5%
8.6%	4,541	4,522	-19	-0.4%
9.9%	4,522	4,518	-4	-0.1%
11.1%	4,503	4,502	0	0.0%
12.3%	4,500	4,500	0	0.0%
13.6%	4,499	4,498	-1	0.0%
14.8%	4,488	4,498	10	0.2%
16.0%	4,479	4,488	9	0.2%
17.3%	4,470	4,479	9	0.2%
18.5%	4,461	4,472	12	0.3%
19.8%	4,456	4,456	0	0.0%
21.0%	4,451	4,456	5	0.1%
22.2%	4,442	4,451	9	0.2%
23.5%	4,438	4,434	-4	-0.1%
24.7%	4,434	4,428	-6	-0.1%
25.9%	4,432	4,427	-4	-0.1%
27.2%	4,418	4,418	-1	0.0%
28.4%	4,418	4,407	-11	-0.3%
29.6%	4,398	4,405	7	0.2%
30.9%	4,396	4,383	-12	-0.3%
32.1%	4,380	4,341	-38	-0.9%
33.3%	4,341	4,333	-9	-0.2%
34.6%	4,334	4,332	-2	-0.1%
35.8%	4,332	4,329	-4	-0.1%
37.0%	4,332	4,305	-27	-0.6%
38.3%	4,329	4,290	-39	-0.9%
39.5%	4,316	4,289	-27	-0.6%
40.7%	4,292	4,289	-3	-0.1%
42.0%	4,290	4,263	-27	-0.6%
43.2%	4,289	4,237	-52	-1.2%
44.4%	4,289	4,234	-55	-1.3%
45.7%	4,271	4,228	-43	-1.0%
46.9%	4,230	4,217	-13	-0.3%
48.1%	4,217	4,212	-5	-0.1%
49.4%	4,177	4,173	-4	-0.1%
50.6%	4,173	4,163	-10	-0.2%
51.9%	4,137	4,137	0	0.0%
53.1%	4,131	4,131	0	0.0%
54.3%	4,105	4,094	-11	-0.3%
55.6%	4,094	4,074	-20	-0.5%
56.8%	4,085	4,058	-27	-0.7%
58.0%	4,074	4,050	-24	-0.6%
59.3%	4,064	4,049	-14	-0.4%
60.5%	4,058	4,032	-26	-0.6%
61.7%	4,014	4,015	1	0.0%
63.0%	4,001	3,999	-1	0.0%
64.2%	3,990	3,992	2	0.1%
65.4%	3,952	3,976	24	0.6%
66.7%	3,943	3,975	31	0.8%
67.9%	3,928	3,955	27	0.7%
69.1%	3,919	3,951	32	0.8%
70.4%	3,888	3,937	49	1.3%
71.6%	3,850	3,921	70	1.8%
72.8%	3,843	3,915	73	1.9%
74.1%	3,819	3,905	86	2.2%
75.3%	3,812	3,802	-11	-0.3%
76.5%	3,796	3,724	-72	-1.9%
77.8%	3,762	3,697	-65	-1.7%
79.0%	3,758	3,685	-73	-1.9%
80.2%	3,724	3,682	-42	-1.1%
81.5%	3,612	3,652	40	1.1%
82.7%	3,525	3,576	51	1.4%
84.0%	3,306	3,346	40	1.2%
85.2%	3,147	3,267	120	3.8%
86.4%	3,127	3,263	136	4.4%
87.7%	2,991	3,134	143	4.8%
88.9%	2,835	3,014	179	6.3%
90.1%	2,699	2,712	13	0.5%
91.4%	2,598	2,707	109	4.2%
92.6%	2,163	2,521	358	16.5%
93.8%	2,148	2,382	234	10.9%
95.1%	2,069	2,361	292	14.1%
96.3%	1,998	2,319	321	16.0%
97.5%	1,588	1,865	278	17.5%
98.8%	1,583	1,835	252	15.9%
100.0%	1,527	1,829	302	19.8%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,552	4,552	0	0.0%
18.5%	4,552	4,552	0	0.0%
19.8%	4,552	4,552	0	0.0%
21.0%	4,552	4,552	0	0.0%
22.2%	4,552	4,552	0	0.0%
23.5%	4,552	4,552	0	0.0%
24.7%	4,552	4,552	0	0.0%
25.9%	4,552	4,552	0	0.0%
27.2%	4,552	4,552	0	0.0%
28.4%	4,552	4,552	0	0.0%
29.6%	4,552	4,552	0	0.0%
30.9%	4,552	4,552	0	0.0%
32.1%	4,552	4,552	0	0.0%
33.3%	4,552	4,543	-9	-0.2%
34.6%	4,543	4,526	-16	-0.4%
35.8%	4,528	4,513	-16	-0.3%
37.0%	4,495	4,492	-3	-0.1%
38.3%	4,494	4,459	-35	-0.8%
39.5%	4,487	4,450	-37	-0.8%
40.7%	4,482	4,448	-34	-0.8%
42.0%	4,458	4,435	-23	-0.5%
43.2%	4,450	4,434	-16	-0.4%
44.4%	4,440	4,420	-20	-0.4%
45.7%	4,429	4,398	-31	-0.7%
46.9%	4,425	4,391	-34	-0.8%
48.1%	4,358	4,391	33	0.8%
49.4%	4,278	4,360	81	1.9%
50.6%	4,265	4,262	-3	-0.1%
51.9%	4,259	4,256	-3	-0.1%
53.1%	4,258	4,224	-34	-0.8%
54.3%	4,224	4,173	-51	-1.2%
55.6%	4,222	4,157	-65	-1.5%
56.8%	4,155	4,155	0	0.0%
58.0%	4,134	4,127	-6	-0.2%
59.3%	4,082	4,122	40	1.0%
60.5%	4,079	4,121	42	1.0%
61.7%	4,004	4,105	102	2.5%
63.0%	4,001	4,052	51	1.3%
64.2%	3,941	4,033	92	2.3%
65.4%	3,934	3,971	37	1.0%
66.7%	3,859	3,971	112	2.9%
67.9%	3,813	3,965	151	4.0%
69.1%	3,785	3,884	99	2.6%
70.4%	3,778	3,787	9	0.2%
71.6%	3,759	3,708	-51	-1.4%
72.8%	3,714	3,698	-16	-0.4%
74.1%	3,647	3,678	31	0.8%
75.3%	3,626	3,649	24	0.6%
76.5%	3,622	3,567	-55	-1.5%
77.8%	3,589	3,537	-52	-1.4%
79.0%	3,573	3,447	-126	-3.5%
80.2%	3,557	3,438	-119	-3.4%
81.5%	3,523	3,414	-109	-3.1%
82.7%	3,406	3,385	-22	-0.6%
84.0%	3,326	3,327	1	0.0%
85.2%	3,125	3,313	188	6.0%
86.4%	3,049	3,231	182	6.0%
87.7%	3,012	3,185	173	5.8%
88.9%	3,006	3,026	21	0.7%
90.1%	2,975	3,016	41	1.4%
91.4%	2,308	2,545	237	10.3%
92.6%	2,124	2,331	207	9.7%
93.8%	1,927	2,318	391	20.3%
95.1%	1,834	2,262	428	23.3%
96.3%	1,769	2,167	398	22.5%
97.5%	1,735	2,094	360	20.7%
98.8%	1,678	1,926	249	14.8%
100.0%	1,397	1,731	334	23.9%

Table SW-07-9b
Shasta Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,500	0	0.0%
1.2%	4,500	4,500	0	0.0%
2.5%	4,500	4,486	-14	-0.3%
3.7%	4,500	4,471	-29	-0.6%
4.9%	4,500	4,465	-35	-0.8%
6.2%	4,500	4,457	-43	-0.9%
7.4%	4,500	4,457	-43	-1.0%
8.6%	4,500	4,457	-43	-1.0%
9.9%	4,465	4,448	-17	-0.4%
11.1%	4,465	4,446	-19	-0.4%
12.3%	4,463	4,424	-39	-0.9%
13.6%	4,439	4,414	-25	-0.6%
14.8%	4,420	4,410	-9	-0.2%
16.0%	4,349	4,362	13	0.3%
17.3%	4,348	4,349	1	0.0%
18.5%	4,341	4,349	7	0.2%
19.8%	4,339	4,331	-8	-0.2%
21.0%	4,332	4,323	-10	-0.2%
22.2%	4,329	4,322	-6	-0.1%
23.5%	4,318	4,299	-19	-0.4%
24.7%	4,287	4,298	11	0.3%
25.9%	4,273	4,298	25	0.6%
27.2%	4,244	4,276	32	0.8%
28.4%	4,238	4,271	34	0.8%
29.6%	4,226	4,264	38	0.9%
30.9%	4,223	4,249	26	0.6%
32.1%	4,199	4,244	45	1.1%
33.3%	4,193	4,230	38	0.9%
34.6%	4,187	4,203	15	0.4%
35.8%	4,181	4,201	20	0.5%
37.0%	4,165	4,187	22	0.5%
38.3%	4,078	4,155	77	1.9%
39.5%	4,036	4,124	88	2.2%
40.7%	4,033	4,092	58	1.4%
42.0%	4,027	4,085	58	1.4%
43.2%	4,012	4,085	72	1.8%
44.4%	3,990	4,081	91	2.3%
45.7%	3,987	4,071	84	2.1%
46.9%	3,973	4,062	89	2.2%
48.1%	3,886	4,002	116	3.0%
49.4%	3,881	3,999	118	3.0%
50.6%	3,870	3,963	92	2.4%
51.9%	3,852	3,962	110	2.9%
53.1%	3,839	3,946	108	2.8%
54.3%	3,832	3,919	87	2.3%
55.6%	3,783	3,909	125	3.3%
56.8%	3,774	3,866	92	2.4%
58.0%	3,749	3,844	95	2.5%
59.3%	3,737	3,772	34	0.9%
60.5%	3,711	3,771	59	1.6%
61.7%	3,682	3,760	78	2.1%
63.0%	3,662	3,757	95	2.6%
64.2%	3,659	3,728	70	1.9%
65.4%	3,610	3,719	109	3.0%
66.7%	3,565	3,684	120	3.4%
67.9%	3,538	3,619	82	2.3%
69.1%	3,429	3,545	116	3.4%
70.4%	3,412	3,463	51	1.5%
71.6%	3,412	3,369	-43	-1.3%
72.8%	3,401	3,345	-55	-1.6%
74.1%	3,299	3,339	41	1.2%
75.3%	3,228	3,310	83	2.6%
76.5%	3,201	3,305	104	3.2%
77.8%	3,200	3,299	99	3.1%
79.0%	3,200	3,281	81	2.5%
80.2%	3,155	3,201	46	1.5%
81.5%	3,152	3,170	19	0.6%
82.7%	2,894	3,170	277	9.6%
84.0%	2,886	3,026	140	4.8%
85.2%	2,782	2,972	190	6.8%
86.4%	2,779	2,902	123	4.4%
87.7%	2,772	2,877	105	3.8%
88.9%	2,690	2,807	117	4.3%
90.1%	2,509	2,804	295	11.8%
91.4%	1,869	2,128	259	13.9%
92.6%	1,843	2,064	221	12.0%
93.8%	1,563	1,897	335	21.4%
95.1%	1,531	1,870	340	22.2%
96.3%	1,476	1,816	339	23.0%
97.5%	1,360	1,689	329	24.2%
98.8%	1,260	1,629	369	29.3%
100.0%	878	1,198	320	36.4%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,150	0	0.0%
1.2%	4,150	4,150	0	0.0%
2.5%	4,150	4,140	-10	-0.2%
3.7%	4,150	4,120	-30	-0.7%
4.9%	4,150	4,106	-44	-1.1%
6.2%	4,150	4,102	-48	-1.2%
7.4%	4,112	4,098	-15	-0.4%
8.6%	4,100	4,095	-4	-0.1%
9.9%	4,079	4,080	1	0.0%
11.1%	4,039	4,079	40	1.0%
12.3%	4,036	4,058	22	0.5%
13.6%	4,026	3,995	-31	-0.8%
14.8%	3,995	3,994	-1	0.0%
16.0%	3,975	3,967	-8	-0.2%
17.3%	3,973	3,961	-12	-0.3%
18.5%	3,943	3,938	-6	-0.1%
19.8%	3,935	3,918	-16	-0.4%
21.0%	3,931	3,909	-22	-0.6%
22.2%	3,917	3,885	-32	-0.8%
23.5%	3,866	3,803	-63	-1.6%
24.7%	3,728	3,785	57	1.5%
25.9%	3,718	3,781	63	1.7%
27.2%	3,699	3,770	71	1.9%
28.4%	3,698	3,766	69	1.9%
29.6%	3,689	3,758	69	1.9%
30.9%	3,677	3,719	42	1.1%
32.1%	3,635	3,698	62	1.7%
33.3%	3,623	3,688	65	1.8%
34.6%	3,620	3,682	62	1.7%
35.8%	3,585	3,661	76	2.1%
37.0%	3,568	3,621	53	1.5%
38.3%	3,480	3,594	114	3.3%
39.5%	3,462	3,586	124	3.6%
40.7%	3,413	3,574	161	4.7%
42.0%	3,408	3,571	163	4.8%
43.2%	3,408	3,518	110	3.2%
44.4%	3,400	3,509	109	3.2%
45.7%	3,389	3,509	120	3.5%
46.9%	3,388	3,455	68	2.0%
48.1%	3,380	3,431	52	1.5%
49.4%	3,375	3,430	54	1.6%
50.6%	3,361	3,429	68	2.0%
51.9%	3,355	3,423	68	2.0%
53.1%	3,346	3,421	75	2.2%
54.3%	3,334	3,400	66	2.0%
55.6%	3,278	3,391	113	3.4%
56.8%	3,257	3,331	74	2.3%
58.0%	3,207	3,327	120	3.7%
59.3%	3,206	3,315	110	3.4%
60.5%	3,200	3,269	69	2.2%
61.7%	3,174	3,263	90	2.8%
63.0%	3,149	3,238	89	2.8%
64.2%	3,137	3,212	75	2.4%
65.4%	3,113	3,188	75	2.4%
66.7%	3,038	3,156	119	3.9%
67.9%	2,984	3,092	108	3.6%
69.1%	2,977	3,083	106	3.5%
70.4%	2,890	2,994	114	4.0%
71.6%	2,873	2,967	94	3.3%
72.8%	2,846	2,955	109	3.8%
74.1%	2,778	2,937	160	5.7%
75.3%	2,770	2,937	168	6.1%
76.5%	2,733	2,894	161	5.9%
77.8%	2,712	2,825	113	4.2%
79.0%	2,674	2,825	151	5.6%
80.2%	2,600	2,808	208	8.0%
81.5%	2,593	2,779	186	7.2%
82.7%	2,397	2,661	264	11.0%
84.0%	2,383	2,507	124	5.2%
85.2%	2,361	2,484	124	5.2%
86.4%	2,261	2,418	157	6.9%
87.7%	2,258	2,404	146	6.5%
88.9%	2,192	2,392	199	9.1%
90.1%	1,997	2,323	326	16.3%
91.4%	1,509	1,673	164	10.9%
92.6%	1,423	1,610	187	13.1%
93.8%	1,305	1,600	294	22.5%
95.1%	1,139	1,391	252	22.2%
96.3%	1,040	1,314	274	26.3%
97.5%	897	1,306	409	45.5%
98.8%	650	1,240	590	90.8%
100.0%	606	862	256	42.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,700	0	0.0%
3.7%	3,700	3,700	0	0.0%
4.9%	3,700	3,700	0	0.0%
6.2%	3,700	3,700	0	0.0%
7.4%	3,700	3,700	0	0.0%
8.6%	3,700	3,700	0	0.0%
9.9%	3,700	3,700	0	0.0%
11.1%	3,700	3,700	0	0.0%
12.3%	3,700	3,700	0	0.0%
13.6%	3,700	3,700	0	0.0%
14.8%	3,700	3,700	0	0.0%
16.0%	3,682	3,685	3	0.1%
17.3%	3,652	3,665	14	0.4%
18.5%	3,651	3,648	-3	-0.1%
19.8%	3,619	3,644	26	0.7%
21.0%	3,592	3,583	-9	-0.2%
22.2%	3,572	3,547	-25	-0.7%
23.5%	3,539	3,540	1	0.0%
24.7%	3,420	3,536	116	3.4%
25.9%	3,402	3,534	132	3.9%
27.2%	3,380	3,531	151	4.5%
28.4%	3,367	3,527	160	4.8%
29.6%	3,334	3,525	192	5.8%
30.9%	3,333	3,470	137	4.1%
32.1%	3,331	3,435	104	3.1%
33.3%	3,297	3,430	132	4.0%
34.6%	3,286	3,402	116	3.5%
35.8%	3,250	3,394	144	4.4%
37.0%	3,217	3,325	109	3.4%
38.3%	3,210	3,318	108	3.4%
39.5%	3,205	3,312	106	3.3%
40.7%	3,112	3,293	181	5.8%
42.0%	3,107	3,254	147	4.7%
43.2%	3,090	3,212	122	4.0%
44.4%	3,074	3,200	126	4.1%
45.7%	3,066	3,160	94	3.1%
46.9%	3,060	3,147	87	2.8%
48.1%	3,039	3,127	88	2.9%
49.4%	3,019	3,120	101	3.4%
50.6%	3,017	3,089	72	2.4%
51.9%	2,951	3,085	133	4.5%
53.1%	2,947	3,077	130	4.4%
54.3%	2,941	3,048	107	3.6%
55.6%	2,931	3,016	86	2.9%
56.8%	2,901	3,007	106	3.7%
58.0%	2,897	2,998	101	3.5%
59.3%	2,864	2,997	133	4.6%
60.5%	2,858	2,966	109	3.8%
61.7%	2,851	2,955	103	3.6%
63.0%	2,793	2,952	159	5.7%
64.2%	2,749	2,933	184	6.7%
65.4%	2,701	2,883	182	6.7%
66.7%	2,698	2,870	172	6.4%
67.9%	2,673	2,847	174	6.5%
69.1%	2,642	2,771	129	4.9%
70.4%	2,635	2,737	102	3.9%
71.6%	2,634	2,708	75	2.8%
72.8%	2,617	2,685	68	2.6%
74.1%	2,585	2,680	94	3.6%
75.3%	2,483	2,678	195	7.8%
76.5%	2,438	2,624	186	7.6%
77.8%	2,434	2,569	134	5.5%
79.0%	2,280	2,534	255	11.2%
80.2%	2,169	2,462	293	13.5%
81.5%	2,146	2,440	294	13.7%
82.7%	2,097	2,236	140	6.7%
84.0%	2,045	2,228	182	8.9%
85.2%	2,018	2,144	126	6.3%
86.4%	1,932	2,082	149	7.7%
87.7%	1,805	2,053	248	13.7%
88.9%	1,734	1,862	128	7.4%
90.1%	1,719	1,769	50	2.9%
91.4%	1,220	1,383	163	13.4%
92.6%	1,142	1,382	239	21.0%
93.8%	1,064	1,364	299	28.1%
95.1%	757	1,049	292	38.5%
96.3%	642	1,031	389	60.7%
97.5%	557	956	398	71.4%
98.8%	550	868	318	57.8%
100.0%	550	578	28	5.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,400	3,400	0	0.0%
4.9%	3,398	3,400	2	0.0%
6.2%	3,391	3,400	9	0.3%
7.4%	3,384	3,400	16	0.5%
8.6%	3,380	3,400	20	0.6%
9.9%	3,378	3,400	22	0.7%
11.1%	3,376	3,400	24	0.7%
12.3%	3,374	3,400	26	0.8%
13.6%	3,353	3,400	47	1.4%
14.8%	3,352	3,400	48	1.4%
16.0%	3,349	3,400	51	1.5%
17.3%	3,333	3,377	44	1.3%
18.5%	3,242	3,360	118	3.6%
19.8%	3,237	3,339	103	3.2%
21.0%	3,232	3,333	101	3.1%
22.2%	3,199	3,315	115	3.6%
23.5%	3,198	3,272	74	2.3%
24.7%	3,187	3,264	77	2.4%
25.9%	3,170	3,258	87	2.8%
27.2%	3,160	3,251	91	2.9%
28.4%	3,146	3,222	75	2.4%
29.6%	3,144	3,213	69	2.2%
30.9%	3,119	3,210	91	2.9%
32.1%	3,083	3,208	124	4.0%
33.3%	3,078	3,200	122	4.0%
34.6%	3,064	3,189	125	4.1%
35.8%	3,028	3,185	157	5.2%
37.0%	3,022	3,176	154	5.1%
38.3%	2,979	3,150	171	5.7%
39.5%	2,976	3,125	149	5.0%
40.7%	2,970	3,101	131	4.4%
42.0%	2,964	3,095	132	4.4%
43.2%	2,955	3,090	135	4.6%
44.4%	2,941	3,075	134	4.5%
45.7%	2,929	3,050	121	4.1%
46.9%	2,921	3,049	128	4.4%
48.1%	2,896	3,033	138	4.8%
49.4%	2,891	3,020	129	4.4%
50.6%	2,844	3,016	171	6.0%
51.9%	2,838	3,005	167	5.9%
53.1%	2,830	2,997	167	5.9%
54.3%	2,823	2,956	133	4.7%
55.6%	2,821	2,935	115	4.1%
56.8%	2,796	2,907	111	4.0%
58.0%	2,796	2,885	89	3.2%
59.3%	2,708	2,877	168	6.2%
60.5%	2,664	2,849	186	7.0%
61.7%	2,658	2,814	157	5.9%
63.0%	2,646	2,812	166	6.3%
64.2%	2,630	2,723	92	3.5%
65.4%	2,615	2,720	105	4.0%
66.7%	2,569	2,716	146	5.7%
67.9%	2,554	2,707	152	6.0%
69.1%	2,545	2,687	142	5.6%
70.4%	2,538	2,673	135	5.3%
71.6%	2,491	2,639	147	5.9%
72.8%	2,399	2,628	229	9.6%
74.1%	2,335	2,615	280	12.0%
75.3%	2,332	2,558	226	9.7%
76.5%	2,315	2,526	211	9.1%
77.8%	2,237	2,427	190	8.5%
79.0%	2,233	2,408	175	7.8%
80.2%	2,228	2,381	153	6.9%
81.5%	2,099	2,380	282	13.4%
82.7%	2,086	2,229	143	6.9%
84.0%	2,055	2,222	167	8.1%
85.2%	1,928	2,055	127	6.6%
86.4%	1,906	1,990	84	4.4%
87.7%	1,623	1,898	275	17.0%
88.9%	1,615	1,814	198	12.3%
90.1%	1,609	1,700	91	5.7%
91.4%	1,118	1,302	183	16.4%
92.6%	971	1,274	303	31.3%
93.8%	965	1,228	263	27.3%
95.1%	640	950	310	48.3%
96.3%	569	950	381	67.0%
97.5%	550	923	373	67.9%
98.8%	550	814	264	48.0%
100.0%	550	550	0	0.0%

Table SW-08-9a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	980	980	988	1,002	1,015	1,030	1,042	1,042	1,029	1,008	992	984
Alternative D	987	986	992	1,005	1,016	1,032	1,043	1,045	1,034	1,014	999	991
Difference	7	7	4	3	1	1	2	2	4	6	7	8
Percent Difference[3]	0.7%	0.7%	0.4%	0.3%	0.1%	0.1%	0.2%	0.2%	0.4%	0.6%	0.7%	0.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,008	1,003	1,010	1,024	1,033	1,042	1,059	1,064	1,057	1,042	1,029	1,012
Alternative D	1,010	1,007	1,011	1,024	1,033	1,042	1,059	1,064	1,057	1,043	1,031	1,015
Difference	2	4	1	0	-1	0	0	0	0	1	2	3
Percent Difference	0.2%	0.4%	0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%
Above Normal (15%)												
No Action Alternative	1,004	1,001	1,009	1,010	1,023	1,045	1,062	1,064	1,051	1,030	1,015	1,008
Alternative D	1,009	1,005	1,009	1,011	1,022	1,045	1,061	1,064	1,053	1,032	1,020	1,013
Difference	5	4	1	2	-1	0	-1	-1	1	2	5	6
Percent Difference	0.5%	0.4%	0.1%	0.2%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	0.2%	0.5%	0.6%
Below Normal (17%)												
No Action Alternative	999	1,002	1,006	1,000	1,017	1,034	1,049	1,050	1,038	1,017	1,002	999
Alternative D	1,002	1,004	1,005	1,002	1,017	1,034	1,049	1,051	1,040	1,020	1,006	1,004
Difference	3	2	0	2	0	1	0	0	2	3	4	4
Percent Difference	0.3%	0.2%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.2%	0.3%	0.4%	0.4%
Dry (22%)												
No Action Alternative	972	976	988	994	1,012	1,032	1,038	1,035	1,020	997	980	977
Alternative D	984	986	996	998	1,012	1,034	1,040	1,037	1,025	1,005	990	987
Difference	12	10	8	3	1	2	2	2	6	8	10	10
Percent Difference	1.2%	1.0%	0.8%	0.3%	0.1%	0.2%	0.2%	0.2%	0.6%	0.8%	1.0%	1.0%
Critical (15%)												
No Action Alternative	885	886	899	957	969	983	981	975	952	920	898	891
Alternative D	902	902	914	968	978	991	990	987	968	941	916	910
Difference	17	16	16	10	8	7	9	12	15	21	18	19
Percent Difference	1.9%	1.8%	1.7%	1.1%	0.9%	0.7%	0.9%	1.2%	1.6%	2.2%	2.0%	2.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-08-9b
Shasta Lake, End of Month Elevation
Probability of Exceedance

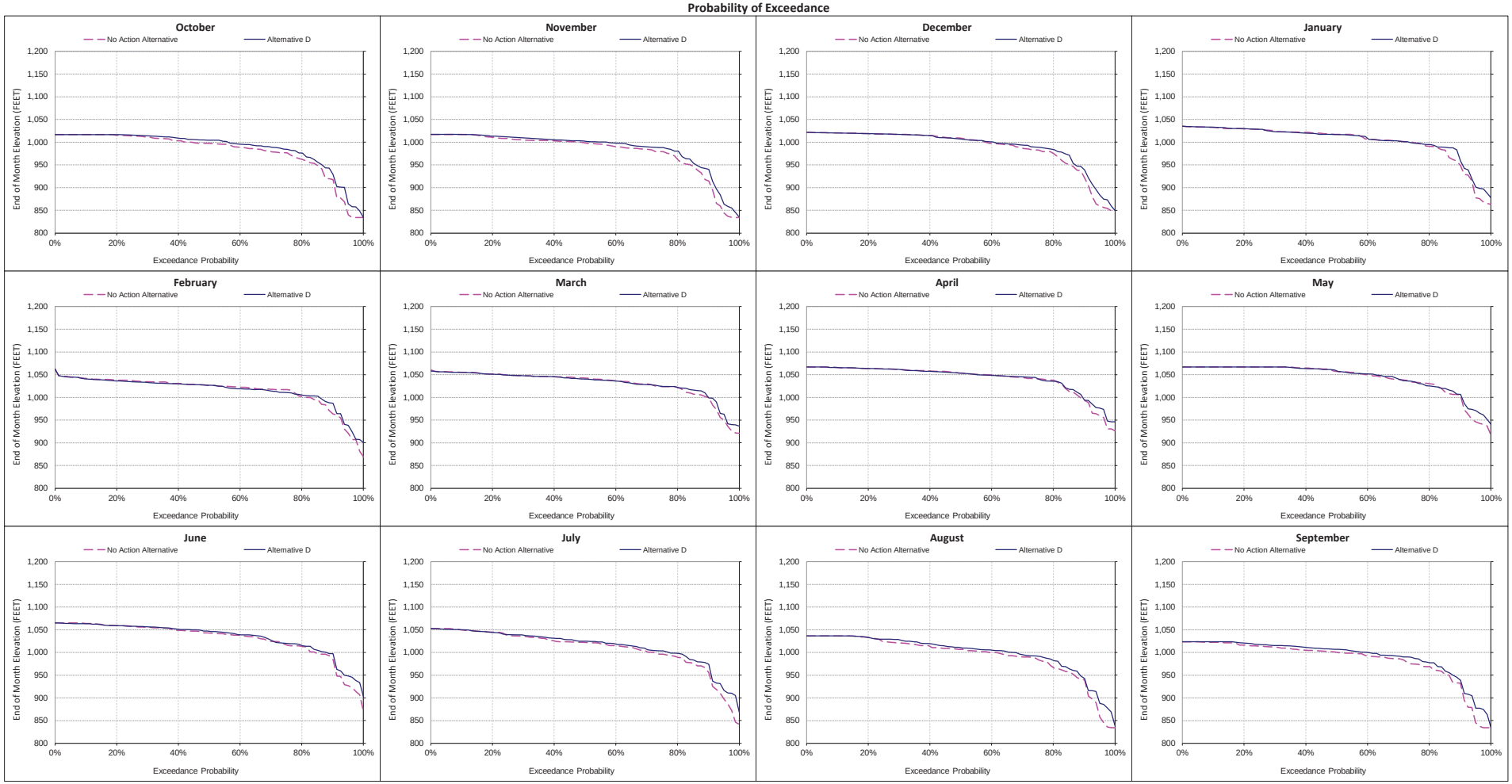

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,017	1,017	0	0.0%
16.0%	1,017	1,017	0	0.0%
17.3%	1,017	1,017	0	0.0%
18.5%	1,017	1,017	0	0.0%
19.8%	1,015	1,017	1	0.1%
21.0%	1,015	1,017	2	0.2%
22.2%	1,015	1,016	1	0.1%
23.5%	1,015	1,016	2	0.2%
24.7%	1,014	1,016	2	0.2%
25.9%	1,014	1,015	1	0.1%
27.2%	1,014	1,015	1	0.1%
28.4%	1,013	1,015	2	0.2%
29.6%	1,011	1,014	3	0.3%
30.9%	1,011	1,014	3	0.3%
32.1%	1,009	1,013	5	0.5%
33.3%	1,008	1,013	4	0.4%
34.6%	1,008	1,013	4	0.4%
35.8%	1,007	1,012	4	0.4%
37.0%	1,007	1,012	4	0.4%
38.3%	1,004	1,011	7	0.7%
39.5%	1,003	1,009	6	0.6%
40.7%	1,003	1,008	5	0.5%
42.0%	1,000	1,008	8	0.8%
43.2%	1,000	1,006	6	0.6%
44.4%	1,000	1,006	6	0.6%
45.7%	998	1,006	7	0.7%
46.9%	998	1,005	7	0.7%
48.1%	998	1,005	7	0.7%
49.4%	998	1,005	7	0.7%
50.6%	997	1,004	7	0.7%
51.9%	996	1,004	8	0.8%
53.1%	996	1,004	8	0.8%
54.3%	996	1,002	7	0.7%
55.6%	996	1,002	6	0.6%
56.8%	993	998	4	0.4%
58.0%	990	997	8	0.8%
59.3%	989	996	7	0.7%
60.5%	989	995	7	0.7%
61.7%	987	995	8	0.8%
63.0%	986	995	9	0.9%
64.2%	986	993	7	0.8%
65.4%	985	992	7	0.7%
66.7%	984	992	8	0.8%
67.9%	981	991	9	1.0%
69.1%	981	990	9	1.0%
70.4%	978	989	10	1.0%
71.6%	978	988	10	1.0%
72.8%	977	987	10	1.1%
74.1%	977	985	8	0.8%
75.3%	977	984	8	0.8%
76.5%	971	982	11	1.1%
77.8%	967	982	15	1.5%
79.0%	964	976	12	1.3%
80.2%	962	976	14	1.4%
81.5%	958	968	9	1.0%
82.7%	955	966	12	1.2%
84.0%	954	962	8	0.9%
85.2%	948	956	7	0.8%
86.4%	942	951	8	0.9%
87.7%	921	943	23	2.5%
88.9%	920	943	23	2.5%
90.1%	918	929	11	1.2%
91.4%	878	902	25	2.8%
92.6%	877	901	24	2.7%
93.8%	869	900	32	3.6%
95.1%	840	864	24	2.9%
96.3%	834	858	24	2.9%
97.5%	834	857	23	2.8%
98.8%	834	848	14	1.7%
100.0%	834	834	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,017	1,017	0	0.0%
9.9%	1,017	1,017	0	0.0%
11.1%	1,017	1,017	0	0.0%
12.3%	1,017	1,017	0	0.0%
13.6%	1,017	1,017	0	0.0%
14.8%	1,015	1,016	1	0.1%
16.0%	1,014	1,015	1	0.1%
17.3%	1,013	1,015	2	0.2%
18.5%	1,011	1,014	3	0.3%
19.8%	1,011	1,014	3	0.3%
21.0%	1,010	1,013	3	0.3%
22.2%	1,009	1,013	4	0.4%
23.5%	1,008	1,012	4	0.4%
24.7%	1,008	1,012	4	0.4%
25.9%	1,007	1,011	4	0.4%
27.2%	1,006	1,011	4	0.4%
28.4%	1,006	1,010	5	0.5%
29.6%	1,005	1,010	4	0.4%
30.9%	1,005	1,009	4	0.4%
32.1%	1,004	1,009	4	0.4%
33.3%	1,004	1,008	4	0.4%
34.6%	1,004	1,008	4	0.4%
35.8%	1,004	1,007	3	0.3%
37.0%	1,004	1,007	3	0.3%
38.3%	1,004	1,006	2	0.2%
39.5%	1,003	1,005	2	0.2%
40.7%	1,002	1,005	3	0.3%
42.0%	1,002	1,005	3	0.3%
43.2%	1,002	1,004	2	0.2%
44.4%	1,001	1,004	3	0.3%
45.7%	1,001	1,003	2	0.2%
46.9%	1,001	1,003	2	0.2%
48.1%	1,001	1,003	2	0.2%
49.4%	999	1,002	3	0.3%
50.6%	998	1,002	4	0.4%
51.9%	998	1,001	4	0.4%
53.1%	997	1,001	5	0.5%
54.3%	996	1,001	5	0.5%
55.6%	996	1,000	5	0.5%
56.8%	994	1,000	7	0.7%
58.0%	993	999	6	0.6%
59.3%	991	999	8	0.8%
60.5%	990	998	8	0.8%
61.7%	989	998	9	0.9%
63.0%	988	997	9	0.9%
64.2%	987	994	7	0.7%
65.4%	987	993	6	0.6%
66.7%	987	992	5	0.5%
67.9%	986	991	5	0.5%
69.1%	985	990	6	0.6%
70.4%	984	990	6	0.6%
71.6%	983	989	6	0.6%
72.8%	979	989	9	0.9%
74.1%	979	988	9	0.9%
75.3%	979	988	9	0.9%
76.5%	976	986	10	1.1%
77.8%	974	984	11	1.1%
79.0%	969	981	11	1.2%
80.2%	960	981	20	2.1%
81.5%	954	968	14	1.4%
82.7%	952	964	12	1.2%
84.0%	951	963	12	1.3%
85.2%	947	954	7	0.7%
86.4%	938	948	10	1.1%
87.7%	933	944	11	1.2%
88.9%	918	943	25	2.7%
90.1%	914	940	26	2.8%
91.4%	894	914	20	2.2%
92.6%	866	897	32	3.7%
93.8%	860	884	25	2.9%
95.1%	844	864	19	2.3%
96.3%	837	859	22	2.6%
97.5%	835	855	21	2.5%
98.8%	834	845	11	1.3%
100.0%	834	835	1	0.1%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,022	1,022	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,021	0	0.0%
8.6%	1,021	1,020	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,020	1,020	0	0.0%
16.0%	1,020	1,020	0	0.0%
17.3%	1,020	1,020	0	0.0%
18.5%	1,019	1,019	0	0.0%
19.8%	1,019	1,019	0	0.0%
21.0%	1,018	1,019	0	0.0%
22.2%	1,018	1,018	0	0.0%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,018	0	0.0%
25.9%	1,018	1,018	0	0.0%
27.2%	1,018	1,018	0	0.0%
28.4%	1,017	1,018	0	0.0%
29.6%	1,017	1,017	0	0.0%
30.9%	1,017	1,017	0	0.0%
32.1%	1,017	1,017	0	0.0%
33.3%	1,017	1,017	0	0.0%
34.6%	1,017	1,016	-1	-0.1%
35.8%	1,016	1,015	-1	-0.1%
37.0%	1,015	1,015	0	0.0%
38.3%	1,015	1,015	0	0.0%
39.5%	1,015	1,015	0	0.0%
40.7%	1,014	1,014	0	0.0%
42.0%	1,013	1,011	-2	-0.2%
43.2%	1,011	1,010	-1	-0.1%
44.4%	1,011	1,010	-1	-0.1%
45.7%	1,010	1,010	0	0.0%
46.9%	1,010	1,009	-1	-0.1%
48.1%	1,010	1,009	-1	-0.1%
49.4%	1,009	1,007	-2	-0.2%
50.6%	1,008	1,006	-2	-0.2%
51.9%	1,006	1,005	-1	-0.1%
53.1%	1,006	1,004	-1	-0.1%
54.3%	1,005	1,004	-1	-0.1%
55.6%	1,003	1,004	0	0.0%
56.8%	1,003	1,004	1	0.1%
58.0%	1,000	1,002	2	0.2%
59.3%	998	1,001	4	0.4%
60.5%	997	1,000	3	0.3%
61.7%	996	998	2	0.2%
63.0%	996	997	1	0.1%
64.2%	995	997	2	0.2%
65.4%	994	996	2	0.2%
66.7%	994	996	2	0.2%
67.9%	990	995	6	0.6%
69.1%	989	994	4	0.4%
70.4%	986	994	8	0.8%
71.6%	986	993	8	0.8%
72.8%	984	990	6	0.6%
74.1%	983	989	6	0.6%
75.3%	982	988	6	0.6%
76.5%	979	988	9	0.9%
77.8%	979	987	8	0.8%
79.0%	979	985	6	0.6%
80.2%	974	983	9	0.9%
81.5%	968	979	12	1.2%
82.7%	960	978	18	1.9%
84.0%	954	974	21	2.2%
85.2%	951	971	21	2.2%
86.4%	946	953	7	0.7%
87.7%	938	947	9	0.9%
88.9%	937	947	9	1.0%
90.1%	921	939	18	1.9%
91.4%	905	922	17	1.9%
92.6%	880	908	27	3.1%
93.8%	864	896	32	3.7%
95.1%	859	884	25	2.9%
96.3%	857	875	19	2.2%
97.5%	854	873	19	2.2%
98.8%	849	860	10	1.2%
100.0%	848	850	2	0.2%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,035	1,035	0	0.0%
1.2%	1,034	1,035	0	0.0%
2.5%	1,034	1,034	0	0.0%
3.7%	1,034	1,034	0	0.0%
4.9%	1,034	1,034	1	0.1%
6.2%	1,033	1,034	1	0.1%
7.4%	1,033	1,034	1	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,032	1,033	1	0.1%
12.3%	1,031	1,033	2	0.2%
13.6%	1,030	1,032	2	0.2%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,030	1,030	0	0.0%
19.8%	1,030	1,030	0	0.0%
21.0%	1,029	1,030	0	0.0%
22.2%	1,029	1,029	0	0.0%
23.5%	1,028	1,029	1	0.1%
24.7%	1,028	1,028	0	0.0%
25.9%	1,027	1,028	1	0.1%
27.2%	1,027	1,026	-1	-0.1%
28.4%	1,026	1,024	-2	-0.2%
29.6%	1,025	1,023	-2	-0.2%
30.9%	1,024	1,023	-1	-0.1%
32.1%	1,023	1,023	0	0.0%
33.3%	1,023	1,022	-1	-0.1%
34.6%	1,023	1,022	-1	-0.1%
35.8%	1,022	1,022	0	0.0%
37.0%	1,022	1,022	0	0.0%
38.3%	1,022	1,021	-1	-0.1%
39.5%	1,022	1,020	-2	-0.2%
40.7%	1,022	1,020	-2	-0.2%
42.0%	1,021	1,020	-1	-0.1%
43.2%	1,020	1,019	-1	-0.1%
44.4%	1,020	1,017	-2	-0.2%
45.7%	1,019	1,017	-2	-0.2%
46.9%	1,018	1,017	-1	-0.1%
48.1%	1,018	1,017	-1	-0.1%
49.4%	1,017	1,017	0	0.0%
50.6%	1,017	1,017	0	0.0%
51.9%	1,017	1,017	0	0.0%
53.1%	1,017	1,016	-1	-0.1%
54.3%	1,017	1,016	-1	-0.1%
55.6%	1,016	1,015	-1	-0.1%
56.8%	1,016	1,014	-2	-0.1%
58.0%	1,012	1,013	1	0.1%
59.3%	1,007	1,013	6	0.6%
60.5%	1,007	1,006	-1	-0.1%
61.7%	1,006	1,006	0	0.0%
63.0%	1,005	1,006	1	0.1%
64.2%	1,005	1,004	-1	-0.1%
65.4%	1,005	1,004	-1	-0.1%
66.7%	1,004	1,003	-1	-0.1%
67.9%	1,003	1,003	0	0.0%
69.1%	1,003	1,003	0	0.0%
70.4%	1,002	1,002	0	0.0%
71.6%	1,001	1,001	0	0.0%
72.8%	1,001	1,001	0	0.0%
74.1%	1,001	999	-2	-0.2%
75.3%	999	998	-1	-0.1%
76.5%	997	998	1	0.1%
77.8%	995	996	1	0.1%
79.0%	991	995	4	0.4%
80.2%	991	995	4	0.4%
81.5%	991	993	3	0.3%
82.7%	988	989	2	0.2%
84.0%	984	989	6	0.6%
85.2%	983	989	6	0.6%
86.4%	966	988	22	2.2%
87.7%	962	987	25	2.6%
88.9%	958	983	25	2.6%
90.1%	949	959	10	1.0%
91.4%	929	943	14	1.5%
92.6%	928	939	11	1.2%
93.8%	915	919	4	0.4%
95.1%	878	901	24	2.7%
96.3%	876	899	22	2.6%
97.5%	869	897	28	3.3%
98.8%	865	888	22	2.6%
100.0%	863	877	14	1.7%

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,063	1,063	0	0.0%
1.2%	1,047	1,048	1	0.1%
2.5%	1,047	1,046	-1	-0.1%
3.7%	1,046	1,045	-1	-0.1%
4.9%	1,045	1,044	-1	-0.1%
6.2%	1,044	1,044	0	0.0%
7.4%	1,044	1,044	0	0.0%
8.6%	1,043	1,042	-1	-0.1%
9.9%	1,042	1,041	-1	-0.1%
11.1%	1,042	1,040	-2	-0.2%
12.3%	1,040	1,039	-1	-0.1%
13.6%	1,040	1,039	-1	-0.1%
14.8%	1,040	1,039	-1	-0.1%
16.0%	1,039	1,038	-1	-0.1%
17.3%	1,039	1,038	-1	-0.1%
18.5%	1,039	1,037	-2	-0.2%
19.8%	1,038	1,036	-2	-0.2%
21.0%	1,038	1,036	-2	-0.2%
22.2%	1,038	1,036	-2	-0.2%
23.5%	1,038	1,035	-2	-0.2%
24.7%	1,037	1,035	-2	-0.2%
25.9%	1,036	1,034	-2	-0.2%
27.2%	1,035	1,034	-2	-0.2%
28.4%	1,035	1,033	-1	-0.1%
29.6%	1,034	1,033	-1	-0.1%
30.9%	1,034	1,033	-2	-0.2%
32.1%	1,034	1,032	-2	-0.2%
33.3%	1,034	1,031	-3	-0.3%
34.6%	1,034	1,031	-3	-0.3%
35.8%	1,034	1,031	-3	-0.3%
37.0%	1,032	1,031	-1	-0.1%
38.3%	1,031	1,030	0	0.0%
39.5%	1,031	1,030	0	0.0%
40.7%	1,030	1,029	-1	-0.1%
42.0%	1,029	1,029	0	0.0%
43.2%	1,029	1,028	-1	-0.1%
44.4%	1,028	1,028	0	0.0%
45.7%	1,028	1,028	-1	-0.1%
46.9%	1,028	1,028	0	0.0%
48.1%	1,028	1,028	0	0.0%
49.4%	1,027	1,027	0	0.0%
50.6%	1,026	1,027	0	0.0%
51.9%	1,026	1,026	0	0.0%
53.1%	1,025	1,025	0	0.0%
54.3%	1,024	1,024	0	0.0%
55.6%	1,024	1,022	-3	-0.3%
56.8%	1,024	1,020	-4	-0.4%
58.0%	1,024	1,019	-4	-0.4%
59.3%	1,023	1,019	-4	-0.4%
60.5%	1,022	1,019	-3	-0.3%
61.7%	1,022	1,019	-4	-0.3%
63.0%	1,021	1,018	-3	-0.3%
64.2%	1,020	1,017	-3	-0.3%
65.4%	1,019	1,017	-2	-0.2%
66.7%	1,019	1,017	-2	-0.2%
67.9%	1,019	1,017	-2	-0.2%
69.1%	1,018	1,016	-2	-0.2%
70.4%	1,018	1,013	-4	-0.4%
71.6%	1,017	1,013	-4	-0.4%
72.8%	1,017	1,011	-6	-0.6%
74.1%	1,017	1,011	-6	-0.6%
75.3%	1,017	1,011	-6	-0.6%
76.5%	1,015	1,010	-6	-0.5%
77.8%	1,009	1,007	-2	-0.2%
79.0%	1,003	1,007	3	0.3%
80.2%	1,001	1,005	4	0.4%
81.5%	1,000	1,004	4	0.4%
82.7%	1,000	1,003	3	0.3%
84.0%	995	1,003	8	0.8%
85.2%	995	1,003	8	0.8%
86.4%	985	997	12	1.2%
87.7%	984	991	8	0.8%
88.9%	971	988	17	1.8%
90.1%	963	987	24	2.5%
91.4%	961	964	3	0.3%
92.6%	955	964	9	1.0%
93.8%	930	941	11	1.1%
95.1%	921	938	17	1.9%
96.3%	907	924	17	1.9%
97.5%	907	908	1	0.1%
98.8%	882	907	26	2.9%
100.0%	869	901	32	3.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,061	1,058	-2	-0.2%
1.2%	1,057	1,057	0	0.0%
2.5%	1,057	1,056	-1	-0.1%
3.7%	1,056	1,056	0	0.0%
4.9%	1,056	1,056	0	0.0%
6.2%	1,056	1,055	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,055	1,055	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	0	0.0%
13.6%	1,055	1,054	-1	-0.1%
14.8%	1,054	1,054	-1	-0.1%
16.0%	1,053	1,053	0	0.0%
17.3%	1,052	1,052	0	0.0%
18.5%	1,052	1,051	0	0.0%
19.8%	1,051	1,051	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,050	-1	-0.1%
24.7%	1,050	1,049	0	0.0%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,047	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,046	1,046	0	0.0%
35.8%	1,046	1,046	0	0.0%
37.0%	1,046	1,046	0	0.0%
38.3%	1,046	1,046	0	0.0%
39.5%	1,046	1,045	0	0.0%
40.7%	1,045	1,045	0	0.0%
42.0%	1,045	1,045	0	0.0%
43.2%	1,045	1,043	-2	-0.2%
44.4%	1,045	1,043	-2	-0.2%
45.7%	1,044	1,042	-2	-0.2%
46.9%	1,043	1,042	-2	-0.2%
48.1%	1,043	1,041	-2	-0.2%
49.4%	1,043	1,041	-2	-0.2%
50.6%	1,042	1,040	-2	-0.2%
51.9%	1,042	1,040	-2	-0.2%
53.1%	1,040	1,039	-1	-0.1%
54.3%	1,040	1,039	-1	-0.1%
55.6%	1,039	1,038	-1	-0.1%
56.8%	1,039	1,038	-1	-0.1%
58.0%	1,038	1,037	-1	-0.1%
59.3%	1,037	1,037	0	0.0%
60.5%	1,036	1,036	0	0.0%
61.7%	1,035	1,035	0	0.0%
63.0%	1,035	1,033	-2	-0.2%
64.2%	1,035	1,032	-2	-0.2%
65.4%	1,032	1,031	-1	-0.1%
66.7%	1,031	1,029	-1	-0.1%
67.9%	1,030	1,029	-1	-0.1%
69.1%	1,029	1,029	-1	-0.1%
70.4%	1,029	1,028	-1	-0.1%
71.6%	1,028	1,028	0	0.0%
72.8%	1,025	1,027	2	0.2%
74.1%	1,024	1,025	1	0.1%
75.3%	1,024	1,024	0	0.0%
76.5%	1,024	1,024	0	0.0%
77.8%	1,024	1,024	0	0.0%
79.0%	1,024	1,024	0	0.0%
80.2%	1,022	1,021	-1	0.0%
81.5%	1,018	1,021	3	0.3%
82.7%	1,011	1,020	9	0.9%
84.0%	1,010	1,017	8	0.7%
85.2%	1,007	1,016	9	0.9%
86.4%	1,006	1,015	9	0.9%
87.7%	1,005	1,015	9	0.9%
88.9%	1,002	1,010	8	0.8%
90.1%	999	999	0	0.0%
91.4%	983	998	15	1.5%
92.6%	973	990	17	1.7%
93.8%	956	965	9	0.9%
95.1%	950	963	13	1.4%
96.3%	936	942	6	0.6%
97.5%	926	940	14	1.5%
98.8%	922	940	18	1.9%
100.0%	921	937	16	1.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,066	-1	-0.1%
8.6%	1,067	1,066	-1	-0.1%
9.9%	1,066	1,066	0	0.0%
11.1%	1,065	1,065	0	0.0%
12.3%	1,065	1,065	0	0.0%
13.6%	1,065	1,065	0	0.0%
14.8%	1,065	1,065	0	0.0%
16.0%	1,064	1,065	0	0.0%
17.3%	1,064	1,064	0	0.0%
18.5%	1,064	1,064	0	0.0%
19.8%	1,064	1,064	0	0.0%
21.0%	1,063	1,064	0	0.0%
22.2%	1,063	1,063	0	0.0%
23.5%	1,063	1,063	0	0.0%
24.7%	1,063	1,063	0	0.0%
25.9%	1,063	1,063	0	0.0%
27.2%	1,062	1,062	0	0.0%
28.4%	1,062	1,062	0	0.0%
29.6%	1,061	1,062	0	0.0%
30.9%	1,061	1,061	0	0.0%
32.1%	1,061	1,059	-1	-0.1%
33.3%	1,059	1,059	0	0.0%
34.6%	1,059	1,059	0	0.0%
35.8%	1,059	1,059	0	0.0%
37.0%	1,059	1,058	-1	-0.1%
38.3%	1,059	1,058	-1	-0.1%
39.5%	1,059	1,058	-1	-0.1%
40.7%	1,058	1,058	0	0.0%
42.0%	1,058	1,057	-1	-0.1%
43.2%	1,058	1,056	-2	-0.2%
44.4%	1,058	1,056	-2	-0.2%
45.7%	1,057	1,055	-2	-0.1%
46.9%	1,055	1,055	0	0.0%
48.1%	1,055	1,055	0	0.0%
49.4%	1,054	1,053	0	0.0%
50.6%	1,053	1,053	0	0.0%
51.9%	1,052	1,052	0	0.0%
53.1%	1,052	1,052	0	0.0%
54.3%	1,051	1,051	0	0.0%
55.6%	1,051	1,050	-1	-0.1%
56.8%	1,050	1,049	-1	-0.1%
58.0%	1,050	1,049	-1	-0.1%
59.3%	1,050	1,049	-1	0.0%
60.5%	1,049	1,048	-1	-0.1%
61.7%	1,048	1,048	0	0.0%
63.0%	1,047	1,047	0	0.0%
64.2%	1,047	1,047	0	0.0%
65.4%	1,046	1,046	1	0.1%
66.7%	1,045	1,046	1	0.1%
67.9%	1,045	1,046	1	0.1%
69.1%	1,044	1,046	1	0.1%
70.4%	1,043	1,045	2	0.2%
71.6%	1,042	1,044	3	0.2%
72.8%	1,042	1,044	3	0.2%
74.1%	1,041	1,044	3	0.3%
75.3%	1,041	1,040	0	0.0%
76.5%	1,040	1,037	-3	-0.2%
77.8%	1,039	1,036	-2	-0.2%
79.0%	1,039	1,036	-3	-0.3%
80.2%	1,037	1,036	-2	-0.2%
81.5%	1,033	1,034	2	0.2%
82.7%	1,029	1,031	2	0.2%
84.0%	1,019	1,021	2	0.2%
85.2%	1,012	1,018	5	0.5%
86.4%	1,012	1,017	6	0.6%
87.7%	1,006	1,012	6	0.6%
88.9%	999	1,007	8	0.8%
90.1%	993	994	1	0.1%
91.4%	989	993	5	0.5%
92.6%	965	985	20	2.1%
93.8%	964	977	13	1.4%
95.1%	960	976	17	1.7%
96.3%	956	974	18	1.9%
97.5%	931	948	17	1.9%
98.8%	930	946	16	1.7%
100.0%	926	946	20	2.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,067	0	0.0%
28.4%	1,067	1,067	0	0.0%
29.6%	1,067	1,067	0	0.0%
30.9%	1,067	1,067	0	0.0%
32.1%	1,067	1,067	0	0.0%
33.3%	1,067	1,067	0	0.0%
34.6%	1,067	1,066	-1	-0.1%
35.8%	1,066	1,066	-1	-0.1%
37.0%	1,065	1,065	0	0.0%
38.3%	1,065	1,064	-1	-0.1%
39.5%	1,065	1,063	-1	-0.1%
40.7%	1,064	1,063	-1	-0.1%
42.0%	1,064	1,063	-1	-0.1%
43.2%	1,063	1,063	-1	-0.1%
44.4%	1,063	1,062	-1	-0.1%
45.7%	1,063	1,061	-1	-0.1%
46.9%	1,062	1,061	-1	-0.1%
48.1%	1,060	1,061	1	0.1%
49.4%	1,057	1,060	3	0.3%
50.6%	1,057	1,057	0	0.0%
51.9%	1,057	1,056	0	0.0%
53.1%	1,056	1,055	-1	-0.1%
54.3%	1,055	1,053	-2	-0.2%
55.6%	1,055	1,053	-2	-0.2%
56.8%	1,053	1,053	0	0.0%
58.0%	1,052	1,052	0	0.0%
59.3%	1,050	1,052	1	0.1%
60.5%	1,050	1,052	1	0.1%
61.7%	1,047	1,051	4	0.3%
63.0%	1,047	1,049	2	0.2%
64.2%	1,045	1,048	3	0.3%
65.4%	1,045	1,046	1	0.1%
66.7%	1,042	1,046	4	0.4%
67.9%	1,041	1,046	5	0.5%
69.1%	1,040	1,043	4	0.3%
70.4%	1,039	1,040	0	0.0%
71.6%	1,039	1,037	-2	-0.2%
72.8%	1,037	1,036	-1	-0.1%
74.1%	1,034	1,035	1	0.1%
75.3%	1,033	1,034	1	0.1%
76.5%	1,033	1,031	-2	-0.2%
77.8%	1,032	1,029	-2	-0.2%
79.0%	1,031	1,025	-5	-0.5%
80.2%	1,030	1,025	-5	-0.5%
81.5%	1,029	1,024	-5	-0.5%
82.7%	1,024	1,023	-1	-0.1%
84.0%	1,020	1,020	0	0.0%
85.2%	1,011	1,020	8	0.8%
86.4%	1,008	1,016	8	0.8%
87.7%	1,007	1,014	8	0.7%
88.9%	1,006	1,007	1	0.1%
90.1%	1,005	1,007	2	0.2%
91.4%	973	986	13	1.3%
92.6%	963	975	12	1.2%
93.8%	952	974	22	2.3%
95.1%	946	971	24	2.6%
96.3%	943	965	23	2.4%
97.5%	941	961	20	2.2%
98.8%	937	952	14	1.5%
100.0%	917	941	24	2.6%

Table SW-08-9b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,065	0	0.0%
1.2%	1,065	1,065	0	0.0%
2.5%	1,065	1,065	0	0.0%
3.7%	1,065	1,064	-1	-0.1%
4.9%	1,065	1,064	-1	-0.1%
6.2%	1,065	1,064	-2	-0.1%
7.4%	1,065	1,064	-2	-0.1%
8.6%	1,065	1,064	-2	-0.1%
9.9%	1,064	1,063	-1	-0.1%
11.1%	1,064	1,063	-1	-0.1%
12.3%	1,064	1,062	-1	-0.1%
13.6%	1,063	1,062	-1	-0.1%
14.8%	1,062	1,062	0	0.0%
16.0%	1,060	1,060	0	0.0%
17.3%	1,060	1,060	0	0.0%
18.5%	1,059	1,060	0	0.0%
19.8%	1,059	1,059	0	0.0%
21.0%	1,059	1,059	0	0.0%
22.2%	1,059	1,059	0	0.0%
23.5%	1,059	1,058	-1	-0.1%
24.7%	1,058	1,058	0	0.0%
25.9%	1,057	1,058	1	0.1%
27.2%	1,056	1,057	1	0.1%
28.4%	1,056	1,057	1	0.1%
29.6%	1,055	1,057	1	0.1%
30.9%	1,055	1,056	1	0.1%
32.1%	1,054	1,056	2	0.2%
33.3%	1,054	1,055	1	0.1%
34.6%	1,054	1,055	1	0.1%
35.8%	1,054	1,054	1	0.1%
37.0%	1,053	1,054	1	0.1%
38.3%	1,050	1,053	3	0.3%
39.5%	1,049	1,052	3	0.3%
40.7%	1,048	1,051	2	0.2%
42.0%	1,048	1,050	2	0.2%
43.2%	1,048	1,050	3	0.2%
44.4%	1,047	1,050	3	0.3%
45.7%	1,047	1,050	3	0.3%
46.9%	1,046	1,049	3	0.3%
48.1%	1,043	1,047	4	0.4%
49.4%	1,043	1,047	4	0.4%
50.6%	1,043	1,046	3	0.3%
51.9%	1,042	1,046	4	0.4%
53.1%	1,041	1,045	4	0.4%
54.3%	1,041	1,044	3	0.3%
55.6%	1,040	1,044	4	0.4%
56.8%	1,039	1,042	3	0.3%
58.0%	1,038	1,042	3	0.3%
59.3%	1,038	1,039	1	0.1%
60.5%	1,037	1,039	2	0.2%
61.7%	1,036	1,039	3	0.3%
63.0%	1,035	1,039	4	0.4%
64.2%	1,035	1,038	3	0.3%
65.4%	1,033	1,037	5	0.5%
66.7%	1,031	1,036	5	0.5%
67.9%	1,029	1,033	4	0.3%
69.1%	1,025	1,030	5	0.5%
70.4%	1,024	1,026	2	0.2%
71.6%	1,024	1,022	-2	-0.2%
72.8%	1,023	1,021	-2	-0.2%
74.1%	1,019	1,021	2	0.2%
75.3%	1,016	1,020	4	0.4%
76.5%	1,015	1,019	5	0.4%
77.8%	1,015	1,019	4	0.4%
79.0%	1,015	1,018	4	0.3%
80.2%	1,013	1,015	2	0.2%
81.5%	1,013	1,013	1	0.1%
82.7%	1,001	1,013	12	1.2%
84.0%	1,001	1,007	6	0.6%
85.2%	997	1,005	8	0.8%
86.4%	996	1,002	5	0.5%
87.7%	996	1,001	5	0.5%
88.9%	993	998	5	0.5%
90.1%	985	998	13	1.3%
91.4%	948	963	15	1.5%
92.6%	947	959	13	1.3%
93.8%	929	950	21	2.3%
95.1%	927	948	22	2.4%
96.3%	923	945	23	2.5%
97.5%	914	938	24	2.6%
98.8%	907	934	27	3.0%
100.0%	870	902	32	3.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,053	0	0.0%
2.5%	1,053	1,052	0	0.0%
3.7%	1,053	1,052	-1	-0.1%
4.9%	1,053	1,051	-2	-0.1%
6.2%	1,053	1,051	-2	-0.2%
7.4%	1,051	1,051	-1	0.0%
8.6%	1,051	1,051	0	0.0%
9.9%	1,050	1,050	0	0.0%
11.1%	1,049	1,050	1	0.1%
12.3%	1,049	1,049	1	0.1%
13.6%	1,048	1,047	-1	-0.1%
14.8%	1,047	1,047	0	0.0%
16.0%	1,046	1,046	0	0.0%
17.3%	1,046	1,046	0	0.0%
18.5%	1,045	1,045	0	0.0%
19.8%	1,045	1,044	-1	-0.1%
21.0%	1,045	1,044	-1	-0.1%
22.2%	1,044	1,043	-1	-0.1%
23.5%	1,042	1,040	-2	-0.2%
24.7%	1,038	1,040	2	0.2%
25.9%	1,037	1,039	2	0.2%
27.2%	1,036	1,039	3	0.3%
28.4%	1,036	1,039	3	0.2%
29.6%	1,036	1,039	3	0.3%
30.9%	1,035	1,037	2	0.2%
32.1%	1,034	1,036	3	0.3%
33.3%	1,033	1,036	3	0.3%
34.6%	1,033	1,036	3	0.3%
35.8%	1,031	1,035	3	0.3%
37.0%	1,031	1,033	2	0.2%
38.3%	1,027	1,032	5	0.5%
39.5%	1,026	1,031	5	0.5%
40.7%	1,024	1,031	7	0.7%
42.0%	1,024	1,031	7	0.7%
43.2%	1,024	1,029	5	0.5%
44.4%	1,023	1,028	5	0.5%
45.7%	1,023	1,028	5	0.5%
46.9%	1,023	1,026	3	0.3%
48.1%	1,023	1,025	2	0.2%
49.4%	1,022	1,025	2	0.2%
50.6%	1,022	1,025	3	0.3%
51.9%	1,021	1,024	3	0.3%
53.1%	1,021	1,024	3	0.3%
54.3%	1,021	1,023	3	0.3%
55.6%	1,018	1,023	5	0.5%
56.8%	1,017	1,020	3	0.3%
58.0%	1,015	1,020	5	0.5%
59.3%	1,015	1,020	5	0.5%
60.5%	1,015	1,018	3	0.3%
61.7%	1,014	1,017	4	0.4%
63.0%	1,013	1,016	4	0.4%
64.2%	1,012	1,015	3	0.3%
65.4%	1,011	1,014	3	0.3%
66.7%	1,008	1,013	5	0.5%
67.9%	1,005	1,010	5	0.5%
69.1%	1,005	1,010	5	0.5%
70.4%	1,001	1,006	5	0.5%
71.6%	1,001	1,005	4	0.4%
72.8%	999	1,004	5	0.5%
74.1%	996	1,003	7	0.7%
75.3%	996	1,003	7	0.7%
76.5%	994	1,001	7	0.7%
77.8%	994	998	5	0.5%
79.0%	992	998	7	0.7%
80.2%	989	998	9	0.9%
81.5%	988	996	8	0.8%
82.7%	978	991	13	1.3%
84.0%	978	985	7	0.7%
85.2%	976	983	7	0.7%
86.4%	971	980	9	0.9%
87.7%	970	979	8	0.9%
88.9%	967	978	11	1.2%
90.1%	956	974	18	1.9%
91.4%	925	937	12	1.3%
92.6%	919	932	14	1.5%
93.8%	910	932	22	2.4%
95.1%	897	916	19	2.2%
96.3%	887	911	24	2.7%
97.5%	872	910	38	4.4%
98.8%	846	905	59	7.0%
100.0%	842	868	27	3.2%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,036	1,036	0	0.0%
3.7%	1,036	1,036	0	0.0%
4.9%	1,036	1,036	0	0.0%
6.2%	1,036	1,036	0	0.0%
7.4%	1,036	1,036	0	0.0%
8.6%	1,036	1,036	0	0.0%
9.9%	1,036	1,036	0	0.0%
11.1%	1,036	1,036	0	0.0%
12.3%	1,036	1,036	0	0.0%
13.6%	1,036	1,036	0	0.0%
14.8%	1,036	1,036	0	0.0%
16.0%	1,036	1,036	0	0.0%
17.3%	1,034	1,035	1	0.1%
18.5%	1,034	1,034	0	0.0%
19.8%	1,033	1,034	1	0.1%
21.0%	1,032	1,031	0	0.0%
22.2%	1,031	1,030	-1	-0.1%
23.5%	1,029	1,029	0	0.0%
24.7%	1,024	1,029	5	0.5%
25.9%	1,024	1,029	6	0.6%
27.2%	1,023	1,029	7	0.6%
28.4%	1,022	1,029	7	0.7%
29.6%	1,021	1,029	8	0.8%
30.9%	1,021	1,026	6	0.6%
32.1%	1,020	1,025	5	0.4%
33.3%	1,019	1,025	6	0.6%
34.6%	1,018	1,024	5	0.5%
35.8%	1,017	1,023	6	0.6%
37.0%	1,015	1,020	5	0.5%
38.3%	1,015	1,020	5	0.5%
39.5%	1,015	1,020	5	0.5%
40.7%	1,011	1,019	8	0.8%
42.0%	1,011	1,017	6	0.6%
43.2%	1,010	1,015	5	0.5%
44.4%	1,009	1,015	5	0.5%
45.7%	1,009	1,013	4	0.4%
46.9%	1,009	1,012	4	0.4%
48.1%	1,008	1,012	4	0.4%
49.4%	1,007	1,011	4	0.4%
50.6%	1,007	1,010	3	0.3%
51.9%	1,004	1,010	6	0.6%
53.1%	1,004	1,009	6	0.6%
54.3%	1,003	1,008	5	0.5%
55.6%	1,003	1,007	4	0.4%
56.8%	1,002	1,006	5	0.5%
58.0%	1,002	1,006	4	0.4%
59.3%	1,000	1,006	6	0.6%
60.5%	1,000	1,005	5	0.5%
61.7%	1,000	1,004	4	0.4%
63.0%	997	1,004	7	0.7%
64.2%	995	1,003	8	0.8%
65.4%	993	1,001	8	0.8%
66.7%	993	1,000	7	0.7%
67.9%	992	999	8	0.8%
69.1%	991	996	6	0.6%
70.4%	990	995	4	0.4%
71.6%	990	993	3	0.3%
72.8%	989	992	3	0.3%
74.1%	988	992	4	0.4%
75.3%	983	992	9	0.9%
76.5%	981	990	9	0.9%
77.8%	980	987	7	0.7%
79.0%	972	986	14	1.5%
80.2%	965	982	17	1.7%
81.5%	964	981	17	1.7%
82.7%	961	969	8	0.8%
84.0%	958	969	10	1.1%
85.2%	957	964	7	0.7%
86.4%	952	960	8	0.9%
87.7%	945	959	14	1.5%
88.9%	941	948	7	0.8%
90.1%	940	943	3	0.3%
91.4%	904	916	12	1.3%
92.6%	897	916	18	2.0%
93.8%	889	914	25	2.8%
95.1%	857	888	30	3.5%
96.3%	845	886	41	4.8%
97.5%	836	878	42	5.1%
98.8%	834	869	35	4.1%
100.0%	834	839	4	0.5%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,023	1,023	0	0.0%
4.9%	1,023	1,023	0	0.0%
6.2%	1,023	1,023	0	0.0%
7.4%	1,023	1,023	1	0.1%
8.6%	1,023	1,023	1	0.1%
9.9%	1,022	1,023	1	0.1%
11.1%	1,022	1,023	1	0.1%
12.3%	1,022	1,023	1	0.1%
13.6%	1,021	1,023	2	0.2%
14.8%	1,021	1,023	2	0.2%
16.0%	1,021	1,023	2	0.2%
17.3%	1,021	1,022	2	0.2%
18.5%	1,017	1,022	5	0.5%
19.8%	1,016	1,021	4	0.4%
21.0%	1,016	1,021	4	0.4%
22.2%	1,015	1,020	5	0.5%
23.5%	1,015	1,018	3	0.3%
24.7%	1,014	1,018	3	0.3%
25.9%	1,013	1,017	4	0.4%
27.2%	1,013	1,017	4	0.4%
28.4%	1,012	1,016	3	0.3%
29.6%	1,012	1,015	3	0.3%
30.9%	1,011	1,015	4	0.4%
32.1%	1,010	1,015	5	0.5%
33.3%	1,009	1,015	5	0.5%
34.6%	1,009	1,014	5	0.5%
35.8%	1,007	1,014	7	0.7%
37.0%	1,007	1,014	7	0.7%
38.3%	1,005	1,013	7	0.7%
39.5%	1,005	1,011	6	0.6%
40.7%	1,005	1,010	6	0.6%
42.0%	1,004	1,010	6	0.6%
43.2%	1,004	1,010	6	0.6%
44.4%	1,003	1,009	6	0.6%
45.7%	1,003	1,008	5	0.5%
46.9%	1,003	1,008	6	0.6%
48.1%	1,002	1,008	6	0.6%
49.4%	1,001	1,007	6	0.6%
50.6%	999	1,007	7	0.7%
51.9%	999	1,006	7	0.7%
53.1%	999	1,006	7	0.7%
54.3%	998	1,004	6	0.6%
55.6%	998	1,003	5	0.5%
56.8%	997	1,002	5	0.5%
58.0%	997	1,001	4	0.4%
59.3%	993	1,001	7	0.7%
60.5%	991	1,000	8	0.8%
61.7%	991	998	7	0.7%
63.0%	991	998	7	0.7%
64.2%	990	994	4	0.4%
65.4%	989	994	5	0.5%
66.7%	987	994	6	0.6%
67.9%	987	993	7	0.7%
69.1%	986	992	6	0.6%
70.4%	986	992	6	0.6%
71.6%	984	990	7	0.7%
72.8%	978	990	11	1.2%
74.1%	975	989	15	1.5%
75.3%	975	987	12	1.3%
76.5%	974	985	12	1.2%
77.8%	969	980	11	1.1%
79.0%	969	979	10	1.0%
80.2%	969	977	9	0.9%
81.5%	961	977	16	1.7%
82.7%	961	969	8	0.8%
84.0%	959	968	9	1.0%
85.2%	952	959	7	0.8%
86.4%	950	955	5	0.5%
87.7%	933	950	17	1.8%
88.9%	933	945	12	1.3%
90.1%	932	939	6	0.7%
91.4%	895	910	15	1.7%
92.6%	879	908	28	3.2%
93.8%	879	904	26	2.9%
95.1%	845	877	32	3.8%
96.3%	837	877	40	4.8%
97.5%	834	875	40	4.8%
98.8%	834	863	29	3.5%
100.0%	834	834	0	0.0%

Table SW-09-9a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	19,972	19,920	20,851	22,373	23,869	25,646	26,994	27,105	25,614	23,168	21,388	20,385
Alternative D	20,701	20,592	21,244	22,627	23,942	25,797	27,173	27,319	26,041	23,757	22,081	21,168
Difference	730	672	393	254	72	150	179	215	427	589	693	782
Percent Difference[3]	3.7%	3.4%	1.9%	1.1%	0.3%	0.6%	0.7%	0.8%	1.7%	2.5%	3.2%	3.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	22,859	22,280	23,111	24,815	25,936	26,966	28,988	29,659	28,849	26,971	25,363	23,307
Alternative D	23,145	22,712	23,176	24,841	25,845	26,952	28,983	29,643	28,846	27,076	25,606	23,721
Difference	286	432	65	25	-91	-14	-5	-16	-3	105	243	414
Percent Difference	1.3%	1.9%	0.3%	0.1%	-0.4%	-0.1%	0.0%	-0.1%	0.0%	0.4%	1.0%	1.8%
Above Normal (15%)												
No Action Alternative	22,331	21,976	22,897	23,199	24,734	27,400	29,350	29,678	28,136	25,475	23,658	22,781
Alternative D	22,972	22,457	22,978	23,380	24,606	27,358	29,281	29,593	28,286	25,747	24,250	23,484
Difference	641	481	81	181	-128	-42	-69	-85	150	272	592	703
Percent Difference	2.9%	2.2%	0.4%	0.8%	-0.5%	-0.2%	-0.2%	-0.3%	0.5%	1.1%	2.5%	3.1%
Below Normal (17%)												
No Action Alternative	21,746	22,157	22,612	22,184	24,115	26,049	27,845	27,993	26,497	23,920	22,134	21,827
Alternative D	22,135	22,355	22,550	22,396	24,135	26,119	27,885	28,042	26,783	24,292	22,650	22,330
Difference	390	198	-62	211	20	70	40	49	286	371	516	503
Percent Difference	1.8%	0.9%	-0.3%	1.0%	0.1%	0.3%	0.1%	0.2%	1.1%	1.6%	2.3%	2.3%
Dry (22%)												
No Action Alternative	18,811	19,296	20,675	21,526	23,483	25,892	26,609	26,219	24,320	21,634	19,733	19,321
Alternative D	20,070	20,370	21,465	21,774	23,517	26,094	26,825	26,441	24,986	22,526	20,757	20,398
Difference	1,259	1,074	790	248	34	202	215	222	665	893	1,024	1,078
Percent Difference	6.7%	5.6%	3.8%	1.2%	0.1%	0.8%	0.8%	0.8%	2.7%	4.1%	5.2%	5.6%
Critical (15%)												
No Action Alternative	11,030	11,080	12,116	17,748	18,821	20,197	19,905	19,288	16,995	14,048	12,117	11,572
Alternative D	12,410	12,412	13,465	18,628	19,565	20,912	20,834	20,482	18,439	15,800	13,599	13,116
Difference	1,381	1,331	1,349	880	745	715	929	1,194	1,445	1,752	1,482	1,543
Percent Difference	12.5%	12.0%	11.1%	5.0%	4.0%	3.5%	4.7%	6.2%	8.5%	12.5%	12.2%	13.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

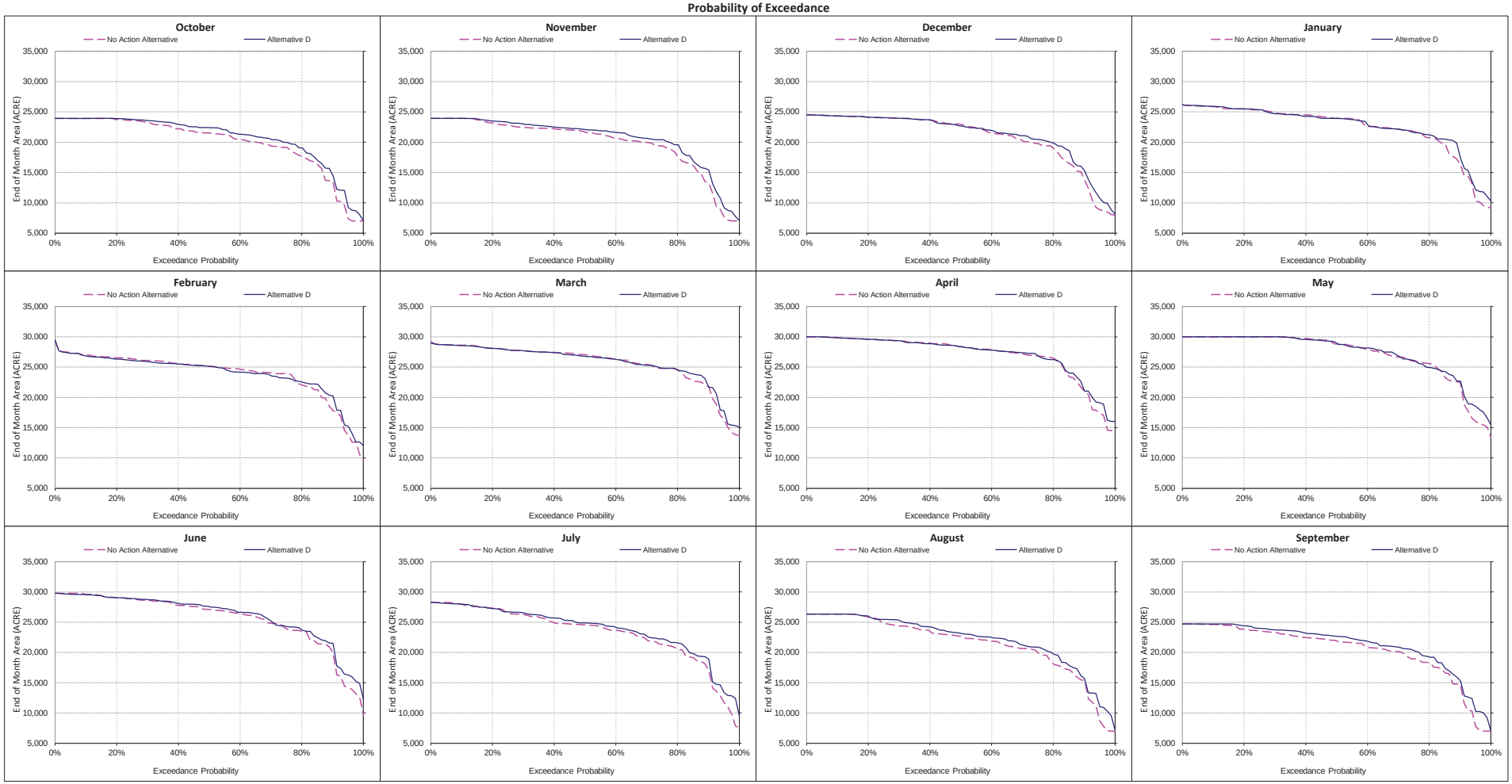

Table SW-09-9b

Shasta Lake, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,927	0	0.0%
8.6%	23,927	23,927	0	0.0%
9.9%	23,927	23,927	0	0.0%
11.1%	23,927	23,927	0	0.0%
12.3%	23,927	23,927	0	0.0%
13.6%	23,927	23,927	0	0.0%
14.8%	23,927	23,927	0	0.0%
16.0%	23,927	23,927	0	0.0%
17.3%	23,927	23,927	0	0.0%
18.5%	23,927	23,927	0	0.0%
19.8%	23,751	23,927	175	0.7%
21.0%	23,712	23,905	192	0.8%
22.2%	23,705	23,874	169	0.7%
23.5%	23,649	23,856	206	0.9%
24.7%	23,583	23,813	230	1.0%
25.9%	23,572	23,706	134	0.6%
27.2%	23,514	23,679	165	0.7%
28.4%	23,447	23,667	220	0.9%
29.6%	23,240	23,580	341	1.5%
30.9%	23,179	23,572	394	1.7%
32.1%	22,915	23,504	589	2.6%
33.3%	22,887	23,408	521	2.3%
34.6%	22,846	23,388	543	2.4%
35.8%	22,765	23,299	533	2.3%
37.0%	22,747	23,297	550	2.4%
38.3%	22,304	23,167	863	3.9%
39.5%	22,223	22,996	773	3.5%
40.7%	22,222	22,864	643	2.9%
42.0%	21,904	22,839	935	4.3%
43.2%	21,876	22,584	708	3.2%
44.4%	21,858	22,568	710	3.2%
45.7%	21,653	22,554	901	4.2%
46.9%	21,586	22,441	855	4.0%
48.1%	21,545	22,430	884	4.1%
49.4%	21,542	22,404	863	4.0%
50.6%	21,500	22,379	879	4.1%
51.9%	21,392	22,364	972	4.5%
53.1%	21,359	22,357	998	4.7%
54.3%	21,300	22,109	809	3.8%
55.6%	21,300	22,032	733	3.4%
56.8%	21,038	21,549	512	2.4%
58.0%	20,572	21,514	942	4.6%
59.3%	20,507	21,346	839	4.1%
60.5%	20,445	21,290	846	4.1%
61.7%	20,290	21,233	943	4.6%
63.0%	20,132	21,228	1,096	5.4%
64.2%	20,118	21,035	917	4.6%
65.4%	19,999	20,868	869	4.3%
66.7%	19,926	20,847	921	4.6%
67.9%	19,624	20,695	1,071	5.5%
69.1%	19,584	20,651	1,067	5.5%
70.4%	19,332	20,434	1,102	5.7%
71.6%	19,306	20,421	1,114	5.8%
72.8%	19,175	20,273	1,098	5.7%
74.1%	19,175	19,977	802	4.2%
75.3%	19,134	19,939	805	4.2%
76.5%	18,569	19,691	1,122	6.0%
77.8%	18,176	19,659	1,483	8.2%
79.0%	17,868	19,103	1,235	6.9%
80.2%	17,645	19,052	1,407	8.0%
81.5%	17,279	18,241	962	5.6%
82.7%	16,917	18,107	1,190	7.0%
84.0%	16,784	17,620	835	5.0%
85.2%	16,267	16,999	731	4.5%
86.4%	15,617	16,479	862	5.5%
87.7%	13,729	15,738	2,009	14.6%
88.9%	13,662	15,683	2,021	14.8%
90.1%	13,495	14,450	955	7.1%
91.4%	10,270	12,190	1,920	18.7%
92.6%	10,218	12,083	1,865	18.3%
93.8%	9,580	12,035	2,455	25.6%
95.1%	7,356	9,222	1,866	25.4%
96.3%	7,002	8,769	1,767	25.2%
97.5%	7,002	8,703	1,701	24.3%
98.8%	7,002	8,004	1,003	14.3%
100.0%	7,002	7,002	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,937	23,937	0	0.0%
9.9%	23,937	23,937	0	0.0%
11.1%	23,937	23,937	0	0.0%
12.3%	23,937	23,929	-8	0.0%
13.6%	23,937	23,880	-57	-0.2%
14.8%	23,732	23,876	144	0.6%
16.0%	23,626	23,742	116	0.5%
17.3%	23,409	23,659	251	1.1%
18.5%	23,244	23,598	354	1.5%
19.8%	23,177	23,509	332	1.4%
21.0%	23,130	23,459	329	1.4%
22.2%	22,919	23,431	512	2.2%
23.5%	22,851	23,383	531	2.3%
24.7%	22,836	23,335	499	2.2%
25.9%	22,695	23,181	486	2.1%
27.2%	22,599	23,151	552	2.4%
28.4%	22,525	23,130	604	2.7%
29.6%	22,520	23,054	534	2.4%
30.9%	22,411	22,940	528	2.4%
32.1%	22,391	22,919	528	2.4%
33.3%	22,346	22,821	475	2.1%
34.6%	22,344	22,786	442	2.0%
35.8%	22,306	22,714	407	1.8%
37.0%	22,297	22,685	388	1.7%
38.3%	22,283	22,590	307	1.4%
39.5%	22,234	22,497	262	1.2%
40.7%	22,153	22,484	331	1.5%
42.0%	22,094	22,442	348	1.6%
43.2%	22,084	22,385	300	1.4%
44.4%	22,024	22,347	322	1.5%
45.7%	21,990	22,247	257	1.2%
46.9%	21,942	22,237	296	1.3%
48.1%	21,921	22,216	295	1.3%
49.4%	21,783	22,148	365	1.7%
50.6%	21,584	22,046	462	2.1%
51.9%	21,567	22,009	441	2.0%
53.1%	21,418	22,006	588	2.7%
54.3%	21,331	21,909	579	2.7%
55.6%	21,314	21,889	575	2.7%
56.8%	21,068	21,873	805	3.8%
58.0%	20,969	21,695	726	3.5%
59.3%	20,720	21,664	944	4.6%
60.5%	20,615	21,570	955	4.6%
61.7%	20,500	21,556	1,056	5.2%
63.0%	20,347	21,489	1,142	5.6%
64.2%	20,260	21,130	871	4.3%
65.4%	20,215	20,954	739	3.7%
66.7%	20,214	20,829	615	3.0%
67.9%	20,070	20,737	667	3.3%
69.1%	19,985	20,660	676	3.4%
70.4%	19,935	20,608	674	3.4%
71.6%	19,838	20,493	655	3.3%
72.8%	19,415	20,433	1,018	5.2%
74.1%	19,404	20,411	1,006	5.2%
75.3%	19,385	20,400	1,015	5.2%
76.5%	19,041	20,119	1,078	5.7%
77.8%	18,832	19,908	1,076	5.7%
79.0%	18,416	19,557	1,142	6.2%
80.2%	17,489	19,556	2,067	11.8%
81.5%	16,868	18,281	1,413	8.4%
82.7%	16,634	17,818	1,185	7.1%
84.0%	16,529	17,763	1,235	7.5%
85.2%	16,098	16,812	714	4.4%
86.4%	15,225	16,269	1,044	6.9%
87.7%	14,745	15,811	1,066	7.2%
88.9%	13,502	15,667	2,166	16.0%
90.1%	13,207	15,418	2,211	16.7%
91.4%	11,571	13,186	1,616	14.0%
92.6%	9,329	11,800	2,471	26.5%
93.8%	8,874	10,774	1,900	21.4%
95.1%	7,685	9,181	1,496	19.5%
96.3%	7,146	8,792	1,645	23.0%
97.5%	7,018	8,551	1,533	21.8%
98.8%	7,002	7,746	745	10.6%
100.0%	7,002	7,050	48	0.7%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,552	24,514	-37	-0.2%
1.2%	24,514	24,514	0	0.0%
2.5%	24,461	24,455	-5	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,455	24,439	-16	-0.1%
6.2%	24,439	24,397	-43	-0.2%
7.4%	24,397	24,381	-16	-0.1%
8.6%	24,381	24,343	-37	-0.2%
9.9%	24,356	24,311	-44	-0.2%
11.1%	24,343	24,295	-48	-0.2%
12.3%	24,311	24,284	-27	-0.1%
13.6%	24,295	24,280	-16	-0.1%
14.8%	24,284	24,279	-5	0.0%
16.0%	24,279	24,267	-12	0.0%
17.3%	24,247	24,247	0	0.0%
18.5%	24,180	24,226	46	0.2%
19.8%	24,156	24,156	0	0.0%
21.0%	24,114	24,147	34	0.1%
22.2%	24,065	24,114	48	0.2%
23.5%	24,054	24,113	59	0.2%
24.7%	24,018	24,065	47	0.2%
25.9%	24,017	24,017	0	0.0%
27.2%	24,007	24,009	2	0.0%
28.4%	23,992	24,007	15	0.1%
29.6%	23,938	23,938	0	0.0%
30.9%	23,937	23,937	0	0.0%
32.1%	23,937	23,937	0	0.0%
33.3%	23,921	23,881	-40	-0.2%
34.6%	23,887	23,821	-67	-0.3%
35.8%	23,825	23,748	-77	-0.3%
37.0%	23,734	23,738	4	0.0%
38.3%	23,694	23,724	30	0.1%
39.5%	23,682	23,710	28	0.1%
40.7%	23,627	23,596	-31	-0.1%
42.0%	23,486	23,200	-287	-1.2%
43.2%	23,249	23,079	-169	-0.7%
44.4%	23,198	23,058	-140	-0.6%
45.7%	23,055	23,025	-30	-0.1%
46.9%	23,038	22,970	-68	-0.3%
48.1%	23,017	22,900	-117	-0.5%
49.4%	23,006	22,736	-270	-1.2%
50.6%	22,890	22,636	-254	-1.1%
51.9%	22,618	22,521	-96	-0.4%
53.1%	22,542	22,390	-152	-0.7%
54.3%	22,480	22,374	-106	-0.5%
55.6%	22,268	22,317	49	0.2%
56.8%	22,170	22,301	131	0.6%
58.0%	21,863	22,053	189	0.9%
59.3%	21,545	21,995	450	2.1%
60.5%	21,478	21,900	422	2.0%
61.7%	21,387	21,593	205	1.0%
63.0%	21,365	21,517	152	0.7%
64.2%	21,199	21,486	287	1.4%
65.4%	21,140	21,375	235	1.1%
66.7%	21,051	21,335	284	1.3%
67.9%	20,588	21,283	695	3.4%
69.1%	20,552	21,072	520	2.5%
70.4%	20,107	21,070	963	4.8%
71.6%	20,071	21,003	932	4.6%
72.8%	19,890	20,592	702	3.5%
74.1%	19,828	20,515	688	3.5%
75.3%	19,732	20,400	668	3.4%
76.5%	19,407	20,387	979	5.0%
77.8%	19,403	20,221	818	4.2%
79.0%	19,394	19,974	580	3.0%
80.2%	18,910	19,844	934	4.9%
81.5%	18,234	19,412	1,178	6.5%
82.7%	17,431	19,313	1,882	10.8%
84.0%	16,806	18,901	2,095	12.5%
85.2%	16,478	18,615	2,137	13.0%
86.4%	16,058	16,772	714	4.4%
87.7%	15,251	16,144	893	5.9%
88.9%	15,129	16,079	950	6.3%
90.1%	13,789	15,305	1,516	11.0%
91.4%	12,387	13,855	1,469	11.9%
92.6%	10,483	12,666	2,182	20.8%
93.8%	9,243	11,709	2,466	26.7%
95.1%	8,852	10,750	1,898	21.4%
96.3%	8,637	10,070	1,433	16.6%
97.5%	8,457	9,909	1,452	17.2%
98.8%	8,071	8,872	802	9.9%
100.0%	7,967	8,129	162	2.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,215	26,160	-56	-0.2%
1.2%	26,063	26,102	39	0.1%
2.5%	26,053	26,086	34	0.1%
3.7%	26,011	26,063	53	0.2%
4.9%	25,972	26,053	81	0.3%
6.2%	25,926	26,011	84	0.3%
7.4%	25,925	25,987	63	0.2%
8.6%	25,914	25,925	11	0.0%
9.9%	25,882	25,914	32	0.1%
11.1%	25,818	25,882	64	0.2%
12.3%	25,640	25,874	234	0.9%
13.6%	25,551	25,818	267	1.0%
14.8%	25,540	25,598	58	0.2%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,540	5	0.0%
18.5%	25,527	25,535	8	0.0%
19.8%	25,481	25,525	44	0.2%
21.0%	25,428	25,481	53	0.2%
22.2%	25,412	25,428	16	0.1%
23.5%	25,343	25,412	68	0.3%
24.7%	25,342	25,343	1	0.0%
25.9%	25,206	25,342	137	0.5%
27.2%	25,128	25,014	-114	-0.5%
28.4%	25,056	24,849	-207	-0.8%
29.6%	24,969	24,728	-241	-1.0%
30.9%	24,750	24,677	-73	-0.3%
32.1%	24,679	24,669	-10	0.0%
33.3%	24,669	24,573	-96	-0.4%
34.6%	24,634	24,557	-77	-0.3%
35.8%	24,573	24,546	-27	-0.1%
37.0%	24,557	24,504	-53	-0.2%
38.3%	24,546	24,399	-147	-0.6%
39.5%	24,505	24,284	-221	-0.9%
40.7%	24,504	24,269	-234	-1.0%
42.0%	24,399	24,263	-137	-0.6%
43.2%	24,334	24,168	-166	-0.7%
44.4%	24,284	23,996	-289	-1.2%
45.7%	24,174	23,938	-237	-1.0%
46.9%	24,121	23,938	-183	-0.8%
48.1%	24,061	23,937	-123	-0.5%
49.4%	23,938	23,937	-1	0.0%
50.6%	23,938	23,937	-1	0.0%
51.9%	23,937	23,880	-57	-0.2%
53.1%	23,937	23,835	-102	-0.4%
54.3%	23,937	23,780	-157	-0.7%
55.6%	23,807	23,724	-93	-0.3%
56.8%	23,787	23,600	-186	-0.8%
58.0%	23,384	23,503	119	0.5%
59.3%	22,694	23,445	750	3.3%
60.5%	22,684	22,604	-80	-0.4%
61.7%	22,583	22,586	4	0.0%
63.0%	22,484	22,552	67	0.3%
64.2%	22,461	22,335	-126	-0.6%
65.4%	22,411	22,300	-112	-0.5%
66.7%	22,378	22,269	-109	-0.5%
67.9%	22,258	22,228	-30	-0.1%
69.1%	22,184	22,225	42	0.2%
70.4%	22,124	22,126	2	0.0%
71.6%	22,024	21,993	-31	-0.1%
72.8%	22,001	21,959	-42	-0.2%
74.1%	21,934	21,712	-222	-1.0%
75.3%	21,714	21,595	-118	-0.5%
76.5%	21,466	21,568	102	0.5%
77.8%	21,252	21,367	115	0.5%
79.0%	20,785	21,250	465	2.2%
80.2%	20,753	21,204	451	2.2%
81.5%	20,693	21,007	314	1.5%
82.7%	20,327	20,533	206	1.0%
84.0%	19,862	20,530	669	3.4%
85.2%	19,767	20,491	724	3.7%
86.4%	18,091	20,358	2,266	12.5%
87.7%	17,646	20,294	2,647	15.0%
88.9%	17,282	19,830	2,548	14.7%
90.1%	16,310	17,301	991	6.1%
91.4%	14,444	15,676	1,232	8.5%
92.6%	14,361	15,320	959	6.7%
93.8%	13,245	13,584	340	2.6%
95.1%	10,267	12,113	1,846	18.0%
96.3%	10,157	11,887	1,730	17.0%
97.5%	9,584	11,780	2,195	22.9%
98.8%	9,316	11,033	1,718	18.4%
100.0%	9,137	10,258	1,121	12.3%

Table SW-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,489	29,487	-2	0.0%
1.2%	27,607	27,721	114	0.4%
2.5%	27,571	27,483	-87	-0.3%
3.7%	27,482	27,391	-91	-0.3%
4.9%	27,391	27,288	-103	-0.4%
6.2%	27,288	27,283	-5	0.0%
7.4%	27,262	27,262	0	0.0%
8.6%	27,103	26,979	-123	-0.5%
9.9%	26,979	26,860	-119	-0.4%
11.1%	26,979	26,748	-231	-0.9%
12.3%	26,796	26,677	-119	-0.4%
13.6%	26,748	26,675	-73	-0.3%
14.8%	26,717	26,651	-66	-0.2%
16.0%	26,675	26,527	-148	-0.6%
17.3%	26,674	26,512	-162	-0.6%
18.5%	26,651	26,382	-269	-1.0%
19.8%	26,527	26,333	-193	-0.7%
21.0%	26,512	26,298	-213	-0.8%
22.2%	26,505	26,252	-253	-1.0%
23.5%	26,489	26,197	-292	-1.1%
24.7%	26,400	26,122	-278	-1.1%
25.9%	26,298	26,085	-214	-0.8%
27.2%	26,197	25,989	-208	-0.8%
28.4%	26,122	25,964	-158	-0.6%
29.6%	26,085	25,936	-148	-0.6%
30.9%	26,085	25,848	-236	-0.9%
32.1%	26,047	25,757	-291	-1.1%
33.3%	26,022	25,677	-345	-1.3%
34.6%	25,989	25,653	-335	-1.3%
35.8%	25,988	25,634	-354	-1.4%
37.0%	25,778	25,620	-158	-0.6%
38.3%	25,634	25,583	-51	-0.2%
39.5%	25,620	25,565	-55	-0.2%
40.7%	25,583	25,468	-115	-0.4%
42.0%	25,453	25,422	-31	-0.1%
43.2%	25,422	25,348	-75	-0.3%
44.4%	25,348	25,310	-38	-0.1%
45.7%	25,343	25,279	-64	-0.3%
46.9%	25,279	25,250	-29	-0.1%
48.1%	25,270	25,239	-31	-0.1%
49.4%	25,155	25,155	0	0.0%
50.6%	25,100	25,115	15	0.1%
51.9%	25,059	25,059	0	0.0%
53.1%	24,893	24,893	0	0.0%
54.3%	24,851	24,851	0	0.0%
55.6%	24,836	24,504	-332	-1.3%
56.8%	24,783	24,319	-464	-1.9%
58.0%	24,740	24,245	-495	-2.0%
59.3%	24,711	24,178	-532	-2.2%
60.5%	24,582	24,151	-431	-1.8%
61.7%	24,566	24,130	-436	-1.8%
63.0%	24,415	24,095	-320	-1.3%
64.2%	24,339	23,937	-402	-1.7%
65.4%	24,151	23,937	-214	-0.9%
66.7%	24,131	23,937	-194	-0.8%
67.9%	24,130	23,928	-202	-0.8%
69.1%	24,095	23,793	-301	-1.3%
70.4%	24,047	23,493	-554	-2.3%
71.6%	23,938	23,473	-465	-1.9%
72.8%	23,937	23,222	-715	-3.0%
74.1%	23,937	23,211	-726	-3.0%
75.3%	23,937	23,170	-767	-3.2%
76.5%	23,752	23,066	-685	-2.9%
77.8%	22,982	22,710	-272	-1.2%
79.0%	22,256	22,661	405	1.8%
80.2%	22,005	22,489	484	2.2%
81.5%	21,840	22,324	484	2.2%
82.7%	21,815	22,232	417	1.9%
84.0%	21,272	22,231	958	4.5%
85.2%	21,232	22,185	953	4.5%
86.4%	19,969	21,422	1,453	7.3%
87.7%	19,866	20,762	896	4.5%
88.9%	18,551	20,378	1,827	9.8%
90.1%	17,794	20,266	2,472	13.9%
91.4%	17,560	17,900	340	1.9%
92.6%	16,910	17,878	968	5.7%
93.8%	14,547	15,492	946	6.5%
95.1%	13,783	15,233	1,450	10.5%
96.3%	12,620	14,060	1,440	11.4%
97.5%	12,598	12,676	78	0.6%
98.8%	10,583	12,631	2,048	19.4%
100.0%	9,614	12,058	2,444	25.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,239	28,952	-287	-1.0%
1.2%	28,833	28,833	0	0.0%
2.5%	28,803	28,715	-88	-0.3%
3.7%	28,730	28,700	-30	-0.1%
4.9%	28,715	28,687	-28	-0.1%
6.2%	28,700	28,614	-86	-0.3%
7.4%	28,687	28,603	-84	-0.3%
8.6%	28,614	28,601	-13	0.0%
9.9%	28,603	28,580	-23	-0.1%
11.1%	28,601	28,556	-45	-0.2%
12.3%	28,584	28,532	-51	-0.2%
13.6%	28,580	28,484	-96	-0.3%
14.8%	28,484	28,384	-100	-0.4%
16.0%	28,326	28,326	0	0.0%
17.3%	28,185	28,185	0	0.0%
18.5%	28,163	28,138	-25	-0.1%
19.8%	28,138	28,086	-51	-0.2%
21.0%	28,086	28,082	-4	0.0%
22.2%	28,082	28,044	-38	-0.1%
23.5%	28,001	27,936	-65	-0.2%
24.7%	27,936	27,882	-54	-0.2%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,723	27,723	0	0.0%
30.9%	27,674	27,674	0	0.0%
32.1%	27,631	27,631	0	0.0%
33.3%	27,546	27,546	0	0.0%
34.6%	27,527	27,527	0	0.0%
35.8%	27,501	27,501	0	0.0%
37.0%	27,481	27,481	0	0.0%
38.3%	27,444	27,430	-15	-0.1%
39.5%	27,430	27,414	-16	-0.1%
40.7%	27,387	27,374	-13	0.0%
42.0%	27,374	27,325	-49	-0.2%
43.2%	27,374	27,089	-285	-1.0%
44.4%	27,317	27,086	-230	-0.8%
45.7%	27,279	26,990	-290	-1.1%
46.9%	27,166	26,974	-192	-0.7%
48.1%	27,093	26,862	-231	-0.9%
49.4%	27,086	26,832	-255	-0.9%
50.6%	27,025	26,752	-273	-1.0%
51.9%	26,953	26,734	-219	-0.8%
53.1%	26,761	26,592	-170	-0.6%
54.3%	26,752	26,584	-167	-0.6%
55.6%	26,679	26,521	-158	-0.6%
56.8%	26,584	26,480	-105	-0.4%
58.0%	26,483	26,347	-135	-0.5%
59.3%	26,345	26,344	-1	0.0%
60.5%	26,267	26,234	-34	-0.1%
61.7%	26,160	26,153	-7	0.0%
63.0%	26,153	25,920	-232	-0.9%
64.2%	26,103	25,822	-281	-1.1%
65.4%	25,738	25,634	-104	-0.4%
66.7%	25,626	25,444	-182	-0.7%
67.9%	25,492	25,421	-71	-0.3%
69.1%	25,475	25,368	-107	-0.4%
70.4%	25,444	25,283	-161	-0.6%
71.6%	25,283	25,260	-23	-0.1%
72.8%	24,915	25,139	224	0.9%
74.1%	24,816	24,915	99	0.4%
75.3%	24,813	24,816	3	0.0%
76.5%	24,813	24,813	0	0.0%
77.8%	24,813	24,813	0	0.0%
79.0%	24,777	24,813	36	0.1%
80.2%	24,509	24,446	-63	-0.3%
81.5%	24,054	24,399	345	1.4%
82.7%	23,193	24,284	1,090	4.7%
84.0%	23,052	23,979	927	4.0%
85.2%	22,689	23,838	1,149	5.1%
86.4%	22,625	23,719	1,094	4.8%
87.7%	22,509	23,646	1,137	5.1%
88.9%	22,119	23,097	979	4.4%
90.1%	21,730	21,683	-47	-0.2%
91.4%	19,789	21,612	1,823	9.2%
92.6%	18,797	20,599	1,802	9.6%
93.8%	17,021	17,925	904	5.3%
95.1%	16,417	17,776	1,359	8.3%
96.3%	15,034	15,601	567	3.8%
97.5%	14,218	15,442	1,225	8.6%
98.8%	13,836	15,356	1,519	11.0%
100.0%	13,771	15,112	1,341	9.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	29,974	-26	-0.1%
7.4%	29,974	29,876	-98	-0.3%
8.6%	29,953	29,872	-82	-0.3%
9.9%	29,872	29,852	-19	-0.1%
11.1%	29,788	29,786	-2	0.0%
12.3%	29,776	29,776	0	0.0%
13.6%	29,771	29,769	-3	0.0%
14.8%	29,725	29,768	43	0.1%
16.0%	29,686	29,724	37	0.1%
17.3%	29,649	29,686	38	0.1%
18.5%	29,607	29,657	50	0.2%
19.8%	29,588	29,588	1	0.0%
21.0%	29,568	29,588	20	0.1%
22.2%	29,528	29,568	40	0.1%
23.5%	29,512	29,493	-19	-0.1%
24.7%	29,493	29,468	-25	-0.1%
25.9%	29,484	29,465	-19	-0.1%
27.2%	29,426	29,423	-2	0.0%
28.4%	29,424	29,375	-49	-0.2%
29.6%	29,338	29,369	31	0.1%
30.9%	29,328	29,275	-53	-0.2%
32.1%	29,261	29,096	-165	-0.6%
33.3%	29,096	29,058	-38	-0.1%
34.6%	29,065	29,054	-10	0.0%
35.8%	29,058	29,042	-16	-0.1%
37.0%	29,055	28,939	-116	-0.4%
38.3%	29,042	28,876	-166	-0.6%
39.5%	28,988	28,871	-117	-0.4%
40.7%	28,885	28,871	-14	0.0%
42.0%	28,876	28,759	-117	-0.4%
43.2%	28,871	28,649	-222	-0.8%
44.4%	28,871	28,635	-237	-0.8%
45.7%	28,795	28,609	-186	-0.6%
46.9%	28,617	28,561	-56	-0.2%
48.1%	28,561	28,539	-22	-0.1%
49.4%	28,389	28,374	-15	-0.1%
50.6%	28,374	28,332	-41	-0.1%
51.9%	28,219	28,219	0	0.0%
53.1%	28,194	28,194	0	0.0%
54.3%	28,080	28,035	-45	-0.2%
55.6%	28,035	27,949	-86	-0.3%
56.8%	27,997	27,880	-117	-0.4%
58.0%	27,949	27,848	-101	-0.4%
59.3%	27,904	27,842	-62	-0.2%
60.5%	27,880	27,769	-111	-0.4%
61.7%	27,693	27,697	4	0.0%
63.0%	27,634	27,628	-6	0.0%
64.2%	27,589	27,598	9	0.0%
65.4%	27,426	27,530	104	0.4%
66.7%	27,389	27,524	135	0.5%
67.9%	27,324	27,440	116	0.4%
69.1%	27,284	27,421	137	0.5%
70.4%	27,151	27,363	212	0.8%
71.6%	26,990	27,291	301	1.1%
72.8%	26,957	27,269	312	1.2%
74.1%	26,855	27,223	368	1.4%
75.3%	26,827	26,781	-46	-0.2%
76.5%	26,754	26,446	-309	-1.2%
77.8%	26,610	26,316	-294	-1.1%
79.0%	26,595	26,251	-344	-1.3%
80.2%	26,446	26,235	-211	-0.8%
81.5%	25,860	26,073	212	0.8%
82.7%	25,396	25,667	271	1.1%
84.0%	24,227	24,439	212	0.9%
85.2%	23,379	24,017	639	2.7%
86.4%	23,268	23,996	728	3.1%
87.7%	22,544	23,307	763	3.4%
88.9%	21,709	22,666	957	4.4%
90.1%	20,985	21,052	67	0.3%
91.4%	20,446	21,026	580	2.8%
92.6%	17,962	20,030	2,068	11.5%
93.8%	17,874	19,229	1,355	7.6%
95.1%	17,420	19,109	1,689	9.7%
96.3%	17,007	18,863	1,856	10.9%
97.5%	14,594	16,239	1,645	11.3%
98.8%	14,564	16,065	1,501	10.3%
100.0%	14,219	16,027	1,809	12.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	30,000	0	0.0%
19.8%	30,000	30,000	0	0.0%
21.0%	30,000	30,000	0	0.0%
22.2%	30,000	30,000	0	0.0%
23.5%	30,000	30,000	0	0.0%
24.7%	30,000	30,000	0	0.0%
25.9%	30,000	30,000	0	0.0%
27.2%	30,000	30,000	0	0.0%
28.4%	30,000	30,000	0	0.0%
29.6%	30,000	30,000	0	0.0%
30.9%	30,000	30,000	0	0.0%
32.1%	30,000	30,000	0	0.0%
33.3%	30,000	29,962	-38	-0.1%
34.6%	29,959	29,890	-70	-0.2%
35.8%	29,899	29,832	-67	-0.2%
37.0%	29,755	29,742	-14	0.0%
38.3%	29,753	29,602	-151	-0.5%
39.5%	29,720	29,561	-159	-0.5%
40.7%	29,700	29,554	-145	-0.5%
42.0%	29,596	29,497	-99	-0.3%
43.2%	29,563	29,494	-69	-0.2%
44.4%	29,518	29,433	-85	-0.3%
45.7%	29,472	29,337	-134	-0.5%
46.9%	29,454	29,309	-145	-0.5%
48.1%	29,166	29,308	142	0.5%
49.4%	28,826	29,175	350	1.2%
50.6%	28,768	28,755	-14	0.0%
51.9%	28,741	28,730	-11	0.0%
53.1%	28,737	28,590	-147	-0.5%
54.3%	28,593	28,372	-221	-0.8%
55.6%	28,584	28,304	-280	-1.0%
56.8%	28,295	28,295	0	0.0%
58.0%	28,205	28,178	-27	-0.1%
59.3%	27,982	28,154	172	0.6%
60.5%	27,972	28,151	179	0.6%
61.7%	27,648	28,083	436	1.6%
63.0%	27,636	27,857	220	0.8%
64.2%	27,379	27,774	394	1.4%
65.4%	27,346	27,507	161	0.6%
66.7%	27,025	27,507	481	1.8%
67.9%	26,831	27,480	649	2.4%
69.1%	26,708	27,135	426	1.6%
70.4%	26,679	26,717	38	0.1%
71.6%	26,595	26,371	-225	-0.8%
72.8%	26,403	26,320	-83	-0.3%
74.1%	26,049	26,213	164	0.6%
75.3%	25,933	26,059	126	0.5%
76.5%	25,913	25,622	-291	-1.1%
77.8%	25,737	25,461	-276	-1.1%
79.0%	25,652	24,981	-671	-2.6%
80.2%	25,567	24,929	-637	-2.5%
81.5%	25,387	24,804	-583	-2.3%
82.7%	24,762	24,646	-116	-0.5%
84.0%	24,332	24,337	5	0.0%
85.2%	23,256	24,261	1,005	4.3%
86.4%	22,851	23,823	973	4.3%
87.7%	22,655	23,581	926	4.1%
88.9%	22,620	22,730	110	0.5%
90.1%	22,458	22,675	216	1.0%
91.4%	18,801	20,158	1,358	7.2%
92.6%	17,737	18,933	1,196	6.7%
93.8%	16,595	18,858	2,263	13.6%
95.1%	16,054	18,533	2,479	15.4%
96.3%	15,680	17,987	2,307	14.7%
97.5%	15,482	17,565	2,083	13.5%
98.8%	15,148	16,591	1,443	9.5%
100.0%	13,413	15,461	2,048	15.3%

Table SW-09-9b
Shasta Lake, End of Month Area
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,776	0	0.0%
1.2%	29,776	29,776	0	0.0%
2.5%	29,776	29,718	-58	-0.2%
3.7%	29,776	29,653	-124	-0.4%
4.9%	29,776	29,626	-150	-0.5%
6.2%	29,776	29,594	-183	-0.6%
7.4%	29,776	29,593	-184	-0.6%
8.6%	29,776	29,592	-185	-0.6%
9.9%	29,626	29,555	-72	-0.2%
11.1%	29,626	29,544	-82	-0.3%
12.3%	29,619	29,451	-168	-0.6%
13.6%	29,516	29,409	-107	-0.4%
14.8%	29,433	29,392	-41	-0.1%
16.0%	29,129	29,186	57	0.2%
17.3%	29,125	29,128	3	0.0%
18.5%	29,096	29,127	31	0.1%
19.8%	29,084	29,050	-34	-0.1%
21.0%	29,057	29,016	-41	-0.1%
22.2%	29,041	29,013	-28	-0.1%
23.5%	28,994	28,912	-82	-0.3%
24.7%	28,864	28,910	46	0.2%
25.9%	28,801	28,910	108	0.4%
27.2%	28,678	28,816	138	0.5%
28.4%	28,651	28,796	145	0.5%
29.6%	28,601	28,765	165	0.6%
30.9%	28,586	28,698	111	0.4%
32.1%	28,486	28,678	192	0.7%
33.3%	28,458	28,620	162	0.6%
34.6%	28,435	28,502	66	0.2%
35.8%	28,408	28,495	87	0.3%
37.0%	28,339	28,433	94	0.3%
38.3%	27,968	28,297	329	1.2%
39.5%	27,787	28,164	376	1.4%
40.7%	27,775	28,025	250	0.9%
42.0%	27,747	27,996	249	0.9%
43.2%	27,685	27,994	310	1.1%
44.4%	27,587	27,977	390	1.4%
45.7%	27,577	27,937	361	1.3%
46.9%	27,516	27,896	380	1.4%
48.1%	27,141	27,638	497	1.8%
49.4%	27,121	27,629	508	1.9%
50.6%	27,074	27,471	397	1.5%
51.9%	26,995	27,467	471	1.7%
53.1%	26,939	27,402	463	1.7%
54.3%	26,910	27,283	373	1.4%
55.6%	26,702	27,240	538	2.0%
56.8%	26,663	27,058	395	1.5%
58.0%	26,554	26,964	410	1.5%
59.3%	26,505	26,652	147	0.6%
60.5%	26,390	26,647	257	1.0%
61.7%	26,233	26,602	369	1.4%
63.0%	26,128	26,588	460	1.8%
64.2%	26,109	26,465	356	1.4%
65.4%	25,851	26,425	574	2.2%
66.7%	25,607	26,247	640	2.5%
67.9%	25,463	25,900	437	1.7%
69.1%	24,883	25,505	622	2.5%
70.4%	24,793	25,067	274	1.1%
71.6%	24,791	24,561	-231	-0.9%
72.8%	24,731	24,436	-295	-1.2%
74.1%	24,186	24,404	217	0.9%
75.3%	23,806	24,248	442	1.9%
76.5%	23,664	24,219	555	2.3%
77.8%	23,659	24,189	530	2.2%
79.0%	23,659	24,092	433	1.8%
80.2%	23,418	23,665	247	1.1%
81.5%	23,403	23,501	99	0.4%
82.7%	22,023	23,501	1,477	6.7%
84.0%	21,981	22,728	747	3.4%
85.2%	21,426	22,440	1,014	4.7%
86.4%	21,408	22,065	657	3.1%
87.7%	21,373	21,932	559	2.6%
88.9%	20,934	21,559	624	3.0%
90.1%	19,966	21,543	1,578	7.9%
91.4%	16,257	17,757	1,499	9.2%
92.6%	16,108	17,390	1,282	8.0%
93.8%	14,438	16,424	1,986	13.8%
95.1%	14,241	16,268	2,026	14.2%
96.3%	13,904	15,950	2,046	14.7%
97.5%	13,184	15,216	2,032	15.4%
98.8%	12,568	14,846	2,278	18.1%
100.0%	9,666	12,187	2,521	26.1%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,275	0	0.0%
1.2%	28,275	28,275	0	0.0%
2.5%	28,275	28,233	-42	-0.1%
3.7%	28,275	28,148	-127	-0.4%
4.9%	28,275	28,088	-187	-0.7%
6.2%	28,275	28,068	-207	-0.7%
7.4%	28,113	28,051	-62	-0.2%
8.6%	28,060	28,041	-19	-0.1%
9.9%	27,970	27,974	4	0.0%
11.1%	27,798	27,970	172	0.6%
12.3%	27,785	27,878	93	0.3%
13.6%	27,742	27,610	-132	-0.5%
14.8%	27,610	27,608	-2	0.0%
16.0%	27,525	27,491	-35	-0.1%
17.3%	27,515	27,463	-53	-0.2%
18.5%	27,389	27,363	-25	-0.1%
19.8%	27,351	27,280	-71	-0.3%
21.0%	27,336	27,240	-96	-0.4%
22.2%	27,274	27,137	-137	-0.5%
23.5%	27,056	26,786	-270	-1.0%
24.7%	26,466	26,710	243	0.9%
25.9%	26,421	26,692	272	1.0%
27.2%	26,326	26,644	318	1.2%
28.4%	26,318	26,629	311	1.2%
29.6%	26,272	26,592	321	1.2%
30.9%	26,210	26,427	217	0.8%
32.1%	25,986	26,318	332	1.3%
33.3%	25,918	26,267	350	1.3%
34.6%	25,901	26,234	333	1.3%
35.8%	25,716	26,122	406	1.6%
37.0%	25,625	25,908	284	1.1%
38.3%	25,154	25,765	611	2.4%
39.5%	25,058	25,720	662	2.6%
40.7%	24,798	25,658	860	3.5%
42.0%	24,771	25,641	869	3.5%
43.2%	24,770	25,359	589	2.4%
44.4%	24,727	25,312	585	2.4%
45.7%	24,669	25,308	639	2.6%
46.9%	24,662	25,023	361	1.5%
48.1%	24,619	24,896	277	1.1%
49.4%	24,597	24,887	290	1.2%
50.6%	24,520	24,884	364	1.5%
51.9%	24,487	24,848	361	1.5%
53.1%	24,439	24,839	399	1.6%
54.3%	24,374	24,727	353	1.4%
55.6%	24,074	24,677	604	2.5%
56.8%	23,963	24,361	398	1.7%
58.0%	23,696	24,336	640	2.7%
59.3%	23,691	24,276	585	2.5%
60.5%	23,659	24,030	370	1.6%
61.7%	23,518	23,999	481	2.0%
63.0%	23,389	23,864	475	2.0%
64.2%	23,323	23,726	403	1.7%
65.4%	23,196	23,595	399	1.7%
66.7%	22,792	23,427	634	2.8%
67.9%	22,506	23,081	575	2.6%
69.1%	22,470	23,034	564	2.5%
70.4%	21,948	22,557	610	2.8%
71.6%	21,914	22,414	500	2.3%
72.8%	21,766	22,350	584	2.7%
74.1%	21,404	22,257	853	4.0%
75.3%	21,360	22,256	895	4.2%
76.5%	21,166	22,027	860	4.1%
77.8%	21,052	21,657	605	2.9%
79.0%	20,850	21,655	805	3.9%
80.2%	20,452	21,564	1,112	5.4%
81.5%	20,416	21,411	994	4.9%
82.7%	19,317	20,778	1,461	7.6%
84.0%	19,234	19,953	719	3.7%
85.2%	19,106	19,822	716	3.7%
86.4%	18,531	19,439	907	4.9%
87.7%	18,512	19,358	847	4.6%
88.9%	18,133	19,286	1,154	6.4%
90.1%	17,001	18,888	1,887	11.1%
91.4%	14,105	15,121	1,016	7.2%
92.6%	13,578	14,733	1,155	8.5%
93.8%	12,848	14,666	1,818	14.2%
95.1%	11,766	13,380	1,614	13.7%
96.3%	10,972	12,904	1,932	17.6%
97.5%	9,818	12,850	3,032	30.9%
98.8%	7,828	12,447	4,618	59.0%
100.0%	7,478	9,537	2,059	27.5%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,331	0	0.0%
3.7%	26,331	26,331	0	0.0%
4.9%	26,331	26,331	0	0.0%
6.2%	26,331	26,331	0	0.0%
7.4%	26,331	26,331	0	0.0%
8.6%	26,331	26,331	0	0.0%
9.9%	26,331	26,331	0	0.0%
11.1%	26,331	26,331	0	0.0%
12.3%	26,331	26,331	0	0.0%
13.6%	26,331	26,331	0	0.0%
14.8%	26,331	26,331	0	0.0%
16.0%	26,234	26,248	14	0.1%
17.3%	26,073	26,145	72	0.3%
18.5%	26,071	26,055	-16	-0.1%
19.8%	25,897	26,034	137	0.5%
21.0%	25,752	25,706	-46	-0.2%
22.2%	25,649	25,515	-133	-0.5%
23.5%	25,469	25,475	7	0.0%
24.7%	24,833	25,454	621	2.5%
25.9%	24,739	25,446	707	2.9%
27.2%	24,622	25,427	805	3.3%
28.4%	24,553	25,408	856	3.5%
29.6%	24,373	25,398	1,025	4.2%
30.9%	24,371	25,103	732	3.0%
32.1%	24,359	24,917	558	2.3%
33.3%	24,180	24,885	705	2.9%
34.6%	24,117	24,738	622	2.6%
35.8%	23,929	24,696	767	3.2%
37.0%	23,748	24,330	582	2.4%
38.3%	23,711	24,287	576	2.4%
39.5%	23,687	24,256	569	2.4%
40.7%	23,187	24,154	967	4.2%
42.0%	23,162	23,946	785	3.4%
43.2%	23,070	23,723	653	2.8%
44.4%	22,986	23,659	673	2.9%
45.7%	22,946	23,447	501	2.2%
46.9%	22,909	23,375	465	2.0%
48.1%	22,798	23,268	471	2.1%
49.4%	22,691	23,232	540	2.4%
50.6%	22,681	23,064	383	1.7%
51.9%	22,331	23,043	712	3.2%
53.1%	22,306	23,003	697	3.1%
54.3%	22,276	22,846	570	2.6%
55.6%	22,220	22,678	457	2.1%
56.8%	22,070	22,626	566	2.6%
58.0%	22,041	22,579	538	2.4%
59.3%	21,864	22,573	709	3.2%
60.5%	21,832	22,411	580	2.7%
61.7%	21,797	22,348	551	2.5%
63.0%	21,485	22,337	851	4.0%
64.2%	21,250	22,235	985	4.6%
65.4%	20,994	21,964	970	4.6%
66.7%	20,977	21,894	916	4.4%
67.9%	20,844	21,776	931	4.5%
69.1%	20,680	21,370	689	3.3%
70.4%	20,641	21,187	546	2.6%
71.6%	20,634	21,034	400	1.9%
72.8%	20,545	20,908	363	1.8%
74.1%	20,377	20,880	503	2.5%
75.3%	19,815	20,869	1,054	5.3%
76.5%	19,554	20,584	1,030	5.3%
77.8%	19,533	20,288	754	3.9%
79.0%	18,637	20,102	1,465	7.9%
80.2%	17,995	19,693	1,697	9.4%
81.5%	17,866	19,567	1,702	9.5%
82.7%	17,577	18,387	810	4.6%
84.0%	17,280	18,336	1,056	6.1%
85.2%	17,120	17,851	731	4.3%
86.4%	16,626	17,490	864	5.2%
87.7%	15,891	17,327	1,436	9.0%
88.9%	15,479	16,219	740	4.8%
90.1%	15,389	15,678	289	1.9%
91.4%	12,318	13,326	1,007	8.2%
92.6%	11,791	13,319	1,528	13.0%
93.8%	11,166	13,208	2,042	18.3%
95.1%	8,692	11,040	2,348	27.0%
96.3%	7,763	10,899	3,136	40.4%
97.5%	7,069	10,289	3,220	45.5%
98.8%	7,002	9,583	2,581	36.9%
100.0%	7,002	7,246	244	3.5%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,728	24,728	0	0.0%
4.9%	24,719	24,728	9	0.0%
6.2%	24,680	24,728	48	0.2%
7.4%	24,644	24,728	84	0.3%
8.6%	24,620	24,728	108	0.4%
9.9%	24,610	24,728	118	0.5%
11.1%	24,601	24,728	126	0.5%
12.3%	24,591	24,728	137	0.6%
13.6%	24,476	24,728	252	1.0%
14.8%	24,473	24,728	254	1.0%
16.0%	24,455	24,728	273	1.1%
17.3%	24,372	24,607	235	1.0%
18.5%	23,882	24,512	630	2.6%
19.8%	23,855	24,403	548	2.3%
21.0%	23,829	24,369	540	2.3%
22.2%	23,656	24,272	617	2.6%
23.5%	23,650	24,045	395	1.7%
24.7%	23,592	24,003	411	1.7%
25.9%	23,500	23,967	467	2.0%
27.2%	23,445	23,933	488	2.1%
28.4%	23,373	23,776	403	1.7%
29.6%	23,362	23,730	368	1.6%
30.9%	23,226	23,714	488	2.1%
32.1%	23,036	23,700	664	2.9%
33.3%	23,005	23,659	654	2.8%
34.6%	22,935	23,603	668	2.9%
35.8%	22,740	23,579	840	3.7%
37.0%	22,710	23,534	824	3.6%
38.3%	22,479	23,391	913	4.1%
39.5%	22,464	23,258	794	3.5%
40.7%	22,432	23,130	698	3.1%
42.0%	22,396	23,100	704	3.1%
43.2%	22,348	23,072	724	3.2%
44.4%	22,275	22,989	715	3.2%
45.7%	22,210	22,859	649	2.9%
46.9%	22,167	22,851	684	3.1%
48.1%	22,033	22,770	736	3.3%
49.4%	22,011	22,697	687	3.1%
50.6%	21,759	22,674	915	4.2%
51.9%	21,724	22,616	892	4.1%
53.1%	21,680	22,572	892	4.1%
54.3%	21,646	22,354	708	3.3%
55.6%	21,633	22,246	613	2.8%
56.8%	21,503	22,093	591	2.7%
58.0%	21,501	21,975	474	2.2%
59.3%	21,034	21,933	900	4.3%
60.5%	20,795	21,786	991	4.8%
61.7%	20,762	21,598	836	4.0%
63.0%	20,699	21,586	887	4.3%
64.2%	20,615	21,109	494	2.4%
65.4%	20,535	21,097	562	2.7%
66.7%	20,291	21,072	782	3.9%
67.9%	20,211	21,023	813	4.0%
69.1%	20,160	20,919	760	3.8%
70.4%	20,122	20,845	723	3.6%
71.6%	19,862	20,661	798	4.0%
72.8%	19,328	20,605	1,277	6.6%
74.1%	18,960	20,535	1,575	8.3%
75.3%	18,943	20,231	1,288	6.8%
76.5%	18,844	20,061	1,217	6.5%
77.8%	18,391	19,491	1,100	6.0%
79.0%	18,369	19,383	1,015	5.5%
80.2%	18,340	19,224	885	4.8%
81.5%	17,589	19,219	1,630	9.3%
82.7%	17,514	18,344	829	4.7%
84.0%	17,337	18,306	969	5.6%
85.2%	16,601	17,336	735	4.4%
86.4%	16,475	16,960	485	2.9%
87.7%	14,808	16,428	1,619	10.9%
88.9%	14,763	15,939	1,176	8.0%
90.1%	14,722	15,280	558	3.8%
91.4%	11,601	12,825	1,224	10.6%
92.6%	10,412	12,657	2,244	21.6%
93.8%	10,363	12,369	2,006	19.4%
95.1%	7,751	10,244	2,493	32.2%
96.3%	7,171	10,244	3,074	42.9%
97.5%	7,002	10,029	3,027	43.2%
98.8%	7,002	9,150	2,149	30.7%
100.0%	7,002	7,002	0	0.0%

Table SW-10-9a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,191	6,373	6,696	8,274	10,211	8,555	6,942	7,866	10,846	13,210	10,550	8,069
Alternative D	6,192	6,453	7,555	8,712	10,834	8,351	6,814	7,734	10,183	12,887	10,271	7,808
Difference	1	80	860	438	623	-204	-127	-132	-663	-323	-280	-261
Percent Difference[3]	0.0%	1.3%	12.8%	5.3%	6.1%	-2.4%	-1.8%	-1.7%	-6.1%	-2.4%	-2.6%	-3.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,296	8,649	7,369	15,898	18,357	16,226	9,479	9,465	10,515	12,963	11,017	12,376
Alternative D	7,658	8,148	8,526	16,352	18,818	15,983	9,453	9,497	10,516	12,618	10,802	11,861
Difference	362	-501	1,157	454	461	-243	-26	32	1	-346	-214	-515
Percent Difference	5.0%	-5.8%	15.7%	2.9%	2.5%	-1.5%	-0.3%	0.3%	0.0%	-2.7%	-1.9%	-4.2%
Above Normal (15%)												
No Action Alternative	5,952	8,274	6,844	7,637	14,153	8,412	6,093	7,692	11,336	14,294	10,702	8,198
Alternative D	6,215	8,681	7,985	7,648	15,181	8,341	6,186	7,775	10,414	14,059	10,158	7,758
Difference	263	408	1,142	12	1,027	-72	93	83	-921	-235	-544	-440
Percent Difference	4.4%	4.9%	16.7%	0.2%	7.3%	-0.9%	1.5%	1.1%	-8.1%	-1.6%	-5.1%	-5.4%
Below Normal (17%)												
No Action Alternative	5,261	5,066	7,920	4,285	5,700	4,747	5,167	6,958	10,735	12,997	10,181	5,397
Alternative D	5,622	5,562	8,745	4,850	6,477	4,568	5,178	6,868	9,873	13,005	9,648	5,413
Difference	361	496	826	564	777	-178	12	-90	-861	7	-533	16
Percent Difference	6.9%	9.8%	10.4%	13.2%	13.6%	-3.8%	0.2%	-1.3%	-8.0%	0.1%	-5.2%	0.3%
Dry (22%)												
No Action Alternative	5,936	4,465	6,916	3,889	3,764	3,878	5,648	7,208	11,245	13,426	10,682	5,656
Alternative D	5,230	4,891	7,726	4,623	4,504	3,558	5,458	7,083	9,865	12,883	10,244	5,458
Difference	-706	426	810	734	739	-320	-190	-125	-1,379	-543	-437	-198
Percent Difference	-11.9%	9.5%	11.7%	18.9%	19.6%	-8.2%	-3.4%	-1.7%	-12.3%	-4.0%	-4.1%	-3.5%
Critical (15%)												
No Action Alternative	5,504	3,931	3,331	3,625	3,553	3,539	6,306	6,626	10,606	12,583	9,623	5,345
Alternative D	5,100	3,936	3,380	3,861	3,767	3,429	5,669	5,862	10,071	12,164	9,999	5,393
Difference	-404	5	49	237	214	-110	-636	-763	-535	-419	376	48
Percent Difference	-7.3%	0.1%	1.5%	6.5%	6.0%	-3.1%	-10.1%	-11.5%	-5.0%	-3.3%	3.9%	0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-10-9b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

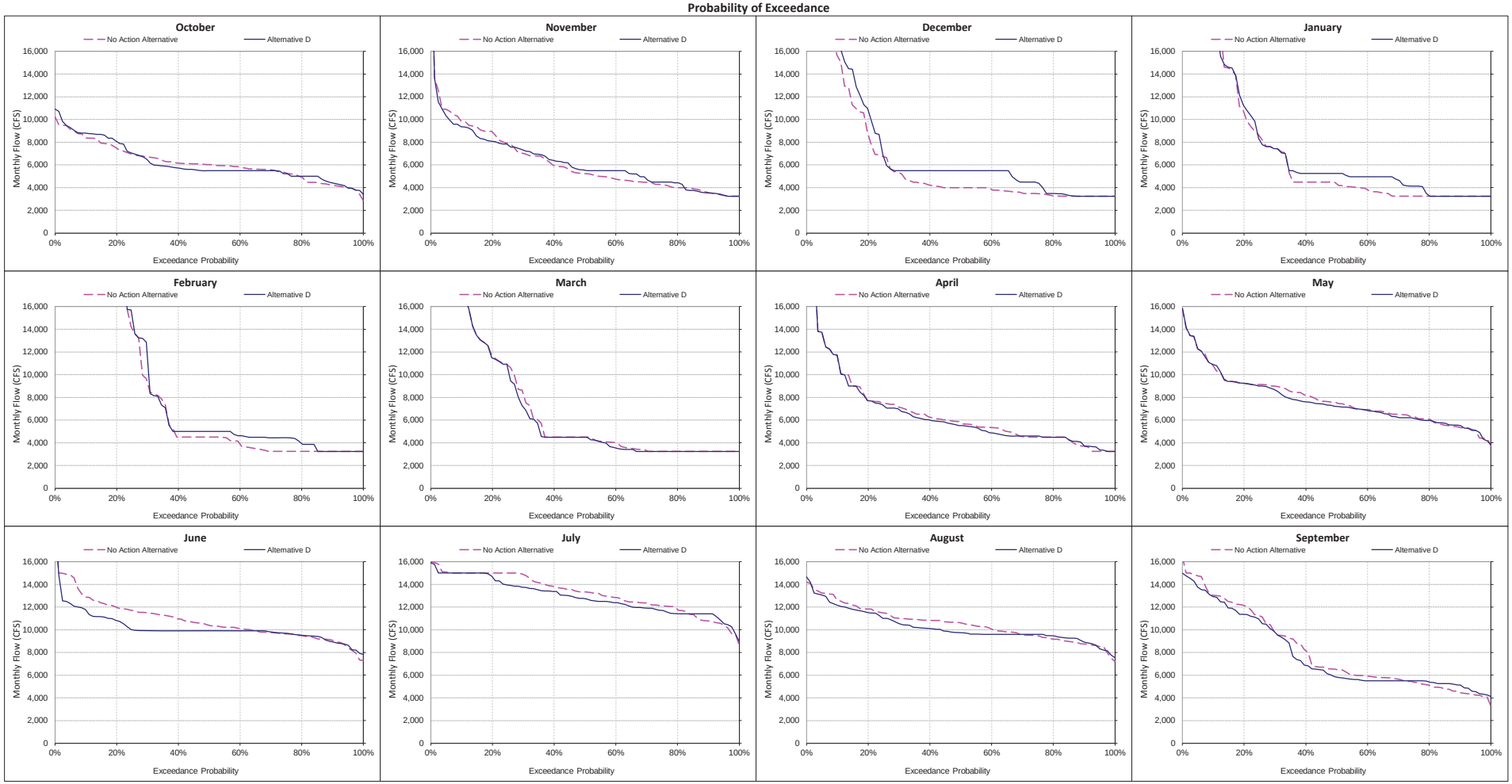

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,243	10,925	682	6.7%
1.2%	9,547	10,728	1,181	12.4%
2.5%	9,499	9,827	328	3.5%
3.7%	9,474	9,474	0	0.0%
4.9%	9,132	9,287	155	1.7%
6.2%	8,999	9,048	49	0.5%
7.4%	8,745	8,840	95	1.1%
8.6%	8,730	8,809	79	0.9%
9.9%	8,370	8,795	425	5.1%
11.1%	8,361	8,757	396	4.7%
12.3%	8,352	8,737	384	4.6%
13.6%	8,299	8,700	401	4.8%
14.8%	7,926	8,684	758	9.6%
16.0%	7,889	8,626	737	9.3%
17.3%	7,852	8,361	509	6.5%
18.5%	7,727	8,353	627	8.1%
19.8%	7,525	8,102	577	7.7%
21.0%	7,275	7,896	621	8.5%
22.2%	7,215	7,848	634	8.8%
23.5%	7,087	7,197	111	1.6%
24.7%	6,974	7,063	88	1.3%
25.9%	6,848	6,957	109	1.6%
27.2%	6,820	6,862	42	0.6%
28.4%	6,788	6,733	-56	-0.8%
29.6%	6,701	6,531	-170	-2.5%
30.9%	6,670	6,173	-497	-7.5%
32.1%	6,641	5,995	-646	-9.7%
33.3%	6,561	5,965	-595	-9.1%
34.6%	6,428	5,920	-509	-7.9%
35.8%	6,303	5,908	-395	-6.3%
37.0%	6,280	5,845	-436	-6.9%
38.3%	6,266	5,777	-489	-7.8%
39.5%	6,171	5,747	-424	-6.9%
40.7%	6,153	5,706	-447	-7.3%
42.0%	6,130	5,633	-497	-8.1%
43.2%	6,112	5,605	-507	-8.3%
44.4%	6,099	5,601	-498	-8.2%
45.7%	6,096	5,561	-535	-8.8%
46.9%	6,089	5,500	-589	-9.7%
48.1%	6,042	5,500	-542	-9.0%
49.4%	6,033	5,500	-533	-8.8%
50.6%	6,024	5,500	-524	-8.7%
51.9%	5,965	5,500	-465	-7.8%
53.1%	5,946	5,500	-446	-7.5%
54.3%	5,938	5,500	-438	-7.4%
55.6%	5,920	5,500	-420	-7.1%
56.8%	5,914	5,500	-414	-7.0%
58.0%	5,855	5,500	-355	-6.1%
59.3%	5,849	5,500	-349	-6.0%
60.5%	5,752	5,500	-252	-4.4%
61.7%	5,713	5,500	-213	-3.7%
63.0%	5,657	5,500	-157	-2.8%
64.2%	5,643	5,500	-143	-2.5%
65.4%	5,624	5,500	-124	-2.2%
66.7%	5,604	5,500	-104	-1.8%
67.9%	5,600	5,500	-100	-1.8%
69.1%	5,592	5,500	-92	-1.7%
70.4%	5,570	5,500	-70	-1.3%
71.6%	5,481	5,500	19	0.3%
72.8%	5,377	5,440	63	1.2%
74.1%	5,367	5,234	-133	-2.5%
75.3%	5,248	5,222	-27	-0.5%
76.5%	5,205	5,000	-205	-3.9%
77.8%	5,172	5,000	-172	-3.3%
79.0%	4,996	5,000	4	0.1%
80.2%	4,889	5,000	111	2.3%
81.5%	4,477	5,000	523	11.7%
82.7%	4,475	5,000	525	11.7%
84.0%	4,464	5,000	536	12.0%
85.2%	4,444	5,000	556	12.5%
86.4%	4,363	4,751	388	8.9%
87.7%	4,328	4,594	266	6.1%
88.9%	4,256	4,458	202	4.7%
90.1%	4,231	4,396	165	3.9%
91.4%	4,148	4,323	175	4.2%
92.6%	4,108	4,239	131	3.2%
93.8%	4,052	4,176	124	3.1%
95.1%	4,000	3,961	-39	-1.0%
96.3%	3,955	3,943	-12	-0.3%
97.5%	3,774	3,787	13	0.3%
98.8%	3,390	3,746	356	10.5%
100.0%	2,836	3,390	554	19.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,510	27,983	473	1.7%
1.2%	13,648	13,648	0	0.0%
2.5%	12,520	11,552	-968	-7.7%
3.7%	10,931	10,931	0	0.0%
4.9%	10,889	10,344	-545	-5.0%
6.2%	10,724	9,935	-789	-7.4%
7.4%	10,436	9,594	-841	-8.1%
8.6%	10,295	9,590	-706	-6.9%
9.9%	9,856	9,363	-492	-5.0%
11.1%	9,831	9,327	-504	-5.1%
12.3%	9,497	9,238	-259	-2.7%
13.6%	9,433	9,052	-381	-4.0%
14.8%	9,384	8,564	-820	-8.7%
16.0%	9,095	8,322	-773	-8.5%
17.3%	8,986	8,271	-715	-8.0%
18.5%	8,949	8,128	-820	-9.2%
19.8%	8,948	8,080	-868	-9.7%
21.0%	8,590	8,050	-540	-6.3%
22.2%	8,173	7,918	-255	-3.1%
23.5%	8,012	7,840	-172	-2.1%
24.7%	7,918	7,833	-84	-1.1%
25.9%	7,839	7,577	-262	-3.3%
27.2%	7,482	7,574	92	1.2%
28.4%	7,071	7,470	399	5.6%
29.6%	7,043	7,341	299	4.2%
30.9%	6,937	7,225	288	4.2%
32.1%	6,822	7,174	352	5.2%
33.3%	6,803	6,970	167	2.5%
34.6%	6,799	6,940	141	2.1%
35.8%	6,758	6,912	154	2.3%
37.0%	6,493	6,758	265	4.1%
38.3%	6,296	6,472	176	2.8%
39.5%	6,015	6,406	391	6.5%
40.7%	5,857	6,312	455	7.8%
42.0%	5,849	6,296	446	7.6%
43.2%	5,827	6,202	375	6.4%
44.4%	5,673	6,187	514	9.1%
45.7%	5,437	5,813	375	6.9%
46.9%	5,321	5,667	346	6.5%
48.1%	5,279	5,583	304	5.8%
49.4%	5,250	5,559	309	5.9%
50.6%	5,229	5,500	271	5.2%
51.9%	5,174	5,500	326	6.3%
53.1%	5,068	5,500	432	8.5%
54.3%	4,998	5,500	502	10.0%
55.6%	4,970	5,500	530	10.7%
56.8%	4,958	5,500	542	10.9%
58.0%	4,879	5,500	621	12.7%
59.3%	4,800	5,500	700	14.6%
60.5%	4,718	5,500	782	16.6%
61.7%	4,686	5,500	814	17.4%
63.0%	4,646	5,500	854	18.4%
64.2%	4,630	5,239	609	13.2%
65.4%	4,553	5,212	659	14.5%
66.7%	4,521	5,204	683	15.1%
67.9%	4,511	4,950	439	9.7%
69.1%	4,473	4,950	477	10.7%
70.4%	4,458	4,637	179	4.0%
71.6%	4,430	4,500	70	1.6%
72.8%	4,286	4,500	214	5.0%
74.1%	4,279	4,500	221	5.2%
75.3%	4,242	4,500	258	6.1%
76.5%	4,194	4,500	306	7.3%
77.8%	4,062	4,500	438	10.8%
79.0%	4,000	4,418	418	10.5%
80.2%	4,000	4,416	416	10.4%
81.5%	4,000	4,297	297	7.4%
82.7%	4,000	3,792	-208	-5.2%
84.0%	4,000	3,761	-239	-6.0%
85.2%	3,885	3,751	-134	-3.5%
86.4%	3,834	3,691	-143	-3.7%
87.7%	3,755	3,596	-159	-4.2%
88.9%	3,635	3,547	-88	-2.4%
90.1%	3,556	3,525	-31	-0.9%
91.4%	3,499	3,498	-1	0.0%
92.6%	3,481	3,481	0	0.0%
93.8%	3,434	3,370	-64	-1.9%
95.1%	3,297	3,330	33	1.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,228	27,414	1,187	4.5%
1.2%	24,964	25,226	261	1.0%
2.5%	24,622	24,622	0	0.0%
3.7%	22,258	22,258	0	0.0%
4.9%	21,617	20,733	-885	-4.1%
6.2%	20,314	20,314	0	0.0%
7.4%	18,063	17,876	-187	-1.0%
8.6%	17,244	17,294	51	0.3%
9.9%	15,658	16,417	760	4.9%
11.1%	15,051	16,107	1,056	7.0%
12.3%	12,935	15,051	2,116	16.4%
13.6%	12,898	14,483	1,585	12.3%
14.8%	11,307	14,429	3,122	27.6%
16.0%	10,970	12,898	1,928	17.6%
17.3%	10,686	12,126	1,440	13.5%
18.5%	10,592	11,307	715	6.8%
19.8%	8,872	10,970	2,098	23.6%
21.0%	7,804	9,881	2,077	26.6%
22.2%	6,930	8,778	1,848	26.7%
23.5%	6,907	8,699	1,792	26.0%
24.7%	6,742	6,907	165	2.4%
25.9%	6,656	5,944	-712	-10.7%
27.2%	5,642	5,642	0	0.0%
28.4%	5,412	5,500	88	1.6%
29.6%	5,381	5,500	119	2.2%
30.9%	5,201	5,500	299	5.8%
32.1%	4,741	5,500	759	16.0%
33.3%	4,633	5,500	867	18.7%
34.6%	4,498	5,500	1,002	22.3%
35.8%	4,468	5,500	1,032	23.1%
37.0%	4,378	5,500	1,122	25.6%
38.3%	4,376	5,500	1,124	25.7%
39.5%	4,252	5,500	1,248	29.4%
40.7%	4,181	5,500	1,319	31.6%
42.0%	4,131	5,500	1,369	33.1%
43.2%	4,081	5,500	1,419	34.8%
44.4%	4,000	5,500	1,500	37.5%
45.7%	4,000	5,500	1,500	37.5%
46.9%	4,000	5,500	1,500	37.5%
48.1%	4,000	5,500	1,500	37.5%
49.4%	4,000	5,500	1,500	37.5%
50.6%	4,000	5,500	1,500	37.5%
51.9%	4,000	5,500	1,500	37.5%
53.1%	4,000	5,500	1,500	37.5%
54.3%	4,000	5,500	1,500	37.5%
55.6%	4,000	5,500	1,500	37.5%
56.8%	4,000	5,500	1,500	37.5%
58.0%	4,000	5,500	1,500	37.5%
59.3%	3,929	5,500	1,571	40.0%
60.5%	3,784	5,500	1,716	45.4%
61.7%	3,764	5,500	1,736	46.1%
63.0%	3,744	5,500	1,756	46.9%
64.2%	3,707	5,500	1,793	48.4%
65.4%	3,690	5,500	1,810	49.1%
66.7%	3,650	4,950	1,300	35.6%
67.9%	3,609	4,691	1,082	30.0%
69.1%	3,595	4,500	905	25.2%
70.4%	3,494	4,500	1,006	28.8%
71.6%	3,493	4,500	1,007	28.8%
72.8%	3,490	4,500	1,010	28.9%
74.1%	3,481	4,500	1,019	29.3%
75.3%	3,472	4,378	906	26.1%
76.5%	3,471	4,000	529	15.3%
77.8%	3,392	3,494	102	3.0%
79.0%	3,327	3,493	166	5.0%
80.2%	3,257	3,490	233	7.1%
81.5%	3,251	3,472	221	6.8%
82.7%	3,250	3,471	221	6.8%
84.0%	3,250	3,392	142	4.4%
85.2%	3,250	3,314	64	2.0%
86.4%	3,250	3,273	23	0.7%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,735	52,735	0	0.0%
1.2%	38,615	38,615	0	0.0%
2.5%	34,203	34,203	0	0.0%
3.7%	30,587	30,587	0	0.0%
4.9%	26,924	27,611	687	2.6%
6.2%	25,153	25,153	0	0.0%
7.4%	24,008	22,380	-1,628	-6.8%
8.6%	20,927	20,927	0	0.0%
9.9%	19,053	19,053	0	0.0%
11.1%	18,323	18,323	0	0.0%
12.3%	18,115	15,567	-2,548	-14.1%
13.6%	14,598	14,826	228	1.6%
14.8%	14,544	14,598	55	0.4%
16.0%	14,354	14,544	190	1.3%
17.3%	13,878	13,878	0	0.0%
18.5%	11,161	12,119	958	8.6%
19.8%	10,786	11,266	479	4.4%
21.0%	9,852	10,761	909	9.2%
22.2%	9,385	10,331	946	10.1%
23.5%	8,989	9,852	863	9.6%
24.7%	8,666	8,333	-333	-3.8%
25.9%	8,193	7,766	-427	-5.2%
27.2%	7,628	7,628	0	0.0%
28.4%	7,626	7,626	0	0.0%
29.6%	7,446	7,446	0	0.0%
30.9%	7,419	7,419	0	0.0%
32.1%	7,140	7,049	-91	-1.3%
33.3%	7,049	7,005	-44	-0.6%
34.6%	5,316	5,500	184	3.5%
35.8%	4,500	5,500	1,000	22.2%
37.0%	4,500	5,349	849	18.9%
38.3%	4,500	5,250	750	16.7%
39.5%	4,500	5,250	750	16.7%
40.7%	4,500	5,250	750	16.7%
42.0%	4,500	5,250	750	16.7%
43.2%	4,500	5,250	750	16.7%
44.4%	4,500	5,250	750	16.7%
45.7%	4,500	5,250	750	16.7%
46.9%	4,500	5,250	750	16.7%
48.1%	4,500	5,250	750	16.7%
49.4%	4,465	5,250	785	17.6%
50.6%	4,202	5,250	1,048	24.9%
51.9%	4,165	5,250	1,085	26.0%
53.1%	4,087	5,069	981	24.0%
54.3%	4,082	4,950	868	21.3%
55.6%	4,040	4,950	910	22.5%
56.8%	4,025	4,950	925	23.0%
58.0%	3,979	4,950	971	24.4%
59.3%	3,926	4,950	1,024	26.1%
60.5%	3,738	4,950	1,212	32.4%
61.7%	3,638	4,950	1,312	36.1%
63.0%	3,629	4,950	1,321	36.4%
64.2%	3,584	4,950	1,366	38.1%
65.4%	3,502	4,950	1,448	41.4%
66.7%	3,488	4,950	1,462	41.9%
67.9%	3,255	4,950	1,695	52.1%
69.1%	3,250	4,750	1,500	46.2%
70.4%	3,250	4,618	1,368	42.1%
71.6%	3,250	4,222	972	29.9%
72.8%	3,250	4,165	915	28.2%
74.1%	3,250	4,125	875	26.9%
75.3%	3,250	4,125	875	26.9%
76.5%	3,250	4,125	875	26.9%
77.8%	3,250	4,094	844	26.0%
79.0%	3,250	3,488	238	7.3%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,007	47,368	3,361	7.6%
1.2%	42,028	45,507	3,479	8.3%
2.5%	35,476	35,476	0	0.0%
3.7%	32,676	34,849	2,173	6.7%
4.9%	32,478	32,487	9	0.0%
6.2%	31,736	31,785	49	0.2%
7.4%	30,069	30,288	219	0.7%
8.6%	28,992	30,069	1,077	3.7%
9.9%	27,512	29,841	2,329	8.5%
11.1%	26,291	27,885	1,595	6.1%
12.3%	26,276	27,512	1,236	4.7%
13.6%	23,696	23,696	0	0.0%
14.8%	23,127	23,127	0	0.0%
16.0%	22,775	22,775	0	0.0%
17.3%	21,451	21,451	0	0.0%
18.5%	21,309	21,309	0	0.0%
19.8%	18,799	18,799	0	0.0%
21.0%	18,422	18,422	0	0.0%
22.2%	18,321	18,321	0	0.0%
23.5%	15,705	15,744	39	0.2%
24.7%	14,217	15,705	1,488	10.5%
25.9%	13,598	13,598	0	0.0%
27.2%	13,212	13,252	40	0.3%
28.4%	9,952	13,212	3,260	32.8%
29.6%	9,642	12,865	3,223	33.4%
30.9%	8,436	8,323	-113	-1.3%
32.1%	8,323	8,164	-159	-1.9%
33.3%	8,164	8,111	-53	-0.6%
34.6%	7,864	7,328	-536	-6.8%
35.8%	7,324	7,087	-237	-3.2%
37.0%	5,550	5,550	0	0.0%
38.3%	5,257	5,000	-257	-4.9%
39.5%	4,500	5,000	500	11.1%
40.7%	4,500	5,000	500	11.1%
42.0%	4,500	5,000	500	11.1%
43.2%	4,500	5,000	500	11.1%
44.4%	4,500	5,000	500	11.1%
45.7%	4,500	5,000	500	11.1%
46.9%	4,500	5,000	500	11.1%
48.1%	4,500	5,000	500	11.1%
49.4%	4,500	5,000	500	11.1%
50.6%	4,500	5,000	500	11.1%
51.9%	4,500	5,000	500	11.1%
53.1%	4,500	5,000	500	11.1%
54.3%	4,491	5,000	509	11.3%
55.6%	4,451	5,000	549	12.3%
56.8%	4,207	5,000	793	18.9%
58.0%	4,174	4,725	551	13.2%
59.3%	4,146	4,625	479	11.6%
60.5%	3,679	4,625	946	25.7%
61.7%	3,637	4,562	925	25.4%
63.0%	3,588	4,500	912	25.4%
64.2%	3,525	4,500	975	27.7%
65.4%	3,488	4,500	1,012	29.0%
66.7%	3,414	4,500	1,086	31.8%
67.9%	3,351	4,500	1,149	34.3%
69.1%	3,250	4,455	1,205	37.1%
70.4%	3,250	4,455	1,205	37.1%
71.6%	3,250	4,455	1,205	37.1%
72.8%	3,250	4,455	1,205	37.1%
74.1%	3,250	4,455	1,205	37.1%
75.3%	3,250	4,455	1,205	37.1%
76.5%	3,250	4,455	1,205	37.1%
77.8%	3,250	4,375	1,125	34.6%
79.0%	3,250	4,148	898	27.6%
80.2%	3,250	3,875	625	19.2%
81.5%	3,250	3,875	625	19.2%
82.7%	3,250	3,875	625	19.2%
84.0%	3,250	3,875	625	19.2%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	46,295	46,295	0	0.0%
1.2%	41,101	41,100	-1	0.0%
2.5%	40,248	40,240	-9	0.0%
3.7%	35,227	35,227	0	0.0%
4.9%	34,284	34,284	0	0.0%
6.2%	26,544	22,203	-4,341	-16.4%
7.4%	20,521	20,521	0	0.0%
8.6%	19,854	19,854	0	0.0%
9.9%	18,544	17,191	-1,353	-7.3%
11.1%	17,063	16,582	-482	-2.8%
12.3%	15,812	15,812	0	0.0%
13.6%	14,297	14,297	0	0.0%
14.8%	13,482	13,482	0	0.0%
16.0%	13,072	13,072	0	0.0%
17.3%	12,834	12,834	0	0.0%
18.5%	12,569	12,569	0	0.0%
19.8%	11,720	11,506	-213	-1.8%
21.0%	11,423	11,344	-78	-0.7%
22.2%	11,165	11,165	0	0.0%
23.5%	11,012	10,926	-86	-0.8%
24.7%	10,926	10,912	-14	-0.1%
25.9%	10,601	9,444	-1,157	-10.9%
27.2%	9,911	9,161	-750	-7.6%
28.4%	8,704	8,020	-684	-7.9%
29.6%	8,639	7,278	-1,362	-15.8%
30.9%	7,528	6,848	-680	-9.0%
32.1%	7,278	6,125	-1,153	-15.8%
33.3%	6,125	6,078	-47	-0.8%
34.6%	6,078	5,728	-350	-5.8%
35.8%	5,728	4,552	-1,176	-20.5%
37.0%	4,500	4,500	0	0.0%
38.3%	4,500	4,500	0	0.0%
39.5%	4,500	4,500	0	0.0%
40.7%	4,500	4,500	0	0.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,500	0	0.0%
51.9%	4,461	4,257	-204	-4.6%
53.1%	4,250	4,250	0	0.0%
54.3%	4,143	4,134	-9	-0.2%
55.6%	4,134	4,048	-86	-2.1%
56.8%	4,087	3,979	-108	-2.6%
58.0%	4,060	3,657	-403	-9.9%
59.3%	4,048	3,602	-446	-11.0%
60.5%	3,979	3,510	-468	-11.8%
61.7%	3,658	3,436	-221	-6.1%
63.0%	3,602	3,422	-180	-5.0%
64.2%	3,510	3,422	-89	-2.5%
65.4%	3,494	3,419	-75	-2.1%
66.7%	3,436	3,250	-186	-5.4%
67.9%	3,422	3,250	-172	-5.0%
69.1%	3,422	3,250	-172	-5.0%
70.4%	3,250	3,250	0	0.0%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,037	30,039	2	0.0%
1.2%	24,797	24,797	0	0.0%
2.5%	20,039	20,039	0	0.0%
3.7%	13,797	13,798	1	0.0%
4.9%	13,739	13,739	0	0.0%
6.2%	12,446	12,446	0	0.0%
7.4%	12,268	12,268	0	0.0%
8.6%	11,770	11,770	0	0.0%
9.9%	11,736	11,736	0	0.0%
11.1%	10,089	10,023	-66	-0.7%
12.3%	10,023	9,987	-36	-0.4%
13.6%	9,987	9,012	-975	-9.8%
14.8%	9,031	9,000	-31	-0.3%
16.0%	9,000	8,989	-11	-0.1%
17.3%	8,925	8,463	-462	-5.2%
18.5%	8,301	8,180	-121	-1.5%
19.8%	7,716	7,705	-10	-0.1%
21.0%	7,694	7,694	0	0.0%
22.2%	7,637	7,502	-135	-1.8%
23.5%	7,635	7,460	-175	-2.3%
24.7%	7,467	7,324	-143	-1.9%
25.9%	7,463	7,061	-402	-5.4%
27.2%	7,395	7,060	-335	-4.5%
28.4%	7,381	7,050	-331	-4.5%
29.6%	7,158	6,985	-172	-2.4%
30.9%	7,069	6,741	-329	-4.7%
32.1%	6,958	6,680	-278	-4.0%
33.3%	6,804	6,544	-260	-3.8%
34.6%	6,680	6,298	-382	-5.7%
35.8%	6,529	6,215	-314	-4.8%
37.0%	6,525	6,152	-372	-5.7%
38.3%	6,515	6,050	-466	-7.1%
39.5%	6,298	6,030	-268	-4.3%
40.7%	6,213	5,951	-262	-4.2%
42.0%	6,127	5,921	-206	-3.4%
43.2%	6,093	5,886	-207	-3.4%
44.4%	6,031	5,843	-188	-3.1%
45.7%	6,010	5,734	-277	-4.6%
46.9%	5,946	5,664	-281	-4.7%
48.1%	5,889	5,610	-278	-4.7%
49.4%	5,878	5,524	-354	-6.0%
50.6%	5,664	5,521	-143	-2.5%
51.9%	5,645	5,477	-168	-3.0%
53.1%	5,625	5,437	-188	-3.3%
54.3%	5,577	5,379	-198	-3.6%
55.6%	5,409	5,303	-106	-2.0%
56.8%	5,378	5,091	-287	-5.3%
58.0%	5,373	5,046	-326	-6.1%
59.3%	5,356	4,895	-461	-8.6%
60.5%	5,347	4,837	-510	-9.5%
61.7%	5,312	4,805	-507	-9.5%
63.0%	5,243	4,730	-513	-9.8%
64.2%	5,046	4,643	-403	-8.0%
65.4%	4,980	4,603	-377	-7.6%
66.7%	4,927	4,600	-327	-6.6%
67.9%	4,758	4,600	-158	-3.3%
69.1%	4,580	4,600	20	0.4%
70.4%	4,532	4,600	68	1.5%
71.6%	4,512	4,600	88	2.0%
72.8%	4,500	4,600	100	2.2%
74.1%	4,500	4,600	100	2.2%
75.3%	4,500	4,600	100	2.2%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,266	4,219	-47	-1.1%
86.4%	3,990	4,126	136	3.4%
87.7%	3,818	4,124	306	8.0%
88.9%	3,719	4,076	358	9.6%
90.1%	3,700	3,719	19	0.5%
91.4%	3,622	3,711	89	2.5%
92.6%	3,250	3,655	405	12.5%
93.8%	3,250	3,639	389	12.0%
95.1%	3,250	3,365	115	3.5%
96.3%	3,250	3,353	103	3.2%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,837	15,837	0	0.0%
1.2%	14,124	14,124	0	0.0%
2.5%	13,439	13,439	0	0.0%
3.7%	13,385	13,385	0	0.0%
4.9%	12,281	12,281	0	0.0%
6.2%	12,057	12,057	0	0.0%
7.4%	11,783	11,531	-252	-2.1%
8.6%	10,962	11,059	97	0.9%
9.9%	10,855	10,890	35	0.3%
11.1%	10,307	10,783	477	4.6%
12.3%	10,242	10,242	0	0.0%
13.6%	9,608	9,508	-100	-1.0%
14.8%	9,473	9,414	-59	-0.6%
16.0%	9,395	9,395	0	0.0%
17.3%	9,324	9,392	68	0.7%
18.5%	9,264	9,281	17	0.2%
19.8%	9,247	9,252	5	0.1%
21.0%	9,212	9,208	-5	-0.1%
22.2%	9,150	9,140	-10	-0.1%
23.5%	9,140	9,102	-39	-0.4%
24.7%	9,138	9,002	-136	-1.5%
25.9%	9,129	8,996	-133	-1.5%
27.2%	9,102	8,966	-136	-1.5%
28.4%	9,002	8,830	-172	-1.9%
29.6%	8,996	8,707	-289	-3.2%
30.9%	8,966	8,534	-432	-4.8%
32.1%	8,869	8,262	-607	-6.8%
33.3%	8,778	8,043	-736	-8.4%
34.6%	8,584	7,926	-658	-7.7%
35.8%	8,453	7,829	-623	-7.4%
37.0%	8,436	7,775	-661	-7.8%
38.3%	8,423	7,684	-739	-8.8%
39.5%	8,226	7,619	-607	-7.4%
40.7%	8,140	7,587	-554	-6.8%
42.0%	8,043	7,548	-495	-6.1%
43.2%	7,872	7,467	-405	-5.1%
44.4%	7,684	7,449	-235	-3.1%
45.7%	7,657	7,416	-241	-3.1%
46.9%	7,626	7,329	-298	-3.9%
48.1%	7,591	7,294	-297	-3.9%
49.4%	7,585	7,216	-369	-4.9%
50.6%	7,467	7,201	-266	-3.6%
51.9%	7,427	7,152	-275	-3.7%
53.1%	7,335	7,150	-185	-2.5%
54.3%	7,260	7,102	-158	-2.2%
55.6%	7,071	7,006	-65	-0.9%
56.8%	6,943	6,990	47	0.7%
58.0%	6,936	6,948	12	0.2%
59.3%	6,925	6,902	-23	-0.3%
60.5%	6,923	6,816	-107	-1.5%
61.7%	6,802	6,801	-1	0.0%
63.0%	6,795	6,733	-62	-0.9%
64.2%	6,777	6,684	-93	-1.4%
65.4%	6,725	6,561	-163	-2.4%
66.7%	6,622	6,519	-103	-1.6%
67.9%	6,519	6,322	-197	-3.0%
69.1%	6,519	6,306	-213	-3.3%
70.4%	6,513	6,200	-313	-4.8%
71.6%	6,477	6,200	-277	-4.3%
72.8%	6,446	6,200	-246	-3.8%
74.1%	6,307	6,200	-107	-1.7%
75.3%	6,299	6,133	-166	-2.6%
76.5%	6,123	6,064	-59	-1.0%
77.8%	6,121	5,981	-140	-2.3%
79.0%	6,092	5,970	-121	-2.0%
80.2%	6,064	5,961	-102	-1.7%
81.5%	5,811	5,876	65	1.1%
82.7%	5,663	5,766	103	1.8%
84.0%	5,619	5,765	146	2.6%
85.2%	5,530	5,716	185	3.3%
86.4%	5,504	5,580	76	1.4%
87.7%	5,441	5,563	122	2.3%
88.9%	5,426	5,561	135	2.5%
90.1%	5,331	5,514	183	3.4%
91.4%	5,321	5,302	-19	-0.4%
92.6%	5,319	5,277	-42	-0.8%
93.8%	5,178	5,103	-75	-1.4%
95.1%	5,092	5,084	-7	-0.1%
96.3%	4,410	4,905	495	11.2%
97.5%	4,407	4,308	-99	-2.2%
98.8%	4,388	4,187	-201	-4.6%
100.0%	3,737	3,818	81	2.2%

Table SW-10-9b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,859	19,859	0	0.0%
1.2%	15,000	14,846	-154	-1.0%
2.5%	14,970	12,554	-2,416	-16.1%
3.7%	14,882	12,500	-2,382	-16.0%
4.9%	14,846	12,324	-2,522	-17.0%
6.2%	14,582	12,073	-2,509	-17.2%
7.4%	13,652	12,020	-1,632	-12.0%
8.6%	13,166	11,949	-1,216	-9.2%
9.9%	12,879	11,778	-1,101	-8.5%
11.1%	12,855	11,337	-1,517	-11.8%
12.3%	12,607	11,187	-1,420	-11.3%
13.6%	12,555	11,162	-1,394	-11.1%
14.8%	12,388	11,155	-1,232	-9.9%
16.0%	12,299	11,115	-1,183	-9.6%
17.3%	12,170	11,000	-1,169	-9.6%
18.5%	12,142	10,988	-1,154	-9.5%
19.8%	11,998	10,834	-1,165	-9.7%
21.0%	11,875	10,735	-1,140	-9.6%
22.2%	11,859	10,532	-1,327	-11.2%
23.5%	11,816	10,266	-1,550	-13.1%
24.7%	11,714	10,019	-1,695	-14.5%
25.9%	11,672	9,950	-1,722	-14.8%
27.2%	11,530	9,922	-1,608	-13.9%
28.4%	11,528	9,920	-1,608	-14.0%
29.6%	11,525	9,917	-1,607	-13.9%
30.9%	11,471	9,906	-1,565	-13.6%
32.1%	11,419	9,903	-1,516	-13.3%
33.3%	11,360	9,900	-1,460	-12.9%
34.6%	11,299	9,900	-1,399	-12.4%
35.8%	11,275	9,900	-1,375	-12.2%
37.0%	11,203	9,900	-1,303	-11.6%
38.3%	11,132	9,900	-1,232	-11.1%
39.5%	10,966	9,900	-1,066	-9.7%
40.7%	10,964	9,900	-1,064	-9.7%
42.0%	10,806	9,900	-906	-8.4%
43.2%	10,744	9,900	-844	-7.9%
44.4%	10,693	9,900	-793	-7.4%
45.7%	10,619	9,900	-719	-6.8%
46.9%	10,591	9,900	-691	-6.5%
48.1%	10,546	9,900	-646	-6.1%
49.4%	10,448	9,900	-548	-5.2%
50.6%	10,361	9,900	-461	-4.4%
51.9%	10,334	9,900	-434	-4.2%
53.1%	10,297	9,900	-397	-3.9%
54.3%	10,236	9,900	-336	-3.3%
55.6%	10,221	9,900	-321	-3.1%
56.8%	10,217	9,900	-317	-3.1%
58.0%	10,208	9,900	-308	-3.0%
59.3%	10,123	9,900	-223	-2.2%
60.5%	10,120	9,900	-220	-2.2%
61.7%	10,039	9,900	-139	-1.4%
63.0%	10,021	9,900	-121	-1.2%
64.2%	9,940	9,900	-40	-0.4%
65.4%	9,876	9,900	24	0.2%
66.7%	9,800	9,900	100	1.0%
67.9%	9,791	9,900	109	1.1%
69.1%	9,770	9,844	74	0.8%
70.4%	9,740	9,802	62	0.6%
71.6%	9,719	9,758	39	0.4%
72.8%	9,672	9,736	64	0.7%
74.1%	9,645	9,716	71	0.7%
75.3%	9,643	9,678	35	0.4%
76.5%	9,623	9,650	27	0.3%
77.8%	9,606	9,582	-25	-0.3%
79.0%	9,494	9,557	63	0.7%
80.2%	9,472	9,513	41	0.4%
81.5%	9,415	9,477	62	0.7%
82.7%	9,402	9,462	60	0.6%
84.0%	9,310	9,437	127	1.4%
85.2%	9,191	9,425	234	2.6%
86.4%	9,179	9,322	143	1.6%
87.7%	9,176	9,100	-76	-0.8%
88.9%	9,151	9,001	-150	-1.6%
90.1%	9,048	8,916	-132	-1.5%
91.4%	8,928	8,843	-85	-1.0%
92.6%	8,887	8,784	-103	-1.2%
93.8%	8,668	8,752	85	1.0%
95.1%	8,376	8,636	260	3.1%
96.3%	8,186	8,235	49	0.6%
97.5%	7,946	8,221	275	3.5%
98.8%	7,334	7,921	587	8.0%
100.0%	7,300	7,823	522	7.2%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,987	15,897	-90	-0.6%
1.2%	15,912	15,775	-137	-0.9%
2.5%	15,775	15,000	-775	-4.9%
3.7%	15,115	15,000	-115	-0.8%
4.9%	15,085	15,000	-85	-0.6%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	14,947	-53	-0.4%
19.8%	15,000	14,741	-259	-1.7%
21.0%	15,000	14,316	-684	-4.6%
22.2%	15,000	14,303	-697	-4.6%
23.5%	15,000	14,018	-982	-6.5%
24.7%	15,000	13,945	-1,055	-7.0%
25.9%	15,000	13,912	-1,088	-7.3%
27.2%	15,000	13,840	-1,160	-7.7%
28.4%	15,000	13,835	-1,165	-7.8%
29.6%	14,903	13,755	-1,148	-7.7%
30.9%	14,780	13,739	-1,041	-7.0%
32.1%	14,539	13,632	-907	-6.2%
33.3%	14,273	13,626	-647	-4.5%
34.6%	14,165	13,536	-629	-4.4%
35.8%	14,115	13,433	-682	-4.8%
37.0%	13,988	13,428	-559	-4.0%
38.3%	13,875	13,423	-452	-3.3%
39.5%	13,837	13,373	-465	-3.4%
40.7%	13,725	13,368	-357	-2.6%
42.0%	13,678	13,072	-606	-4.4%
43.2%	13,641	13,034	-606	-4.4%
44.4%	13,548	13,007	-540	-4.0%
45.7%	13,539	12,941	-598	-4.4%
46.9%	13,410	12,847	-563	-4.2%
48.1%	13,348	12,780	-568	-4.3%
49.4%	13,338	12,770	-568	-4.3%
50.6%	13,332	12,713	-619	-4.6%
51.9%	13,286	12,589	-697	-5.2%
53.1%	13,224	12,554	-670	-5.1%
54.3%	13,219	12,500	-719	-5.4%
55.6%	13,011	12,500	-511	-3.9%
56.8%	12,972	12,500	-472	-3.6%
58.0%	12,921	12,449	-472	-3.7%
59.3%	12,864	12,400	-464	-3.6%
60.5%	12,824	12,397	-427	-3.3%
61.7%	12,720	12,302	-417	-3.3%
63.0%	12,535	12,240	-295	-2.4%
64.2%	12,447	12,090	-357	-2.9%
65.4%	12,444	11,979	-465	-3.7%
66.7%	12,438	11,974	-464	-3.7%
67.9%	12,395	11,955	-440	-3.5%
69.1%	12,369	11,919	-450	-3.6%
70.4%	12,355	11,900	-455	-3.7%
71.6%	12,189	11,900	-289	-2.4%
72.8%	12,185	11,813	-372	-3.1%
74.1%	12,134	11,730	-404	-3.3%
75.3%	12,107	11,701	-405	-3.3%
76.5%	12,077	11,558	-519	-4.3%
77.8%	12,053	11,460	-593	-4.9%
79.0%	12,042	11,427	-615	-5.1%
80.2%	11,719	11,400	-319	-2.7%
81.5%	11,691	11,400	-291	-2.5%
82.7%	11,604	11,400	-204	-1.8%
84.0%	11,349	11,400	51	0.5%
85.2%	11,342	11,400	58	0.5%
86.4%	11,024	11,400	376	3.4%
87.7%	10,840	11,400	560	5.2%
88.9%	10,789	11,400	611	5.7%
90.1%	10,771	11,400	629	5.8%
91.4%	10,703	11,400	697	6.5%
92.6%	10,629	11,156	527	5.0%
93.8%	10,571	10,870	299	2.8%
95.1%	10,401	10,524	124	1.2%
96.3%	10,147	10,439	292	2.9%
97.5%	9,660	10,269	609	6.3%
98.8%	9,616	9,634	18	0.2%
100.0%	8,623	8,959	336	3.9%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,207	14,679	473	3.3%
1.2%	14,094	14,207	112	0.8%
2.5%	13,568	13,238	-330	-2.4%
3.7%	13,414	13,161	-252	-1.9%
4.9%	13,238	13,054	-184	-1.4%
6.2%	13,212	12,948	-263	-2.0%
7.4%	13,146	12,446	-701	-5.3%
8.6%	13,133	12,310	-823	-6.3%
9.9%	12,632	12,168	-464	-3.7%
11.1%	12,511	12,046	-465	-3.7%
12.3%	12,356	12,010	-345	-2.8%
13.6%	12,313	11,906	-408	-3.3%
14.8%	12,182	11,805	-377	-3.1%
16.0%	12,127	11,737	-390	-3.2%
17.3%	11,864	11,676	-188	-1.6%
18.5%	11,841	11,614	-227	-1.9%
19.8%	11,834	11,526	-308	-2.6%
21.0%	11,825	11,482	-343	-2.9%
22.2%	11,607	11,471	-136	-1.2%
23.5%	11,565	11,278	-287	-2.5%
24.7%	11,483	11,014	-469	-4.1%
25.9%	11,451	11,014	-437	-3.8%
27.2%	11,274	10,896	-378	-3.3%
28.4%	11,036	10,727	-309	-2.8%
29.6%	11,014	10,597	-417	-3.8%
30.9%	10,987	10,446	-541	-4.9%
32.1%	10,972	10,417	-555	-5.1%
33.3%	10,933	10,411	-523	-4.8%
34.6%	10,923	10,219	-704	-6.4%
35.8%	10,907	10,207	-700	-6.4%
37.0%	10,874	10,178	-696	-6.4%
38.3%	10,850	10,124	-725	-6.7%
39.5%	10,849	10,107	-741	-6.8%
40.7%	10,832	10,100	-731	-6.8%
42.0%	10,829	10,052	-777	-7.2%
43.2%	10,829	10,033	-796	-7.3%
44.4%	10,717	9,881	-835	-7.8%
45.7%	10,696	9,863	-833	-7.8%
46.9%	10,667	9,796	-871	-8.2%
48.1%	10,658	9,778	-880	-8.3%
49.4%	10,638	9,743	-895	-8.4%
50.6%	10,564	9,722	-843	-8.0%
51.9%	10,486	9,700	-786	-7.5%
53.1%	10,436	9,621	-814	-7.8%
54.3%	10,368	9,619	-749	-7.2%
55.6%	10,314	9,617	-698	-6.8%
56.8%	10,291	9,600	-691	-6.7%
58.0%	10,263	9,600	-663	-6.5%
59.3%	10,150	9,600	-550	-5.4%
60.5%	9,986	9,600	-386	-3.9%
61.7%	9,915	9,600	-315	-3.2%
63.0%	9,883	9,600	-283	-2.9%
64.2%	9,844	9,600	-244	-2.5%
65.4%	9,796	9,600	-196	-2.0%
66.7%	9,785	9,600	-185	-1.9%
67.9%	9,750	9,600	-150	-1.5%
69.1%	9,602	9,600	-2	0.0%
70.4%	9,536	9,600	64	0.7%
71.6%	9,525	9,600	75	0.8%
72.8%	9,521	9,600	79	0.8%
74.1%	9,478	9,600	122	1.3%
75.3%	9,464	9,600	136	1.4%
76.5%	9,316	9,600	284	3.1%
77.8%	9,295	9,478	183	2.0%
79.0%	9,217	9,478	261	2.8%
80.2%	9,159	9,459	300	3.3%
81.5%	9,158	9,372	215	2.3%
82.7%	9,039	9,331	291	3.2%
84.0%	9,001	9,287	286	3.2%
85.2%	8,954	9,266	311	3.5%
86.4%	8,921	9,260	339	3.8%
87.7%	8,875	9,246	372	4.2%
88.9%	8,753	9,063	310	3.5%
90.1%	8,734	8,912	178	2.0%
91.4%	8,720	8,829	109	1.2%
92.6%	8,663	8,762	99	1.1%
93.8%	8,605	8,642	37	0.4%
95.1%	8,526	8,324	-202	-2.4%
96.3%	8,503	8,210	-293	-3.4%
97.5%	7,966	8,141	175	2.2%
98.8%	7,494	7,767	273	3.6%
100.0%	7,199	7,545	346	4.8%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,437	14,993	-1,443	-8.8%
1.2%	15,000	14,748	-252	-1.7%
2.5%	15,000	14,544	-456	-3.0%
3.7%	14,861	14,294	-567	-3.8%
4.9%	14,762	13,746	-1,016	-6.9%
6.2%	14,683	13,521	-1,162	-7.9%
7.4%	13,885	13,493	-392	-2.8%
8.6%	13,220	13,120	-99	-0.8%
9.9%	13,042	12,923	-120	-0.9%
11.1%	13,001	12,869	-133	-1.0%
12.3%	12,974	12,467	-507	-3.9%
13.6%	12,778	12,431	-347	-2.7%
14.8%	12,497	11,921	-575	-4.6%
16.0%	12,431	11,906	-526	-4.2%
17.3%	12,244	11,695	-549	-4.5%
18.5%	12,224	11,362	-862	-7.1%
19.8%	12,156	11,358	-797	-6.6%
21.0%	12,047	11,342	-705	-5.8%
22.2%	11,757	11,174	-582	-5.0%
23.5%	11,342	11,109	-233	-2.1%
24.7%	11,260	10,961	-299	-2.7%
25.9%	11,141	10,531	-610	-5.5%
27.2%	10,527	10,480	-47	-0.4%
28.4%	10,460	10,116	-344	-3.3%
29.6%	9,887	9,892	4	0.0%
30.9%	9,526	9,523	-3	0.0%
32.1%	9,501	9,355	-146	-1.5%
33.3%	9,424	9,116	-308	-3.3%
34.6%	9,252	8,846	-406	-4.4%
35.8%	9,192	7,654	-1,538	-16.7%
37.0%	8,816	7,383	-1,433	-16.3%
38.3%	8,734	7,297	-1,437	-16.5%
39.5%	8,250	6,900	-1,350	-16.4%
40.7%	8,014	6,813	-1,200	-15.0%
42.0%	6,843	6,564	-279	-4.1%
43.2%	6,746	6,536	-210	-3.1%
44.4%	6,718	6,491	-227	-3.4%
45.7%	6,706	6,440	-266	-4.0%
46.9%	6,577	6,134	-442	-6.7%
48.1%	6,547	6,023	-524	-8.0%
49.4%	6,535	5,872	-664	-10.2%
50.6%	6,465	5,786	-679	-10.5%
51.9%	6,450	5,760	-689	-10.7%
53.1%	6,260	5,702	-558	-8.9%
54.3%	6,061	5,658	-403	-6.7%
55.6%	6,013	5,625	-388	-6.4%
56.8%	5,967	5,625	-343	-5.7%
58.0%	5,962	5,548	-414	-7.0%
59.3%	5,916	5,500	-416	-7.0%
60.5%	5,907	5,500	-407	-6.9%
61.7%	5,849	5,500	-349	-6.0%
63.0%	5,814	5,500	-314	-5.4%
64.2%	5,792	5,500	-292	-5.0%
65.4%	5,786	5,500	-286	-4.9%
66.7%	5,779	5,500	-279	-4.8%
67.9%	5,778	5,500	-278	-4.8%
69.1%	5,675	5,500	-175	-3.1%
70.4%	5,636	5,500	-136	-2.4%
71.6%	5,515	5,500	-15	-0.3%
72.8%	5,456	5,500	44	0.8%
74.1%	5,446	5,500	54	1.0%
75.3%	5,359	5,500	141	2.6%
76.5%	5,348	5,500	152	2.8%
77.8%	5,207	5,500	293	5.6%
79.0%	5,168	5,473	305	5.9%
80.2%	5,086	5,360	273	5.4%
81.5%	4,946	5,349	403	8.2%
82.7%	4,935	5,250	315	6.4%
84.0%	4,894	5,250	356	7.3%
85.2%	4,771	5,250	479	10.0%
86.4%	4,758	5,250	492	10.3%
87.7%	4,606	5,203	597	13.0%
88.9%	4,578	5,154	577	12.6%
90.1%	4,441	5,125	684	15.4%
91.4%	4,395	4,876	481	11.0%
92.6%	4,351	4,862	511	11.7%
93.8%	4,342	4,577	235	5.4%
95.1%	4,238	4,540	302	7.1%
96.3%	4,231	4,367	136	3.2%
97.5%	4,119	4,322	204	4.9%
98.8%	4,100	4,256	156	3.8%
100.0%	3,250	4,108	858	26.4%

Table SW-11-9a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,118	8,602	11,470	15,095	17,894	14,536	10,653	9,910	11,791	13,426	10,713	8,486
Alternative D	7,120	8,681	12,329	15,526	18,515	14,329	10,528	9,780	11,129	13,127	10,431	8,224
Difference	2	79	858	431	621	-207	-124	-131	-662	-299	-282	-262
Percent Difference[3]	0.0%	0.9%	7.5%	2.9%	3.5%	-1.4%	-1.2%	-1.3%	-5.6%	-2.2%	-2.6%	-3.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,256	11,140	12,019	27,425	30,056	25,065	15,273	12,518	12,054	13,435	11,265	12,845
Alternative D	8,621	10,635	13,179	27,874	30,517	24,822	15,250	12,551	12,054	13,088	11,052	12,331
Difference	365	-505	1,160	449	460	-243	-23	33	0	-347	-214	-514
Percent Difference	4.4%	-4.5%	9.7%	1.6%	1.5%	-1.0%	-0.2%	0.3%	0.0%	-2.6%	-1.9%	-4.0%
Above Normal (15%)												
No Action Alternative	7,002	10,572	11,766	16,070	23,265	15,927	10,423	10,017	12,192	14,362	10,831	8,621
Alternative D	7,268	10,977	12,903	16,072	24,292	15,842	10,518	10,099	11,268	14,187	10,285	8,181
Difference	266	405	1,137	2	1,028	-85	95	82	-924	-175	-547	-440
Percent Difference	3.8%	3.8%	9.7%	0.0%	4.4%	-0.5%	0.9%	0.8%	-7.6%	-1.2%	-5.0%	-5.1%
Below Normal (17%)												
No Action Alternative	6,428	7,368	12,988	9,215	11,748	8,915	8,496	8,585	11,479	13,067	10,265	5,750
Alternative D	6,788	7,861	13,810	9,773	12,522	8,734	8,510	8,495	10,617	13,152	9,729	5,767
Difference	360	493	822	557	774	-181	14	-90	-862	85	-536	17
Percent Difference	5.6%	6.7%	6.3%	6.0%	6.6%	-2.0%	0.2%	-1.1%	-7.5%	0.7%	-5.2%	0.3%
Dry (22%)												
No Action Alternative	6,758	6,697	12,690	7,044	9,056	8,397	7,832	8,572	11,827	13,515	10,819	6,094
Alternative D	6,051	7,128	13,494	7,770	9,792	8,074	7,647	8,449	10,448	12,976	10,380	5,895
Difference	-707	431	804	726	735	-323	-185	-123	-1,379	-538	-439	-200
Percent Difference	-10.5%	6.4%	6.3%	10.3%	8.1%	-3.8%	-2.4%	-1.4%	-11.7%	-4.0%	-4.1%	-3.3%
Critical (15%)												
No Action Alternative	6,116	5,428	6,386	6,341	6,596	6,098	7,619	7,708	11,131	12,756	9,762	5,685
Alternative D	5,711	5,436	6,434	6,573	6,810	5,987	6,985	6,951	10,601	12,346	10,128	5,728
Difference	-405	9	48	233	213	-110	-634	-757	-529	-410	366	43
Percent Difference	-6.6%	0.2%	0.7%	3.7%	3.2%	-1.8%	-8.3%	-9.8%	-4.8%	-3.2%	3.7%	0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-11-9b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

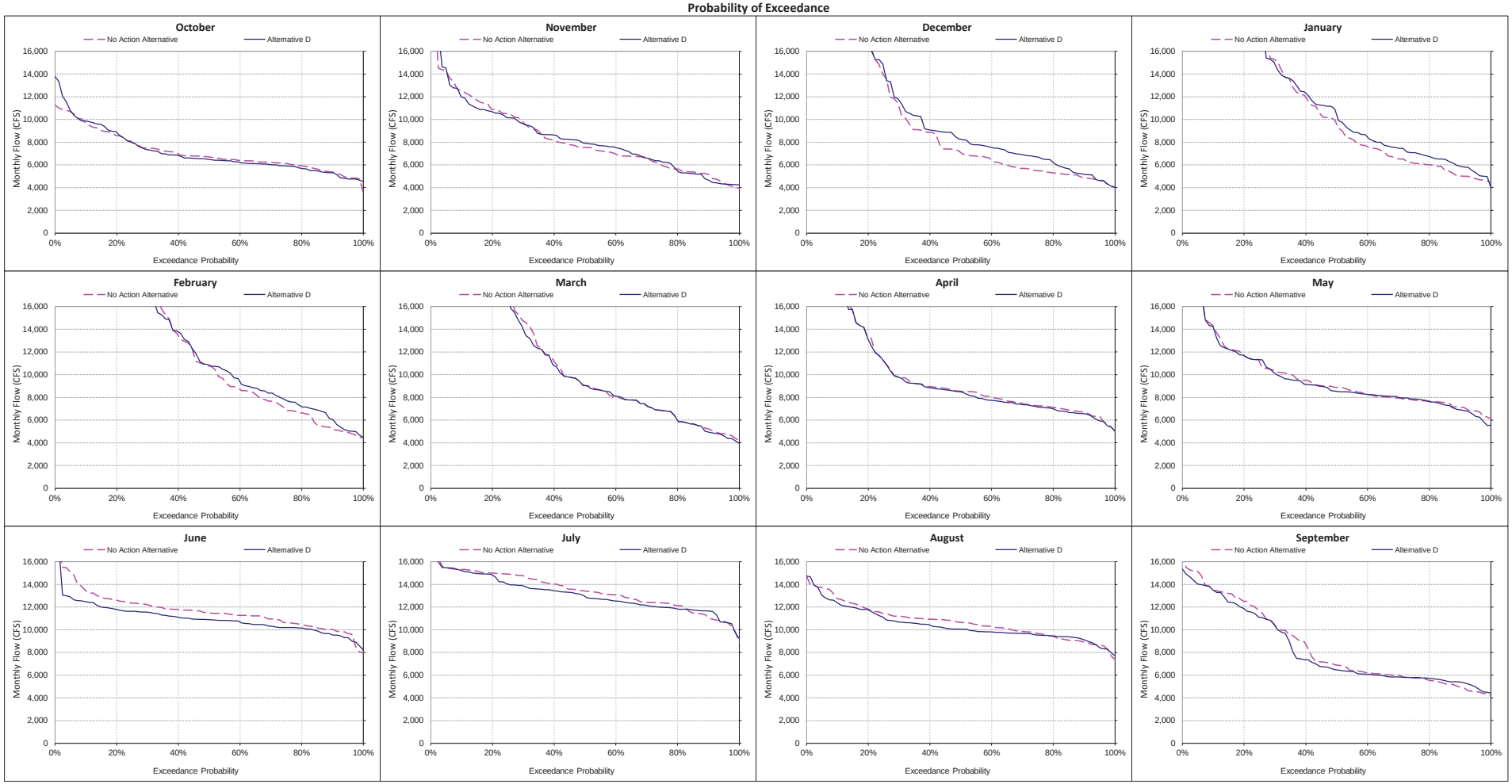

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,279	13,791	2,513	22.3%
1.2%	11,021	13,347	2,327	21.1%
2.5%	10,886	12,039	1,154	10.6%
3.7%	10,809	11,559	750	6.9%
4.9%	10,697	10,810	113	1.1%
6.2%	10,470	10,367	-103	-1.0%
7.4%	10,086	10,096	10	0.1%
8.6%	10,046	9,880	-167	-1.7%
9.9%	9,702	9,868	167	1.7%
11.1%	9,490	9,798	307	3.2%
12.3%	9,320	9,718	398	4.3%
13.6%	9,276	9,605	329	3.5%
14.8%	9,047	9,577	530	5.9%
16.0%	8,947	9,392	445	5.0%
17.3%	8,943	9,074	131	1.5%
18.5%	8,799	8,949	150	1.7%
19.8%	8,607	8,942	335	3.9%
21.0%	8,555	8,603	49	0.6%
22.2%	8,390	8,403	13	0.2%
23.5%	8,131	8,134	3	0.0%
24.7%	8,081	8,017	-64	-0.8%
25.9%	7,773	7,894	121	1.6%
27.2%	7,713	7,623	-90	-1.2%
28.4%	7,498	7,482	-17	-0.2%
29.6%	7,492	7,353	-139	-1.9%
30.9%	7,473	7,306	-167	-2.2%
32.1%	7,460	7,242	-217	-2.9%
33.3%	7,395	7,196	-199	-2.7%
34.6%	7,244	6,994	-250	-3.4%
35.8%	7,219	6,960	-260	-3.6%
37.0%	7,177	6,890	-288	-4.0%
38.3%	7,147	6,874	-273	-3.8%
39.5%	7,066	6,867	-199	-2.8%
40.7%	6,852	6,770	-83	-1.2%
42.0%	6,822	6,611	-211	-3.1%
43.2%	6,805	6,611	-195	-2.9%
44.4%	6,792	6,583	-209	-3.1%
45.7%	6,780	6,574	-206	-3.0%
46.9%	6,757	6,538	-218	-3.2%
48.1%	6,753	6,538	-215	-3.2%
49.4%	6,719	6,496	-222	-3.3%
50.6%	6,681	6,467	-214	-3.2%
51.9%	6,634	6,419	-215	-3.2%
53.1%	6,591	6,416	-176	-2.7%
54.3%	6,495	6,386	-110	-1.7%
55.6%	6,493	6,367	-126	-1.9%
56.8%	6,486	6,365	-120	-1.9%
58.0%	6,475	6,286	-189	-2.9%
59.3%	6,415	6,272	-143	-2.2%
60.5%	6,397	6,168	-230	-3.6%
61.7%	6,364	6,163	-201	-3.2%
63.0%	6,357	6,130	-227	-3.6%
64.2%	6,334	6,110	-224	-3.5%
65.4%	6,301	6,107	-194	-3.1%
66.7%	6,251	6,095	-156	-2.5%
67.9%	6,243	6,094	-149	-2.4%
69.1%	6,226	6,042	-184	-3.0%
70.4%	6,210	6,018	-192	-3.1%
71.6%	6,196	6,008	-188	-3.0%
72.8%	6,162	5,924	-239	-3.9%
74.1%	6,115	5,912	-202	-3.3%
75.3%	6,113	5,910	-204	-3.3%
76.5%	6,032	5,876	-156	-2.6%
77.8%	6,017	5,853	-164	-2.7%
79.0%	5,939	5,744	-194	-3.3%
80.2%	5,920	5,666	-254	-4.3%
81.5%	5,845	5,647	-198	-3.4%
82.7%	5,792	5,502	-289	-5.0%
84.0%	5,696	5,493	-203	-3.6%
85.2%	5,619	5,470	-150	-2.7%
86.4%	5,481	5,379	-101	-1.8%
87.7%	5,443	5,347	-97	-1.8%
88.9%	5,399	5,309	-91	-1.7%
90.1%	5,369	5,308	-61	-1.1%
91.4%	5,261	5,137	-124	-2.4%
92.6%	5,144	4,842	-302	-5.9%
93.8%	4,960	4,821	-139	-2.8%
95.1%	4,854	4,757	-97	-2.0%
96.3%	4,850	4,749	-101	-2.1%
97.5%	4,838	4,749	-90	-1.9%
98.8%	4,746	4,643	-103	-2.2%
100.0%	3,451	4,532	1,081	31.3%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,320	36,790	470	1.3%
1.2%	20,310	20,311	0	0.0%
2.5%	14,530	17,843	3,313	22.8%
3.7%	14,384	14,627	244	1.7%
4.9%	14,311	14,531	220	1.5%
6.2%	13,627	13,017	-609	-4.5%
7.4%	13,326	12,781	-545	-4.1%
8.6%	12,640	12,746	105	0.8%
9.9%	12,564	11,991	-573	-4.6%
11.1%	12,357	11,893	-464	-3.8%
12.3%	12,201	11,363	-838	-6.9%
13.6%	11,943	11,187	-756	-6.3%
14.8%	11,732	11,014	-717	-6.1%
16.0%	11,535	10,887	-648	-5.6%
17.3%	11,403	10,886	-517	-4.5%
18.5%	11,371	10,776	-595	-5.2%
19.8%	10,885	10,696	-189	-1.7%
21.0%	10,881	10,567	-314	-2.9%
22.2%	10,734	10,533	-201	-1.9%
23.5%	10,536	10,411	-125	-1.2%
24.7%	10,508	10,175	-333	-3.2%
25.9%	10,442	10,151	-292	-2.8%
27.2%	10,198	10,117	-82	-0.8%
28.4%	10,154	9,834	-320	-3.2%
29.6%	9,847	9,650	-197	-2.0%
30.9%	9,511	9,510	-1	0.0%
32.1%	9,280	9,449	170	1.8%
33.3%	9,127	9,268	142	1.6%
34.6%	9,085	8,776	-309	-3.4%
35.8%	8,732	8,690	-42	-0.5%
37.0%	8,365	8,668	303	3.6%
38.3%	8,275	8,661	387	4.7%
39.5%	8,215	8,655	441	5.4%
40.7%	8,058	8,589	532	6.6%
42.0%	7,979	8,305	326	4.1%
43.2%	7,920	8,269	349	4.4%
44.4%	7,798	8,267	469	6.0%
45.7%	7,766	8,230	464	6.0%
46.9%	7,692	8,187	495	6.4%
48.1%	7,557	8,140	583	7.7%
49.4%	7,552	7,936	384	5.1%
50.6%	7,531	7,887	356	4.7%
51.9%	7,531	7,843	313	4.2%
53.1%	7,323	7,810	487	6.7%
54.3%	7,258	7,708	450	6.2%
55.6%	7,221	7,687	466	6.5%
56.8%	7,166	7,657	492	6.9%
58.0%	7,119	7,599	480	6.7%
59.3%	7,037	7,587	550	7.8%
60.5%	6,869	7,473	604	8.8%
61.7%	6,795	7,427	633	9.3%
63.0%	6,786	7,291	505	7.4%
64.2%	6,771	7,166	395	5.8%
65.4%	6,760	6,955	195	2.9%
66.7%	6,737	6,939	202	3.0%
67.9%	6,732	6,788	55	0.8%
69.1%	6,732	6,642	-90	-1.3%
70.4%	6,580	6,594	14	0.2%
71.6%	6,343	6,469	126	2.0%
72.8%	6,225	6,368	143	2.3%
74.1%	6,082	6,358	276	4.5%
75.3%	5,913	6,239	326	5.5%
76.5%	5,806	6,236	430	7.4%
77.8%	5,668	6,132	464	8.2%
79.0%	5,648	5,764	117	2.1%
80.2%	5,638	5,376	-262	-4.6%
81.5%	5,449	5,295	-154	-2.8%
82.7%	5,429	5,294	-135	-2.5%
84.0%	5,387	5,253	-134	-2.5%
85.2%	5,379	5,218	-162	-3.0%
86.4%	5,280	5,189	-92	-1.7%
87.7%	5,259	5,172	-86	-1.6%
88.9%	5,253	4,774	-480	-9.1%
90.1%	5,153	4,648	-504	-9.8%
91.4%	4,790	4,439	-351	-7.3%
92.6%	4,748	4,425	-322	-6.8%
93.8%	4,579	4,358	-221	-4.8%
95.1%	4,376	4,321	-55	-1.3%
96.3%	4,239	4,286	47	1.1%
97.5%	4,128	4,279	152	3.7%
98.8%	4,029	4,259	231	5.7%
100.0%	3,936	4,255	319	8.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,822	42,823	1	0.0%
1.2%	41,259	40,251	-1,008	-2.4%
2.5%	34,922	35,866	943	2.7%
3.7%	34,074	34,904	830	2.4%
4.9%	33,410	33,177	-233	-0.7%
6.2%	31,136	31,184	47	0.2%
7.4%	29,912	29,910	-2	0.0%
8.6%	29,696	29,515	-181	-0.6%
9.9%	25,091	28,426	3,334	13.3%
11.1%	23,809	25,860	2,051	8.6%
12.3%	22,287	23,835	1,548	6.9%
13.6%	21,560	23,820	2,260	10.5%
14.8%	21,351	23,004	1,653	7.7%
16.0%	20,125	21,347	1,222	6.1%
17.3%	18,729	21,134	2,406	12.8%
18.5%	18,189	20,751	2,562	14.1%
19.8%	17,210	20,060	2,850	16.6%
21.0%	16,249	16,052	-197	-1.2%
22.2%	15,283	15,286	3	0.0%
23.5%	14,883	15,278	396	2.7%
24.7%	14,038	14,884	846	6.0%
25.9%	13,574	13,403	-171	-1.3%
27.2%	11,964	13,341	1,377	11.5%
28.4%	11,837	11,962	125	1.1%
29.6%	11,462	11,828	366	3.2%
30.9%	10,318	11,323	1,005	9.7%
32.1%	10,115	10,697	582	5.8%
33.3%	9,607	10,540	934	9.7%
34.6%	9,114	10,367	1,253	13.8%
35.8%	9,104	10,323	1,219	13.4%
37.0%	9,074	10,244	1,171	12.9%
38.3%	8,927	9,184	257	2.9%
39.5%	8,872	9,083	211	2.4%
40.7%	8,860	9,067	207	2.3%
42.0%	8,688	8,983	295	3.4%
43.2%	7,771	8,927	1,155	14.9%
44.4%	7,415	8,917	1,502	20.3%
45.7%	7,384	8,875	1,491	20.2%
46.9%	7,383	8,874	1,490	20.2%
48.1%	7,342	8,502	1,161	15.8%
49.4%	7,231	8,279	1,048	14.5%
50.6%	6,951	8,226	1,275	18.3%
51.9%	6,923	8,173	1,251	18.1%
53.1%	6,810	7,840	1,030	15.1%
54.3%	6,783	7,767	984	14.5%
55.6%	6,775	7,763	987	14.6%
56.8%	6,771	7,738	968	14.3%
58.0%	6,681	7,654	973	14.6%
59.3%	6,603	7,586	983	14.9%
60.5%	6,255	7,485	1,230	19.7%
61.7%	6,243	7,483	1,240	19.9%
63.0%	6,143	7,389	1,246	20.3%
64.2%	5,994	7,325	1,330	22.2%
65.4%	5,954	7,103	1,149	19.3%
66.7%	5,831	7,059	1,228	21.1%
67.9%	5,815	6,970	1,155	19.9%
69.1%	5,705	6,951	1,246	21.8%
70.4%	5,690	6,877	1,187	20.9%
71.6%	5,676	6,816	1,140	20.1%
72.8%	5,570	6,793	1,222	21.9%
74.1%	5,524	6,728	1,204	21.8%
75.3%	5,475	6,690	1,215	22.2%
76.5%	5,461	6,529	1,068	19.6%
77.8%	5,365	6,469	1,104	20.6%
79.0%	5,347	6,449	1,102	20.6%
80.2%	5,293	6,154	861	16.3%
81.5%	5,235	5,951	717	13.7%
82.7%	5,225	5,838	614	11.7%
84.0%	5,163	5,711	548	10.6%
85.2%	5,153	5,659	506	9.8%
86.4%	5,126	5,345	220	4.3%
87.7%	5,121	5,269	149	2.9%
88.9%	4,931	5,236	305	6.2%
90.1%	4,891	5,154	262	5.4%
91.4%	4,816	5,138	322	6.7%
92.6%	4,778	5,127	349	7.3%
93.8%	4,711	4,711	0	0.0%
95.1%	4,676	4,605	-70	-1.5%
96.3%	4,606	4,605	0	0.0%
97.5%	4,303	4,304	1	0.0%
98.8%	4,144	4,142	-2	0.0%
100.0%	3,976	4,046	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,541	77,537	-4	0.0%
1.2%	57,064	57,067	3	0.0%
2.5%	51,783	51,792	9	0.0%
3.7%	50,578	50,564	-14	0.0%
4.9%	42,791	43,485	694	1.6%
6.2%	41,455	40,565	-890	-2.1%
7.4%	40,574	40,493	-81	-0.2%
8.6%	34,319	39,823	5,504	16.0%
9.9%	31,949	31,951	2	0.0%
11.1%	30,488	30,485	-3	0.0%
12.3%	27,474	26,703	-771	-2.8%
13.6%	26,710	26,633	-76	-0.3%
14.8%	26,677	26,523	-154	-0.6%
16.0%	26,519	26,243	-276	-1.0%
17.3%	25,821	23,502	-2,319	-9.0%
18.5%	23,516	22,712	-805	-3.4%
19.8%	22,709	22,141	-568	-2.5%
21.0%	20,817	20,622	-195	-0.9%
22.2%	20,128	20,484	356	1.8%
23.5%	19,931	20,111	180	0.9%
24.7%	19,542	19,932	390	2.0%
25.9%	18,554	18,685	131	0.7%
27.2%	17,321	15,410	-1,911	-11.0%
28.4%	15,412	15,294	-118	-0.8%
29.6%	15,293	15,069	-224	-1.5%
30.9%	15,065	14,358	-707	-4.7%
32.1%	14,349	13,907	-442	-3.1%
33.3%	13,725	13,716	-10	-0.1%
34.6%	13,620	13,619	-1	0.0%
35.8%	12,821	13,433	612	4.8%
37.0%	12,374	12,986	613	5.0%
38.3%	12,238	12,490	252	2.1%
39.5%	12,136	12,434	297	2.4%
40.7%	11,655	12,137	482	4.1%
42.0%	11,231	11,659	428	3.8%
43.2%	11,163	11,358	194	1.7%
44.4%	10,534	11,270	736	7.0%
45.7%	10,196	11,225	1,029	10.1%
46.9%	10,174	11,180	1,006	9.9%
48.1%	10,158	11,164	1,007	9.9%
49.4%	9,932	10,935	1,003	10.1%
50.6%	9,218	9,887	669	7.3%
51.9%	8,976	9,746	769	8.6%
53.1%	8,414	9,347	933	11.1%
54.3%	8,351	9,092	741	8.9%
55.6%	8,186	8,860	674	8.2%
56.8%	7,851	8,844	993	12.7%
58.0%	7,754	8,684	930	12.0%
59.3%	7,709	8,657	948	12.3%
60.5%	7,524	8,301	777	10.3%
61.7%	7,468	8,136	668	8.9%
63.0%	7,444	7,999	554	7.4%
64.2%	7,302	7,996	693	9.5%
65.4%	7,132	7,739	607	8.5%
66.7%	6,786	7,658	872	12.9%
67.9%	6,714	7,565	851	12.7%
69.1%	6,603	7,526	924	14.0%
70.4%	6,528	7,470	942	14.4%
71.6%	6,516	7,436	921	14.1%
72.8%	6,302	7,137	835	13.2%
74.1%	6,212	7,078	865	13.9%
75.3%	6,147	7,073	926	15.1%
76.5%	6,125	6,985	860	14.0%
77.8%	6,103	6,902	799	13.1%
79.0%	6,029	6,784	755	12.5%
80.2%	6,012	6,715	703	11.7%
81.5%	5,973	6,587	614	10.3%
82.7%	5,883	6,530	647	11.0%
84.0%	5,882	6,516	634	10.8%
85.2%	5,483	6,475	992	18.1%
86.4%	5,441	6,290	848	15.6%
87.7%	5,282	6,160	878	16.6%
88.9%	5,048	5,974	926	18.3%
90.1%	5,016	5,880	864	17.2%
91.4%	5,009	5,797	788	15.7%
92.6%	4,992	5,787	795	15.9%
93.8%	4,841	5,515	674	13.9%
95.1%	4,793	5,311	518	10.8%
96.3%	4,680	5,047	366	7.8%
97.5%	4,671	5,014	343	7.4%
98.8%	4,595	4,988	394	8.6%
100.0%	4,441	3,966	-475	-10.7%

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,741	75,254	1,513	2.1%
1.2%	62,985	68,129	5,144	8.2%
2.5%	62,796	62,996	200	0.3%
3.7%	55,334	55,332	-2	0.0%
4.9%	48,194	49,753	1,558	3.2%
6.2%	47,418	49,576	2,158	4.6%
7.4%	45,743	47,086	1,343	2.9%
8.6%	43,850	43,894	44	0.1%
9.9%	43,343	43,346	3	0.0%
11.1%	42,098	43,109	1,012	2.4%
12.3%	39,597	42,143	2,546	6.4%
13.6%	39,566	39,600	34	0.1%
14.8%	37,756	37,772	16	0.0%
16.0%	32,915	32,919	3	0.0%
17.3%	32,825	32,826	1	0.0%
18.5%	30,984	30,985	2	0.0%
19.8%	29,868	29,872	4	0.0%
21.0%	27,913	27,913	0	0.0%
22.2%	27,169	27,167	-2	0.0%
23.5%	24,392	25,650	1,258	5.2%
24.7%	24,232	24,230	-1	0.0%
25.9%	23,284	23,282	-1	0.0%
27.2%	20,793	23,042	2,249	10.8%
28.4%	20,711	22,551	1,841	8.9%
29.6%	19,550	20,791	1,241	6.3%
30.9%	17,705	20,712	3,008	17.0%
32.1%	17,162	16,555	-608	-3.5%
33.3%	16,589	15,457	-1,132	-6.8%
34.6%	15,790	15,289	-501	-3.2%
35.8%	15,288	14,919	-370	-2.4%
37.0%	14,927	14,828	-100	-0.7%
38.3%	13,915	13,909	-6	0.0%
39.5%	13,642	13,860	219	1.6%
40.7%	13,102	13,643	542	4.1%
42.0%	12,925	13,110	184	1.4%
43.2%	12,797	12,911	114	0.9%
44.4%	12,302	12,303	1	0.0%
45.7%	11,183	11,833	651	5.8%
46.9%	11,055	11,178	123	1.1%
48.1%	10,953	10,953	-1	0.0%
49.4%	10,770	10,902	132	1.2%
50.6%	10,733	10,767	34	0.3%
51.9%	10,471	10,720	250	2.4%
53.1%	9,836	10,703	867	8.8%
54.3%	9,691	10,473	782	8.1%
55.6%	9,214	10,336	1,122	12.2%
56.8%	8,953	10,134	1,182	13.2%
58.0%	8,944	9,717	773	8.6%
59.3%	8,826	9,679	852	9.7%
60.5%	8,597	9,147	550	6.4%
61.7%	8,587	9,019	432	5.0%
63.0%	8,528	8,951	423	5.0%
64.2%	8,450	8,841	391	4.6%
65.4%	8,182	8,800	619	7.6%
66.7%	7,885	8,600	715	9.1%
67.9%	7,822	8,584	762	9.7%
69.1%	7,680	8,387	708	9.2%
70.4%	7,649	8,383	734	9.6%
71.6%	7,575	8,180	605	8.0%
72.8%	7,354	8,024	670	9.1%
74.1%	7,145	7,859	714	10.0%
75.3%	6,833	7,695	862	12.6%
76.5%	6,828	7,590	763	11.2%
77.8%	6,797	7,576	780	11.5%
79.0%	6,633	7,328	695	10.5%
80.2%	6,630	7,148	519	7.8%
81.5%	6,543	7,139	596	9.1%
82.7%	6,494	7,045	552	8.5%
84.0%	5,844	6,967	1,123	19.2%
85.2%	5,509	6,874	1,364	24.8%
86.4%	5,471	6,777	1,305	23.9%
87.7%	5,403	6,660	1,257	23.3%
88.9%	5,377	6,161	784	14.6%
90.1%	5,165	6,021	857	16.6%
91.4%	5,143	5,614	471	9.1%
92.6%	5,056	5,376	319	6.3%
93.8%	4,970	5,165	195	3.9%
95.1%	4,910	5,058	148	3.0%
96.3%	4,794	5,031	238	5.0%
97.5%	4,666	4,972	306	6.5%
98.8%	4,495	4,667	172	3.8%
100.0%	4,441	4,460	19	0.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,281	69,286	6	0.0%
1.2%	69,130	69,128	-2	0.0%
2.5%	53,612	53,621	9	0.0%
3.7%	50,175	50,168	-7	0.0%
4.9%	46,777	46,778	2	0.0%
6.2%	39,468	35,137	-4,331	-11.0%
7.4%	33,138	33,113	-25	-0.1%
8.6%	31,967	31,946	-22	-0.1%
9.9%	29,384	28,031	-1,352	-4.6%
11.1%	26,760	26,735	-25	-0.1%
12.3%	25,167	25,169	2	0.0%
13.6%	23,886	23,403	-483	-2.0%
14.8%	21,386	21,388	2	0.0%
16.0%	20,528	20,533	5	0.0%
17.3%	19,947	19,930	-16	-0.1%
18.5%	19,929	19,137	-793	-4.0%
19.8%	19,871	19,060	-811	-4.1%
21.0%	19,134	18,980	-154	-0.8%
22.2%	18,532	18,570	39	0.2%
23.5%	18,238	18,535	297	1.6%
24.7%	17,674	17,675	1	0.0%
25.9%	17,354	15,862	-1,492	-8.6%
27.2%	15,647	15,487	-160	-1.0%
28.4%	15,302	14,804	-499	-3.3%
29.6%	14,801	14,257	-544	-3.7%
30.9%	14,581	13,450	-1,131	-7.8%
32.1%	14,256	13,182	-1,073	-7.5%
33.3%	13,653	12,560	-1,094	-8.0%
34.6%	12,557	12,340	-218	-1.7%
35.8%	12,342	12,233	-109	-0.9%
37.0%	11,751	11,809	57	0.5%
38.3%	11,699	11,695	-4	0.0%
39.5%	11,358	10,888	-469	-4.1%
40.7%	10,908	10,668	-240	-2.2%
42.0%	10,645	10,140	-505	-4.7%
43.2%	9,868	9,869	1	0.0%
44.4%	9,798	9,804	6	0.1%
45.7%	9,735	9,731	-3	0.0%
46.9%	9,700	9,691	-9	-0.1%
48.1%	9,419	9,417	-2	0.0%
49.4%	9,087	9,056	-31	-0.3%
50.6%	9,033	9,028	-4	0.0%
51.9%	8,992	8,780	-213	-2.4%
53.1%	8,776	8,699	-77	-0.9%
54.3%	8,697	8,665	-33	-0.4%
55.6%	8,605	8,606	1	0.0%
56.8%	8,491	8,536	45	0.5%
58.0%	8,153	8,496	343	4.2%
59.3%	8,092	8,164	73	0.9%
60.5%	8,017	8,097	80	1.0%
61.7%	7,902	8,012	110	1.4%
63.0%	7,809	7,806	-4	0.0%
64.2%	7,765	7,767	2	0.0%
65.4%	7,764	7,763	-1	0.0%
66.7%	7,759	7,755	-4	-0.1%
67.9%	7,467	7,467	0	0.0%
69.1%	7,448	7,444	-4	-0.1%
70.4%	7,189	7,189	0	0.0%
71.6%	7,083	7,085	2	0.0%
72.8%	6,900	6,893	-7	-0.1%
74.1%	6,882	6,884	2	0.0%
75.3%	6,832	6,839	6	0.1%
76.5%	6,801	6,798	-3	0.0%
77.8%	6,755	6,753	-2	0.0%
79.0%	6,399	6,398	-1	0.0%
80.2%	5,876	5,867	-9	-0.2%
81.5%	5,846	5,848	2	0.0%
82.7%	5,793	5,794	1	0.0%
84.0%	5,674	5,673	0	0.0%
85.2%	5,665	5,654	-11	-0.2%
86.4%	5,531	5,532	1	0.0%
87.7%	5,469	5,470	1	0.0%
88.9%	5,283	5,030	-253	-4.8%
90.1%	5,214	4,931	-283	-5.4%
91.4%	5,038	4,861	-177	-3.5%
92.6%	4,930	4,816	-115	-2.3%
93.8%	4,813	4,756	-57	-1.2%
95.1%	4,805	4,605	-200	-4.2%
96.3%	4,767	4,389	-378	-7.9%
97.5%	4,618	4,387	-231	-5.0%
98.8%	4,388	4,183	-205	-4.7%
100.0%	4,197	3,964	-233	-5.6%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,231	41,236	5	0.0%
1.2%	33,731	33,732	2	0.0%
2.5%	24,731	24,732	2	0.0%
3.7%	23,667	23,666	-1	0.0%
4.9%	22,398	22,399	1	0.0%
6.2%	22,070	22,070	1	0.0%
7.4%	17,934	17,933	0	0.0%
8.6%	17,612	17,615	4	0.0%
9.9%	17,573	17,573	1	0.0%
11.1%	16,912	16,914	2	0.0%
12.3%	16,879	16,884	6	0.0%
13.6%	16,204	15,746	-458	-2.8%
14.8%	15,744	15,741	-4	0.0%
16.0%	14,572	14,575	3	0.0%
17.3%	14,317	14,322	4	0.0%
18.5%	14,172	14,181	9	0.1%
19.8%	13,397	13,197	-200	-1.5%
21.0%	13,196	12,502	-694	-5.3%
22.2%	11,941	11,953	12	0.1%
23.5%	11,702	11,704	2	0.0%
24.7%	11,304	11,305	1	0.0%
25.9%	10,873	10,873	0	0.0%
27.2%	10,482	10,331	-151	-1.4%
28.4%	9,935	9,887	-48	-0.5%
29.6%	9,824	9,775	-48	-0.5%
30.9%	9,743	9,683	-59	-0.6%
32.1%	9,704	9,359	-345	-3.6%
33.3%	9,425	9,256	-169	-1.8%
34.6%	9,256	9,253	-3	0.0%
35.8%	9,204	9,211	7	0.1%
37.0%	9,191	9,169	-22	-0.2%
38.3%	9,091	8,928	-163	-1.8%
39.5%	8,944	8,868	-76	-0.8%
40.7%	8,926	8,822	-104	-1.2%
42.0%	8,890	8,748	-143	-1.6%
43.2%	8,836	8,741	-95	-1.1%
44.4%	8,818	8,685	-133	-1.5%
45.7%	8,759	8,653	-107	-1.2%
46.9%	8,719	8,603	-116	-1.3%
48.1%	8,604	8,530	-74	-0.9%
49.4%	8,552	8,502	-50	-0.6%
50.6%	8,533	8,442	-91	-1.1%
51.9%	8,509	8,286	-224	-2.6%
53.1%	8,502	8,155	-347	-4.1%
54.3%	8,479	8,104	-375	-4.4%
55.6%	8,440	7,930	-510	-6.0%
56.8%	8,195	7,914	-281	-3.4%
58.0%	8,110	7,796	-314	-3.9%
59.3%	8,105	7,761	-344	-4.2%
60.5%	7,964	7,729	-235	-2.9%
61.7%	7,912	7,673	-238	-3.0%
63.0%	7,866	7,650	-215	-2.7%
64.2%	7,734	7,563	-171	-2.2%
65.4%	7,657	7,553	-104	-1.4%
66.7%	7,630	7,553	-77	-1.0%
67.9%	7,556	7,419	-138	-1.8%
69.1%	7,550	7,406	-144	-1.9%
70.4%	7,418	7,353	-65	-0.9%
71.6%	7,381	7,339	-42	-0.6%
72.8%	7,305	7,264	-41	-0.6%
74.1%	7,286	7,205	-81	-1.1%
75.3%	7,256	7,132	-124	-1.7%
76.5%	7,254	7,127	-127	-1.7%
77.8%	7,228	7,076	-152	-2.1%
79.0%	7,147	7,055	-92	-1.3%
80.2%	7,122	6,972	-150	-2.1%
81.5%	7,050	6,813	-238	-3.4%
82.7%	7,016	6,787	-229	-3.3%
84.0%	6,940	6,773	-167	-2.4%
85.2%	6,872	6,657	-216	-3.1%
86.4%	6,806	6,653	-153	-2.2%
87.7%	6,783	6,620	-162	-2.4%
88.9%	6,733	6,576	-157	-2.3%
90.1%	6,694	6,563	-131	-2.0%
91.4%	6,557	6,488	-69	-1.1%
92.6%	6,369	6,299	-70	-1.1%
93.8%	6,322	6,079	-243	-3.8%
95.1%	6,318	5,915	-403	-6.4%
96.3%	5,821	5,900	79	1.4%
97.5%	5,651	5,489	-163	-2.9%
98.8%	5,380	5,380	1	0.0%
100.0%	5,024	5,022	-1	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,596	22,597	2	0.0%
1.2%	19,337	19,340	2	0.0%
2.5%	18,463	18,466	3	0.0%
3.7%	18,153	18,156	3	0.0%
4.9%	17,616	17,616	0	0.0%
6.2%	17,362	17,363	1	0.0%
7.4%	14,874	14,802	-72	-0.5%
8.6%	14,596	14,345	-251	-1.7%
9.9%	14,329	14,257	-72	-0.5%
11.1%	13,696	13,204	-492	-3.6%
12.3%	13,203	12,532	-671	-5.1%
13.6%	12,531	12,368	-163	-1.3%
14.8%	12,265	12,264	-1	0.0%
16.0%	12,225	12,133	-91	-0.7%
17.3%	12,133	12,010	-123	-1.0%
18.5%	12,062	11,747	-315	-2.6%
19.8%	11,691	11,727	36	0.3%
21.0%	11,497	11,498	1	0.0%
22.2%	11,382	11,363	-19	-0.2%
23.5%	11,357	11,316	-40	-0.4%
24.7%	11,312	11,315	4	0.0%
25.9%	10,585	11,310	725	6.8%
27.2%	10,572	10,677	105	1.0%
28.4%	10,483	10,495	12	0.1%
29.6%	10,388	10,196	-192	-1.9%
30.9%	10,231	9,972	-259	-2.5%
32.1%	10,177	9,817	-361	-3.5%
33.3%	10,136	9,630	-506	-5.0%
34.6%	10,069	9,601	-469	-4.7%
35.8%	9,956	9,506	-450	-4.5%
37.0%	9,623	9,498	-125	-1.3%
38.3%	9,548	9,457	-91	-1.0%
39.5%	9,509	9,156	-353	-3.7%
40.7%	9,465	9,131	-334	-3.5%
42.0%	9,292	9,089	-203	-2.2%
43.2%	9,083	9,088	5	0.1%
44.4%	9,049	8,981	-68	-0.8%
45.7%	8,992	8,955	-37	-0.4%
46.9%	8,986	8,867	-118	-1.3%
48.1%	8,979	8,602	-377	-4.2%
49.4%	8,892	8,562	-330	-3.7%
50.6%	8,866	8,510	-357	-4.0%
51.9%	8,860	8,494	-366	-4.1%
53.1%	8,751	8,485	-266	-3.0%
54.3%	8,622	8,464	-157	-1.8%
55.6%	8,599	8,454	-145	-1.7%
56.8%	8,469	8,371	-98	-1.2%
58.0%	8,449	8,304	-145	-1.7%
59.3%	8,268	8,298	30	0.4%
60.5%	8,238	8,250	12	0.1%
61.7%	8,173	8,238	65	0.8%
63.0%	8,074	8,206	133	1.6%
64.2%	8,064	8,154	90	1.1%
65.4%	8,061	8,106	44	0.6%
66.7%	8,026	8,101	75	0.9%
67.9%	8,005	8,101	96	1.2%
69.1%	7,958	8,085	127	1.6%
70.4%	7,941	7,967	26	0.3%
71.6%	7,859	7,954	95	1.2%
72.8%	7,841	7,946	105	1.3%
74.1%	7,816	7,867	51	0.7%
75.3%	7,759	7,863	104	1.3%
76.5%	7,732	7,842	110	1.4%
77.8%	7,702	7,775	73	1.0%
79.0%	7,691	7,726	35	0.5%
80.2%	7,664	7,594	-70	-0.9%
81.5%	7,622	7,593	-29	-0.4%
82.7%	7,612	7,536	-76	-1.0%
84.0%	7,572	7,407	-165	-2.2%
85.2%	7,555	7,333	-222	-2.9%
86.4%	7,493	7,276	-217	-2.9%
87.7%	7,170	7,076	-94	-1.3%
88.9%	7,164	6,939	-225	-3.1%
90.1%	7,147	6,908	-238	-3.3%
91.4%	7,104	6,829	-276	-3.9%
92.6%	6,900	6,768	-133	-1.9%
93.8%	6,834	6,567	-267	-3.9%
95.1%	6,809	6,324	-486	-7.1%
96.3%	6,719	6,246	-472	-7.0%
97.5%	6,356	5,886	-470	-7.4%
98.8%	6,283	5,540	-743	-11.8%
100.0%	6,118	5,535	-583	-9.5%

Table SW-11-9b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,043	25,045	2	0.0%
1.2%	17,350	17,350	0	0.0%
2.5%	15,488	13,072	-2,417	-15.6%
3.7%	15,474	12,987	-2,487	-16.1%
4.9%	15,121	12,898	-2,223	-14.7%
6.2%	14,805	12,632	-2,172	-14.7%
7.4%	13,967	12,568	-1,399	-10.0%
8.6%	13,840	12,557	-1,283	-9.3%
9.9%	13,454	12,472	-982	-7.3%
11.1%	13,235	12,408	-827	-6.2%
12.3%	13,234	12,406	-828	-6.3%
13.6%	13,019	12,177	-841	-6.5%
14.8%	12,908	12,008	-901	-7.0%
16.0%	12,759	11,965	-794	-6.2%
17.3%	12,745	11,941	-804	-6.3%
18.5%	12,674	11,864	-810	-6.4%
19.8%	12,625	11,812	-813	-6.4%
21.0%	12,521	11,745	-776	-6.2%
22.2%	12,493	11,651	-843	-6.7%
23.5%	12,391	11,640	-751	-6.1%
24.7%	12,359	11,622	-737	-6.0%
25.9%	12,351	11,620	-731	-5.9%
27.2%	12,323	11,583	-740	-6.0%
28.4%	12,305	11,575	-731	-5.9%
29.6%	12,235	11,553	-682	-5.6%
30.9%	12,135	11,523	-613	-5.0%
32.1%	12,031	11,453	-577	-4.8%
33.3%	12,014	11,432	-582	-4.8%
34.6%	11,959	11,297	-662	-5.5%
35.8%	11,839	11,281	-558	-4.7%
37.0%	11,817	11,208	-609	-5.2%
38.3%	11,808	11,188	-620	-5.3%
39.5%	11,803	11,134	-669	-5.7%
40.7%	11,756	11,048	-708	-6.0%
42.0%	11,745	11,018	-727	-6.2%
43.2%	11,735	11,018	-717	-6.1%
44.4%	11,711	10,944	-768	-6.6%
45.7%	11,672	10,940	-732	-6.3%
46.9%	11,668	10,916	-753	-6.4%
48.1%	11,546	10,912	-634	-5.5%
49.4%	11,509	10,894	-615	-5.3%
50.6%	11,473	10,893	-581	-5.1%
51.9%	11,451	10,839	-611	-5.3%
53.1%	11,448	10,828	-619	-5.4%
54.3%	11,438	10,822	-615	-5.4%
55.6%	11,420	10,816	-603	-5.3%
56.8%	11,354	10,807	-546	-4.8%
58.0%	11,330	10,791	-539	-4.8%
59.3%	11,279	10,786	-493	-4.4%
60.5%	11,266	10,599	-667	-5.9%
61.7%	11,258	10,565	-693	-6.2%
63.0%	11,255	10,540	-715	-6.4%
64.2%	11,228	10,470	-757	-6.7%
65.4%	11,227	10,468	-758	-6.8%
66.7%	11,214	10,461	-752	-6.7%
67.9%	11,120	10,451	-668	-6.0%
69.1%	10,966	10,332	-634	-5.8%
70.4%	10,950	10,314	-637	-5.8%
71.6%	10,921	10,246	-675	-6.2%
72.8%	10,873	10,203	-670	-6.2%
74.1%	10,641	10,202	-439	-4.1%
75.3%	10,609	10,197	-412	-3.9%
76.5%	10,600	10,193	-407	-3.8%
77.8%	10,549	10,192	-357	-3.4%
79.0%	10,507	10,163	-344	-3.3%
80.2%	10,444	10,162	-282	-2.7%
81.5%	10,359	10,072	-287	-2.8%
82.7%	10,334	10,068	-267	-2.6%
84.0%	10,228	9,978	-249	-2.4%
85.2%	10,155	9,892	-264	-2.6%
86.4%	10,111	9,728	-383	-3.8%
87.7%	10,048	9,659	-389	-3.9%
88.9%	10,039	9,658	-381	-3.8%
90.1%	10,016	9,535	-481	-4.8%
91.4%	9,858	9,526	-332	-3.4%
92.6%	9,853	9,472	-381	-3.9%
93.8%	9,811	9,300	-511	-5.2%
95.1%	9,657	9,297	-360	-3.7%
96.3%	9,601	8,994	-607	-6.3%
97.5%	8,461	8,905	444	5.2%
98.8%	8,032	8,558	526	6.6%
100.0%	8,015	8,204	189	2.4%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,021	17,022	1	0.0%
1.2%	16,939	16,925	-15	-0.1%
2.5%	16,320	15,982	-338	-2.1%
3.7%	15,597	15,496	-101	-0.6%
4.9%	15,434	15,475	41	0.3%
6.2%	15,395	15,445	49	0.3%
7.4%	15,362	15,435	72	0.5%
8.6%	15,324	15,322	-2	0.0%
9.9%	15,321	15,223	-97	-0.6%
11.1%	15,320	15,127	-193	-1.3%
12.3%	15,281	15,088	-193	-1.3%
13.6%	15,205	15,014	-191	-1.3%
14.8%	15,171	14,973	-198	-1.3%
16.0%	15,092	14,946	-146	-1.0%
17.3%	15,031	14,925	-106	-0.7%
18.5%	15,018	14,906	-112	-0.7%
19.8%	15,008	14,874	-134	-0.9%
21.0%	14,977	14,653	-324	-2.2%
22.2%	14,960	14,226	-734	-4.9%
23.5%	14,941	14,217	-725	-4.9%
24.7%	14,908	14,043	-865	-5.8%
25.9%	14,899	13,960	-939	-6.3%
27.2%	14,870	13,950	-920	-6.2%
28.4%	14,783	13,922	-861	-5.8%
29.6%	14,772	13,909	-863	-5.8%
30.9%	14,679	13,775	-904	-6.2%
32.1%	14,480	13,642	-838	-5.8%
33.3%	14,460	13,620	-840	-5.8%
34.6%	14,421	13,603	-818	-5.7%
35.8%	14,212	13,579	-633	-4.5%
37.0%	14,145	13,538	-607	-4.3%
38.3%	14,092	13,525	-567	-4.0%
39.5%	14,041	13,472	-568	-4.0%
40.7%	14,027	13,413	-614	-4.4%
42.0%	13,901	13,362	-539	-3.9%
43.2%	13,866	13,336	-530	-3.8%
44.4%	13,591	13,312	-279	-2.1%
45.7%	13,564	13,283	-281	-2.1%
46.9%	13,545	13,185	-361	-2.7%
48.1%	13,489	13,147	-342	-2.5%
49.4%	13,448	13,048	-400	-3.0%
50.6%	13,397	12,809	-589	-4.4%
51.9%	13,363	12,760	-603	-4.5%
53.1%	13,315	12,760	-556	-4.2%
54.3%	13,291	12,728	-563	-4.2%
55.6%	13,175	12,685	-489	-3.7%
56.8%	13,125	12,677	-448	-3.4%
58.0%	13,104	12,617	-486	-3.7%
59.3%	13,079	12,546	-533	-4.1%
60.5%	13,071	12,525	-546	-4.2%
61.7%	13,009	12,494	-515	-4.0%
63.0%	12,853	12,409	-443	-3.4%
64.2%	12,790	12,368	-421	-3.3%
65.4%	12,710	12,352	-358	-2.8%
66.7%	12,657	12,274	-384	-3.0%
67.9%	12,487	12,197	-290	-2.3%
69.1%	12,464	12,195	-268	-2.2%
70.4%	12,406	12,113	-293	-2.4%
71.6%	12,405	12,053	-352	-2.8%
72.8%	12,403	12,040	-363	-2.9%
74.1%	12,386	12,004	-382	-3.1%
75.3%	12,360	11,965	-395	-3.2%
76.5%	12,336	11,962	-374	-3.0%
77.8%	12,320	11,943	-377	-3.1%
79.0%	12,155	11,903	-252	-2.1%
80.2%	12,130	11,816	-314	-2.6%
81.5%	12,099	11,812	-288	-2.4%
82.7%	11,898	11,809	-89	-0.7%
84.0%	11,579	11,791	213	1.8%
85.2%	11,472	11,753	281	2.4%
86.4%	11,450	11,701	251	2.2%
87.7%	11,409	11,679	270	2.4%
88.9%	11,334	11,678	344	3.0%
90.1%	11,024	11,663	639	5.8%
91.4%	10,935	11,616	681	6.2%
92.6%	10,851	11,323	472	4.3%
93.8%	10,844	10,685	-159	-1.5%
95.1%	10,743	10,661	-82	-0.8%
96.3%	10,604	10,635	32	0.3%
97.5%	10,317	10,537	221	2.1%
98.8%	9,776	9,733	-44	-0.4%
100.0%	8,895	9,223	328	3.7%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,735	14,737	1	0.0%
1.2%	13,942	14,680	738	5.3%
2.5%	13,922	13,938	16	0.1%
3.7%	13,739	13,729	-11	-0.1%
4.9%	13,725	13,046	-678	-4.9%
6.2%	13,606	12,784	-823	-6.0%
7.4%	13,569	12,643	-927	-6.8%
8.6%	13,206	12,624	-582	-4.4%
9.9%	12,741	12,391	-350	-2.7%
11.1%	12,673	12,171	-502	-4.0%
12.3%	12,537	12,102	-436	-3.5%
13.6%	12,438	12,042	-396	-3.2%
14.8%	12,340	11,995	-345	-2.8%
16.0%	12,252	11,916	-337	-2.7%
17.3%	12,151	11,810	-341	-2.8%
18.5%	11,955	11,797	-158	-1.3%
19.8%	11,841	11,786	-55	-0.5%
21.0%	11,691	11,598	-93	-0.8%
22.2%	11,601	11,408	-192	-1.7%
23.5%	11,588	11,256	-333	-2.9%
24.7%	11,443	11,124	-319	-2.8%
25.9%	11,434	10,845	-588	-5.1%
27.2%	11,301	10,832	-470	-4.2%
28.4%	11,208	10,777	-430	-3.8%
29.6%	11,206	10,685	-522	-4.7%
30.9%	11,183	10,664	-520	-4.6%
32.1%	11,132	10,624	-508	-4.6%
33.3%	11,053	10,616	-437	-4.0%
34.6%	11,048	10,573	-475	-4.3%
35.8%	10,995	10,553	-442	-4.0%
37.0%	10,989	10,499	-491	-4.5%
38.3%	10,950	10,490	-460	-4.2%
39.5%	10,930	10,460	-471	-4.3%
40.7%	10,930	10,317	-612	-5.6%
42.0%	10,914	10,256	-658	-6.0%
43.2%	10,898	10,238	-660	-6.1%
44.4%	10,885	10,174	-710	-6.5%
45.7%	10,852	10,119	-733	-6.8%
46.9%	10,811	10,071	-740	-6.8%
48.1%	10,736	10,070	-667	-6.2%
49.4%	10,674	10,065	-609	-5.7%
50.6%	10,649	10,046	-603	-5.7%
51.9%	10,630	10,035	-595	-5.6%
53.1%	10,593	9,927	-665	-6.3%
54.3%	10,492	9,915	-578	-5.5%
55.6%	10,462	9,846	-616	-5.9%
56.8%	10,351	9,844	-507	-4.9%
58.0%	10,334	9,818	-516	-5.0%
59.3%	10,334	9,812	-522	-5.0%
60.5%	10,227	9,798	-430	-4.2%
61.7%	10,203	9,785	-418	-4.1%
63.0%	10,198	9,771	-426	-4.2%
64.2%	10,125	9,740	-385	-3.8%
65.4%	10,078	9,708	-370	-3.7%
66.7%	9,991	9,705	-286	-2.9%
67.9%	9,913	9,691	-222	-2.2%
69.1%	9,893	9,690	-203	-2.1%
70.4%	9,835	9,667	-168	-1.7%
71.6%	9,823	9,662	-160	-1.6%
72.8%	9,798	9,640	-158	-1.6%
74.1%	9,707	9,544	-163	-1.7%
75.3%	9,659	9,526	-133	-1.4%
76.5%	9,614	9,510	-103	-1.1%
77.8%	9,469	9,505	36	0.4%
79.0%	9,462	9,471	9	0.1%
80.2%	9,406	9,462	55	0.6%
81.5%	9,203	9,405	201	2.2%
82.7%	9,195	9,404	209	2.3%
84.0%	9,127	9,397	270	3.0%
85.2%	9,088	9,376	288	3.2%
86.4%	9,081	9,319	238	2.6%
87.7%	9,061	9,306	245	2.7%
88.9%	8,977	9,221	244	2.7%
90.1%	8,892	9,099	207	2.3%
91.4%	8,856	8,973	117	1.3%
92.6%	8,702	8,857	155	1.8%
93.8%	8,666	8,679	14	0.2%
95.1%	8,658	8,403	-255	-2.9%
96.3%	8,584	8,312	-272	-3.2%
97.5%	8,264	8,301	38	0.5%
98.8%	7,686	7,956	269	3.5%
100.0%	7,375	7,715	340	4.6%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,774	15,340	-1,434	-8.6%
1.2%	15,495	14,902	-593	-3.8%
2.5%	15,276	14,640	-637	-4.2%
3.7%	15,182	14,336	-846	-5.6%
4.9%	15,152	14,017	-1,135	-7.5%
6.2%	14,779	13,987	-792	-5.4%
7.4%	13,926	13,896	-30	-0.2%
8.6%	13,864	13,814	-50	-0.4%
9.9%	13,501	13,502	1	0.0%
11.1%	13,438	13,291	-147	-1.1%
12.3%	13,376	13,276	-99	-0.7%
13.6%	13,290	12,890	-400	-3.0%
14.8%	13,217	12,441	-776	-5.9%
16.0%	13,177	12,415	-761	-5.8%
17.3%	12,779	12,309	-470	-3.7%
18.5%	12,769	12,024	-745	-5.8%
19.8%	12,525	11,907	-618	-4.9%
21.0%	12,507	11,637	-870	-7.0%
22.2%	12,136	11,572	-564	-4.7%
23.5%	12,020	11,425	-595	-5.0%
24.7%	11,717	11,109	-608	-5.2%
25.9%	11,467	11,071	-396	-3.5%
27.2%	10,974	10,920	-54	-0.5%
28.4%	10,941	10,849	-92	-0.8%
29.6%	10,465	10,542	77	0.7%
30.9%	10,056	9,999	-57	-0.6%
32.1%	9,977	9,808	-170	-1.7%
33.3%	9,958	9,695	-263	-2.6%
34.6%	9,575	9,047	-528	-5.5%
35.8%	9,470	8,046	-1,424	-15.0%
37.0%	9,222	7,466	-1,757	-19.0%
38.3%	8,940	7,459	-1,481	-16.6%
39.5%	8,934	7,358	-1,576	-17.6%
40.7%	8,306	7,351	-955	-11.5%
42.0%	7,604	7,132	-472	-6.2%
43.2%	7,217	6,997	-219	-3.0%
44.4%	7,183	6,775	-408	-5.7%
45.7%	7,143	6,735	-409	-5.7%
46.9%	7,113	6,711	-402	-5.6%
48.1%	7,057	6,591	-466	-6.6%
49.4%	6,913	6,490	-423	-6.1%
50.6%	6,855	6,438	-416	-6.1%
51.9%	6,830	6,395	-435	-6.4%
53.1%	6,700	6,357	-343	-5.1%
54.3%	6,415	6,334	-81	-1.3%
55.6%	6,394	6,304	-90	-1.4%
56.8%	6,370	6,140	-230	-3.6%
58.0%	6,322	6,104	-219	-3.5%
59.3%	6,227	6,091	-135	-2.2%
60.5%	6,207	6,091	-116	-1.9%
61.7%	6,141	6,029	-113	-1.8%
63.0%	6,133	6,012	-121	-2.0%
64.2%	6,122	5,988	-134	-2.2%
65.4%	6,032	5,938	-94	-1.6%
66.7%	6,027	5,852	-175	-2.9%
67.9%	6,019	5,842	-176	-2.9%
69.1%	5,995	5,841	-155	-2.6%
70.4%	5,991	5,831	-160	-2.7%
71.6%	5,823	5,810	-12	-0.2%
72.8%	5,806	5,805	-1	0.0%
74.1%	5,792	5,796	4	0.1%
75.3%	5,751	5,787	35	0.6%
76.5%	5,736	5,785	48	0.8%
77.8%	5,708	5,761	53	0.9%
79.0%	5,636	5,752	116	2.1%
80.2%	5,514	5,706	192	3.5%
81.5%	5,510	5,675	165	3.0%
82.7%	5,427	5,648	221	4.1%
84.0%	5,345	5,571	226	4.2%
85.2%	5,238	5,514	276	5.3%
86.4%	5,214	5,420	206	4.0%
87.7%	5,176	5,417	241	4.7%
88.9%	5,048	5,410	362	7.2%
90.1%	4,943	5,402	459	9.3%
91.4%	4,868	5,315	447	9.2%
92.6%	4,634	5,216	582	12.6%
93.8%	4,577	5,108	531	11.6%
95.1%	4,529	4,947	418	9.2%
96.3%	4,509	4,718	209	4.6%
97.5%	4,373	4,519	146	3.3%
98.8%	4,353	4,501	147	3.4%
100.0%	4,127	4,404	276	6.7%

Table SW-12-9a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,009	8,619	11,525	15,263	18,025	14,624	10,566	9,505	11,044	12,615	10,052	8,336
Alternative D	6,995	8,593	11,639	14,426	17,333	13,410	10,199	9,309	10,455	12,440	9,776	8,122
Difference	-13	-26	114	-837	-692	-1,214	-368	-196	-588	-175	-276	-215
Percent Difference[3]	-0.2%	-0.3%	1.0%	-5.5%	-3.8%	-8.3%	-3.5%	-2.1%	-5.3%	-1.4%	-2.7%	-2.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,110	11,165	12,073	27,709	30,272	25,221	15,212	11,926	10,975	12,224	10,305	12,617
Alternative D	8,503	10,549	12,213	26,747	29,578	24,275	15,004	11,877	11,086	12,066	10,051	12,233
Difference	393	-616	139	-962	-694	-946	-208	-48	111	-159	-255	-384
Percent Difference	4.8%	-5.5%	1.2%	-3.5%	-2.3%	-3.8%	-1.4%	-0.4%	1.0%	-1.3%	-2.5%	-3.0%
Above Normal (15%)												
No Action Alternative	6,889	10,585	11,813	16,316	23,461	16,046	10,312	9,441	11,141	13,240	9,956	8,419
Alternative D	6,986	10,807	11,936	14,431	22,467	14,726	9,790	9,350	10,382	13,385	9,504	8,005
Difference	97	222	123	-1,885	-994	-1,321	-522	-91	-759	144	-452	-414
Percent Difference	1.4%	2.1%	1.0%	-11.6%	-4.2%	-8.2%	-5.1%	-1.0%	-6.8%	1.1%	-4.5%	-4.9%
Below Normal (17%)												
No Action Alternative	6,325	7,396	13,046	9,331	11,836	8,942	8,376	8,226	10,834	12,363	9,710	5,646
Alternative D	6,691	7,808	13,262	8,370	11,255	7,396	8,065	8,059	9,976	12,557	9,225	5,677
Difference	366	412	216	-961	-580	-1,546	-311	-167	-858	194	-484	31
Percent Difference	5.8%	5.6%	1.7%	-10.3%	-4.9%	-17.3%	-3.7%	-2.0%	-7.9%	1.6%	-5.0%	0.6%
Dry (22%)												
No Action Alternative	6,663	6,712	12,765	7,117	9,125	8,457	7,730	8,323	11,334	13,040	10,432	6,002
Alternative D	5,960	7,030	13,098	6,898	8,508	6,835	7,375	8,210	10,024	12,557	10,011	5,808
Difference	-703	318	333	-219	-616	-1,622	-355	-114	-1,310	-483	-421	-194
Percent Difference	-10.5%	4.7%	2.6%	-3.1%	-6.8%	-19.2%	-4.6%	-1.4%	-11.6%	-3.7%	-4.0%	-3.2%
Critical (15%)												
No Action Alternative	6,057	5,427	6,415	6,383	6,625	6,124	7,565	7,586	10,903	12,494	9,431	5,618
Alternative D	5,647	5,403	6,014	6,085	5,992	5,437	6,921	6,810	10,368	11,992	9,745	5,652
Difference	-410	-25	-400	-298	-633	-687	-644	-775	-535	-502	315	34
Percent Difference	-6.8%	-0.5%	-6.2%	-4.7%	-9.6%	-11.2%	-8.5%	-10.2%	-4.9%	-4.0%	3.3%	0.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-12-9b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

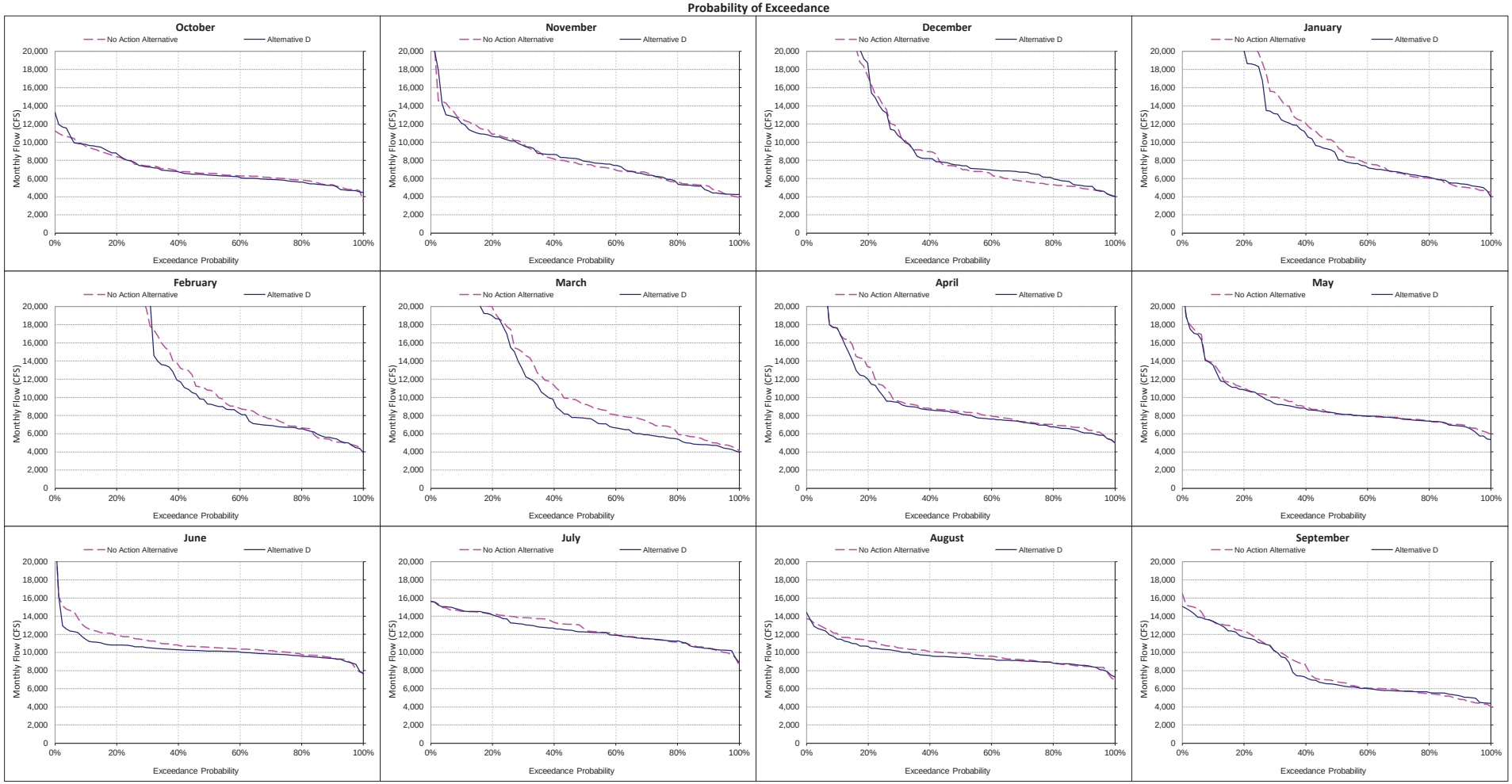

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,234	13,303	2,068	18.4%
1.2%	10,967	11,956	988	9.0%
2.5%	10,748	11,676	928	8.6%
3.7%	10,673	11,549	876	8.2%
4.9%	10,532	10,731	200	1.9%
6.2%	10,406	9,930	-477	-4.6%
7.4%	9,911	9,867	-44	-0.4%
8.6%	9,860	9,799	-62	-0.6%
9.9%	9,573	9,771	198	2.1%
11.1%	9,412	9,632	219	2.3%
12.3%	9,271	9,618	347	3.7%
13.6%	9,162	9,518	356	3.9%
14.8%	8,923	9,462	539	6.0%
16.0%	8,855	9,249	393	4.4%
17.3%	8,703	9,018	315	3.6%
18.5%	8,581	8,826	244	2.8%
19.8%	8,400	8,824	424	5.0%
21.0%	8,335	8,488	153	1.8%
22.2%	8,165	8,211	45	0.6%
23.5%	8,026	8,021	-5	-0.1%
24.7%	7,987	7,935	-53	-0.7%
25.9%	7,578	7,767	190	2.5%
27.2%	7,566	7,443	-123	-1.6%
28.4%	7,443	7,380	-63	-0.8%
29.6%	7,403	7,293	-110	-1.5%
30.9%	7,384	7,250	-134	-1.8%
32.1%	7,369	7,173	-196	-2.7%
33.3%	7,273	7,140	-133	-1.8%
34.6%	7,103	6,936	-167	-2.4%
35.8%	7,092	6,884	-209	-2.9%
37.0%	7,075	6,833	-242	-3.4%
38.3%	6,976	6,817	-159	-2.3%
39.5%	6,881	6,780	-101	-1.5%
40.7%	6,767	6,672	-95	-1.4%
42.0%	6,759	6,554	-205	-3.0%
43.2%	6,751	6,524	-227	-3.4%
44.4%	6,678	6,487	-191	-2.9%
45.7%	6,652	6,483	-168	-2.5%
46.9%	6,602	6,467	-134	-2.0%
48.1%	6,592	6,451	-141	-2.1%
49.4%	6,578	6,407	-171	-2.6%
50.6%	6,562	6,369	-193	-2.9%
51.9%	6,551	6,337	-214	-3.3%
53.1%	6,516	6,310	-206	-3.2%
54.3%	6,432	6,295	-137	-2.1%
55.6%	6,359	6,288	-71	-1.1%
56.8%	6,352	6,266	-86	-1.4%
58.0%	6,343	6,223	-120	-1.9%
59.3%	6,312	6,206	-106	-1.7%
60.5%	6,288	6,059	-229	-3.6%
61.7%	6,284	6,029	-255	-4.1%
63.0%	6,282	6,024	-258	-4.1%
64.2%	6,263	6,019	-244	-3.9%
65.4%	6,241	5,999	-242	-3.9%
66.7%	6,186	5,964	-222	-3.6%
67.9%	6,155	5,948	-207	-3.4%
69.1%	6,137	5,901	-236	-3.8%
70.4%	6,063	5,900	-164	-2.7%
71.6%	6,059	5,878	-182	-3.0%
72.8%	6,023	5,856	-167	-2.8%
74.1%	6,003	5,841	-163	-2.7%
75.3%	5,989	5,756	-233	-3.9%
76.5%	5,904	5,707	-197	-3.3%
77.8%	5,860	5,658	-202	-3.4%
79.0%	5,845	5,607	-238	-4.1%
80.2%	5,845	5,601	-244	-4.2%
81.5%	5,778	5,511	-267	-4.6%
82.7%	5,720	5,430	-290	-5.1%
84.0%	5,602	5,422	-181	-3.2%
85.2%	5,522	5,354	-168	-3.0%
86.4%	5,387	5,325	-62	-1.1%
87.7%	5,345	5,291	-54	-1.0%
88.9%	5,327	5,255	-72	-1.4%
90.1%	5,301	5,246	-54	-1.0%
91.4%	5,150	5,084	-66	-1.3%
92.6%	5,082	4,783	-299	-5.9%
93.8%	4,907	4,746	-161	-3.3%
95.1%	4,798	4,683	-115	-2.4%
96.3%	4,790	4,679	-110	-2.3%
97.5%	4,764	4,663	-101	-2.1%
98.8%	4,673	4,524	-149	-3.2%
100.0%	3,452	4,471	1,019	29.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,392	34,740	-1,652	-4.5%
1.2%	20,440	20,112	-328	-1.6%
2.5%	14,550	17,932	3,382	23.2%
3.7%	14,481	14,205	-276	-1.9%
4.9%	14,307	13,007	-1,300	-9.1%
6.2%	13,757	12,919	-837	-6.1%
7.4%	13,366	12,778	-588	-4.4%
8.6%	12,788	12,636	-151	-1.2%
9.9%	12,591	12,123	-468	-3.7%
11.1%	12,356	11,883	-472	-3.8%
12.3%	12,239	11,394	-844	-6.9%
13.6%	11,992	11,184	-809	-6.7%
14.8%	11,841	11,019	-822	-6.9%
16.0%	11,510	10,904	-606	-5.3%
17.3%	11,403	10,888	-515	-4.5%
18.5%	11,402	10,805	-596	-5.2%
19.8%	10,888	10,680	-208	-1.9%
21.0%	10,881	10,584	-297	-2.7%
22.2%	10,744	10,573	-171	-1.6%
23.5%	10,586	10,423	-164	-1.5%
24.7%	10,483	10,276	-207	-2.0%
25.9%	10,463	10,142	-321	-3.1%
27.2%	10,187	10,140	-47	-0.5%
28.4%	10,169	9,849	-320	-3.1%
29.6%	9,987	9,688	-300	-3.0%
30.9%	9,513	9,498	-15	-0.2%
32.1%	9,294	9,467	173	1.9%
33.3%	9,132	9,302	171	1.9%
34.6%	9,057	8,767	-290	-3.2%
35.8%	8,775	8,753	-22	-0.2%
37.0%	8,363	8,673	310	3.7%
38.3%	8,321	8,667	346	4.2%
39.5%	8,211	8,644	433	5.3%
40.7%	8,076	8,617	541	6.7%
42.0%	8,013	8,310	296	3.7%
43.2%	7,979	8,309	330	4.1%
44.4%	7,877	8,259	382	4.9%
45.7%	7,770	8,236	466	6.0%
46.9%	7,750	8,221	471	6.1%
48.1%	7,558	8,120	562	7.4%
49.4%	7,550	7,938	387	5.1%
50.6%	7,545	7,882	337	4.5%
51.9%	7,535	7,832	297	3.9%
53.1%	7,354	7,700	347	4.7%
54.3%	7,284	7,691	407	5.6%
55.6%	7,231	7,640	409	5.7%
56.8%	7,198	7,608	410	5.7%
58.0%	7,109	7,590	481	6.8%
59.3%	7,026	7,460	435	6.2%
60.5%	6,867	7,424	557	8.1%
61.7%	6,820	7,283	462	6.8%
63.0%	6,787	6,949	163	2.4%
64.2%	6,781	6,809	28	0.4%
65.4%	6,770	6,798	28	0.4%
66.7%	6,745	6,627	-117	-1.7%
67.9%	6,728	6,581	-147	-2.2%
69.1%	6,715	6,471	-244	-3.6%
70.4%	6,580	6,379	-202	-3.1%
71.6%	6,355	6,363	7	0.1%
72.8%	6,231	6,223	-8	-0.1%
74.1%	6,101	6,213	112	1.8%
75.3%	5,887	6,131	244	4.1%
76.5%	5,806	5,919	113	1.9%
77.8%	5,668	5,904	236	4.2%
79.0%	5,632	5,768	136	2.4%
80.2%	5,627	5,368	-259	-4.6%
81.5%	5,454	5,296	-158	-2.9%
82.7%	5,412	5,287	-125	-2.3%
84.0%	5,382	5,284	-98	-1.8%
85.2%	5,372	5,207	-166	-3.1%
86.4%	5,302	5,174	-128	-2.4%
87.7%	5,290	5,164	-126	-2.4%
88.9%	5,237	4,771	-466	-8.9%
90.1%	5,165	4,645	-520	-10.1%
91.4%	4,789	4,422	-367	-7.7%
92.6%	4,735	4,412	-323	-6.8%
93.8%	4,569	4,348	-221	-4.8%
95.1%	4,363	4,308	-55	-1.3%
96.3%	4,241	4,280	38	0.9%
97.5%	4,111	4,265	154	3.7%
98.8%	4,018	4,258	239	6.0%
100.0%	3,921	4,238	317	8.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,097	43,098	1	0.0%
1.2%	41,516	40,508	-1,008	-2.4%
2.5%	35,067	33,913	-1,154	-3.3%
3.7%	34,216	33,319	-897	-2.6%
4.9%	33,579	32,927	-652	-1.9%
6.2%	31,369	31,416	47	0.2%
7.4%	29,999	28,466	-1,534	-5.1%
8.6%	29,836	27,534	-2,302	-7.7%
9.9%	25,158	26,542	1,384	5.5%
11.1%	23,886	23,806	-80	-0.3%
12.3%	22,411	21,838	-574	-2.6%
13.6%	21,681	21,776	95	0.4%
14.8%	21,471	21,466	-4	0.0%
16.0%	20,363	21,004	641	3.1%
17.3%	18,832	20,180	1,347	7.2%
18.5%	18,360	19,184	824	4.5%
19.8%	17,352	18,734	1,382	8.0%
21.0%	16,368	15,404	-965	-5.9%
22.2%	15,339	14,906	-434	-2.8%
23.5%	14,905	14,073	-832	-5.6%
24.7%	14,163	13,473	-690	-4.9%
25.9%	13,589	13,221	-367	-2.7%
27.2%	12,050	11,411	-639	-5.3%
28.4%	11,913	11,296	-617	-5.2%
29.6%	11,594	10,728	-865	-7.5%
30.9%	10,337	10,429	92	0.9%
32.1%	10,161	9,927	-234	-2.3%
33.3%	9,694	9,783	89	0.9%
34.6%	9,158	9,167	9	0.1%
35.8%	9,152	8,461	-691	-7.5%
37.0%	9,145	8,260	-885	-9.7%
38.3%	8,968	8,221	-747	-8.3%
39.5%	8,966	8,197	-769	-8.6%
40.7%	8,923	8,169	-754	-8.4%
42.0%	8,719	7,847	-872	-10.0%
43.2%	7,848	7,844	-4	-0.1%
44.4%	7,474	7,778	304	4.1%
45.7%	7,418	7,743	325	4.4%
46.9%	7,413	7,608	195	2.6%
48.1%	7,382	7,504	122	1.7%
49.4%	7,271	7,494	222	3.1%
50.6%	6,970	7,395	425	6.1%
51.9%	6,966	7,389	424	6.1%
53.1%	6,815	7,108	294	4.3%
54.3%	6,797	7,106	310	4.6%
55.6%	6,787	7,066	280	4.1%
56.8%	6,778	7,062	284	4.2%
58.0%	6,705	6,984	279	4.2%
59.3%	6,610	6,976	366	5.5%
60.5%	6,284	6,902	618	9.8%
61.7%	6,248	6,884	636	10.2%
63.0%	6,163	6,855	692	11.2%
64.2%	6,003	6,849	847	14.1%
65.4%	5,962	6,844	882	14.8%
66.7%	5,853	6,820	968	16.5%
67.9%	5,818	6,796	978	16.8%
69.1%	5,737	6,714	977	17.0%
70.4%	5,709	6,693	985	17.3%
71.6%	5,681	6,668	987	17.4%
72.8%	5,573	6,529	956	17.2%
74.1%	5,539	6,473	934	16.9%
75.3%	5,475	6,451	976	17.8%
76.5%	5,468	6,162	694	12.7%
77.8%	5,369	6,154	786	14.6%
79.0%	5,351	6,134	783	14.6%
80.2%	5,314	5,959	644	12.1%
81.5%	5,250	5,860	610	11.6%
82.7%	5,245	5,758	513	9.8%
84.0%	5,163	5,712	548	10.6%
85.2%	5,162	5,663	501	9.7%
86.4%	5,136	5,349	213	4.2%
87.7%	5,126	5,269	144	2.8%
88.9%	4,935	5,251	317	6.4%
90.1%	4,894	5,162	268	5.5%
91.4%	4,821	5,143	322	6.7%
92.6%	4,778	5,142	364	7.6%
93.8%	4,718	4,718	0	0.0%
95.1%	4,677	4,607	-69	-1.5%
96.3%	4,608	4,606	-1	0.0%
97.5%	4,306	4,307	1	0.0%
98.8%	4,147	4,145	-2	0.0%
100.0%	3,977	4,047	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,092	76,606	-1,486	-1.9%
1.2%	57,390	57,393	3	0.0%
2.5%	52,217	50,105	-2,112	-4.0%
3.7%	51,046	48,911	-2,135	-4.2%
4.9%	43,122	43,816	694	1.6%
6.2%	41,929	39,304	-2,626	-6.3%
7.4%	40,889	38,759	-2,130	-5.2%
8.6%	35,251	38,176	2,925	8.3%
9.9%	32,236	30,869	-1,367	-4.2%
11.1%	30,871	30,116	-755	-2.4%
12.3%	27,604	25,870	-1,734	-6.3%
13.6%	27,045	24,876	-2,169	-8.0%
14.8%	27,041	24,766	-2,276	-8.4%
16.0%	26,882	24,412	-2,470	-9.2%
17.3%	26,112	22,947	-3,164	-12.1%
18.5%	23,617	21,482	-2,135	-9.0%
19.8%	22,945	20,370	-2,575	-11.2%
21.0%	21,167	18,660	-2,507	-11.8%
22.2%	20,626	18,630	-1,996	-9.7%
23.5%	20,445	18,507	-1,939	-9.5%
24.7%	19,839	18,307	-1,532	-7.7%
25.9%	18,772	16,782	-1,990	-10.6%
27.2%	17,647	13,476	-4,171	-23.6%
28.4%	15,596	13,439	-2,157	-13.8%
29.6%	15,562	13,153	-2,409	-15.5%
30.9%	15,203	13,086	-2,117	-13.9%
32.1%	14,569	12,457	-2,112	-14.5%
33.3%	14,023	12,265	-1,758	-12.5%
34.6%	13,976	12,112	-1,864	-13.3%
35.8%	12,934	11,893	-1,042	-8.1%
37.0%	12,561	11,854	-708	-5.6%
38.3%	12,405	11,425	-980	-7.9%
39.5%	12,265	11,202	-1,063	-8.7%
40.7%	11,742	10,556	-1,186	-10.1%
42.0%	11,388	10,381	-1,007	-8.8%
43.2%	11,201	9,625	-1,575	-14.1%
44.4%	10,740	9,551	-1,189	-11.1%
45.7%	10,472	9,356	-1,117	-10.7%
46.9%	10,301	9,261	-1,039	-10.1%
48.1%	10,270	9,154	-1,116	-10.9%
49.4%	10,000	8,919	-1,082	-10.8%
50.6%	9,337	8,053	-1,285	-13.8%
51.9%	9,033	8,025	-1,008	-11.2%
53.1%	8,455	7,822	-633	-7.5%
54.3%	8,378	7,744	-634	-7.6%
55.6%	8,361	7,663	-698	-8.3%
56.8%	8,043	7,647	-396	-4.9%
58.0%	7,922	7,460	-462	-5.8%
59.3%	7,744	7,395	-350	-4.5%
60.5%	7,620	7,160	-460	-6.0%
61.7%	7,540	7,105	-435	-5.8%
63.0%	7,508	7,016	-492	-6.6%
64.2%	7,308	6,998	-310	-4.2%
65.4%	7,220	6,927	-293	-4.1%
66.7%	6,860	6,859	-2	0.0%
67.9%	6,766	6,779	13	0.2%
69.1%	6,650	6,758	108	1.6%
70.4%	6,619	6,711	92	1.4%
71.6%	6,530	6,587	57	0.9%
72.8%	6,314	6,531	217	3.4%
74.1%	6,244	6,423	179	2.9%
75.3%	6,172	6,398	226	3.7%
76.5%	6,154	6,301	147	2.4%
77.8%	6,107	6,227	120	2.0%
79.0%	6,074	6,216	142	2.3%
80.2%	6,033	6,102	69	1.1%
81.5%	6,001	6,001	0	0.0%
82.7%	5,888	5,882	-5	-0.1%
84.0%	5,885	5,842	-42	-0.7%
85.2%	5,483	5,801	318	5.8%
86.4%	5,464	5,536	72	1.3%
87.7%	5,282	5,515	233	4.4%
88.9%	5,128	5,500	372	7.3%
90.1%	5,079	5,411	332	6.5%
91.4%	5,040	5,389	349	6.9%
92.6%	4,997	5,333	336	6.7%
93.8%	4,941	5,188	247	5.0%
95.1%	4,886	5,126	241	4.9%
96.3%	4,727	5,078	351	7.4%
97.5%	4,692	4,993	301	6.4%
98.8%	4,608	4,637	28	0.6%
100.0%	4,463	3,970	-493	-11.0%

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,347	73,997	-350	-0.5%
1.2%	63,776	66,551	2,775	4.4%
2.5%	63,339	63,787	448	0.7%
3.7%	55,701	55,699	-2	0.0%
4.9%	48,307	47,903	-405	-0.8%
6.2%	47,665	47,703	37	0.1%
7.4%	46,014	45,078	-936	-2.0%
8.6%	44,215	43,523	-692	-1.6%
9.9%	43,520	42,363	-1,157	-2.7%
11.1%	42,318	42,138	-180	-0.4%
12.3%	39,842	41,259	1,417	3.6%
13.6%	39,837	37,725	-2,112	-5.3%
14.8%	38,278	36,173	-2,105	-5.5%
16.0%	33,017	32,938	-80	-0.2%
17.3%	32,937	31,873	-1,063	-3.2%
18.5%	31,197	29,077	-2,119	-6.8%
19.8%	30,223	28,833	-1,390	-4.6%
21.0%	28,064	25,942	-2,121	-7.6%
22.2%	27,321	25,197	-2,124	-7.8%
23.5%	24,548	23,753	-795	-3.2%
24.7%	24,343	22,221	-2,123	-8.7%
25.9%	23,544	21,688	-1,857	-7.9%
27.2%	20,903	21,422	518	2.5%
28.4%	20,834	20,835	1	0.0%
29.6%	19,774	20,691	917	4.6%
30.9%	17,823	20,571	2,748	15.4%
32.1%	17,423	14,611	-2,813	-16.1%
33.3%	16,767	14,003	-2,764	-16.5%
34.6%	15,985	13,598	-2,387	-14.9%
35.8%	15,464	13,531	-1,933	-12.5%
37.0%	15,145	13,344	-1,801	-11.9%
38.3%	14,009	12,824	-1,185	-8.5%
39.5%	13,805	11,927	-1,878	-13.6%
40.7%	13,192	11,686	-1,506	-11.4%
42.0%	13,023	11,078	-1,945	-14.9%
43.2%	12,985	10,889	-2,097	-16.1%
44.4%	12,511	10,519	-1,993	-15.9%
45.7%	11,237	10,391	-846	-7.5%
46.9%	11,170	9,827	-1,343	-12.0%
48.1%	11,117	9,799	-1,318	-11.9%
49.4%	10,802	9,260	-1,542	-14.3%
50.6%	10,784	9,239	-1,545	-14.3%
51.9%	10,516	9,111	-1,406	-13.4%
53.1%	9,976	8,995	-981	-9.8%
54.3%	9,827	8,993	-834	-8.5%
55.6%	9,296	8,677	-620	-6.7%
56.8%	9,048	8,668	-379	-4.2%
58.0%	9,031	8,660	-372	-4.1%
59.3%	8,875	8,356	-520	-5.9%
60.5%	8,716	8,106	-610	-7.0%
61.7%	8,652	8,100	-551	-6.4%
63.0%	8,615	7,383	-1,232	-14.3%
64.2%	8,492	7,113	-1,379	-16.2%
65.4%	8,210	7,078	-1,132	-13.8%
66.7%	7,908	7,012	-896	-11.3%
67.9%	7,864	6,940	-924	-11.7%
69.1%	7,681	6,929	-752	-9.8%
70.4%	7,618	6,889	-728	-9.6%
71.6%	7,605	6,811	-795	-10.4%
72.8%	7,373	6,752	-621	-8.4%
74.1%	7,209	6,737	-471	-6.5%
75.3%	6,888	6,715	-172	-2.5%
76.5%	6,850	6,708	-142	-2.1%
77.8%	6,836	6,664	-172	-2.5%
79.0%	6,650	6,533	-117	-1.8%
80.2%	6,636	6,523	-114	-1.7%
81.5%	6,576	6,397	-179	-2.7%
82.7%	6,545	6,289	-257	-3.9%
84.0%	5,881	6,200	319	5.4%
85.2%	5,554	5,925	371	6.7%
86.4%	5,487	5,757	270	4.9%
87.7%	5,453	5,626	172	3.2%
88.9%	5,406	5,619	214	4.0%
90.1%	5,174	5,508	334	6.4%
91.4%	5,092	5,404	313	6.1%
92.6%	5,082	5,175	93	1.8%
93.8%	4,983	5,028	45	0.9%
95.1%	4,913	4,985	72	1.5%
96.3%	4,792	4,678	-113	-2.4%
97.5%	4,678	4,466	-212	-4.5%
98.8%	4,502	4,390	-112	-2.5%
100.0%	4,447	3,903	-544	-12.2%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,676	69,635	-42	-0.1%
1.2%	69,651	67,561	-2,090	-3.0%
2.5%	53,836	52,824	-1,012	-1.9%
3.7%	50,420	50,405	-16	0.0%
4.9%	47,071	47,065	-6	0.0%
6.2%	39,950	35,611	-4,339	-10.9%
7.4%	33,325	31,179	-2,147	-6.4%
8.6%	32,127	29,984	-2,143	-6.7%
9.9%	29,614	28,254	-1,361	-4.6%
11.1%	27,030	24,884	-2,146	-7.9%
12.3%	25,386	24,672	-714	-2.8%
13.6%	23,894	23,277	-616	-2.6%
14.8%	21,569	21,563	-6	0.0%
16.0%	20,575	20,047	-528	-2.6%
17.3%	20,155	19,231	-924	-4.6%
18.5%	20,054	19,209	-845	-4.2%
19.8%	20,050	19,044	-1,006	-5.0%
21.0%	19,215	18,684	-531	-2.8%
22.2%	18,633	18,628	-5	0.0%
23.5%	18,359	17,807	-553	-3.0%
24.7%	17,814	16,989	-825	-4.6%
25.9%	17,485	15,491	-1,993	-11.4%
27.2%	15,479	15,017	-461	-3.0%
28.4%	15,310	13,949	-1,361	-8.9%
29.6%	15,023	13,179	-1,844	-12.3%
30.9%	14,594	12,251	-2,343	-16.1%
32.1%	14,371	12,044	-2,327	-16.2%
33.3%	13,660	11,782	-1,879	-13.8%
34.6%	12,704	11,361	-1,343	-10.6%
35.8%	12,401	10,585	-1,816	-14.6%
37.0%	11,893	10,277	-1,616	-13.6%
38.3%	11,794	9,943	-1,851	-15.7%
39.5%	11,488	9,829	-1,658	-14.4%
40.7%	11,038	8,896	-2,141	-19.4%
42.0%	10,674	8,576	-2,098	-19.7%
43.2%	9,951	8,178	-1,773	-17.8%
44.4%	9,918	8,149	-1,769	-17.8%
45.7%	9,794	7,803	-1,991	-20.3%
46.9%	9,771	7,789	-1,982	-20.3%
48.1%	9,525	7,763	-1,762	-18.5%
49.4%	9,242	7,738	-1,504	-16.3%
50.6%	9,204	7,669	-1,535	-16.7%
51.9%	9,025	7,641	-1,385	-15.3%
53.1%	8,802	7,402	-1,400	-15.9%
54.3%	8,741	7,130	-1,612	-18.4%
55.6%	8,631	7,090	-1,542	-17.9%
56.8%	8,564	7,079	-1,485	-17.3%
58.0%	8,174	6,777	-1,398	-17.1%
59.3%	8,127	6,684	-1,443	-17.8%
60.5%	8,026	6,622	-1,404	-17.5%
61.7%	7,927	6,526	-1,401	-17.7%
63.0%	7,870	6,448	-1,422	-18.1%
64.2%	7,805	6,447	-1,358	-17.4%
65.4%	7,774	6,115	-1,659	-21.3%
66.7%	7,752	6,011	-1,742	-22.5%
67.9%	7,615	6,005	-1,610	-21.1%
69.1%	7,512	5,889	-1,623	-21.6%
70.4%	7,258	5,884	-1,374	-18.9%
71.6%	7,136	5,802	-1,334	-18.7%
72.8%	6,904	5,750	-1,154	-16.7%
74.1%	6,870	5,671	-1,199	-17.5%
75.3%	6,853	5,667	-1,186	-17.3%
76.5%	6,836	5,566	-1,270	-18.6%
77.8%	6,731	5,493	-1,238	-18.4%
79.0%	6,474	5,483	-991	-15.3%
80.2%	5,912	5,387	-526	-8.9%
81.5%	5,892	5,137	-755	-12.8%
82.7%	5,808	4,997	-811	-14.0%
84.0%	5,690	4,974	-716	-12.6%
85.2%	5,676	4,872	-804	-14.2%
86.4%	5,573	4,832	-742	-13.3%
87.7%	5,491	4,800	-690	-12.6%
88.9%	5,260	4,790	-470	-8.9%
90.1%	5,234	4,769	-465	-8.9%
91.4%	5,004	4,720	-284	-5.7%
92.6%	5,004	4,710	-295	-5.9%
93.8%	4,837	4,567	-270	-5.6%
95.1%	4,784	4,399	-385	-8.0%
96.3%	4,741	4,363	-379	-8.0%
97.5%	4,602	4,265	-336	-7.3%
98.8%	4,393	4,114	-280	-6.4%
100.0%	4,145	3,953	-192	-4.6%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,367	41,371	5	0.0%
1.2%	33,800	33,802	2	0.0%
2.5%	24,788	24,790	2	0.0%
3.7%	23,656	23,655	-1	0.0%
4.9%	22,542	22,543	1	0.0%
6.2%	22,166	22,167	1	0.0%
7.4%	17,986	17,983	-2	0.0%
8.6%	17,705	17,709	4	0.0%
9.9%	17,633	17,634	1	0.0%
11.1%	16,776	16,778	2	0.0%
12.3%	16,419	15,824	-596	-3.6%
13.6%	16,384	14,953	-1,431	-8.7%
14.8%	15,822	14,038	-1,784	-11.3%
16.0%	14,515	12,969	-1,547	-10.7%
17.3%	14,356	12,461	-1,895	-13.2%
18.5%	14,276	12,373	-1,904	-13.3%
19.8%	13,396	12,035	-1,361	-10.2%
21.0%	13,258	11,441	-1,817	-13.7%
22.2%	12,023	11,326	-697	-5.8%
23.5%	11,442	10,697	-745	-6.5%
24.7%	11,325	10,194	-1,130	-10.0%
25.9%	10,893	9,585	-1,309	-12.0%
27.2%	10,409	9,576	-833	-8.0%
28.4%	9,609	9,497	-112	-1.2%
29.6%	9,607	9,455	-151	-1.6%
30.9%	9,478	9,183	-295	-3.1%
32.1%	9,329	9,057	-272	-2.9%
33.3%	9,304	8,979	-325	-3.5%
34.6%	9,202	8,952	-251	-2.7%
35.8%	9,120	8,895	-225	-2.5%
37.0%	8,873	8,749	-124	-1.4%
38.3%	8,818	8,693	-126	-1.4%
39.5%	8,818	8,621	-197	-2.2%
40.7%	8,720	8,595	-125	-1.4%
42.0%	8,704	8,551	-153	-1.8%
43.2%	8,665	8,546	-119	-1.4%
44.4%	8,656	8,497	-159	-1.8%
45.7%	8,615	8,488	-127	-1.5%
46.9%	8,597	8,362	-236	-2.7%
48.1%	8,492	8,335	-157	-1.8%
49.4%	8,451	8,227	-223	-2.6%
50.6%	8,450	8,123	-327	-3.9%
51.9%	8,351	8,072	-278	-3.3%
53.1%	8,335	8,049	-286	-3.4%
54.3%	8,277	7,862	-415	-5.0%
55.6%	8,261	7,743	-518	-6.3%
56.8%	8,088	7,707	-380	-4.7%
58.0%	8,051	7,681	-370	-4.6%
59.3%	8,015	7,628	-386	-4.8%
60.5%	7,897	7,610	-288	-3.6%
61.7%	7,864	7,538	-326	-4.1%
63.0%	7,749	7,537	-212	-2.7%
64.2%	7,743	7,473	-270	-3.5%
65.4%	7,663	7,452	-210	-2.7%
66.7%	7,582	7,418	-164	-2.2%
67.9%	7,478	7,389	-89	-1.2%
69.1%	7,346	7,346	0	0.0%
70.4%	7,334	7,223	-112	-1.5%
71.6%	7,275	7,206	-69	-0.9%
72.8%	7,270	7,124	-146	-2.0%
74.1%	7,166	7,106	-60	-0.8%
75.3%	7,105	6,954	-151	-2.1%
76.5%	7,073	6,947	-126	-1.8%
77.8%	7,044	6,935	-109	-1.6%
79.0%	7,029	6,751	-278	-4.0%
80.2%	7,023	6,748	-276	-3.9%
81.5%	6,907	6,673	-234	-3.4%
82.7%	6,896	6,602	-294	-4.3%
84.0%	6,866	6,601	-265	-3.9%
85.2%	6,805	6,568	-237	-3.5%
86.4%	6,736	6,474	-261	-3.9%
87.7%	6,710	6,374	-336	-5.0%
88.9%	6,689	6,203	-486	-7.3%
90.1%	6,633	6,088	-545	-8.2%
91.4%	6,392	6,081	-311	-4.9%
92.6%	6,358	6,056	-302	-4.7%
93.8%	6,198	5,921	-277	-4.5%
95.1%	6,162	5,833	-329	-5.3%
96.3%	5,820	5,831	11	0.2%
97.5%	5,479	5,436	-43	-0.8%
98.8%	5,336	5,340	4	0.1%
100.0%	4,994	4,992	-1	0.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,541	22,543	2	0.0%
1.2%	18,878	18,881	2	0.0%
2.5%	18,005	17,548	-457	-2.5%
3.7%	17,546	17,072	-473	-2.7%
4.9%	17,072	16,960	-112	-0.7%
6.2%	16,959	16,333	-626	-3.7%
7.4%	14,152	14,080	-72	-0.5%
8.6%	13,944	13,872	-72	-0.5%
9.9%	13,824	13,573	-251	-1.8%
11.1%	13,268	12,684	-584	-4.4%
12.3%	12,683	11,801	-881	-6.9%
13.6%	11,801	11,694	-107	-0.9%
14.8%	11,693	11,362	-331	-2.8%
16.0%	11,679	11,112	-567	-4.9%
17.3%	11,364	11,100	-263	-2.3%
18.5%	11,220	10,886	-334	-3.0%
19.8%	11,070	10,852	-218	-2.0%
21.0%	10,851	10,713	-138	-1.3%
22.2%	10,668	10,598	-71	-0.7%
23.5%	10,569	10,596	28	0.3%
24.7%	10,425	10,287	-138	-1.3%
25.9%	10,393	10,059	-334	-3.2%
27.2%	10,288	9,767	-521	-5.1%
28.4%	10,032	9,646	-386	-3.8%
29.6%	10,024	9,341	-683	-6.8%
30.9%	9,985	9,224	-761	-7.6%
32.1%	9,857	9,221	-636	-6.4%
33.3%	9,712	9,128	-584	-6.0%
34.6%	9,558	9,067	-491	-5.1%
35.8%	9,533	8,987	-546	-5.7%
37.0%	9,110	8,870	-240	-2.6%
38.3%	9,107	8,833	-274	-3.0%
39.5%	8,980	8,828	-152	-1.7%
40.7%	8,870	8,615	-255	-2.9%
42.0%	8,690	8,612	-78	-0.9%
43.2%	8,685	8,577	-108	-1.2%
44.4%	8,639	8,519	-120	-1.4%
45.7%	8,623	8,415	-208	-2.4%
46.9%	8,385	8,413	28	0.3%
48.1%	8,314	8,338	23	0.3%
49.4%	8,186	8,280	93	1.1%
50.6%	8,182	8,173	-9	-0.1%
51.9%	8,136	8,166	31	0.4%
53.1%	8,132	8,134	2	0.0%
54.3%	8,121	8,122	1	0.0%
55.6%	8,025	8,018	-7	-0.1%
56.8%	7,986	8,010	24	0.3%
58.0%	7,945	7,995	49	0.6%
59.3%	7,945	7,951	6	0.1%
60.5%	7,938	7,924	-13	-0.2%
61.7%	7,932	7,923	-9	-0.1%
63.0%	7,846	7,923	77	1.0%
64.2%	7,843	7,899	56	0.7%
65.4%	7,821	7,832	11	0.1%
66.7%	7,818	7,831	13	0.2%
67.9%	7,808	7,792	-16	-0.2%
69.1%	7,807	7,709	-98	-1.3%
70.4%	7,784	7,705	-78	-1.0%
71.6%	7,646	7,585	-61	-0.8%
72.8%	7,616	7,569	-47	-0.6%
74.1%	7,608	7,546	-63	-0.8%
75.3%	7,599	7,472	-127	-1.7%
76.5%	7,554	7,442	-112	-1.5%
77.8%	7,519	7,434	-85	-1.1%
79.0%	7,440	7,419	-21	-0.3%
80.2%	7,400	7,383	-17	-0.2%
81.5%	7,298	7,346	48	0.7%
82.7%	7,273	7,342	69	1.0%
84.0%	7,257	7,277	20	0.3%
85.2%	7,136	7,192	56	0.8%
86.4%	7,059	6,961	-98	-1.4%
87.7%	7,042	6,919	-123	-1.7%
88.9%	7,038	6,901	-137	-1.9%
90.1%	6,996	6,854	-141	-2.0%
91.4%	6,950	6,781	-168	-2.4%
92.6%	6,773	6,673	-100	-1.5%
93.8%	6,624	6,419	-206	-3.1%
95.1%	6,607	6,149	-458	-6.9%
96.3%	6,340	5,751	-589	-9.3%
97.5%	6,267	5,744	-522	-8.3%
98.8%	6,148	5,430	-718	-11.7%
100.0%	5,942	5,358	-585	-9.8%

Table SW-12-9b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,930	23,932	2	0.0%
1.2%	16,154	16,154	0	0.0%
2.5%	15,144	12,934	-2,210	-14.6%
3.7%	14,772	12,589	-2,182	-14.8%
4.9%	14,616	12,348	-2,269	-15.5%
6.2%	14,495	12,295	-2,200	-15.2%
7.4%	13,808	12,177	-1,630	-11.8%
8.6%	13,165	11,810	-1,355	-10.3%
9.9%	12,789	11,451	-1,338	-10.5%
11.1%	12,580	11,222	-1,357	-10.8%
12.3%	12,448	11,170	-1,278	-10.3%
13.6%	12,358	11,126	-1,232	-10.0%
14.8%	12,189	11,079	-1,110	-9.1%
16.0%	12,138	10,939	-1,199	-9.9%
17.3%	12,123	10,860	-1,263	-10.4%
18.5%	12,108	10,828	-1,280	-10.6%
19.8%	11,882	10,824	-1,059	-8.9%
21.0%	11,863	10,823	-1,040	-8.8%
22.2%	11,727	10,816	-911	-7.8%
23.5%	11,724	10,795	-929	-7.9%
24.7%	11,706	10,747	-960	-8.2%
25.9%	11,527	10,632	-895	-7.8%
27.2%	11,492	10,623	-869	-7.6%
28.4%	11,421	10,613	-808	-7.1%
29.6%	11,345	10,530	-815	-7.2%
30.9%	11,274	10,500	-775	-6.9%
32.1%	11,267	10,464	-804	-7.1%
33.3%	11,137	10,463	-674	-6.1%
34.6%	10,988	10,405	-583	-5.3%
35.8%	10,963	10,384	-579	-5.3%
37.0%	10,951	10,349	-602	-5.5%
38.3%	10,854	10,317	-537	-4.9%
39.5%	10,833	10,316	-518	-4.8%
40.7%	10,739	10,293	-446	-4.2%
42.0%	10,706	10,286	-420	-3.9%
43.2%	10,689	10,225	-464	-4.3%
44.4%	10,683	10,212	-472	-4.4%
45.7%	10,658	10,198	-460	-4.3%
46.9%	10,622	10,195	-426	-4.0%
48.1%	10,620	10,170	-450	-4.2%
49.4%	10,589	10,158	-430	-4.1%
50.6%	10,551	10,156	-395	-3.7%
51.9%	10,528	10,147	-381	-3.6%
53.1%	10,521	10,142	-379	-3.6%
54.3%	10,476	10,133	-343	-3.3%
55.6%	10,468	10,130	-338	-3.2%
56.8%	10,465	10,123	-342	-3.3%
58.0%	10,423	10,098	-324	-3.1%
59.3%	10,383	10,095	-288	-2.8%
60.5%	10,365	10,019	-347	-3.3%
61.7%	10,356	9,991	-365	-3.5%
63.0%	10,337	9,944	-392	-3.8%
64.2%	10,306	9,942	-364	-3.5%
65.4%	10,302	9,889	-413	-4.0%
66.7%	10,257	9,873	-384	-3.7%
67.9%	10,225	9,859	-365	-3.6%
69.1%	10,211	9,837	-374	-3.7%
70.4%	10,208	9,816	-392	-3.8%
71.6%	10,107	9,804	-303	-3.0%
72.8%	10,098	9,786	-312	-3.1%
74.1%	10,074	9,753	-320	-3.2%
75.3%	10,022	9,747	-275	-2.7%
76.5%	9,967	9,666	-301	-3.0%
77.8%	9,918	9,663	-255	-2.6%
79.0%	9,906	9,658	-248	-2.5%
80.2%	9,727	9,575	-151	-1.6%
81.5%	9,714	9,556	-158	-1.6%
82.7%	9,706	9,548	-158	-1.6%
84.0%	9,686	9,516	-170	-1.8%
85.2%	9,676	9,483	-193	-2.0%
86.4%	9,600	9,418	-182	-1.9%
87.7%	9,535	9,406	-130	-1.4%
88.9%	9,466	9,367	-99	-1.0%
90.1%	9,436	9,347	-89	-0.9%
91.4%	9,292	9,264	-28	-0.3%
92.6%	9,290	9,243	-47	-0.5%
93.8%	9,252	9,049	-203	-2.2%
95.1%	9,035	8,956	-79	-0.9%
96.3%	8,803	8,841	38	0.4%
97.5%	8,189	8,688	499	6.1%
98.8%	7,856	7,932	76	1.0%
100.0%	7,758	7,624	-135	-1.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,624	15,626	1	0.0%
1.2%	15,557	15,538	-20	-0.1%
2.5%	15,348	15,218	-130	-0.8%
3.7%	14,954	15,034	81	0.5%
4.9%	14,936	15,031	94	0.6%
6.2%	14,714	14,974	260	1.8%
7.4%	14,702	14,924	222	1.5%
8.6%	14,648	14,790	142	1.0%
9.9%	14,539	14,662	122	0.8%
11.1%	14,526	14,545	20	0.1%
12.3%	14,506	14,518	12	0.1%
13.6%	14,506	14,514	9	0.1%
14.8%	14,474	14,511	37	0.3%
16.0%	14,418	14,499	81	0.6%
17.3%	14,353	14,406	53	0.4%
18.5%	14,269	14,343	74	0.5%
19.8%	14,241	14,164	-77	-0.5%
21.0%	14,212	14,031	-181	-1.3%
22.2%	14,103	13,929	-174	-1.2%
23.5%	14,091	13,725	-367	-2.6%
24.7%	14,027	13,692	-335	-2.4%
25.9%	13,984	13,264	-720	-5.1%
27.2%	13,943	13,233	-709	-5.1%
28.4%	13,836	13,174	-663	-4.8%
29.6%	13,827	13,133	-693	-5.0%
30.9%	13,821	13,029	-792	-5.7%
32.1%	13,816	12,992	-824	-6.0%
33.3%	13,768	12,945	-823	-6.0%
34.6%	13,720	12,838	-882	-6.4%
35.8%	13,719	12,788	-932	-6.8%
37.0%	13,700	12,744	-957	-7.0%
38.3%	13,616	12,695	-922	-6.8%
39.5%	13,374	12,682	-692	-5.2%
40.7%	13,258	12,588	-669	-5.0%
42.0%	13,150	12,579	-571	-4.3%
43.2%	13,142	12,496	-646	-4.9%
44.4%	13,107	12,466	-641	-4.9%
45.7%	13,102	12,455	-647	-4.9%
46.9%	13,086	12,330	-755	-5.8%
48.1%	13,049	12,268	-780	-6.0%
49.4%	12,710	12,263	-447	-3.5%
50.6%	12,386	12,258	-128	-1.0%
51.9%	12,318	12,212	-105	-0.9%
53.1%	12,304	12,199	-104	-0.8%
54.3%	12,281	12,194	-87	-0.7%
55.6%	12,211	12,191	-20	-0.2%
56.8%	12,175	12,180	5	0.0%
58.0%	12,166	11,933	-233	-1.9%
59.3%	12,089	11,903	-186	-1.5%
60.5%	11,896	11,879	-18	-0.1%
61.7%	11,799	11,847	48	0.4%
63.0%	11,748	11,747	-1	0.0%
64.2%	11,746	11,726	-19	-0.2%
65.4%	11,737	11,692	-44	-0.4%
66.7%	11,668	11,593	-75	-0.6%
67.9%	11,643	11,574	-69	-0.6%
69.1%	11,544	11,520	-25	-0.2%
70.4%	11,529	11,515	-14	-0.1%
71.6%	11,423	11,495	72	0.6%
72.8%	11,402	11,450	48	0.4%
74.1%	11,368	11,401	33	0.3%
75.3%	11,354	11,379	25	0.2%
76.5%	11,271	11,291	20	0.2%
77.8%	11,187	11,271	84	0.8%
79.0%	11,156	11,270	113	1.0%
80.2%	11,151	11,267	116	1.0%
81.5%	11,027	11,127	101	0.9%
82.7%	11,025	11,032	7	0.1%
84.0%	10,872	10,732	-140	-1.3%
85.2%	10,750	10,619	-130	-1.2%
86.4%	10,629	10,569	-60	-0.6%
87.7%	10,629	10,530	-99	-0.9%
88.9%	10,553	10,459	-94	-0.9%
90.1%	10,445	10,452	7	0.1%
91.4%	10,420	10,339	-81	-0.8%
92.6%	10,218	10,316	97	1.0%
93.8%	10,127	10,274	147	1.5%
95.1%	10,017	10,259	241	2.4%
96.3%	9,960	10,238	277	2.8%
97.5%	9,778	10,220	442	4.5%
98.8%	9,423	9,396	-27	-0.3%
100.0%	8,541	8,867	326	3.8%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,735	14,414	679	4.9%
1.2%	13,621	13,623	1	0.0%
2.5%	13,216	12,875	-341	-2.6%
3.7%	13,085	12,637	-448	-3.4%
4.9%	12,860	12,487	-372	-2.9%
6.2%	12,633	12,355	-278	-2.2%
7.4%	12,489	11,944	-545	-4.4%
8.6%	12,160	11,770	-389	-3.2%
9.9%	12,104	11,458	-646	-5.3%
11.1%	11,691	11,453	-238	-2.0%
12.3%	11,657	11,248	-409	-3.5%
13.6%	11,645	11,168	-477	-4.1%
14.8%	11,503	10,999	-504	-4.4%
16.0%	11,473	10,963	-510	-4.4%
17.3%	11,451	10,715	-736	-6.4%
18.5%	11,436	10,710	-726	-6.3%
19.8%	11,301	10,695	-606	-5.4%
21.0%	11,235	10,469	-766	-6.8%
22.2%	11,211	10,459	-752	-6.7%
23.5%	10,863	10,405	-459	-4.2%
24.7%	10,839	10,343	-495	-4.6%
25.9%	10,741	10,319	-421	-3.9%
27.2%	10,694	10,303	-390	-3.7%
28.4%	10,689	10,202	-487	-4.6%
29.6%	10,513	10,141	-372	-3.5%
30.9%	10,472	10,049	-423	-4.0%
32.1%	10,458	10,020	-438	-4.2%
33.3%	10,335	10,007	-328	-3.2%
34.6%	10,327	9,828	-499	-4.8%
35.8%	10,284	9,824	-460	-4.5%
37.0%	10,246	9,727	-519	-5.1%
38.3%	10,244	9,704	-540	-5.3%
39.5%	10,126	9,673	-453	-4.5%
40.7%	10,104	9,599	-505	-5.0%
42.0%	10,063	9,566	-497	-4.9%
43.2%	10,027	9,561	-466	-4.7%
44.4%	9,990	9,558	-432	-4.3%
45.7%	9,990	9,537	-453	-4.5%
46.9%	9,974	9,505	-469	-4.7%
48.1%	9,933	9,479	-455	-4.6%
49.4%	9,930	9,452	-479	-4.8%
50.6%	9,886	9,443	-443	-4.5%
51.9%	9,836	9,438	-397	-4.0%
53.1%	9,825	9,408	-417	-4.2%
54.3%	9,795	9,349	-446	-4.5%
55.6%	9,662	9,342	-319	-3.3%
56.8%	9,633	9,301	-332	-3.4%
58.0%	9,608	9,278	-330	-3.4%
59.3%	9,599	9,271	-327	-3.4%
60.5%	9,593	9,245	-349	-3.6%
61.7%	9,509	9,148	-361	-3.8%
63.0%	9,439	9,147	-291	-3.1%
64.2%	9,321	9,137	-184	-2.0%
65.4%	9,277	9,134	-143	-1.5%
66.7%	9,268	9,113	-155	-1.7%
67.9%	9,250	9,107	-143	-1.5%
69.1%	9,209	9,092	-117	-1.3%
70.4%	9,199	9,071	-128	-1.4%
71.6%	9,192	9,045	-147	-1.6%
72.8%	9,125	9,035	-90	-1.0%
74.1%	9,076	9,009	-68	-0.7%
75.3%	8,983	8,987	4	0.0%
76.5%	8,946	8,956	10	0.1%
77.8%	8,945	8,941	-4	0.0%
79.0%	8,929	8,916	-13	-0.1%
80.2%	8,927	8,813	-113	-1.3%
81.5%	8,772	8,760	-11	-0.1%
82.7%	8,699	8,751	52	0.6%
84.0%	8,682	8,750	67	0.8%
85.2%	8,666	8,746	81	0.9%
86.4%	8,584	8,705	121	1.4%
87.7%	8,531	8,646	115	1.3%
88.9%	8,514	8,591	77	0.9%
90.1%	8,480	8,588	108	1.3%
91.4%	8,470	8,540	70	0.8%
92.6%	8,459	8,413	-47	-0.6%
93.8%	8,389	8,363	-27	-0.3%
95.1%	8,368	8,107	-260	-3.1%
96.3%	8,350	8,041	-309	-3.7%
97.5%	7,769	7,899	129	1.7%
98.8%	7,219	7,487	268	3.7%
100.0%	6,951	7,298	347	5.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,501	15,067	-1,434	-8.7%
1.2%	15,191	14,840	-351	-2.3%
2.5%	15,100	14,580	-519	-3.4%
3.7%	15,001	14,289	-712	-4.7%
4.9%	14,843	13,898	-945	-6.4%
6.2%	14,483	13,848	-635	-4.4%
7.4%	13,768	13,683	-85	-0.6%
8.6%	13,614	13,600	-14	-0.1%
9.9%	13,409	13,453	44	0.3%
11.1%	13,161	13,219	58	0.4%
12.3%	13,158	13,025	-133	-1.0%
13.6%	13,024	12,781	-243	-1.9%
14.8%	12,997	12,383	-614	-4.7%
16.0%	12,918	12,353	-565	-4.4%
17.3%	12,506	12,251	-254	-2.0%
18.5%	12,468	11,852	-616	-4.9%
19.8%	12,352	11,721	-632	-5.1%
21.0%	12,237	11,589	-648	-5.3%
22.2%	11,964	11,515	-449	-3.8%
23.5%	11,717	11,371	-345	-2.9%
24.7%	11,442	11,066	-376	-3.3%
25.9%	11,169	11,013	-155	-1.4%
27.2%	10,910	10,877	-33	-0.3%
28.4%	10,709	10,802	94	0.9%
29.6%	10,201	10,229	28	0.3%
30.9%	9,965	9,945	-19	-0.2%
32.1%	9,957	9,515	-442	-4.4%
33.3%	9,698	9,431	-267	-2.8%
34.6%	9,363	8,885	-478	-5.1%
35.8%	9,157	7,790	-1,367	-14.9%
37.0%	8,974	7,447	-1,527	-17.0%
38.3%	8,806	7,414	-1,391	-15.8%
39.5%	8,803	7,338	-1,465	-16.6%
40.7%	8,082	7,110	-972	-12.0%
42.0%	7,392	6,951	-441	-6.0%
43.2%	7,113	6,936	-177	-2.5%
44.4%	7,033	6,709	-324	-4.6%
45.7%	7,023	6,643	-381	-5.4%
46.9%	6,989	6,558	-430	-6.2%
48.1%	6,953	6,554	-400	-5.7%
49.4%	6,830	6,475	-356	-5.2%
50.6%	6,733	6,424	-309	-4.6%
51.9%	6,683	6,323	-360	-5.4%
53.1%	6,630	6,226	-404	-6.1%
54.3%	6,378	6,198	-180	-2.8%
55.6%	6,348	6,198	-151	-2.4%
56.8%	6,219	6,121	-98	-1.6%
58.0%	6,131	6,053	-79	-1.3%
59.3%	6,079	6,031	-48	-0.8%
60.5%	6,069	6,017	-52	-0.9%
61.7%	6,046	5,982	-64	-1.1%
63.0%	6,029	5,885	-144	-2.4%
64.2%	6,026	5,837	-189	-3.1%
65.4%	6,004	5,830	-174	-2.9%
66.7%	5,977	5,819	-158	-2.6%
67.9%	5,968	5,792	-176	-3.0%
69.1%	5,916	5,767	-149	-2.5%
70.4%	5,760	5,754	-6	-0.1%
71.6%	5,736	5,736	0	0.0%
72.8%	5,718	5,730	12	0.2%
74.1%	5,701	5,726	25	0.4%
75.3%	5,664	5,692	28	0.5%
76.5%	5,547	5,684	137	2.5%
77.8%	5,544	5,680	135	2.4%
79.0%	5,489	5,675	186	3.4%
80.2%	5,454	5,564	110	2.0%
81.5%	5,411	5,548	138	2.5%
82.7%	5,369	5,542	172	3.2%
84.0%	5,333	5,534	201	3.8%
85.2%	5,196	5,502	306	5.9%
86.4%	5,188	5,403	215	4.1%
87.7%	5,046	5,333	286	5.7%
88.9%	4,940	5,293	353	7.1%
90.1%	4,826	5,207	381	7.9%
91.4%	4,815	5,071	256	5.3%
92.6%	4,577	5,071	494	10.8%
93.8%	4,561	5,015	454	10.0%
95.1%	4,446	4,938	492	11.1%
96.3%	4,405	4,493	88	2.0%
97.5%	4,302	4,445	143	3.3%
98.8%	4,290	4,428	138	3.2%
100.0%	4,046	4,397	352	8.7%

Table SW-13-9a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,532	8,851	12,793	17,292	20,370	16,703	10,163	8,656	8,665	9,944	8,041	7,880
Alternative D	6,558	8,845	12,531	16,299	19,468	14,957	9,675	8,457	8,530	10,314	7,875	7,741
Difference	26	-6	-262	-993	-902	-1,746	-488	-199	-136	370	-166	-138
Percent Difference[3]	0.4%	-0.1%	-2.0%	-5.7%	-4.4%	-10.5%	-4.8%	-2.3%	-1.6%	3.7%	-2.1%	-1.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,611	11,467	13,284	31,352	33,964	28,279	15,845	11,871	8,970	9,632	8,281	12,187
Alternative D	8,121	10,942	12,969	30,213	33,071	27,047	15,543	11,692	9,224	10,047	7,878	11,917
Difference	510	-525	-316	-1,139	-894	-1,232	-302	-179	254	415	-403	-270
Percent Difference	6.7%	-4.6%	-2.4%	-3.6%	-2.6%	-4.4%	-1.9%	-1.5%	2.8%	4.3%	-4.9%	-2.2%
Above Normal (15%)												
No Action Alternative	6,419	10,862	13,115	18,941	26,586	18,718	10,201	8,790	8,755	10,463	7,853	7,957
Alternative D	6,421	11,021	12,648	16,802	25,305	16,564	9,297	8,436	8,484	11,202	7,599	7,608
Difference	2	159	-467	-2,139	-1,281	-2,154	-904	-354	-271	739	-254	-349
Percent Difference	0.0%	1.5%	-3.6%	-11.3%	-4.8%	-11.5%	-8.9%	-4.0%	-3.1%	7.1%	-3.2%	-4.4%
Below Normal (17%)												
No Action Alternative	5,948	7,687	14,413	10,679	13,568	10,361	7,793	7,038	8,268	9,528	7,580	5,154
Alternative D	6,386	8,129	14,212	9,526	12,767	8,112	7,059	6,809	7,845	10,321	7,415	5,272
Difference	437	442	-201	-1,153	-801	-2,249	-734	-229	-423	793	-165	118
Percent Difference	7.3%	5.7%	-1.4%	-10.8%	-5.9%	-21.7%	-9.4%	-3.3%	-5.1%	8.3%	-2.2%	2.3%
Dry (22%)												
No Action Alternative	6,095	6,958	14,399	7,915	10,515	10,034	6,604	6,833	8,582	10,236	8,344	5,525
Alternative D	5,444	7,240	14,492	7,604	9,674	7,664	6,249	6,987	8,243	10,338	8,191	5,381
Difference	-651	282	93	-312	-842	-2,370	-355	154	-340	102	-153	-144
Percent Difference	-10.7%	4.0%	0.6%	-3.9%	-8.0%	-23.6%	-5.4%	2.3%	-4.0%	1.0%	-1.8%	-2.6%
Critical (15%)												
No Action Alternative	5,641	5,370	7,107	6,958	7,418	7,010	5,917	6,178	8,504	10,147	7,794	5,182
Alternative D	5,180	5,367	6,561	6,590	6,670	6,078	5,530	5,600	8,300	9,958	8,212	5,250
Difference	-462	-2	-546	-368	-747	-932	-387	-578	-204	-189	418	69
Percent Difference	-8.2%	0.0%	-7.7%	-5.3%	-10.1%	-13.3%	-6.5%	-9.4%	-2.4%	-1.9%	5.4%	1.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-13-9b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

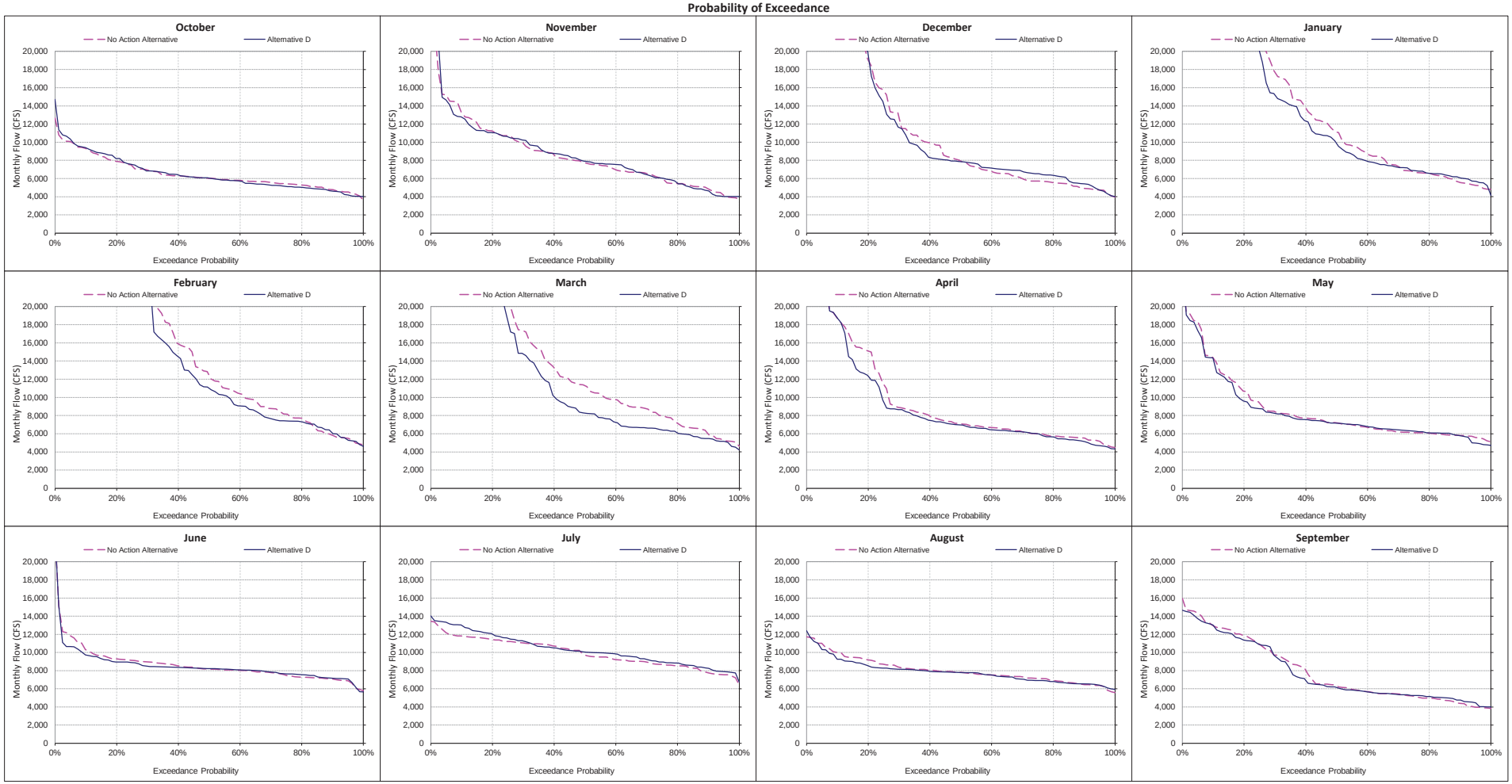

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,650	14,719	2,068	16.4%
1.2%	10,812	11,354	542	5.0%
2.5%	10,263	10,816	553	5.4%
3.7%	10,097	10,669	572	5.7%
4.9%	10,066	10,354	288	2.9%
6.2%	9,845	9,846	2	0.0%
7.4%	9,457	9,576	119	1.3%
8.6%	9,426	9,497	72	0.8%
9.9%	9,329	9,407	78	0.8%
11.1%	9,110	9,226	117	1.3%
12.3%	8,810	9,036	226	2.6%
13.6%	8,707	8,884	177	2.0%
14.8%	8,447	8,823	377	4.5%
16.0%	8,380	8,728	348	4.1%
17.3%	8,099	8,611	512	6.3%
18.5%	8,005	8,569	563	7.0%
19.8%	7,899	8,214	315	4.0%
21.0%	7,850	8,203	353	4.5%
22.2%	7,762	7,806	45	0.6%
23.5%	7,564	7,652	88	1.2%
24.7%	7,511	7,577	66	0.9%
25.9%	7,056	7,488	431	6.1%
27.2%	7,055	7,239	184	2.6%
28.4%	7,036	7,116	79	1.1%
29.6%	6,990	6,852	-138	-2.0%
30.9%	6,851	6,850	-1	0.0%
32.1%	6,788	6,820	31	0.5%
33.3%	6,745	6,753	7	0.1%
34.6%	6,462	6,714	252	3.9%
35.8%	6,391	6,640	249	3.9%
37.0%	6,374	6,487	114	1.8%
38.3%	6,311	6,483	173	2.7%
39.5%	6,301	6,440	139	2.2%
40.7%	6,292	6,316	24	0.4%
42.0%	6,247	6,259	12	0.2%
43.2%	6,232	6,187	-45	-0.7%
44.4%	6,188	6,164	-24	-0.4%
45.7%	6,139	6,124	-14	-0.2%
46.9%	6,093	6,089	-3	-0.1%
48.1%	6,080	6,088	8	0.1%
49.4%	6,034	6,075	41	0.7%
50.6%	6,018	6,016	-3	0.0%
51.9%	5,994	5,962	-32	-0.5%
53.1%	5,901	5,892	-9	-0.2%
54.3%	5,890	5,847	-42	-0.7%
55.6%	5,882	5,826	-56	-1.0%
56.8%	5,807	5,782	-25	-0.4%
58.0%	5,796	5,781	-15	-0.3%
59.3%	5,795	5,762	-32	-0.6%
60.5%	5,772	5,696	-76	-1.3%
61.7%	5,742	5,479	-263	-4.6%
63.0%	5,687	5,465	-222	-3.9%
64.2%	5,686	5,432	-254	-4.5%
65.4%	5,670	5,387	-283	-5.0%
66.7%	5,662	5,378	-284	-5.0%
67.9%	5,659	5,359	-301	-5.3%
69.1%	5,597	5,315	-282	-5.0%
70.4%	5,542	5,263	-279	-5.0%
71.6%	5,504	5,253	-251	-4.6%
72.8%	5,455	5,220	-234	-4.3%
74.1%	5,430	5,172	-259	-4.8%
75.3%	5,413	5,119	-293	-5.4%
76.5%	5,375	5,104	-271	-5.0%
77.8%	5,346	5,065	-282	-5.3%
79.0%	5,291	5,054	-236	-4.5%
80.2%	5,277	5,033	-245	-4.6%
81.5%	5,237	4,972	-265	-5.1%
82.7%	5,138	4,946	-192	-3.7%
84.0%	5,124	4,885	-240	-4.7%
85.2%	5,055	4,860	-195	-3.9%
86.4%	5,041	4,821	-220	-4.4%
87.7%	4,880	4,806	-74	-1.5%
88.9%	4,795	4,656	-138	-2.9%
90.1%	4,767	4,622	-146	-3.1%
91.4%	4,644	4,585	-59	-1.3%
92.6%	4,613	4,538	-75	-1.6%
93.8%	4,525	4,246	-280	-6.2%
95.1%	4,514	4,195	-320	-7.1%
96.3%	4,367	4,087	-281	-6.4%
97.5%	4,264	4,062	-202	-4.7%
98.8%	4,076	4,038	-39	-0.9%
100.0%	3,617	4,014	397	11.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	39,883	36,940	-2,943	-7.4%
1.2%	22,766	22,446	-319	-1.4%
2.5%	17,745	21,204	3,459	19.5%
3.7%	15,278	14,925	-354	-2.3%
4.9%	15,209	14,653	-556	-3.7%
6.2%	14,513	14,113	-400	-2.8%
7.4%	14,497	13,080	-1,417	-9.8%
8.6%	14,412	12,856	-1,556	-10.8%
9.9%	13,310	12,797	-512	-3.8%
11.1%	12,787	12,534	-253	-2.0%
12.3%	12,699	11,951	-748	-5.9%
13.6%	12,493	11,613	-881	-7.0%
14.8%	12,206	11,302	-904	-7.4%
16.0%	11,527	11,279	-248	-2.2%
17.3%	11,482	11,274	-208	-1.8%
18.5%	11,281	11,070	-211	-1.9%
19.8%	11,253	11,057	-196	-1.7%
21.0%	11,060	11,024	-36	-0.3%
22.2%	10,839	10,867	27	0.3%
23.5%	10,719	10,674	-45	-0.4%
24.7%	10,713	10,644	-69	-0.6%
25.9%	10,674	10,462	-212	-2.0%
27.2%	10,258	10,406	147	1.4%
28.4%	10,044	10,393	349	3.5%
29.6%	10,036	10,254	219	2.2%
30.9%	9,552	10,199	647	6.8%
32.1%	9,299	9,686	387	4.2%
33.3%	9,092	9,628	536	5.9%
34.6%	9,069	9,588	520	5.7%
35.8%	9,030	9,149	119	1.3%
37.0%	8,987	8,934	-53	-0.6%
38.3%	8,840	8,802	-38	-0.4%
39.5%	8,792	8,756	-37	-0.4%
40.7%	8,307	8,748	440	5.3%
42.0%	8,254	8,674	420	5.1%
43.2%	8,201	8,574	373	4.5%
44.4%	8,112	8,511	399	4.9%
45.7%	8,060	8,284	224	2.8%
46.9%	7,975	8,271	296	3.7%
48.1%	7,958	8,080	122	1.5%
49.4%	7,777	7,938	161	2.1%
50.6%	7,675	7,882	208	2.7%
51.9%	7,578	7,830	252	3.3%
53.1%	7,548	7,678	131	1.7%
54.3%	7,510	7,661	151	2.0%
55.6%	7,421	7,647	226	3.0%
56.8%	7,402	7,590	188	2.5%
58.0%	7,259	7,587	328	4.5%
59.3%	7,050	7,569	519	7.4%
60.5%	6,893	7,534	642	9.3%
61.7%	6,811	7,504	692	10.2%
63.0%	6,800	7,197	397	5.8%
64.2%	6,706	7,055	349	5.2%
65.4%	6,692	6,984	292	4.4%
66.7%	6,673	6,707	34	0.5%
67.9%	6,666	6,688	22	0.3%
69.1%	6,647	6,494	-153	-2.3%
70.4%	6,502	6,399	-103	-1.6%
71.6%	6,424	6,242	-181	-2.8%
72.8%	6,229	6,100	-129	-2.1%
74.1%	6,075	6,087	12	0.2%
75.3%	5,938	6,020	82	1.4%
76.5%	5,531	5,917	386	7.0%
77.8%	5,481	5,857	376	6.9%
79.0%	5,472	5,758	286	5.2%
80.2%	5,452	5,430	-22	-0.4%
81.5%	5,436	5,419	-17	-0.3%
82.7%	5,301	5,193	-108	-2.0%
84.0%	5,241	5,090	-151	-2.9%
85.2%	5,146	4,903	-244	-4.7%
86.4%	5,117	4,861	-256	-5.0%
87.7%	5,098	4,849	-249	-4.9%
88.9%	5,059	4,714	-345	-6.8%
90.1%	4,833	4,624	-209	-4.3%
91.4%	4,612	4,264	-348	-7.6%
92.6%	4,485	4,114	-371	-8.3%
93.8%	4,473	4,068	-404	-9.0%
95.1%	4,124	4,033	-90	-2.2%
96.3%	3,972	4,032	60	1.5%
97.5%	3,906	4,030	124	3.2%
98.8%	3,883	4,019	136	3.5%
100.0%	3,689	4,018	329	8.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,641	48,734	92	0.2%
1.2%	47,931	46,923	-1,008	-2.1%
2.5%	38,663	38,554	-110	-0.3%
3.7%	38,506	37,016	-1,490	-3.9%
4.9%	37,913	36,759	-1,154	-3.0%
6.2%	37,864	35,084	-2,780	-7.3%
7.4%	34,005	31,602	-2,403	-7.1%
8.6%	33,136	30,263	-2,873	-8.7%
9.9%	28,160	28,696	536	1.9%
11.1%	26,314	25,368	-946	-3.6%
12.3%	25,784	23,911	-1,873	-7.3%
13.6%	24,405	23,772	-633	-2.6%
14.8%	23,956	22,765	-1,191	-5.0%
16.0%	23,915	22,289	-1,627	-6.8%
17.3%	21,577	22,218	641	3.0%
18.5%	20,868	20,253	-615	-2.9%
19.8%	19,202	20,039	838	4.4%
21.0%	18,407	17,239	-1,168	-6.3%
22.2%	16,615	15,939	-675	-4.1%
23.5%	15,998	15,143	-855	-5.3%
24.7%	15,793	14,483	-1,310	-8.3%
25.9%	15,219	13,057	-2,162	-14.2%
27.2%	13,350	12,561	-790	-5.9%
28.4%	13,264	12,505	-759	-5.7%
29.6%	13,235	11,671	-1,564	-11.8%
30.9%	11,515	11,487	-28	-0.2%
32.1%	11,490	10,799	-691	-6.0%
33.3%	11,054	9,951	-1,103	-10.0%
34.6%	10,790	9,788	-1,002	-9.3%
35.8%	10,789	9,665	-1,124	-10.4%
37.0%	10,255	9,174	-1,081	-10.5%
38.3%	10,055	8,877	-1,177	-11.7%
39.5%	9,955	8,363	-1,592	-16.0%
40.7%	9,915	8,247	-1,667	-16.8%
42.0%	9,694	8,176	-1,518	-15.7%
43.2%	9,662	8,121	-1,541	-16.0%
44.4%	8,583	8,080	-503	-5.9%
45.7%	8,410	8,030	-380	-4.5%
46.9%	8,332	7,934	-398	-4.8%
48.1%	8,156	7,931	-225	-2.8%
49.4%	8,048	7,864	-184	-2.3%
50.6%	7,822	7,840	19	0.2%
51.9%	7,705	7,790	85	1.1%
53.1%	7,385	7,747	362	4.9%
54.3%	7,310	7,678	368	5.0%
55.6%	7,245	7,592	346	4.8%
56.8%	7,010	7,222	212	3.0%
58.0%	6,915	7,196	281	4.1%
59.3%	6,892	7,186	294	4.3%
60.5%	6,707	7,114	407	6.1%
61.7%	6,585	7,091	507	7.7%
63.0%	6,556	7,022	465	7.1%
64.2%	6,549	6,986	437	6.7%
65.4%	6,524	6,956	431	6.6%
66.7%	6,299	6,938	639	10.1%
67.9%	6,243	6,928	685	11.0%
69.1%	6,124	6,909	786	12.8%
70.4%	5,923	6,722	799	13.5%
71.6%	5,788	6,648	860	14.9%
72.8%	5,733	6,577	844	14.7%
74.1%	5,725	6,535	810	14.2%
75.3%	5,714	6,521	808	14.1%
76.5%	5,688	6,433	745	13.1%
77.8%	5,677	6,406	729	12.9%
79.0%	5,605	6,385	780	13.9%
80.2%	5,523	6,337	813	14.7%
81.5%	5,508	6,250	742	13.5%
82.7%	5,482	6,187	705	12.9%
84.0%	5,453	6,153	700	12.8%
85.2%	5,427	5,704	277	5.1%
86.4%	5,169	5,525	355	6.9%
87.7%	5,124	5,514	390	7.6%
88.9%	4,976	5,451	475	9.5%
90.1%	4,902	5,430	528	10.8%
91.4%	4,876	5,370	494	10.1%
92.6%	4,832	5,155	322	6.7%
93.8%	4,759	4,902	143	3.0%
95.1%	4,735	4,710	-24	-0.5%
96.3%	4,710	4,616	-95	-2.0%
97.5%	4,337	4,338	1	0.0%
98.8%	4,104	4,102	-2	0.0%
100.0%	3,960	4,030	70	1.8%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,516	86,030	-1,486	-1.7%
1.2%	64,102	64,105	3	0.0%
2.5%	57,934	55,490	-2,444	-4.2%
3.7%	57,903	55,482	-2,421	-4.2%
4.9%	48,361	48,755	394	0.8%
6.2%	48,061	46,680	-1,381	-2.9%
7.4%	44,076	44,298	222	0.5%
8.6%	42,936	41,637	-1,299	-3.0%
9.9%	36,581	34,588	-1,993	-5.4%
11.1%	34,591	34,153	-438	-1.3%
12.3%	32,482	29,418	-3,064	-9.4%
13.6%	31,053	28,579	-2,474	-8.0%
14.8%	30,594	27,884	-2,710	-8.9%
16.0%	30,309	26,998	-3,311	-10.9%
17.3%	29,006	25,408	-3,598	-12.4%
18.5%	26,574	24,130	-2,444	-9.2%
19.8%	25,789	23,467	-2,322	-9.0%
21.0%	25,406	23,361	-2,045	-8.1%
22.2%	24,573	23,200	-1,373	-5.6%
23.5%	23,536	21,089	-2,447	-10.4%
24.7%	21,878	20,390	-1,488	-6.8%
25.9%	21,077	18,778	-2,299	-10.9%
27.2%	20,003	16,536	-3,466	-17.3%
28.4%	18,966	15,436	-3,530	-18.6%
29.6%	17,868	15,344	-2,524	-14.1%
30.9%	17,226	14,800	-2,426	-14.1%
32.1%	17,077	14,638	-2,440	-14.3%
33.3%	16,880	14,449	-2,431	-14.4%
34.6%	16,321	14,159	-2,162	-13.2%
35.8%	14,718	14,012	-706	-4.8%
37.0%	14,686	13,900	-786	-5.4%
38.3%	14,595	12,868	-1,728	-11.8%
39.5%	14,012	12,405	-1,607	-11.5%
40.7%	13,333	12,240	-1,093	-8.2%
42.0%	12,991	11,243	-1,748	-13.5%
43.2%	12,453	10,907	-1,546	-12.4%
44.4%	12,407	10,862	-1,545	-12.5%
45.7%	12,239	10,763	-1,477	-12.1%
46.9%	12,092	10,713	-1,379	-11.4%
48.1%	11,578	10,555	-1,022	-8.8%
49.4%	11,171	10,153	-1,018	-9.1%
50.6%	11,067	9,545	-1,522	-13.8%
51.9%	10,102	9,216	-886	-8.8%
53.1%	9,741	8,902	-839	-8.6%
54.3%	9,687	8,788	-899	-9.3%
55.6%	9,536	8,582	-953	-10.0%
56.8%	9,420	8,211	-1,208	-12.8%
58.0%	9,103	8,125	-978	-10.7%
59.3%	8,901	7,987	-914	-10.3%
60.5%	8,602	7,833	-768	-8.9%
61.7%	8,447	7,782	-664	-7.9%
63.0%	8,446	7,689	-757	-9.0%
64.2%	8,439	7,550	-889	-10.5%
65.4%	8,125	7,533	-593	-7.3%
66.7%	7,573	7,423	-150	-2.0%
67.9%	7,551	7,405	-147	-1.9%
69.1%	7,494	7,295	-199	-2.7%
70.4%	7,254	7,216	-38	-0.5%
71.6%	6,908	7,203	295	4.3%
72.8%	6,879	7,170	291	4.2%
74.1%	6,837	6,909	72	1.1%
75.3%	6,672	6,868	196	2.9%
76.5%	6,650	6,823	173	2.6%
77.8%	6,608	6,815	207	3.1%
79.0%	6,599	6,609	10	0.1%
80.2%	6,569	6,574	5	0.1%
81.5%	6,414	6,530	116	1.8%
82.7%	6,327	6,522	194	3.1%
84.0%	6,315	6,514	199	3.2%
85.2%	6,198	6,395	197	3.2%
86.4%	5,993	6,313	319	5.3%
87.7%	5,943	6,210	267	4.5%
88.9%	5,683	6,201	517	9.1%
90.1%	5,548	6,069	521	9.4%
91.4%	5,510	5,990	480	8.7%
92.6%	5,448	5,941	494	9.1%
93.8%	5,334	5,715	381	7.1%
95.1%	5,253	5,688	434	8.3%
96.3%	5,222	5,547	324	6.2%
97.5%	4,920	5,538	618	12.6%
98.8%	4,837	5,219	382	7.9%
100.0%	4,817	4,135	-682	-14.2%

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,551	81,270	-281	-0.3%
1.2%	73,485	76,252	2,767	3.8%
2.5%	72,391	72,402	11	0.0%
3.7%	60,933	60,931	-2	0.0%
4.9%	52,482	52,147	-335	-0.6%
6.2%	51,691	51,299	-392	-0.8%
7.4%	50,703	48,808	-1,895	-3.7%
8.6%	49,105	47,908	-1,197	-2.4%
9.9%	47,905	47,058	-847	-1.8%
11.1%	47,013	46,687	-326	-0.7%
12.3%	45,694	46,599	905	2.0%
13.6%	45,216	42,654	-2,562	-5.7%
14.8%	41,866	39,316	-2,550	-6.1%
16.0%	36,677	35,815	-863	-2.4%
17.3%	35,814	35,533	-281	-0.8%
18.5%	34,797	32,248	-2,549	-7.3%
19.8%	33,370	31,980	-1,390	-4.2%
21.0%	31,814	29,263	-2,551	-8.0%
22.2%	30,294	27,725	-2,568	-8.5%
23.5%	27,993	26,018	-1,974	-7.1%
24.7%	27,313	25,132	-2,180	-8.0%
25.9%	27,275	25,128	-2,147	-7.9%
27.2%	23,060	24,745	1,685	7.3%
28.4%	22,970	23,400	430	1.9%
29.6%	22,484	22,972	488	2.2%
30.9%	20,577	22,728	2,151	10.5%
32.1%	20,100	17,197	-2,904	-14.4%
33.3%	19,797	16,727	-3,070	-15.5%
34.6%	19,268	16,369	-2,899	-15.0%
35.8%	18,274	15,995	-2,279	-12.5%
37.0%	18,143	15,578	-2,565	-14.1%
38.3%	17,150	14,976	-2,174	-12.7%
39.5%	16,001	14,601	-1,400	-8.7%
40.7%	15,749	14,261	-1,488	-9.4%
42.0%	15,566	13,001	-2,565	-16.5%
43.2%	15,523	12,943	-2,579	-16.6%
44.4%	15,031	12,473	-2,558	-17.0%
45.7%	13,375	12,038	-1,338	-10.0%
46.9%	13,220	11,379	-1,841	-13.9%
48.1%	12,935	11,155	-1,780	-13.8%
49.4%	12,840	11,148	-1,693	-13.2%
50.6%	12,035	10,824	-1,211	-10.1%
51.9%	11,796	10,649	-1,147	-9.7%
53.1%	11,744	10,329	-1,415	-12.0%
54.3%	11,091	10,262	-829	-7.5%
55.6%	10,974	10,165	-809	-7.4%
56.8%	10,876	9,862	-1,014	-9.3%
58.0%	10,677	9,227	-1,450	-13.6%
59.3%	10,457	9,081	-1,376	-13.2%
60.5%	10,351	9,038	-1,313	-12.7%
61.7%	9,907	9,026	-881	-8.9%
63.0%	9,828	8,696	-1,132	-11.5%
64.2%	9,781	8,633	-1,147	-11.7%
65.4%	9,468	8,404	-1,064	-11.2%
66.7%	8,995	8,168	-827	-9.2%
67.9%	8,975	7,852	-1,123	-12.5%
69.1%	8,795	7,727	-1,068	-12.1%
70.4%	8,775	7,621	-1,153	-13.1%
71.6%	8,735	7,501	-1,234	-14.1%
72.8%	8,447	7,442	-1,005	-11.9%
74.1%	8,189	7,426	-763	-9.3%
75.3%	8,138	7,407	-732	-9.0%
76.5%	7,786	7,404	-382	-4.9%
77.8%	7,742	7,386	-356	-4.6%
79.0%	7,741	7,348	-393	-5.1%
80.2%	7,700	7,323	-377	-4.9%
81.5%	7,349	7,149	-200	-2.7%
82.7%	7,188	7,070	-118	-1.6%
84.0%	6,765	7,064	299	4.4%
85.2%	6,329	6,717	388	6.1%
86.4%	6,269	6,665	397	6.3%
87.7%	6,039	6,464	425	7.0%
88.9%	5,968	6,409	442	7.4%
90.1%	5,818	6,013	195	3.4%
91.4%	5,602	5,966	364	6.5%
92.6%	5,573	5,604	31	0.6%
93.8%	5,558	5,559	0	0.0%
95.1%	5,510	5,290	-220	-4.0%
96.3%	5,289	5,212	-77	-1.5%
97.5%	4,975	5,167	192	3.9%
98.8%	4,894	4,792	-102	-2.1%
100.0%	4,773	4,602	-171	-3.6%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,961	76,959	-2	0.0%
1.2%	76,606	72,703	-3,903	-5.1%
2.5%	59,064	58,060	-1,004	-1.7%
3.7%	53,953	53,945	-8	0.0%
4.9%	52,087	52,089	2	0.0%
6.2%	44,292	39,961	-4,331	-9.8%
7.4%	37,412	33,478	-3,934	-10.5%
8.6%	36,276	32,346	-3,930	-10.8%
9.9%	33,130	31,778	-1,352	-4.1%
11.1%	30,981	28,896	-2,085	-6.7%
12.3%	29,603	27,048	-2,555	-8.6%
13.6%	26,653	26,050	-603	-2.3%
14.8%	24,221	24,217	-4	0.0%
16.0%	24,215	23,410	-805	-3.3%
17.3%	22,756	22,559	-198	-0.9%
18.5%	22,699	22,396	-303	-1.3%
19.8%	22,558	21,277	-1,280	-5.7%
21.0%	22,393	21,246	-1,147	-5.1%
22.2%	21,243	21,176	-67	-0.3%
23.5%	20,945	20,605	-340	-1.6%
24.7%	20,604	18,888	-1,716	-8.3%
25.9%	19,929	17,194	-2,735	-13.7%
27.2%	18,519	17,036	-1,483	-8.0%
28.4%	17,441	14,853	-2,588	-14.8%
29.6%	17,384	14,847	-2,537	-14.6%
30.9%	17,191	14,611	-2,580	-15.0%
32.1%	16,128	14,033	-2,095	-13.0%
33.3%	15,708	13,807	-1,901	-12.1%
34.6%	15,322	13,052	-2,270	-14.8%
35.8%	15,177	12,303	-2,873	-18.9%
37.0%	14,154	11,857	-2,297	-16.2%
38.3%	13,811	11,654	-2,157	-15.6%
39.5%	13,444	10,244	-3,200	-23.8%
40.7%	12,987	9,805	-3,182	-24.5%
42.0%	12,302	9,516	-2,787	-22.7%
43.2%	12,206	9,359	-2,847	-23.3%
44.4%	12,124	9,010	-3,114	-25.7%
45.7%	11,686	8,897	-2,789	-23.9%
46.9%	11,555	8,830	-2,724	-23.6%
48.1%	11,428	8,387	-3,042	-26.6%
49.4%	11,398	8,294	-3,104	-27.2%
50.6%	11,188	8,239	-2,948	-26.4%
51.9%	10,627	8,199	-2,428	-22.8%
53.1%	10,509	8,187	-2,322	-22.1%
54.3%	10,481	7,793	-2,688	-25.6%
55.6%	10,182	7,769	-2,414	-23.7%
56.8%	9,911	7,644	-2,267	-22.9%
58.0%	9,800	7,623	-2,177	-22.2%
59.3%	9,794	7,308	-2,486	-25.4%
60.5%	9,707	7,193	-2,514	-25.9%
61.7%	9,324	6,838	-2,486	-26.7%
63.0%	9,306	6,810	-2,496	-26.8%
64.2%	9,011	6,717	-2,293	-25.5%
65.4%	8,943	6,702	-2,241	-25.1%
66.7%	8,936	6,701	-2,234	-25.0%
67.9%	8,896	6,667	-2,228	-25.0%
69.1%	8,833	6,661	-2,171	-24.6%
70.4%	8,703	6,623	-2,080	-23.9%
71.6%	8,385	6,619	-1,766	-21.1%
72.8%	8,353	6,589	-1,764	-21.1%
74.1%	8,024	6,479	-1,545	-19.3%
75.3%	7,987	6,401	-1,586	-19.9%
76.5%	7,810	6,393	-1,417	-18.1%
77.8%	7,768	6,284	-1,485	-19.1%
79.0%	7,359	6,273	-1,086	-14.8%
80.2%	7,096	6,018	-1,077	-15.2%
81.5%	6,802	5,971	-831	-12.2%
82.7%	6,709	5,960	-748	-11.2%
84.0%	6,665	5,894	-771	-11.6%
85.2%	6,622	5,690	-932	-14.1%
86.4%	6,590	5,660	-929	-14.1%
87.7%	6,490	5,504	-986	-15.2%
88.9%	6,400	5,481	-919	-14.4%
90.1%	5,898	5,480	-417	-7.1%
91.4%	5,830	5,416	-414	-7.1%
92.6%	5,468	5,232	-237	-4.3%
93.8%	5,428	5,173	-254	-4.7%
95.1%	5,234	5,160	-74	-1.4%
96.3%	5,191	5,058	-133	-2.6%
97.5%	5,175	4,608	-567	-11.0%
98.8%	5,065	4,530	-535	-10.6%
100.0%	4,620	4,226	-394	-8.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,239	44,484	245	0.6%
1.2%	36,674	36,676	2	0.0%
2.5%	27,314	27,316	2	0.0%
3.7%	25,194	25,195	1	0.0%
4.9%	25,007	25,006	-1	0.0%
6.2%	23,846	23,847	1	0.0%
7.4%	19,529	19,527	-2	0.0%
8.6%	19,343	19,344	1	0.0%
9.9%	18,754	18,757	4	0.0%
11.1%	18,235	18,237	2	0.0%
12.3%	17,795	17,078	-718	-4.0%
13.6%	17,076	14,490	-2,586	-15.1%
14.8%	16,115	14,168	-1,947	-12.1%
16.0%	15,551	13,119	-2,432	-15.6%
17.3%	15,481	12,791	-2,690	-17.4%
18.5%	15,306	12,662	-2,644	-17.3%
19.8%	15,135	12,421	-2,715	-17.9%
21.0%	14,991	11,888	-3,104	-20.7%
22.2%	13,107	11,865	-1,242	-9.5%
23.5%	12,660	11,142	-1,518	-12.0%
24.7%	11,600	9,680	-1,921	-16.6%
25.9%	10,957	8,826	-2,131	-19.5%
27.2%	9,279	8,740	-539	-5.8%
28.4%	9,094	8,735	-359	-3.9%
29.6%	8,897	8,653	-244	-2.7%
30.9%	8,837	8,648	-189	-2.1%
32.1%	8,742	8,442	-301	-3.4%
33.3%	8,619	8,310	-309	-3.6%
34.6%	8,552	8,064	-488	-5.7%
35.8%	8,381	7,966	-415	-4.9%
37.0%	8,341	7,802	-539	-6.5%
38.3%	8,197	7,668	-529	-6.5%
39.5%	8,079	7,475	-604	-7.5%
40.7%	7,763	7,437	-325	-4.2%
42.0%	7,693	7,315	-377	-4.9%
43.2%	7,557	7,304	-253	-3.3%
44.4%	7,460	7,227	-232	-3.1%
45.7%	7,366	7,125	-241	-3.3%
46.9%	7,334	7,073	-261	-3.6%
48.1%	7,155	6,998	-157	-2.2%
49.4%	7,143	6,975	-169	-2.4%
50.6%	7,058	6,953	-105	-1.5%
51.9%	7,029	6,808	-221	-3.1%
53.1%	6,897	6,702	-195	-2.8%
54.3%	6,874	6,693	-180	-2.6%
55.6%	6,858	6,610	-248	-3.6%
56.8%	6,779	6,600	-179	-2.6%
58.0%	6,710	6,588	-122	-1.8%
59.3%	6,696	6,443	-253	-3.8%
60.5%	6,664	6,412	-252	-3.8%
61.7%	6,639	6,393	-246	-3.7%
63.0%	6,532	6,365	-167	-2.6%
64.2%	6,524	6,360	-163	-2.5%
65.4%	6,505	6,318	-187	-2.9%
66.7%	6,392	6,282	-110	-1.7%
67.9%	6,314	6,240	-74	-1.2%
69.1%	6,308	6,232	-75	-1.2%
70.4%	6,165	6,203	38	0.6%
71.6%	6,133	6,152	19	0.3%
72.8%	6,027	6,070	43	0.7%
74.1%	6,020	6,022	2	0.0%
75.3%	5,971	5,965	-6	-0.1%
76.5%	5,968	5,769	-199	-3.3%
77.8%	5,845	5,656	-189	-3.2%
79.0%	5,750	5,656	-94	-1.6%
80.2%	5,736	5,629	-107	-1.9%
81.5%	5,727	5,455	-272	-4.7%
82.7%	5,677	5,454	-223	-3.9%
84.0%	5,628	5,426	-202	-3.6%
85.2%	5,625	5,342	-283	-5.0%
86.4%	5,617	5,340	-276	-4.9%
87.7%	5,586	5,291	-296	-5.3%
88.9%	5,549	5,220	-329	-5.9%
90.1%	5,538	5,136	-401	-7.2%
91.4%	5,297	4,998	-298	-5.6%
92.6%	5,294	4,830	-463	-8.8%
93.8%	5,277	4,729	-547	-10.4%
95.1%	5,173	4,690	-482	-9.3%
96.3%	4,827	4,640	-187	-3.9%
97.5%	4,723	4,543	-180	-3.8%
98.8%	4,544	4,344	-200	-4.4%
100.0%	4,481	4,325	-157	-3.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,922	24,924	2	0.0%
1.2%	19,421	19,079	-342	-1.8%
2.5%	19,182	18,455	-728	-3.8%
3.7%	18,455	18,292	-163	-0.9%
4.9%	18,395	17,380	-1,015	-5.5%
6.2%	17,484	16,573	-911	-5.2%
7.4%	14,634	14,423	-211	-1.4%
8.6%	14,601	14,383	-218	-1.5%
9.9%	14,416	14,344	-72	-0.5%
11.1%	13,794	12,719	-1,075	-7.8%
12.3%	12,718	12,493	-225	-1.8%
13.6%	12,492	12,238	-255	-2.0%
14.8%	12,343	11,755	-588	-4.8%
16.0%	11,860	11,639	-221	-1.9%
17.3%	11,640	10,292	-1,348	-11.6%
18.5%	11,132	9,895	-1,236	-11.1%
19.8%	10,681	9,610	-1,071	-10.0%
21.0%	10,627	9,490	-1,137	-10.7%
22.2%	9,718	8,898	-820	-8.4%
23.5%	9,562	8,815	-747	-7.8%
24.7%	9,525	8,758	-766	-8.0%
25.9%	9,023	8,735	-288	-3.2%
27.2%	8,534	8,385	-148	-1.7%
28.4%	8,488	8,353	-135	-1.6%
29.6%	8,476	8,261	-214	-2.5%
30.9%	8,264	8,186	-78	-0.9%
32.1%	8,222	8,173	-49	-0.6%
33.3%	8,193	7,997	-197	-2.4%
34.6%	8,154	7,929	-224	-2.8%
35.8%	8,096	7,726	-371	-4.6%
37.0%	7,860	7,629	-231	-2.9%
38.3%	7,766	7,573	-193	-2.5%
39.5%	7,723	7,563	-160	-2.1%
40.7%	7,714	7,532	-182	-2.4%
42.0%	7,655	7,468	-187	-2.4%
43.2%	7,650	7,467	-183	-2.4%
44.4%	7,562	7,415	-147	-1.9%
45.7%	7,459	7,361	-98	-1.3%
46.9%	7,236	7,260	24	0.3%
48.1%	7,220	7,188	-32	-0.4%
49.4%	7,218	7,167	-50	-0.7%
50.6%	7,168	7,135	-33	-0.5%
51.9%	7,072	7,133	61	0.9%
53.1%	7,039	7,074	35	0.5%
54.3%	7,038	7,034	-4	-0.1%
55.6%	6,948	7,019	71	1.0%
56.8%	6,868	6,997	128	1.9%
58.0%	6,778	6,915	137	2.0%
59.3%	6,741	6,852	111	1.6%
60.5%	6,662	6,770	107	1.6%
61.7%	6,588	6,725	137	2.1%
63.0%	6,512	6,622	110	1.7%
64.2%	6,495	6,569	74	1.1%
65.4%	6,389	6,532	143	2.2%
66.7%	6,343	6,514	170	2.7%
67.9%	6,326	6,502	175	2.8%
69.1%	6,228	6,459	231	3.7%
70.4%	6,187	6,421	235	3.8%
71.6%	6,180	6,369	189	3.1%
72.8%	6,178	6,351	173	2.8%
74.1%	6,153	6,336	183	3.0%
75.3%	6,119	6,290	171	2.8%
76.5%	6,110	6,234	124	2.0%
77.8%	6,108	6,226	119	1.9%
79.0%	6,083	6,122	39	0.6%
80.2%	6,060	6,097	37	0.6%
81.5%	5,999	6,094	95	1.6%
82.7%	5,953	6,080	127	2.1%
84.0%	5,947	6,066	118	2.0%
85.2%	5,884	6,057	173	2.9%
86.4%	5,864	6,049	185	3.1%
87.7%	5,839	5,918	79	1.4%
88.9%	5,835	5,850	15	0.3%
90.1%	5,801	5,793	-8	-0.1%
91.4%	5,799	5,700	-99	-1.7%
92.6%	5,753	5,616	-136	-2.4%
93.8%	5,718	4,989	-729	-12.8%
95.1%	5,580	4,961	-619	-11.1%
96.3%	5,546	4,923	-623	-11.2%
97.5%	5,455	4,794	-660	-12.1%
98.8%	5,232	4,773	-459	-8.8%
100.0%	5,112	4,732	-380	-7.4%

Table SW-13-9b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,238	23,240	2	0.0%
1.2%	15,154	15,154	0	0.0%
2.5%	12,310	11,099	-1,211	-9.8%
3.7%	12,186	10,662	-1,525	-12.5%
4.9%	11,855	10,646	-1,209	-10.2%
6.2%	11,585	10,619	-965	-8.3%
7.4%	11,085	10,383	-702	-6.3%
8.6%	11,039	10,079	-960	-8.7%
9.9%	10,316	9,743	-573	-5.6%
11.1%	10,131	9,650	-481	-4.7%
12.3%	9,854	9,568	-287	-2.9%
13.6%	9,691	9,540	-151	-1.6%
14.8%	9,631	9,330	-301	-3.1%
16.0%	9,611	9,198	-413	-4.3%
17.3%	9,443	9,161	-282	-3.0%
18.5%	9,315	8,999	-316	-3.4%
19.8%	9,305	8,959	-346	-3.7%
21.0%	9,256	8,956	-300	-3.2%
22.2%	9,236	8,948	-288	-3.1%
23.5%	9,193	8,943	-250	-2.7%
24.7%	9,141	8,894	-247	-2.7%
25.9%	9,119	8,870	-249	-2.7%
27.2%	9,036	8,747	-289	-3.2%
28.4%	8,985	8,548	-437	-4.9%
29.6%	8,978	8,495	-484	-5.4%
30.9%	8,938	8,444	-494	-5.5%
32.1%	8,921	8,442	-479	-5.4%
33.3%	8,823	8,429	-393	-4.5%
34.6%	8,806	8,420	-385	-4.4%
35.8%	8,743	8,406	-337	-3.9%
37.0%	8,706	8,402	-304	-3.5%
38.3%	8,664	8,365	-299	-3.5%
39.5%	8,555	8,351	-204	-2.4%
40.7%	8,504	8,341	-162	-1.9%
42.0%	8,418	8,338	-80	-1.0%
43.2%	8,378	8,331	-47	-0.6%
44.4%	8,375	8,315	-61	-0.7%
45.7%	8,329	8,272	-58	-0.7%
46.9%	8,232	8,263	31	0.4%
48.1%	8,201	8,244	42	0.5%
49.4%	8,192	8,233	40	0.5%
50.6%	8,167	8,226	59	0.7%
51.9%	8,162	8,214	52	0.6%
53.1%	8,129	8,183	54	0.7%
54.3%	8,090	8,177	87	1.1%
55.6%	8,087	8,161	74	0.9%
56.8%	8,067	8,134	66	0.8%
58.0%	8,067	8,120	53	0.7%
59.3%	8,040	8,074	34	0.4%
60.5%	8,031	8,069	39	0.5%
61.7%	8,027	8,064	37	0.5%
63.0%	8,004	8,053	49	0.6%
64.2%	7,923	8,024	101	1.3%
65.4%	7,864	8,019	155	2.0%
66.7%	7,848	7,965	116	1.5%
67.9%	7,840	7,905	65	0.8%
69.1%	7,829	7,874	45	0.6%
70.4%	7,759	7,838	79	1.0%
71.6%	7,740	7,809	69	0.9%
72.8%	7,670	7,685	15	0.2%
74.1%	7,581	7,661	80	1.1%
75.3%	7,421	7,641	219	3.0%
76.5%	7,395	7,626	231	3.1%
77.8%	7,329	7,617	288	3.9%
79.0%	7,304	7,569	265	3.6%
80.2%	7,265	7,548	283	3.9%
81.5%	7,261	7,534	273	3.8%
82.7%	7,235	7,464	230	3.2%
84.0%	7,223	7,459	235	3.3%
85.2%	7,186	7,296	110	1.5%
86.4%	7,185	7,238	53	0.7%
87.7%	7,118	7,221	103	1.4%
88.9%	7,090	7,185	95	1.3%
90.1%	7,067	7,157	90	1.3%
91.4%	6,982	7,143	161	2.3%
92.6%	6,939	7,131	193	2.8%
93.8%	6,935	7,091	156	2.2%
95.1%	6,879	7,074	195	2.8%
96.3%	6,608	6,683	75	1.1%
97.5%	6,022	6,157	135	2.2%
98.8%	5,932	5,675	-257	-4.3%
100.0%	5,783	5,649	-135	-2.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,440	14,030	590	4.4%
1.2%	13,350	13,514	163	1.2%
2.5%	12,902	13,442	540	4.2%
3.7%	12,551	13,400	849	6.8%
4.9%	12,194	13,327	1,134	9.3%
6.2%	11,959	13,148	1,189	9.9%
7.4%	11,917	13,068	1,151	9.7%
8.6%	11,821	13,048	1,227	10.4%
9.9%	11,811	13,034	1,223	10.4%
11.1%	11,760	12,750	990	8.4%
12.3%	11,714	12,661	947	8.1%
13.6%	11,688	12,412	724	6.2%
14.8%	11,680	12,361	681	5.8%
16.0%	11,624	12,303	680	5.8%
17.3%	11,565	12,192	627	5.4%
18.5%	11,526	12,131	605	5.3%
19.8%	11,421	12,081	659	5.8%
21.0%	11,377	11,840	463	4.1%
22.2%	11,367	11,766	399	3.5%
23.5%	11,230	11,640	410	3.6%
24.7%	11,220	11,604	384	3.4%
25.9%	11,215	11,462	247	2.2%
27.2%	11,141	11,447	306	2.7%
28.4%	11,096	11,296	200	1.8%
29.6%	11,079	11,290	211	1.9%
30.9%	11,012	11,182	170	1.5%
32.1%	10,976	11,041	66	0.6%
33.3%	10,956	10,865	-90	-0.8%
34.6%	10,954	10,689	-265	-2.4%
35.8%	10,935	10,663	-272	-2.5%
37.0%	10,904	10,608	-295	-2.7%
38.3%	10,837	10,607	-230	-2.1%
39.5%	10,730	10,523	-207	-1.9%
40.7%	10,676	10,489	-187	-1.8%
42.0%	10,482	10,362	-120	-1.1%
43.2%	10,464	10,293	-171	-1.6%
44.4%	10,405	10,226	-180	-1.7%
45.7%	10,228	10,212	-15	-0.2%
46.9%	10,223	10,145	-79	-0.8%
48.1%	10,220	10,142	-78	-0.8%
49.4%	9,816	10,073	257	2.6%
50.6%	9,644	10,038	394	4.1%
51.9%	9,551	9,996	445	4.7%
53.1%	9,518	9,987	469	4.9%
54.3%	9,509	9,984	475	5.0%
55.6%	9,507	9,956	449	4.7%
56.8%	9,494	9,929	435	4.6%
58.0%	9,397	9,896	498	5.3%
59.3%	9,243	9,865	622	6.7%
60.5%	9,205	9,823	617	6.7%
61.7%	9,155	9,612	457	5.0%
63.0%	9,154	9,609	455	5.0%
64.2%	9,054	9,598	544	6.0%
65.4%	9,038	9,545	507	5.6%
66.7%	9,037	9,512	474	5.2%
67.9%	9,014	9,317	303	3.4%
69.1%	8,987	9,315	328	3.7%
70.4%	8,923	9,194	270	3.0%
71.6%	8,778	9,082	304	3.5%
72.8%	8,715	9,051	336	3.9%
74.1%	8,696	8,959	263	3.0%
75.3%	8,688	8,954	266	3.1%
76.5%	8,621	8,859	238	2.8%
77.8%	8,618	8,853	236	2.7%
79.0%	8,559	8,832	273	3.2%
80.2%	8,520	8,828	308	3.6%
81.5%	8,515	8,707	193	2.3%
82.7%	8,484	8,627	143	1.7%
84.0%	8,291	8,576	285	3.4%
85.2%	8,283	8,569	286	3.5%
86.4%	8,233	8,384	151	1.8%
87.7%	7,939	8,382	443	5.6%
88.9%	7,842	8,304	462	5.9%
90.1%	7,754	8,238	483	6.2%
91.4%	7,668	8,065	398	5.2%
92.6%	7,599	7,941	343	4.5%
93.8%	7,567	7,919	353	4.7%
95.1%	7,554	7,897	343	4.5%
96.3%	7,553	7,861	308	4.1%
97.5%	7,406	7,806	400	5.4%
98.8%	7,215	7,760	545	7.6%
100.0%	6,416	6,743	326	5.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,725	12,409	685	5.8%
1.2%	11,660	11,661	1	0.0%
2.5%	11,581	11,211	-370	-3.2%
3.7%	11,021	11,026	5	0.0%
4.9%	11,011	10,318	-692	-6.3%
6.2%	10,576	10,283	-293	-2.8%
7.4%	10,435	9,911	-524	-5.0%
8.6%	10,083	9,809	-274	-2.7%
9.9%	10,008	9,267	-741	-7.4%
11.1%	10,001	9,249	-752	-7.5%
12.3%	9,571	9,072	-499	-5.2%
13.6%	9,487	9,039	-448	-4.7%
14.8%	9,481	8,993	-488	-5.1%
16.0%	9,453	8,870	-583	-6.2%
17.3%	9,423	8,845	-578	-6.1%
18.5%	9,278	8,690	-588	-6.3%
19.8%	9,207	8,567	-640	-7.0%
21.0%	9,130	8,394	-736	-8.1%
22.2%	9,031	8,322	-709	-7.8%
23.5%	8,735	8,293	-442	-5.1%
24.7%	8,723	8,291	-432	-5.0%
25.9%	8,636	8,267	-369	-4.3%
27.2%	8,613	8,209	-403	-4.7%
28.4%	8,595	8,188	-407	-4.7%
29.6%	8,419	8,152	-267	-3.2%
30.9%	8,297	8,143	-153	-1.9%
32.1%	8,254	8,133	-121	-1.5%
33.3%	8,229	8,129	-100	-1.2%
34.6%	8,167	8,112	-55	-0.7%
35.8%	8,136	8,044	-92	-1.1%
37.0%	8,130	8,030	-100	-1.2%
38.3%	8,124	7,986	-139	-1.7%
39.5%	8,042	7,953	-88	-1.1%
40.7%	8,038	7,885	-153	-1.9%
42.0%	7,990	7,870	-120	-1.5%
43.2%	7,922	7,858	-64	-0.8%
44.4%	7,906	7,854	-51	-0.7%
45.7%	7,905	7,853	-52	-0.7%
46.9%	7,900	7,822	-78	-1.0%
48.1%	7,828	7,814	-15	-0.2%
49.4%	7,828	7,795	-32	-0.4%
50.6%	7,787	7,775	-11	-0.1%
51.9%	7,729	7,774	45	0.6%
53.1%	7,686	7,774	87	1.1%
54.3%	7,682	7,763	81	1.1%
55.6%	7,592	7,753	161	2.1%
56.8%	7,592	7,642	50	0.7%
58.0%	7,555	7,563	7	0.1%
59.3%	7,527	7,554	27	0.4%
60.5%	7,517	7,500	-17	-0.2%
61.7%	7,501	7,373	-128	-1.7%
63.0%	7,458	7,355	-103	-1.4%
64.2%	7,435	7,337	-98	-1.3%
65.4%	7,416	7,309	-107	-1.4%
66.7%	7,377	7,301	-76	-1.0%
67.9%	7,345	7,108	-237	-3.2%
69.1%	7,341	7,074	-267	-3.6%
70.4%	7,295	7,053	-242	-3.3%
71.6%	7,188	6,945	-243	-3.4%
72.8%	7,173	6,931	-243	-3.4%
74.1%	7,158	6,908	-250	-3.5%
75.3%	7,135	6,902	-232	-3.3%
76.5%	7,118	6,896	-222	-3.1%
77.8%	7,087	6,886	-201	-2.8%
79.0%	6,930	6,804	-125	-1.8%
80.2%	6,913	6,797	-116	-1.7%
81.5%	6,852	6,719	-133	-1.9%
82.7%	6,809	6,695	-113	-1.7%
84.0%	6,725	6,656	-69	-1.0%
85.2%	6,678	6,606	-71	-1.1%
86.4%	6,663	6,564	-99	-1.5%
87.7%	6,562	6,556	-5	-0.1%
88.9%	6,523	6,555	32	0.5%
90.1%	6,461	6,553	92	1.4%
91.4%	6,448	6,547	98	1.5%
92.6%	6,439	6,493	55	0.8%
93.8%	6,381	6,471	89	1.4%
95.1%	6,360	6,415	55	0.9%
96.3%	6,266	6,265	-1	0.0%
97.5%	5,826	6,094	268	4.6%
98.8%	5,678	5,974	297	5.2%
100.0%	5,574	5,921	347	6.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,961	14,661	-1,300	-8.1%
1.2%	14,688	14,506	-182	-1.2%
2.5%	14,611	14,413	-199	-1.4%
3.7%	14,560	14,098	-462	-3.2%
4.9%	14,379	13,714	-665	-4.6%
6.2%	14,033	13,460	-573	-4.1%
7.4%	13,389	13,287	-102	-0.8%
8.6%	13,292	13,162	-130	-1.0%
9.9%	12,971	13,030	59	0.5%
11.1%	12,766	12,462	-304	-2.4%
12.3%	12,705	12,292	-413	-3.3%
13.6%	12,656	12,196	-460	-3.6%
14.8%	12,561	12,170	-391	-3.1%
16.0%	12,476	12,041	-435	-3.5%
17.3%	12,037	11,667	-371	-3.1%
18.5%	12,037	11,577	-460	-3.8%
19.8%	11,870	11,389	-481	-4.0%
21.0%	11,770	11,308	-462	-3.9%
22.2%	11,521	11,271	-250	-2.2%
23.5%	11,267	11,182	-85	-0.8%
24.7%	10,992	10,894	-99	-0.9%
25.9%	10,678	10,785	106	1.0%
27.2%	10,346	10,758	413	4.0%
28.4%	10,236	10,613	377	3.7%
29.6%	9,736	9,716	-20	-0.2%
30.9%	9,696	9,381	-314	-3.2%
32.1%	9,477	9,042	-435	-4.6%
33.3%	9,234	8,966	-268	-2.9%
34.6%	8,976	8,367	-609	-6.8%
35.8%	8,681	7,547	-1,134	-13.1%
37.0%	8,644	7,315	-1,329	-15.4%
38.3%	8,467	7,177	-1,290	-15.2%
39.5%	8,287	7,130	-1,158	-14.0%
40.7%	7,573	6,601	-972	-12.8%
42.0%	7,039	6,548	-490	-7.0%
43.2%	6,539	6,488	51	-0.8%
44.4%	6,531	6,456	-74	-1.1%
45.7%	6,514	6,416	-97	-1.5%
46.9%	6,502	6,250	-252	-3.9%
48.1%	6,456	6,199	-257	-4.0%
49.4%	6,418	6,199	-220	-3.4%
50.6%	6,197	6,058	-139	-2.2%
51.9%	6,141	5,964	-178	-2.9%
53.1%	6,129	5,880	-250	-4.1%
54.3%	5,991	5,879	-112	-1.9%
55.6%	5,887	5,852	-35	-0.6%
56.8%	5,832	5,784	-48	-0.8%
58.0%	5,743	5,756	13	0.2%
59.3%	5,710	5,711	1	0.0%
60.5%	5,673	5,634	-39	-0.7%
61.7%	5,590	5,577	-13	-0.2%
63.0%	5,489	5,529	40	0.7%
64.2%	5,483	5,494	11	0.2%
65.4%	5,479	5,484	5	0.1%
66.7%	5,479	5,476	-4	-0.1%
67.9%	5,465	5,435	-30	-0.5%
69.1%	5,462	5,396	-66	-1.2%
70.4%	5,407	5,350	-57	-1.1%
71.6%	5,327	5,344	17	0.3%
72.8%	5,253	5,340	87	1.7%
74.1%	5,228	5,273	45	0.9%
75.3%	5,162	5,270	108	2.1%
76.5%	5,046	5,262	216	4.3%
77.8%	4,982	5,232	250	5.0%
79.0%	4,963	5,154	191	3.9%
80.2%	4,961	5,142	181	3.6%
81.5%	4,948	5,071	123	2.5%
82.7%	4,869	5,063	195	4.0%
84.0%	4,832	5,046	214	4.4%
85.2%	4,728	4,997	270	5.7%
86.4%	4,682	4,988	305	6.5%
87.7%	4,610	4,930	320	6.9%
88.9%	4,434	4,755	321	7.2%
90.1%	4,377	4,748	372	8.5%
91.4%	4,351	4,576	225	5.2%
92.6%	4,045	4,564	520	12.9%
93.8%	4,041	4,533	492	12.2%
95.1%	3,977	4,452	475	11.9%
96.3%	3,964	4,027	63	1.6%
97.5%	3,909	4,023	114	2.9%
98.8%	3,886	4,012	126	3.2%
100.0%	3,843	4,005	162	4.2%

Table SW-14-9a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,234	8,862	14,547	21,245	25,498	19,959	11,661	8,385	7,862	8,770	7,277	8,066
Alternative D	6,965	9,524	13,957	19,530	23,932	17,940	11,287	8,275	8,395	10,126	7,854	8,850
Difference	731	662	-590	-1,715	-1,566	-2,019	-374	-110	533	1,355	577	784
Percent Difference[3]	11.7%	7.5%	-4.1%	-8.1%	-6.1%	-10.1%	-3.2%	-1.3%	6.8%	15.5%	7.9%	9.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	7,414	11,413	15,337	38,456	42,977	33,038	19,238	12,191	8,789	8,608	7,521	12,512
Alternative D	8,749	11,995	14,543	36,555	41,417	31,655	18,932	12,009	9,400	9,737	7,518	13,417
Difference	1,335	582	-794	-1,902	-1,560	-1,383	-306	-182	611	1,129	-4	905
Percent Difference	18.0%	5.1%	-5.2%	-4.9%	-3.6%	-4.2%	-1.6%	-1.5%	7.0%	13.1%	0.0%	7.2%
Above Normal (15%)												
No Action Alternative	6,212	11,019	14,836	24,491	32,399	23,921	11,972	8,904	7,864	9,087	7,132	8,159
Alternative D	7,096	12,219	13,955	21,199	30,168	21,108	11,081	8,529	7,818	10,980	7,759	8,819
Difference	885	1,200	-881	-3,292	-2,231	-2,812	-891	-375	-46	1,893	627	660
Percent Difference	14.2%	10.9%	-5.9%	-13.4%	-6.9%	-11.8%	-7.4%	-4.2%	-0.6%	20.8%	8.8%	8.1%
Below Normal (17%)												
No Action Alternative	5,761	8,082	16,579	12,964	17,158	12,172	8,782	6,787	7,244	8,240	6,717	5,287
Alternative D	6,626	8,709	16,030	10,787	15,753	9,570	8,054	6,550	7,457	10,046	7,392	6,141
Difference	865	627	-549	-2,177	-1,404	-2,602	-728	-237	213	1,806	675	854
Percent Difference	15.0%	7.8%	-3.3%	-16.8%	-8.2%	-21.4%	-8.3%	-3.5%	2.9%	21.9%	10.0%	16.1%
Dry (22%)												
No Action Alternative	5,620	6,869	16,082	9,443	13,412	12,190	6,698	5,860	7,336	9,060	7,454	5,603
Alternative D	5,749	7,650	16,000	8,646	11,786	9,438	6,410	6,034	8,102	10,543	8,570	6,450
Difference	130	781	-82	-797	-1,626	-2,752	-288	174	767	1,483	1,116	847
Percent Difference	2.3%	11.4%	-0.5%	-8.4%	-12.1%	-22.6%	-4.3%	3.0%	10.5%	16.4%	15.0%	15.1%
Critical (15%)												
No Action Alternative	5,171	5,078	7,875	8,072	8,584	8,396	5,736	5,274	7,363	8,990	7,279	5,274
Alternative D	5,186	5,235	7,208	7,500	7,569	7,574	6,019	5,304	8,329	9,579	8,144	5,746
Difference	15	156	-667	-572	-1,015	-822	283	30	967	589	864	473
Percent Difference	0.3%	3.1%	-8.5%	-7.1%	-11.8%	-9.8%	4.9%	0.6%	13.1%	6.6%	11.9%	9.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-14-9b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

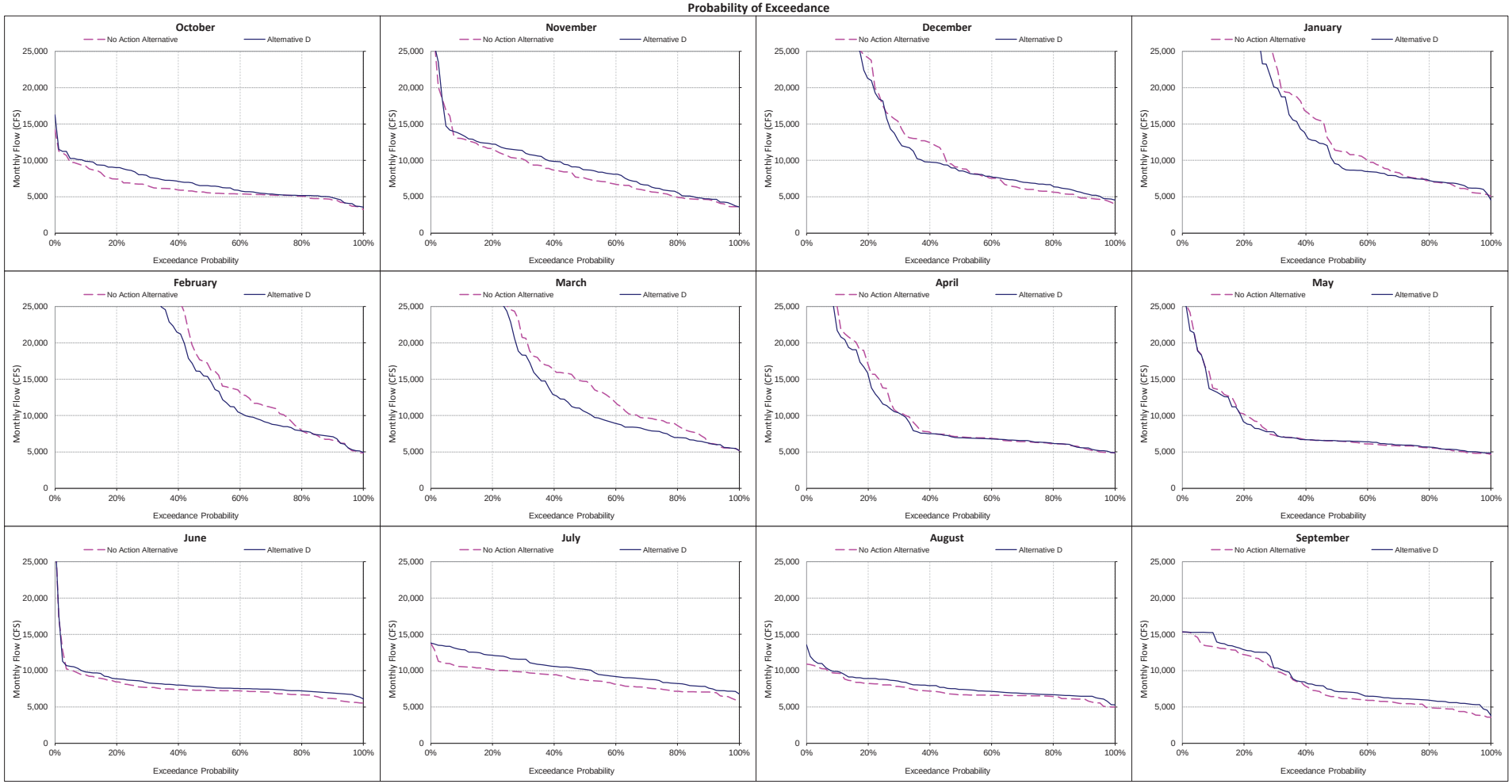

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,202	16,260	2,059	14.5%
1.2%	11,267	11,524	257	2.3%
2.5%	11,029	11,251	222	2.0%
3.7%	10,674	11,228	554	5.2%
4.9%	9,728	10,269	540	5.6%
6.2%	9,703	10,267	563	5.8%
7.4%	9,515	10,137	623	6.5%
8.6%	9,336	10,070	735	7.9%
9.9%	9,236	9,874	638	6.9%
11.1%	8,839	9,840	1,001	11.3%
12.3%	8,677	9,788	1,111	12.8%
13.6%	8,614	9,389	775	9.0%
14.8%	8,331	9,359	1,029	12.3%
16.0%	7,832	9,326	1,493	19.1%
17.3%	7,676	9,075	1,399	18.2%
18.5%	7,475	9,061	1,586	21.2%
19.8%	7,420	9,016	1,596	21.5%
21.0%	7,420	8,991	1,571	21.2%
22.2%	6,924	8,838	1,914	27.6%
23.5%	6,913	8,676	1,763	25.5%
24.7%	6,873	8,630	1,757	25.6%
25.9%	6,783	8,419	1,636	24.1%
27.2%	6,740	8,043	1,302	19.3%
28.4%	6,721	8,013	1,292	19.2%
29.6%	6,589	7,976	1,387	21.1%
30.9%	6,382	7,652	1,270	19.9%
32.1%	6,216	7,584	1,367	22.0%
33.3%	6,178	7,491	1,314	21.3%
34.6%	6,154	7,366	1,213	19.7%
35.8%	6,144	7,266	1,122	18.3%
37.0%	6,118	7,250	1,132	18.5%
38.3%	6,106	7,214	1,109	18.2%
39.5%	5,972	7,167	1,195	20.0%
40.7%	5,908	7,053	1,145	19.4%
42.0%	5,885	6,982	1,097	18.6%
43.2%	5,810	6,977	1,167	20.1%
44.4%	5,805	6,911	1,106	19.1%
45.7%	5,687	6,665	978	17.2%
46.9%	5,648	6,533	885	15.7%
48.1%	5,646	6,523	877	15.5%
49.4%	5,541	6,512	971	17.5%
50.6%	5,525	6,474	949	17.2%
51.9%	5,494	6,454	960	17.5%
53.1%	5,474	6,384	910	16.6%
54.3%	5,458	6,252	794	14.5%
55.6%	5,407	6,221	815	15.1%
56.8%	5,404	6,214	810	15.0%
58.0%	5,395	5,949	554	10.3%
59.3%	5,374	5,911	537	10.0%
60.5%	5,373	5,743	370	6.9%
61.7%	5,360	5,693	333	6.2%
63.0%	5,336	5,690	353	6.6%
64.2%	5,322	5,647	324	6.1%
65.4%	5,314	5,545	231	4.3%
66.7%	5,291	5,475	184	3.5%
67.9%	5,273	5,446	173	3.3%
69.1%	5,237	5,392	155	3.0%
70.4%	5,236	5,381	145	2.8%
71.6%	5,211	5,308	97	1.9%
72.8%	5,204	5,257	53	1.0%
74.1%	5,202	5,243	41	0.8%
75.3%	5,185	5,215	30	0.6%
76.5%	5,160	5,211	51	1.0%
77.8%	5,109	5,210	101	2.0%
79.0%	5,084	5,176	92	1.8%
80.2%	5,055	5,169	114	2.3%
81.5%	5,042	5,169	126	2.5%
82.7%	4,795	5,154	359	7.5%
84.0%	4,755	5,121	366	7.7%
85.2%	4,731	5,116	384	8.1%
86.4%	4,713	5,038	325	6.9%
87.7%	4,708	5,013	304	6.5%
88.9%	4,676	4,990	314	6.7%
90.1%	4,552	4,855	303	6.6%
91.4%	4,517	4,715	198	4.4%
92.6%	4,210	4,574	364	8.6%
93.8%	4,186	4,155	-31	-0.8%
95.1%	3,897	4,082	185	4.7%
96.3%	3,710	4,066	356	9.6%
97.5%	3,673	3,704	31	0.8%
98.8%	3,581	3,658	77	2.1%
100.0%	3,225	3,577	351	10.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,314	37,579	-4,735	-11.2%
1.2%	26,322	25,801	-521	-2.0%
2.5%	20,070	23,523	3,453	17.2%
3.7%	18,483	18,541	58	0.3%
4.9%	16,842	14,741	-2,102	-12.5%
6.2%	16,132	14,169	-1,963	-12.2%
7.4%	13,510	14,014	504	3.7%
8.6%	13,069	13,830	760	5.8%
9.9%	13,002	13,594	591	4.5%
11.1%	12,862	13,311	449	3.5%
12.3%	12,655	12,948	293	2.3%
13.6%	12,525	12,900	375	3.0%
14.8%	12,349	12,638	288	2.3%
16.0%	11,895	12,444	548	4.6%
17.3%	11,871	12,375	504	4.2%
18.5%	11,664	12,362	698	6.0%
19.8%	11,635	12,244	609	5.2%
21.0%	11,341	12,205	864	7.6%
22.2%	11,075	11,934	859	7.8%
23.5%	10,860	11,686	826	7.6%
24.7%	10,692	11,626	934	8.7%
25.9%	10,383	11,565	1,182	11.4%
27.2%	10,333	11,432	1,100	10.6%
28.4%	10,259	11,416	1,157	11.3%
29.6%	10,215	11,375	1,160	11.4%
30.9%	9,988	10,972	983	9.8%
32.1%	9,537	10,778	1,241	13.0%
33.3%	9,365	10,708	1,343	14.3%
34.6%	9,357	10,596	1,239	13.2%
35.8%	9,291	10,538	1,247	13.4%
37.0%	8,911	10,157	1,246	14.0%
38.3%	8,889	9,945	1,056	11.9%
39.5%	8,703	9,878	1,176	13.5%
40.7%	8,640	9,857	1,217	14.1%
42.0%	8,509	9,797	1,288	15.1%
43.2%	8,409	9,463	1,055	12.5%
44.4%	8,407	9,383	976	11.6%
45.7%	8,350	9,123	772	9.3%
46.9%	7,709	9,104	1,395	18.1%
48.1%	7,647	9,048	1,401	18.3%
49.4%	7,641	8,742	1,101	14.4%
50.6%	7,477	8,701	1,225	16.4%
51.9%	7,344	8,643	1,299	17.7%
53.1%	7,187	8,546	1,359	18.9%
54.3%	7,144	8,395	1,251	17.5%
55.6%	7,085	8,372	1,287	18.2%
56.8%	7,046	8,232	1,186	16.8%
58.0%	6,876	8,184	1,309	19.0%
59.3%	6,758	8,115	1,357	20.1%
60.5%	6,682	8,111	1,429	21.4%
61.7%	6,625	7,913	1,288	19.4%
63.0%	6,571	7,544	973	14.8%
64.2%	6,558	7,309	751	11.5%
65.4%	6,232	7,161	930	14.9%
66.7%	6,075	7,085	1,010	16.6%
67.9%	6,004	6,741	737	12.3%
69.1%	5,907	6,639	733	12.4%
70.4%	5,791	6,611	820	14.2%
71.6%	5,656	6,317	661	11.7%
72.8%	5,607	6,180	573	10.2%
74.1%	5,564	6,149	585	10.5%
75.3%	5,444	5,939	495	9.1%
76.5%	5,376	5,872	496	9.2%
77.8%	5,162	5,806	644	12.5%
79.0%	5,030	5,765	735	14.6%
80.2%	4,870	5,522	652	13.4%
81.5%	4,858	5,134	276	5.7%
82.7%	4,725	5,113	388	8.2%
84.0%	4,697	5,109	413	8.8%
85.2%	4,667	4,980	313	6.7%
86.4%	4,655	4,841	186	4.0%
87.7%	4,642	4,825	184	4.0%
88.9%	4,629	4,726	97	2.1%
90.1%	4,616	4,712	95	2.1%
91.4%	4,461	4,658	197	4.4%
92.6%	4,308	4,645	337	7.8%
93.8%	4,082	4,258	176	4.3%
95.1%	4,003	4,249	246	6.1%
96.3%	3,674	4,186	512	13.9%
97.5%	3,640	3,966	326	9.0%
98.8%	3,631	3,753	122	3.4%
100.0%	3,623	3,598	-25	-0.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,762	61,842	80	0.1%
1.2%	52,867	51,788	-1,079	-2.0%
2.5%	43,545	42,161	-1,383	-3.2%
3.7%	43,093	41,259	-1,834	-4.3%
4.9%	41,211	39,499	-1,711	-4.2%
6.2%	39,983	38,221	-1,763	-4.4%
7.4%	39,150	33,723	-5,427	-13.9%
8.6%	36,633	33,177	-3,456	-9.4%
9.9%	31,832	30,690	-1,141	-3.6%
11.1%	30,640	30,474	-166	-0.5%
12.3%	30,000	27,542	-2,458	-8.2%
13.6%	29,163	26,526	-2,637	-9.0%
14.8%	28,219	26,353	-1,865	-6.6%
16.0%	27,201	26,139	-1,062	-3.9%
17.3%	25,261	24,923	-337	-1.3%
18.5%	24,488	22,414	-2,073	-8.5%
19.8%	24,185	21,275	-2,909	-12.0%
21.0%	23,752	20,974	-2,778	-11.7%
22.2%	19,912	19,253	-659	-3.3%
23.5%	19,097	18,436	-661	-3.5%
24.7%	17,569	18,170	601	3.4%
25.9%	16,568	15,766	-802	-4.8%
27.2%	16,154	14,300	-1,854	-11.5%
28.4%	15,742	13,759	-1,982	-12.6%
29.6%	15,402	12,771	-2,631	-17.1%
30.9%	14,309	12,021	-2,288	-16.0%
32.1%	13,417	11,869	-1,549	-11.5%
33.3%	13,111	11,740	-1,371	-10.5%
34.6%	13,031	11,289	-1,741	-13.4%
35.8%	12,995	10,235	-2,760	-21.2%
37.0%	12,702	10,103	-2,600	-20.5%
38.3%	12,689	9,797	-2,892	-22.8%
39.5%	12,528	9,764	-2,764	-22.1%
40.7%	12,269	9,748	-2,521	-20.5%
42.0%	11,992	9,716	-2,276	-19.0%
43.2%	11,756	9,591	-2,165	-18.4%
44.4%	10,928	9,396	-1,531	-14.0%
45.7%	9,541	9,363	-178	-1.9%
46.9%	9,527	8,958	-569	-6.0%
48.1%	9,108	8,940	-168	-1.8%
49.4%	9,082	8,566	-516	-5.7%
50.6%	8,843	8,566	-278	-3.1%
51.9%	8,780	8,376	-404	-4.6%
53.1%	8,313	8,172	-141	-1.7%
54.3%	8,179	8,108	-70	-0.9%
55.6%	8,139	8,072	-67	-0.8%
56.8%	7,877	8,051	175	2.2%
58.0%	7,828	7,816	-12	-0.2%
59.3%	7,562	7,813	251	3.3%
60.5%	7,541	7,687	146	1.9%
61.7%	7,532	7,645	113	1.5%
63.0%	7,269	7,551	282	3.9%
64.2%	6,702	7,419	717	10.7%
65.4%	6,520	7,383	863	13.2%
66.7%	6,426	7,339	913	14.2%
67.9%	6,344	7,252	909	14.3%
69.1%	6,190	7,099	909	14.7%
70.4%	6,090	6,997	907	14.9%
71.6%	6,003	6,953	950	15.8%
72.8%	5,999	6,866	867	14.5%
74.1%	5,998	6,852	853	14.2%
75.3%	5,792	6,731	938	16.2%
76.5%	5,763	6,723	960	16.7%
77.8%	5,749	6,670	921	16.0%
79.0%	5,671	6,657	986	17.4%
80.2%	5,606	6,348	743	13.2%
81.5%	5,592	6,333	741	13.2%
82.7%	5,415	6,173	758	14.0%
84.0%	5,358	6,094	735	13.7%
85.2%	5,346	6,027	681	12.7%
86.4%	5,325	5,897	572	10.7%
87.7%	5,029	5,741	712	14.2%
88.9%	4,819	5,605	787	16.3%
90.1%	4,809	5,437	628	13.1%
91.4%	4,756	5,354	598	12.6%
92.6%	4,729	5,211	482	10.2%
93.8%	4,688	5,193	505	10.8%
95.1%	4,658	5,053	395	8.5%
96.3%	4,593	4,763	171	3.7%
97.5%	4,445	4,727	282	6.3%
98.8%	4,216	4,689	472	11.2%
100.0%	3,979	4,531	553	13.9%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,430	83,037	-393	-0.5%
1.2%	70,938	69,612	-1,327	-1.9%
2.5%	70,411	68,004	-2,407	-3.4%
3.7%	69,603	67,916	-1,687	-2.4%
4.9%	63,527	63,723	196	0.3%
6.2%	62,575	60,829	-1,746	-2.8%
7.4%	60,183	60,624	441	0.7%
8.6%	60,134	54,603	-5,531	-9.2%
9.9%	48,603	45,091	-3,512	-7.2%
11.1%	45,100	44,186	-915	-2.0%
12.3%	43,109	38,765	-4,345	-10.1%
13.6%	42,619	36,585	-6,034	-14.2%
14.8%	40,661	36,462	-4,198	-10.3%
16.0%	40,179	36,191	-3,988	-9.9%
17.3%	39,837	36,127	-3,710	-9.3%
18.5%	37,539	32,746	-4,793	-12.8%
19.8%	36,084	31,704	-4,380	-12.1%
21.0%	33,867	30,561	-3,305	-9.8%
22.2%	31,276	28,266	-3,010	-9.6%
23.5%	30,694	27,717	-2,977	-9.7%
24.7%	30,000	27,086	-2,914	-9.7%
25.9%	28,235	23,291	-4,944	-17.5%
27.2%	27,623	23,257	-4,366	-15.8%
28.4%	26,100	21,703	-4,397	-16.8%
29.6%	24,068	20,088	-3,980	-16.5%
30.9%	22,358	19,918	-2,439	-10.9%
32.1%	19,677	18,748	-930	-4.7%
33.3%	19,417	18,732	-685	-3.5%
34.6%	19,319	16,287	-3,032	-15.7%
35.8%	18,929	15,566	-3,363	-17.8%
37.0%	18,728	15,355	-3,373	-18.0%
38.3%	18,165	14,298	-3,867	-21.3%
39.5%	16,886	13,875	-3,011	-17.8%
40.7%	16,491	12,973	-3,517	-21.3%
42.0%	16,023	12,765	-3,258	-20.3%
43.2%	15,661	12,720	-2,941	-18.8%
44.4%	15,479	12,362	-3,117	-20.1%
45.7%	15,365	12,304	-3,061	-19.9%
46.9%	13,120	12,047	-1,073	-8.2%
48.1%	12,357	10,402	-1,954	-15.8%
49.4%	11,407	9,555	-1,851	-16.2%
50.6%	11,292	9,435	-1,858	-16.4%
51.9%	11,208	8,930	-2,277	-20.3%
53.1%	11,188	8,678	-2,510	-22.4%
54.3%	10,779	8,663	-2,116	-19.6%
55.6%	10,769	8,641	-2,127	-19.8%
56.8%	10,680	8,616	-2,064	-19.3%
58.0%	10,561	8,609	-1,952	-18.5%
59.3%	10,220	8,487	-1,733	-17.0%
60.5%	9,749	8,432	-1,318	-13.5%
61.7%	9,737	8,419	-1,318	-13.5%
63.0%	9,429	8,386	-1,043	-11.1%
64.2%	9,267	8,251	-1,016	-11.0%
65.4%	8,915	8,187	-728	-8.2%
66.7%	8,780	7,921	-859	-9.8%
67.9%	8,394	7,911	-483	-5.8%
69.1%	8,373	7,889	-484	-5.8%
70.4%	8,287	7,678	-609	-7.3%
71.6%	7,916	7,624	-292	-3.7%
72.8%	7,765	7,595	-170	-2.2%
74.1%	7,636	7,582	-54	-0.7%
75.3%	7,565	7,469	-96	-1.3%
76.5%	7,551	7,429	-122	-1.6%
77.8%	7,536	7,400	-136	-1.8%
79.0%	7,224	7,399	176	2.4%
80.2%	7,222	7,206	-16	-0.2%
81.5%	7,018	7,100	82	1.2%
82.7%	6,982	7,065	83	1.2%
84.0%	6,924	7,008	84	1.2%
85.2%	6,924	6,961	37	0.5%
86.4%	6,873	6,882	9	0.1%
87.7%	6,604	6,873	269	4.1%
88.9%	6,322	6,821	499	7.9%
90.1%	6,134	6,652	517	8.4%
91.4%	6,129	6,521	392	6.4%
92.6%	6,018	6,200	182	3.0%
93.8%	5,595	6,184	589	10.5%
95.1%	5,503	6,166	663	12.0%
96.3%	5,473	6,131	658	12.0%
97.5%	5,398	6,004	605	11.2%
98.8%	5,306	5,427	121	2.3%
100.0%	5,083	4,547	-536	-10.6%

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	91,791	91,652	-139	-0.2%
1.2%	91,357	91,357	0	0.0%
2.5%	79,870	80,820	950	1.2%
3.7%	72,402	72,400	-2	0.0%
4.9%	66,866	66,690	-176	-0.3%
6.2%	65,508	65,514	6	0.0%
7.4%	65,491	61,798	-3,693	-5.6%
8.6%	61,080	59,937	-1,143	-1.9%
9.9%	60,171	59,565	-606	-1.0%
11.1%	59,907	55,711	-4,196	-7.0%
12.3%	57,699	54,187	-3,512	-6.1%
13.6%	53,906	50,984	-2,922	-5.4%
14.8%	50,976	49,723	-1,252	-2.5%
16.0%	43,038	41,450	-1,588	-3.7%
17.3%	40,663	38,514	-2,149	-5.3%
18.5%	40,060	37,497	-2,563	-6.4%
19.8%	39,930	36,845	-3,084	-7.7%
21.0%	39,723	36,138	-3,585	-9.0%
22.2%	37,879	35,629	-2,250	-5.9%
23.5%	37,675	34,454	-3,221	-8.5%
24.7%	33,030	31,201	-1,829	-5.5%
25.9%	30,646	30,353	-292	-1.0%
27.2%	30,372	30,267	-105	-0.3%
28.4%	30,356	30,000	-356	-1.2%
29.6%	29,908	28,814	-1,094	-3.7%
30.9%	29,558	28,288	-1,270	-4.3%
32.1%	29,343	26,318	-3,025	-10.3%
33.3%	28,088	25,874	-2,214	-7.9%
34.6%	26,803	24,925	-1,877	-7.0%
35.8%	26,357	24,570	-1,787	-6.8%
37.0%	26,267	22,890	-3,377	-12.9%
38.3%	26,169	22,338	-3,830	-14.6%
39.5%	25,890	21,513	-4,377	-16.9%
40.7%	25,463	21,228	-4,234	-16.6%
42.0%	24,211	19,946	-4,265	-17.6%
43.2%	21,847	17,876	-3,971	-18.2%
44.4%	19,740	17,166	-2,575	-13.0%
45.7%	18,556	16,130	-2,426	-13.1%
46.9%	17,701	16,087	-1,614	-9.1%
48.1%	17,490	15,460	-2,030	-11.6%
49.4%	17,233	15,402	-1,830	-10.6%
50.6%	16,225	14,599	-1,626	-10.0%
51.9%	16,132	13,565	-2,567	-15.9%
53.1%	15,562	13,347	-2,215	-14.2%
54.3%	14,077	12,171	-1,905	-13.5%
55.6%	13,956	11,757	-2,199	-15.8%
56.8%	13,799	11,235	-2,564	-18.6%
58.0%	13,675	11,197	-2,478	-18.1%
59.3%	13,528	10,499	-3,028	-22.4%
60.5%	12,864	10,254	-2,610	-20.3%
61.7%	12,760	9,987	-2,773	-21.7%
63.0%	12,380	9,858	-2,522	-20.4%
64.2%	11,696	9,780	-1,916	-16.4%
65.4%	11,676	9,550	-2,126	-18.2%
66.7%	11,537	9,402	-2,135	-18.5%
67.9%	11,316	9,145	-2,171	-19.2%
69.1%	11,251	9,006	-2,246	-20.0%
70.4%	11,086	8,805	-2,281	-20.6%
71.6%	10,949	8,724	-2,226	-20.3%
72.8%	10,251	8,627	-1,624	-15.8%
74.1%	10,117	8,493	-1,624	-16.1%
75.3%	9,745	8,469	-1,276	-13.1%
76.5%	9,194	8,349	-845	-9.2%
77.8%	8,657	8,034	-623	-7.2%
79.0%	8,307	7,969	-337	-4.1%
80.2%	7,832	7,862	30	0.4%
81.5%	7,598	7,831	233	3.1%
82.7%	7,509	7,730	222	3.0%
84.0%	7,465	7,398	-67	-0.9%
85.2%	7,226	7,377	151	2.1%
86.4%	6,873	7,283	410	6.0%
87.7%	6,723	7,218	494	7.4%
88.9%	6,717	7,160	443	6.6%
90.1%	6,595	7,098	502	7.6%
91.4%	6,576	6,819	243	3.7%
92.6%	6,213	6,170	-43	-0.7%
93.8%	6,172	6,060	-112	-1.8%
95.1%	5,535	5,537	2	0.0%
96.3%	5,155	5,297	142	2.8%
97.5%	5,134	5,161	27	0.5%
98.8%	4,871	5,120	249	5.1%
100.0%	4,864	4,932	69	1.4%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,753	86,753	0	0.0%
1.2%	80,957	77,412	-3,545	-4.4%
2.5%	72,387	71,599	-788	-1.1%
3.7%	62,138	62,131	-7	0.0%
4.9%	51,292	51,260	-32	-0.1%
6.2%	51,258	46,994	-4,264	-8.3%
7.4%	50,574	44,619	-5,955	-11.8%
8.6%	43,894	41,291	-2,604	-5.9%
9.9%	42,181	38,065	-4,115	-9.8%
11.1%	39,592	37,943	-1,649	-4.2%
12.3%	39,103	33,137	-5,966	-15.3%
13.6%	32,695	31,875	-820	-2.5%
14.8%	30,218	29,216	-1,002	-3.3%
16.0%	29,208	29,082	-126	-0.4%
17.3%	28,908	27,560	-1,348	-4.7%
18.5%	27,569	27,426	-143	-0.5%
19.8%	27,422	26,925	-497	-1.8%
21.0%	26,585	25,485	-1,100	-4.1%
22.2%	26,250	25,411	-839	-3.2%
23.5%	25,410	25,192	-218	-0.9%
24.7%	25,167	24,362	-805	-3.2%
25.9%	24,560	22,863	-1,698	-6.9%
27.2%	24,357	20,671	-3,686	-15.1%
28.4%	23,242	18,871	-4,372	-18.8%
29.6%	20,767	18,308	-2,459	-11.8%
30.9%	20,610	18,284	-2,327	-11.3%
32.1%	18,879	17,246	-1,633	-8.6%
33.3%	18,185	15,946	-2,239	-12.3%
34.6%	18,000	15,361	-2,639	-14.7%
35.8%	17,293	14,776	-2,517	-14.6%
37.0%	17,002	14,775	-2,227	-13.1%
38.3%	16,845	13,793	-3,053	-18.1%
39.5%	16,480	12,924	-3,555	-21.6%
40.7%	15,949	12,688	-3,261	-20.4%
42.0%	15,942	12,284	-3,658	-22.9%
43.2%	15,829	12,236	-3,594	-22.7%
44.4%	15,792	11,829	-3,963	-25.1%
45.7%	15,676	11,251	-4,426	-28.2%
46.9%	15,028	11,079	-3,950	-26.3%
48.1%	14,827	11,021	-3,807	-25.7%
49.4%	14,736	10,643	-4,093	-27.8%
50.6%	14,697	10,401	-4,296	-29.2%
51.9%	14,225	10,109	-4,116	-28.9%
53.1%	13,539	9,724	-3,814	-28.2%
54.3%	13,306	9,665	-3,642	-27.4%
55.6%	13,186	9,501	-3,685	-27.9%
56.8%	12,882	9,284	-3,598	-27.9%
58.0%	12,486	9,194	-3,292	-26.4%
59.3%	12,021	8,981	-3,039	-25.3%
60.5%	11,529	8,878	-2,651	-23.0%
61.7%	11,248	8,730	-2,518	-22.4%
63.0%	10,627	8,427	-2,200	-20.7%
64.2%	10,233	8,421	-1,812	-17.7%
65.4%	10,117	8,415	-1,701	-16.8%
66.7%	10,077	8,389	-1,689	-16.8%
67.9%	9,728	8,291	-1,436	-14.8%
69.1%	9,680	8,146	-1,534	-15.8%
70.4%	9,662	8,004	-1,658	-17.2%
71.6%	9,583	7,887	-1,697	-17.7%
72.8%	9,450	7,852	-1,598	-16.9%
74.1%	9,392	7,814	-1,578	-16.8%
75.3%	9,292	7,604	-1,688	-18.2%
76.5%	8,992	7,521	-1,471	-16.4%
77.8%	8,975	7,197	-1,778	-19.8%
79.0%	8,895	6,988	-1,907	-21.4%
80.2%	8,558	6,986	-1,572	-18.4%
81.5%	8,240	6,957	-1,282	-15.6%
82.7%	8,003	6,897	-1,106	-13.8%
84.0%	7,821	6,668	-1,153	-14.7%
85.2%	7,714	6,615	-1,098	-14.2%
86.4%	7,622	6,495	-1,127	-14.8%
87.7%	7,216	6,451	-765	-10.6%
88.9%	6,909	6,330	-579	-8.4%
90.1%	6,138	6,209	71	1.2%
91.4%	6,123	6,070	-54	-0.9%
92.6%	6,017	6,010	-7	-0.1%
93.8%	5,675	5,987	312	5.5%
95.1%	5,547	5,626	78	1.4%
96.3%	5,544	5,585	41	0.7%
97.5%	5,473	5,504	31	0.6%
98.8%	5,470	5,470	0	0.0%
100.0%	5,171	5,217	46	0.9%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,950	50,014	65	0.1%
1.2%	44,653	44,647	-6	0.0%
2.5%	43,453	43,449	-3	0.0%
3.7%	34,687	34,687	1	0.0%
4.9%	32,373	32,377	4	0.0%
6.2%	26,009	26,013	4	0.0%
7.4%	25,498	25,481	-17	-0.1%
8.6%	25,192	25,150	-42	-0.2%
9.9%	25,158	21,697	-3,461	-13.8%
11.1%	21,898	20,808	-1,089	-5.0%
12.3%	21,270	20,459	-811	-3.8%
13.6%	20,828	19,357	-1,471	-7.1%
14.8%	20,451	19,059	-1,391	-6.8%
16.0%	20,089	19,040	-1,049	-5.2%
17.3%	19,031	17,351	-1,680	-8.8%
18.5%	18,972	16,697	-2,275	-12.0%
19.8%	17,324	15,882	-1,442	-8.3%
21.0%	15,704	13,831	-1,873	-11.9%
22.2%	15,660	12,975	-2,685	-17.1%
23.5%	14,992	12,366	-2,626	-17.5%
24.7%	13,832	11,600	-2,232	-16.1%
25.9%	13,763	11,368	-2,395	-17.4%
27.2%	11,907	10,914	-993	-8.3%
28.4%	10,820	10,554	-266	-2.5%
29.6%	10,446	10,412	-34	-0.3%
30.9%	10,344	10,110	-234	-2.3%
32.1%	10,004	9,776	-228	-2.3%
33.3%	9,793	8,999	-794	-8.1%
34.6%	9,100	7,913	-1,187	-13.0%
35.8%	8,547	7,773	-775	-9.1%
37.0%	7,910	7,587	-323	-4.1%
38.3%	7,803	7,582	-221	-2.8%
39.5%	7,764	7,500	-263	-3.4%
40.7%	7,583	7,493	-90	-1.2%
42.0%	7,475	7,481	6	0.1%
43.2%	7,447	7,435	-12	-0.2%
44.4%	7,447	7,289	-158	-2.1%
45.7%	7,419	7,264	-155	-2.1%
46.9%	7,187	7,101	-87	-1.2%
48.1%	7,126	6,989	-137	-1.9%
49.4%	7,105	6,956	-149	-2.1%
50.6%	7,031	6,956	-74	-1.1%
51.9%	7,024	6,929	-95	-1.4%
53.1%	6,986	6,924	-62	-0.9%
54.3%	6,976	6,887	-88	-1.3%
55.6%	6,958	6,844	-114	-1.6%
56.8%	6,947	6,841	-105	-1.5%
58.0%	6,929	6,796	-133	-1.9%
59.3%	6,892	6,791	-101	-1.5%
60.5%	6,832	6,770	-62	-0.9%
61.7%	6,812	6,766	-46	-0.7%
63.0%	6,641	6,723	82	1.2%
64.2%	6,541	6,704	163	2.5%
65.4%	6,507	6,642	135	2.1%
66.7%	6,489	6,639	151	2.3%
67.9%	6,441	6,588	147	2.3%
69.1%	6,419	6,579	159	2.5%
70.4%	6,410	6,573	163	2.5%
71.6%	6,407	6,557	150	2.3%
72.8%	6,361	6,453	93	1.5%
74.1%	6,297	6,356	58	0.9%
75.3%	6,288	6,354	66	1.0%
76.5%	6,282	6,312	30	0.5%
77.8%	6,246	6,298	52	0.8%
79.0%	6,144	6,247	103	1.7%
80.2%	6,129	6,156	28	0.5%
81.5%	6,108	6,145	37	0.6%
82.7%	6,097	6,125	28	0.5%
84.0%	6,030	6,086	56	0.9%
85.2%	5,881	6,052	171	2.9%
86.4%	5,841	5,818	-23	-0.4%
87.7%	5,805	5,667	-138	-2.4%
88.9%	5,599	5,596	-3	0.0%
90.1%	5,477	5,546	69	1.3%
91.4%	5,336	5,545	209	3.9%
92.6%	5,195	5,351	156	3.0%
93.8%	5,189	5,221	32	0.6%
95.1%	4,973	5,183	210	4.2%
96.3%	4,947	5,176	229	4.6%
97.5%	4,928	5,085	157	3.2%
98.8%	4,905	4,922	18	0.4%
100.0%	4,864	4,905	41	0.8%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,548	26,548	-1	0.0%
1.2%	25,224	24,925	-300	-1.2%
2.5%	24,224	21,666	-2,558	-10.6%
3.7%	21,662	21,385	-276	-1.3%
4.9%	18,981	18,868	-113	-0.6%
6.2%	18,383	18,273	-110	-0.6%
7.4%	16,707	16,591	-116	-0.7%
8.6%	16,084	13,728	-2,356	-14.7%
9.9%	13,796	13,461	-336	-2.4%
11.1%	13,654	13,231	-423	-3.1%
12.3%	13,491	12,922	-569	-4.2%
13.6%	12,922	12,598	-323	-2.5%
14.8%	12,707	12,560	-148	-1.2%
16.0%	12,558	11,220	-1,338	-10.7%
17.3%	11,551	11,211	-340	-2.9%
18.5%	10,366	10,354	-12	-0.1%
19.8%	10,249	9,174	-1,075	-10.5%
21.0%	9,926	8,829	-1,097	-11.1%
22.2%	9,624	8,710	-914	-9.5%
23.5%	9,240	8,238	-1,001	-10.8%
24.7%	9,129	8,186	-943	-10.3%
25.9%	8,442	7,992	-450	-5.3%
27.2%	8,090	7,773	-317	-3.9%
28.4%	7,426	7,772	346	4.7%
29.6%	7,321	7,743	422	5.8%
30.9%	7,161	7,175	14	0.2%
32.1%	7,160	7,039	-121	-1.7%
33.3%	7,007	7,006	-2	0.0%
34.6%	6,999	6,980	-19	-0.3%
35.8%	6,975	6,932	-43	-0.6%
37.0%	6,934	6,880	-54	-0.8%
38.3%	6,823	6,704	-119	-1.7%
39.5%	6,714	6,702	-12	-0.2%
40.7%	6,650	6,668	18	0.3%
42.0%	6,634	6,653	19	0.3%
43.2%	6,599	6,601	2	0.0%
44.4%	6,583	6,584	1	0.0%
45.7%	6,580	6,573	-7	-0.1%
46.9%	6,531	6,567	36	0.5%
48.1%	6,514	6,549	35	0.5%
49.4%	6,513	6,548	35	0.5%
50.6%	6,483	6,502	19	0.3%
51.9%	6,459	6,500	42	0.6%
53.1%	6,426	6,482	56	0.9%
54.3%	6,393	6,481	87	1.4%
55.6%	6,316	6,457	140	2.2%
56.8%	6,267	6,442	175	2.8%
58.0%	6,186	6,421	234	3.8%
59.3%	6,103	6,381	277	4.5%
60.5%	6,095	6,375	280	4.6%
61.7%	6,067	6,312	244	4.0%
63.0%	6,045	6,305	260	4.3%
64.2%	5,975	6,137	162	2.7%
65.4%	5,925	6,128	203	3.4%
66.7%	5,905	6,089	183	3.1%
67.9%	5,873	6,074	201	3.4%
69.1%	5,859	5,975	116	2.0%
70.4%	5,840	5,972	132	2.3%
71.6%	5,828	5,944	116	2.0%
72.8%	5,826	5,933	107	1.8%
74.1%	5,821	5,923	102	1.8%
75.3%	5,773	5,853	80	1.4%
76.5%	5,675	5,828	153	2.7%
77.8%	5,628	5,698	70	1.3%
79.0%	5,567	5,697	130	2.3%
80.2%	5,532	5,663	131	2.4%
81.5%	5,523	5,606	83	1.5%
82.7%	5,503	5,528	25	0.5%
84.0%	5,405	5,401	-3	-0.1%
85.2%	5,340	5,376	36	0.7%
86.4%	5,335	5,361	26	0.5%
87.7%	5,165	5,333	168	3.2%
88.9%	5,135	5,295	160	3.1%
90.1%	5,043	5,205	162	3.2%
91.4%	5,021	5,153	131	2.6%
92.6%	4,847	5,028	181	3.7%
93.8%	4,842	5,016	175	3.6%
95.1%	4,825	5,010	185	3.8%
96.3%	4,818	4,950	132	2.7%
97.5%	4,810	4,886	76	1.6%
98.8%	4,774	4,862	88	1.8%
100.0%	4,659	4,851	192	4.1%

Table SW-14-9b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,799	29,603	-196	-0.7%
1.2%	17,315	17,730	415	2.4%
2.5%	12,805	11,274	-1,531	-12.0%
3.7%	10,241	10,689	449	4.4%
4.9%	10,063	10,600	537	5.3%
6.2%	9,905	10,524	619	6.3%
7.4%	9,664	10,298	634	6.6%
8.6%	9,431	10,004	574	6.1%
9.9%	9,425	9,825	400	4.2%
11.1%	9,217	9,765	548	5.9%
12.3%	9,200	9,689	490	5.3%
13.6%	8,993	9,688	695	7.7%
14.8%	8,959	9,627	668	7.5%
16.0%	8,832	9,216	383	4.3%
17.3%	8,663	9,151	488	5.6%
18.5%	8,636	8,949	313	3.6%
19.8%	8,470	8,890	419	5.0%
21.0%	8,405	8,843	438	5.2%
22.2%	8,140	8,800	660	8.1%
23.5%	8,090	8,690	599	7.4%
24.7%	8,007	8,683	676	8.4%
25.9%	7,918	8,625	707	8.9%
27.2%	7,740	8,595	855	11.0%
28.4%	7,718	8,526	808	10.5%
29.6%	7,697	8,344	647	8.4%
30.9%	7,691	8,292	601	7.8%
32.1%	7,674	8,224	550	7.2%
33.3%	7,568	8,205	638	8.4%
34.6%	7,525	8,184	659	8.8%
35.8%	7,471	8,119	648	8.7%
37.0%	7,465	8,095	630	8.4%
38.3%	7,447	8,092	645	8.7%
39.5%	7,412	8,019	608	8.2%
40.7%	7,402	7,995	592	8.0%
42.0%	7,355	7,986	631	8.6%
43.2%	7,342	7,894	552	7.5%
44.4%	7,327	7,865	538	7.3%
45.7%	7,313	7,841	528	7.2%
46.9%	7,299	7,818	519	7.1%
48.1%	7,293	7,804	512	7.0%
49.4%	7,265	7,745	481	6.6%
50.6%	7,262	7,692	431	5.9%
51.9%	7,253	7,619	366	5.0%
53.1%	7,248	7,612	364	5.0%
54.3%	7,238	7,598	361	5.0%
55.6%	7,223	7,582	359	5.0%
56.8%	7,222	7,582	360	5.0%
58.0%	7,221	7,556	335	4.6%
59.3%	7,220	7,540	320	4.4%
60.5%	7,212	7,534	322	4.5%
61.7%	7,179	7,532	353	4.9%
63.0%	7,141	7,512	371	5.2%
64.2%	7,137	7,498	361	5.1%
65.4%	7,128	7,465	337	4.7%
66.7%	7,079	7,465	386	5.5%
67.9%	7,060	7,455	395	5.6%
69.1%	7,047	7,445	399	5.7%
70.4%	7,042	7,418	377	5.3%
71.6%	6,830	7,407	577	8.4%
72.8%	6,826	7,405	579	8.5%
74.1%	6,812	7,300	487	7.1%
75.3%	6,781	7,282	501	7.4%
76.5%	6,707	7,246	540	8.0%
77.8%	6,706	7,229	523	7.8%
79.0%	6,657	7,224	566	8.5%
80.2%	6,655	7,205	550	8.3%
81.5%	6,631	7,152	522	7.9%
82.7%	6,626	7,137	511	7.7%
84.0%	6,508	7,062	553	8.5%
85.2%	6,389	7,051	662	10.4%
86.4%	6,212	7,012	800	12.9%
87.7%	6,189	6,977	788	12.7%
88.9%	6,176	6,973	797	12.9%
90.1%	6,145	6,911	766	12.5%
91.4%	6,113	6,855	742	12.1%
92.6%	5,844	6,825	981	16.8%
93.8%	5,768	6,815	1,047	18.1%
95.1%	5,695	6,764	1,069	18.8%
96.3%	5,623	6,716	1,094	19.5%
97.5%	5,619	6,501	882	15.7%
98.8%	5,561	6,380	819	14.7%
100.0%	5,527	6,076	549	9.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,778	13,797	19	0.1%
1.2%	12,871	13,669	798	6.2%
2.5%	11,286	13,505	2,218	19.7%
3.7%	11,129	13,454	2,325	20.9%
4.9%	11,010	13,368	2,358	21.4%
6.2%	10,979	13,343	2,364	21.5%
7.4%	10,750	13,129	2,379	22.1%
8.6%	10,588	12,990	2,402	22.7%
9.9%	10,553	12,908	2,355	22.3%
11.1%	10,498	12,876	2,379	22.7%
12.3%	10,482	12,565	2,083	19.9%
13.6%	10,474	12,540	2,066	19.7%
14.8%	10,384	12,516	2,132	20.5%
16.0%	10,372	12,442	2,071	20.0%
17.3%	10,313	12,251	1,938	18.8%
18.5%	10,231	12,161	1,931	18.9%
19.8%	10,116	12,132	2,015	19.9%
21.0%	10,106	12,043	1,938	19.2%
22.2%	10,030	12,031	2,001	19.9%
23.5%	10,018	12,000	1,981	19.8%
24.7%	9,999	11,834	1,834	18.3%
25.9%	9,935	11,646	1,711	17.2%
27.2%	9,868	11,603	1,734	17.6%
28.4%	9,865	11,569	1,705	17.3%
29.6%	9,812	11,560	1,747	17.8%
30.9%	9,777	11,555	1,779	18.2%
32.1%	9,667	11,081	1,414	14.6%
33.3%	9,633	10,982	1,349	14.0%
34.6%	9,590	10,884	1,294	13.5%
35.8%	9,548	10,792	1,244	13.0%
37.0%	9,516	10,767	1,251	13.1%
38.3%	9,450	10,670	1,220	12.9%
39.5%	9,430	10,592	1,162	12.3%
40.7%	9,424	10,548	1,124	11.9%
42.0%	9,291	10,479	1,188	12.8%
43.2%	9,268	10,476	1,208	13.0%
44.4%	9,105	10,465	1,360	14.9%
45.7%	8,908	10,441	1,533	17.2%
46.9%	8,826	10,364	1,537	17.4%
48.1%	8,766	10,244	1,478	16.9%
49.4%	8,754	10,219	1,465	16.7%
50.6%	8,660	10,121	1,461	16.9%
51.9%	8,611	10,080	1,470	17.1%
53.1%	8,594	9,719	1,125	13.1%
54.3%	8,573	9,487	914	10.7%
55.6%	8,525	9,391	865	10.2%
56.8%	8,366	9,343	977	11.7%
58.0%	8,347	9,290	943	11.3%
59.3%	8,174	9,186	1,013	12.4%
60.5%	8,057	9,168	1,111	13.8%
61.7%	7,994	9,079	1,084	13.6%
63.0%	7,854	9,029	1,175	15.0%
64.2%	7,815	9,025	1,210	15.5%
65.4%	7,810	9,020	1,210	15.5%
66.7%	7,746	8,961	1,215	15.7%
67.9%	7,739	8,880	1,141	14.7%
69.1%	7,704	8,855	1,151	14.9%
70.4%	7,613	8,815	1,203	15.8%
71.6%	7,551	8,765	1,214	16.1%
72.8%	7,501	8,733	1,232	16.4%
74.1%	7,497	8,637	1,140	15.2%
75.3%	7,398	8,347	949	12.8%
76.5%	7,324	8,345	1,022	14.0%
77.8%	7,262	8,297	1,035	14.3%
79.0%	7,173	8,267	1,093	15.2%
80.2%	7,158	8,225	1,067	14.9%
81.5%	7,105	8,190	1,084	15.3%
82.7%	7,091	8,076	984	13.9%
84.0%	7,079	7,948	868	12.3%
85.2%	7,076	7,887	811	11.5%
86.4%	7,073	7,865	792	11.2%
87.7%	7,072	7,842	770	10.9%
88.9%	7,064	7,821	757	10.7%
90.1%	7,061	7,574	513	7.3%
91.4%	7,034	7,493	458	6.5%
92.6%	6,938	7,288	350	5.0%
93.8%	6,527	7,248	721	11.1%
95.1%	6,444	7,230	786	12.2%
96.3%	6,415	7,184	769	12.0%
97.5%	6,197	7,173	976	15.7%
98.8%	5,970	7,130	1,160	19.4%
100.0%	5,586	6,788	1,203	21.5%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,901	13,544	2,644	24.3%
1.2%	10,816	11,939	1,124	10.4%
2.5%	10,694	11,360	666	6.2%
3.7%	10,492	11,018	526	5.0%
4.9%	10,258	10,984	726	7.1%
6.2%	10,227	10,413	186	1.8%
7.4%	9,817	10,108	291	3.0%
8.6%	9,668	9,900	232	2.4%
9.9%	9,650	9,879	229	2.4%
11.1%	9,614	9,723	109	1.1%
12.3%	8,833	9,437	604	6.8%
13.6%	8,656	9,135	479	5.5%
14.8%	8,582	9,118	536	6.2%
16.0%	8,395	9,037	642	7.6%
17.3%	8,383	9,019	636	7.6%
18.5%	8,274	8,932	658	8.0%
19.8%	8,245	8,930	685	8.3%
21.0%	8,193	8,924	731	8.9%
22.2%	8,170	8,923	752	9.2%
23.5%	8,158	8,805	647	7.9%
24.7%	8,041	8,801	760	9.4%
25.9%	8,026	8,789	762	9.5%
27.2%	8,017	8,661	643	8.0%
28.4%	7,834	8,642	808	10.3%
29.6%	7,823	8,582	759	9.7%
30.9%	7,764	8,433	669	8.6%
32.1%	7,721	8,389	669	8.7%
33.3%	7,555	8,199	643	8.5%
34.6%	7,438	8,054	616	8.3%
35.8%	7,301	8,042	741	10.2%
37.0%	7,268	8,021	753	10.4%
38.3%	7,241	8,015	775	10.7%
39.5%	7,183	7,935	751	10.5%
40.7%	7,150	7,929	778	10.9%
42.0%	7,118	7,925	807	11.3%
43.2%	7,060	7,683	623	8.8%
44.4%	6,966	7,677	711	10.2%
45.7%	6,808	7,546	739	10.8%
46.9%	6,794	7,534	740	10.9%
48.1%	6,748	7,507	759	11.3%
49.4%	6,679	7,419	740	11.1%
50.6%	6,670	7,415	745	11.2%
51.9%	6,658	7,379	721	10.8%
53.1%	6,636	7,348	712	10.7%
54.3%	6,626	7,291	665	10.0%
55.6%	6,624	7,217	593	8.9%
56.8%	6,621	7,206	585	8.8%
58.0%	6,619	7,180	561	8.5%
59.3%	6,618	7,169	552	8.3%
60.5%	6,609	7,108	499	7.5%
61.7%	6,608	7,094	486	7.4%
63.0%	6,601	7,069	467	7.1%
64.2%	6,592	7,006	414	6.3%
65.4%	6,579	6,945	366	5.6%
66.7%	6,578	6,940	362	5.5%
67.9%	6,572	6,921	349	5.3%
69.1%	6,562	6,895	333	5.1%
70.4%	6,557	6,843	286	4.4%
71.6%	6,553	6,830	278	4.2%
72.8%	6,524	6,811	287	4.4%
74.1%	6,516	6,761	245	3.8%
75.3%	6,515	6,752	237	3.6%
76.5%	6,507	6,733	226	3.5%
77.8%	6,501	6,715	214	3.3%
79.0%	6,465	6,687	222	3.4%
80.2%	6,431	6,667	236	3.7%
81.5%	6,408	6,632	225	3.5%
82.7%	6,150	6,613	463	7.5%
84.0%	6,141	6,587	445	7.3%
85.2%	6,110	6,572	462	7.6%
86.4%	6,099	6,523	424	6.9%
87.7%	6,087	6,493	406	6.7%
88.9%	6,070	6,483	413	6.8%
90.1%	6,061	6,475	414	6.8%
91.4%	5,798	6,462	665	11.5%
92.6%	5,647	6,461	814	14.4%
93.8%	5,559	6,255	696	12.5%
95.1%	5,546	6,154	608	11.0%
96.3%	5,076	6,090	1,014	20.0%
97.5%	5,056	5,770	713	14.1%
98.8%	5,010	5,317	307	6.1%
100.0%	4,993	5,266	273	5.5%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,306	15,335	30	0.2%
1.2%	15,296	15,311	15	0.1%
2.5%	15,267	15,281	14	0.1%
3.7%	14,876	15,281	405	2.7%
4.9%	14,575	15,275	699	4.8%
6.2%	13,634	15,261	1,626	11.9%
7.4%	13,455	15,260	1,805	13.4%
8.6%	13,364	15,254	1,890	14.1%
9.9%	13,318	15,248	1,930	14.5%
11.1%	13,189	13,952	763	5.8%
12.3%	13,055	13,775	719	5.5%
13.6%	13,044	13,708	664	5.1%
14.8%	12,970	13,442	472	3.6%
16.0%	12,869	13,412	543	4.2%
17.3%	12,805	13,248	442	3.5%
18.5%	12,308	13,120	812	6.6%
19.8%	12,231	12,882	651	5.3%
21.0%	12,129	12,766	637	5.3%
22.2%	11,977	12,711	733	6.1%
23.5%	11,725	12,562	837	7.1%
24.7%	11,660	12,554	893	7.7%
25.9%	11,268	12,529	1,261	11.2%
27.2%	11,059	12,503	1,444	13.1%
28.4%	10,547	12,038	1,491	14.1%
29.6%	10,424	10,390	-35	-0.3%
30.9%	9,854	10,331	477	4.8%
32.1%	9,716	10,126	409	4.2%
33.3%	9,414	9,931	516	5.5%
34.6%	9,318	9,794	476	5.1%
35.8%	8,734	8,874	141	1.6%
37.0%	8,501	8,603	102	1.2%
38.3%	8,474	8,506	32	0.4%
39.5%	7,961	8,473	512	6.4%
40.7%	7,684	8,197	514	6.7%
42.0%	7,316	8,142	826	11.3%
43.2%	7,215	7,985	771	10.7%
44.4%	7,126	7,925	799	11.2%
45.7%	6,694	7,903	1,209	18.1%
46.9%	6,583	7,481	898	13.6%
48.1%	6,430	7,420	991	15.4%
49.4%	6,413	7,163	750	11.7%
50.6%	6,280	7,103	823	13.1%
51.9%	6,143	7,099	955	15.5%
53.1%	6,130	7,058	928	15.1%
54.3%	6,130	7,034	903	14.7%
55.6%	6,117	6,995	878	14.4%
56.8%	6,029	6,920	891	14.8%
58.0%	6,000	6,721	721	12.0%
59.3%	5,923	6,514	591	10.0%
60.5%	5,917	6,467	551	9.3%
61.7%	5,916	6,455	538	9.1%
63.0%	5,826	6,418	592	10.2%
64.2%	5,777	6,371	594	10.3%
65.4%	5,747	6,267	520	9.0%
66.7%	5,721	6,248	527	9.2%
67.9%	5,689	6,184	495	8.7%
69.1%	5,584	6,148	564	10.1%
70.4%	5,479	6,146	667	12.2%
71.6%	5,459	6,130	670	12.3%
72.8%	5,450	6,116	666	12.2%
74.1%	5,435	6,070	635	11.7%
75.3%	5,391	6,054	663	12.3%
76.5%	5,373	6,019	646	12.0%
77.8%	5,370	6,003	633	11.8%
79.0%	4,913	5,954	1,041	21.2%
80.2%	4,898	5,904	1,006	20.5%
81.5%	4,851	5,829	978	20.2%
82.7%	4,831	5,775	944	19.5%
84.0%	4,826	5,759	933	19.3%
85.2%	4,755	5,737	982	20.7%
86.4%	4,723	5,603	880	18.6%
87.7%	4,704	5,595	891	18.9%
88.9%	4,395	5,585	1,190	27.1%
90.1%	4,372	5,498	1,126	25.7%
91.4%	4,351	5,481	1,130	26.0%
92.6%	4,204	5,415	1,211	28.8%
93.8%	4,152	5,335	1,183	28.5%
95.1%	3,867	5,334	1,467	37.9%
96.3%	3,837	5,305	1,468	38.3%
97.5%	3,829	4,717	888	23.2%
98.8%	3,611	4,558	946	26.2%
100.0%	3,589	3,822	233	6.5%

Table SW-15-9a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,013	8,450	11,320	13,710	15,316	14,122	8,709	6,840	5,733	6,695	5,725	7,749
Alternative D	6,744	9,140	11,097	12,928	14,563	12,665	8,456	6,740	6,266	8,033	6,271	8,541
Difference	731	690	-223	-782	-753	-1,457	-253	-100	533	1,338	547	792
Percent Difference[3]	12.2%	8.2%	-2.0%	-5.7%	-4.9%	-10.3%	-2.9%	-1.5%	9.3%	20.0%	9.6%	10.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,090	11,141	11,589	19,105	19,831	18,268	13,423	10,357	6,434	6,606	6,034	12,210
Alternative D	8,423	11,715	11,374	18,606	19,450	17,643	13,248	10,267	7,056	7,720	6,009	13,141
Difference	1,333	574	-215	-499	-380	-625	-175	-90	622	1,113	-25	932
Percent Difference	18.8%	5.1%	-1.9%	-2.6%	-1.9%	-3.4%	-1.3%	-0.9%	9.7%	16.9%	-0.4%	7.6%
Above Normal (15%)												
No Action Alternative	5,985	9,241	12,327	16,513	19,069	17,632	10,200	7,244	5,842	7,021	5,583	7,854
Alternative D	6,875	10,805	11,942	15,647	17,990	16,092	9,580	6,886	5,800	8,909	6,157	8,523
Difference	889	1,565	-385	-866	-1,079	-1,540	-619	-358	-42	1,888	573	669
Percent Difference	14.9%	16.9%	-3.1%	-5.2%	-5.7%	-8.7%	-6.1%	-4.9%	-0.7%	26.9%	10.3%	8.5%
Below Normal (17%)												
No Action Alternative	5,610	7,976	12,629	12,400	14,370	12,001	7,022	5,430	5,242	6,137	5,154	4,980
Alternative D	6,470	8,601	12,644	10,564	13,562	9,418	6,549	5,180	5,444	7,931	5,778	5,839
Difference	860	624	15	-1,836	-809	-2,582	-473	-250	203	1,794	623	859
Percent Difference	15.3%	7.8%	0.1%	-14.8%	-5.6%	-21.5%	-6.7%	-4.6%	3.9%	29.2%	12.1%	17.2%
Dry (22%)												
No Action Alternative	5,461	6,719	11,566	8,850	11,606	11,396	5,268	4,532	5,285	6,932	5,848	5,281
Alternative D	5,595	7,384	11,553	8,385	10,701	9,223	5,024	4,691	6,039	8,391	6,931	6,120
Difference	133	665	-13	-465	-905	-2,173	-245	158	754	1,459	1,084	839
Percent Difference	2.4%	9.9%	-0.1%	-5.3%	-7.8%	-19.1%	-4.6%	3.5%	14.3%	21.1%	18.5%	15.9%
Critical (15%)												
No Action Alternative	5,008	4,978	7,834	8,034	8,451	8,196	4,136	3,921	5,351	6,860	5,676	4,908
Alternative D	5,022	5,158	7,166	7,478	7,510	7,406	4,325	3,845	6,321	7,418	6,541	5,375
Difference	14	180	-668	-556	-942	-789	189	-76	970	559	865	467
Percent Difference	0.3%	3.6%	-8.5%	-6.9%	-11.1%	-9.6%	4.6%	-1.9%	18.1%	8.1%	15.2%	9.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-15-9b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

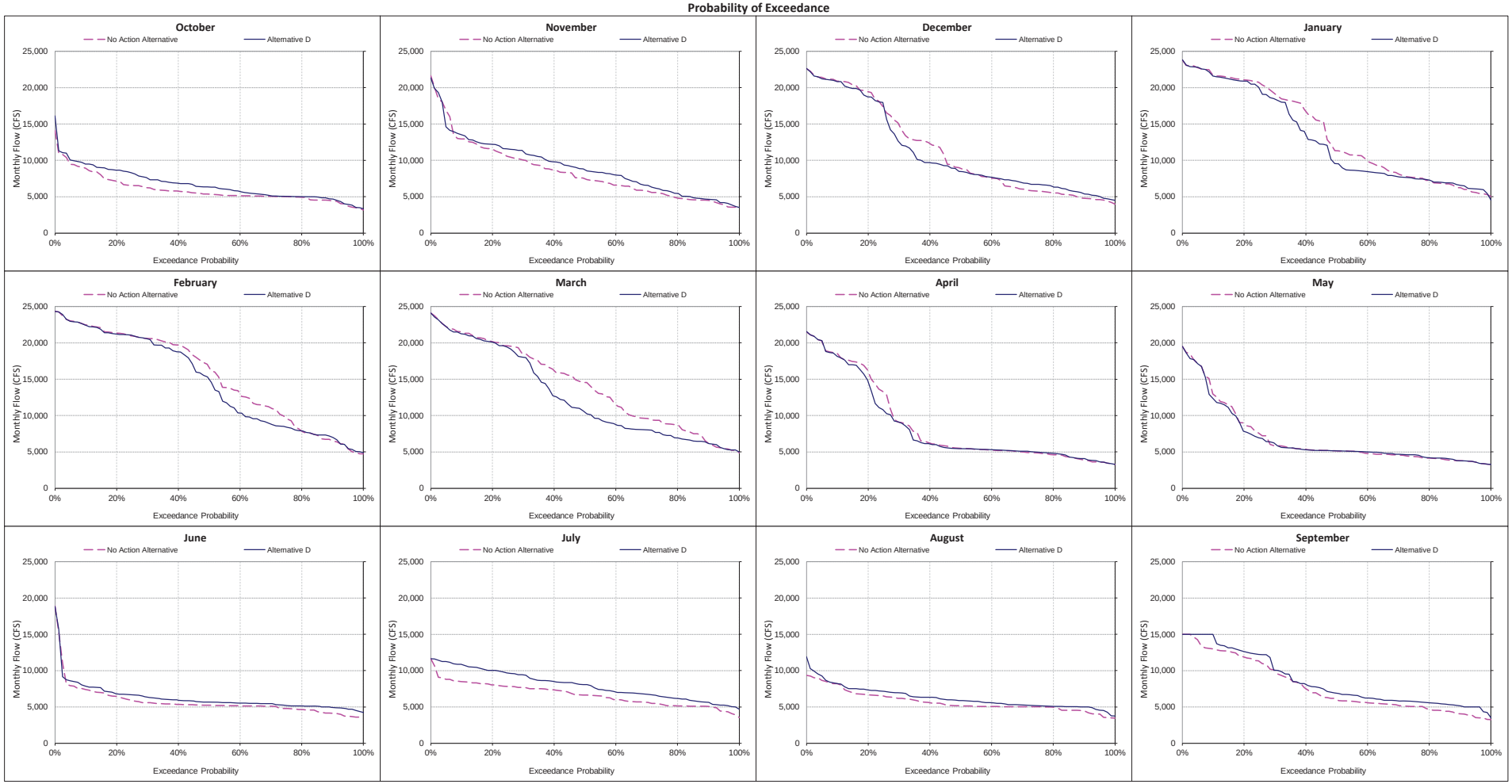

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,099	16,137	2,037	14.4%
1.2%	10,966	11,320	354	3.2%
2.5%	10,836	11,060	224	2.1%
3.7%	10,399	11,010	611	5.9%
4.9%	9,459	10,062	604	6.4%
6.2%	9,414	9,959	545	5.8%
7.4%	9,165	9,848	683	7.4%
8.6%	9,079	9,750	671	7.4%
9.9%	8,942	9,509	566	6.3%
11.1%	8,595	9,492	896	10.4%
12.3%	8,419	9,406	987	11.7%
13.6%	8,396	9,037	640	7.6%
14.8%	8,018	9,006	987	12.3%
16.0%	7,482	8,974	1,491	19.9%
17.3%	7,363	8,757	1,394	18.9%
18.5%	7,269	8,723	1,454	20.0%
19.8%	7,139	8,658	1,519	21.3%
21.0%	7,136	8,643	1,507	21.1%
22.2%	6,653	8,514	1,861	28.0%
23.5%	6,593	8,448	1,855	28.1%
24.7%	6,567	8,311	1,744	26.6%
25.9%	6,538	8,120	1,582	24.2%
27.2%	6,532	7,851	1,319	20.2%
28.4%	6,369	7,746	1,376	21.6%
29.6%	6,229	7,645	1,416	22.7%
30.9%	6,227	7,324	1,097	17.6%
32.1%	6,017	7,321	1,303	21.7%
33.3%	5,920	7,318	1,399	23.6%
34.6%	5,886	7,137	1,251	21.3%
35.8%	5,869	7,085	1,216	20.7%
37.0%	5,809	6,965	1,156	19.9%
38.3%	5,806	6,909	1,103	19.0%
39.5%	5,792	6,871	1,080	18.6%
40.7%	5,733	6,822	1,089	19.0%
42.0%	5,697	6,803	1,106	19.4%
43.2%	5,636	6,801	1,165	20.7%
44.4%	5,548	6,705	1,157	20.8%
45.7%	5,526	6,414	888	16.1%
46.9%	5,462	6,372	910	16.7%
48.1%	5,385	6,356	971	18.0%
49.4%	5,384	6,337	953	17.7%
50.6%	5,334	6,322	988	18.5%
51.9%	5,287	6,311	1,024	19.4%
53.1%	5,257	6,130	873	16.6%
54.3%	5,194	6,070	876	16.9%
55.6%	5,163	6,047	884	17.1%
56.8%	5,158	5,964	806	15.6%
58.0%	5,154	5,843	689	13.4%
59.3%	5,152	5,798	647	12.6%
60.5%	5,130	5,655	525	10.2%
61.7%	5,115	5,541	426	8.3%
63.0%	5,113	5,530	417	8.2%
64.2%	5,107	5,461	354	6.9%
65.4%	5,103	5,382	279	5.5%
66.7%	5,097	5,341	245	4.8%
67.9%	5,058	5,303	245	4.8%
69.1%	5,050	5,212	163	3.2%
70.4%	5,045	5,113	68	1.4%
71.6%	5,037	5,112	75	1.5%
72.8%	5,025	5,070	46	0.9%
74.1%	5,022	5,069	47	0.9%
75.3%	5,012	5,043	31	0.6%
76.5%	5,005	5,033	28	0.6%
77.8%	4,966	5,025	58	1.2%
79.0%	4,957	5,012	56	1.1%
80.2%	4,937	5,000	63	1.3%
81.5%	4,927	5,000	73	1.5%
82.7%	4,570	5,000	430	9.4%
84.0%	4,544	5,000	456	10.0%
85.2%	4,533	4,940	408	9.0%
86.4%	4,523	4,869	345	7.6%
87.7%	4,520	4,853	333	7.4%
88.9%	4,507	4,730	222	4.9%
90.1%	4,395	4,662	267	6.1%
91.4%	4,364	4,520	156	3.6%
92.6%	4,064	4,341	278	6.8%
93.8%	4,026	4,027	0	0.0%
95.1%	3,701	3,933	232	6.3%
96.3%	3,544	3,854	310	8.8%
97.5%	3,504	3,544	39	1.1%
98.8%	3,378	3,504	126	3.7%
100.0%	3,169	3,352	183	5.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,650	21,377	-273	-1.3%
1.2%	20,042	19,909	-132	-0.7%
2.5%	18,479	19,334	855	4.6%
3.7%	18,060	18,035	-25	-0.1%
4.9%	16,907	14,629	-2,278	-13.5%
6.2%	16,004	14,149	-1,855	-11.6%
7.4%	13,533	13,972	438	3.2%
8.6%	13,032	13,710	678	5.2%
9.9%	12,953	13,542	589	4.6%
11.1%	12,933	13,367	434	3.4%
12.3%	12,559	12,857	298	2.4%
13.6%	12,496	12,806	310	2.5%
14.8%	12,256	12,574	318	2.6%
16.0%	11,882	12,382	500	4.2%
17.3%	11,675	12,275	600	5.1%
18.5%	11,635	12,244	609	5.2%
19.8%	11,627	12,209	582	5.0%
21.0%	11,290	12,182	892	7.9%
22.2%	11,086	11,997	911	8.2%
23.5%	10,908	11,620	712	6.5%
24.7%	10,558	11,576	1,019	9.6%
25.9%	10,447	11,511	1,065	10.2%
27.2%	10,284	11,498	1,214	11.8%
28.4%	10,226	11,383	1,157	11.3%
29.6%	10,088	11,373	1,285	12.7%
30.9%	9,970	10,879	909	9.1%
32.1%	9,622	10,750	1,127	11.7%
33.3%	9,429	10,696	1,267	13.4%
34.6%	9,356	10,551	1,195	12.8%
35.8%	9,281	10,467	1,186	12.8%
37.0%	8,876	10,114	1,237	13.9%
38.3%	8,823	9,864	1,041	11.8%
39.5%	8,680	9,816	1,136	13.1%
40.7%	8,618	9,772	1,154	13.4%
42.0%	8,367	9,680	1,313	15.7%
43.2%	8,350	9,364	1,014	12.1%
44.4%	8,338	9,296	958	11.5%
45.7%	8,284	9,158	873	10.5%
46.9%	7,616	9,031	1,415	18.6%
48.1%	7,616	8,879	1,263	16.6%
49.4%	7,558	8,826	1,268	16.8%
50.6%	7,369	8,569	1,200	16.3%
51.9%	7,242	8,494	1,252	17.3%
53.1%	7,212	8,426	1,214	16.8%
54.3%	7,154	8,337	1,184	16.5%
55.6%	7,074	8,336	1,262	17.8%
56.8%	6,920	8,195	1,275	18.4%
58.0%	6,835	8,185	1,350	19.8%
59.3%	6,601	8,042	1,442	21.8%
60.5%	6,584	7,951	1,368	20.8%
61.7%	6,511	7,912	1,401	21.5%
63.0%	6,458	7,504	1,047	16.2%
64.2%	6,447	7,324	876	13.6%
65.4%	6,133	7,137	1,004	16.4%
66.7%	5,911	7,044	1,133	19.2%
67.9%	5,890	6,724	834	14.2%
69.1%	5,877	6,588	711	12.1%
70.4%	5,743	6,579	836	14.6%
71.6%	5,587	6,305	717	12.8%
72.8%	5,581	6,169	588	10.5%
74.1%	5,512	6,086	574	10.4%
75.3%	5,399	5,877	478	8.9%
76.5%	5,188	5,815	627	12.1%
77.8%	5,102	5,693	591	11.6%
79.0%	4,906	5,474	568	11.6%
80.2%	4,788	5,432	644	13.4%
81.5%	4,734	5,073	339	7.2%
82.7%	4,665	5,052	388	8.3%
84.0%	4,619	5,010	391	8.5%
85.2%	4,586	4,866	279	6.1%
86.4%	4,575	4,773	197	4.3%
87.7%	4,551	4,765	214	4.7%
88.9%	4,529	4,675	146	3.2%
90.1%	4,511	4,630	119	2.6%
91.4%	4,364	4,619	255	5.8%
92.6%	4,173	4,586	414	9.9%
93.8%	4,014	4,193	179	4.5%
95.1%	3,915	4,184	269	6.9%
96.3%	3,588	4,093	504	14.1%
97.5%	3,570	3,876	305	8.6%
98.8%	3,552	3,678	126	3.6%
100.0%	3,537	3,542	4	0.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,617	22,639	22	0.1%
1.2%	22,254	22,209	-45	-0.2%
2.5%	21,692	21,620	-72	-0.3%
3.7%	21,468	21,497	29	0.1%
4.9%	21,444	21,217	-227	-1.1%
6.2%	21,229	21,140	-89	-0.4%
7.4%	21,200	21,097	-103	-0.5%
8.6%	21,154	21,009	-145	-0.7%
9.9%	20,890	20,851	-39	-0.2%
11.1%	20,878	20,851	-27	-0.1%
12.3%	20,818	20,217	-602	-2.9%
13.6%	20,743	20,022	-720	-3.5%
14.8%	20,406	19,903	-503	-2.5%
16.0%	20,305	19,895	-409	-2.0%
17.3%	19,691	19,682	-9	0.0%
18.5%	19,602	19,002	-600	-3.1%
19.8%	19,458	18,732	-726	-3.7%
21.0%	19,330	18,717	-613	-3.2%
22.2%	18,426	18,222	-204	-1.1%
23.5%	18,156	18,058	-98	-0.5%
24.7%	17,466	17,959	493	2.8%
25.9%	16,533	15,628	-905	-5.5%
27.2%	16,196	14,211	-1,984	-12.3%
28.4%	15,551	13,643	-1,908	-12.3%
29.6%	15,193	12,674	-2,519	-16.6%
30.9%	14,165	12,079	-2,085	-14.7%
32.1%	13,413	11,970	-1,443	-10.8%
33.3%	12,995	11,705	-1,290	-9.9%
34.6%	12,850	11,092	-1,759	-13.7%
35.8%	12,755	10,120	-2,635	-20.7%
37.0%	12,736	10,031	-2,705	-21.2%
38.3%	12,660	9,707	-2,953	-23.3%
39.5%	12,449	9,700	-2,750	-22.1%
40.7%	12,123	9,650	-2,474	-20.4%
42.0%	12,021	9,616	-2,405	-20.0%
43.2%	11,784	9,447	-2,337	-19.8%
44.4%	10,893	9,272	-1,622	-14.9%
45.7%	9,459	9,235	-223	-2.4%
46.9%	9,420	8,949	-471	-5.0%
48.1%	9,056	8,885	-171	-1.9%
49.4%	9,004	8,483	-522	-5.8%
50.6%	8,792	8,442	-350	-4.0%
51.9%	8,762	8,356	-405	-4.6%
53.1%	8,247	8,166	-81	-1.0%
54.3%	8,131	8,061	-69	-0.9%
55.6%	8,107	8,025	-82	-1.0%
56.8%	7,777	7,946	169	2.2%
58.0%	7,741	7,795	55	0.7%
59.3%	7,552	7,713	161	2.1%
60.5%	7,522	7,642	120	1.6%
61.7%	7,487	7,550	63	0.8%
63.0%	7,226	7,472	246	3.4%
64.2%	6,494	7,337	843	13.0%
65.4%	6,413	7,337	924	14.4%
66.7%	6,363	7,217	853	13.4%
67.9%	6,239	7,159	921	14.8%
69.1%	6,070	7,021	951	15.7%
70.4%	6,023	6,888	865	14.4%
71.6%	5,894	6,850	956	16.2%
72.8%	5,826	6,719	893	15.3%
74.1%	5,803	6,716	913	15.7%
75.3%	5,746	6,690	944	16.4%
76.5%	5,738	6,623	885	15.4%
77.8%	5,663	6,604	942	16.6%
79.0%	5,567	6,536	969	17.4%
80.2%	5,523	6,311	788	14.3%
81.5%	5,512	6,302	790	14.3%
82.7%	5,346	6,161	815	15.2%
84.0%	5,311	6,064	752	14.2%
85.2%	5,269	5,880	611	11.6%
86.4%	5,206	5,758	553	10.6%
87.7%	5,003	5,697	693	13.9%
88.9%	4,821	5,585	764	15.8%
90.1%	4,796	5,384	588	12.3%
91.4%	4,749	5,331	581	12.2%
92.6%	4,697	5,208	511	10.9%
93.8%	4,616	5,177	562	12.2%
95.1%	4,593	5,032	438	9.5%
96.3%	4,539	4,775	236	5.2%
97.5%	4,388	4,700	312	7.1%
98.8%	4,221	4,602	381	9.0%
100.0%	3,981	4,506	524	13.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,795	23,822	27	0.1%
1.2%	23,070	23,093	23	0.1%
2.5%	23,019	22,912	-107	-0.5%
3.7%	22,987	22,861	-126	-0.5%
4.9%	22,751	22,827	76	0.3%
6.2%	22,593	22,599	6	0.0%
7.4%	22,507	22,498	-10	0.0%
8.6%	22,479	22,176	-303	-1.3%
9.9%	21,738	21,617	-121	-0.6%
11.1%	21,620	21,515	-105	-0.5%
12.3%	21,608	21,464	-145	-0.7%
13.6%	21,536	21,312	-224	-1.0%
14.8%	21,427	21,226	-201	-0.9%
16.0%	21,345	21,146	-199	-0.9%
17.3%	21,234	21,022	-212	-1.0%
18.5%	21,172	20,928	-244	-1.2%
19.8%	21,072	20,921	-150	-0.7%
21.0%	21,054	20,906	-148	-0.7%
22.2%	20,989	20,499	-490	-2.3%
23.5%	20,834	20,497	-337	-1.6%
24.7%	20,754	20,085	-669	-3.2%
25.9%	20,384	19,098	-1,286	-6.3%
27.2%	20,117	19,058	-1,059	-5.3%
28.4%	19,677	18,624	-1,053	-5.4%
29.6%	19,262	18,490	-772	-4.0%
30.9%	18,844	18,260	-585	-3.1%
32.1%	18,464	18,015	-448	-2.4%
33.3%	18,346	17,976	-370	-2.0%
34.6%	18,219	16,374	-1,845	-10.1%
35.8%	18,164	15,543	-2,621	-14.4%
37.0%	18,003	15,294	-2,709	-15.0%
38.3%	17,856	14,136	-3,720	-20.8%
39.5%	16,980	14,014	-2,966	-17.5%
40.7%	16,316	12,884	-3,432	-21.0%
42.0%	16,138	12,823	-3,315	-20.5%
43.2%	15,553	12,657	-2,896	-18.6%
44.4%	15,429	12,263	-3,166	-20.5%
45.7%	15,396	12,212	-3,184	-20.7%
46.9%	12,859	12,081	-778	-6.1%
48.1%	12,197	10,169	-2,028	-16.6%
49.4%	11,335	9,581	-1,753	-15.5%
50.6%	11,313	9,523	-1,791	-15.8%
51.9%	11,211	8,957	-2,254	-20.1%
53.1%	11,002	8,683	-2,319	-21.1%
54.3%	10,761	8,664	-2,097	-19.5%
55.6%	10,745	8,644	-2,100	-19.5%
56.8%	10,687	8,622	-2,065	-19.3%
58.0%	10,628	8,523	-2,105	-19.8%
59.3%	10,212	8,477	-1,736	-17.0%
60.5%	9,771	8,437	-1,334	-13.7%
61.7%	9,569	8,348	-1,221	-12.8%
63.0%	9,300	8,305	-996	-10.7%
64.2%	9,236	8,263	-973	-10.5%
65.4%	8,955	8,191	-764	-8.5%
66.7%	8,588	7,925	-663	-7.7%
67.9%	8,424	7,916	-508	-6.0%
69.1%	8,350	7,807	-544	-6.5%
70.4%	8,056	7,704	-352	-4.4%
71.6%	7,892	7,677	-215	-2.7%
72.8%	7,730	7,637	-93	-1.2%
74.1%	7,675	7,596	-78	-1.0%
75.3%	7,648	7,467	-181	-2.4%
76.5%	7,565	7,440	-125	-1.7%
77.8%	7,538	7,423	-115	-1.5%
79.0%	7,274	7,362	89	1.2%
80.2%	7,264	7,268	4	0.1%
81.5%	6,907	7,028	120	1.7%
82.7%	6,863	7,019	156	2.3%
84.0%	6,852	6,991	140	2.0%
85.2%	6,783	6,924	141	2.1%
86.4%	6,765	6,897	132	1.9%
87.7%	6,583	6,869	286	4.3%
88.9%	6,248	6,658	410	6.6%
90.1%	6,237	6,557	319	5.1%
91.4%	6,016	6,503	487	8.1%
92.6%	6,008	6,142	134	2.2%
93.8%	5,639	6,102	463	8.2%
95.1%	5,568	6,057	489	8.8%
96.3%	5,458	6,022	564	10.3%
97.5%	5,419	5,979	560	10.3%
98.8%	5,295	5,446	152	2.9%
100.0%	5,029	4,542	-487	-9.7%

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,355	24,328	-27	-0.1%
1.2%	24,267	24,265	-2	0.0%
2.5%	23,722	23,895	173	0.7%
3.7%	23,248	23,253	4	0.0%
4.9%	23,019	22,966	-53	-0.2%
6.2%	22,972	22,885	-87	-0.4%
7.4%	22,868	22,875	7	0.0%
8.6%	22,677	22,640	-36	-0.2%
9.9%	22,478	22,455	-24	-0.1%
11.1%	22,455	22,221	-234	-1.0%
12.3%	22,274	22,212	-62	-0.3%
13.6%	22,200	22,126	-74	-0.3%
14.8%	22,087	21,896	-191	-0.9%
16.0%	21,522	21,405	-117	-0.5%
17.3%	21,504	21,381	-124	-0.6%
18.5%	21,423	21,287	-136	-0.6%
19.8%	21,367	21,211	-156	-0.7%
21.0%	21,318	21,168	-150	-0.7%
22.2%	21,238	21,136	-101	-0.5%
23.5%	21,123	21,100	-23	-0.1%
24.7%	20,980	21,073	93	0.4%
25.9%	20,904	20,917	13	0.1%
27.2%	20,771	20,783	12	0.1%
28.4%	20,649	20,683	34	0.2%
29.6%	20,624	20,592	-32	-0.2%
30.9%	20,600	20,461	-139	-0.7%
32.1%	20,580	19,711	-868	-4.2%
33.3%	20,442	19,697	-744	-3.6%
34.6%	20,263	19,671	-592	-2.9%
35.8%	20,141	19,302	-839	-4.2%
37.0%	20,091	19,295	-796	-4.0%
38.3%	19,742	18,922	-820	-4.2%
39.5%	19,719	18,786	-932	-4.7%
40.7%	19,692	18,744	-948	-4.8%
42.0%	19,353	18,347	-1,006	-5.2%
43.2%	19,047	17,927	-1,120	-5.9%
44.4%	18,395	17,120	-1,275	-6.9%
45.7%	18,052	15,980	-2,072	-11.5%
46.9%	17,673	15,876	-1,797	-10.2%
48.1%	17,315	15,525	-1,790	-10.3%
49.4%	17,047	15,325	-1,722	-10.1%
50.6%	16,177	14,582	-1,595	-9.9%
51.9%	15,967	13,516	-2,450	-15.3%
53.1%	15,324	13,304	-2,020	-13.2%
54.3%	13,886	11,988	-1,898	-13.7%
55.6%	13,866	11,749	-2,117	-15.3%
56.8%	13,752	11,270	-2,483	-18.1%
58.0%	13,493	11,071	-2,422	-17.9%
59.3%	13,429	10,365	-3,064	-22.8%
60.5%	12,628	10,327	-2,301	-18.2%
61.7%	12,554	9,845	-2,709	-21.6%
63.0%	12,370	9,819	-2,551	-20.6%
64.2%	11,680	9,574	-2,106	-18.0%
65.4%	11,503	9,560	-1,943	-16.9%
66.7%	11,489	9,293	-2,196	-19.1%
67.9%	11,325	9,164	-2,161	-19.1%
69.1%	11,230	8,986	-2,244	-20.0%
70.4%	10,961	8,773	-2,189	-20.0%
71.6%	10,804	8,592	-2,212	-20.5%
72.8%	10,180	8,546	-1,634	-16.1%
74.1%	9,955	8,521	-1,433	-14.4%
75.3%	9,524	8,387	-1,136	-11.9%
76.5%	9,280	8,280	-999	-10.8%
77.8%	8,431	8,036	-395	-4.7%
79.0%	8,152	7,918	-234	-2.9%
80.2%	7,791	7,904	112	1.4%
81.5%	7,574	7,688	114	1.5%
82.7%	7,572	7,623	51	0.7%
84.0%	7,432	7,395	-37	-0.5%
85.2%	7,267	7,346	79	1.1%
86.4%	6,792	7,326	533	7.9%
87.7%	6,730	7,313	584	8.7%
88.9%	6,715	7,182	467	7.0%
90.1%	6,479	6,975	496	7.7%
91.4%	6,387	6,653	266	4.2%
92.6%	6,098	6,079	-19	-0.3%
93.8%	6,062	6,027	-35	-0.6%
95.1%	5,422	5,433	11	0.2%
96.3%	5,025	5,335	310	6.2%
97.5%	4,934	5,054	120	2.4%
98.8%	4,760	5,044	284	6.0%
100.0%	4,735	4,897	162	3.4%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,114	24,121	8	0.0%
1.2%	23,715	23,544	-171	-0.7%
2.5%	23,222	23,168	-55	-0.2%
3.7%	22,672	22,664	-7	0.0%
4.9%	22,243	22,254	11	0.1%
6.2%	21,973	21,767	-206	-0.9%
7.4%	21,871	21,513	-357	-1.6%
8.6%	21,557	21,507	-50	-0.2%
9.9%	21,542	21,245	-298	-1.4%
11.1%	21,326	21,203	-123	-0.6%
12.3%	21,317	20,969	-348	-1.6%
13.6%	21,018	20,950	-69	-0.3%
14.8%	20,719	20,607	-111	-0.5%
16.0%	20,694	20,482	-212	-1.0%
17.3%	20,595	20,271	-324	-1.6%
18.5%	20,281	20,223	-57	-0.3%
19.8%	20,214	20,125	-90	-0.4%
21.0%	20,063	19,976	-87	-0.4%
22.2%	20,026	19,620	-406	-2.0%
23.5%	19,620	19,618	-3	0.0%
24.7%	19,605	19,457	-148	-0.8%
25.9%	19,539	19,147	-392	-2.0%
27.2%	19,455	18,692	-763	-3.9%
28.4%	19,348	18,134	-1,214	-6.3%
29.6%	18,513	18,050	-463	-2.5%
30.9%	18,486	17,968	-517	-2.8%
32.1%	18,028	17,220	-808	-4.5%
33.3%	17,795	15,889	-1,905	-10.7%
34.6%	17,667	15,404	-2,264	-12.8%
35.8%	17,076	14,585	-2,491	-14.6%
37.0%	17,021	14,403	-2,618	-15.4%
38.3%	16,653	13,677	-2,976	-17.9%
39.5%	16,398	12,742	-3,657	-22.3%
40.7%	15,882	12,552	-3,330	-21.0%
42.0%	15,869	12,200	-3,670	-23.1%
43.2%	15,812	12,112	-3,700	-23.4%
44.4%	15,547	11,577	-3,970	-25.5%
45.7%	15,538	11,137	-4,401	-28.3%
46.9%	14,946	11,082	-3,865	-25.9%
48.1%	14,731	10,986	-3,745	-25.4%
49.4%	14,553	10,632	-3,920	-26.9%
50.6%	14,542	10,222	-4,320	-29.7%
51.9%	13,982	10,123	-3,860	-27.6%
53.1%	13,479	9,620	-3,859	-28.6%
54.3%	13,057	9,608	-3,450	-26.4%
55.6%	12,991	9,289	-3,702	-28.5%
56.8%	12,579	9,120	-3,460	-27.5%
58.0%	12,513	8,990	-3,523	-28.2%
59.3%	11,813	8,898	-2,915	-24.7%
60.5%	11,306	8,667	-2,640	-23.3%
61.7%	11,129	8,639	-2,490	-22.4%
63.0%	10,462	8,237	-2,226	-21.3%
64.2%	10,130	8,206	-1,925	-19.0%
65.4%	9,959	8,148	-1,811	-18.2%
66.7%	9,830	8,094	-1,735	-17.7%
67.9%	9,665	8,052	-1,613	-16.7%
69.1%	9,613	8,047	-1,566	-16.3%
70.4%	9,582	8,031	-1,551	-16.2%
71.6%	9,391	7,983	-1,409	-15.0%
72.8%	9,358	7,685	-1,673	-17.9%
74.1%	9,358	7,667	-1,690	-18.1%
75.3%	8,902	7,348	-1,554	-17.5%
76.5%	8,846	7,258	-1,588	-18.0%
77.8%	8,838	7,255	-1,583	-17.9%
79.0%	8,768	6,932	-1,836	-20.9%
80.2%	8,684	6,918	-1,767	-20.3%
81.5%	8,044	6,786	-1,258	-15.6%
82.7%	7,888	6,716	-1,172	-14.9%
84.0%	7,729	6,621	-1,108	-14.3%
85.2%	7,507	6,507	-1,000	-13.3%
86.4%	7,499	6,453	-1,046	-13.9%
87.7%	7,278	6,443	-834	-11.5%
88.9%	6,573	6,390	-183	-2.8%
90.1%	6,128	6,136	8	0.1%
91.4%	5,946	6,083	136	2.3%
92.6%	5,636	5,993	357	6.3%
93.8%	5,576	5,620	44	0.8%
95.1%	5,439	5,458	19	0.4%
96.3%	5,408	5,305	-103	-1.9%
97.5%	5,241	5,287	46	0.9%
98.8%	5,234	5,264	30	0.6%
100.0%	4,883	5,000	117	2.4%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,507	21,587	81	0.4%
1.2%	21,096	21,102	7	0.0%
2.5%	20,914	20,923	9	0.0%
3.7%	20,459	20,458	-1	0.0%
4.9%	20,290	20,300	10	0.1%
6.2%	18,928	18,796	-132	-0.7%
7.4%	18,785	18,664	-121	-0.6%
8.6%	18,671	18,590	-82	-0.4%
9.9%	18,588	18,161	-426	-2.3%
11.1%	17,944	17,956	12	0.1%
12.3%	17,703	17,629	-74	-0.4%
13.6%	17,629	17,002	-627	-3.6%
14.8%	17,454	16,983	-471	-2.7%
16.0%	17,392	16,940	-452	-2.6%
17.3%	17,206	16,318	-888	-5.2%
18.5%	16,912	15,689	-1,223	-7.2%
19.8%	16,281	14,857	-1,424	-8.7%
21.0%	15,000	13,335	-1,665	-11.1%
22.2%	14,374	11,651	-2,722	-18.9%
23.5%	13,642	11,116	-2,526	-18.5%
24.7%	13,328	10,833	-2,495	-18.7%
25.9%	12,902	10,278	-2,624	-20.3%
27.2%	10,968	10,138	-829	-7.6%
28.4%	9,520	9,241	-279	-2.9%
29.6%	9,122	9,130	7	0.1%
30.9%	9,038	8,945	-94	-1.0%
32.1%	8,835	8,555	-280	-3.2%
33.3%	8,573	8,080	-493	-5.8%
34.6%	7,855	6,641	-1,214	-15.5%
35.8%	7,736	6,539	-1,197	-15.5%
37.0%	6,519	6,271	-248	-3.8%
38.3%	6,472	6,151	-320	-4.9%
39.5%	6,271	6,128	-143	-2.3%
40.7%	6,087	6,006	-81	-1.3%
42.0%	6,084	5,987	-98	-1.6%
43.2%	5,921	5,770	-151	-2.6%
44.4%	5,866	5,623	-243	-4.1%
45.7%	5,784	5,545	-239	-4.1%
46.9%	5,618	5,490	-129	-2.3%
48.1%	5,545	5,482	-63	-1.1%
49.4%	5,504	5,459	-46	-0.8%
50.6%	5,482	5,456	-26	-0.5%
51.9%	5,459	5,439	-19	-0.4%
53.1%	5,439	5,427	-12	-0.2%
54.3%	5,368	5,424	57	1.1%
55.6%	5,340	5,368	28	0.5%
56.8%	5,333	5,351	17	0.3%
58.0%	5,308	5,340	31	0.6%
59.3%	5,276	5,308	32	0.6%
60.5%	5,232	5,297	65	1.3%
61.7%	5,213	5,283	69	1.3%
63.0%	5,195	5,276	81	1.6%
64.2%	5,161	5,195	34	0.7%
65.4%	5,146	5,189	42	0.8%
66.7%	5,144	5,146	2	0.0%
67.9%	5,039	5,134	95	1.9%
69.1%	5,027	5,109	82	1.6%
70.4%	4,977	5,096	118	2.4%
71.6%	4,927	5,094	166	3.4%
72.8%	4,920	5,039	119	2.4%
74.1%	4,896	5,000	104	2.1%
75.3%	4,851	4,947	97	2.0%
76.5%	4,783	4,907	124	2.6%
77.8%	4,744	4,896	152	3.2%
79.0%	4,625	4,831	206	4.5%
80.2%	4,614	4,804	190	4.1%
81.5%	4,609	4,744	135	2.9%
82.7%	4,582	4,671	89	1.9%
84.0%	4,358	4,582	224	5.1%
85.2%	4,300	4,300	0	0.0%
86.4%	4,220	4,220	0	0.0%
87.7%	4,085	4,134	49	1.2%
88.9%	3,972	4,086	113	2.9%
90.1%	3,856	4,085	229	5.9%
91.4%	3,792	3,879	86	2.3%
92.6%	3,635	3,856	221	6.1%
93.8%	3,629	3,792	164	4.5%
95.1%	3,586	3,635	49	1.4%
96.3%	3,581	3,581	0	0.0%
97.5%	3,462	3,462	0	0.0%
98.8%	3,394	3,394	0	0.0%
100.0%	3,285	3,285	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,519	19,528	9	0.0%
1.2%	18,691	18,615	-76	-0.4%
2.5%	18,499	17,852	-647	-3.5%
3.7%	17,681	17,693	12	0.1%
4.9%	17,158	17,135	-23	-0.1%
6.2%	16,778	16,753	-26	-0.2%
7.4%	15,419	15,300	-118	-0.8%
8.6%	15,095	12,912	-2,183	-14.5%
9.9%	12,977	12,343	-633	-4.9%
11.1%	12,550	11,789	-761	-6.1%
12.3%	11,943	11,689	-254	-2.1%
13.6%	11,782	11,471	-310	-2.6%
14.8%	11,467	11,118	-348	-3.0%
16.0%	11,219	10,286	-933	-8.3%
17.3%	10,271	9,948	-322	-3.1%
18.5%	9,048	9,044	-3	0.0%
19.8%	8,998	7,842	-1,157	-12.9%
21.0%	8,575	7,669	-906	-10.6%
22.2%	8,474	7,430	-1,043	-12.3%
23.5%	7,901	7,145	-756	-9.6%
24.7%	7,593	6,956	-637	-8.4%
25.9%	7,237	6,858	-379	-5.2%
27.2%	7,211	6,439	-771	-10.7%
28.4%	6,049	6,401	352	5.8%
29.6%	5,875	6,234	359	6.1%
30.9%	5,857	5,839	-19	-0.3%
32.1%	5,829	5,626	-203	-3.5%
33.3%	5,723	5,593	-129	-2.3%
34.6%	5,551	5,564	13	0.2%
35.8%	5,510	5,538	27	0.5%
37.0%	5,453	5,462	10	0.2%
38.3%	5,432	5,385	-47	-0.9%
39.5%	5,385	5,315	-70	-1.3%
40.7%	5,315	5,254	-61	-1.1%
42.0%	5,254	5,228	-26	-0.5%
43.2%	5,228	5,215	-13	-0.3%
44.4%	5,215	5,206	-9	-0.2%
45.7%	5,196	5,196	0	0.0%
46.9%	5,186	5,186	0	0.0%
48.1%	5,171	5,171	-1	0.0%
49.4%	5,171	5,165	-6	-0.1%
50.6%	5,130	5,130	0	0.0%
51.9%	5,129	5,129	0	0.0%
53.1%	5,113	5,108	-6	-0.1%
54.3%	5,108	5,099	-8	-0.2%
55.6%	5,090	5,090	0	0.0%
56.8%	4,956	5,077	120	2.4%
58.0%	4,941	5,050	109	2.2%
59.3%	4,799	5,000	201	4.2%
60.5%	4,772	5,000	228	4.8%
61.7%	4,733	4,956	224	4.7%
63.0%	4,676	4,941	266	5.7%
64.2%	4,667	4,921	254	5.4%
65.4%	4,665	4,811	146	3.1%
66.7%	4,657	4,799	141	3.0%
67.9%	4,601	4,772	171	3.7%
69.1%	4,593	4,676	83	1.8%
70.4%	4,577	4,667	90	2.0%
71.6%	4,550	4,634	84	1.8%
72.8%	4,421	4,611	190	4.3%
74.1%	4,382	4,601	219	5.0%
75.3%	4,362	4,593	231	5.3%
76.5%	4,324	4,524	200	4.6%
77.8%	4,168	4,324	156	3.8%
79.0%	4,163	4,207	44	1.1%
80.2%	4,145	4,175	30	0.7%
81.5%	4,111	4,168	57	1.4%
82.7%	4,070	4,157	88	2.2%
84.0%	4,059	4,145	86	2.1%
85.2%	3,937	4,114	178	4.5%
86.4%	3,857	4,059	202	5.2%
87.7%	3,850	3,976	126	3.3%
88.9%	3,792	3,792	0	0.0%
90.1%	3,790	3,778	-12	-0.3%
91.4%	3,778	3,764	-14	-0.4%
92.6%	3,733	3,752	19	0.5%
93.8%	3,707	3,701	-6	-0.2%
95.1%	3,583	3,583	0	0.0%
96.3%	3,409	3,409	0	0.0%
97.5%	3,377	3,377	0	0.0%
98.8%	3,319	3,319	0	0.0%
100.0%	3,272	3,272	0	0.0%

Table SW-15-9b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,883	18,845	-37	-0.2%
1.2%	15,258	15,685	427	2.8%
2.5%	11,055	9,174	-1,882	-17.0%
3.7%	8,139	8,747	608	7.5%
4.9%	7,942	8,597	656	8.3%
6.2%	7,852	8,508	656	8.4%
7.4%	7,553	8,402	849	11.2%
8.6%	7,551	8,029	478	6.3%
9.9%	7,416	7,869	453	6.1%
11.1%	7,298	7,730	431	5.9%
12.3%	7,129	7,714	586	8.2%
13.6%	7,032	7,691	659	9.4%
14.8%	6,998	7,670	672	9.6%
16.0%	6,922	7,176	254	3.7%
17.3%	6,598	7,081	483	7.3%
18.5%	6,498	7,044	546	8.4%
19.8%	6,458	6,833	375	5.8%
21.0%	6,321	6,739	419	6.6%
22.2%	6,176	6,733	557	9.0%
23.5%	6,041	6,710	669	11.1%
24.7%	5,934	6,663	728	12.3%
25.9%	5,793	6,643	850	14.7%
27.2%	5,717	6,619	901	15.8%
28.4%	5,585	6,521	936	16.8%
29.6%	5,580	6,356	777	13.9%
30.9%	5,577	6,300	724	13.0%
32.1%	5,502	6,220	718	13.1%
33.3%	5,448	6,177	728	13.4%
34.6%	5,441	6,088	647	11.9%
35.8%	5,427	6,044	617	11.4%
37.0%	5,424	5,999	575	10.6%
38.3%	5,409	5,992	583	10.8%
39.5%	5,342	5,969	627	11.7%
40.7%	5,332	5,885	553	10.4%
42.0%	5,316	5,861	545	10.3%
43.2%	5,307	5,836	530	10.0%
44.4%	5,302	5,823	521	9.8%
45.7%	5,268	5,731	463	8.8%
46.9%	5,265	5,689	423	8.0%
48.1%	5,247	5,679	432	8.2%
49.4%	5,236	5,669	433	8.3%
50.6%	5,235	5,661	426	8.1%
51.9%	5,214	5,653	439	8.4%
53.1%	5,206	5,615	409	7.9%
54.3%	5,204	5,600	396	7.6%
55.6%	5,196	5,593	397	7.6%
56.8%	5,173	5,587	414	8.0%
58.0%	5,159	5,562	403	7.8%
59.3%	5,155	5,530	374	7.3%
60.5%	5,145	5,529	384	7.5%
61.7%	5,144	5,525	381	7.4%
63.0%	5,132	5,500	368	7.2%
64.2%	5,131	5,500	369	7.2%
65.4%	5,128	5,477	349	6.8%
66.7%	5,124	5,467	343	6.7%
67.9%	5,110	5,455	345	6.7%
69.1%	5,098	5,452	354	6.9%
70.4%	5,092	5,441	349	6.8%
71.6%	5,066	5,333	267	5.3%
72.8%	4,793	5,278	485	10.1%
74.1%	4,782	5,235	453	9.5%
75.3%	4,777	5,173	395	8.3%
76.5%	4,751	5,155	404	8.5%
77.8%	4,703	5,144	441	9.4%
79.0%	4,657	5,132	475	10.2%
80.2%	4,632	5,128	495	10.7%
81.5%	4,591	5,118	527	11.5%
82.7%	4,584	5,110	526	11.5%
84.0%	4,582	5,107	525	11.5%
85.2%	4,347	5,091	745	17.1%
86.4%	4,245	5,000	755	17.8%
87.7%	4,168	5,000	832	20.0%
88.9%	4,141	5,000	859	20.7%
90.1%	4,126	4,900	774	18.8%
91.4%	4,085	4,882	797	19.5%
92.6%	3,996	4,863	867	21.7%
93.8%	3,752	4,793	1,041	27.8%
95.1%	3,738	4,676	938	25.1%
96.3%	3,661	4,676	1,015	27.7%
97.5%	3,598	4,515	917	25.5%
98.8%	3,585	4,374	789	22.0%
100.0%	3,524	4,237	713	20.2%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,651	11,650	-1	0.0%
1.2%	10,665	11,620	955	9.0%
2.5%	9,065	11,419	2,354	26.0%
3.7%	8,998	11,272	2,274	25.3%
4.9%	8,814	11,241	2,427	27.5%
6.2%	8,794	11,151	2,357	26.8%
7.4%	8,593	10,954	2,361	27.5%
8.6%	8,544	10,866	2,322	27.2%
9.9%	8,502	10,860	2,358	27.7%
11.1%	8,462	10,683	2,221	26.2%
12.3%	8,410	10,509	2,099	25.0%
13.6%	8,317	10,481	2,164	26.0%
14.8%	8,304	10,444	2,140	25.8%
16.0%	8,218	10,318	2,100	25.6%
17.3%	8,192	10,178	1,986	24.2%
18.5%	8,177	10,037	1,860	22.7%
19.8%	8,035	10,034	1,999	24.9%
21.0%	8,021	10,031	2,010	25.1%
22.2%	7,938	9,939	2,000	25.2%
23.5%	7,866	9,821	1,954	24.8%
24.7%	7,837	9,683	1,846	23.6%
25.9%	7,833	9,628	1,795	22.9%
27.2%	7,774	9,595	1,821	23.4%
28.4%	7,683	9,446	1,763	22.9%
29.6%	7,681	9,441	1,760	22.9%
30.9%	7,661	9,375	1,714	22.4%
32.1%	7,521	8,952	1,431	19.0%
33.3%	7,520	8,817	1,297	17.2%
34.6%	7,498	8,683	1,184	15.8%
35.8%	7,494	8,641	1,147	15.3%
37.0%	7,477	8,621	1,143	15.3%
38.3%	7,365	8,592	1,226	16.7%
39.5%	7,362	8,534	1,172	15.9%
40.7%	7,313	8,421	1,108	15.1%
42.0%	7,241	8,406	1,165	16.1%
43.2%	7,205	8,362	1,156	16.0%
44.4%	7,045	8,355	1,310	18.6%
45.7%	6,831	8,350	1,519	22.2%
46.9%	6,678	8,215	1,538	23.0%
48.1%	6,661	8,105	1,444	21.7%
49.4%	6,629	8,089	1,460	22.0%
50.6%	6,624	8,060	1,435	21.7%
51.9%	6,592	7,929	1,337	20.3%
53.1%	6,582	7,621	1,039	15.8%
54.3%	6,530	7,405	875	13.4%
55.6%	6,483	7,374	891	13.7%
56.8%	6,278	7,262	984	15.7%
58.0%	6,268	7,255	987	15.8%
59.3%	6,017	7,146	1,130	18.8%
60.5%	6,015	7,006	991	16.5%
61.7%	5,970	6,986	1,015	17.0%
63.0%	5,820	6,956	1,136	19.5%
64.2%	5,758	6,947	1,189	20.6%
65.4%	5,720	6,897	1,178	20.6%
66.7%	5,695	6,882	1,187	20.8%
67.9%	5,681	6,857	1,177	20.7%
69.1%	5,669	6,785	1,115	19.7%
70.4%	5,632	6,728	1,096	19.5%
71.6%	5,483	6,662	1,179	21.5%
72.8%	5,471	6,594	1,122	20.5%
74.1%	5,426	6,481	1,054	19.4%
75.3%	5,318	6,413	1,094	20.6%
76.5%	5,177	6,325	1,148	22.2%
77.8%	5,172	6,263	1,091	21.1%
79.0%	5,172	6,177	1,005	19.4%
80.2%	5,142	6,162	1,020	19.8%
81.5%	5,129	6,089	960	18.7%
82.7%	5,129	6,088	959	18.7%
84.0%	5,111	5,908	797	15.6%
85.2%	5,107	5,827	720	14.1%
86.4%	5,104	5,755	650	12.7%
87.7%	5,102	5,693	591	11.6%
88.9%	5,089	5,649	560	11.0%
90.1%	5,080	5,629	549	10.8%
91.4%	4,969	5,353	384	7.7%
92.6%	4,904	5,319	414	8.4%
93.8%	4,442	5,248	806	18.2%
95.1%	4,408	5,238	830	18.8%
96.3%	4,326	5,180	854	19.7%
97.5%	4,096	5,050	954	23.3%
98.8%	3,917	5,000	1,083	27.7%
100.0%	3,541	4,692	1,151	32.5%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,343	11,904	2,560	27.4%
1.2%	9,246	10,287	1,041	11.3%
2.5%	9,013	9,917	904	10.0%
3.7%	8,999	9,550	550	6.1%
4.9%	8,660	9,259	599	6.9%
6.2%	8,540	8,667	127	1.5%
7.4%	8,349	8,420	71	0.9%
8.6%	8,220	8,304	84	1.0%
9.9%	8,206	8,215	9	0.1%
11.1%	8,033	8,144	111	1.4%
12.3%	7,373	7,769	396	5.4%
13.6%	7,162	7,532	370	5.2%
14.8%	6,977	7,526	548	7.9%
16.0%	6,820	7,513	693	10.2%
17.3%	6,776	7,456	680	10.0%
18.5%	6,739	7,434	696	10.3%
19.8%	6,667	7,351	684	10.3%
21.0%	6,631	7,273	642	9.7%
22.2%	6,610	7,259	649	9.8%
23.5%	6,555	7,197	642	9.8%
24.7%	6,527	7,179	652	10.0%
25.9%	6,383	7,102	718	11.3%
27.2%	6,342	7,007	665	10.5%
28.4%	6,307	6,983	675	10.7%
29.6%	6,196	6,957	761	12.3%
30.9%	6,181	6,925	744	12.0%
32.1%	6,118	6,850	733	12.0%
33.3%	6,094	6,521	426	7.0%
34.6%	5,980	6,406	426	7.1%
35.8%	5,868	6,373	504	8.6%
37.0%	5,685	6,338	653	11.5%
38.3%	5,662	6,335	673	11.9%
39.5%	5,616	6,325	709	12.6%
40.7%	5,534	6,314	780	14.1%
42.0%	5,516	6,301	785	14.2%
43.2%	5,503	6,136	633	11.5%
44.4%	5,374	6,048	674	12.5%
45.7%	5,219	5,987	768	14.7%
46.9%	5,217	5,980	762	14.6%
48.1%	5,186	5,953	767	14.8%
49.4%	5,171	5,883	712	13.8%
50.6%	5,130	5,882	751	14.6%
51.9%	5,122	5,855	733	14.3%
53.1%	5,122	5,798	676	13.2%
54.3%	5,087	5,762	675	13.3%
55.6%	5,070	5,757	687	13.5%
56.8%	5,066	5,649	583	11.5%
58.0%	5,062	5,602	540	10.7%
59.3%	5,061	5,600	539	10.7%
60.5%	5,055	5,568	514	10.2%
61.7%	5,053	5,509	456	9.0%
63.0%	5,030	5,480	450	9.0%
64.2%	5,029	5,424	395	7.8%
65.4%	5,029	5,332	303	6.0%
66.7%	5,029	5,328	299	5.9%
67.9%	5,024	5,305	280	5.6%
69.1%	5,023	5,294	272	5.4%
70.4%	5,019	5,258	239	4.8%
71.6%	5,018	5,247	229	4.6%
72.8%	5,016	5,229	213	4.3%
74.1%	5,012	5,210	197	3.9%
75.3%	5,012	5,151	139	2.8%
76.5%	5,011	5,132	121	2.4%
77.8%	5,010	5,120	110	2.2%
79.0%	4,994	5,089	95	1.9%
80.2%	4,951	5,087	136	2.7%
81.5%	4,837	5,068	231	4.8%
82.7%	4,555	5,066	511	11.2%
84.0%	4,546	5,048	502	11.0%
85.2%	4,533	5,044	511	11.3%
86.4%	4,532	5,035	503	11.1%
87.7%	4,530	5,029	499	11.0%
88.9%	4,510	5,016	506	11.2%
90.1%	4,441	5,011	570	12.8%
91.4%	4,182	5,000	818	19.6%
92.6%	4,038	4,896	857	21.2%
93.8%	4,013	4,664	651	16.2%
95.1%	4,009	4,533	524	13.1%
96.3%	3,563	4,508	945	26.5%
97.5%	3,517	4,261	743	21.1%
98.8%	3,505	3,781	276	7.9%
100.0%	3,461	3,742	282	8.1%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	15,000	0	0.0%
3.7%	14,634	15,000	366	2.5%
4.9%	14,255	15,000	745	5.2%
6.2%	13,378	15,000	1,622	12.1%
7.4%	13,133	15,000	1,867	14.2%
8.6%	13,068	15,000	1,932	14.8%
9.9%	12,990	15,000	2,010	15.5%
11.1%	12,848	13,698	850	6.6%
12.3%	12,746	13,483	737	5.8%
13.6%	12,730	13,419	689	5.4%
14.8%	12,706	13,156	449	3.5%
16.0%	12,542	13,125	582	4.6%
17.3%	12,453	12,969	516	4.1%
18.5%	11,980	12,840	860	7.2%
19.8%	11,924	12,607	683	5.7%
21.0%	11,720	12,514	793	6.8%
22.2%	11,664	12,394	730	6.3%
23.5%	11,385	12,298	913	8.0%
24.7%	11,348	12,244	896	7.9%
25.9%	10,955	12,201	1,246	11.4%
27.2%	10,859	12,198	1,339	12.3%
28.4%	10,213	11,811	1,598	15.6%
29.6%	10,080	10,054	-27	-0.3%
30.9%	9,532	10,050	517	5.4%
32.1%	9,329	9,862	533	5.7%
33.3%	9,123	9,551	428	4.7%
34.6%	8,969	9,497	528	5.9%
35.8%	8,500	8,485	-15	-0.2%
37.0%	8,366	8,477	111	1.3%
38.3%	8,236	8,210	-26	-0.3%
39.5%	7,644	8,207	562	7.4%
40.7%	7,286	7,952	665	9.1%
42.0%	6,958	7,813	855	12.3%
43.2%	6,939	7,772	833	12.0%
44.4%	6,653	7,647	994	14.9%
45.7%	6,321	7,481	1,160	18.4%
46.9%	6,289	7,140	851	13.5%
48.1%	6,168	7,044	876	14.2%
49.4%	6,166	6,933	766	12.4%
50.6%	5,872	6,837	965	16.4%
51.9%	5,844	6,713	869	14.9%
53.1%	5,830	6,703	873	15.0%
54.3%	5,787	6,675	888	15.3%
55.6%	5,776	6,595	819	14.2%
56.8%	5,686	6,561	875	15.4%
58.0%	5,635	6,366	731	13.0%
59.3%	5,625	6,218	593	10.6%
60.5%	5,561	6,218	657	11.8%
61.7%	5,530	6,192	662	12.0%
63.0%	5,514	6,101	587	10.7%
64.2%	5,459	6,060	601	11.0%
65.4%	5,399	5,924	525	9.7%
66.7%	5,382	5,912	531	9.9%
67.9%	5,346	5,901	556	10.4%
69.1%	5,305	5,889	584	11.0%
70.4%	5,175	5,821	646	12.5%
71.6%	5,135	5,811	676	13.2%
72.8%	5,112	5,810	698	13.7%
74.1%	5,073	5,802	728	14.4%
75.3%	5,071	5,723	652	12.9%
76.5%	5,064	5,716	652	12.9%
77.8%	5,058	5,634	576	11.4%
79.0%	4,779	5,629	850	17.8%
80.2%	4,596	5,555	959	20.9%
81.5%	4,554	5,531	977	21.5%
82.7%	4,526	5,493	967	21.4%
84.0%	4,513	5,432	918	20.3%
85.2%	4,403	5,404	1,001	22.7%
86.4%	4,397	5,300	903	20.5%
87.7%	4,311	5,285	974	22.6%
88.9%	4,075	5,227	1,153	28.3%
90.1%	4,061	5,129	1,068	26.3%
91.4%	4,007	5,000	993	24.8%
92.6%	3,891	5,000	1,109	28.5%
93.8%	3,881	5,000	1,119	28.8%
95.1%	3,514	5,000	1,486	42.3%
96.3%	3,506	5,000	1,494	42.6%
97.5%	3,505	4,334	829	23.7%
98.8%	3,278	4,223	945	28.8%
100.0%	3,255	3,505	250	7.7%

Table SW-16-9a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,258	12,153	19,084	27,004	31,441	28,424	19,441	15,292	12,918	15,838	12,415	14,704
Alternative D	9,820	12,863	18,495	25,931	30,404	26,889	19,097	15,187	13,381	17,084	13,130	15,705
Difference	562	710	-589	-1,072	-1,037	-1,536	-344	-106	464	1,246	715	1,002
Percent Difference[3]	6.1%	5.8%	-3.1%	-4.0%	-3.3%	-5.4%	-1.8%	-0.7%	3.6%	7.9%	5.8%	6.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,245	15,767	21,483	44,203	49,347	43,331	32,085	25,662	17,796	15,937	12,380	23,027
Alternative D	12,406	16,292	20,513	43,470	48,643	42,605	31,797	25,544	18,512	17,099	12,413	24,264
Difference	1,161	525	-970	-733	-703	-727	-289	-117	716	1,162	32	1,237
Percent Difference	10.3%	3.3%	-4.5%	-1.7%	-1.4%	-1.7%	-0.9%	-0.5%	4.0%	7.3%	0.3%	5.4%
Above Normal (15%)												
No Action Alternative	10,102	13,988	19,955	32,683	38,255	38,744	21,918	16,478	13,161	17,418	13,713	17,333
Alternative D	10,899	15,513	18,391	30,790	36,866	37,095	21,295	16,377	13,474	19,172	13,893	18,355
Difference	798	1,526	-1,565	-1,893	-1,389	-1,649	-623	-101	313	1,755	180	1,022
Percent Difference	7.9%	10.9%	-7.8%	-5.8%	-3.6%	-4.3%	-2.8%	-0.6%	2.4%	10.1%	1.3%	5.9%
Below Normal (17%)												
No Action Alternative	9,398	11,919	22,226	19,174	25,330	20,113	13,865	10,765	10,623	16,341	13,118	9,784
Alternative D	9,877	12,725	22,615	17,101	24,541	17,930	13,334	10,530	11,063	18,000	13,365	10,365
Difference	480	806	389	-2,073	-789	-2,183	-531	-235	440	1,658	247	582
Percent Difference	5.1%	6.8%	1.7%	-10.8%	-3.1%	-10.9%	-3.8%	-2.2%	4.1%	10.1%	1.9%	5.9%
Dry (22%)												
No Action Alternative	7,702	9,710	18,322	14,431	18,308	17,638	10,783	8,758	10,227	15,964	13,332	9,606
Alternative D	7,721	10,441	18,208	13,760	16,838	14,834	10,472	8,779	10,510	17,018	14,909	10,868
Difference	19	731	-114	-671	-1,470	-2,805	-311	21	283	1,054	1,578	1,262
Percent Difference	0.2%	7.5%	-0.6%	-4.7%	-8.0%	-15.9%	-2.9%	0.2%	2.8%	6.6%	11.8%	13.1%
Critical (15%)												
No Action Alternative	6,282	6,426	10,494	12,052	12,661	11,682	9,059	6,724	8,818	13,268	9,000	7,429
Alternative D	6,219	6,578	9,854	11,632	11,613	11,164	9,045	6,599	9,184	13,996	10,979	7,999
Difference	-63	152	-640	-420	-1,047	-518	-15	-125	366	728	1,979	570
Percent Difference	-1.0%	2.4%	-6.1%	-3.5%	-8.3%	-4.4%	-0.2%	-1.9%	4.1%	5.5%	22.0%	7.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-16-9b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

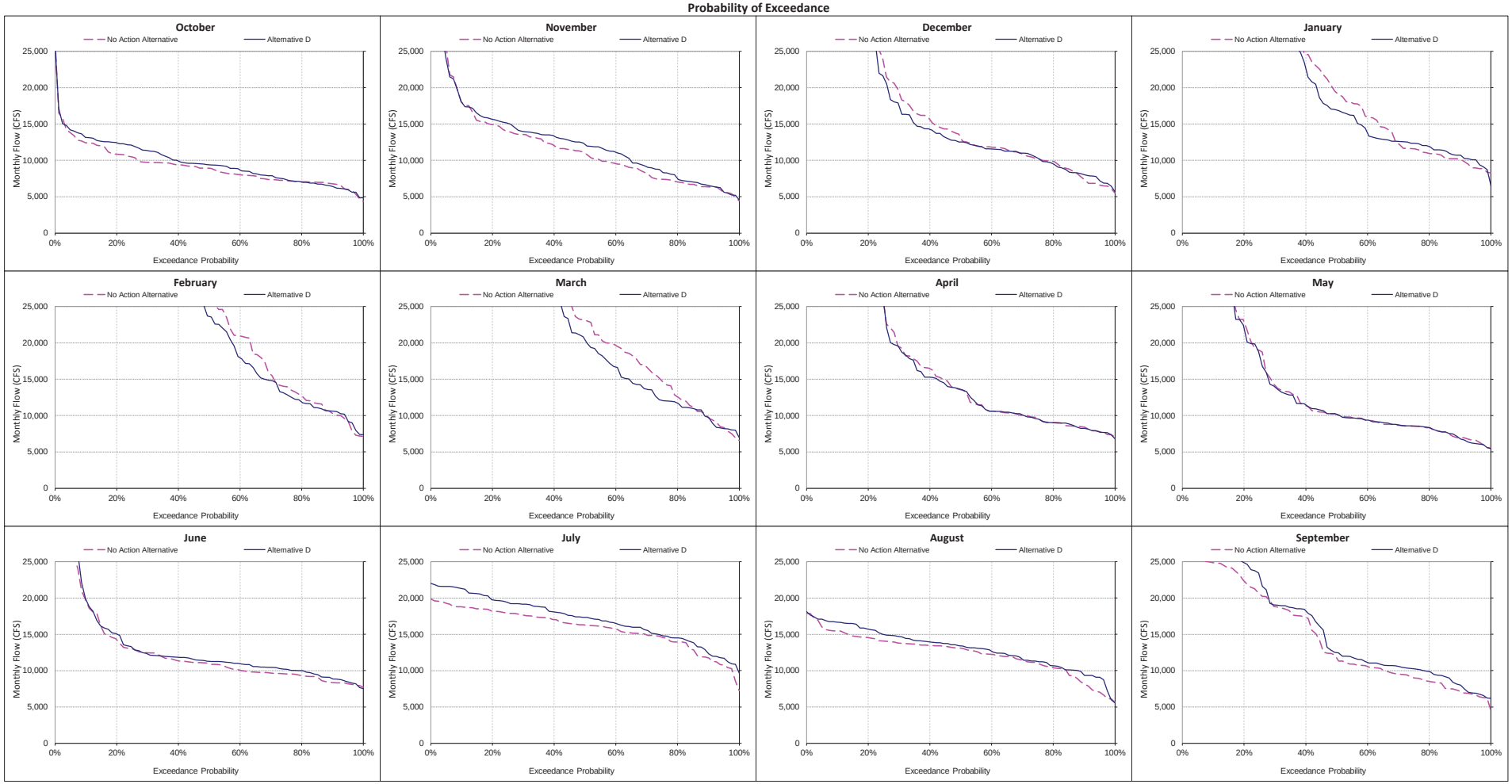

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,681	26,232	-448	-1.7%
1.2%	16,511	17,137	626	3.8%
2.5%	15,779	15,056	-723	-4.6%
3.7%	14,246	14,816	570	4.0%
4.9%	13,804	14,207	403	2.9%
6.2%	13,396	14,023	627	4.7%
7.4%	12,771	13,785	1,014	7.9%
8.6%	12,655	13,664	1,009	8.0%
9.9%	12,427	13,165	738	5.9%
11.1%	12,402	13,139	737	5.9%
12.3%	12,337	13,056	720	5.8%
13.6%	12,073	12,735	662	5.5%
14.8%	12,012	12,642	629	5.2%
16.0%	11,861	12,574	713	6.0%
17.3%	11,162	12,562	1,400	12.5%
18.5%	10,910	12,479	1,570	14.4%
19.8%	10,847	12,463	1,616	14.9%
21.0%	10,825	12,287	1,462	13.5%
22.2%	10,780	12,283	1,503	13.9%
23.5%	10,591	12,151	1,560	14.7%
24.7%	10,497	12,128	1,632	15.5%
25.9%	10,378	11,895	1,517	14.6%
27.2%	9,834	11,695	1,861	18.9%
28.4%	9,767	11,410	1,643	16.8%
29.6%	9,738	11,388	1,650	16.9%
30.9%	9,734	11,273	1,539	15.8%
32.1%	9,708	11,249	1,541	15.9%
33.3%	9,689	11,088	1,400	14.4%
34.6%	9,673	10,780	1,107	11.4%
35.8%	9,655	10,568	913	9.5%
37.0%	9,634	10,379	745	7.7%
38.3%	9,492	10,057	566	6.0%
39.5%	9,398	10,033	635	6.8%
40.7%	9,375	9,759	384	4.1%
42.0%	9,333	9,657	324	3.5%
43.2%	9,224	9,609	385	4.2%
44.4%	9,220	9,607	387	4.2%
45.7%	9,126	9,575	449	4.9%
46.9%	8,950	9,540	591	6.6%
48.1%	8,946	9,511	564	6.3%
49.4%	8,920	9,435	515	5.8%
50.6%	8,893	9,367	474	5.3%
51.9%	8,682	9,353	670	7.7%
53.1%	8,461	9,331	870	10.3%
54.3%	8,351	9,255	904	10.8%
55.6%	8,219	9,168	949	11.5%
56.8%	8,127	8,913	785	9.7%
58.0%	8,126	8,903	777	9.6%
59.3%	8,069	8,852	783	9.7%
60.5%	7,977	8,553	576	7.2%
61.7%	7,955	8,512	556	7.0%
63.0%	7,908	8,468	560	7.1%
64.2%	7,892	8,214	323	4.1%
65.4%	7,824	8,142	318	4.1%
66.7%	7,506	8,007	502	6.7%
67.9%	7,465	7,954	489	6.5%
69.1%	7,368	7,888	519	7.1%
70.4%	7,355	7,877	522	7.1%
71.6%	7,335	7,627	292	4.0%
72.8%	7,270	7,552	282	3.9%
74.1%	7,270	7,472	202	2.8%
75.3%	7,188	7,287	99	1.4%
76.5%	7,184	7,145	-39	-0.5%
77.8%	7,136	7,137	1	0.0%
79.0%	7,100	7,114	14	0.2%
80.2%	7,041	6,998	-44	-0.6%
81.5%	7,040	6,979	-61	-0.9%
82.7%	7,001	6,878	-123	-1.8%
84.0%	7,000	6,867	-133	-1.9%
85.2%	6,992	6,749	-244	-3.5%
86.4%	6,989	6,728	-261	-3.7%
87.7%	6,934	6,593	-340	-4.9%
88.9%	6,837	6,527	-310	-4.5%
90.1%	6,783	6,388	-395	-5.8%
91.4%	6,701	6,189	-512	-7.6%
92.6%	6,565	6,145	-420	-6.4%
93.8%	6,071	6,079	8	0.1%
95.1%	6,006	5,947	-59	-1.0%
96.3%	5,820	5,637	-183	-3.1%
97.5%	5,322	5,624	301	5.7%
98.8%	4,685	4,868	183	3.9%
100.0%	4,369	4,846	477	10.9%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,249	41,113	-1,136	-2.7%
1.2%	41,216	41,015	-201	-0.5%
2.5%	28,205	28,147	-58	-0.2%
3.7%	26,012	27,525	1,513	5.8%
4.9%	25,779	24,035	-1,743	-6.8%
6.2%	21,784	21,495	-289	-1.3%
7.4%	21,475	21,179	-296	-1.4%
8.6%	19,690	19,716	25	0.1%
9.9%	18,033	18,086	53	0.3%
11.1%	17,584	17,369	-215	-1.2%
12.3%	17,537	17,350	-186	-1.1%
13.6%	16,614	17,164	550	3.3%
14.8%	15,538	16,528	990	6.4%
16.0%	15,359	16,156	797	5.2%
17.3%	15,358	15,906	547	3.6%
18.5%	15,056	15,841	784	5.2%
19.8%	14,939	15,665	726	4.9%
21.0%	14,828	15,551	724	4.9%
22.2%	14,687	15,388	701	4.8%
23.5%	14,232	15,243	1,012	7.1%
24.7%	13,989	15,162	1,173	8.4%
25.9%	13,873	14,977	1,104	8.0%
27.2%	13,693	14,572	879	6.4%
28.4%	13,586	14,146	560	4.1%
29.6%	13,582	13,980	398	2.9%
30.9%	13,530	13,923	393	2.9%
32.1%	13,241	13,876	635	4.8%
33.3%	13,192	13,800	608	4.6%
34.6%	13,054	13,719	666	5.1%
35.8%	12,949	13,554	605	4.7%
37.0%	12,382	13,506	1,124	9.1%
38.3%	12,364	13,501	1,137	9.2%
39.5%	12,187	13,427	1,240	10.2%
40.7%	11,833	13,175	1,343	11.3%
42.0%	11,618	13,019	1,401	12.1%
43.2%	11,617	12,939	1,322	11.4%
44.4%	11,533	12,820	1,288	11.2%
45.7%	11,477	12,627	1,150	10.0%
46.9%	11,338	12,545	1,207	10.6%
48.1%	11,319	12,530	1,211	10.7%
49.4%	11,132	12,401	1,269	11.4%
50.6%	10,814	11,958	1,144	10.6%
51.9%	10,363	11,939	1,576	15.2%
53.1%	10,203	11,878	1,675	16.4%
54.3%	10,153	11,858	1,705	16.8%
55.6%	9,867	11,655	1,788	18.1%
56.8%	9,863	11,418	1,555	15.8%
58.0%	9,693	11,270	1,578	16.3%
59.3%	9,620	11,241	1,621	16.8%
60.5%	9,499	11,028	1,528	16.1%
61.7%	9,454	10,889	1,435	15.2%
63.0%	9,257	10,570	1,313	14.2%
64.2%	9,038	10,301	1,264	14.0%
65.4%	8,974	9,630	656	7.3%
66.7%	8,972	9,625	652	7.3%
67.9%	8,603	9,459	856	10.0%
69.1%	8,370	9,271	901	10.8%
70.4%	8,141	9,043	902	11.1%
71.6%	7,635	8,977	1,341	17.6%
72.8%	7,464	8,793	1,330	17.8%
74.1%	7,406	8,777	1,371	18.5%
75.3%	7,401	8,298	898	12.1%
76.5%	7,380	8,270	891	12.1%
77.8%	7,283	8,112	829	11.4%
79.0%	7,105	8,026	920	13.0%
80.2%	7,029	7,356	327	4.7%
81.5%	6,935	7,238	303	4.4%
82.7%	6,787	7,159	372	5.5%
84.0%	6,708	7,091	383	5.7%
85.2%	6,687	7,028	341	5.1%
86.4%	6,540	6,943	402	6.2%
87.7%	6,383	6,746	362	5.7%
88.9%	6,382	6,669	287	4.5%
90.1%	6,366	6,519	153	2.4%
91.4%	6,359	6,406	47	0.7%
92.6%	6,345	6,323	-22	-0.3%
93.8%	5,978	6,250	272	4.5%
95.1%	5,571	5,620	48	0.9%
96.3%	5,544	5,470	-74	-1.3%
97.5%	5,421	5,241	-180	-3.3%
98.8%	4,883	5,208	325	6.7%
100.0%	4,426	4,563	137	3.1%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,305	62,323	19	0.0%
1.2%	56,655	55,135	-1,520	-2.7%
2.5%	55,804	54,933	-872	-1.6%
3.7%	53,645	53,344	-301	-0.6%
4.9%	49,549	50,700	1,151	2.3%
6.2%	47,680	47,233	-447	-0.9%
7.4%	46,598	46,517	-81	-0.2%
8.6%	41,658	39,591	-2,067	-5.0%
9.9%	39,568	39,231	-337	-0.9%
11.1%	39,070	38,341	-729	-1.9%
12.3%	38,714	34,917	-3,797	-9.8%
13.6%	35,411	34,803	-608	-1.7%
14.8%	34,559	34,630	71	0.2%
16.0%	31,082	32,843	1,761	5.7%
17.3%	30,613	32,069	1,456	4.8%
18.5%	30,317	29,993	-324	-1.1%
19.8%	30,228	27,025	-3,203	-10.6%
21.0%	29,838	26,353	-3,485	-11.7%
22.2%	29,106	26,297	-2,808	-9.6%
23.5%	25,261	21,976	-3,284	-13.0%
24.7%	24,054	21,627	-2,427	-10.1%
25.9%	21,469	20,535	-934	-4.4%
27.2%	20,805	18,368	-2,437	-11.7%
28.4%	20,615	18,062	-2,554	-12.4%
29.6%	19,773	17,914	-1,858	-9.4%
30.9%	18,306	16,335	-1,971	-10.8%
32.1%	18,070	16,324	-1,746	-9.7%
33.3%	17,598	16,280	-1,318	-7.5%
34.6%	16,818	15,214	-1,604	-9.5%
35.8%	16,419	14,711	-1,709	-10.4%
37.0%	16,185	14,633	-1,552	-9.6%
38.3%	16,177	14,345	-1,832	-11.3%
39.5%	15,904	14,334	-1,571	-9.9%
40.7%	15,181	14,142	-1,040	-6.8%
42.0%	14,796	13,721	-1,075	-7.3%
43.2%	14,543	13,710	-832	-5.7%
44.4%	14,337	13,273	-1,064	-7.4%
45.7%	14,298	13,033	-1,265	-8.8%
46.9%	14,028	12,774	-1,254	-8.9%
48.1%	13,779	12,733	-1,046	-7.6%
49.4%	13,596	12,540	-1,056	-7.8%
50.6%	12,624	12,533	-91	-0.7%
51.9%	12,514	12,424	-90	-0.7%
53.1%	12,385	12,188	-197	-1.6%
54.3%	12,109	12,093	-16	-0.1%
55.6%	11,932	11,990	58	0.5%
56.8%	11,888	11,875	-13	-0.1%
58.0%	11,865	11,590	-275	-2.3%
59.3%	11,862	11,588	-274	-2.3%
60.5%	11,811	11,550	-261	-2.2%
61.7%	11,792	11,520	-272	-2.3%
63.0%	11,717	11,499	-218	-1.9%
64.2%	11,616	11,281	-335	-2.9%
65.4%	11,391	11,265	-127	-1.1%
66.7%	11,194	11,242	48	0.4%
67.9%	11,161	11,224	62	0.6%
69.1%	11,031	11,004	-27	-0.2%
70.4%	10,776	10,999	223	2.1%
71.6%	10,574	10,958	385	3.6%
72.8%	10,476	10,759	283	2.7%
74.1%	10,291	10,492	202	2.0%
75.3%	10,198	10,237	39	0.4%
76.5%	9,965	9,847	-118	-1.2%
77.8%	9,939	9,825	-114	-1.1%
79.0%	9,906	9,701	-205	-2.1%
80.2%	9,828	9,458	-369	-3.8%
81.5%	9,463	9,084	-379	-4.0%
82.7%	9,030	8,974	-57	-0.6%
84.0%	8,940	8,758	-182	-2.0%
85.2%	8,809	8,374	-435	-4.9%
86.4%	8,470	8,311	-159	-1.9%
87.7%	8,206	8,305	99	1.2%
88.9%	7,757	8,151	394	5.1%
90.1%	7,326	8,002	676	9.2%
91.4%	6,847	7,940	1,093	16.0%
92.6%	6,846	7,871	1,025	15.0%
93.8%	6,832	7,801	969	14.2%
95.1%	6,601	7,183	582	8.8%
96.3%	6,480	6,874	394	6.1%
97.5%	6,440	6,853	414	6.4%
98.8%	6,100	6,467	367	6.0%
100.0%	5,504	5,678	174	3.2%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,167	70,656	-511	-0.7%
1.2%	70,077	69,858	-219	-0.3%
2.5%	62,642	62,646	4	0.0%
3.7%	62,469	61,888	-582	-0.9%
4.9%	58,916	58,309	-606	-1.0%
6.2%	58,137	58,263	127	0.2%
7.4%	56,778	55,666	-1,112	-2.0%
8.6%	55,106	53,716	-1,390	-2.5%
9.9%	54,766	52,883	-1,883	-3.4%
11.1%	52,513	52,452	-61	-0.1%
12.3%	50,642	49,206	-1,436	-2.8%
13.6%	50,222	48,356	-1,865	-3.7%
14.8%	49,209	48,111	-1,098	-2.2%
16.0%	49,206	47,624	-1,582	-3.2%
17.3%	48,130	47,190	-940	-2.0%
18.5%	48,045	46,471	-1,574	-3.3%
19.8%	47,392	45,504	-1,888	-4.0%
21.0%	45,998	44,787	-1,210	-2.6%
22.2%	44,251	42,622	-1,629	-3.7%
23.5%	43,614	41,025	-2,589	-5.9%
24.7%	42,283	40,712	-1,570	-3.7%
25.9%	40,709	40,443	-266	-0.7%
27.2%	40,694	36,695	-3,999	-9.8%
28.4%	39,567	36,681	-2,886	-7.3%
29.6%	36,883	35,210	-1,673	-4.5%
30.9%	36,157	33,343	-2,814	-7.8%
32.1%	33,214	32,126	-1,089	-3.3%
33.3%	32,124	31,340	-785	-2.4%
34.6%	29,948	27,443	-2,505	-8.4%
35.8%	29,568	26,387	-3,181	-10.8%
37.0%	27,143	25,635	-1,509	-5.6%
38.3%	27,032	24,864	-2,168	-8.0%
39.5%	24,577	23,498	-1,079	-4.4%
40.7%	24,568	21,435	-3,133	-12.8%
42.0%	23,508	20,805	-2,703	-11.5%
43.2%	23,043	20,484	-2,559	-11.1%
44.4%	22,552	18,618	-3,935	-17.4%
45.7%	21,773	17,822	-3,951	-18.1%
46.9%	21,197	17,546	-3,651	-17.2%
48.1%	20,325	17,054	-3,271	-16.1%
49.4%	19,519	16,991	-2,528	-13.0%
50.6%	19,047	16,855	-2,192	-11.5%
51.9%	18,784	16,613	-2,170	-11.6%
53.1%	18,090	16,455	-1,635	-9.0%
54.3%	18,028	16,234	-1,794	-10.0%
55.6%	17,808	16,211	-1,597	-9.0%
56.8%	17,749	15,061	-2,688	-15.1%
58.0%	17,425	14,857	-2,568	-14.7%
59.3%	16,080	14,444	-1,636	-10.2%
60.5%	15,926	13,331	-2,595	-16.3%
61.7%	15,849	13,208	-2,641	-16.7%
63.0%	15,516	13,041	-2,475	-16.0%
64.2%	14,610	12,957	-1,653	-11.3%
65.4%	14,536	12,866	-1,670	-11.5%
66.7%	14,243	12,810	-1,433	-10.1%
67.9%	13,891	12,636	-1,255	-9.0%
69.1%	12,495	12,632	138	1.1%
70.4%	12,178	12,587	409	3.4%
71.6%	11,669	12,566	896	7.7%
72.8%	11,665	12,530	865	7.4%
74.1%	11,637	12,357	720	6.2%
75.3%	11,593	12,343	751	6.5%
76.5%	11,444	12,302	858	7.5%
77.8%	11,130	12,058	928	8.3%
79.0%	11,059	12,035	976	8.8%
80.2%	10,937	11,880	943	8.6%
81.5%	10,912	11,439	526	4.8%
82.7%	10,843	11,436	593	5.5%
84.0%	10,713	11,415	703	6.6%
85.2%	10,289	11,298	1,009	9.8%
86.4%	10,239	10,979	740	7.2%
87.7%	10,229	10,771	541	5.3%
88.9%	10,217	10,717	500	4.9%
90.1%	10,156	10,700	544	5.4%
91.4%	9,840	10,259	419	4.3%
92.6%	9,509	10,228	718	7.6%
93.8%	8,975	10,094	1,119	12.5%
95.1%	8,962	10,090	1,128	12.6%
96.3%	8,856	9,401	545	6.1%
97.5%	8,854	9,098	244	2.8%
98.8%	8,369	8,730	361	4.3%
100.0%	8,273	6,478	-1,795	-21.7%

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,468	73,317	850	1.2%
1.2%	66,154	66,380	226	0.3%
2.5%	65,164	64,920	-244	-0.4%
3.7%	62,890	62,891	1	0.0%
4.9%	60,471	60,476	5	0.0%
6.2%	60,156	60,370	214	0.4%
7.4%	59,962	60,157	195	0.3%
8.6%	59,746	59,208	-539	-0.9%
9.9%	59,569	58,978	-591	-1.0%
11.1%	58,689	58,117	-571	-1.0%
12.3%	58,133	57,249	-884	-1.5%
13.6%	57,369	56,315	-1,053	-1.8%
14.8%	56,117	55,822	-296	-0.5%
16.0%	55,772	55,772	0	0.0%
17.3%	55,519	55,521	1	0.0%
18.5%	54,896	54,451	-445	-0.8%
19.8%	52,352	50,549	-1,803	-3.4%
21.0%	49,847	48,370	-1,477	-3.0%
22.2%	49,215	47,800	-1,415	-2.9%
23.5%	48,454	47,311	-1,143	-2.4%
24.7%	44,871	44,220	-651	-1.5%
25.9%	43,929	42,741	-1,187	-2.7%
27.2%	42,987	42,639	-347	-0.8%
28.4%	42,519	42,288	-232	-0.5%
29.6%	42,409	41,719	-689	-1.6%
30.9%	42,397	41,433	-964	-2.3%
32.1%	41,728	41,325	-403	-1.0%
33.3%	41,486	40,215	-1,272	-3.1%
34.6%	41,017	39,527	-1,490	-3.6%
35.8%	40,554	39,261	-1,293	-3.2%
37.0%	40,214	38,976	-1,238	-3.1%
38.3%	39,676	38,430	-1,246	-3.1%
39.5%	37,562	37,156	-406	-1.1%
40.7%	36,607	36,935	327	0.9%
42.0%	33,680	32,531	-1,149	-3.4%
43.2%	32,515	29,713	-2,803	-8.6%
44.4%	31,855	29,432	-2,423	-7.6%
45.7%	31,822	27,674	-4,149	-13.0%
46.9%	29,172	26,508	-2,664	-9.1%
48.1%	28,899	25,245	-3,654	-12.6%
49.4%	26,830	23,685	-3,144	-11.7%
50.6%	26,563	23,545	-3,019	-11.4%
51.9%	25,250	22,566	-2,684	-10.6%
53.1%	24,612	22,563	-2,049	-8.3%
54.3%	24,586	22,032	-2,554	-10.4%
55.6%	23,530	21,519	-2,010	-8.5%
56.8%	21,906	20,460	-1,446	-6.6%
58.0%	21,025	19,566	-1,459	-6.9%
59.3%	21,000	18,159	-2,841	-13.5%
60.5%	20,902	17,800	-3,102	-14.8%
61.7%	20,768	17,169	-3,599	-17.3%
63.0%	20,660	17,125	-3,534	-17.1%
64.2%	18,452	16,615	-1,836	-10.0%
65.4%	18,376	15,788	-2,588	-14.1%
66.7%	18,012	15,173	-2,839	-15.8%
67.9%	17,441	15,007	-2,434	-14.0%
69.1%	15,998	14,880	-1,118	-7.0%
70.4%	15,461	14,796	-665	-4.3%
71.6%	14,449	14,557	109	0.8%
72.8%	14,172	13,312	-860	-6.1%
74.1%	14,022	13,125	-898	-6.4%
75.3%	13,968	12,839	-1,128	-8.1%
76.5%	13,510	12,519	-991	-7.3%
77.8%	13,257	12,254	-1,003	-7.6%
79.0%	12,951	12,175	-776	-6.0%
80.2%	12,600	11,749	-852	-6.8%
81.5%	12,061	11,672	-389	-3.2%
82.7%	12,021	11,623	-398	-3.3%
84.0%	11,755	11,102	-653	-5.6%
85.2%	11,652	11,074	-578	-5.0%
86.4%	11,579	10,942	-637	-5.5%
87.7%	10,754	10,689	-66	-0.6%
88.9%	10,594	10,639	45	0.4%
90.1%	10,242	10,601	359	3.5%
91.4%	10,061	10,524	463	4.6%
92.6%	10,011	10,259	248	2.5%
93.8%	9,587	10,181	594	6.2%
95.1%	9,174	9,197	23	0.2%
96.3%	7,894	9,012	1,118	14.2%
97.5%	7,300	7,949	648	8.9%
98.8%	7,196	7,393	197	2.7%
100.0%	7,145	7,362	217	3.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	69,020	69,022	2	0.0%
1.2%	67,784	67,055	-728	-1.1%
2.5%	62,846	62,683	-163	-0.3%
3.7%	60,526	60,081	-445	-0.7%
4.9%	59,935	59,934	-1	0.0%
6.2%	59,029	58,888	-141	-0.2%
7.4%	58,885	57,933	-952	-1.6%
8.6%	56,288	55,951	-337	-0.6%
9.9%	55,196	54,989	-208	-0.4%
11.1%	53,009	52,651	-358	-0.7%
12.3%	52,729	52,439	-290	-0.6%
13.6%	52,645	51,826	-820	-1.6%
14.8%	51,481	51,118	-363	-0.7%
16.0%	48,607	48,603	-4	0.0%
17.3%	47,761	47,762	1	0.0%
18.5%	47,686	47,676	-9	0.0%
19.8%	47,084	43,793	-3,292	-7.0%
21.0%	43,472	43,471	0	0.0%
22.2%	42,480	42,483	3	0.0%
23.5%	41,370	41,397	26	0.1%
24.7%	40,719	40,918	199	0.5%
25.9%	39,344	39,824	480	1.2%
27.2%	39,138	37,332	-1,806	-4.6%
28.4%	36,506	32,922	-3,584	-9.8%
29.6%	36,360	31,882	-4,478	-12.3%
30.9%	36,184	31,784	-4,400	-12.2%
32.1%	35,730	31,175	-4,555	-12.7%
33.3%	32,804	30,663	-2,141	-6.5%
34.6%	32,475	30,622	-1,853	-5.7%
35.8%	31,123	30,247	-876	-2.8%
37.0%	30,698	30,037	-661	-2.2%
38.3%	30,632	28,574	-2,059	-6.7%
39.5%	30,209	28,506	-1,703	-5.6%
40.7%	28,606	25,675	-2,931	-10.2%
42.0%	27,915	25,523	-2,392	-8.6%
43.2%	26,733	23,643	-3,090	-11.6%
44.4%	25,243	23,362	-1,881	-7.5%
45.7%	25,089	21,398	-3,691	-14.7%
46.9%	23,630	21,357	-2,273	-9.6%
48.1%	23,262	21,100	-2,162	-9.3%
49.4%	23,162	20,821	-2,341	-10.1%
50.6%	23,043	19,978	-3,065	-13.3%
51.9%	22,820	19,369	-3,451	-15.1%
53.1%	21,105	19,219	-1,886	-8.9%
54.3%	21,095	18,545	-2,549	-12.1%
55.6%	20,277	18,225	-2,052	-10.1%
56.8%	19,996	17,698	-2,298	-11.5%
58.0%	19,975	17,174	-2,801	-14.0%
59.3%	19,812	16,741	-3,071	-15.5%
60.5%	19,507	16,611	-2,897	-14.8%
61.7%	19,216	15,293	-3,923	-20.4%
63.0%	18,715	15,129	-3,586	-19.2%
64.2%	18,557	15,058	-3,498	-18.9%
65.4%	18,211	14,460	-3,751	-20.6%
66.7%	17,748	14,275	-3,473	-19.6%
67.9%	17,045	14,241	-2,803	-16.4%
69.1%	17,036	13,716	-3,320	-19.5%
70.4%	16,498	13,586	-2,911	-17.6%
71.6%	15,937	13,548	-2,389	-15.0%
72.8%	15,635	12,684	-2,951	-18.9%
74.1%	15,151	12,181	-2,970	-19.6%
75.3%	14,592	12,028	-2,564	-17.6%
76.5%	14,212	11,993	-2,219	-15.6%
77.8%	14,081	11,970	-2,111	-15.0%
79.0%	12,843	11,909	-934	-7.3%
80.2%	12,476	11,650	-826	-6.6%
81.5%	12,119	11,148	-972	-8.0%
82.7%	11,984	11,121	-864	-7.2%
84.0%	11,375	11,080	-295	-2.6%
85.2%	11,169	10,962	-207	-1.9%
86.4%	10,581	10,781	200	1.9%
87.7%	10,540	10,779	239	2.3%
88.9%	10,296	9,905	-391	-3.8%
90.1%	9,636	9,731	94	1.0%
91.4%	9,394	8,944	-450	-4.8%
92.6%	9,079	8,367	-712	-7.8%
93.8%	8,493	8,297	-196	-2.3%
95.1%	8,323	8,189	-134	-1.6%
96.3%	7,846	8,176	330	4.2%
97.5%	7,501	8,031	530	7.1%
98.8%	6,926	8,005	1,079	15.6%
100.0%	6,558	6,948	390	5.9%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,606	59,608	2	0.0%
1.2%	56,952	57,122	170	0.3%
2.5%	53,968	53,967	0	0.0%
3.7%	49,215	48,930	-285	-0.6%
4.9%	48,934	48,905	-30	-0.1%
6.2%	48,893	48,432	-461	-0.9%
7.4%	48,425	47,537	-888	-1.8%
8.6%	46,353	46,347	-5	0.0%
9.9%	45,645	45,645	0	0.0%
11.1%	42,911	40,180	-2,731	-6.4%
12.3%	38,249	38,254	5	0.0%
13.6%	35,500	35,377	-124	-0.3%
14.8%	34,515	34,490	-25	-0.1%
16.0%	34,097	32,711	-1,386	-4.1%
17.3%	33,157	32,395	-763	-2.3%
18.5%	32,674	30,217	-2,457	-7.5%
19.8%	32,557	29,223	-3,335	-10.2%
21.0%	30,211	29,024	-1,187	-3.9%
22.2%	29,004	27,580	-1,425	-4.9%
23.5%	28,444	27,134	-1,310	-4.6%
24.7%	26,464	26,578	115	0.4%
25.9%	22,571	22,064	-508	-2.2%
27.2%	22,081	20,030	-2,051	-9.3%
28.4%	21,461	19,769	-1,692	-7.9%
29.6%	19,562	19,568	6	0.0%
30.9%	19,273	18,695	-577	-3.0%
32.1%	18,209	18,313	104	0.6%
33.3%	18,208	17,828	-380	-2.1%
34.6%	17,828	17,623	-205	-1.1%
35.8%	17,528	16,178	-1,350	-7.7%
37.0%	16,833	16,042	-792	-4.7%
38.3%	16,598	15,305	-1,293	-7.8%
39.5%	16,551	15,273	-1,278	-7.7%
40.7%	16,299	15,259	-1,041	-6.4%
42.0%	15,433	15,124	-308	-2.0%
43.2%	15,241	14,739	-502	-3.3%
44.4%	14,953	14,533	-420	-2.8%
45.7%	14,749	14,013	-735	-5.0%
46.9%	14,006	13,905	-102	-0.7%
48.1%	13,819	13,815	-4	0.0%
49.4%	13,599	13,691	93	0.7%
50.6%	13,499	13,499	0	0.0%
51.9%	13,219	13,285	65	0.5%
53.1%	11,828	12,532	704	6.0%
54.3%	11,699	12,050	351	3.0%
55.6%	11,482	11,480	-2	0.0%
56.8%	11,473	11,352	-121	-1.1%
58.0%	10,804	10,803	-1	0.0%
59.3%	10,618	10,613	-6	-0.1%
60.5%	10,600	10,606	6	0.1%
61.7%	10,559	10,577	17	0.2%
63.0%	10,456	10,565	109	1.0%
64.2%	10,407	10,458	51	0.5%
65.4%	10,367	10,454	88	0.8%
66.7%	10,350	10,368	18	0.2%
67.9%	10,249	10,265	16	0.2%
69.1%	10,051	10,252	201	2.0%
70.4%	10,047	10,011	-35	-0.4%
71.6%	9,995	9,800	-195	-2.0%
72.8%	9,798	9,758	-40	-0.4%
74.1%	9,762	9,616	-146	-1.5%
75.3%	9,499	9,508	10	0.1%
76.5%	9,202	9,185	-17	-0.2%
77.8%	9,116	9,048	-67	-0.7%
79.0%	9,088	9,039	-48	-0.5%
80.2%	9,042	8,992	-50	-0.6%
81.5%	9,020	8,983	-37	-0.4%
82.7%	8,959	8,960	1	0.0%
84.0%	8,604	8,959	356	4.1%
85.2%	8,569	8,821	252	2.9%
86.4%	8,547	8,648	101	1.2%
87.7%	8,535	8,427	-107	-1.3%
88.9%	8,483	8,242	-240	-2.8%
90.1%	8,398	8,237	-161	-1.9%
91.4%	8,133	8,134	1	0.0%
92.6%	7,927	7,910	-17	-0.2%
93.8%	7,886	7,908	22	0.3%
95.1%	7,795	7,699	-96	-1.2%
96.3%	7,677	7,674	-2	0.0%
97.5%	7,407	7,649	241	3.3%
98.8%	7,369	7,370	1	0.0%
100.0%	7,057	6,793	-264	-3.7%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,374	48,204	-1,170	-2.4%
1.2%	47,028	46,934	-94	-0.2%
2.5%	44,132	44,153	21	0.0%
3.7%	41,851	41,742	-109	-0.3%
4.9%	38,526	38,153	-373	-1.0%
6.2%	36,637	36,521	-116	-0.3%
7.4%	34,792	34,739	-53	-0.2%
8.6%	34,247	34,540	293	0.9%
9.9%	33,606	34,139	533	1.6%
11.1%	31,932	33,498	1,566	4.9%
12.3%	31,887	31,843	-45	-0.1%
13.6%	31,807	31,812	4	0.0%
14.8%	31,719	31,728	10	0.0%
16.0%	27,277	27,280	4	0.0%
17.3%	24,594	23,249	-1,346	-5.5%
18.5%	23,256	23,197	-60	-0.3%
19.8%	23,200	22,454	-746	-3.2%
21.0%	21,781	20,093	-1,688	-7.7%
22.2%	20,212	19,888	-323	-1.6%
23.5%	19,306	19,872	566	2.9%
24.7%	19,013	18,779	-234	-1.2%
25.9%	18,752	16,761	-1,991	-10.6%
27.2%	15,944	15,959	16	0.1%
28.4%	15,194	14,299	-894	-5.9%
29.6%	14,298	14,082	-216	-1.5%
30.9%	13,762	13,628	-133	-1.0%
32.1%	13,481	13,237	-244	-1.8%
33.3%	13,337	13,002	-335	-2.5%
34.6%	13,256	12,835	-421	-3.2%
35.8%	12,906	12,824	-82	-0.6%
37.0%	12,821	11,671	-1,150	-9.0%
38.3%	11,671	11,666	-5	0.0%
39.5%	11,455	11,627	172	1.5%
40.7%	11,230	11,240	10	0.1%
42.0%	10,681	10,972	291	2.7%
43.2%	10,600	10,941	340	3.2%
44.4%	10,505	10,798	293	2.8%
45.7%	10,471	10,687	217	2.1%
46.9%	10,318	10,273	-45	-0.4%
48.1%	10,258	10,265	7	0.1%
49.4%	10,254	10,249	-4	0.0%
50.6%	10,047	10,071	24	0.2%
51.9%	9,921	9,775	-146	-1.5%
53.1%	9,817	9,686	-131	-1.3%
54.3%	9,797	9,683	-114	-1.2%
55.6%	9,679	9,679	0	0.0%
56.8%	9,674	9,606	-68	-0.7%
58.0%	9,616	9,555	-61	-0.6%
59.3%	9,381	9,407	25	0.3%
60.5%	9,360	9,364	4	0.0%
61.7%	9,268	9,135	-133	-1.4%
63.0%	9,103	9,133	30	0.3%
64.2%	8,978	9,119	141	1.6%
65.4%	8,806	9,015	209	2.4%
66.7%	8,798	8,978	180	2.0%
67.9%	8,783	8,800	17	0.2%
69.1%	8,687	8,785	98	1.1%
70.4%	8,637	8,687	50	0.6%
71.6%	8,584	8,634	49	0.6%
72.8%	8,563	8,599	36	0.4%
74.1%	8,560	8,585	25	0.3%
75.3%	8,556	8,564	8	0.1%
76.5%	8,513	8,556	43	0.5%
77.8%	8,487	8,495	7	0.1%
79.0%	8,328	8,414	86	1.0%
80.2%	8,323	8,325	1	0.0%
81.5%	7,947	8,061	114	1.4%
82.7%	7,879	7,886	6	0.1%
84.0%	7,765	7,763	-2	0.0%
85.2%	7,761	7,734	-27	-0.4%
86.4%	7,451	7,549	98	1.3%
87.7%	7,144	7,454	310	4.3%
88.9%	6,992	7,146	154	2.2%
90.1%	6,981	6,777	-205	-2.9%
91.4%	6,953	6,620	-333	-4.8%
92.6%	6,777	6,354	-422	-6.2%
93.8%	6,629	6,224	-405	-6.1%
95.1%	6,612	6,140	-472	-7.1%
96.3%	6,297	6,076	-221	-3.5%
97.5%	6,007	6,019	13	0.2%
98.8%	5,614	5,570	-44	-0.8%
100.0%	5,530	5,443	-87	-1.6%

Table SW-16-9b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,597	49,450	-147	-0.3%
1.2%	37,192	37,625	433	1.2%
2.5%	27,160	28,200	1,040	3.8%
3.7%	27,034	28,031	997	3.7%
4.9%	25,878	26,521	643	2.5%
6.2%	25,748	26,346	598	2.3%
7.4%	24,073	26,222	2,149	8.9%
8.6%	21,010	22,112	1,102	5.2%
9.9%	19,784	19,943	160	0.8%
11.1%	18,586	18,816	230	1.2%
12.3%	18,058	18,184	126	0.7%
13.6%	17,874	16,904	-971	-5.4%
14.8%	16,193	16,148	-45	-0.3%
16.0%	15,048	15,865	816	5.4%
17.3%	14,863	15,706	843	5.7%
18.5%	14,560	15,193	633	4.3%
19.8%	14,386	15,116	730	5.1%
21.0%	13,760	14,855	1,095	8.0%
22.2%	13,202	13,544	342	2.6%
23.5%	13,115	13,422	307	2.3%
24.7%	13,077	13,320	243	1.9%
25.9%	12,864	12,823	-40	-0.3%
27.2%	12,607	12,763	156	1.2%
28.4%	12,476	12,465	-11	-0.1%
29.6%	12,456	12,359	-97	-0.8%
30.9%	12,434	12,142	-292	-2.3%
32.1%	12,428	12,098	-330	-2.7%
33.3%	12,211	12,047	-165	-1.3%
34.6%	11,947	12,007	61	0.5%
35.8%	11,693	11,959	265	2.3%
37.0%	11,667	11,902	235	2.0%
38.3%	11,557	11,876	319	2.8%
39.5%	11,402	11,844	442	3.9%
40.7%	11,291	11,810	519	4.6%
42.0%	11,279	11,801	523	4.6%
43.2%	11,202	11,745	544	4.9%
44.4%	11,142	11,611	469	4.2%
45.7%	11,123	11,457	333	3.0%
46.9%	11,105	11,417	312	2.8%
48.1%	11,079	11,384	305	2.8%
49.4%	11,034	11,305	271	2.5%
50.6%	10,879	11,264	385	3.5%
51.9%	10,867	11,250	383	3.5%
53.1%	10,836	11,240	403	3.7%
54.3%	10,773	11,234	461	4.3%
55.6%	10,488	11,143	655	6.2%
56.8%	10,315	11,111	796	7.7%
58.0%	10,150	11,008	858	8.5%
59.3%	10,146	11,003	857	8.4%
60.5%	9,982	10,919	938	9.4%
61.7%	9,931	10,840	908	9.1%
63.0%	9,802	10,824	1,023	10.4%
64.2%	9,799	10,571	772	7.9%
65.4%	9,782	10,543	761	7.8%
66.7%	9,747	10,497	751	7.7%
67.9%	9,741	10,487	745	7.7%
69.1%	9,717	10,452	735	7.6%
70.4%	9,649	10,437	788	8.2%
71.6%	9,610	10,417	807	8.4%
72.8%	9,597	10,282	685	7.1%
74.1%	9,570	10,210	640	6.7%
75.3%	9,543	10,162	619	6.5%
76.5%	9,542	10,046	505	5.3%
77.8%	9,494	10,043	549	5.8%
79.0%	9,386	10,012	626	6.7%
80.2%	9,249	10,002	753	8.1%
81.5%	9,213	9,801	588	6.4%
82.7%	9,192	9,706	515	5.6%
84.0%	9,182	9,545	363	4.0%
85.2%	9,081	9,434	353	3.9%
86.4%	8,637	9,110	473	5.5%
87.7%	8,500	9,096	597	7.0%
88.9%	8,426	9,095	669	7.9%
90.1%	8,356	8,859	503	6.0%
91.4%	8,324	8,801	477	5.7%
92.6%	8,310	8,784	474	5.7%
93.8%	8,310	8,585	275	3.3%
95.1%	8,182	8,430	247	3.0%
96.3%	8,106	8,303	196	2.4%
97.5%	7,993	8,198	206	2.6%
98.8%	7,937	7,668	-269	-3.4%
100.0%	7,710	7,519	-191	-2.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,895	22,027	2,132	10.7%
1.2%	19,581	21,844	2,263	11.6%
2.5%	19,550	21,640	2,090	10.7%
3.7%	19,485	21,607	2,122	10.9%
4.9%	19,277	21,598	2,320	12.0%
6.2%	19,142	21,586	2,444	12.8%
7.4%	18,832	21,532	2,700	14.3%
8.6%	18,797	21,431	2,634	14.0%
9.9%	18,797	21,311	2,514	13.4%
11.1%	18,720	21,213	2,493	13.3%
12.3%	18,688	20,674	1,987	10.6%
13.6%	18,654	20,644	1,990	10.7%
14.8%	18,511	20,631	2,120	11.5%
16.0%	18,504	20,539	2,035	11.0%
17.3%	18,498	20,348	1,851	10.0%
18.5%	18,431	20,321	1,890	10.3%
19.8%	18,184	19,774	1,590	8.7%
21.0%	18,165	19,675	1,510	8.3%
22.2%	18,121	19,624	1,503	8.3%
23.5%	18,016	19,577	1,561	8.7%
24.7%	17,907	19,446	1,539	8.6%
25.9%	17,884	19,235	1,351	7.6%
27.2%	17,880	19,221	1,341	7.5%
28.4%	17,774	19,205	1,431	8.0%
29.6%	17,692	19,168	1,476	8.3%
30.9%	17,589	19,138	1,549	8.8%
32.1%	17,522	19,077	1,554	8.9%
33.3%	17,502	18,856	1,354	7.7%
34.6%	17,378	18,847	1,469	8.5%
35.8%	17,322	18,750	1,427	8.2%
37.0%	17,288	18,718	1,430	8.3%
38.3%	17,248	18,170	921	5.3%
39.5%	17,061	18,104	1,043	6.1%
40.7%	17,027	18,018	991	5.8%
42.0%	16,684	17,973	1,289	7.7%
43.2%	16,596	17,845	1,249	7.5%
44.4%	16,535	17,614	1,079	6.5%
45.7%	16,470	17,569	1,098	6.7%
46.9%	16,415	17,412	998	6.1%
48.1%	16,324	17,409	1,085	6.6%
49.4%	16,308	17,350	1,042	6.4%
50.6%	16,236	17,321	1,085	6.7%
51.9%	16,209	17,190	981	6.1%
53.1%	16,189	17,094	906	5.6%
54.3%	16,153	17,042	889	5.5%
55.6%	16,088	16,862	774	4.8%
56.8%	15,949	16,836	887	5.6%
58.0%	15,885	16,667	782	4.9%
59.3%	15,807	16,617	810	5.1%
60.5%	15,652	16,434	782	5.0%
61.7%	15,378	16,257	879	5.7%
63.0%	15,259	16,127	868	5.7%
64.2%	15,239	16,062	823	5.4%
65.4%	15,166	15,989	823	5.4%
66.7%	15,141	15,989	849	5.6%
67.9%	15,134	15,978	844	5.6%
69.1%	15,057	15,649	592	3.9%
70.4%	14,860	15,527	667	4.5%
71.6%	14,841	15,148	306	2.1%
72.8%	14,818	15,060	242	1.6%
74.1%	14,739	14,947	208	1.4%
75.3%	14,526	14,786	261	1.8%
76.5%	14,511	14,751	240	1.7%
77.8%	14,003	14,530	527	3.8%
79.0%	13,950	14,504	553	4.0%
80.2%	13,945	14,498	553	4.0%
81.5%	13,927	14,422	495	3.6%
82.7%	13,850	14,240	389	2.8%
84.0%	13,007	14,003	995	7.7%
85.2%	12,863	13,851	987	7.7%
86.4%	12,049	13,296	1,247	10.4%
87.7%	11,919	13,237	1,317	11.1%
88.9%	11,864	12,914	1,050	8.9%
90.1%	11,737	12,305	567	4.8%
91.4%	11,273	11,991	717	6.4%
92.6%	11,216	11,942	726	6.5%
93.8%	10,842	11,773	931	8.6%
95.1%	10,764	11,700	936	8.7%
96.3%	10,409	11,216	807	7.7%
97.5%	10,264	10,926	662	6.4%
98.8%	8,516	10,855	2,339	27.5%
100.0%	7,219	9,659	2,441	33.8%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,892	18,147	254	1.4%
1.2%	17,838	17,644	-194	-1.1%
2.5%	17,235	17,395	160	0.9%
3.7%	16,949	17,098	149	0.9%
4.9%	16,030	17,077	1,047	6.5%
6.2%	15,647	16,871	1,223	7.8%
7.4%	15,546	16,753	1,208	7.8%
8.6%	15,479	16,746	1,266	8.2%
9.9%	15,472	16,676	1,204	7.8%
11.1%	15,434	16,628	1,194	7.7%
12.3%	15,180	16,538	1,358	8.9%
13.6%	14,976	16,495	1,519	10.1%
14.8%	14,783	16,487	1,704	11.5%
16.0%	14,692	16,408	1,716	11.7%
17.3%	14,636	15,883	1,247	8.5%
18.5%	14,592	15,855	1,263	8.7%
19.8%	14,572	15,745	1,173	8.0%
21.0%	14,453	15,618	1,165	8.1%
22.2%	14,382	15,557	1,175	8.2%
23.5%	14,100	15,187	1,086	7.7%
24.7%	14,086	14,989	903	6.4%
25.9%	14,057	14,894	837	6.0%
27.2%	13,977	14,863	886	6.3%
28.4%	13,953	14,829	876	6.3%
29.6%	13,783	14,702	919	6.7%
30.9%	13,778	14,630	852	6.2%
32.1%	13,716	14,440	724	5.3%
33.3%	13,709	14,402	693	5.1%
34.6%	13,662	14,189	526	3.9%
35.8%	13,657	14,131	474	3.5%
37.0%	13,510	14,092	582	4.3%
38.3%	13,509	14,052	542	4.0%
39.5%	13,473	13,987	515	3.8%
40.7%	13,433	13,890	457	3.4%
42.0%	13,413	13,884	471	3.5%
43.2%	13,398	13,851	453	3.4%
44.4%	13,371	13,746	375	2.8%
45.7%	13,300	13,731	431	3.2%
46.9%	13,205	13,556	350	2.7%
48.1%	13,149	13,554	405	3.1%
49.4%	13,145	13,416	271	2.1%
50.6%	13,065	13,378	313	2.4%
51.9%	12,905	13,199	295	2.3%
53.1%	12,734	13,158	424	3.3%
54.3%	12,727	13,128	401	3.2%
55.6%	12,558	13,058	500	4.0%
56.8%	12,300	13,032	732	6.0%
58.0%	12,298	12,959	660	5.4%
59.3%	12,259	12,876	616	5.0%
60.5%	12,234	12,534	301	2.5%
61.7%	12,061	12,423	363	3.0%
63.0%	12,019	12,404	385	3.2%
64.2%	11,964	12,382	418	3.5%
65.4%	11,954	12,135	182	1.5%
66.7%	11,907	12,053	147	1.2%
67.9%	11,620	12,022	402	3.5%
69.1%	11,521	11,852	331	2.9%
70.4%	11,343	11,436	93	0.8%
71.6%	11,208	11,415	206	1.8%
72.8%	11,152	11,340	188	1.7%
74.1%	11,137	11,337	201	1.8%
75.3%	10,933	11,238	305	2.8%
76.5%	10,726	11,206	480	4.5%
77.8%	10,596	11,113	517	4.9%
79.0%	10,540	10,695	155	1.5%
80.2%	10,369	10,672	303	2.9%
81.5%	10,290	10,593	302	2.9%
82.7%	10,279	10,427	148	1.4%
84.0%	10,124	10,120	-4	0.0%
85.2%	9,343	10,119	776	8.3%
86.4%	9,282	10,077	795	8.6%
87.7%	8,927	10,044	1,117	12.5%
88.9%	8,453	9,901	1,448	17.1%
90.1%	8,145	9,348	1,203	14.8%
91.4%	7,859	9,347	1,488	18.9%
92.6%	7,351	9,327	1,976	26.9%
93.8%	7,146	9,106	1,960	27.4%
95.1%	7,020	9,100	2,080	29.6%
96.3%	6,652	8,748	2,096	31.5%
97.5%	6,155	7,198	1,043	16.9%
98.8%	6,110	5,988	-122	-2.0%
100.0%	5,625	5,561	-65	-1.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,918	26,727	-191	-0.7%
1.2%	26,415	26,625	210	0.8%
2.5%	26,249	26,593	344	1.3%
3.7%	26,112	26,425	313	1.2%
4.9%	25,778	26,242	464	1.8%
6.2%	25,583	26,197	614	2.4%
7.4%	25,062	26,170	1,108	4.4%
8.6%	24,988	26,095	1,107	4.4%
9.9%	24,860	25,994	1,134	4.6%
11.1%	24,806	25,859	1,054	4.2%
12.3%	24,764	25,859	1,095	4.4%
13.6%	24,458	25,564	1,106	4.5%
14.8%	24,124	25,391	1,266	5.2%
16.0%	24,123	25,352	1,229	5.1%
17.3%	23,696	25,336	1,639	6.9%
18.5%	23,204	25,219	2,015	8.7%
19.8%	22,470	24,898	2,427	10.8%
21.0%	21,907	24,653	2,746	12.5%
22.2%	21,497	23,897	2,400	11.2%
23.5%	21,290	23,775	2,485	11.7%
24.7%	20,678	23,459	2,782	13.5%
25.9%	20,239	21,588	1,348	6.7%
27.2%	20,207	21,136	930	4.6%
28.4%	19,554	19,269	-285	-1.5%
29.6%	18,825	19,054	229	1.2%
30.9%	18,776	19,011	235	1.3%
32.1%	18,626	18,957	331	1.8%
33.3%	18,487	18,957	470	2.5%
34.6%	18,279	18,717	438	2.4%
35.8%	17,637	18,677	1,041	5.9%
37.0%	17,575	18,532	956	5.4%
38.3%	17,542	18,518	976	5.6%
39.5%	17,405	18,451	1,046	6.0%
40.7%	17,195	17,879	684	4.0%
42.0%	15,549	17,575	2,026	13.0%
43.2%	15,092	16,756	1,664	11.0%
44.4%	14,175	16,153	1,979	14.0%
45.7%	12,552	15,578	3,026	24.1%
46.9%	12,409	13,206	797	6.4%
48.1%	12,374	12,829	456	3.7%
49.4%	12,143	12,511	368	3.0%
50.6%	11,310	12,430	1,121	9.9%
51.9%	11,306	12,004	698	6.2%
53.1%	11,060	12,004	944	8.5%
54.3%	10,888	11,969	1,081	9.9%
55.6%	10,883	11,757	874	8.0%
56.8%	10,728	11,559	831	7.7%
58.0%	10,708	11,520	812	7.6%
59.3%	10,676	11,241	565	5.3%
60.5%	10,487	11,063	575	5.5%
61.7%	10,419	11,056	637	6.1%
63.0%	10,364	11,048	684	6.6%
64.2%	10,294	10,869	574	5.6%
65.4%	9,970	10,744	774	7.8%
66.7%	9,840	10,707	867	8.8%
67.9%	9,687	10,682	995	10.3%
69.1%	9,560	10,648	1,088	11.4%
70.4%	9,490	10,567	1,076	11.3%
71.6%	9,482	10,407	925	9.8%
72.8%	9,383	10,352	969	10.3%
74.1%	9,113	10,326	1,213	13.3%
75.3%	8,971	10,215	1,245	13.9%
76.5%	8,941	10,180	1,239	13.9%
77.8%	8,773	10,036	1,263	14.4%
79.0%	8,592	9,936	1,344	15.6%
80.2%	8,495	9,868	1,373	16.2%
81.5%	8,423	9,490	1,067	12.7%
82.7%	8,361	9,376	1,015	12.1%
84.0%	8,264	9,340	1,076	13.0%
85.2%	7,553	9,146	1,593	21.1%
86.4%	7,509	8,992	1,483	19.7%
87.7%	7,482	8,384	902	12.1%
88.9%	7,350	8,132	781	10.6%
90.1%	7,118	8,006	888	12.5%
91.4%	6,915	7,492	578	8.4%
92.6%	6,864	7,041	177	2.6%
93.8%	6,785	6,926	141	2.1%
95.1%	6,641	6,904	263	4.0%
96.3%	6,398	6,741	343	5.4%
97.5%	6,288	6,579	291	4.6%
98.8%	6,261	6,226	-35	-0.6%
100.0%	4,458	6,203	1,745	39.2%

Table SW-17-9a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,172	15,682	23,091	31,365	36,579	32,466	23,227	19,060	16,650	19,620	15,164	17,563
Alternative D	11,789	16,465	22,603	30,379	35,572	30,984	22,924	19,007	17,024	20,562	15,889	18,422
Difference	617	784	-488	-986	-1,007	-1,482	-303	-54	373	942	724	859
Percent Difference[3]	5.5%	5.0%	-2.1%	-3.1%	-2.8%	-4.6%	-1.3%	-0.3%	2.2%	4.8%	4.8%	4.9%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,338	20,484	25,564	50,411	56,680	49,433	37,987	31,825	23,961	20,124	16,085	27,628
Alternative D	14,647	21,106	24,700	49,803	56,004	48,745	37,700	31,709	24,665	21,097	16,199	28,434
Difference	1,309	622	-864	-608	-676	-688	-288	-116	704	974	114	807
Percent Difference	9.8%	3.0%	-3.4%	-1.2%	-1.2%	-1.4%	-0.8%	-0.4%	2.9%	4.8%	0.7%	2.9%
Above Normal (15%)												
No Action Alternative	11,935	17,421	24,224	38,198	44,607	43,898	26,018	20,801	16,641	22,067	16,588	20,659
Alternative D	12,726	18,990	22,817	36,544	43,340	42,326	25,394	20,678	16,957	23,452	16,735	21,521
Difference	791	1,570	-1,407	-1,655	-1,267	-1,572	-625	-123	316	1,385	147	862
Percent Difference	6.6%	9.0%	-5.8%	-4.3%	-2.8%	-3.6%	-2.4%	-0.6%	1.9%	6.3%	0.9%	4.2%
Below Normal (17%)												
No Action Alternative	11,731	16,232	27,522	22,823	30,766	23,248	17,458	14,007	13,725	21,453	15,848	12,256
Alternative D	12,226	17,133	27,935	20,864	29,923	21,092	17,046	13,829	14,145	22,382	16,194	13,062
Difference	495	901	413	-1,959	-843	-2,156	-412	-178	421	929	347	806
Percent Difference	4.2%	5.5%	1.5%	-8.6%	-2.7%	-9.3%	-2.4%	-1.3%	3.1%	4.3%	2.2%	6.6%
Dry (22%)												
No Action Alternative	9,495	12,396	22,286	17,254	21,222	20,408	13,167	10,883	12,636	19,263	15,856	11,256
Alternative D	9,522	13,241	22,349	16,485	19,814	17,688	12,868	10,955	12,760	20,111	17,343	12,491
Difference	27	845	63	-769	-1,408	-2,720	-298	71	124	848	1,487	1,235
Percent Difference	0.3%	6.8%	0.3%	-4.5%	-6.6%	-13.3%	-2.3%	0.7%	1.0%	4.4%	9.4%	11.0%
Critical (15%)												
No Action Alternative	7,580	7,826	12,634	14,400	14,816	13,115	10,275	7,824	10,256	14,478	9,913	8,310
Alternative D	7,550	7,944	12,006	14,073	13,764	12,646	10,382	7,934	10,289	15,062	11,833	8,779
Difference	-30	118	-628	-326	-1,052	-469	107	110	33	585	1,919	469
Percent Difference	-0.4%	1.5%	-5.0%	-2.3%	-7.1%	-3.6%	1.0%	1.4%	0.3%	4.0%	19.4%	5.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-17-9b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

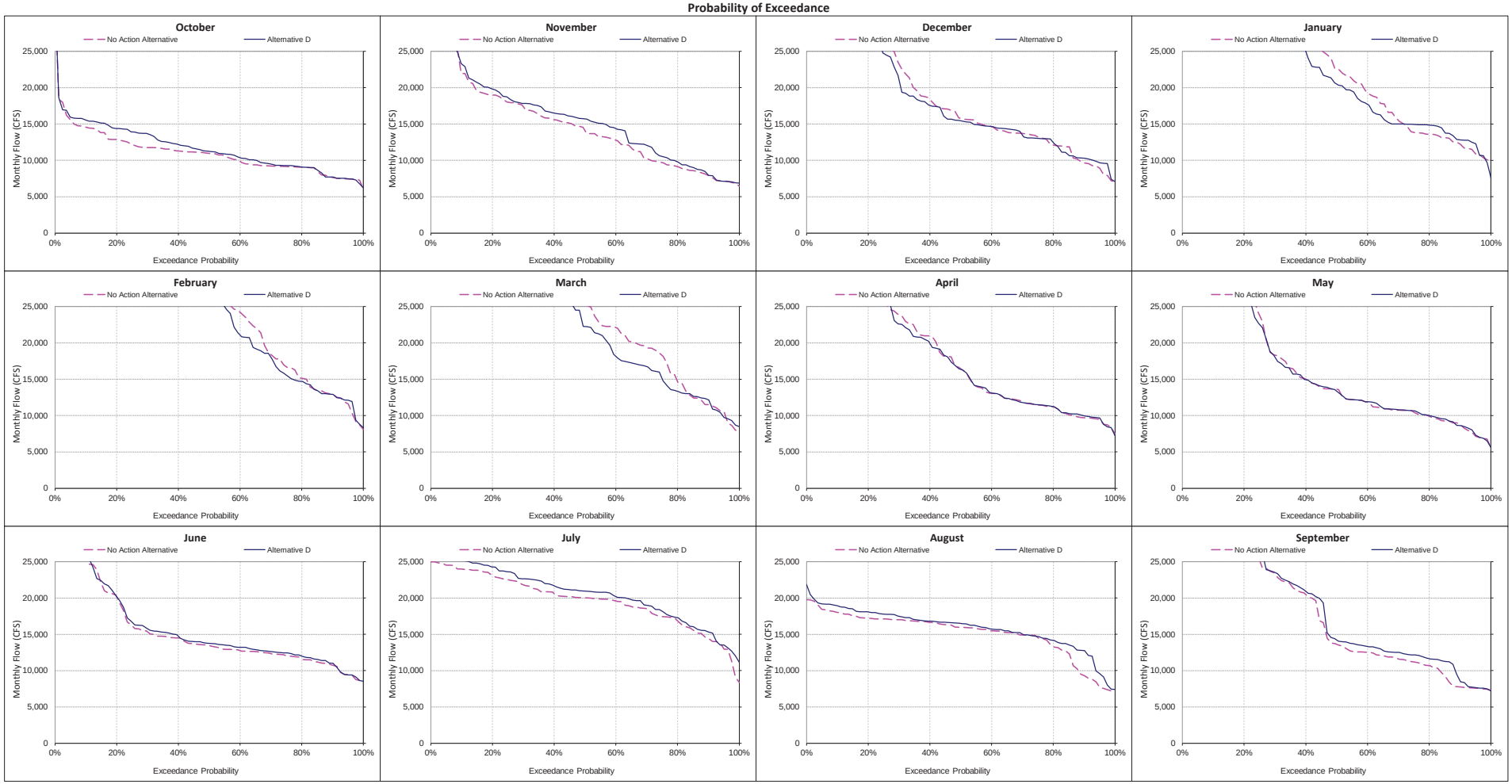

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

	October			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,173	33,239	66	0.2%
1.2%	18,408	18,626	218	1.2%
2.5%	18,000	16,958	-1,042	-5.8%
3.7%	16,227	16,891	664	4.1%
4.9%	15,586	15,944	358	2.3%
6.2%	14,995	15,794	799	5.3%
7.4%	14,765	15,782	1,017	6.9%
8.6%	14,742	15,761	1,018	6.9%
9.9%	14,603	15,581	978	6.7%
11.1%	14,455	15,398	943	6.5%
12.3%	14,410	15,389	979	6.8%
13.6%	14,237	15,282	1,045	7.3%
14.8%	13,836	15,155	1,319	9.5%
16.0%	13,810	15,112	1,302	9.4%
17.3%	12,912	14,819	1,907	14.8%
18.5%	12,892	14,488	1,596	12.4%
19.8%	12,887	14,397	1,509	11.7%
21.0%	12,760	14,385	1,626	12.7%
22.2%	12,683	14,300	1,618	12.8%
23.5%	12,516	14,271	1,755	14.0%
24.7%	12,245	13,916	1,671	13.6%
25.9%	12,026	13,902	1,876	15.6%
27.2%	11,856	13,760	1,904	16.1%
28.4%	11,789	13,723	1,934	16.4%
29.6%	11,775	13,713	1,938	16.5%
30.9%	11,772	13,531	1,760	14.9%
32.1%	11,771	13,312	1,541	13.1%
33.3%	11,726	12,813	1,087	9.3%
34.6%	11,640	12,585	945	8.1%
35.8%	11,549	12,574	1,025	8.9%
37.0%	11,538	12,466	928	8.0%
38.3%	11,418	12,310	893	7.8%
39.5%	11,318	12,249	931	8.2%
40.7%	11,257	12,070	812	7.2%
42.0%	11,200	12,024	824	7.4%
43.2%	11,169	11,927	758	6.8%
44.4%	11,152	11,688	536	4.8%
45.7%	11,141	11,574	432	3.9%
46.9%	11,138	11,499	361	3.2%
48.1%	11,063	11,318	255	2.3%
49.4%	11,002	11,266	264	2.4%
50.6%	10,936	11,205	269	2.5%
51.9%	10,918	11,153	235	2.2%
53.1%	10,755	10,966	212	2.0%
54.3%	10,748	10,918	169	1.6%
55.6%	10,460	10,869	410	3.9%
56.8%	10,290	10,819	528	5.1%
58.0%	10,109	10,730	620	6.1%
59.3%	10,108	10,466	358	3.5%
60.5%	9,696	10,299	603	6.2%
61.7%	9,531	10,260	729	7.6%
63.0%	9,482	10,093	612	6.4%
64.2%	9,400	10,079	679	7.2%
65.4%	9,396	9,983	588	6.3%
66.7%	9,281	9,706	425	4.6%
67.9%	9,271	9,623	352	3.8%
69.1%	9,239	9,553	314	3.4%
70.4%	9,229	9,455	227	2.5%
71.6%	9,207	9,320	113	1.2%
72.8%	9,182	9,313	131	1.4%
74.1%	9,164	9,290	126	1.4%
75.3%	9,149	9,281	133	1.5%
76.5%	9,123	9,278	155	1.7%
77.8%	9,112	9,207	95	1.0%
79.0%	9,077	9,149	72	0.8%
80.2%	9,066	9,078	12	0.1%
81.5%	9,024	9,024	0	0.0%
82.7%	8,995	9,007	13	0.1%
84.0%	8,973	8,995	22	0.2%
85.2%	8,442	8,624	181	2.1%
86.4%	8,003	8,258	255	3.2%
87.7%	7,942	7,723	-219	-2.8%
88.9%	7,702	7,715	14	0.2%
90.1%	7,655	7,710	55	0.7%
91.4%	7,535	7,550	16	0.2%
92.6%	7,496	7,530	34	0.4%
93.8%	7,471	7,523	52	0.7%
95.1%	7,439	7,474	35	0.5%
96.3%	7,435	7,420	-15	-0.2%
97.5%	7,417	7,282	-134	-1.8%
98.8%	7,254	6,764	-490	-6.8%
100.0%	5,947	6,205	257	4.3%

	November			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,737	54,548	-190	-0.3%
1.2%	48,575	47,761	-814	-1.7%
2.5%	47,715	47,100	-616	-1.3%
3.7%	36,242	34,627	-1,615	-4.5%
4.9%	32,262	34,498	2,236	6.9%
6.2%	26,903	26,298	-605	-2.2%
7.4%	25,756	25,776	20	0.1%
8.6%	25,325	24,941	-384	-1.5%
9.9%	21,956	23,331	1,375	6.3%
11.1%	21,954	22,911	957	4.4%
12.3%	20,776	21,318	542	2.6%
13.6%	20,598	21,089	491	2.4%
14.8%	19,626	20,779	1,154	5.9%
16.0%	19,369	20,502	1,132	5.8%
17.3%	19,239	20,096	857	4.5%
18.5%	19,052	20,073	1,022	5.4%
19.8%	18,997	19,875	878	4.6%
21.0%	18,984	19,676	692	3.6%
22.2%	18,774	19,369	596	3.2%
23.5%	18,396	18,809	413	2.2%
24.7%	18,035	18,735	700	3.9%
25.9%	17,954	18,369	415	2.3%
27.2%	17,950	18,067	118	0.7%
28.4%	17,754	17,960	206	1.2%
29.6%	17,626	17,843	217	1.2%
30.9%	16,889	17,820	931	5.5%
32.1%	16,881	17,814	933	5.5%
33.3%	16,769	17,612	842	5.0%
34.6%	16,441	17,545	1,104	6.7%
35.8%	16,074	17,348	1,274	7.9%
37.0%	15,845	16,785	940	5.9%
38.3%	15,815	16,684	869	5.5%
39.5%	15,602	16,533	932	6.0%
40.7%	15,550	16,431	882	5.7%
42.0%	15,404	16,374	971	6.3%
43.2%	15,224	16,343	1,119	7.3%
44.4%	15,197	16,131	934	6.1%
45.7%	15,052	16,056	1,004	6.7%
46.9%	14,715	15,926	1,211	8.2%
48.1%	14,682	15,761	1,079	7.4%
49.4%	14,551	15,740	1,189	8.2%
50.6%	13,676	15,663	1,987	14.5%
51.9%	13,674	15,387	1,713	12.5%
53.1%	13,669	15,257	1,587	11.6%
54.3%	13,255	15,128	1,873	14.1%
55.6%	13,247	15,082	1,835	13.9%
56.8%	13,201	14,955	1,754	13.3%
58.0%	13,050	14,593	1,543	11.8%
59.3%	12,886	14,514	1,628	12.6%
60.5%	12,707	14,278	1,571	12.4%
61.7%	12,187	14,209	2,022	16.6%
63.0%	12,171	14,057	1,887	15.5%
64.2%	12,062	12,402	340	2.8%
65.4%	11,505	12,314	808	7.0%
66.7%	11,222	12,276	1,054	9.4%
67.9%	11,186	12,236	1,049	9.4%
69.1%	10,272	12,215	1,943	18.9%
70.4%	10,200	11,990	1,790	17.5%
71.6%	9,958	11,806	1,848	18.6%
72.8%	9,863	11,024	1,161	11.8%
74.1%	9,763	10,655	892	9.1%
75.3%	9,683	10,519	836	8.6%
76.5%	9,385	10,369	985	10.5%
77.8%	9,339	10,062	723	7.7%
79.0%	9,252	9,992	740	8.0%
80.2%	9,101	9,724	624	6.9%
81.5%	8,849	9,403	554	6.3%
82.7%	8,761	9,390	629	7.2%
84.0%	8,625	9,151	526	6.1%
85.2%	8,582	9,017	435	5.1%
86.4%	8,476	8,777	300	3.5%
87.7%	8,322	8,702	379	4.6%
88.9%	8,130	8,476	347	4.3%
90.1%	7,873	7,913	41	0.5%
91.4%	7,613	7,883	270	3.5%
92.6%	7,222	7,284	62	0.9%
93.8%	7,180	7,143	-37	-0.5%
95.1%	7,147	7,126	-21	-0.3%
96.3%	7,126	7,092	-34	-0.5%
97.5%	6,929	7,037	109	1.6%
98.8%	6,888	6,929	41	0.6%
100.0%	6,442	6,888	446	6.9%

	December			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,389	76,377	-12	0.0%
1.2%	75,019	73,688	-1,331	-1.8%
2.5%	68,488	66,846	-1,641	-2.4%
3.7%	59,787	59,880	93	0.2%
4.9%	58,754	59,446	692	1.2%
6.2%	57,801	57,767	-34	-0.1%
7.4%	50,442	50,732	291	0.6%
8.6%	50,083	49,760	-322	-0.6%
9.9%	49,647	49,521	-126	-0.3%
11.1%	48,048	46,669	-1,380	-2.9%
12.3%	44,685	45,032	346	0.8%
13.6%	43,096	39,260	-3,836	-8.9%
14.8%	40,888	38,371	-2,517	-6.2%
16.0%	36,649	38,030	1,381	3.8%
17.3%	35,052	37,493	2,441	7.0%
18.5%	34,993	35,120	127	0.4%
19.8%	34,964	34,316	-649	-1.9%
21.0%	33,588	30,633	-2,955	-8.8%
22.2%	33,238	29,403	-3,834	-11.5%
23.5%	28,695	26,945	-1,750	-6.1%
24.7%	27,977	24,765	-3,211	-11.5%
25.9%	26,253	24,452	-1,801	-6.9%
27.2%	25,446	24,209	-1,237	-4.9%
28.4%	24,999	22,820	-2,179	-8.7%
29.6%	23,549	21,691	-1,858	-7.9%
30.9%	22,583	19,371	-3,212	-14.2%
32.1%	21,928	19,215	-2,713	-12.4%
33.3%	21,356	18,854	-2,502	-11.7%
34.6%	20,069	18,847	-1,222	-6.1%
35.8%	19,577	18,349	-1,228	-6.3%
37.0%	18,886	18,140	-747	-4.0%
38.3%	18,768	18,086	-682	-3.6%
39.5%	18,634	17,642	-992	-5.3%
40.7%	18,050	17,448	-602	-3.3%
42.0%	17,481	17,410	-71	-0.4%
43.2%	17,257	17,311	54	0.3%
44.4%	17,098	16,098	-1,000	-5.8%
45.7%	17,053	15,680	-1,373	-8.1%
46.9%	16,897	15,659	-1,238	-7.3%
48.1%	16,744	15,546	-1,199	-7.2%
49.4%	15,855	15,512	-343	-2.2%
50.6%	15,692	15,399	-293	-1.9%
51.9%	15,643	15,287	-356	-2.3%
53.1%	15,616	15,255	-361	-2.3%
54.3%	15,576	14,922	-654	-4.2%
55.6%	15,101	14,889	-212	-1.4%
56.8%	14,987	14,811	-177	-1.2%
58.0%	14,775	14,745	-30	-0.2%
59.3%	14,771	14,691	-79	-0.5%
60.5%	14,567	14,630	64	0.4%
61.7%	14,165	14,434	269	1.9%
63.0%	14,127	14,416	289	2.0%
64.2%	14,019	14,368	349	2.5%
65.4%	13,834	14,322	488	3.5%
66.7%	13,778	14,224	446	3.2%
67.9%	13,764	14,157	393	2.9%
69.1%	13,761	14,012	251	1.8%
70.4%	13,669	13,215	-454	-3.3%
71.6%	13,640	13,091	-549	-4.0%
72.8%	13,490	13,085	-405	-3.0%
74.1%	13,435	13,063	-373	-2.8%
75.3%	13,125	13,006	-118	-0.9%
76.5%	13,056	12,975	-81	-0.6%
77.8%	12,887	12,968	82	0.6%
79.0%	12,187	12,942	755	6.2%
80.2%	12,091	12,310	218	1.8%
81.5%	12,022	11,908	-114	-0.9%
82.7%	11,961	11,144	-818	-6.8%
84.0%	11,869	11,084	-785	-6.6%
85.2%	11,858	10,646	-1,213	-10.2%
86.4%	10,333	10,627	294	2.8%
87.7%	10,192	10,376	184	1.8%
88.9%	9,843	10,341	498	5.1%
90.1%	9,621	10,292	670	7.0%
91.4%	9,579	10,192	613	6.4%
92.6%	9,289	10,046	756	8.1%
93.8%	9,264	9,871	606	6.5%
95.1%	8,882	9,672	790	8.9%
96.3%	8,022	9,600	1,577	19.7%
97.5%	7,909	9,557	1,648	20.8%
98.8%	7,206	7,389	184	2.5%
100.0%	7,056	7,095	39	0.6%

	January			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,032	78,340	308	0.4%
1.2%	76,980	76,966	-14	0.0%
2.5%	75,120	74,613	-507	-0.7%
3.7%	72,485	72,489	4	0.0%
4.9%	70,918	70,410	-509	-0.7%
6.2%	68,682	66,627	-2,055	-3.0%
7.4%	65,369	64,876	-493	-0.8%
8.6%	63,337	63,348	11	0.0%
9.9%	62,358	62,752	394	0.6%
11.1%	62,111	61,580	-531	-0.9%
12.3%	59,071	57,380	-1,690	-2.9%
13.6%	58,883	57,102	-1,780	-3.0%
14.8%	58,606	56,998	-1,608	-2.7%
16.0%	58,555	56,868	-1,687	-2.9%
17.3%	57,434	56,706	-728	-1.3%
18.5%	56,890	56,401	-489	-0.9%
19.8%	55,475	54,077	-1,398	-2.5%
21.0%	55,336	53,185	-2,152	-3.9%
22.2%	48,320	47,352	-969	-2.0%
23.5%	47,301	46,760	-541	-1.1%
24.7%	46,762	44,928	-1,834	-3.9%
25.9%	46,322	43,157	-3,165	-6.8%
27.2%	45,288	42,299	-2,989	-6.6%
28.4%	42,879	40,918	-1,961	-4.6%
29.6%	42,639	38,631	-4,008	-9.4%
30.9%	38,630	37,257	-1,373	-3.6%
32.1%	38,259	35,993	-2,266	-5.9%
33.3%	36,857	34,611	-2,245	-6.1%
34.6%	36,738	33,965	-2,772	-7.5%
35.8%	31,543	30,147	-1,397	-4.4%
37.0%	30,792	29,341	-1,451	-4.7%
38.3%	27,650	25,919	-1,732	-6.3%
39.5%	26,809	25,617	-1,192	-4.4%
40.7%	26,767	24,070	-2,697	-10.1%
42.0%	26,687	22,921	-3,766	-14.1%
43.2%	25,572	22,834	-2,738	-10.7%
44.4%	25,473	22,785	-2,689	-10.6%
45.7%	24,903	21,723	-3,180	-12.8%
46.9%	24,545	21,519	-3,026	-12.3%
48.1%	24,044	21,354	-2,690	-11.2%
49.4%	22,653	20,668	-1,984	-8.8%
50.6%	22,532	20,361	-2,170	-9.6%
51.9%	21,971	20,249	-1,722	-7.8%
53.1%	21,683	19,704	-1,979	-9.1%
54.3%	21,491	19,688	-1,803	-8.4%
55.6%	20,936	19,420	-1,516	-7.2%
56.8%	20,559	18,535	-2,023	-9.8%
58.0%	20,529	18,099	-2,430	-11.8%
59.3%	19,623	17,921	-1,702	-8.7%
60.5%	19,118	17,594	-1,524	-8.0%
61.7%	18,833	16,634	-2,199	-11.7%
63.0%	18,683	16,369	-2,314	-12.4%
64.2%	17,841	16,262	-1,580	-8.9%
65.4%	17,771	15,594	-2,178	-12.3%
66.7%	16,596	15,261	-1,335	-8.0%
67.9%	16,596	15,020	-1,576	-9.5%
69.1%	15,892	15,016	-876	-5.5%
70.4%	15,369	15,011	-358	-2.3%
71.6%	15,026	14,997	-30	-0.2%
72.8%	14,694	14,969	275	1.9%
74.1%	13,951	14,968	1,017	7.3%
75.3%	13,831	14,951	1,120	8.1%
76.5%	13,793	14,908	1,116	8.1%
77.8%	13,760	14,898	1,138	8.3%
79.0%	13,618	14,887	1,269	9.3%
80.2%	13,585	14,844	1,258	9.3%
81.5%	13,577	14,804	1,227	9.0%
82.7%	13,426	14,695	1,269	9.5%
84.0%	13,173	14,476	1,302	9.9%
85.2%	13,123	13,748	625	4.8%
86.4%	13,059	13,711	652	5.0%
87.7%	12,553	13,412	859	6.8%
88.9%	12,528	12,892	365	2.9%
90.1%	12,229	12,795	566	4.6%
91.4%	11,690	12,785	1,094	9.4%
92.6%	11,657	12,783	1,126	9.7%
93.8%	11,534	12,487	954	8.3%
95.1%	10,892	12,271	1,379	12.7%
96.3%	10,810	10,696	-114	-1.1%
97.5%	10,351	10,639	288	2.8%
98.8%	10,074	9,679	-395	-3.9%
100.0%	9,911	7,585	-2,326	-23.5%

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,794	76,791	-3	0.0%
1.2%	74,223	74,243	20	0.0%
2.5%	73,784	74,224	440	0.6%
3.7%	72,104	72,105	1	0.0%
4.9%	70,602	69,971	-632	-0.9%
6.2%	69,733	69,525	-208	-0.3%
7.4%	69,197	69,198	1	0.0%
8.6%	68,692	68,715	23	0.0%
9.9%	67,996	68,696	700	1.0%
11.1%	67,424	66,767	-657	-1.0%
12.3%	66,900	66,364	-535	-0.8%
13.6%	65,473	64,492	-981	-1.5%
14.8%	64,556	64,275	-281	-0.4%
16.0%	62,484	62,485	1	0.0%
17.3%	61,933	61,359	-574	-0.9%
18.5%	61,706	60,800	-906	-1.5%
19.8%	60,800	60,300	-500	-0.8%
21.0%	59,574	58,530	-1,044	-1.8%
22.2%	59,070	58,462	-608	-1.0%
23.5%	58,982	57,790	-1,192	-2.0%
24.7%	56,851	57,614	763	1.3%
25.9%	51,946	52,791	845	1.6%
27.2%	51,910	51,681	-229	-0.4%
28.4%	50,675	48,905	-1,770	-3.5%
29.6%	48,909	47,871	-1,038	-2.1%
30.9%	48,464	47,326	-1,138	-2.3%
32.1%	48,124	46,552	-1,573	-3.3%
33.3%	47,880	45,417	-2,463	-5.1%
34.6%	47,858	44,725	-3,133	-6.5%
35.8%	46,829	44,677	-2,151	-4.6%
37.0%	45,171	44,596	-575	-1.3%
38.3%	43,580	44,071	491	1.1%
39.5%	43,526	43,285	-241	-0.6%
40.7%	42,193	41,438	-755	-1.8%
42.0%	41,922	39,409	-2,513	-6.0%
43.2%	39,365	39,381	16	0.0%
44.4%	36,163	34,245	-1,919	-5.3%
45.7%	34,709	32,403	-2,306	-6.6%
46.9%	34,242	31,661	-2,581	-7.5%
48.1%	33,712	30,782	-2,930	-8.7%
49.4%	33,702	28,703	-4,999	-14.8%
50.6%	32,704	28,394	-4,309	-13.2%
51.9%	30,031	27,874	-2,158	-7.2%
53.1%	28,936	27,142	-1,793	-6.2%
54.3%	28,515	25,371	-3,144	-11.0%
55.6%	27,064	24,595	-2,469	-9.1%
56.8%	25,135	24,033	-1,102	-4.4%
58.0%	24,624	22,157	-2,467	-10.0%
59.3%	24,497	21,413	-3,084	-12.6%
60.5%	24,022	20,848	-3,174	-13.2%
61.7%	23,538	20,754	-2,783	-11.8%
63.0%	22,872	20,741	-2,131	-9.3%
64.2%	22,338	19,382	-2,957	-13.2%
65.4%	21,944	19,115	-2,830	-12.9%
66.7%	21,406	18,934	-2,472	-11.5%
67.9%	19,641	18,575	-1,066	-5.4%
69.1%	18,666	18,562	-104	-0.6%
70.4%	18,241	17,754	-487	-2.7%
71.6%	17,802	16,757	-1,045	-5.9%
72.8%	17,801	16,155	-1,646	-9.2%
74.1%	16,997	15,858	-1,139	-6.7%
75.3%	16,618	15,455	-1,164	-7.0%
76.5%	16,589	15,070	-1,519	-9.2%
77.8%	16,268	14,854	-1,415	-8.7%
79.0%	15,202	14,736	-466	-3.1%
80.2%	15,094	14,691	-402	-2.7%
81.5%	15,020	14,381	-640	-4.3%
82.7%	13,913	14,246	333	2.4%
84.0%	13,667	13,627	-39	-0.3%
85.2%	13,414	13,401	-13	-0.1%
86.4%	13,399	13,025	-374	-2.8%
87.7%	13,117	13,011	-106	-0.8%
88.9%	13,028	12,934	-94	-0.7%
90.1%	12,904	12,920	16	0.1%
91.4%	12,520	12,450	-70	-0.6%
92.6%	12,434	12,405	-29	-0.2%
93.8%	11,885	12,160	275	2.3%
95.1%	11,569	12,114	545	4.7%
96.3%	10,326	11,941	1,615	15.6%
97.5%	9,176	9,349	173	1.9%
98.8%	8,732	8,800	68	0.8%
100.0%	8,072	8,320	248	3.1%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,371	81,370	-1	0.0%
1.2%	77,333	77,400	67	0.1%
2.5%	72,349	72,211	-139	-0.2%
3.7%	70,805	70,424	-381	-0.5%
4.9%	68,249	68,248	-1	0.0%
6.2%	68,107	68,109	2	0.0%
7.4%	67,663	66,930	-733	-1.1%
8.6%	66,230	66,461	231	0.3%
9.9%	61,306	61,424	118	0.2%
11.1%	61,102	60,898	-204	-0.3%
12.3%	60,661	60,326	-335	-0.6%
13.6%	59,092	57,958	-1,133	-1.9%
14.8%	57,412	57,400	-12	0.0%
16.0%	57,384	57,375	-9	0.0%
17.3%	55,039	54,769	-271	-0.5%
18.5%	54,767	53,080	-1,687	-3.1%
19.8%	52,762	51,529	-1,233	-2.3%
21.0%	48,528	48,166	-363	-0.7%
22.2%	47,733	46,959	-773	-1.6%
23.5%	46,956	46,852	-104	-0.2%
24.7%	44,697	46,259	1,563	3.5%
25.9%	44,500	43,358	-1,143	-2.6%
27.2%	43,331	41,212	-2,119	-4.9%
28.4%	43,017	40,535	-2,482	-5.8%
29.6%	41,621	38,313	-3,308	-7.9%
30.9%	41,574	36,845	-4,729	-11.4%
32.1%	40,443	36,289	-4,155	-10.3%
33.3%	37,799	33,959	-3,840	-10.2%
34.6%	36,156	33,599	-2,557	-7.1%
35.8%	34,672	33,503	-1,169	-3.4%
37.0%	34,122	33,297	-825	-2.4%
38.3%	33,963	32,307	-1,656	-4.9%
39.5%	33,632	31,684	-1,947	-5.8%
40.7%	32,449	31,538	-912	-2.8%
42.0%	32,269	30,209	-2,060	-6.4%
43.2%	29,803	27,980	-1,823	-6.1%
44.4%	29,086	27,020	-2,066	-7.1%
45.7%	28,903	25,361	-3,542	-12.3%
46.9%	27,956	24,514	-3,442	-12.3%
48.1%	27,700	24,500	-3,200	-11.6%
49.4%	25,304	22,263	-3,041	-12.0%
50.6%	25,156	22,241	-2,914	-11.6%
51.9%	24,930	22,129	-2,801	-11.2%
53.1%	23,700	21,411	-2,289	-9.7%
54.3%	22,920	21,256	-1,663	-7.3%
55.6%	22,379	20,995	-1,385	-6.2%
56.8%	22,277	20,337	-1,939	-8.7%
58.0%	22,258	19,677	-2,581	-11.6%
59.3%	22,243	18,426	-3,817	-17.2%
60.5%	22,025	17,931	-4,094	-18.6%
61.7%	21,282	17,550	-3,732	-17.5%
63.0%	21,005	17,467	-3,538	-16.8%
64.2%	20,217	17,316	-2,901	-14.3%
65.4%	20,183	17,214	-2,969	-14.7%
66.7%	19,912	17,100	-2,813	-14.1%
67.9%	19,673	16,915	-2,758	-14.0%
69.1%	19,616	16,866	-2,750	-14.0%
70.4%	19,312	16,668	-2,644	-13.7%
71.6%	19,248	16,203	-3,046	-15.8%
72.8%	18,990	16,105	-2,885	-15.2%
74.1%	18,589	15,984	-2,604	-14.0%
75.3%	18,144	14,757	-3,387	-18.7%
76.5%	17,176	14,148	-3,027	-17.6%
77.8%	15,686	13,582	-2,105	-13.4%
79.0%	15,644	13,488	-2,156	-13.8%
80.2%	14,414	13,300	-1,114	-7.7%
81.5%	14,368	13,098	-1,270	-8.8%
82.7%	13,338	13,035	-303	-2.3%
84.0%	12,820	13,030	210	1.6%
85.2%	12,411	12,628	217	1.8%
86.4%	12,376	12,608	232	1.9%
87.7%	12,126	12,422	295	2.4%
88.9%	11,529	12,358	829	7.2%
90.1%	11,503	12,162	659	5.7%
91.4%	11,321	10,883	-438	-3.9%
92.6%	11,050	10,758	-292	-2.6%
93.8%	10,657	10,421	-236	-2.2%
95.1%	10,545	9,735	-810	-7.7%
96.3%	8,963	9,570	607	6.8%
97.5%	8,655	9,327	672	7.8%
98.8%	7,975	8,701	727	9.1%
100.0%	7,762	8,478	716	9.2%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,120	72,121	1	0.0%
1.2%	67,572	67,572	0	0.0%
2.5%	64,589	64,987	399	0.6%
3.7%	57,018	57,029	11	0.0%
4.9%	56,211	56,218	7	0.0%
6.2%	54,548	54,544	-4	0.0%
7.4%	54,444	53,567	-877	-1.6%
8.6%	53,572	52,768	-805	-1.5%
9.9%	50,443	49,943	-501	-1.0%
11.1%	49,942	47,712	-2,230	-4.5%
12.3%	45,516	45,392	-124	-0.3%
13.6%	42,694	41,928	-766	-1.8%
14.8%	42,149	41,006	-1,143	-2.7%
16.0%	41,922	39,801	-2,121	-5.1%
17.3%	40,409	39,253	-1,156	-2.9%
18.5%	39,765	38,838	-927	-2.3%
19.8%	38,864	37,075	-1,788	-4.6%
21.0%	37,739	35,108	-2,631	-7.0%
22.2%	34,677	34,696	19	0.1%
23.5%	34,105	33,205	-900	-2.6%
24.7%	33,091	32,795	-295	-0.9%
25.9%	25,221	25,203	-18	-0.1%
27.2%	24,551	25,155	605	2.5%
28.4%	24,410	23,080	-1,330	-5.4%
29.6%	23,949	22,601	-1,348	-5.6%
30.9%	23,775	22,555	-1,219	-5.1%
32.1%	22,975	22,099	-876	-3.8%
33.3%	22,600	21,776	-824	-3.6%
34.6%	22,549	20,898	-1,651	-7.3%
35.8%	21,557	20,812	-745	-3.5%
37.0%	21,088	20,770	-318	-1.5%
38.3%	20,971	20,502	-469	-2.2%
39.5%	20,969	20,231	-738	-3.5%
40.7%	20,879	19,366	-1,513	-7.2%
42.0%	20,137	19,255	-882	-4.4%
43.2%	18,687	19,112	425	2.3%
44.4%	18,189	18,327	139	0.8%
45.7%	18,156	18,091	-65	-0.4%
46.9%	18,074	17,337	-736	-4.1%
48.1%	16,807	16,900	93	0.6%
49.4%	16,657	16,450	-207	-1.2%
50.6%	16,272	16,278	6	0.0%
51.9%	15,863	15,858	-5	0.0%
53.1%	14,935	15,001	65	0.4%
54.3%	14,162	14,164	3	0.0%
55.6%	13,912	14,022	110	0.8%
56.8%	13,807	13,912	104	0.8%
58.0%	13,252	13,785	533	4.0%
59.3%	13,081	13,191	110	0.8%
60.5%	13,042	13,049	7	0.1%
61.7%	13,023	13,013	-10	-0.1%
63.0%	12,725	12,803	78	0.6%
64.2%	12,369	12,392	22	0.2%
65.4%	12,307	12,339	32	0.3%
66.7%	12,294	12,171	-123	-1.0%
67.9%	12,180	12,073	-107	-0.9%
69.1%	12,075	11,872	-203	-1.7%
70.4%	11,720	11,751	30	0.3%
71.6%	11,695	11,697	1	0.0%
72.8%	11,589	11,658	69	0.6%
74.1%	11,530	11,527	-4	0.0%
75.3%	11,430	11,476	46	0.4%
76.5%	11,397	11,463	66	0.6%
77.8%	11,273	11,381	108	1.0%
79.0%	11,263	11,310	47	0.4%
80.2%	11,216	11,217	1	0.0%
81.5%	10,880	10,882	1	0.0%
82.7%	10,379	10,419	39	0.4%
84.0%	10,306	10,388	82	0.8%
85.2%	10,093	10,268	175	1.7%
86.4%	10,035	10,231	196	1.9%
87.7%	9,830	10,215	386	3.9%
88.9%	9,729	10,083	354	3.6%
90.1%	9,711	9,944	233	2.4%
91.4%	9,684	9,887	203	2.1%
92.6%	9,613	9,763	150	1.6%
93.8%	9,558	9,727	169	1.8%
95.1%	9,441	9,684	243	2.6%
96.3%	8,806	8,806	0	0.0%
97.5%	8,710	8,435	-275	-3.2%
98.8%	8,342	8,341	-1	0.0%
100.0%	7,483	7,225	-258	-3.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,706	58,614	-92	-0.2%
1.2%	58,348	57,211	-1,136	-1.9%
2.5%	54,096	54,116	20	0.0%
3.7%	52,730	52,622	-108	-0.2%
4.9%	48,877	48,505	-372	-0.8%
6.2%	44,816	44,564	-252	-0.6%
7.4%	43,116	43,000	-116	-0.3%
8.6%	42,836	42,728	-108	-0.3%
9.9%	41,799	41,804	4	0.0%
11.1%	40,968	41,070	102	0.2%
12.3%	39,077	40,925	1,848	4.7%
13.6%	38,513	38,873	360	0.9%
14.8%	38,298	38,405	106	0.3%
16.0%	31,829	32,836	1,008	3.2%
17.3%	31,368	31,832	464	1.5%
18.5%	28,381	28,378	-3	0.0%
19.8%	27,984	26,759	-1,224	-4.4%
21.0%	27,562	26,691	-870	-3.2%
22.2%	26,125	25,403	-722	-2.8%
23.5%	25,651	23,485	-2,167	-8.4%
24.7%	24,101	22,688	-1,412	-5.9%
25.9%	23,012	22,109	-902	-3.9%
27.2%	20,498	20,513	16	0.1%
28.4%	18,715	18,828	113	0.6%
29.6%	18,358	18,288	-70	-0.4%
30.9%	18,204	17,444	-759	-4.2%
32.1%	17,848	17,147	-701	-3.9%
33.3%	17,443	16,640	-804	-4.6%
34.6%	16,592	16,595	3	0.0%
35.8%	16,428	15,720	-708	-4.3%
37.0%	15,820	15,713	-107	-0.7%
38.3%	15,222	15,591	368	2.4%
39.5%	15,119	14,967	-152	-1.0%
40.7%	14,860	14,861	0	0.0%
42.0%	14,490	14,492	2	0.0%
43.2%	14,299	14,301	2	0.0%
44.4%	13,953	14,108	155	1.1%
45.7%	13,708	13,962	254	1.9%
46.9%	13,693	13,890	198	1.4%
48.1%	13,672	13,681	9	0.1%
49.4%	13,666	13,563	-103	-0.8%
50.6%	13,559	13,170	-389	-2.9%
51.9%	12,567	12,726	159	1.3%
53.1%	12,298	12,296	-2	0.0%
54.3%	12,223	12,228	5	0.0%
55.6%	12,180	12,199	19	0.2%
56.8%	12,113	12,134	21	0.2%
58.0%	12,112	12,119	7	0.1%
59.3%	11,909	11,916	7	0.1%
60.5%	11,834	11,903	69	0.6%
61.7%	11,200	11,838	638	5.7%
63.0%	11,181	11,683	502	4.5%
64.2%	11,043	11,288	245	2.2%
65.4%	10,961	10,922	-38	-0.4%
66.7%	10,921	10,910	-11	-0.1%
67.9%	10,773	10,885	112	1.0%
69.1%	10,759	10,841	82	0.8%
70.4%	10,745	10,782	37	0.3%
71.6%	10,714	10,774	60	0.6%
72.8%	10,711	10,715	4	0.0%
74.1%	10,710	10,679	-31	-0.3%
75.3%	10,385	10,663	278	2.7%
76.5%	10,149	10,386	237	2.3%
77.8%	10,120	10,125	5	0.1%
79.0%	10,080	10,094	14	0.1%
80.2%	9,890	9,993	103	1.0%
81.5%	9,586	9,842	255	2.7%
82.7%	9,553	9,710	157	1.6%
84.0%	9,307	9,552	245	2.6%
85.2%	9,245	9,515	270	2.9%
86.4%	9,240	9,249	10	0.1%
87.7%	9,014	9,140	126	1.4%
88.9%	9,013	8,669	-344	-3.8%
90.1%	8,769	8,621	-149	-1.7%
91.4%	8,279	8,474	195	2.4%
92.6%	7,958	8,279	321	4.0%
93.8%	7,740	8,044	304	3.9%
95.1%	7,141	7,302	161	2.3%
96.3%	6,990	7,004	14	0.2%
97.5%	6,877	6,893	16	0.2%
98.8%	6,769	6,492	-277	-4.1%
100.0%	5,558	5,588	30	0.5%

Table SW-17-9b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

	June				July				August				September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,207	61,065	-142	-0.2%	24,971	26,459	1,489	6.0%	19,779	21,880	2,102	10.6%	31,373	31,372	-1	0.0%
1.2%	51,132	51,565	433	0.8%	24,965	26,267	1,302	5.2%	19,723	20,488	765	3.9%	30,434	31,040	606	2.0%
2.5%	37,909	38,906	997	2.6%	24,847	26,147	1,300	5.2%	19,566	19,862	296	1.5%	30,321	30,634	314	1.0%
3.7%	37,649	38,689	1,040	2.8%	24,793	26,054	1,261	5.1%	19,045	19,324	279	1.5%	30,116	30,362	246	0.8%
4.9%	35,934	38,382	2,448	6.8%	24,526	26,013	1,487	6.1%	18,442	19,188	746	4.0%	30,019	30,187	168	0.6%
6.2%	35,171	35,639	468	1.3%	24,526	25,914	1,388	5.7%	18,371	19,168	797	4.3%	29,810	30,183	373	1.3%
7.4%	34,371	34,845	474	1.4%	24,489	25,583	1,094	4.5%	18,220	19,147	927	5.1%	29,770	30,025	256	0.9%
8.6%	29,602	30,703	1,102	3.7%	24,000	25,544	1,545	6.4%	18,176	19,050	874	4.8%	29,476	29,957	481	1.6%
9.9%	26,081	25,942	-139	-0.5%	23,989	25,132	1,143	4.8%	18,042	18,941	898	5.0%	29,436	29,878	441	1.5%
11.1%	24,659	25,417	758	3.1%	23,926	25,126	1,199	5.0%	17,952	18,775	823	4.6%	29,392	29,845	453	1.5%
12.3%	24,585	24,207	-378	-1.5%	23,917	25,003	1,086	4.5%	17,779	18,728	949	5.3%	29,273	29,811	538	1.8%
13.6%	23,898	22,691	-1,206	-5.0%	23,821	24,828	1,006	4.2%	17,769	18,559	791	4.4%	29,249	29,541	293	1.0%
14.8%	22,222	22,429	206	0.9%	23,814	24,793	979	4.1%	17,560	18,507	947	5.4%	29,063	29,490	428	1.5%
16.0%	20,986	21,929	942	4.5%	23,788	24,708	920	3.9%	17,489	18,184	695	4.0%	28,883	29,333	450	1.6%
17.3%	20,680	21,697	1,018	4.9%	23,565	24,529	964	4.1%	17,306	18,102	796	4.6%	28,265	29,241	976	3.5%
18.5%	20,624	21,057	433	2.1%	23,549	24,495	946	4.0%	17,265	18,098	833	4.8%	27,830	28,935	1,106	4.0%
19.8%	20,400	20,342	-58	-0.3%	23,175	24,271	1,096	4.7%	17,220	18,097	876	5.1%	27,046	28,880	1,834	6.8%
21.0%	19,312	19,642	330	1.7%	22,875	24,235	1,360	5.9%	17,204	18,008	803	4.7%	26,223	28,811	2,589	9.9%
22.2%	18,254	18,721	467	2.6%	22,792	23,741	950	4.2%	17,128	18,000	872	5.1%	26,199	28,400	2,201	8.4%
23.5%	16,703	17,260	557	3.3%	22,625	23,740	1,115	4.9%	17,111	17,853	742	4.3%	26,170	28,265	2,095	8.0%
24.7%	16,310	16,806	496	3.0%	22,577	23,628	1,051	4.7%	17,108	17,778	671	3.9%	25,656	28,261	2,605	10.2%
25.9%	15,792	16,294	502	3.2%	22,427	23,590	1,164	5.2%	17,106	17,768	661	3.9%	24,169	26,202	2,034	8.4%
27.2%	15,770	16,265	495	3.1%	22,363	23,382	1,019	4.6%	17,061	17,748	686	4.0%	24,103	23,910	-192	-0.8%
28.4%	15,523	16,227	704	4.5%	22,240	22,729	489	2.2%	17,008	17,731	723	4.3%	23,702	23,756	53	0.2%
29.6%	15,463	15,871	408	2.6%	21,879	22,661	782	3.6%	17,004	17,514	510	3.0%	23,484	23,578	94	0.4%
30.9%	15,042	15,560	518	3.4%	21,688	22,638	951	4.4%	16,996	17,404	408	2.4%	22,818	23,330	513	2.2%
32.1%	14,987	15,437	450	3.0%	21,639	22,617	978	4.5%	16,913	17,295	382	2.3%	22,405	22,717	312	1.4%
33.3%	14,740	15,406	666	4.5%	21,302	22,497	1,195	5.6%	16,866	17,283	417	2.5%	22,226	22,452	226	1.0%
34.6%	14,739	15,294	555	3.8%	21,218	22,462	1,244	5.9%	16,848	17,043	195	1.2%	22,129	22,248	119	0.5%
35.8%	14,701	15,288	588	4.0%	20,866	22,347	1,480	7.1%	16,813	16,986	174	1.0%	21,405	21,963	558	2.6%
37.0%	14,561	15,163	602	4.1%	20,853	21,967	1,115	5.3%	16,774	16,913	139	0.8%	21,019	21,722	704	3.3%
38.3%	14,525	15,028	503	3.5%	20,849	21,959	1,110	5.3%	16,757	16,843	86	0.5%	20,836	21,407	571	2.7%
39.5%	14,511	14,958	447	3.1%	20,831	21,780	950	4.6%	16,678	16,825	146	0.9%	20,697	21,104	407	2.0%
40.7%	14,501	14,441	-61	-0.4%	20,330	21,544	1,214	6.0%	16,638	16,819	181	1.1%	20,134	20,647	513	2.5%
42.0%	14,037	14,209	172	1.2%	20,262	21,354	1,092	5.4%	16,595	16,728	133	0.8%	19,988	20,585	597	3.0%
43.2%	13,763	14,037	274	2.0%	20,211	21,205	994	4.9%	16,415	16,671	256	1.6%	19,640	20,200	560	2.9%
44.4%	13,721	14,011	290	2.1%	20,202	21,190	988	4.9%	16,338	16,657	319	2.0%	16,875	19,958	3,083	18.3%
45.7%	13,653	13,985	332	2.4%	20,184	21,102	918	4.5%	16,313	16,626	312	1.9%	16,599	19,317	2,718	16.4%
46.9%	13,603	13,965	363	2.7%	20,094	21,096	1,002	5.0%	16,264	16,596	332	2.0%	14,453	15,198	745	5.2%
48.1%	13,570	13,840	270	2.0%	20,048	20,990	942	4.7%	16,017	16,573	556	3.5%	13,809	14,592	783	5.7%
49.4%	13,511	13,776	264	2.0%	20,042	20,969	927	4.6%	15,971	16,532	561	3.5%	13,720	14,389	669	4.9%
50.6%	13,367	13,722	355	2.7%	20,000	20,943	943	4.7%	15,958	16,468	511	3.2%	13,529	14,068	539	4.0%
51.9%	13,274	13,704	431	3.2%	19,988	20,881	893	4.5%	15,933	16,416	483	3.0%	13,364	13,975	611	4.6%
53.1%	13,172	13,606	434	3.3%	19,910	20,841	931	4.7%	15,897	16,267	370	2.3%	13,040	13,943	903	6.9%
54.3%	12,958	13,555	596	4.6%	19,883	20,801	918	4.6%	15,893	16,237	344	2.2%	12,725	13,773	1,047	8.2%
55.6%	12,932	13,491	559	4.3%	19,840	20,790	950	4.8%	15,754	16,117	363	2.3%	12,594	13,700	1,105	8.8%
56.8%	12,913	13,470	558	4.3%	19,829	20,779	950	4.8%	15,683	15,966	282	1.8%	12,571	13,561	990	7.9%
58.0%	12,905	13,291	386	3.0%	19,802	20,673	871	4.4%	15,681	15,954	274	1.7%	12,566	13,503	936	7.5%
59.3%	12,848	13,224	376	2.9%	19,675	20,351	677	3.4%	15,499	15,752	253	1.6%	12,525	13,390	865	6.9%
60.5%	12,695	13,214	519	4.1%	19,532	20,111	579	3.0%	15,481	15,677	196	1.3%	12,495	13,291	796	6.4%
61.7%	12,692	13,200	508	4.0%	19,505	20,053	549	2.8%	15,455	15,670	215	1.4%	12,443	13,282	839	6.7%
63.0%	12,643	13,025	382	3.0%	19,016	20,009	993	5.2%	15,450	15,656	206	1.3%	12,162	13,142	979	8.1%
64.2%	12,631	12,948	317	2.5%	18,935	19,891	956	5.1%	15,275	15,497	222	1.5%	12,123	13,009	886	7.3%
65.4%	12,621	12,855	234	1.9%	18,760	19,694	934	5.0%	15,227	15,482	255	1.7%	12,024	12,693	669	5.6%
66.7%	12,528	12,754	226	1.8%	18,756	19,654	898	4.8%	15,220	15,275	55	0.4%	11,888	12,567	680	5.7%
67.9%	12,456	12,720	264	2.1%	18,614	19,624	1,010	5.4%	15,132	15,246	114	0.8%	11,884	12,536	652	5.5%
69.1%	12,449	12,654	206	1.7%	18,568	19,046	478	2.6%	14,933	15,223	290	1.9%	11,733	12,529	797	6.8%
70.4%	12,281	12,610	329	2.7%	18,506	18,965	459	2.5%	14,920	14,931	11	0.1%	11,572	12,507	934	8.1%
71.6%	12,277	12,552	275	2.2%	17,888	18,889	1,000	5.6%	14,900	14,916	16	0.1%	11,541	12,350	809	7.0%
72.8%	12,218	12,472	254	2.1%	17,675	18,435	760	4.3%	14,865	14,822	-44	-0.3%	11,403	12,250	847	7.4%
74.1%	12,184	12,460	276	2.3%	17,466	18,423	958	5.5%	14,841	14,734	-107	-0.7%	11,255	12,165	909	8.1%
75.3%	11,997	12,444	447	3.7%	17,435	18,108	672	3.9%	14,441	14,689	249	1.7%	11,170	12,150	980	8.8%
76.5%	11,993	12,352	358	3.0%	17,388	17,727	340	2.0%	14,391	14,483	92	0.6%	11,086	12,105	1,019	9.2%
77.8%	11,921	12,178	257	2.2%	17,318	17,516	198	1.1%	14,235	14,446	211	1.5%	10,874	11,925	1,050	9.7%
79.0%	11,872	12,150	278	2.3%	17,272	17,378	106	0.6%	13,587	14,231	644	4.7%	10,741	11,740	999	9.3%
80.2%	11,538	11,955	417	3.6%	16,726	17,272	546	3.3%	13,252	14,152	900	6.8%	10,704	11,603	899	8.4%
81.5%	11,491	11,821	330	2.9%	16,293	16,820	526	3.2%	13,166	13,885	720	5.5%	10,365	11,554	1,189	11.5%
82.7%	11,478	11,796	318	2.8%	16,020	16,593	572	3.6%	12,821	13,749	928	7.2%	10,334	11,544	1,210	11.7%
84.0%	11,262	11,593	331	2.9%	15,894	16,119	225	1.4%	12,709	13,742	1,033	8.1%	9,750	11,350	1,599	16.4%
85.2%	11,167	11,538	371	3.3%	15,559	16,032	472	3.0%	12,291	13,529	1,238	10.1%	9,208	11,256	2,047	22.2%
86.4%	11,035	11,386	350	3.2%	15,159	15,698	540	3.6%	10,699	13,351	2,651	24.8%	8,470	11,215	2,745	32.4%
87.7%	10,992	11,384	392	3.6%	15,132	15,547	415	2.7%	10,276	12,813	2,537	24.7%	7,901	10,881	2,980	37.7%
88.9%	10,893	11,058	165	1.5%	14,620	15,529	909	6.2%	9,514	12,810	3,297	34.7%	7,794	9,490	1,696	21.8%
90.1%	10,713	10,997	284	2.7%	14,379	15,294	915	6.4%	9,275	12,767	3,491	37.6%	7,769	8,449	680	8.7%
91.4%	10,594	10,457	-137	-1.3%	14,009	15,158	1,148	8.2%	8,942	12,108	3,166	35.4%	7,674	8,372	698	9.1%
92.6%	9,740	9,784	44	0.5%	13,996	14,009	13	0.1%	8,813	11,998	3,185	36.1%	7,656	7,791	134	1.8%
93.8%	9,457	9,457	0	0.0%	13,802	13,540	-262	-1.9%	8,467	9,971	1,504	17.8%	7,627	7,733	106	1.4%
95.1%	9,447	9,396	-51	-0.5%	12,956	13,532	576	4.4%	7,696	9,563	1,868	24.3%	7,581	7,643	61	0.8%
96.3%	9,365	9,388	23	0.2%	12,925	13,158	234	1.8%	7,546	9,125	1,579	20.9%	7,579	7,579	0	0.0%
97.5%	8,752	9,141	389	4.4%	11,270	12,702	1,432	12.7%	7,380	8,022	642	8.7%	7,474	7,578	104	1.4%
98.8%	8,623	8,624	0	0.0%	9,091	12,015	2,924	32.2%	7,201	7,448	247	3.4%	7,443	7,474	31	0.4%
100.0%	8,561	8,528	-33	-0.4%	8,382	11,163	2,781	33.2%	7,157	7,401	244	3.4%	7,279	7,202	-77	-1.1%

Table SW-18-9a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,767	1,826	1,968	2,170	2,381	2,591	2,864	3,002	2,885	2,399	2,098	1,831
Alternative D	1,809	1,867	2,023	2,222	2,430	2,639	2,916	3,053	2,941	2,457	2,145	1,863
Difference	41	41	55	52	49	48	52	52	56	58	47	32
Percent Difference[3]	2.3%	2.2%	2.8%	2.4%	2.1%	1.8%	1.8%	1.7%	1.9%	2.4%	2.2%	1.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	2,377	2,423	2,485	2,679	2,860	2,945	3,304	3,508	3,483	3,125	2,927	2,473
Alternative D	2,354	2,405	2,495	2,693	2,865	2,945	3,304	3,508	3,478	3,116	2,917	2,440
Difference	-23	-18	10	14	5	0	0	0	-5	-9	-10	-33
Percent Difference	-1.0%	-0.7%	0.4%	0.5%	0.2%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.4%	-1.3%
Above Normal (15%)												
No Action Alternative	1,965	2,024	2,128	2,296	2,610	2,930	3,292	3,498	3,393	2,821	2,434	2,039
Alternative D	1,963	2,017	2,162	2,310	2,629	2,947	3,309	3,498	3,372	2,802	2,440	2,025
Difference	-2	-7	33	14	19	17	17	0	-21	-20	6	-15
Percent Difference	-0.1%	-0.4%	1.6%	0.6%	0.7%	0.6%	0.5%	0.0%	-0.6%	-0.7%	0.2%	-0.7%
Below Normal (17%)												
No Action Alternative	1,867	1,939	2,150	2,078	2,334	2,593	2,969	3,191	3,082	2,490	2,081	1,911
Alternative D	2,005	2,070	2,241	2,190	2,439	2,683	3,062	3,285	3,162	2,576	2,191	2,037
Difference	138	131	91	112	105	90	93	94	80	86	110	126
Percent Difference	7.4%	6.7%	4.2%	5.4%	4.5%	3.5%	3.1%	2.9%	2.6%	3.4%	5.3%	6.6%
Dry (22%)												
No Action Alternative	1,242	1,331	1,579	1,842	2,069	2,386	2,578	2,621	2,403	1,827	1,422	1,297
Alternative D	1,325	1,414	1,682	1,902	2,131	2,460	2,658	2,710	2,520	1,970	1,530	1,374
Difference	83	82	103	59	62	74	80	89	117	143	107	77
Percent Difference	6.7%	6.2%	6.5%	3.2%	3.0%	3.1%	3.1%	3.4%	4.9%	7.8%	7.6%	5.9%
Critical (15%)												
No Action Alternative	921	947	1,060	1,542	1,636	1,792	1,790	1,760	1,573	1,154	1,000	941
Alternative D	969	996	1,117	1,630	1,729	1,884	1,897	1,869	1,718	1,273	1,045	983
Difference	48	50	57	88	94	92	107	109	145	119	45	42
Percent Difference	5.2%	5.3%	5.4%	5.7%	5.7%	5.1%	6.0%	6.2%	9.2%	10.3%	4.5%	4.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

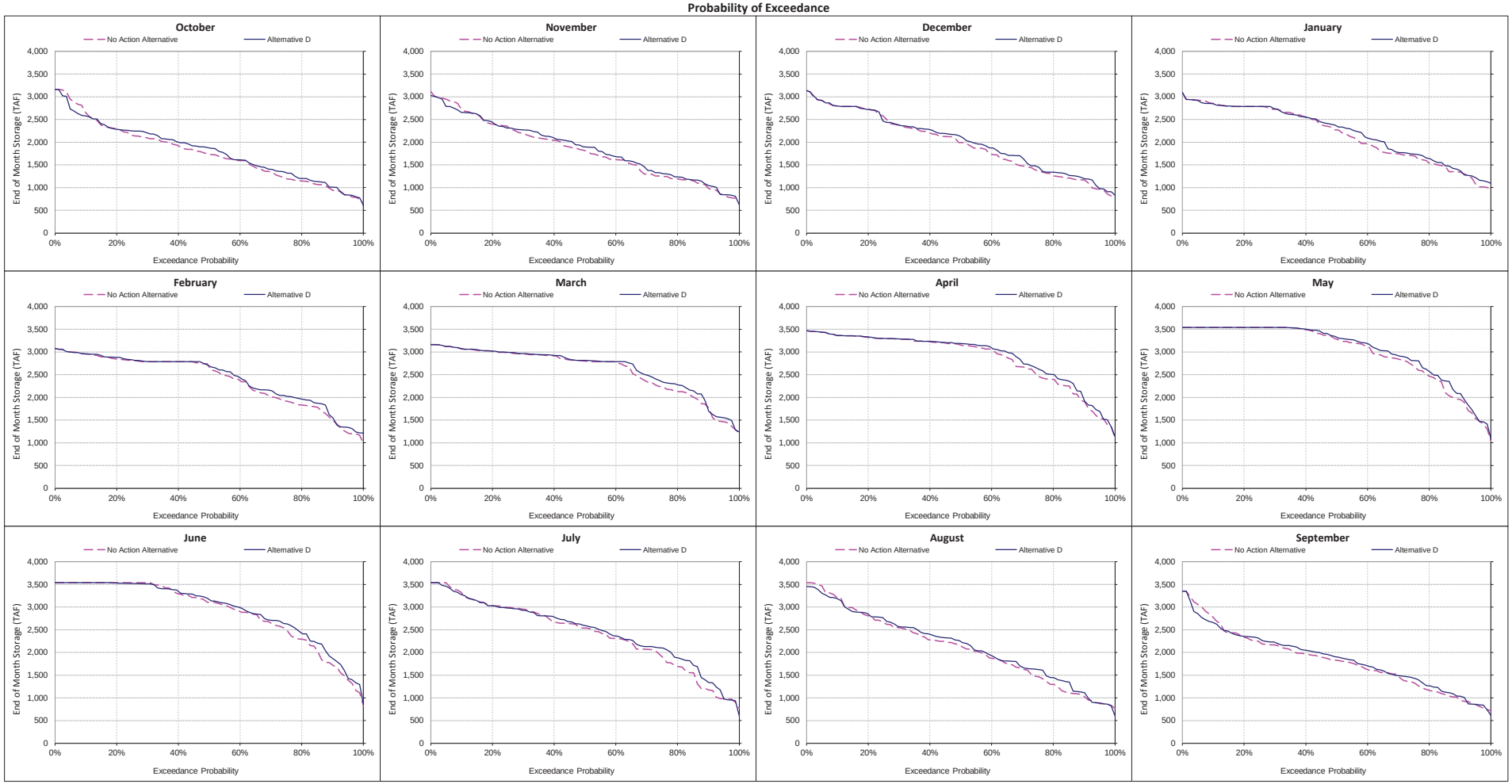

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,149	3,020	-129	-4.1%
3.7%	3,104	3,010	-94	-3.0%
4.9%	2,951	2,732	-219	-7.4%
6.2%	2,888	2,689	-199	-6.9%
7.4%	2,836	2,632	-204	-7.2%
8.6%	2,813	2,590	-223	-7.9%
9.9%	2,658	2,583	-75	-2.8%
11.1%	2,571	2,557	-14	-0.5%
12.3%	2,516	2,515	-1	0.0%
13.6%	2,487	2,513	27	1.1%
14.8%	2,382	2,415	33	1.4%
16.0%	2,342	2,382	40	1.7%
17.3%	2,327	2,327	0	0.0%
18.5%	2,311	2,298	-12	-0.5%
19.8%	2,294	2,292	-1	-0.1%
21.0%	2,275	2,275	0	0.0%
22.2%	2,230	2,268	38	1.7%
23.5%	2,217	2,261	44	2.0%
24.7%	2,157	2,252	95	4.4%
25.9%	2,140	2,247	107	5.0%
27.2%	2,133	2,242	109	5.1%
28.4%	2,109	2,237	128	6.0%
29.6%	2,102	2,209	107	5.1%
30.9%	2,080	2,181	101	4.9%
32.1%	2,079	2,176	97	4.7%
33.3%	2,066	2,147	81	3.9%
34.6%	2,018	2,076	58	2.9%
35.8%	2,002	2,070	67	3.4%
37.0%	2,000	2,063	63	3.1%
38.3%	1,953	2,053	100	5.1%
39.5%	1,939	2,013	74	3.8%
40.7%	1,897	1,988	91	4.8%
42.0%	1,854	1,987	133	7.2%
43.2%	1,845	1,958	113	6.1%
44.4%	1,843	1,922	79	4.3%
45.7%	1,805	1,918	113	6.3%
46.9%	1,797	1,900	103	5.7%
48.1%	1,770	1,899	129	7.3%
49.4%	1,740	1,883	143	8.2%
50.6%	1,724	1,864	140	8.1%
51.9%	1,723	1,862	139	8.1%
53.1%	1,694	1,798	104	6.1%
54.3%	1,665	1,777	112	6.7%
55.6%	1,634	1,734	100	6.1%
56.8%	1,630	1,650	20	1.2%
58.0%	1,623	1,615	-8	-0.5%
59.3%	1,599	1,615	16	1.0%
60.5%	1,599	1,606	7	0.4%
61.7%	1,592	1,604	12	0.8%
63.0%	1,512	1,544	32	2.1%
64.2%	1,474	1,506	32	2.2%
65.4%	1,421	1,482	60	4.2%
66.7%	1,404	1,459	55	3.9%
67.9%	1,363	1,447	85	6.2%
69.1%	1,356	1,407	51	3.7%
70.4%	1,341	1,399	58	4.4%
71.6%	1,281	1,368	88	6.8%
72.8%	1,249	1,356	107	8.6%
74.1%	1,226	1,350	124	10.1%
75.3%	1,191	1,317	126	10.6%
76.5%	1,181	1,316	135	11.4%
77.8%	1,164	1,250	86	7.4%
79.0%	1,158	1,206	48	4.1%
80.2%	1,143	1,200	57	5.0%
81.5%	1,138	1,199	60	5.3%
82.7%	1,118	1,159	41	3.7%
84.0%	1,083	1,137	54	5.0%
85.2%	1,065	1,131	66	6.2%
86.4%	1,065	1,121	57	5.3%
87.7%	1,043	1,114	71	6.8%
88.9%	988	1,012	23	2.4%
90.1%	939	1,010	71	7.6%
91.4%	927	1,005	78	8.4%
92.6%	921	897	-24	-2.6%
93.8%	845	842	-3	-0.3%
95.1%	844	839	-6	-0.7%
96.3%	792	830	38	4.7%
97.5%	788	798	10	1.3%
98.8%	741	776	34	4.6%
100.0%	668	601	-66	-9.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,025	-94	-3.0%
1.2%	3,008	3,008	0	0.0%
2.5%	2,981	2,981	0	0.0%
3.7%	2,969	2,950	-19	-0.6%
4.9%	2,950	2,788	-162	-5.5%
6.2%	2,909	2,788	-121	-4.1%
7.4%	2,891	2,752	-139	-4.8%
8.6%	2,859	2,713	-147	-5.1%
9.9%	2,734	2,661	-73	-2.7%
11.1%	2,679	2,651	-28	-1.0%
12.3%	2,670	2,649	-21	-0.8%
13.6%	2,631	2,641	9	0.4%
14.8%	2,624	2,623	-1	0.0%
16.0%	2,561	2,577	17	0.7%
17.3%	2,462	2,477	15	0.6%
18.5%	2,424	2,474	50	2.1%
19.8%	2,403	2,449	46	1.9%
21.0%	2,391	2,391	0	0.0%
22.2%	2,383	2,349	-34	-1.4%
23.5%	2,360	2,345	-16	-0.7%
24.7%	2,358	2,313	-45	-1.9%
25.9%	2,274	2,310	36	1.6%
27.2%	2,260	2,288	28	1.2%
28.4%	2,219	2,278	59	2.7%
29.6%	2,195	2,274	79	3.6%
30.9%	2,164	2,266	101	4.7%
32.1%	2,138	2,261	123	5.8%
33.3%	2,113	2,236	123	5.8%
34.6%	2,101	2,224	123	5.9%
35.8%	2,081	2,155	74	3.6%
37.0%	2,073	2,134	61	3.0%
38.3%	2,060	2,126	65	3.2%
39.5%	2,045	2,104	58	2.9%
40.7%	2,038	2,068	30	1.5%
42.0%	2,013	2,054	42	2.1%
43.2%	1,920	2,042	122	6.4%
44.4%	1,904	2,025	122	6.4%
45.7%	1,881	2,017	136	7.2%
46.9%	1,878	1,943	66	3.5%
48.1%	1,843	1,941	98	5.3%
49.4%	1,827	1,900	73	4.0%
50.6%	1,805	1,893	87	4.8%
51.9%	1,748	1,887	139	8.0%
53.1%	1,737	1,886	149	8.6%
54.3%	1,709	1,806	97	5.7%
55.6%	1,680	1,793	113	6.7%
56.8%	1,669	1,730	60	3.6%
58.0%	1,624	1,722	99	6.1%
59.3%	1,617	1,694	77	4.8%
60.5%	1,614	1,675	61	3.8%
61.7%	1,609	1,674	66	4.1%
63.0%	1,608	1,593	-15	-0.9%
64.2%	1,535	1,589	54	3.5%
65.4%	1,509	1,572	64	4.2%
66.7%	1,497	1,541	43	2.9%
67.9%	1,373	1,519	146	10.6%
69.1%	1,301	1,466	165	12.6%
70.4%	1,295	1,377	82	6.4%
71.6%	1,295	1,374	79	6.1%
72.8%	1,259	1,331	72	5.7%
74.1%	1,258	1,330	72	5.7%
75.3%	1,246	1,306	61	4.9%
76.5%	1,244	1,299	55	4.4%
77.8%	1,199	1,285	86	7.2%
79.0%	1,193	1,242	49	4.1%
80.2%	1,188	1,234	46	3.9%
81.5%	1,175	1,229	54	4.6%
82.7%	1,170	1,188	19	1.6%
84.0%	1,167	1,178	11	0.9%
85.2%	1,153	1,168	16	1.4%
86.4%	1,099	1,166	67	6.1%
87.7%	1,086	1,146	60	5.5%
88.9%	1,066	1,081	15	1.4%
90.1%	976	1,047	71	7.2%
91.4%	956	1,027	71	7.4%
92.6%	945	1,006	61	6.5%
93.8%	861	847	-14	-1.6%
95.1%	837	846	9	1.0%
96.3%	794	845	50	6.3%
97.5%	779	830	52	6.7%
98.8%	766	809	42	5.5%
100.0%	717	626	-91	-12.7%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,139	3,139	0	0.0%
1.2%	3,107	3,107	0	0.0%
2.5%	2,973	3,007	35	1.2%
3.7%	2,930	2,930	0	0.0%
4.9%	2,918	2,918	0	0.0%
6.2%	2,866	2,867	1	0.0%
7.4%	2,841	2,866	25	0.9%
8.6%	2,806	2,806	0	0.0%
9.9%	2,800	2,800	0	0.0%
11.1%	2,788	2,788	0	0.0%
12.3%	2,788	2,788	0	0.0%
13.6%	2,788	2,788	0	0.0%
14.8%	2,788	2,788	0	0.0%
16.0%	2,788	2,788	0	0.0%
17.3%	2,769	2,747	-22	-0.8%
18.5%	2,739	2,737	-2	-0.1%
19.8%	2,737	2,721	-16	-0.6%
21.0%	2,707	2,715	8	0.3%
22.2%	2,698	2,704	7	0.3%
23.5%	2,607	2,662	55	2.1%
24.7%	2,586	2,467	-119	-4.6%
25.9%	2,508	2,436	-72	-2.9%
27.2%	2,405	2,433	28	1.2%
28.4%	2,397	2,405	8	0.3%
29.6%	2,379	2,383	4	0.2%
30.9%	2,359	2,364	6	0.2%
32.1%	2,327	2,358	31	1.3%
33.3%	2,316	2,342	26	1.1%
34.6%	2,299	2,341	42	1.8%
35.8%	2,283	2,303	21	0.9%
37.0%	2,246	2,302	56	2.5%
38.3%	2,239	2,287	48	2.1%
39.5%	2,216	2,284	68	3.1%
40.7%	2,183	2,263	79	3.6%
42.0%	2,174	2,217	43	2.0%
43.2%	2,135	2,195	60	2.8%
44.4%	2,127	2,195	68	3.2%
45.7%	2,120	2,182	61	2.9%
46.9%	2,120	2,172	52	2.5%
48.1%	2,087	2,166	80	3.8%
49.4%	1,993	2,145	151	7.6%
50.6%	1,992	2,101	109	5.5%
51.9%	1,974	2,032	58	2.9%
53.1%	1,919	2,009	89	4.7%
54.3%	1,870	1,980	111	5.9%
55.6%	1,868	1,962	94	5.0%
56.8%	1,864	1,956	91	4.9%
58.0%	1,841	1,919	78	4.2%
59.3%	1,740	1,878	138	7.9%
60.5%	1,724	1,873	149	8.7%
61.7%	1,719	1,823	104	6.1%
63.0%	1,631	1,752	122	7.5%
64.2%	1,623	1,747	125	7.7%
65.4%	1,598	1,708	110	6.9%
66.7%	1,580	1,707	127	8.1%
67.9%	1,511	1,706	194	12.8%
69.1%	1,485	1,701	217	14.6%
70.4%	1,473	1,630	157	10.7%
71.6%	1,459	1,531	73	5.0%
72.8%	1,443	1,480	36	2.5%
74.1%	1,389	1,478	89	6.4%
75.3%	1,362	1,446	84	6.2%
76.5%	1,340	1,356	16	1.2%
77.8%	1,315	1,341	26	2.0%
79.0%	1,312	1,340	28	2.1%
80.2%	1,254	1,338	84	6.7%
81.5%	1,244	1,330	85	6.9%
82.7%	1,236	1,323	87	7.1%
84.0%	1,211	1,305	94	7.8%
85.2%	1,209	1,268	59	4.8%
86.4%	1,187	1,261	74	6.2%
87.7%	1,175	1,249	74	6.3%
88.9%	1,173	1,231	58	4.9%
90.1%	1,167	1,194	26	2.2%
91.4%	1,099	1,189	91	8.2%
92.6%	994	1,168	174	17.5%
93.8%	971	1,050	79	8.1%
95.1%	968	976	8	0.9%
96.3%	942	972	30	3.2%
97.5%	860	910	50	5.9%
98.8%	816	910	94	11.6%
100.0%	780	831	51	6.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,091	0	0.0%
1.2%	2,943	2,943	0	0.0%
2.5%	2,940	2,940	0	0.0%
3.7%	2,937	2,924	-13	-0.4%
4.9%	2,924	2,922	-2	-0.1%
6.2%	2,922	2,870	-52	-1.8%
7.4%	2,911	2,855	-56	-1.9%
8.6%	2,870	2,854	-16	-0.6%
9.9%	2,854	2,846	-8	-0.3%
11.1%	2,846	2,813	-33	-1.2%
12.3%	2,813	2,809	-4	-0.1%
13.6%	2,809	2,800	-9	-0.3%
14.8%	2,788	2,797	9	0.3%
16.0%	2,788	2,792	4	0.1%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,787	2,788	1	0.0%
27.2%	2,774	2,788	14	0.5%
28.4%	2,729	2,787	58	2.1%
29.6%	2,727	2,742	16	0.6%
30.9%	2,725	2,728	3	0.1%
32.1%	2,691	2,672	-19	-0.7%
33.3%	2,660	2,634	-27	-1.0%
34.6%	2,655	2,611	-44	-1.7%
35.8%	2,629	2,609	-20	-0.8%
37.0%	2,606	2,598	-8	-0.3%
38.3%	2,595	2,564	-31	-1.2%
39.5%	2,551	2,563	12	0.5%
40.7%	2,539	2,538	0	0.0%
42.0%	2,503	2,521	18	0.7%
43.2%	2,496	2,511	14	0.6%
44.4%	2,394	2,457	64	2.7%
45.7%	2,367	2,428	62	2.6%
46.9%	2,349	2,412	63	2.7%
48.1%	2,333	2,399	66	2.8%
49.4%	2,273	2,379	106	4.7%
50.6%	2,265	2,335	70	3.1%
51.9%	2,201	2,334	133	6.0%
53.1%	2,177	2,309	132	6.1%
54.3%	2,126	2,296	171	8.0%
55.6%	2,101	2,256	156	7.4%
56.8%	2,044	2,236	192	9.4%
58.0%	1,970	2,210	240	12.2%
59.3%	1,969	2,109	139	7.1%
60.5%	1,961	2,085	124	6.3%
61.7%	1,917	2,061	144	7.5%
63.0%	1,879	2,052	173	9.2%
64.2%	1,791	2,024	233	13.0%
65.4%	1,774	2,009	235	13.2%
66.7%	1,757	1,854	97	5.5%
67.9%	1,756	1,835	79	4.5%
69.1%	1,749	1,787	38	2.2%
70.4%	1,744	1,771	28	1.6%
71.6%	1,721	1,771	50	2.9%
72.8%	1,712	1,759	48	2.8%
74.1%	1,708	1,744	35	2.1%
75.3%	1,696	1,738	42	2.5%
76.5%	1,624	1,723	100	6.1%
77.8%	1,614	1,701	88	5.4%
79.0%	1,598	1,656	58	3.6%
80.2%	1,522	1,638	116	7.6%
81.5%	1,522	1,586	65	4.2%
82.7%	1,505	1,552	47	3.1%
84.0%	1,483	1,550	68	4.6%
85.2%	1,474	1,477	3	0.2%
86.4%	1,352	1,477	125	9.2%
87.7%	1,349	1,422	72	5.4%
88.9%	1,349	1,406	57	4.3%
90.1%	1,341	1,369	28	2.1%
91.4%	1,298	1,277	-21	-1.6%
92.6%	1,275	1,268	-7	-0.6%
93.8%	1,214	1,255	40	3.3%
95.1%	1,080	1,219	139	12.8%
96.3%	1,018	1,163	145	14.2%
97.5%	1,018	1,148	130	12.8%
98.8%	1,005	1,131	126	12.5%
100.0%	963	1,094	131	13.6%

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,078	0	0.0%
1.2%	3,059	3,059	0	0.0%
2.5%	3,057	3,057	0	0.0%
3.7%	3,009	3,009	0	0.0%
4.9%	2,997	2,997	0	0.0%
6.2%	2,996	2,987	-9	-0.3%
7.4%	2,987	2,986	-1	0.0%
8.6%	2,962	2,966	4	0.1%
9.9%	2,952	2,962	10	0.3%
11.1%	2,951	2,952	1	0.0%
12.3%	2,934	2,951	17	0.6%
13.6%	2,925	2,948	23	0.8%
14.8%	2,895	2,925	30	1.0%
16.0%	2,890	2,890	0	0.0%
17.3%	2,884	2,888	4	0.1%
18.5%	2,856	2,886	30	1.1%
19.8%	2,845	2,884	39	1.4%
21.0%	2,839	2,884	45	1.6%
22.2%	2,832	2,856	24	0.8%
23.5%	2,820	2,839	19	0.7%
24.7%	2,813	2,832	19	0.7%
25.9%	2,806	2,815	9	0.3%
27.2%	2,797	2,813	16	0.6%
28.4%	2,788	2,806	18	0.6%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,788	1	0.0%
45.7%	2,761	2,788	27	1.0%
46.9%	2,752	2,787	35	1.3%
48.1%	2,744	2,750	6	0.2%
49.4%	2,739	2,713	-25	-0.9%
50.6%	2,600	2,672	72	2.8%
51.9%	2,586	2,653	67	2.6%
53.1%	2,552	2,608	56	2.2%
54.3%	2,492	2,603	111	4.4%
55.6%	2,477	2,569	92	3.7%
56.8%	2,455	2,564	108	4.4%
58.0%	2,400	2,485	85	3.6%
59.3%	2,400	2,461	61	2.6%
60.5%	2,347	2,407	60	2.6%
61.7%	2,347	2,365	19	0.8%
63.0%	2,235	2,253	18	0.8%
64.2%	2,155	2,206	51	2.4%
65.4%	2,131	2,184	53	2.5%
66.7%	2,098	2,167	70	3.3%
67.9%	2,086	2,166	80	3.8%
69.1%	2,042	2,163	121	5.9%
70.4%	2,011	2,145	134	6.6%
71.6%	1,992	2,080	89	4.4%
72.8%	1,967	2,047	80	4.1%
74.1%	1,928	2,043	115	6.0%
75.3%	1,915	2,022	106	5.5%
76.5%	1,895	2,018	123	6.5%
77.8%	1,866	1,993	127	6.8%
79.0%	1,838	1,977	138	7.5%
80.2%	1,829	1,961	131	7.2%
81.5%	1,818	1,943	126	6.9%
82.7%	1,808	1,939	131	7.2%
84.0%	1,795	1,882	87	4.9%
85.2%	1,782	1,869	88	4.9%
86.4%	1,698	1,859	161	9.5%
87.7%	1,648	1,833	185	11.2%
88.9%	1,569	1,622	53	3.3%
90.1%	1,489	1,546	57	3.8%
91.4%	1,416	1,392	-24	-1.7%
92.6%	1,322	1,353	30	2.3%
93.8%	1,264	1,346	82	6.5%
95.1%	1,212	1,342	130	10.8%
96.3%	1,201	1,315	114	9.5%
97.5%	1,199	1,240	41	3.4%
98.8%	1,168	1,218	50	4.3%
100.0%	978	1,215	237	24.3%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,163	3,163	0	0.0%
2.5%	3,162	3,162	0	0.0%
3.7%	3,133	3,143	10	0.3%
4.9%	3,123	3,123	0	0.0%
6.2%	3,120	3,120	0	0.0%
7.4%	3,105	3,105	0	0.0%
8.6%	3,096	3,096	0	0.0%
9.9%	3,063	3,078	15	0.5%
11.1%	3,059	3,063	4	0.1%
12.3%	3,058	3,059	1	0.0%
13.6%	3,054	3,058	4	0.1%
14.8%	3,036	3,054	18	0.6%
16.0%	3,028	3,036	8	0.3%
17.3%	3,027	3,028	1	0.0%
18.5%	3,024	3,027	3	0.1%
19.8%	3,018	3,022	4	0.1%
21.0%	2,999	3,018	19	0.6%
22.2%	2,995	3,001	6	0.2%
23.5%	2,990	2,999	9	0.3%
24.7%	2,988	2,995	7	0.2%
25.9%	2,978	2,990	12	0.4%
27.2%	2,964	2,988	24	0.8%
28.4%	2,964	2,964	0	0.0%
29.6%	2,954	2,964	10	0.3%
30.9%	2,951	2,964	13	0.4%
32.1%	2,944	2,954	10	0.3%
33.3%	2,943	2,951	8	0.3%
34.6%	2,937	2,944	7	0.2%
35.8%	2,936	2,943	7	0.2%
37.0%	2,927	2,937	10	0.3%
38.3%	2,922	2,936	14	0.5%
39.5%	2,918	2,927	9	0.3%
40.7%	2,909	2,922	13	0.4%
42.0%	2,860	2,918	58	2.0%
43.2%	2,847	2,880	33	1.2%
44.4%	2,833	2,847	14	0.5%
45.7%	2,817	2,833	16	0.6%
46.9%	2,817	2,817	0	0.0%
48.1%	2,814	2,817	3	0.1%
49.4%	2,804	2,816	12	0.4%
50.6%	2,797	2,813	16	0.6%
51.9%	2,788	2,808	20	0.7%
53.1%	2,788	2,803	15	0.5%
54.3%	2,788	2,797	9	0.3%
55.6%	2,788	2,788	0	0.0%
56.8%	2,788	2,788	0	0.0%
58.0%	2,788	2,788	0	0.0%
59.3%	2,788	2,788	0	0.0%
60.5%	2,759	2,788	29	1.1%
61.7%	2,738	2,788	50	1.8%
63.0%	2,689	2,788	99	3.7%
64.2%	2,680	2,757	77	2.9%
65.4%	2,523	2,737	214	8.5%
66.7%	2,481	2,595	114	4.6%
67.9%	2,427	2,549	122	5.0%
69.1%	2,378	2,507	129	5.4%
70.4%	2,334	2,486	151	6.5%
71.6%	2,328	2,452	124	5.3%
72.8%	2,272	2,408	136	6.0%
74.1%	2,239	2,372	134	6.0%
75.3%	2,235	2,336	101	4.5%
76.5%	2,180	2,320	141	6.5%
77.8%	2,173	2,304	131	6.1%
79.0%	2,144	2,304	160	7.5%
80.2%	2,127	2,275	147	6.9%
81.5%	2,125	2,262	138	6.5%
82.7%	2,104	2,211	107	5.1%
84.0%	2,053	2,164	111	5.4%
85.2%	2,005	2,142	137	6.8%
86.4%	1,961	2,079	117	6.0%
87.7%	1,867	2,078	211	11.3%
88.9%	1,851	1,932	81	4.4%
90.1%	1,765	1,694	-71	-4.0%
91.4%	1,554	1,625	71	4.6%
92.6%	1,483	1,572	89	6.0%
93.8%	1,475	1,564	88	6.0%
95.1%	1,464	1,552	89	6.1%
96.3%	1,441	1,529	89	6.1%
97.5%	1,363	1,491	128	9.4%
98.8%	1,289	1,282	-7	-0.6%
100.0%	1,211	1,240	29	2.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,446	3,446	0	0.0%
4.9%	3,433	3,433	0	0.0%
6.2%	3,427	3,427	0	0.0%
7.4%	3,396	3,396	0	0.0%
8.6%	3,389	3,389	0	0.0%
9.9%	3,362	3,362	0	0.0%
11.1%	3,362	3,362	0	0.0%
12.3%	3,357	3,357	0	0.0%
13.6%	3,354	3,354	0	0.0%
14.8%	3,354	3,354	0	0.0%
16.0%	3,352	3,352	0	0.0%
17.3%	3,350	3,350	0	0.0%
18.5%	3,334	3,339	5	0.2%
19.8%	3,324	3,334	10	0.3%
21.0%	3,305	3,324	19	0.6%
22.2%	3,303	3,305	2	0.1%
23.5%	3,298	3,303	5	0.2%
24.7%	3,296	3,298	2	0.1%
25.9%	3,294	3,296	2	0.0%
27.2%	3,292	3,294	2	0.1%
28.4%	3,292	3,292	0	0.0%
29.6%	3,284	3,292	8	0.2%
30.9%	3,281	3,284	3	0.1%
32.1%	3,277	3,281	4	0.1%
33.3%	3,277	3,277	0	0.0%
34.6%	3,241	3,277	36	1.1%
35.8%	3,238	3,241	3	0.1%
37.0%	3,236	3,238	2	0.1%
38.3%	3,235	3,236	1	0.0%
39.5%	3,234	3,235	1	0.0%
40.7%	3,218	3,234	16	0.5%
42.0%	3,208	3,227	19	0.6%
43.2%	3,208	3,218	10	0.3%
44.4%	3,203	3,208	5	0.1%
45.7%	3,190	3,208	18	0.6%
46.9%	3,181	3,203	22	0.7%
48.1%	3,180	3,188	8	0.2%
49.4%	3,167	3,187	21	0.7%
50.6%	3,143	3,181	39	1.2%
51.9%	3,139	3,180	41	1.3%
53.1%	3,134	3,167	33	1.0%
54.3%	3,121	3,167	45	1.5%
55.6%	3,097	3,143	46	1.5%
56.8%	3,086	3,141	55	1.8%
58.0%	3,066	3,139	73	2.4%
59.3%	3,065	3,123	58	1.9%
60.5%	3,031	3,067	36	1.2%
61.7%	2,960	3,054	93	3.2%
63.0%	2,940	3,029	88	3.0%
64.2%	2,901	3,024	122	4.2%
65.4%	2,865	2,980	115	4.0%
66.7%	2,829	2,969	140	4.9%
67.9%	2,679	2,900	221	8.3%
69.1%	2,677	2,840	163	6.1%
70.4%	2,670	2,737	66	2.5%
71.6%	2,626	2,731	105	4.0%
72.8%	2,622	2,698	76	2.9%
74.1%	2,533	2,663	129	5.1%
75.3%	2,458	2,617	159	6.4%
76.5%	2,424	2,587	163	6.7%
77.8%	2,404	2,521	117	4.9%
79.0%	2,399	2,509	110	4.6%
80.2%	2,394	2,499	105	4.4%
81.5%	2,289	2,411	123	5.4%
82.7%	2,273	2,391	118	5.2%
84.0%	2,258	2,377	119	5.3%
85.2%	2,252	2,358	106	4.7%
86.4%	2,076	2,304	228	11.0%
87.7%	2,072	2,145	73	3.5%
88.9%	1,935	2,134	198	10.3%
90.1%	1,902	1,919	17	0.9%
91.4%	1,753	1,833	80	4.6%
92.6%	1,696	1,819	123	7.2%
93.8%	1,604	1,729	125	7.8%
95.1%	1,534	1,693	159	10.3%
96.3%	1,522	1,522	-1	0.0%
97.5%	1,395	1,509	115	8.2%
98.8%	1,360	1,353	-7	-0.5%
100.0%	1,100	1,137	37	3.4%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,538	0	0.0%
21.0%	3,538	3,538	0	0.0%
22.2%	3,538	3,538	0	0.0%
23.5%	3,538	3,538	0	0.0%
24.7%	3,538	3,538	0	0.0%
25.9%	3,538	3,538	0	0.0%
27.2%	3,538	3,538	0	0.0%
28.4%	3,538	3,538	0	0.0%
29.6%	3,538	3,538	0	0.0%
30.9%	3,538	3,538	0	0.0%
32.1%	3,538	3,538	0	0.0%
33.3%	3,538	3,538	0	0.0%
34.6%	3,536	3,536	0	0.0%
35.8%	3,531	3,532	0	0.0%
37.0%	3,527	3,527	0	0.0%
38.3%	3,507	3,512	6	0.2%
39.5%	3,494	3,507	13	0.4%
40.7%	3,482	3,494	12	0.4%
42.0%	3,460	3,482	22	0.6%
43.2%	3,414	3,482	68	2.0%
44.4%	3,405	3,460	55	1.6%
45.7%	3,371	3,414	42	1.2%
46.9%	3,363	3,405	42	1.3%
48.1%	3,346	3,363	17	0.5%
49.4%	3,296	3,346	50	1.5%
50.6%	3,267	3,305	38	1.2%
51.9%	3,235	3,296	61	1.9%
53.1%	3,233	3,284	51	1.6%
54.3%	3,207	3,270	63	2.0%
55.6%	3,205	3,266	62	1.9%
56.8%	3,190	3,233	43	1.3%
58.0%	3,176	3,205	29	0.9%
59.3%	3,133	3,203	70	2.2%
60.5%	3,110	3,174	64	2.0%
61.7%	2,970	3,104	134	4.5%
63.0%	2,943	3,072	129	4.4%
64.2%	2,936	3,030	94	3.2%
65.4%	2,891	3,024	133	4.6%
66.7%	2,884	3,021	137	4.8%
67.9%	2,867	2,952	85	3.0%
69.1%	2,858	2,936	79	2.8%
70.4%	2,834	2,910	76	2.7%
71.6%	2,819	2,898	79	2.8%
72.8%	2,787	2,879	91	3.3%
74.1%	2,731	2,815	84	3.1%
75.3%	2,675	2,811	136	5.1%
76.5%	2,598	2,804	206	7.9%
77.8%	2,584	2,651	67	2.6%
79.0%	2,500	2,618	118	4.7%
80.2%	2,464	2,556	92	3.7%
81.5%	2,432	2,489	57	2.4%
82.7%	2,368	2,484	116	4.9%
84.0%	2,346	2,378	31	1.3%
85.2%	2,104	2,362	258	12.3%
86.4%	2,036	2,353	318	15.6%
87.7%	1,997	2,171	174	8.7%
88.9%	1,967	2,087	119	6.1%
90.1%	1,956	2,081	125	6.4%
91.4%	1,893	1,951	59	3.1%
92.6%	1,714	1,830	116	6.8%
93.8%	1,655	1,728	73	4.4%
95.1%	1,535	1,593	58	3.7%
96.3%	1,475	1,468	-7	-0.5%
97.5%	1,419	1,465	46	3.2%
98.8%	1,309	1,412	103	7.9%
100.0%	1,042	1,079	37	3.6%

Table SW-18-9b
Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,538	3,538	0	0.0%
17.3%	3,538	3,538	0	0.0%
18.5%	3,538	3,538	0	0.0%
19.8%	3,538	3,535	-3	-0.1%
21.0%	3,538	3,524	-14	-0.4%
22.2%	3,538	3,523	-15	-0.4%
23.5%	3,538	3,522	-16	-0.5%
24.7%	3,538	3,520	-18	-0.5%
25.9%	3,538	3,520	-18	-0.5%
27.2%	3,538	3,519	-19	-0.6%
28.4%	3,538	3,517	-21	-0.6%
29.6%	3,538	3,509	-29	-0.8%
30.9%	3,538	3,509	-29	-0.8%
32.1%	3,495	3,493	-2	-0.1%
33.3%	3,486	3,425	-61	-1.7%
34.6%	3,467	3,404	-64	-1.8%
35.8%	3,424	3,403	-22	-0.6%
37.0%	3,422	3,398	-24	-0.7%
38.3%	3,349	3,381	32	0.9%
39.5%	3,305	3,378	73	2.2%
40.7%	3,279	3,307	27	0.8%
42.0%	3,260	3,298	38	1.2%
43.2%	3,258	3,289	30	0.9%
44.4%	3,212	3,285	74	2.3%
45.7%	3,210	3,248	38	1.2%
46.9%	3,193	3,244	51	1.6%
48.1%	3,167	3,228	61	1.9%
49.4%	3,109	3,191	82	2.6%
50.6%	3,103	3,138	36	1.1%
51.9%	3,101	3,130	29	0.9%
53.1%	3,082	3,109	27	0.9%
54.3%	3,054	3,095	41	1.3%
55.6%	3,030	3,083	52	1.7%
56.8%	2,991	3,051	60	2.0%
58.0%	2,949	3,021	73	2.5%
59.3%	2,924	3,003	78	2.7%
60.5%	2,886	2,977	91	3.1%
61.7%	2,883	2,924	41	1.4%
63.0%	2,871	2,883	13	0.4%
64.2%	2,847	2,855	7	0.3%
65.4%	2,826	2,846	20	0.7%
66.7%	2,703	2,833	130	4.8%
67.9%	2,687	2,746	60	2.2%
69.1%	2,681	2,715	34	1.3%
70.4%	2,635	2,706	71	2.7%
71.6%	2,595	2,705	110	4.2%
72.8%	2,578	2,690	112	4.4%
74.1%	2,544	2,637	94	3.7%
75.3%	2,477	2,629	152	6.2%
76.5%	2,363	2,591	228	9.6%
77.8%	2,315	2,536	221	9.5%
79.0%	2,299	2,469	170	7.4%
80.2%	2,294	2,412	118	5.1%
81.5%	2,271	2,410	139	6.1%
82.7%	2,151	2,256	104	4.9%
84.0%	2,142	2,240	99	4.6%
85.2%	2,019	2,203	184	9.1%
86.4%	1,836	2,188	352	19.2%
87.7%	1,782	2,042	260	14.6%
88.9%	1,777	1,925	148	8.4%
90.1%	1,714	1,864	150	8.8%
91.4%	1,672	1,798	126	7.5%
92.6%	1,551	1,735	184	11.9%
93.8%	1,484	1,598	114	7.7%
95.1%	1,384	1,425	42	3.0%
96.3%	1,319	1,398	79	6.0%
97.5%	1,165	1,334	169	14.5%
98.8%	1,112	1,293	181	16.3%
100.0%	824	858	34	4.2%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,537	-1	0.0%
3.7%	3,538	3,475	-63	-1.8%
4.9%	3,538	3,459	-79	-2.2%
6.2%	3,447	3,417	-30	-0.9%
7.4%	3,385	3,349	-36	-1.1%
8.6%	3,374	3,327	-48	-1.4%
9.9%	3,324	3,274	-50	-1.5%
11.1%	3,220	3,251	31	1.0%
12.3%	3,197	3,185	-12	-0.4%
13.6%	3,170	3,171	1	0.0%
14.8%	3,130	3,151	20	0.6%
16.0%	3,115	3,100	-15	-0.5%
17.3%	3,095	3,096	2	0.1%
18.5%	3,059	3,030	-30	-1.0%
19.8%	3,031	3,028	-3	-0.1%
21.0%	3,027	3,024	-3	-0.1%
22.2%	3,021	2,992	-30	-1.0%
23.5%	3,009	2,991	-18	-0.6%
24.7%	2,999	2,981	-17	-0.6%
25.9%	2,993	2,972	-20	-0.7%
27.2%	2,976	2,963	-13	-0.4%
28.4%	2,973	2,958	-15	-0.5%
29.6%	2,956	2,928	-28	-0.9%
30.9%	2,944	2,923	-21	-0.7%
32.1%	2,898	2,892	-6	-0.2%
33.3%	2,893	2,882	-11	-0.4%
34.6%	2,859	2,811	-49	-1.7%
35.8%	2,824	2,809	-16	-0.6%
37.0%	2,810	2,808	-2	-0.1%
38.3%	2,752	2,800	48	1.8%
39.5%	2,680	2,798	119	4.4%
40.7%	2,663	2,759	96	3.6%
42.0%	2,645	2,728	82	3.1%
43.2%	2,644	2,723	79	3.0%
44.4%	2,636	2,679	43	1.6%
45.7%	2,635	2,672	37	1.4%
46.9%	2,622	2,631	9	0.3%
48.1%	2,553	2,630	77	3.0%
49.4%	2,539	2,599	61	2.4%
50.6%	2,535	2,582	47	1.9%
51.9%	2,523	2,563	39	1.6%
53.1%	2,464	2,550	86	3.5%
54.3%	2,457	2,513	55	2.2%
55.6%	2,412	2,482	70	2.9%
56.8%	2,393	2,458	65	2.7%
58.0%	2,313	2,402	89	3.8%
59.3%	2,307	2,365	58	2.5%
60.5%	2,301	2,359	58	2.5%
61.7%	2,298	2,328	30	1.3%
63.0%	2,275	2,285	11	0.5%
64.2%	2,240	2,285	45	2.0%
65.4%	2,191	2,262	71	3.2%
66.7%	2,076	2,179	103	4.9%
67.9%	2,074	2,150	75	3.6%
69.1%	2,074	2,133	59	2.9%
70.4%	2,068	2,132	65	3.1%
71.6%	2,060	2,131	71	3.4%
72.8%	2,037	2,115	78	3.8%
74.1%	1,960	2,101	140	7.2%
75.3%	1,883	2,100	217	11.5%
76.5%	1,779	2,057	279	15.7%
77.8%	1,774	2,005	232	13.1%
79.0%	1,717	1,897	180	10.5%
80.2%	1,686	1,882	196	11.6%
81.5%	1,679	1,849	170	10.1%
82.7%	1,583	1,821	238	15.1%
84.0%	1,556	1,818	262	16.8%
85.2%	1,555	1,720	165	10.6%
86.4%	1,307	1,691	384	29.4%
87.7%	1,210	1,446	237	19.5%
88.9%	1,207	1,400	192	15.9%
90.1%	1,176	1,339	162	13.8%
91.4%	1,162	1,330	168	14.5%
92.6%	1,011	1,236	225	22.2%
93.8%	983	1,178	194	19.7%
95.1%	975	973	-3	-0.3%
96.3%	973	959	-14	-1.5%
97.5%	970	952	-18	-1.8%
98.8%	898	935	37	4.1%
100.0%	767	605	-162	-21.1%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,456	-82	-2.3%
1.2%	3,538	3,448	-90	-2.5%
2.5%	3,526	3,438	-88	-2.5%
3.7%	3,486	3,389	-98	-2.8%
4.9%	3,469	3,302	-167	-4.8%
6.2%	3,323	3,266	-57	-1.7%
7.4%	3,315	3,214	-101	-3.0%
8.6%	3,284	3,209	-75	-2.3%
9.9%	3,211	3,190	-22	-0.7%
11.1%	3,204	3,144	-61	-1.9%
12.3%	3,004	3,004	0	0.0%
13.6%	2,991	2,951	-40	-1.3%
14.8%	2,988	2,902	-85	-2.9%
16.0%	2,932	2,890	-42	-1.4%
17.3%	2,912	2,887	-25	-0.8%
18.5%	2,837	2,878	41	1.4%
19.8%	2,811	2,855	44	1.6%
21.0%	2,793	2,785	-9	-0.3%
22.2%	2,714	2,783	70	2.6%
23.5%	2,711	2,781	70	2.6%
24.7%	2,675	2,766	91	3.4%
25.9%	2,622	2,684	61	2.3%
27.2%	2,617	2,665	48	1.9%
28.4%	2,551	2,627	76	3.0%
29.6%	2,551	2,575	23	0.9%
30.9%	2,538	2,562	23	0.9%
32.1%	2,516	2,561	45	1.8%
33.3%	2,492	2,551	59	2.4%
34.6%	2,439	2,551	112	4.6%
35.8%	2,414	2,507	93	3.9%
37.0%	2,359	2,442	83	3.5%
38.3%	2,341	2,415	74	3.2%
39.5%	2,279	2,407	128	5.6%
40.7%	2,275	2,383	108	4.8%
42.0%	2,266	2,353	87	3.8%
43.2%	2,248	2,340	92	4.1%
44.4%	2,247	2,329	82	3.6%
45.7%	2,226	2,319	93	4.2%
46.9%	2,218	2,314	95	4.3%
48.1%	2,192	2,279	87	4.0%
49.4%	2,172	2,267	95	4.4%
50.6%	2,117	2,213	95	4.5%
51.9%	2,077	2,199	121	5.8%
53.1%	2,069	2,153	84	4.1%
54.3%	2,030	2,060	30	1.5%
55.6%	2,023	2,036	14	0.7%
56.8%	1,989	2,034	45	2.3%
58.0%	1,948	1,995	46	2.4%
59.3%	1,879	1,953	74	4.0%
60.5%	1,865	1,913	47	2.5%
61.7%	1,853	1,863	10	0.5%
63.0%	1,826	1,823	-3	-0.2%
64.2%	1,774	1,812	38	2.2%
65.4%	1,742	1,809	68	3.9%
66.7%	1,728	1,805	78	4.5%
67.9%	1,676	1,803	127	7.6%
69.1%	1,658	1,707	49	2.9%
70.4%	1,624	1,663	39	2.4%
71.6%	1,608	1,644	36	2.3%
72.8%	1,513	1,637	124	8.2%
74.1%	1,476	1,632	157	10.6%
75.3%	1,462	1,621	158	10.8%
76.5%	1,422	1,612	190	13.4%
77.8%	1,357	1,484	127	9.4%
79.0%	1,296	1,449	153	11.8%
80.2%	1,296	1,442	146	11.3%
81.5%	1,240	1,397	157	12.6%
82.7%	1,157	1,383	226	19.6%
84.0%	1,130	1,358	228	20.2%
85.2%	1,106	1,348	242	21.9%
86.4%	1,093	1,147	54	4.9%
87.7%	1,090	1,140	50	4.6%
88.9%	1,077	1,129	52	4.8%
90.1%	1,021	1,115	94	9.3%
91.4%	951	990	39	4.1%
92.6%	943	900	-43	-4.6%
93.8%	902	889	-13	-1.4%
95.1%	874	888	14	1.6%
96.3%	873	865	-8	-0.9%
97.5%	860	862	2	0.3%
98.8%	835	821	-14	-1.7%
100.0%	766	605	-161	-21.1%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,351	3,351	0	0.0%
1.2%	3,351	3,351	0	0.0%
2.5%	3,237	3,143	-94	-2.9%
3.7%	3,116	2,904	-212	-6.8%
4.9%	3,061	2,858	-203	-6.6%
6.2%	3,014	2,773	-241	-8.0%
7.4%	2,920	2,723	-196	-6.7%
8.6%	2,853	2,686	-168	-5.9%
9.9%	2,786	2,660	-126	-4.5%
11.1%	2,690	2,622	-67	-2.5%
12.3%	2,638	2,535	-103	-3.9%
13.6%	2,470	2,483	13	0.5%
14.8%	2,431	2,469	38	1.6%
16.0%	2,431	2,423	-8	-0.3%
17.3%	2,430	2,396	-34	-1.4%
18.5%	2,394	2,364	-30	-1.3%
19.8%	2,338	2,357	19	0.8%
21.0%	2,317	2,346	29	1.3%
22.2%	2,273	2,341	68	3.0%
23.5%	2,255	2,336	81	3.6%
24.7%	2,245	2,316	71	3.2%
25.9%	2,187	2,262	75	3.4%
27.2%	2,177	2,243	65	3.0%
28.4%	2,168	2,234	66	3.0%
29.6%	2,166	2,232	65	3.0%
30.9%	2,152	2,195	44	2.0%
32.1%	2,109	2,163	54	2.6%
33.3%	2,090	2,155	64	3.1%
34.6%	2,072	2,153	80	3.9%
35.8%	2,029	2,137	108	5.3%
37.0%	1,983	2,119	136	6.8%
38.3%	1,982	2,071	89	4.5%
39.5%	1,971	2,051	80	4.1%
40.7%	1,955	2,039	84	4.3%
42.0%	1,938	2,026	88	4.6%
43.2%	1,933	2,005	72	3.7%
44.4%	1,892	1,994	102	5.4%
45.7%	1,892	1,968	76	4.0%
46.9%	1,865	1,958	93	5.0%
48.1%	1,837	1,936	100	5.4%
49.4%	1,833	1,908	75	4.1%
50.6%	1,821	1,893	72	4.0%
51.9%	1,804	1,875	72	4.0%
53.1%	1,797	1,859	62	3.4%
54.3%	1,776	1,841	65	3.7%
55.6%	1,754	1,827	73	4.2%
56.8%	1,715	1,757	41	2.4%
58.0%	1,690	1,740	50	3.0%
59.3%	1,643	1,721	78	4.8%
60.5%	1,609	1,692	84	5.2%
61.7%	1,603	1,680	76	4.8%
63.0%	1,596	1,629	33	2.1%
64.2%	1,561	1,619	58	3.7%
65.4%	1,557	1,590	33	2.1%
66.7%	1,554	1,537	-17	-1.1%
67.9%	1,527	1,523	-4	-0.3%
69.1%	1,527	1,492	-35	-2.3%
70.4%	1,446	1,486	39	2.7%
71.6%	1,389	1,476	87	6.3%
72.8%	1,364	1,463	99	7.2%
74.1%	1,357	1,456	98	7.2%
75.3%	1,325	1,425	101	7.6%
76.5%	1,261	1,394	133	10.6%
77.8%	1,223	1,331	108	8.8%
79.0%	1,185	1,268	83	7.0%
80.2%	1,163	1,262	100	8.6%
81.5%	1,137	1,237	101	8.9%
82.7%	1,129	1,234	105	9.3%
84.0%	1,097	1,149	52	4.7%
85.2%	1,071	1,125	54	5.1%
86.4%	1,037	1,116	79	7.6%
87.7%	1,025	1,093	68	6.6%
88.9%	1,014	1,040	26	2.6%
90.1%	949	1,033	84	8.8%
91.4%	922	1,006	84	9.1%
92.6%	921	869	-52	-5.6%
93.8%	874	859	-14	-1.7%
95.1%	857	858	1	0.1%
96.3%	809	843	33	4.1%
97.5%	774	842	68	8.8%
98.8%	744	732	-12	-1.6%
100.0%	712	613	-99	-13.9%

Table SW-19-9a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	751	757	772	792	812	830	850	859	850	810	782	757
Alternative D	756	762	778	798	817	834	854	864	855	816	787	762
Difference	5	5	6	6	5	4	4	4	5	6	5	4
Percent Difference[3]	0.7%	0.7%	0.8%	0.7%	0.6%	0.5%	0.5%	0.5%	0.6%	0.7%	0.7%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	813	818	824	839	854	859	884	898	896	872	858	822
Alternative D	812	818	825	841	854	859	884	898	896	871	857	820
Difference	-1	0	2	2	0	0	0	0	0	-1	-1	-1
Percent Difference	-0.1%	-0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%
Above Normal (15%)												
No Action Alternative	778	783	793	808	835	858	883	897	890	851	822	786
Alternative D	778	782	797	809	836	860	884	897	889	850	823	785
Difference	0	-1	4	1	1	1	1	0	-1	-1	1	-1
Percent Difference	0.0%	-0.1%	0.5%	0.1%	0.1%	0.1%	0.1%	0.0%	-0.2%	-0.2%	0.1%	-0.1%
Below Normal (17%)												
No Action Alternative	769	775	795	783	809	831	861	876	869	828	791	774
Alternative D	783	788	803	795	819	839	867	883	874	834	801	786
Difference	14	12	8	12	10	8	6	6	5	6	10	12
Percent Difference	1.8%	1.6%	1.1%	1.5%	1.2%	0.9%	0.7%	0.7%	0.6%	0.8%	1.3%	1.6%
Dry (22%)												
No Action Alternative	696	706	732	763	786	816	832	836	819	764	718	703
Alternative D	706	716	744	770	793	823	838	843	828	779	731	712
Difference	10	10	12	7	7	7	6	7	10	15	12	9
Percent Difference	1.4%	1.4%	1.7%	0.9%	0.8%	0.9%	0.8%	0.8%	1.2%	2.0%	1.7%	1.2%
Critical (15%)												
No Action Alternative	649	653	671	729	739	757	757	754	733	683	662	652
Alternative D	656	660	679	739	749	766	768	765	749	696	667	658
Difference	7	7	8	10	10	9	11	11	16	13	5	6
Percent Difference	1.1%	1.1%	1.2%	1.3%	1.3%	1.2%	1.4%	1.4%	2.2%	2.0%	0.7%	0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-19-9b
Lake Oroville, End of Month Elevation
Probability of Exceedance

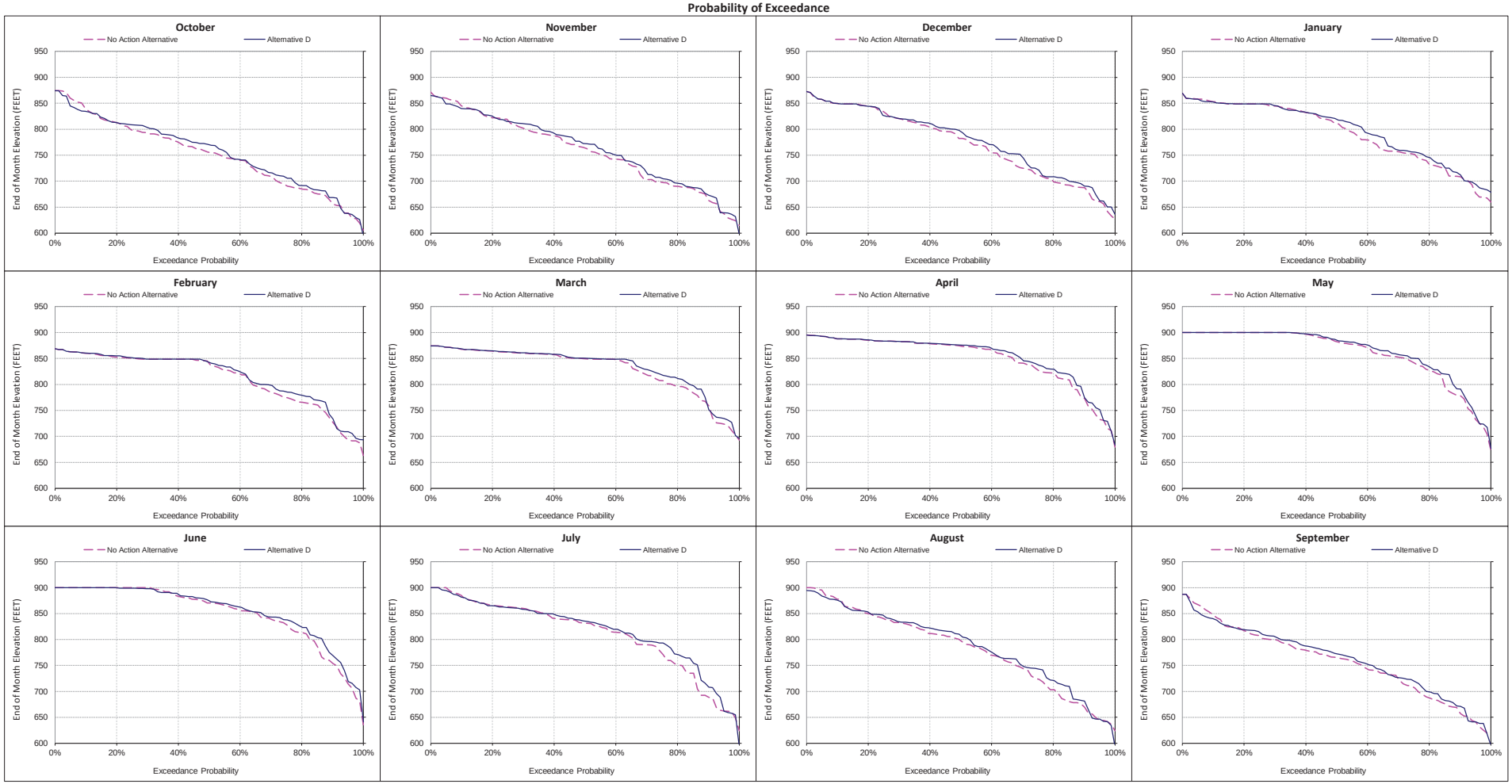

Table SW-19-9b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	873	865	-9	-1.0%
3.7%	870	864	-6	-0.7%
4.9%	860	845	-15	-1.7%
6.2%	856	842	-14	-1.6%
7.4%	852	838	-14	-1.6%
8.6%	850	835	-15	-1.8%
9.9%	840	835	-5	-0.6%
11.1%	834	833	-1	-0.1%
12.3%	830	830	0	0.0%
13.6%	828	830	2	0.2%
14.8%	821	823	2	0.3%
16.0%	818	821	3	0.4%
17.3%	816	816	0	0.0%
18.5%	815	813	-1	-0.2%
19.8%	813	813	0	0.0%
21.0%	811	811	0	0.0%
22.2%	806	810	4	0.5%
23.5%	805	810	5	0.6%
24.7%	799	809	10	1.2%
25.9%	797	808	11	1.4%
27.2%	797	808	11	1.4%
28.4%	794	807	13	1.6%
29.6%	793	804	11	1.4%
30.9%	791	801	10	1.3%
32.1%	791	801	10	1.3%
33.3%	790	798	8	1.0%
34.6%	785	791	6	0.8%
35.8%	783	790	7	0.9%
37.0%	783	789	6	0.8%
38.3%	778	788	10	1.3%
39.5%	777	784	8	1.0%
40.7%	772	782	9	1.2%
42.0%	768	781	14	1.8%
43.2%	767	779	12	1.5%
44.4%	767	775	8	1.1%
45.7%	763	774	12	1.5%
46.9%	762	773	11	1.4%
48.1%	759	772	13	1.7%
49.4%	756	771	15	1.9%
50.6%	755	769	14	1.9%
51.9%	754	769	14	1.9%
53.1%	751	762	11	1.4%
54.3%	748	760	12	1.6%
55.6%	744	756	11	1.5%
56.8%	744	746	2	0.3%
58.0%	743	742	-1	-0.1%
59.3%	740	742	2	0.3%
60.5%	740	741	1	0.1%
61.7%	739	741	1	0.2%
63.0%	729	733	4	0.5%
64.2%	725	729	4	0.5%
65.4%	718	726	7	1.0%
66.7%	716	723	7	0.9%
67.9%	711	722	10	1.4%
69.1%	710	717	6	0.9%
70.4%	709	716	7	1.0%
71.6%	701	712	11	1.5%
72.8%	697	711	13	1.9%
74.1%	695	710	15	2.2%
75.3%	690	706	15	2.2%
76.5%	689	706	16	2.4%
77.8%	687	697	10	1.5%
79.0%	686	692	6	0.8%
80.2%	684	691	7	1.0%
81.5%	684	691	7	1.1%
82.7%	681	686	5	0.7%
84.0%	677	684	7	1.0%
85.2%	675	683	8	1.2%
86.4%	675	682	7	1.0%
87.7%	672	681	9	1.3%
88.9%	664	668	4	0.6%
90.1%	656	668	13	1.9%
91.4%	653	667	14	2.1%
92.6%	652	648	-4	-0.7%
93.8%	639	638	-1	-0.1%
95.1%	639	638	-1	-0.2%
96.3%	629	636	7	1.1%
97.5%	628	630	2	0.3%
98.8%	619	626	6	1.0%
100.0%	605	593	-12	-2.1%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	865	-6	-0.7%
1.2%	864	864	0	0.0%
2.5%	862	862	0	0.0%
3.7%	861	860	-1	-0.1%
4.9%	860	849	-11	-1.3%
6.2%	857	849	-8	-1.0%
7.4%	856	846	-10	-1.1%
8.6%	854	844	-10	-1.2%
9.9%	845	840	-5	-0.6%
11.1%	841	839	-2	-0.2%
12.3%	841	839	-1	-0.2%
13.6%	838	839	1	0.1%
14.8%	838	838	0	0.0%
16.0%	833	834	1	0.1%
17.3%	827	828	1	0.1%
18.5%	824	827	3	0.4%
19.8%	822	826	3	0.4%
21.0%	822	822	0	0.0%
22.2%	821	819	-2	-0.3%
23.5%	820	818	-1	-0.2%
24.7%	819	815	-4	-0.5%
25.9%	811	815	4	0.5%
27.2%	810	812	3	0.4%
28.4%	805	811	6	0.8%
29.6%	803	811	8	1.0%
30.9%	800	810	10	1.3%
32.1%	797	810	13	1.6%
33.3%	794	807	13	1.6%
34.6%	793	806	13	1.6%
35.8%	791	799	8	1.0%
37.0%	790	797	6	0.8%
38.3%	789	796	7	0.9%
39.5%	787	793	6	0.8%
40.7%	787	790	3	0.4%
42.0%	784	788	4	0.5%
43.2%	775	787	13	1.6%
44.4%	773	785	13	1.6%
45.7%	771	785	14	1.8%
46.9%	770	777	7	0.9%
48.1%	767	777	10	1.3%
49.4%	765	773	7	1.0%
50.6%	763	772	9	1.2%
51.9%	757	771	14	1.9%
53.1%	756	771	15	2.0%
54.3%	753	763	10	1.3%
55.6%	750	762	12	1.5%
56.8%	749	755	6	0.9%
58.0%	743	754	11	1.5%
59.3%	742	751	9	1.2%
60.5%	742	749	7	1.0%
61.7%	741	749	8	1.1%
63.0%	741	739	-2	-0.2%
64.2%	732	739	7	0.9%
65.4%	729	737	8	1.1%
66.7%	728	733	5	0.7%
67.9%	713	730	18	2.5%
69.1%	704	724	20	2.9%
70.4%	703	713	10	1.4%
71.6%	703	713	10	1.4%
72.8%	699	707	9	1.3%
74.1%	699	707	9	1.3%
75.3%	697	704	7	1.1%
76.5%	697	703	7	1.0%
77.8%	691	702	11	1.5%
79.0%	691	697	6	0.9%
80.2%	690	696	6	0.8%
81.5%	688	695	7	1.0%
82.7%	688	690	2	0.3%
84.0%	687	689	1	0.2%
85.2%	686	688	2	0.3%
86.4%	679	687	8	1.2%
87.7%	678	685	7	1.1%
88.9%	675	677	2	0.3%
90.1%	662	673	10	1.6%
91.4%	659	670	12	1.8%
92.6%	657	668	11	1.7%
93.8%	642	639	-2	-0.4%
95.1%	637	639	2	0.3%
96.3%	629	639	9	1.5%
97.5%	626	636	10	1.6%
98.8%	624	632	8	1.3%
100.0%	615	598	-17	-2.8%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	873	0	0.0%
1.2%	871	871	0	0.0%
2.5%	861	864	2	0.3%
3.7%	858	858	0	0.0%
4.9%	858	858	0	0.0%
6.2%	854	854	0	0.0%
7.4%	852	854	2	0.2%
8.6%	850	850	0	0.0%
9.9%	850	850	0	0.0%
11.1%	849	849	0	0.0%
12.3%	849	849	0	0.0%
13.6%	849	849	0	0.0%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	847	846	-2	-0.2%
18.5%	845	845	0	0.0%
19.8%	845	844	-1	-0.1%
21.0%	843	844	1	0.1%
22.2%	843	843	0	0.1%
23.5%	836	840	4	0.4%
24.7%	835	827	-8	-1.0%
25.9%	830	825	-5	-0.6%
27.2%	823	825	2	0.2%
28.4%	822	823	1	0.1%
29.6%	821	821	0	0.0%
30.9%	819	820	0	0.0%
32.1%	816	819	3	0.4%
33.3%	815	818	3	0.3%
34.6%	814	818	4	0.5%
35.8%	812	814	2	0.3%
37.0%	808	814	6	0.7%
38.3%	807	812	5	0.6%
39.5%	805	812	7	0.9%
40.7%	802	810	8	1.0%
42.0%	801	805	4	0.6%
43.2%	797	803	6	0.8%
44.4%	796	803	7	0.9%
45.7%	795	802	6	0.8%
46.9%	795	801	5	0.7%
48.1%	792	800	8	1.0%
49.4%	782	798	16	2.0%
50.6%	782	793	11	1.4%
51.9%	780	786	6	0.8%
53.1%	775	784	9	1.2%
54.3%	770	781	11	1.5%
55.6%	769	779	10	1.3%
56.8%	769	778	9	1.2%
58.0%	767	775	8	1.0%
59.3%	756	770	14	1.9%
60.5%	754	770	15	2.0%
61.7%	754	765	11	1.4%
63.0%	744	757	13	1.8%
64.2%	743	757	14	1.9%
65.4%	740	753	13	1.7%
66.7%	738	753	15	2.0%
67.9%	729	753	23	3.2%
69.1%	726	752	26	3.6%
70.4%	725	744	19	2.6%
71.6%	723	732	9	1.2%
72.8%	721	726	4	0.6%
74.1%	715	725	11	1.5%
75.3%	711	721	10	1.4%
76.5%	709	711	2	0.3%
77.8%	705	709	3	0.5%
79.0%	705	709	3	0.5%
80.2%	698	708	10	1.5%
81.5%	697	707	10	1.5%
82.7%	696	706	11	1.5%
84.0%	693	704	12	1.7%
85.2%	693	700	7	1.0%
86.4%	690	699	9	1.3%
87.7%	688	697	9	1.3%
88.9%	688	695	7	1.0%
90.1%	687	691	3	0.5%
91.4%	679	690	11	1.6%
92.6%	666	687	22	3.3%
93.8%	661	673	12	1.8%
95.1%	661	662	2	0.2%
96.3%	656	661	5	0.8%
97.5%	641	650	9	1.4%
98.8%	633	650	17	2.7%
100.0%	627	636	10	1.5%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	859	859	0	0.0%
2.5%	859	859	0	0.0%
3.7%	859	858	-1	-0.1%
4.9%	858	858	0	0.0%
6.2%	858	854	-4	-0.4%
7.4%	857	853	-4	-0.4%
8.6%	854	853	-1	-0.1%
9.9%	853	853	-1	-0.1%
11.1%	853	850	-2	-0.3%
12.3%	850	850	0	0.0%
13.6%	850	850	-1	-0.1%
14.8%	849	849	1	0.1%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	848	849	1	0.1%
28.4%	845	849	4	0.5%
29.6%	845	846	1	0.1%
30.9%	844	845	0	0.0%
32.1%	842	841	-1	-0.2%
33.3%	840	838	-2	-0.2%
34.6%	840	837	-3	-0.4%
35.8%	838	837	-1	-0.2%
37.0%	836	836	-1	-0.1%
38.3%	836	833	-2	-0.3%
39.5%	833	833	1	0.1%
40.7%	832	832	0	0.0%
42.0%	829	831	1	0.1%
43.2%	829	830	1	0.1%
44.4%	822	826	4	0.5%
45.7%	820	824	4	0.5%
46.9%	819	823	4	0.5%
48.1%	817	822	5	0.6%
49.4%	811	821	10	1.2%
50.6%	810	817	7	0.9%
51.9%	803	817	14	1.7%
53.1%	801	815	14	1.7%
54.3%	796	813	18	2.2%
55.6%	793	809	16	2.0%
56.8%	787	807	20	2.5%
58.0%	780	804	25	3.2%
59.3%	780	794	14	1.8%
60.5%	779	792	13	1.6%
61.7%	774	789	15	1.9%
63.0%	770	788	18	2.3%
64.2%	761	785	24	3.1%
65.4%	760	784	24	3.2%
66.7%	758	768	10	1.3%
67.9%	758	766	8	1.1%
69.1%	757	761	4	0.5%
70.4%	757	759	3	0.4%
71.6%	754	759	5	0.7%
72.8%	753	758	5	0.6%
74.1%	753	757	4	0.5%
75.3%	752	756	4	0.6%
76.5%	743	754	11	1.5%
77.8%	742	752	10	1.4%
79.0%	740	747	7	1.0%
80.2%	731	745	14	1.9%
81.5%	731	739	8	1.1%
82.7%	729	734	6	0.8%
84.0%	726	734	8	1.1%
85.2%	725	725	0	0.1%
86.4%	710	725	15	2.1%
87.7%	710	719	9	1.2%
88.9%	710	717	7	1.0%
90.1%	709	712	3	0.5%
91.4%	703	701	-3	-0.4%
92.6%	701	700	-1	-0.1%
93.8%	693	698	5	0.7%
95.1%	677	694	17	2.5%
96.3%	669	687	18	2.6%
97.5%	669	685	16	2.4%
98.8%	667	683	16	2.3%
100.0%	660	678	19	2.8%

Table SW-19-9b
Lake Oroville, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	867	867	0	0.0%
2.5%	867	867	0	0.0%
3.7%	864	864	0	0.0%
4.9%	863	863	0	0.0%
6.2%	863	862	-1	-0.1%
7.4%	862	862	0	0.0%
8.6%	861	861	0	0.0%
9.9%	860	861	1	0.1%
11.1%	860	860	0	0.0%
12.3%	859	860	1	0.1%
13.6%	858	860	2	0.2%
14.8%	856	858	2	0.2%
16.0%	856	856	0	0.0%
17.3%	855	856	0	0.0%
18.5%	853	855	2	0.2%
19.8%	853	855	3	0.3%
21.0%	852	855	3	0.4%
22.2%	852	853	2	0.2%
23.5%	851	852	1	0.2%
24.7%	850	852	1	0.2%
25.9%	850	851	1	0.1%
27.2%	849	850	1	0.1%
28.4%	849	850	1	0.1%
29.6%	849	849	0	0.0%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	847	849	2	0.2%
46.9%	846	849	2	0.3%
48.1%	846	846	0	0.0%
49.4%	845	844	-2	-0.2%
50.6%	836	841	5	0.6%
51.9%	835	840	5	0.5%
53.1%	833	836	4	0.5%
54.3%	829	836	8	0.9%
55.6%	828	834	6	0.8%
56.8%	826	833	7	0.9%
58.0%	822	828	6	0.7%
59.3%	822	826	4	0.5%
60.5%	818	823	4	0.5%
61.7%	818	820	1	0.2%
63.0%	807	809	2	0.2%
64.2%	799	804	5	0.7%
65.4%	796	802	5	0.7%
66.7%	793	800	7	0.9%
67.9%	792	800	8	1.0%
69.1%	787	800	12	1.6%
70.4%	784	798	14	1.8%
71.6%	782	791	9	1.2%
72.8%	779	788	8	1.1%
74.1%	775	787	12	1.5%
75.3%	774	785	11	1.4%
76.5%	772	785	13	1.6%
77.8%	769	782	13	1.7%
79.0%	766	780	14	1.9%
80.2%	765	779	13	1.8%
81.5%	764	777	13	1.7%
82.7%	763	777	13	1.8%
84.0%	762	771	9	1.2%
85.2%	760	769	9	1.2%
86.4%	752	768	17	2.2%
87.7%	746	766	20	2.6%
88.9%	736	743	6	0.9%
90.1%	727	734	7	1.0%
91.4%	718	715	-3	-0.4%
92.6%	706	710	4	0.5%
93.8%	699	709	10	1.4%
95.1%	693	709	16	2.3%
96.3%	692	705	14	2.0%
97.5%	691	696	5	0.7%
98.8%	688	694	6	0.9%
100.0%	663	693	31	4.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	874	874	0	0.0%
3.7%	872	873	1	0.1%
4.9%	872	872	0	0.0%
6.2%	871	871	0	0.0%
7.4%	870	870	0	0.0%
8.6%	870	870	0	0.0%
9.9%	868	869	1	0.1%
11.1%	867	868	0	0.0%
12.3%	867	867	0	0.0%
13.6%	867	867	0	0.0%
14.8%	866	867	1	0.1%
16.0%	865	866	1	0.1%
17.3%	865	865	0	0.0%
18.5%	865	865	0	0.0%
19.8%	864	865	0	0.0%
21.0%	863	864	1	0.2%
22.2%	863	863	0	0.0%
23.5%	863	863	1	0.1%
24.7%	862	863	0	0.1%
25.9%	862	863	1	0.1%
27.2%	861	862	2	0.2%
28.4%	861	861	0	0.0%
29.6%	860	861	1	0.1%
30.9%	860	861	1	0.1%
32.1%	859	860	1	0.1%
33.3%	859	860	1	0.1%
34.6%	859	859	0	0.1%
35.8%	859	859	0	0.1%
37.0%	858	859	1	0.1%
38.3%	858	859	1	0.1%
39.5%	858	858	1	0.1%
40.7%	857	858	1	0.1%
42.0%	854	858	4	0.5%
43.2%	853	855	2	0.3%
44.4%	852	853	1	0.1%
45.7%	851	852	1	0.1%
46.9%	851	851	0	0.0%
48.1%	851	851	0	0.0%
49.4%	850	851	1	0.1%
50.6%	849	850	1	0.1%
51.9%	849	850	1	0.2%
53.1%	849	850	1	0.1%
54.3%	849	849	1	0.1%
55.6%	849	849	0	0.0%
56.8%	849	849	0	0.0%
58.0%	849	849	0	0.0%
59.3%	849	849	0	0.0%
60.5%	847	849	2	0.2%
61.7%	845	849	3	0.4%
63.0%	842	849	7	0.8%
64.2%	841	847	5	0.6%
65.4%	831	845	15	1.8%
66.7%	828	836	8	0.9%
67.9%	824	832	8	1.0%
69.1%	821	830	9	1.1%
70.4%	817	828	11	1.3%
71.6%	816	826	9	1.1%
72.8%	811	823	12	1.5%
74.1%	807	820	13	1.6%
75.3%	807	817	10	1.3%
76.5%	801	816	14	1.8%
77.8%	801	814	13	1.7%
79.0%	798	814	16	2.1%
80.2%	796	811	15	1.9%
81.5%	796	810	14	1.8%
82.7%	794	805	11	1.4%
84.0%	788	800	11	1.4%
85.2%	783	797	14	1.8%
86.4%	779	791	12	1.5%
87.7%	769	791	22	2.8%
88.9%	768	776	8	1.1%
90.1%	759	751	-7	-1.0%
91.4%	735	743	9	1.2%
92.6%	726	737	11	1.5%
93.8%	725	736	11	1.5%
95.1%	724	734	11	1.5%
96.3%	721	732	11	1.5%
97.5%	711	727	16	2.2%
98.8%	702	701	-1	-0.1%
100.0%	693	696	3	0.5%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	894	894	0	0.0%
4.9%	893	893	0	0.0%
6.2%	892	892	0	0.0%
7.4%	890	890	0	0.0%
8.6%	890	890	0	0.0%
9.9%	888	888	0	0.0%
11.1%	888	888	0	0.0%
12.3%	888	888	0	0.0%
13.6%	887	887	0	0.0%
14.8%	887	887	0	0.0%
16.0%	887	887	0	0.0%
17.3%	887	887	0	0.0%
18.5%	886	886	0	0.0%
19.8%	885	886	1	0.1%
21.0%	884	885	1	0.1%
22.2%	884	884	0	0.0%
23.5%	884	884	0	0.0%
24.7%	883	884	0	0.0%
25.9%	883	883	0	0.0%
27.2%	883	883	0	0.0%
28.4%	883	883	0	0.0%
29.6%	883	883	1	0.1%
30.9%	882	883	0	0.0%
32.1%	882	882	0	0.0%
33.3%	882	882	0	0.0%
34.6%	880	882	2	0.3%
35.8%	879	880	0	0.0%
37.0%	879	879	0	0.0%
38.3%	879	879	0	0.0%
39.5%	879	879	0	0.0%
40.7%	878	879	1	0.1%
42.0%	877	879	1	0.1%
43.2%	877	878	1	0.1%
44.4%	877	877	0	0.0%
45.7%	876	877	1	0.1%
46.9%	876	877	2	0.2%
48.1%	876	876	1	0.1%
49.4%	875	876	1	0.2%
50.6%	873	876	3	0.3%
51.9%	873	876	3	0.3%
53.1%	872	875	2	0.3%
54.3%	872	875	3	0.4%
55.6%	870	873	3	0.4%
56.8%	869	873	4	0.4%
58.0%	868	873	5	0.6%
59.3%	868	872	4	0.5%
60.5%	865	868	2	0.3%
61.7%	861	867	6	0.7%
63.0%	859	865	6	0.7%
64.2%	856	865	8	1.0%
65.4%	854	862	8	0.9%
66.7%	852	861	10	1.1%
67.9%	841	856	15	1.8%
69.1%	841	852	11	1.3%
70.4%	841	845	5	0.5%
71.6%	838	845	7	0.9%
72.8%	837	843	5	0.6%
74.1%	831	840	9	1.1%
75.3%	826	837	11	1.3%
76.5%	824	835	11	1.4%
77.8%	823	831	8	1.0%
79.0%	822	830	8	0.9%
80.2%	822	829	7	0.9%
81.5%	812	823	11	1.3%
82.7%	811	822	11	1.3%
84.0%	809	821	11	1.4%
85.2%	809	819	11	1.3%
86.4%	791	814	23	3.0%
87.7%	790	798	8	1.0%
88.9%	776	797	20	2.6%
90.1%	773	775	2	0.2%
91.4%	757	766	8	1.1%
92.6%	752	764	13	1.7%
93.8%	741	755	14	1.9%
95.1%	732	751	19	2.6%
96.3%	731	731	0	0.0%
97.5%	715	729	14	2.0%
98.8%	711	710	-1	-0.1%
100.0%	679	684	5	0.7%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	900	0	0.0%
22.2%	900	900	0	0.0%
23.5%	900	900	0	0.0%
24.7%	900	900	0	0.0%
25.9%	900	900	0	0.0%
27.2%	900	900	0	0.0%
28.4%	900	900	0	0.0%
29.6%	900	900	0	0.0%
30.9%	900	900	0	0.0%
32.1%	900	900	0	0.0%
33.3%	900	900	0	0.0%
34.6%	900	900	0	0.0%
35.8%	899	900	0	0.0%
37.0%	899	899	0	0.0%
38.3%	898	898	0	0.0%
39.5%	897	898	1	0.1%
40.7%	896	897	1	0.1%
42.0%	895	896	1	0.2%
43.2%	891	896	5	0.5%
44.4%	891	895	4	0.4%
45.7%	889	891	3	0.3%
46.9%	888	891	3	0.3%
48.1%	887	888	1	0.1%
49.4%	883	887	3	0.4%
50.6%	881	884	3	0.3%
51.9%	879	883	4	0.5%
53.1%	879	883	4	0.4%
54.3%	877	882	4	0.5%
55.6%	877	881	4	0.5%
56.8%	876	879	3	0.3%
58.0%	875	877	2	0.2%
59.3%	872	877	5	0.5%
60.5%	871	875	4	0.5%
61.7%	861	870	9	1.1%
63.0%	859	868	9	1.0%
64.2%	859	865	6	0.7%
65.4%	856	865	9	1.1%
66.7%	855	865	9	1.1%
67.9%	854	860	6	0.7%
69.1%	854	859	5	0.6%
70.4%	852	857	5	0.6%
71.6%	851	856	5	0.6%
72.8%	849	855	6	0.7%
74.1%	845	851	6	0.7%
75.3%	841	850	9	1.1%
76.5%	836	850	14	1.7%
77.8%	835	839	5	0.5%
79.0%	829	837	8	1.0%
80.2%	827	833	6	0.8%
81.5%	824	828	4	0.5%
82.7%	820	828	8	1.0%
84.0%	818	821	2	0.3%
85.2%	794	820	26	3.3%
86.4%	787	819	33	4.1%
87.7%	783	800	18	2.3%
88.9%	780	792	12	1.6%
90.1%	778	791	13	1.6%
91.4%	772	778	6	0.8%
92.6%	753	765	12	1.6%
93.8%	747	755	8	1.1%
95.1%	732	739	7	1.0%
96.3%	725	724	-1	-0.1%
97.5%	718	724	6	0.8%
98.8%	705	717	13	1.8%
100.0%	672	677	5	0.7%

Table SW-19-9b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	900	900	0	0.0%
17.3%	900	900	0	0.0%
18.5%	900	900	0	0.0%
19.8%	900	900	0	0.0%
21.0%	900	899	-1	-0.1%
22.2%	900	899	-1	-0.1%
23.5%	900	899	-1	-0.1%
24.7%	900	899	-1	-0.1%
25.9%	900	899	-1	-0.1%
27.2%	900	899	-1	-0.1%
28.4%	900	898	-1	-0.2%
29.6%	900	898	-2	-0.2%
30.9%	900	898	-2	-0.2%
32.1%	897	897	0	0.0%
33.3%	896	892	-4	-0.5%
34.6%	895	891	-4	-0.5%
35.8%	892	891	-1	-0.2%
37.0%	892	890	-2	-0.2%
38.3%	887	889	2	0.2%
39.5%	884	889	5	0.6%
40.7%	882	884	2	0.2%
42.0%	881	884	3	0.3%
43.2%	881	883	2	0.2%
44.4%	878	883	5	0.6%
45.7%	878	880	3	0.3%
46.9%	876	880	3	0.4%
48.1%	875	879	4	0.5%
49.4%	871	876	6	0.6%
50.6%	870	873	2	0.3%
51.9%	870	872	2	0.2%
53.1%	869	871	2	0.2%
54.3%	867	870	3	0.3%
55.6%	865	869	4	0.4%
56.8%	863	867	4	0.5%
58.0%	860	865	5	0.6%
59.3%	858	863	5	0.6%
60.5%	855	862	6	0.7%
61.7%	855	858	3	0.3%
63.0%	854	855	1	0.1%
64.2%	853	853	1	0.1%
65.4%	851	853	1	0.2%
66.7%	843	852	9	1.1%
67.9%	842	846	4	0.5%
69.1%	841	844	2	0.3%
70.4%	838	843	5	0.6%
71.6%	836	843	8	0.9%
72.8%	834	842	8	0.9%
74.1%	832	838	6	0.8%
75.3%	828	838	10	1.3%
76.5%	820	835	16	1.9%
77.8%	815	832	16	2.0%
79.0%	814	827	13	1.6%
80.2%	813	823	10	1.2%
81.5%	811	823	12	1.5%
82.7%	798	809	11	1.3%
84.0%	797	808	10	1.3%
85.2%	785	804	19	2.4%
86.4%	766	802	36	4.7%
87.7%	761	787	27	3.5%
88.9%	760	775	15	2.0%
90.1%	753	769	15	2.0%
91.4%	749	762	13	1.7%
92.6%	734	756	21	2.9%
93.8%	726	740	14	1.9%
95.1%	714	719	5	0.7%
96.3%	706	716	10	1.4%
97.5%	687	708	21	3.0%
98.8%	681	703	22	3.2%
100.0%	635	641	6	1.0%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	896	-4	-0.5%
4.9%	900	895	-5	-0.6%
6.2%	894	892	-2	-0.2%
7.4%	890	887	-2	-0.3%
8.6%	889	886	-3	-0.4%
9.9%	885	882	-3	-0.4%
11.1%	878	880	2	0.2%
12.3%	877	876	-1	-0.1%
13.6%	875	875	0	0.0%
14.8%	872	874	1	0.2%
16.0%	871	870	-1	-0.1%
17.3%	870	870	0	0.0%
18.5%	867	865	-2	-0.2%
19.8%	865	865	0	0.0%
21.0%	865	865	0	0.0%
22.2%	865	863	-2	-0.2%
23.5%	864	863	-1	-0.1%
24.7%	863	862	-1	-0.1%
25.9%	863	861	-1	-0.2%
27.2%	862	861	-1	-0.1%
28.4%	861	860	-1	-0.1%
29.6%	860	858	-2	-0.2%
30.9%	859	858	-1	-0.2%
32.1%	856	856	0	-0.1%
33.3%	856	855	-1	-0.1%
34.6%	854	850	-3	-0.4%
35.8%	851	850	-1	-0.1%
37.0%	850	850	0	0.0%
38.3%	846	850	3	0.4%
39.5%	841	849	8	1.0%
40.7%	840	847	7	0.8%
42.0%	839	845	6	0.7%
43.2%	839	844	5	0.6%
44.4%	838	841	3	0.3%
45.7%	838	841	3	0.3%
46.9%	837	838	1	0.1%
48.1%	833	838	5	0.6%
49.4%	832	836	4	0.5%
50.6%	831	835	3	0.4%
51.9%	831	833	3	0.3%
53.1%	827	833	6	0.7%
54.3%	826	830	4	0.5%
55.6%	823	828	5	0.6%
56.8%	822	826	4	0.5%
58.0%	815	822	7	0.9%
59.3%	814	820	5	0.7%
60.5%	814	819	6	0.7%
61.7%	813	817	3	0.4%
63.0%	811	812	1	0.1%
64.2%	807	812	5	0.6%
65.4%	803	810	7	0.9%
66.7%	791	801	11	1.3%
67.9%	790	798	8	1.0%
69.1%	790	797	6	0.8%
70.4%	790	796	7	0.8%
71.6%	789	796	7	0.9%
72.8%	787	795	8	1.0%
74.1%	779	793	14	1.8%
75.3%	771	793	22	2.9%
76.5%	760	789	29	3.8%
77.8%	760	783	24	3.1%
79.0%	754	772	19	2.5%
80.2%	751	771	20	2.7%
81.5%	750	767	18	2.3%
82.7%	738	764	26	3.6%
84.0%	735	764	29	4.0%
85.2%	735	754	19	2.6%
86.4%	704	751	47	6.6%
87.7%	693	721	29	4.2%
88.9%	692	716	23	3.4%
90.1%	689	708	20	2.9%
91.4%	687	707	21	3.0%
92.6%	668	696	27	4.1%
93.8%	664	689	25	3.8%
95.1%	662	662	0	-0.1%
96.3%	662	659	-3	-0.4%
97.5%	661	658	-3	-0.5%
98.8%	648	655	7	1.0%
100.0%	624	594	-31	-4.9%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	894	-6	-0.6%
1.2%	900	894	-6	-0.7%
2.5%	899	893	-6	-0.7%
3.7%	896	890	-7	-0.7%
4.9%	895	884	-11	-1.3%
6.2%	885	881	-4	-0.4%
7.4%	885	878	-7	-0.8%
8.6%	883	877	-5	-0.6%
9.9%	878	876	-1	-0.2%
11.1%	877	873	-4	-0.5%
12.3%	864	863	0	0.0%
13.6%	863	860	-3	-0.3%
14.8%	862	857	-6	-0.7%
16.0%	859	856	-3	-0.3%
17.3%	857	856	-2	-0.2%
18.5%	852	855	3	0.3%
19.8%	850	853	3	0.4%
21.0%	849	849	-1	-0.1%
22.2%	844	848	5	0.6%
23.5%	843	848	5	0.6%
24.7%	841	847	6	0.7%
25.9%	837	842	4	0.5%
27.2%	837	840	3	0.4%
28.4%	833	838	5	0.6%
29.6%	833	834	2	0.2%
30.9%	832	833	2	0.2%
32.1%	830	833	3	0.4%
33.3%	829	833	4	0.5%
34.6%	825	833	8	0.9%
35.8%	823	830	6	0.8%
37.0%	819	825	6	0.7%
38.3%	818	823	5	0.7%
39.5%	812	823	11	1.4%
40.7%	811	821	10	1.2%
42.0%	810	819	9	1.1%
43.2%	808	818	9	1.2%
44.4%	808	817	8	1.0%
45.7%	806	816	10	1.2%
46.9%	805	815	10	1.2%
48.1%	803	811	9	1.1%
49.4%	800	810	10	1.2%
50.6%	795	805	10	1.2%
51.9%	791	803	12	1.6%
53.1%	790	799	9	1.1%
54.3%	786	789	3	0.4%
55.6%	785	787	1	0.2%
56.8%	782	786	5	0.6%
58.0%	778	782	5	0.6%
59.3%	770	778	8	1.0%
60.5%	769	774	5	0.6%
61.7%	768	769	1	0.1%
63.0%	765	765	0	0.0%
64.2%	760	764	4	0.5%
65.4%	756	763	7	0.9%
66.7%	755	763	8	1.1%
67.9%	750	763	13	1.8%
69.1%	747	753	5	0.7%
70.4%	743	748	5	0.6%
71.6%	741	746	4	0.6%
72.8%	730	745	15	2.1%
74.1%	725	744	19	2.6%
75.3%	723	743	19	2.7%
76.5%	718	742	23	3.2%
77.8%	711	726	15	2.2%
79.0%	703	722	19	2.6%
80.2%	703	721	18	2.5%
81.5%	696	715	19	2.7%
82.7%	686	714	28	4.0%
84.0%	683	711	28	4.1%
85.2%	680	710	30	4.3%
86.4%	678	685	7	1.0%
87.7%	678	684	6	0.9%
88.9%	676	683	6	0.9%
90.1%	670	681	12	1.7%
91.4%	658	665	7	1.1%
92.6%	656	649	-8	-1.2%
93.8%	649	647	-2	-0.3%
95.1%	644	646	3	0.4%
96.3%	644	642	-1	-0.2%
97.5%	641	642	0	0.1%
98.8%	637	634	-3	-0.4%
100.0%	624	594	-30	-4.9%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	887	887	0	0.0%
1.2%	887	887	0	0.0%
2.5%	879	873	-6	-0.7%
3.7%	871	857	-14	-1.7%
4.9%	867	854	-14	-1.6%
6.2%	864	848	-16	-1.9%
7.4%	858	844	-13	-1.6%
8.6%	853	842	-11	-1.3%
9.9%	849	840	-9	-1.0%
11.1%	842	837	-5	-0.5%
12.3%	839	831	-7	-0.8%
13.6%	827	828	1	0.1%
14.8%	824	827	3	0.3%
16.0%	824	824	-1	-0.1%
17.3%	824	822	-2	-0.3%
18.5%	822	820	-2	-0.3%
19.8%	818	819	2	0.2%
21.0%	815	818	3	0.4%
22.2%	811	818	7	0.9%
23.5%	809	817	8	1.0%
24.7%	808	815	7	0.9%
25.9%	802	810	8	1.0%
27.2%	801	808	7	0.8%
28.4%	800	807	7	0.8%
29.6%	800	807	7	0.8%
30.9%	798	803	4	0.6%
32.1%	794	800	6	0.7%
33.3%	792	799	7	0.8%
34.6%	790	799	8	1.0%
35.8%	786	797	11	1.4%
37.0%	781	795	14	1.8%
38.3%	781	790	9	1.2%
39.5%	780	788	8	1.1%
40.7%	778	787	9	1.1%
42.0%	776	786	9	1.2%
43.2%	776	783	7	1.0%
44.4%	772	782	10	1.4%
45.7%	772	780	8	1.0%
46.9%	769	779	10	1.2%
48.1%	766	776	10	1.3%
49.4%	766	773	8	1.0%
50.6%	764	772	7	1.0%
51.9%	763	770	7	1.0%
53.1%	762	768	6	0.8%
54.3%	760	767	7	0.9%
55.6%	758	765	8	1.0%
56.8%	754	758	4	0.6%
58.0%	751	756	5	0.7%
59.3%	745	754	9	1.2%
60.5%	741	751	10	1.3%
61.7%	741	750	9	1.3%
63.0%	740	744	4	0.5%
64.2%	736	743	7	1.0%
65.4%	735	739	4	0.5%
66.7%	735	733	-2	-0.3%
67.9%	731	731	0	-0.1%
69.1%	731	727	-4	-0.6%
70.4%	721	726	5	0.7%
71.6%	714	725	11	1.5%
72.8%	711	724	12	1.7%
74.1%	711	723	12	1.7%
75.3%	707	719	12	1.7%
76.5%	699	715	16	2.3%
77.8%	694	707	13	1.9%
79.0%	690	700	10	1.5%
80.2%	687	699	12	1.8%
81.5%	684	696	12	1.8%
82.7%	683	696	13	1.9%
84.0%	679	685	6	0.9%
85.2%	676	682	7	1.0%
86.4%	672	681	10	1.4%
87.7%	670	678	8	1.2%
88.9%	669	672	3	0.5%
90.1%	657	671	14	2.1%
91.4%	653	668	15	2.3%
92.6%	652	643	-9	-1.4%
93.8%	644	641	-3	-0.4%
95.1%	641	641	0	0.0%
96.3%	632	638	6	1.0%
97.5%	625	638	13	2.0%
98.8%	620	617	-2	-0.4%
100.0%	614	595	-19	-3.0%

Table SW-20-9a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	9,534	9,758	10,296	11,062	11,830	12,579	13,507	13,966	13,553	11,845	10,745	9,776
Alternative D	9,703	9,924	10,514	11,262	12,014	12,752	13,688	14,147	13,756	12,066	10,927	9,911
Difference	169	167	218	200	184	173	181	180	203	221	182	135
Percent Difference[3]	1.8%	1.7%	2.1%	1.8%	1.6%	1.4%	1.3%	1.3%	1.5%	1.9%	1.7%	1.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	11,847	12,023	12,241	12,918	13,543	13,827	15,023	15,703	15,620	14,426	13,760	12,187
Alternative D	11,777	11,971	12,285	12,973	13,560	13,827	15,023	15,703	15,604	14,397	13,727	12,086
Difference	-70	-51	44	56	17	0	0	0	-16	-29	-33	-101
Percent Difference	-0.6%	-0.4%	0.4%	0.4%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.8%
Above Normal (15%)												
No Action Alternative	10,387	10,592	10,976	11,576	12,691	13,776	14,982	15,670	15,320	13,416	12,098	10,669
Alternative D	10,382	10,565	11,108	11,626	12,750	13,833	15,039	15,670	15,249	13,350	12,119	10,620
Difference	-5	-27	132	50	60	57	57	0	-71	-66	21	-48
Percent Difference	0.0%	-0.3%	1.2%	0.4%	0.5%	0.4%	0.4%	0.0%	-0.5%	-0.5%	0.2%	-0.5%
Below Normal (17%)												
No Action Alternative	10,028	10,289	11,051	10,718	11,676	12,599	13,908	14,647	14,284	12,301	10,833	10,199
Alternative D	10,540	10,765	11,382	11,148	12,060	12,920	14,218	14,960	14,551	12,594	11,234	10,666
Difference	512	476	331	430	384	320	310	313	267	292	401	467
Percent Difference	5.1%	4.6%	3.0%	4.0%	3.3%	2.5%	2.2%	2.1%	1.9%	2.4%	3.7%	4.6%
Dry (22%)												
No Action Alternative	7,519	7,867	8,819	9,887	10,746	11,899	12,575	12,726	11,976	9,862	8,266	7,749
Alternative D	7,858	8,206	9,238	10,122	10,982	12,171	12,854	13,033	12,383	10,409	8,702	8,060
Difference	339	339	419	235	236	272	279	307	407	547	436	312
Percent Difference	4.5%	4.3%	4.8%	2.4%	2.2%	2.3%	2.2%	2.4%	3.4%	5.5%	5.3%	4.0%
Critical (15%)												
No Action Alternative	6,116	6,230	6,735	8,691	9,061	9,676	9,678	9,567	8,823	7,124	6,474	6,205
Alternative D	6,324	6,446	6,984	9,034	9,419	10,021	10,078	9,974	9,390	7,600	6,647	6,384
Difference	208	216	249	342	358	345	401	407	567	476	173	179
Percent Difference	3.4%	3.5%	3.7%	3.9%	3.9%	3.6%	4.1%	4.3%	6.4%	6.7%	2.7%	2.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-20-9b
Lake Oroville, End of Month Area
Probability of Exceedance

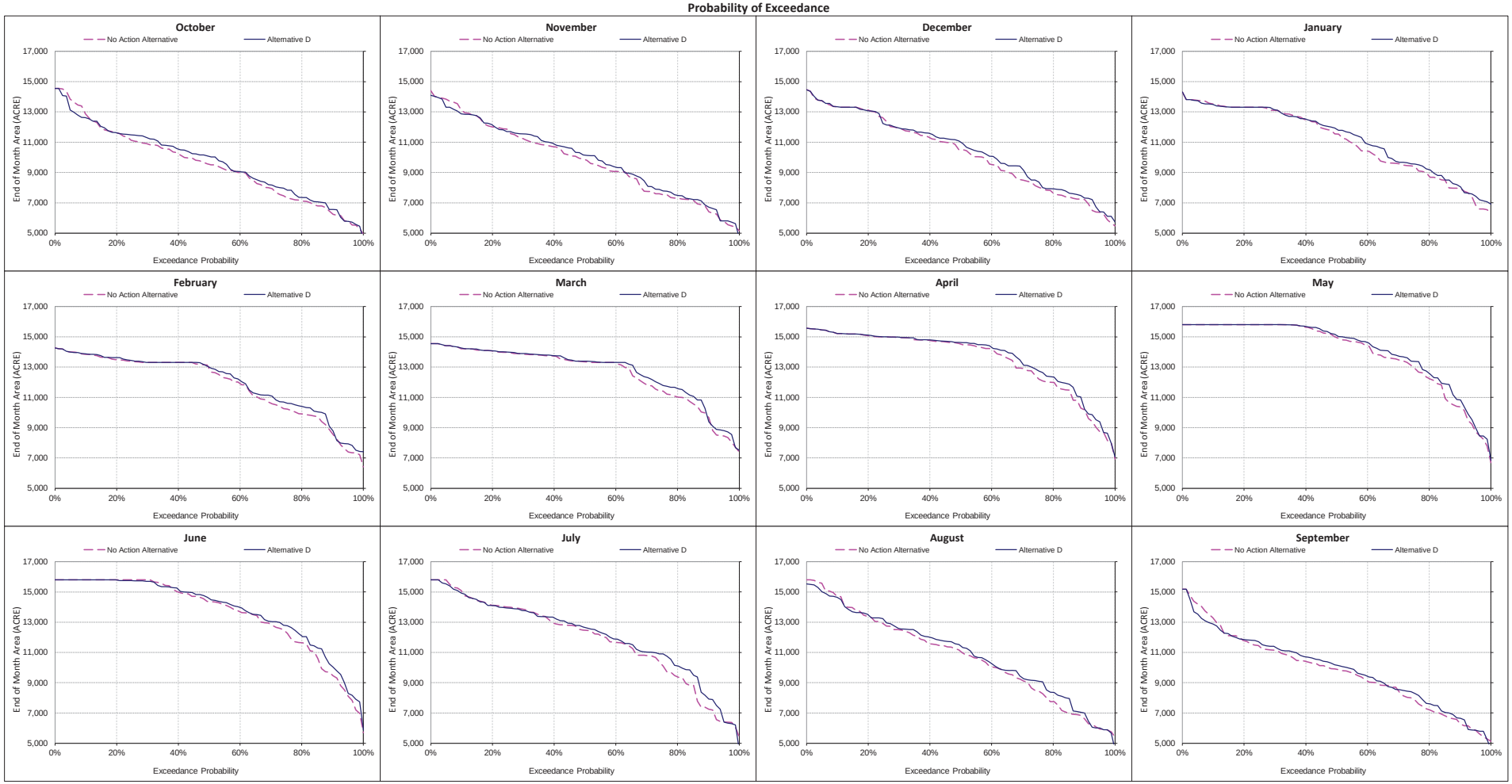

Table SW-20-9b

Lake Oroville, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,507	14,079	-429	-3.0%
3.7%	14,358	14,044	-313	-2.2%
4.9%	13,847	13,117	-729	-5.3%
6.2%	13,638	12,974	-664	-4.9%
7.4%	13,463	12,783	-680	-5.1%
8.6%	13,388	12,646	-743	-5.5%
9.9%	12,870	12,620	-250	-1.9%
11.1%	12,581	12,534	-47	-0.4%
12.3%	12,397	12,394	-3	0.0%
13.6%	12,301	12,389	88	0.7%
14.8%	11,951	12,061	111	0.9%
16.0%	11,814	11,951	137	1.2%
17.3%	11,756	11,756	1	0.0%
18.5%	11,696	11,651	-45	-0.4%
19.8%	11,633	11,628	-5	0.0%
21.0%	11,565	11,565	0	0.0%
22.2%	11,395	11,538	143	1.3%
23.5%	11,345	11,511	166	1.5%
24.7%	11,123	11,477	354	3.2%
25.9%	11,060	11,459	399	3.6%
27.2%	11,034	11,442	407	3.7%
28.4%	10,943	11,420	477	4.4%
29.6%	10,918	11,317	400	3.7%
30.9%	10,834	11,211	378	3.5%
32.1%	10,832	11,195	363	3.4%
33.3%	10,782	11,084	302	2.8%
34.6%	10,604	10,820	216	2.0%
35.8%	10,545	10,796	252	2.4%
37.0%	10,537	10,771	234	2.2%
38.3%	10,360	10,733	373	3.6%
39.5%	10,309	10,585	276	2.7%
40.7%	10,149	10,490	340	3.4%
42.0%	9,989	10,486	497	5.0%
43.2%	9,957	10,378	421	4.2%
44.4%	9,950	10,246	295	3.0%
45.7%	9,808	10,230	422	4.3%
46.9%	9,777	10,163	385	3.9%
48.1%	9,675	10,158	483	5.0%
49.4%	9,566	10,100	534	5.6%
50.6%	9,505	10,027	522	5.5%
51.9%	9,501	10,021	520	5.5%
53.1%	9,392	9,781	389	4.1%
54.3%	9,278	9,701	423	4.6%
55.6%	9,149	9,541	392	4.3%
56.8%	9,131	9,215	84	0.9%
58.0%	9,105	9,072	-33	-0.4%
59.3%	9,006	9,071	66	0.7%
60.5%	9,003	9,033	29	0.3%
61.7%	8,976	9,026	50	0.6%
63.0%	8,642	8,774	132	1.5%
64.2%	8,484	8,616	133	1.6%
65.4%	8,267	8,516	250	3.0%
66.7%	8,196	8,423	226	2.8%
67.9%	8,022	8,373	351	4.4%
69.1%	7,995	8,205	211	2.6%
70.4%	7,931	8,174	243	3.1%
71.6%	7,682	8,046	364	4.7%
72.8%	7,552	7,996	444	5.9%
74.1%	7,455	7,968	513	6.9%
75.3%	7,309	7,832	523	7.2%
76.5%	7,269	7,829	560	7.7%
77.8%	7,197	7,553	356	4.9%
79.0%	7,173	7,370	197	2.7%
80.2%	7,111	7,349	237	3.3%
81.5%	7,091	7,341	250	3.5%
82.7%	7,008	7,178	170	2.4%
84.0%	6,860	7,084	224	3.3%
85.2%	6,788	7,063	274	4.0%
86.4%	6,786	7,021	235	3.5%
87.7%	6,696	6,990	294	4.4%
88.9%	6,460	6,565	106	1.6%
90.1%	6,233	6,556	323	5.2%
91.4%	6,179	6,535	356	5.8%
92.6%	6,151	6,041	-111	-1.8%
93.8%	5,802	5,789	-14	-0.2%
95.1%	5,800	5,772	-28	-0.5%
96.3%	5,534	5,725	190	3.4%
97.5%	5,513	5,564	51	0.9%
98.8%	5,278	5,451	174	3.3%
100.0%	4,903	4,567	-337	-6.9%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,407	14,093	-314	-2.2%
1.2%	14,037	14,037	0	0.0%
2.5%	13,947	13,947	0	0.0%
3.7%	13,906	13,844	-62	-0.4%
4.9%	13,844	13,304	-540	-3.9%
6.2%	13,706	13,304	-402	-2.9%
7.4%	13,649	13,184	-465	-3.4%
8.6%	13,542	13,053	-488	-3.6%
9.9%	13,124	12,880	-244	-1.9%
11.1%	12,940	12,846	-93	-0.7%
12.3%	12,912	12,840	-72	-0.6%
13.6%	12,782	12,814	32	0.2%
14.8%	12,759	12,755	-4	0.0%
16.0%	12,547	12,602	56	0.4%
17.3%	12,217	12,267	50	0.4%
18.5%	12,091	12,258	167	1.4%
19.8%	12,020	12,175	154	1.3%
21.0%	11,981	11,981	0	0.0%
22.2%	11,955	11,841	-114	-1.0%
23.5%	11,879	11,823	-56	-0.5%
24.7%	11,871	11,705	-166	-1.4%
25.9%	11,561	11,695	133	1.2%
27.2%	11,506	11,611	106	0.9%
28.4%	11,353	11,573	220	1.9%
29.6%	11,263	11,558	294	2.6%
30.9%	11,150	11,528	379	3.4%
32.1%	11,052	11,513	461	4.2%
33.3%	10,956	11,417	461	4.2%
34.6%	10,913	11,374	461	4.2%
35.8%	10,838	11,116	278	2.6%
37.0%	10,809	11,038	229	2.1%
38.3%	10,761	11,006	245	2.3%
39.5%	10,704	10,923	219	2.0%
40.7%	10,678	10,789	111	1.0%
42.0%	10,583	10,739	156	1.5%
43.2%	10,237	10,694	457	4.5%
44.4%	10,175	10,631	455	4.5%
45.7%	10,091	10,598	507	5.0%
46.9%	10,078	10,324	246	2.4%
48.1%	9,950	10,314	365	3.7%
49.4%	9,890	10,162	271	2.7%
50.6%	9,808	10,135	326	3.3%
51.9%	9,593	10,113	520	5.4%
53.1%	9,552	10,108	556	5.8%
54.3%	9,448	9,812	364	3.9%
55.6%	9,339	9,761	422	4.5%
56.8%	9,296	9,526	230	2.5%
58.0%	9,106	9,498	392	4.3%
59.3%	9,077	9,391	314	3.5%
60.5%	9,066	9,321	254	2.8%
61.7%	9,045	9,317	272	3.0%
63.0%	9,041	8,978	-63	-0.7%
64.2%	8,739	8,962	223	2.6%
65.4%	8,630	8,893	264	3.1%
66.7%	8,582	8,762	180	2.1%
67.9%	8,065	8,671	606	7.5%
69.1%	7,767	8,450	683	8.8%
70.4%	7,741	8,083	342	4.4%
71.6%	7,741	8,068	327	4.2%
72.8%	7,592	7,891	299	3.9%
74.1%	7,590	7,888	298	3.9%
75.3%	7,536	7,788	252	3.3%
76.5%	7,530	7,757	228	3.0%
77.8%	7,342	7,700	358	4.9%
79.0%	7,319	7,524	204	2.8%
80.2%	7,298	7,488	190	2.6%
81.5%	7,244	7,467	223	3.1%
82.7%	7,222	7,299	77	1.1%
84.0%	7,212	7,258	46	0.6%
85.2%	7,151	7,216	65	0.9%
86.4%	6,927	7,204	277	4.0%
87.7%	6,875	7,122	247	3.6%
88.9%	6,790	6,854	63	0.9%
90.1%	6,405	6,712	307	4.8%
91.4%	6,314	6,631	317	5.0%
92.6%	6,261	6,540	279	4.5%
93.8%	5,877	5,812	-65	-1.1%
95.1%	5,764	5,807	44	0.8%
96.3%	5,546	5,801	255	4.6%
97.5%	5,465	5,729	264	4.8%
98.8%	5,403	5,618	215	4.0%
100.0%	5,153	4,692	-461	-9.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,474	14,474	0	0.0%
1.2%	14,367	14,367	0	0.0%
2.5%	13,919	14,035	116	0.8%
3.7%	13,777	13,777	0	0.0%
4.9%	13,737	13,737	0	0.0%
6.2%	13,564	13,567	3	0.0%
7.4%	13,480	13,564	84	0.6%
8.6%	13,364	13,364	0	0.0%
9.9%	13,344	13,344	0	0.0%
11.1%	13,304	13,304	0	0.0%
12.3%	13,304	13,304	0	0.0%
13.6%	13,304	13,304	0	0.0%
14.8%	13,304	13,304	0	0.0%
16.0%	13,304	13,304	0	0.0%
17.3%	13,241	13,168	-74	-0.6%
18.5%	13,142	13,134	-8	-0.1%
19.8%	13,134	13,081	-54	-0.4%
21.0%	13,035	13,062	28	0.2%
22.2%	13,003	13,025	23	0.2%
23.5%	12,701	12,884	183	1.4%
24.7%	12,630	12,234	-396	-3.1%
25.9%	12,371	12,131	-241	-1.9%
27.2%	12,027	12,122	95	0.8%
28.4%	12,002	12,027	25	0.2%
29.6%	11,941	11,954	12	0.1%
30.9%	11,873	11,892	19	0.2%
32.1%	11,757	11,870	113	1.0%
33.3%	11,717	11,814	97	0.8%
34.6%	11,653	11,809	157	1.3%
35.8%	11,592	11,669	77	0.7%
37.0%	11,455	11,666	210	1.8%
38.3%	11,430	11,610	179	1.6%
39.5%	11,341	11,596	254	2.2%
40.7%	11,221	11,517	296	2.6%
42.0%	11,186	11,347	161	1.4%
43.2%	11,041	11,265	224	2.0%
44.4%	11,009	11,263	254	2.3%
45.7%	10,985	11,214	229	2.1%
46.9%	10,984	11,178	195	1.8%
48.1%	10,859	11,158	298	2.7%
49.4%	10,510	11,076	566	5.4%
50.6%	10,506	10,913	407	3.9%
51.9%	10,438	10,655	217	2.1%
53.1%	10,234	10,568	334	3.3%
54.3%	10,050	10,463	413	4.1%
55.6%	10,042	10,394	352	3.5%
56.8%	10,028	10,370	342	3.4%
58.0%	9,942	10,233	291	2.9%
59.3%	9,564	10,080	516	5.4%
60.5%	9,503	10,062	559	5.9%
61.7%	9,485	9,874	389	4.1%
63.0%	9,135	9,610	475	5.2%
64.2%	9,101	9,592	491	5.4%
65.4%	8,999	9,446	447	5.0%
66.7%	8,923	9,441	518	5.8%
67.9%	8,640	9,435	795	9.2%
69.1%	8,529	9,419	890	10.4%
70.4%	8,479	9,132	653	7.7%
71.6%	8,421	8,722	301	3.6%
72.8%	8,357	8,508	151	1.8%
74.1%	8,132	8,501	368	4.5%
75.3%	8,018	8,367	349	4.4%
76.5%	7,929	7,997	67	0.9%
77.8%	7,825	7,934	109	1.4%
79.0%	7,813	7,929	116	1.5%
80.2%	7,571	7,921	350	4.6%
81.5%	7,531	7,886	355	4.7%
82.7%	7,495	7,858	363	4.8%
84.0%	7,392	7,783	391	5.3%
85.2%	7,385	7,628	243	3.3%
86.4%	7,294	7,600	306	4.2%
87.7%	7,243	7,552	309	4.3%
88.9%	7,236	7,476	240	3.3%
90.1%	7,212	7,321	109	1.5%
91.4%	6,927	7,303	376	5.4%
92.6%	6,487	7,213	726	11.2%
93.8%	6,383	6,725	343	5.4%
95.1%	6,365	6,404	38	0.6%
96.3%	6,247	6,384	137	2.2%
97.5%	5,873	6,104	231	3.9%
98.8%	5,655	6,103	448	7.9%
100.0%	5,475	5,732	257	4.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,314	0	0.0%
1.2%	13,821	13,821	0	0.0%
2.5%	13,811	13,811	0	0.0%
3.7%	13,801	13,757	-44	-0.3%
4.9%	13,757	13,751	-7	0.0%
6.2%	13,751	13,577	-173	-1.3%
7.4%	13,714	13,527	-188	-1.4%
8.6%	13,577	13,524	-53	-0.4%
9.9%	13,524	13,497	-27	-0.2%
11.1%	13,497	13,387	-110	-0.8%
12.3%	13,387	13,374	-13	-0.1%
13.6%	13,374	13,345	-29	-0.2%
14.8%	13,304	13,335	31	0.2%
16.0%	13,304	13,318	14	0.1%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,301	13,304	3	0.0%
27.2%	13,257	13,304	47	0.4%
28.4%	13,107	13,301	194	1.5%
29.6%	13,100	13,152	52	0.4%
30.9%	13,093	13,103	10	0.1%
32.1%	12,981	12,917	-64	-0.5%
33.3%	12,879	12,790	-89	-0.7%
34.6%	12,862	12,715	-147	-1.1%
35.8%	12,776	12,709	-67	-0.5%
37.0%	12,698	12,671	-27	-0.2%
38.3%	12,662	12,557	-105	-0.8%
39.5%	12,513	12,554	41	0.3%
40.7%	12,473	12,472	-1	0.0%
42.0%	12,353	12,413	59	0.5%
43.2%	12,332	12,380	48	0.4%
44.4%	11,990	12,202	212	1.8%
45.7%	11,900	12,105	206	1.7%
46.9%	11,841	12,052	211	1.8%
48.1%	11,779	12,006	227	1.9%
49.4%	11,554	11,940	386	3.3%
50.6%	11,527	11,788	261	2.3%
51.9%	11,287	11,782	496	4.4%
53.1%	11,197	11,689	492	4.4%
54.3%	11,006	11,643	637	5.8%
55.6%	10,912	11,493	581	5.3%
56.8%	10,699	11,418	719	6.7%
58.0%	10,425	11,321	895	8.6%
59.3%	10,422	10,942	521	5.0%
60.5%	10,388	10,853	465	4.5%
61.7%	10,226	10,763	537	5.2%
63.0%	10,083	10,729	646	6.4%
64.2%	9,755	10,627	872	8.9%
65.4%	9,692	10,570	878	9.1%
66.7%	9,627	9,989	361	3.8%
67.9%	9,622	9,919	296	3.1%
69.1%	9,598	9,741	143	1.5%
70.4%	9,578	9,681	103	1.1%
71.6%	9,494	9,680	187	2.0%
72.8%	9,459	9,637	178	1.9%
74.1%	9,446	9,578	132	1.4%
75.3%	9,401	9,557	156	1.7%
76.5%	9,106	9,502	396	4.4%
77.8%	9,065	9,420	355	3.9%
79.0%	8,998	9,239	241	2.7%
80.2%	8,685	9,167	482	5.6%
81.5%	8,683	8,951	268	3.1%
82.7%	8,612	8,807	195	2.3%
84.0%	8,521	8,802	281	3.3%
85.2%	8,486	8,499	13	0.2%
86.4%	7,977	8,496	518	6.5%
87.7%	7,968	8,268	301	3.8%
88.9%	7,964	8,203	239	3.0%
90.1%	7,932	8,047	115	1.4%
91.4%	7,756	7,669	-87	-1.1%
92.6%	7,659	7,628	-30	-0.4%
93.8%	7,406	7,574	168	2.3%
95.1%	6,850	7,426	575	8.4%
96.3%	6,593	7,194	601	9.1%
97.5%	6,592	7,133	540	8.2%
98.8%	6,536	7,059	523	8.0%
100.0%	6,342	6,906	564	8.9%

Table SW-20-9b

Lake Oroville, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,271	0	0.0%
1.2%	14,207	14,206	-1	0.0%
2.5%	14,201	14,201	0	0.0%
3.7%	14,041	14,041	0	0.0%
4.9%	14,001	14,001	0	0.0%
6.2%	13,997	13,967	-30	-0.2%
7.4%	13,967	13,963	-4	0.0%
8.6%	13,884	13,897	13	0.1%
9.9%	13,851	13,884	33	0.2%
11.1%	13,847	13,851	3	0.0%
12.3%	13,790	13,847	57	0.4%
13.6%	13,761	13,836	75	0.5%
14.8%	13,660	13,761	101	0.7%
16.0%	13,644	13,644	0	0.0%
17.3%	13,624	13,637	13	0.1%
18.5%	13,531	13,632	101	0.7%
19.8%	13,495	13,624	129	1.0%
21.0%	13,474	13,622	148	1.1%
22.2%	13,451	13,531	80	0.6%
23.5%	13,411	13,474	63	0.5%
24.7%	13,387	13,451	63	0.5%
25.9%	13,364	13,394	30	0.2%
27.2%	13,335	13,387	53	0.4%
28.4%	13,304	13,364	60	0.5%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,304	3	0.0%
45.7%	13,214	13,304	90	0.7%
46.9%	13,185	13,301	116	0.9%
48.1%	13,157	13,177	20	0.2%
49.4%	13,140	13,055	-84	-0.6%
50.6%	12,678	12,917	239	1.9%
51.9%	12,632	12,854	222	1.8%
53.1%	12,517	12,704	187	1.5%
54.3%	12,317	12,686	369	3.0%
55.6%	12,266	12,573	307	2.5%
56.8%	12,195	12,557	362	3.0%
58.0%	12,011	12,296	284	2.4%
59.3%	12,011	12,215	204	1.7%
60.5%	11,831	12,034	203	1.7%
61.7%	11,831	11,896	65	0.5%
63.0%	11,414	11,481	67	0.6%
64.2%	11,115	11,305	190	1.7%
65.4%	11,026	11,224	198	1.8%
66.7%	10,900	11,160	260	2.4%
67.9%	10,856	11,155	299	2.8%
69.1%	10,692	11,144	452	4.2%
70.4%	10,577	11,077	500	4.7%
71.6%	10,505	10,835	331	3.1%
72.8%	10,411	10,710	299	2.9%
74.1%	10,266	10,695	429	4.2%
75.3%	10,220	10,617	397	3.9%
76.5%	10,143	10,602	458	4.5%
77.8%	10,034	10,509	476	4.7%
79.0%	9,930	10,448	517	5.2%
80.2%	9,898	10,388	490	4.9%
81.5%	9,855	10,325	469	4.8%
82.7%	9,820	10,309	489	5.0%
84.0%	9,770	10,096	326	3.3%
85.2%	9,720	10,048	328	3.4%
86.4%	9,406	10,007	601	6.4%
87.7%	9,206	9,910	704	7.6%
88.9%	8,879	9,098	218	2.5%
90.1%	8,548	8,783	236	2.8%
91.4%	8,243	8,144	-99	-1.2%
92.6%	7,855	7,981	126	1.6%
93.8%	7,612	7,952	340	4.5%
95.1%	7,395	7,936	541	7.3%
96.3%	7,351	7,825	474	6.5%
97.5%	7,342	7,513	171	2.3%
98.8%	7,214	7,423	209	2.9%
100.0%	6,412	7,410	997	15.6%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,554	14,554	0	0.0%
2.5%	14,551	14,551	0	0.0%
3.7%	14,454	14,488	34	0.2%
4.9%	14,421	14,421	0	0.0%
6.2%	14,411	14,411	0	0.0%
7.4%	14,361	14,361	0	0.0%
8.6%	14,331	14,331	0	0.0%
9.9%	14,221	14,272	51	0.4%
11.1%	14,207	14,221	13	0.1%
12.3%	14,204	14,207	3	0.0%
13.6%	14,191	14,204	13	0.1%
14.8%	14,131	14,191	60	0.4%
16.0%	14,104	14,131	27	0.2%
17.3%	14,101	14,104	3	0.0%
18.5%	14,091	14,101	10	0.1%
19.8%	14,071	14,085	14	0.1%
21.0%	14,007	14,071	63	0.5%
22.2%	13,994	14,014	20	0.1%
23.5%	13,977	14,007	30	0.2%
24.7%	13,971	13,994	23	0.2%
25.9%	13,937	13,977	41	0.3%
27.2%	13,891	13,971	80	0.6%
28.4%	13,891	13,891	0	0.0%
29.6%	13,857	13,891	33	0.2%
30.9%	13,847	13,891	43	0.3%
32.1%	13,824	13,857	33	0.2%
33.3%	13,821	13,847	27	0.2%
34.6%	13,801	13,824	23	0.2%
35.8%	13,797	13,821	23	0.2%
37.0%	13,767	13,801	33	0.2%
38.3%	13,751	13,797	47	0.3%
39.5%	13,737	13,767	30	0.2%
40.7%	13,707	13,751	43	0.3%
42.0%	13,544	13,737	194	1.4%
43.2%	13,501	13,611	111	0.8%
44.4%	13,454	13,501	47	0.3%
45.7%	13,401	13,454	53	0.4%
46.9%	13,401	13,401	0	0.0%
48.1%	13,390	13,401	10	0.1%
49.4%	13,359	13,398	40	0.3%
50.6%	13,334	13,387	53	0.4%
51.9%	13,304	13,371	67	0.5%
53.1%	13,304	13,353	48	0.4%
54.3%	13,304	13,334	30	0.2%
55.6%	13,304	13,304	0	0.0%
56.8%	13,304	13,304	0	0.0%
58.0%	13,304	13,304	0	0.0%
59.3%	13,304	13,304	0	0.0%
60.5%	13,207	13,304	97	0.7%
61.7%	13,137	13,304	167	1.3%
63.0%	12,975	13,304	329	2.5%
64.2%	12,943	13,200	256	2.0%
65.4%	12,421	13,133	713	5.7%
66.7%	12,281	12,660	379	3.1%
67.9%	12,102	12,508	406	3.4%
69.1%	11,937	12,368	431	3.6%
70.4%	11,786	12,297	511	4.3%
71.6%	11,760	12,183	423	3.6%
72.8%	11,552	12,038	486	4.2%
74.1%	11,428	11,919	491	4.3%
75.3%	11,414	11,792	378	3.3%
76.5%	11,207	11,732	525	4.7%
77.8%	11,182	11,673	491	4.4%
79.0%	11,073	11,670	597	5.4%
80.2%	11,011	11,561	550	5.0%
81.5%	11,001	11,516	514	4.7%
82.7%	10,925	11,325	400	3.7%
84.0%	10,734	11,147	413	3.9%
85.2%	10,554	11,066	512	4.9%
86.4%	10,392	10,830	438	4.2%
87.7%	10,038	10,826	789	7.9%
88.9%	9,978	10,282	304	3.0%
90.1%	9,657	9,392	-265	-2.7%
91.4%	8,817	9,112	295	3.4%
92.6%	8,522	8,894	371	4.4%
93.8%	8,491	8,857	366	4.3%
95.1%	8,441	8,810	369	4.4%
96.3%	8,347	8,714	368	4.4%
97.5%	8,023	8,555	533	6.6%
98.8%	7,718	7,688	-30	-0.4%
100.0%	7,393	7,512	119	1.6%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,530	15,530	0	0.0%
2.5%	15,517	15,517	0	0.0%
3.7%	15,497	15,497	0	0.0%
4.9%	15,454	15,454	0	0.0%
6.2%	15,434	15,434	0	0.0%
7.4%	15,330	15,330	0	0.0%
8.6%	15,306	15,306	0	0.0%
9.9%	15,218	15,218	0	0.0%
11.1%	15,218	15,217	-1	0.0%
12.3%	15,199	15,199	0	0.0%
13.6%	15,192	15,192	0	0.0%
14.8%	15,190	15,190	0	0.0%
16.0%	15,184	15,184	0	0.0%
17.3%	15,177	15,177	0	0.0%
18.5%	15,124	15,141	17	0.1%
19.8%	15,090	15,124	33	0.2%
21.0%	15,028	15,090	62	0.4%
22.2%	15,020	15,028	7	0.0%
23.5%	15,004	15,020	17	0.1%
24.7%	14,996	15,004	8	0.1%
25.9%	14,990	14,996	5	0.0%
27.2%	14,984	14,990	7	0.0%
28.4%	14,984	14,984	0	0.0%
29.6%	14,957	14,984	27	0.2%
30.9%	14,947	14,957	10	0.1%
32.1%	14,935	14,947	12	0.1%
33.3%	14,934	14,935	1	0.0%
34.6%	14,814	14,934	120	0.8%
35.8%	14,804	14,814	10	0.1%
37.0%	14,797	14,804	7	0.0%
38.3%	14,794	14,797	3	0.0%
39.5%	14,790	14,794	4	0.0%
40.7%	14,737	14,790	53	0.4%
42.0%	14,704	14,767	63	0.4%
43.2%	14,704	14,737	33	0.2%
44.4%	14,688	14,704	16	0.1%
45.7%	14,643	14,704	61	0.4%
46.9%	14,615	14,688	74	0.5%
48.1%	14,611	14,636	26	0.2%
49.4%	14,566	14,636	69	0.5%
50.6%	14,486	14,614	129	0.9%
51.9%	14,474	14,611	137	0.9%
53.1%	14,458	14,567	109	0.8%
54.3%	14,415	14,566	151	1.0%
55.6%	14,334	14,486	152	1.1%
56.8%	14,297	14,479	182	1.3%
58.0%	14,230	14,474	244	1.7%
59.3%	14,227	14,420	194	1.4%
60.5%	14,113	14,233	120	0.8%
61.7%	13,878	14,190	312	2.2%
63.0%	13,812	14,107	294	2.1%
64.2%	13,682	14,089	407	3.0%
65.4%	13,561	13,945	384	2.8%
66.7%	13,441	13,907	466	3.5%
67.9%	12,941	13,678	737	5.7%
69.1%	12,933	13,477	544	4.2%
70.4%	12,912	13,133	221	1.7%
71.6%	12,763	13,113	349	2.7%
72.8%	12,751	13,005	254	2.0%
74.1%	12,455	12,886	432	3.5%
75.3%	12,205	12,733	528	4.3%
76.5%	12,092	12,635	544	4.5%
77.8%	12,023	12,413	389	3.2%
79.0%	12,007	12,375	368	3.1%
80.2%	11,992	12,341	350	2.9%
81.5%	11,614	12,049	435	3.7%
82.7%	11,555	11,982	427	3.7%
84.0%	11,500	11,933	433	3.8%
85.2%	11,478	11,870	393	3.4%
86.4%	10,818	11,670	852	7.9%
87.7%	10,804	11,077	274	2.5%
88.9%	10,294	11,036	741	7.2%
90.1%	10,171	10,234	63	0.6%
91.4%	9,611	9,911	300	3.1%
92.6%	9,401	9,859	458	4.9%
93.8%	9,026	9,525	499	5.5%
95.1%	8,736	9,388	653	7.5%
96.3%	8,686	8,683	-3	0.0%
97.5%	8,156	8,632	476	5.8%
98.8%	8,011	7,982	-29	-0.4%
100.0%	6,932	7,086	154	2.2%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,804	0	0.0%
21.0%	15,804	15,804	0	0.0%
22.2%	15,804	15,804	0	0.0%
23.5%	15,804	15,804	0	0.0%
24.7%	15,804	15,804	0	0.0%
25.9%	15,804	15,804	0	0.0%
27.2%	15,804	15,804	0	0.0%
28.4%	15,804	15,804	0	0.0%
29.6%	15,804	15,804	0	0.0%
30.9%	15,804	15,804	0	0.0%
32.1%	15,804	15,804	0	0.0%
33.3%	15,804	15,804	0	0.0%
34.6%	15,798	15,797	-1	0.0%
35.8%	15,782	15,782	0	0.0%
37.0%	15,767	15,767	0	0.0%
38.3%	15,699	15,718	19	0.1%
39.5%	15,657	15,699	42	0.3%
40.7%	15,616	15,657	41	0.3%
42.0%	15,544	15,617	73	0.5%
43.2%	15,389	15,616	227	1.5%
44.4%	15,362	15,544	182	1.2%
45.7%	15,249	15,389	140	0.9%
46.9%	15,220	15,361	141	0.9%
48.1%	15,164	15,221	57	0.4%
49.4%	14,998	15,163	165	1.1%
50.6%	14,899	15,027	128	0.9%
51.9%	14,794	14,997	203	1.4%
53.1%	14,786	14,957	171	1.2%
54.3%	14,700	14,912	211	1.4%
55.6%	14,693	14,898	205	1.4%
56.8%	14,643	14,786	143	1.0%
58.0%	14,598	14,695	97	0.7%
59.3%	14,454	14,686	232	1.6%
60.5%	14,379	14,590	212	1.5%
61.7%	13,910	14,356	446	3.2%
63.0%	13,821	14,250	430	3.1%
64.2%	13,799	14,112	313	2.3%
65.4%	13,647	14,091	445	3.3%
66.7%	13,624	14,081	457	3.4%
67.9%	13,569	13,851	283	2.1%
69.1%	13,537	13,799	262	1.9%
70.4%	13,458	13,712	254	1.9%
71.6%	13,408	13,672	264	2.0%
72.8%	13,302	13,606	305	2.3%
74.1%	13,115	13,394	278	2.1%
75.3%	12,928	13,381	453	3.5%
76.5%	12,672	13,357	685	5.4%
77.8%	12,625	12,848	223	1.8%
79.0%	12,345	12,738	393	3.2%
80.2%	12,223	12,531	308	2.5%
81.5%	12,117	12,308	191	1.6%
82.7%	11,904	12,291	387	3.2%
84.0%	11,830	11,936	106	0.9%
85.2%	10,924	11,884	960	8.8%
86.4%	10,669	11,856	1,187	11.1%
87.7%	10,526	11,176	651	6.2%
88.9%	10,414	10,860	446	4.3%
90.1%	10,372	10,839	466	4.5%
91.4%	10,134	10,353	219	2.2%
92.6%	9,467	9,900	433	4.6%
93.8%	9,238	9,519	282	3.1%
95.1%	8,738	8,977	239	2.7%
96.3%	8,488	8,459	-28	-0.3%
97.5%	8,256	8,447	191	2.3%
98.8%	7,798	8,227	429	5.5%
100.0%	6,689	6,844	155	2.3%

Table SW-20-9b
Lake Oroville, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,804	15,804	0	0.0%
17.3%	15,804	15,804	0	0.0%
18.5%	15,804	15,804	0	0.0%
19.8%	15,804	15,794	-9	-0.1%
21.0%	15,804	15,758	-46	-0.3%
22.2%	15,804	15,755	-49	-0.3%
23.5%	15,804	15,749	-54	-0.3%
24.7%	15,804	15,745	-59	-0.4%
25.9%	15,804	15,742	-61	-0.4%
27.2%	15,804	15,739	-65	-0.4%
28.4%	15,804	15,733	-71	-0.4%
29.6%	15,804	15,708	-96	-0.6%
30.9%	15,804	15,707	-96	-0.6%
32.1%	15,660	15,653	-7	0.0%
33.3%	15,629	15,426	-203	-1.3%
34.6%	15,568	15,356	-212	-1.4%
35.8%	15,425	15,353	-72	-0.5%
37.0%	15,417	15,337	-80	-0.5%
38.3%	15,175	15,280	105	0.7%
39.5%	15,028	15,272	244	1.6%
40.7%	14,942	15,034	92	0.6%
42.0%	14,877	15,004	127	0.9%
43.2%	14,871	14,973	101	0.7%
44.4%	14,716	14,961	245	1.7%
45.7%	14,709	14,836	127	0.9%
46.9%	14,654	14,823	169	1.2%
48.1%	14,566	14,771	205	1.4%
49.4%	14,374	14,646	272	1.9%
50.6%	14,353	14,472	119	0.8%
51.9%	14,348	14,445	97	0.7%
53.1%	14,285	14,374	89	0.6%
54.3%	14,190	14,326	136	1.0%
55.6%	14,112	14,286	174	1.2%
56.8%	13,982	14,181	200	1.4%
58.0%	13,840	14,081	242	1.7%
59.3%	13,758	14,019	261	1.9%
60.5%	13,632	13,933	302	2.2%
61.7%	13,621	13,756	135	1.0%
63.0%	13,580	13,622	42	0.3%
64.2%	13,501	13,526	24	0.2%
65.4%	13,432	13,498	65	0.5%
66.7%	13,021	13,454	433	3.3%
67.9%	12,966	13,165	199	1.5%
69.1%	12,947	13,062	114	0.9%
70.4%	12,795	13,032	236	1.8%
71.6%	12,661	13,028	367	2.9%
72.8%	12,604	12,979	374	3.0%
74.1%	12,489	12,802	312	2.5%
75.3%	12,268	12,775	508	4.1%
76.5%	11,888	12,648	760	6.4%
77.8%	11,714	12,465	751	6.4%
79.0%	11,654	12,242	588	5.0%
80.2%	11,634	12,051	417	3.6%
81.5%	11,549	12,045	497	4.3%
82.7%	11,101	11,491	390	3.5%
84.0%	11,065	11,434	370	3.3%
85.2%	10,606	11,294	688	6.5%
86.4%	9,924	11,239	1,315	13.3%
87.7%	9,723	10,694	972	10.0%
88.9%	9,701	10,256	555	5.7%
90.1%	9,466	10,028	562	5.9%
91.4%	9,309	9,782	474	5.1%
92.6%	8,802	9,544	742	8.4%
93.8%	8,526	9,000	473	5.6%
95.1%	8,110	8,282	173	2.1%
96.3%	7,840	8,167	327	4.2%
97.5%	7,201	7,902	700	9.7%
98.8%	6,982	7,733	751	10.8%
100.0%	5,696	5,866	170	3.0%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,799	-5	0.0%
3.7%	15,804	15,594	-210	-1.3%
4.9%	15,804	15,542	-262	-1.7%
6.2%	15,502	15,402	-100	-0.6%
7.4%	15,294	15,174	-120	-0.8%
8.6%	15,257	15,099	-158	-1.0%
9.9%	15,091	14,924	-167	-1.1%
11.1%	14,744	14,848	104	0.7%
12.3%	14,668	14,627	-41	-0.3%
13.6%	14,578	14,580	3	0.0%
14.8%	14,445	14,512	68	0.5%
16.0%	14,394	14,344	-50	-0.3%
17.3%	14,326	14,332	6	0.0%
18.5%	14,209	14,110	-99	-0.7%
19.8%	14,114	14,105	-9	-0.1%
21.0%	14,099	14,089	-10	-0.1%
22.2%	14,082	13,983	-99	-0.7%
23.5%	14,041	13,980	-62	-0.4%
24.7%	14,006	13,948	-58	-0.4%
25.9%	13,986	13,918	-68	-0.5%
27.2%	13,932	13,887	-44	-0.3%
28.4%	13,922	13,872	-50	-0.4%
29.6%	13,863	13,770	-93	-0.7%
30.9%	13,824	13,754	-70	-0.5%
32.1%	13,670	13,649	-21	-0.2%
33.3%	13,654	13,616	-38	-0.3%
34.6%	13,541	13,380	-162	-1.2%
35.8%	13,425	13,372	-53	-0.4%
37.0%	13,379	13,372	-7	0.0%
38.3%	13,184	13,345	162	1.2%
39.5%	12,943	13,339	396	3.1%
40.7%	12,887	13,208	320	2.5%
42.0%	12,829	13,104	274	2.1%
43.2%	12,823	13,087	264	2.1%
44.4%	12,799	12,942	143	1.1%
45.7%	12,794	12,918	124	1.0%
46.9%	12,751	12,781	30	0.2%
48.1%	12,522	12,778	255	2.0%
49.4%	12,474	12,676	202	1.6%
50.6%	12,461	12,619	158	1.3%
51.9%	12,422	12,553	131	1.1%
53.1%	12,225	12,512	286	2.3%
54.3%	12,202	12,386	184	1.5%
55.6%	12,051	12,283	232	1.9%
56.8%	11,986	12,203	217	1.8%
58.0%	11,706	12,018	312	2.7%
59.3%	11,683	11,893	210	1.8%
60.5%	11,659	11,874	215	1.8%
61.7%	11,648	11,760	113	1.0%
63.0%	11,562	11,602	39	0.3%
64.2%	11,432	11,601	169	1.5%
65.4%	11,251	11,516	265	2.4%
66.7%	10,821	11,205	384	3.5%
67.9%	10,813	11,095	282	2.6%
69.1%	10,812	11,034	221	2.0%
70.4%	10,788	11,030	241	2.2%
71.6%	10,760	11,024	264	2.4%
72.8%	10,673	10,965	292	2.7%
74.1%	10,387	10,911	524	5.0%
75.3%	10,097	10,908	811	8.0%
76.5%	9,708	10,750	1,042	10.7%
77.8%	9,689	10,556	866	8.9%
79.0%	9,478	10,153	674	7.1%
80.2%	9,364	10,094	731	7.8%
81.5%	9,335	9,973	637	6.8%
82.7%	8,937	9,868	931	10.4%
84.0%	8,826	9,856	1,031	11.7%
85.2%	8,822	9,489	667	7.6%
86.4%	7,791	9,380	1,589	20.4%
87.7%	7,388	8,370	982	13.3%
88.9%	7,378	8,176	798	10.8%
90.1%	7,249	7,923	673	9.3%
91.4%	7,190	7,888	698	9.7%
92.6%	6,563	7,497	934	14.2%
93.8%	6,438	7,254	816	12.7%
95.1%	6,401	6,390	-12	-0.2%
96.3%	6,391	6,326	-65	-1.0%
97.5%	6,376	6,296	-80	-1.3%
98.8%	6,049	6,216	167	2.8%
100.0%	5,406	4,584	-823	-15.2%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,530	-273	-1.7%
1.2%	15,804	15,505	-299	-1.9%
2.5%	15,763	15,470	-293	-1.9%
3.7%	15,632	15,307	-325	-2.1%
4.9%	15,574	15,018	-556	-3.6%
6.2%	15,086	14,897	-189	-1.3%
7.4%	15,059	14,723	-336	-2.2%
8.6%	14,956	14,706	-250	-1.7%
9.9%	14,715	14,643	-72	-0.5%
11.1%	14,692	14,490	-202	-1.4%
12.3%	14,024	14,024	-1	0.0%
13.6%	13,981	13,848	-133	-1.0%
14.8%	13,970	13,685	-284	-2.0%
16.0%	13,784	13,643	-141	-1.0%
17.3%	13,717	13,635	-82	-0.6%
18.5%	13,467	13,603	136	1.0%
19.8%	13,381	13,527	147	1.1%
21.0%	13,322	13,293	-29	-0.2%
22.2%	13,056	13,288	232	1.8%
23.5%	13,046	13,281	235	1.8%
24.7%	12,927	13,232	305	2.4%
25.9%	12,752	12,956	204	1.6%
27.2%	12,734	12,896	161	1.3%
28.4%	12,515	12,769	254	2.0%
29.6%	12,515	12,593	78	0.6%
30.9%	12,472	12,550	77	0.6%
32.1%	12,398	12,549	151	1.2%
33.3%	12,316	12,514	198	1.6%
34.6%	12,141	12,513	372	3.1%
35.8%	12,058	12,369	310	2.6%
37.0%	11,873	12,150	277	2.3%
38.3%	11,811	12,062	251	2.1%
39.5%	11,579	12,036	457	3.9%
40.7%	11,563	11,955	392	3.4%
42.0%	11,530	11,853	323	2.8%
43.2%	11,462	11,805	343	3.0%
44.4%	11,460	11,765	305	2.7%
45.7%	11,380	11,728	348	3.1%
46.9%	11,352	11,709	357	3.1%
48.1%	11,252	11,577	325	2.9%
49.4%	11,177	11,534	357	3.2%
50.6%	10,974	11,331	356	3.2%
51.9%	10,825	11,278	453	4.2%
53.1%	10,792	11,107	315	2.9%
54.3%	10,648	10,761	113	1.1%
55.6%	10,620	10,672	52	0.5%
56.8%	10,493	10,661	168	1.6%
58.0%	10,343	10,516	173	1.7%
59.3%	10,083	10,360	278	2.8%
60.5%	10,032	10,209	177	1.8%
61.7%	9,986	10,022	36	0.4%
63.0%	9,887	9,876	-11	-0.1%
64.2%	9,691	9,834	143	1.5%
65.4%	9,570	9,824	254	2.7%
66.7%	9,519	9,809	290	3.0%
67.9%	9,325	9,801	476	5.1%
69.1%	9,250	9,441	191	2.1%
70.4%	9,107	9,268	161	1.8%
71.6%	9,039	9,190	151	1.7%
72.8%	8,649	9,161	513	5.9%
74.1%	8,491	9,141	650	7.7%
75.3%	8,436	9,093	657	7.8%
76.5%	8,267	9,057	790	9.6%
77.8%	7,999	8,526	527	6.6%
79.0%	7,745	8,379	634	8.2%
80.2%	7,745	8,353	608	7.9%
81.5%	7,515	8,165	650	8.7%
82.7%	7,169	8,108	939	13.1%
84.0%	7,057	8,004	947	13.4%
85.2%	6,958	7,963	1,005	14.4%
86.4%	6,904	7,127	223	3.2%
87.7%	6,891	7,098	208	3.0%
88.9%	6,838	7,052	214	3.1%
90.1%	6,603	6,995	392	5.9%
91.4%	6,287	6,467	179	2.8%
92.6%	6,255	6,058	-197	-3.1%
93.8%	6,064	6,007	-57	-0.9%
95.1%	5,937	6,002	66	1.1%
96.3%	5,934	5,898	-36	-0.6%
97.5%	5,873	5,885	11	0.2%
98.8%	5,750	5,680	-70	-1.2%
100.0%	5,404	4,584	-820	-15.2%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,180	15,180	0	0.0%
1.2%	15,180	15,180	0	0.0%
2.5%	14,799	14,486	-313	-2.1%
3.7%	14,399	13,692	-707	-4.9%
4.9%	14,214	13,537	-677	-4.8%
6.2%	14,057	13,253	-804	-5.7%
7.4%	13,744	13,089	-655	-4.8%
8.6%	13,521	12,963	-558	-4.1%
9.9%	13,297	12,878	-419	-3.1%
11.1%	12,976	12,752	-224	-1.7%
12.3%	12,805	12,460	-345	-2.7%
13.6%	12,245	12,288	43	0.4%
14.8%	12,115	12,242	127	1.1%
16.0%	12,114	12,087	-27	-0.2%
17.3%	12,111	11,998	-113	-0.9%
18.5%	11,992	11,891	-101	-0.8%
19.8%	11,798	11,869	71	0.6%
21.0%	11,720	11,829	110	0.9%
22.2%	11,554	11,809	255	2.2%
23.5%	11,490	11,791	301	2.6%
24.7%	11,451	11,716	265	2.3%
25.9%	11,233	11,514	281	2.5%
27.2%	11,198	11,443	245	2.2%
28.4%	11,163	11,409	246	2.2%
29.6%	11,158	11,402	245	2.2%
30.9%	11,102	11,265	163	1.5%
32.1%	10,942	11,146	203	1.9%
33.3%	10,873	11,114	240	2.2%
34.6%	10,806	11,106	300	2.8%
35.8%	10,645	11,047	402	3.8%
37.0%	10,472	10,979	507	4.8%
38.3%	10,470	10,801	331	3.2%
39.5%	10,429	10,727	298	2.9%
40.7%	10,366	10,680	314	3.0%
42.0%	10,303	10,634	331	3.2%
43.2%	10,285	10,555	271	2.6%
44.4%	10,134	10,515	381	3.8%
45.7%	10,131	10,417	285	2.8%
46.9%	10,032	10,380	348	3.5%
48.1%	9,926	10,298	372	3.8%
49.4%	9,913	10,192	278	2.8%
50.6%	9,867	10,137	271	2.7%
51.9%	9,803	10,070	267	2.7%
53.1%	9,778	10,010	232	2.4%
54.3%	9,699	9,943	244	2.5%
55.6%	9,617	9,891	274	2.9%
56.8%	9,472	9,627	155	1.6%
58.0%	9,377	9,564	187	2.0%
59.3%	9,186	9,494	308	3.4%
60.5%	9,044	9,386	342	3.8%
61.7%	9,021	9,338	317	3.5%
63.0%	8,992	9,129	138	1.5%
64.2%	8,847	9,087	240	2.7%
65.4%	8,830	8,966	136	1.5%
66.7%	8,816	8,746	-70	-0.8%
67.9%	8,705	8,688	-17	-0.2%
69.1%	8,703	8,558	-144	-1.7%
70.4%	8,370	8,534	164	2.0%
71.6%	8,130	8,492	363	4.5%
72.8%	8,028	8,439	411	5.1%
74.1%	8,001	8,409	408	5.1%
75.3%	7,865	8,283	418	5.3%
76.5%	7,598	8,152	554	7.3%
77.8%	7,441	7,889	448	6.0%
79.0%	7,283	7,629	345	4.7%
80.2%	7,192	7,606	414	5.8%
81.5%	7,084	7,502	418	5.9%
82.7%	7,051	7,486	435	6.2%
84.0%	6,921	7,136	214	3.1%
85.2%	6,812	7,037	225	3.3%
86.4%	6,671	6,998	327	4.9%
87.7%	6,619	6,901	282	4.3%
88.9%	6,577	6,685	108	1.6%
90.1%	6,281	6,653	372	5.9%
91.4%	6,157	6,539	382	6.2%
92.6%	6,152	5,916	-236	-3.8%
93.8%	5,937	5,871	-66	-1.1%
95.1%	5,860	5,864	3	0.1%
96.3%	5,621	5,791	170	3.0%
97.5%	5,443	5,788	345	6.3%
98.8%	5,289	5,229	-60	-1.1%
100.0%	5,129	4,626	-503	-9.8%

Table SW-21-9a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

	Monthly Flow (CFS)											
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (17%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (22%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (15%)												
No Action Alternative	800	800	800	800	800	800	700	700	700	700	700	773
Alternative D	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

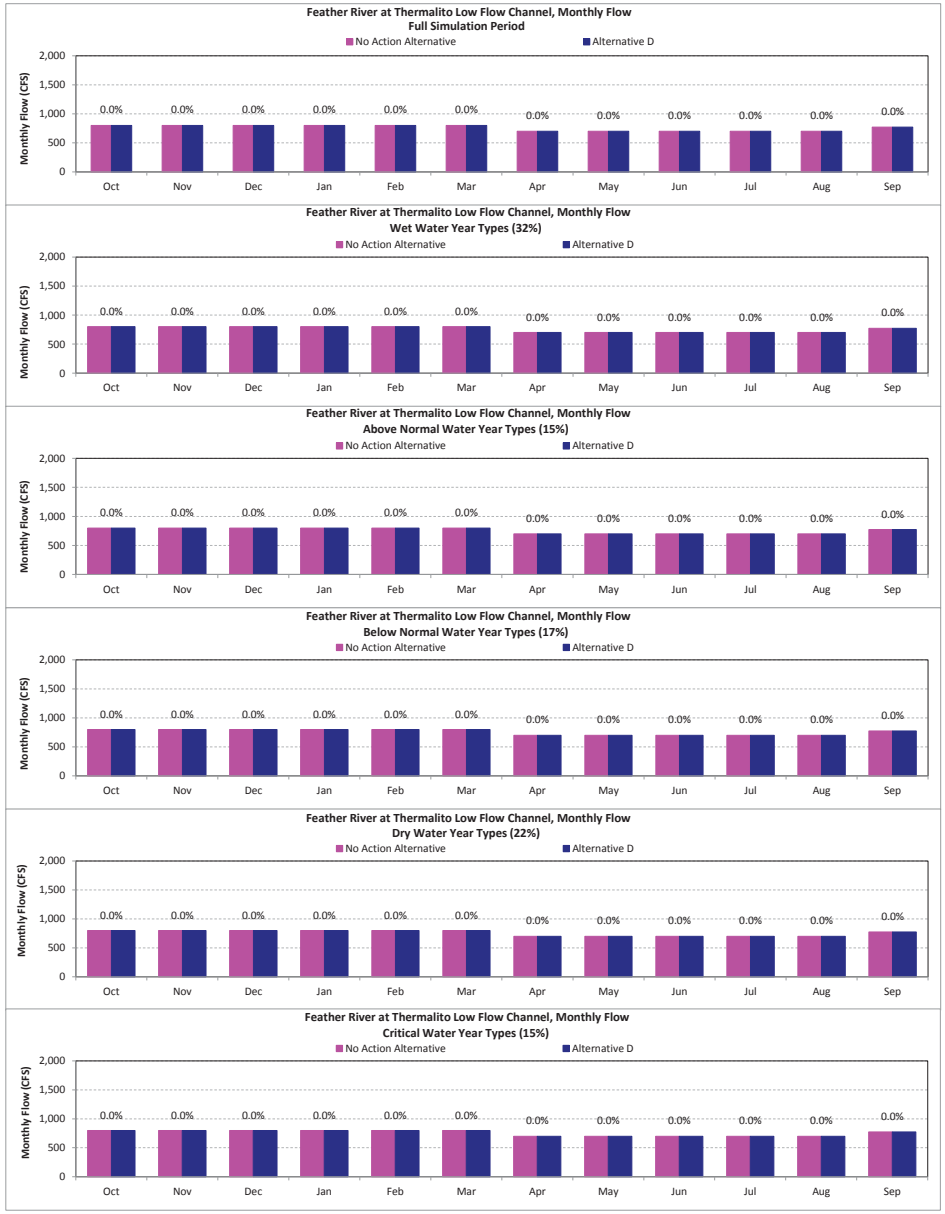

Figure SW-21-9b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

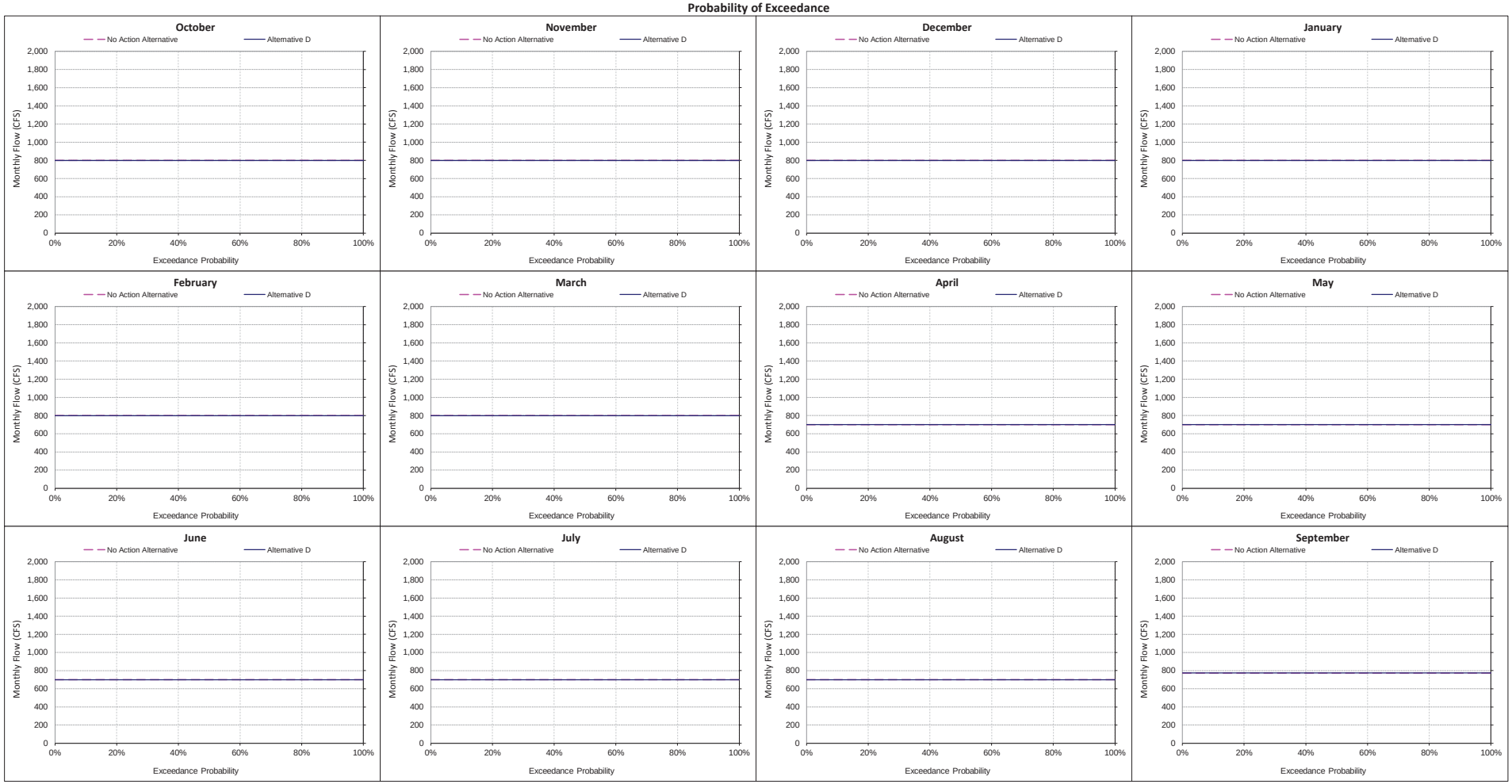

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-9b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Table SW-22-9a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	2,815	2,230	3,453	4,661	5,498	5,941	3,079	3,640	3,783	7,723	4,992	4,831
Alternative D	2,680	2,220	3,263	4,695	5,560	5,975	3,039	3,638	3,709	7,668	5,142	5,063
Difference	-134	-10	-190	34	62	33	-40	-2	-74	-55	149	232
Percent Difference[3]	-4.8%	-0.4%	-5.5%	0.7%	1.1%	0.6%	-1.3%	-0.1%	-1.9%	-0.7%	3.0%	4.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,835	3,384	5,285	10,620	11,516	12,387	6,511	7,539	5,149	6,745	3,920	8,437
Alternative D	3,676	3,293	4,821	10,831	11,683	12,478	6,526	7,539	5,242	6,807	3,953	8,816
Difference	-158	-90	-463	211	167	91	15	0	93	62	33	380
Percent Difference	-4.1%	-2.7%	-8.8%	2.0%	1.5%	0.7%	0.2%	0.0%	1.8%	0.9%	0.8%	4.5%
Above Normal (15%)												
No Action Alternative	3,592	2,323	3,389	3,461	5,426	7,028	2,257	3,232	3,397	9,119	6,405	7,040
Alternative D	3,500	2,410	2,779	3,662	5,317	7,062	2,257	3,509	3,752	9,095	5,984	7,383
Difference	-92	87	-610	202	-109	34	0	277	355	-24	-421	343
Percent Difference	-2.6%	3.7%	-18.0%	5.8%	-2.0%	0.5%	0.0%	8.6%	10.5%	-0.3%	-6.6%	4.9%
Below Normal (17%)												
No Action Alternative	2,533	1,893	2,615	1,711	2,799	2,337	1,119	1,159	2,849	9,062	6,441	2,656
Alternative D	2,338	2,015	3,267	1,458	3,055	2,550	1,119	1,141	3,076	8,969	6,040	2,377
Difference	-195	122	652	-253	256	213	0	-18	227	-93	-401	-279
Percent Difference	-7.7%	6.5%	24.9%	-14.8%	9.1%	9.1%	0.0%	-1.5%	8.0%	-1.0%	-6.2%	-10.5%
Dry (22%)												
No Action Alternative	2,031	1,516	2,732	1,453	1,635	1,685	1,329	1,605	3,442	8,256	6,071	2,002
Alternative D	1,916	1,472	2,438	1,396	1,595	1,465	1,261	1,460	2,968	7,848	6,565	2,428
Difference	-116	-44	-294	-57	-40	-219	-68	-145	-474	-408	495	426
Percent Difference	-5.7%	-2.9%	-10.8%	-3.9%	-2.5%	-13.0%	-5.1%	-9.0%	-13.8%	-4.9%	8.1%	21.3%
Critical (15%)												
No Action Alternative	1,330	1,101	1,607	1,206	1,476	1,480	1,375	1,545	2,807	6,084	2,595	1,592
Alternative D	1,250	1,065	1,601	1,158	1,409	1,556	1,170	1,493	2,194	6,322	3,691	1,699
Difference	-80	-37	-6	-48	-67	76	-205	-52	-613	239	1,096	107
Percent Difference	-6.0%	-3.3%	-0.4%	-4.0%	-4.6%	5.2%	-14.9%	-3.4%	-21.9%	3.9%	42.2%	6.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

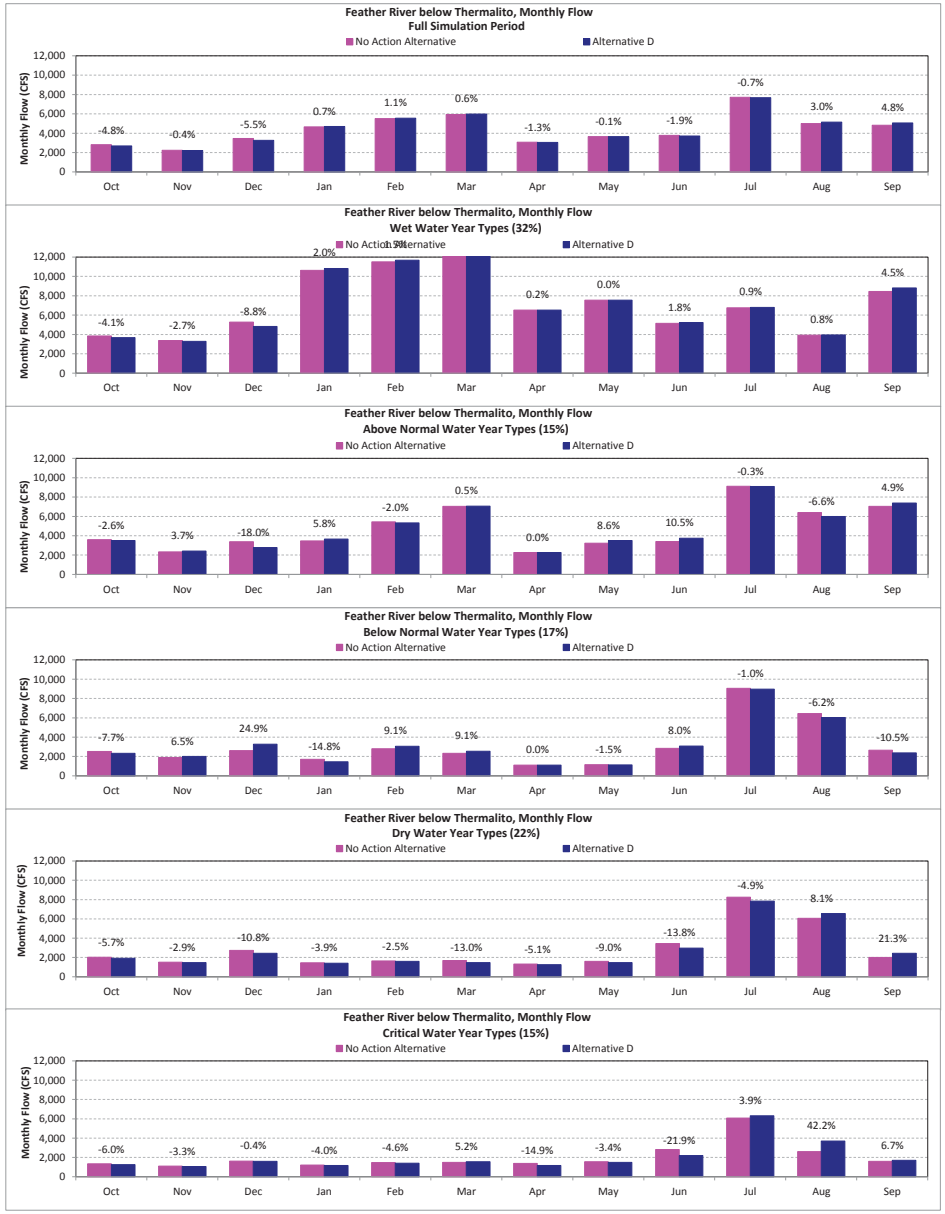

Figure SW-22-9b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

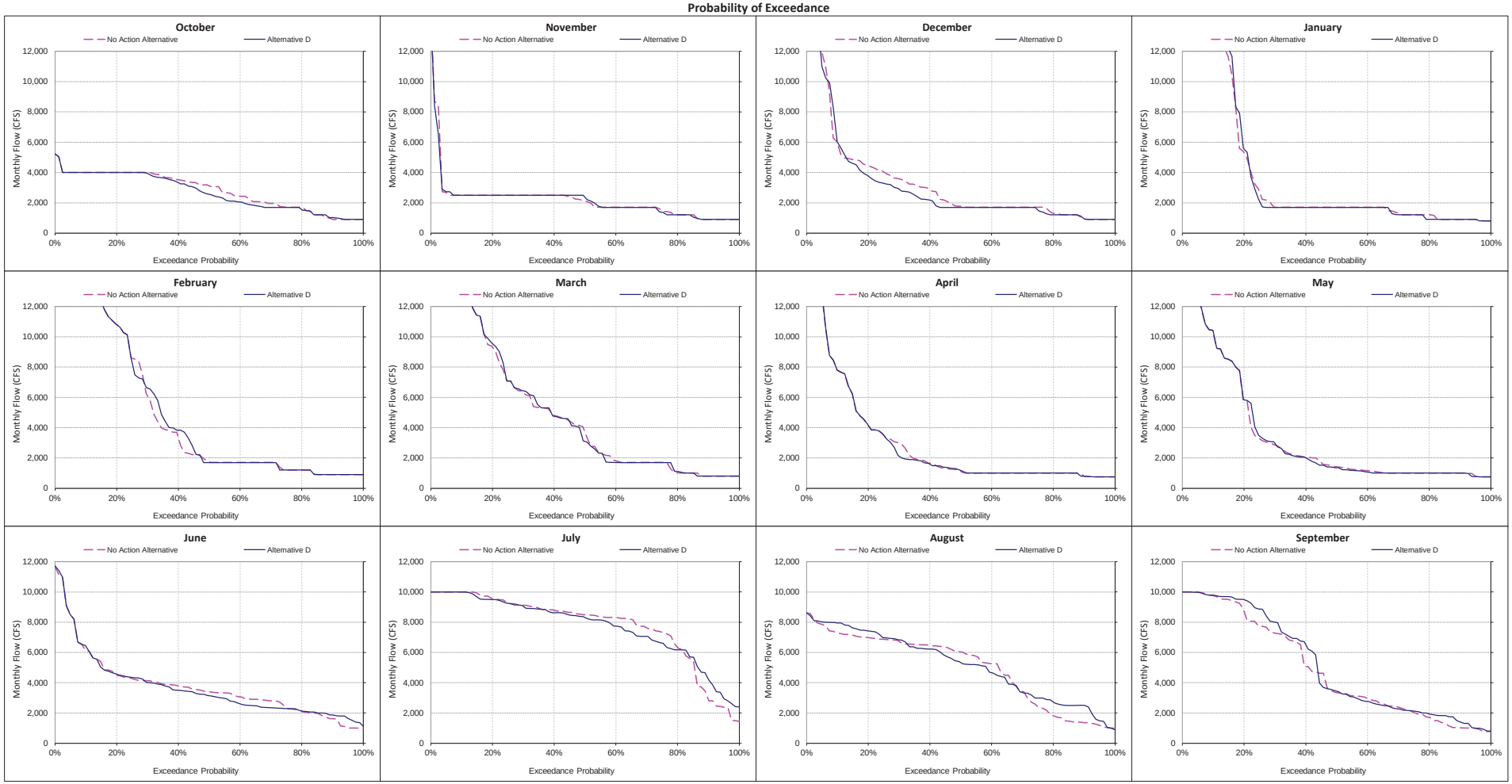

Table SW-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,232	5,226	-6	-0.1%
1.2%	5,039	5,039	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	4,000	0	0.0%
27.2%	4,000	4,000	0	0.0%
28.4%	4,000	4,000	0	0.0%
29.6%	4,000	3,968	-32	-0.8%
30.9%	4,000	3,848	-152	-3.8%
32.1%	3,896	3,738	-158	-4.1%
33.3%	3,872	3,694	-178	-4.6%
34.6%	3,789	3,656	-132	-3.5%
35.8%	3,662	3,615	-47	-1.3%
37.0%	3,659	3,536	-123	-3.4%
38.3%	3,618	3,489	-129	-3.6%
39.5%	3,529	3,384	-145	-4.1%
40.7%	3,502	3,253	-249	-7.1%
42.0%	3,448	3,247	-200	-5.8%
43.2%	3,384	3,102	-283	-8.4%
44.4%	3,345	3,064	-281	-8.4%
45.7%	3,340	2,966	-373	-11.2%
46.9%	3,183	2,781	-402	-12.6%
48.1%	3,181	2,656	-524	-16.5%
49.4%	3,175	2,583	-592	-18.6%
50.6%	3,072	2,525	-546	-17.8%
51.9%	3,064	2,424	-640	-20.9%
53.1%	3,063	2,380	-683	-22.3%
54.3%	2,682	2,318	-364	-13.6%
55.6%	2,661	2,140	-521	-19.6%
56.8%	2,629	2,110	-519	-19.7%
58.0%	2,487	2,103	-383	-15.4%
59.3%	2,444	2,061	-383	-15.7%
60.5%	2,432	2,049	-382	-15.7%
61.7%	2,425	1,952	-474	-19.5%
63.0%	2,226	1,884	-342	-15.4%
64.2%	2,081	1,844	-238	-11.4%
65.4%	2,078	1,800	-278	-13.4%
66.7%	2,054	1,758	-296	-14.4%
67.9%	2,052	1,700	-352	-17.1%
69.1%	1,965	1,700	-265	-13.5%
70.4%	1,952	1,700	-252	-12.9%
71.6%	1,949	1,700	-249	-12.8%
72.8%	1,750	1,700	-50	-2.9%
74.1%	1,728	1,700	-28	-1.6%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,505	-195	-11.5%
81.5%	1,475	1,487	13	0.9%
82.7%	1,456	1,446	-10	-0.7%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,021	1,200	179	17.6%
88.9%	994	1,020	26	2.6%
90.1%	900	1,016	116	12.9%
91.4%	900	981	81	9.0%
92.6%	900	948	48	5.4%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,550	14,550	0	0.0%
1.2%	8,691	8,422	-268	-3.1%
2.5%	8,427	6,528	-1,898	-22.5%
3.7%	2,730	2,905	175	6.4%
4.9%	2,674	2,735	61	2.3%
6.2%	2,500	2,726	226	9.1%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,431	2,500	69	2.8%
45.7%	2,381	2,500	119	5.0%
46.9%	2,246	2,500	254	11.3%
48.1%	2,236	2,500	264	11.8%
49.4%	2,151	2,500	349	16.3%
50.6%	2,085	2,211	126	6.0%
51.9%	1,977	2,116	139	7.1%
53.1%	1,700	1,985	285	16.7%
54.3%	1,700	1,778	78	4.6%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,611	1,404	-207	-12.9%
75.3%	1,424	1,359	-65	-4.5%
76.5%	1,418	1,200	-218	-15.4%
77.8%	1,361	1,200	-161	-11.8%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,037	-163	-13.6%
86.4%	957	976	19	1.9%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,329	24,329	0	0.0%
1.2%	15,421	15,484	63	0.4%
2.5%	14,106	14,787	681	4.8%
3.7%	12,871	14,007	1,136	8.8%
4.9%	11,981	10,984	-997	-8.3%
6.2%	10,984	10,239	-744	-6.8%
7.4%	9,375	9,935	560	6.0%
8.6%	6,278	8,226	1,948	31.0%
9.9%	6,026	6,024	-1	0.0%
11.1%	5,200	5,619	418	8.0%
12.3%	4,959	5,138	179	3.6%
13.6%	4,921	4,722	-199	-4.0%
14.8%	4,857	4,601	-256	-5.3%
16.0%	4,839	4,506	-333	-6.9%
17.3%	4,768	4,142	-626	-13.1%
18.5%	4,540	3,942	-598	-13.2%
19.8%	4,496	3,808	-689	-15.3%
21.0%	4,372	3,598	-774	-17.7%
22.2%	4,266	3,460	-807	-18.9%
23.5%	4,145	3,350	-795	-19.2%
24.7%	4,094	3,305	-789	-19.3%
25.9%	3,918	3,234	-685	-17.5%
27.2%	3,807	3,204	-603	-15.8%
28.4%	3,631	3,009	-622	-17.1%
29.6%	3,595	2,942	-653	-18.2%
30.9%	3,537	2,771	-766	-21.7%
32.1%	3,421	2,753	-668	-19.5%
33.3%	3,238	2,704	-534	-16.5%
34.6%	3,234	2,561	-672	-20.8%
35.8%	3,144	2,405	-738	-23.5%
37.0%	3,037	2,249	-788	-25.9%
38.3%	3,010	2,226	-783	-26.0%
39.5%	2,971	2,195	-777	-26.1%
40.7%	2,760	2,133	-627	-22.7%
42.0%	2,752	1,791	-961	-34.9%
43.2%	2,230	1,700	-529	-23.7%
44.4%	2,200	1,700	-500	-22.7%
45.7%	2,082	1,700	-382	-18.3%
46.9%	1,967	1,700	-267	-13.6%
48.1%	1,792	1,700	-92	-5.1%
49.4%	1,770	1,700	-70	-3.9%
50.6%	1,767	1,700	-67	-3.8%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,699	-1	-0.1%
75.3%	1,700	1,464	-236	-13.9%
76.5%	1,700	1,386	-314	-18.5%
77.8%	1,629	1,272	-357	-21.9%
79.0%	1,387	1,200	-187	-13.5%
80.2%	1,284	1,200	-84	-6.6%
81.5%	1,267	1,200	-67	-5.3%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,054	1,117	63	6.0%
90.1%	919	917	-2	-0.2%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,947	40,945	-2	0.0%
1.2%	35,873	35,870	-2	0.0%
2.5%	21,020	21,017	-3	0.0%
3.7%	20,580	20,580	-1	0.0%
4.9%	19,178	19,174	-4	0.0%
6.2%	19,034	19,171	137	0.7%
7.4%	15,060	14,551	-509	-3.4%
8.6%	14,373	14,435	62	0.4%
9.9%	13,890	14,369	479	3.4%
11.1%	13,790	13,891	101	0.7%
12.3%	12,688	13,835	1,147	9.0%
13.6%	12,234	12,688	455	3.7%
14.8%	11,687	12,231	544	4.7%
16.0%	10,488	11,684	1,196	11.4%
17.3%	8,342	8,340	-2	0.0%
18.5%	5,602	7,909	2,307	41.2%
19.8%	5,395	5,602	206	3.8%
21.0%	4,934	5,324	390	7.9%
22.2%	4,032	3,697	-335	-8.3%
23.5%	3,244	2,917	-327	-10.1%
24.7%	2,920	2,226	-694	-23.8%
25.9%	2,230	1,725	-505	-22.6%
27.2%	2,174	1,700	-474	-21.8%
28.4%	2,021	1,700	-321	-15.9%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,453	1,700	247	17.0%
67.9%	1,453	1,291	-162	-11.2%
69.1%	1,367	1,228	-139	-10.2%
70.4%	1,304	1,200	-104	-8.0%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	900	-300	-25.0%
80.2%	1,200	900	-300	-25.0%
81.5%	1,166	900	-266	-22.8%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	853	801	-51	-6.0%
97.5%	801	801	0	0.0%
98.8%	801	801	0	0.0%
100.0%	800	800	0	0.0%

Table SW-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,724	21,724	0	0.0%
1.2%	21,202	21,264	61	0.3%
2.5%	21,176	21,201	24	0.1%
3.7%	20,085	18,341	-1,744	-8.7%
4.9%	18,146	18,146	0	0.0%
6.2%	17,987	17,986	-1	0.0%
7.4%	17,640	17,636	-4	0.0%
8.6%	16,581	16,582	1	0.0%
9.9%	16,407	16,406	-1	0.0%
11.1%	15,888	15,542	-346	-2.2%
12.3%	15,395	15,486	91	0.6%
13.6%	14,529	14,532	3	0.0%
14.8%	12,477	12,475	-2	0.0%
16.0%	11,789	11,786	-2	0.0%
17.3%	11,343	11,345	1	0.0%
18.5%	11,085	11,099	14	0.1%
19.8%	10,847	10,847	0	0.0%
21.0%	10,663	10,661	-2	0.0%
22.2%	10,291	10,288	-2	0.0%
23.5%	10,131	10,132	0	0.0%
24.7%	8,601	8,601	0	0.0%
25.9%	8,525	7,496	-1,029	-12.1%
27.2%	8,379	7,284	-1,095	-13.1%
28.4%	7,497	7,228	-268	-3.6%
29.6%	6,228	6,645	417	6.7%
30.9%	5,796	6,554	758	13.1%
32.1%	4,869	6,235	1,367	28.1%
33.3%	4,403	5,795	1,392	31.6%
34.6%	3,993	4,865	872	21.9%
35.8%	3,865	4,401	536	13.9%
37.0%	3,835	4,009	175	4.6%
38.3%	3,709	3,992	283	7.6%
39.5%	3,696	3,840	144	3.9%
40.7%	2,821	3,831	1,010	35.8%
42.0%	2,358	3,707	1,348	57.2%
43.2%	2,318	3,297	979	42.2%
44.4%	2,230	2,816	586	26.3%
45.7%	2,194	2,226	32	1.5%
46.9%	2,174	2,212	38	1.8%
48.1%	1,969	1,700	-269	-13.7%
49.4%	1,787	1,700	-87	-4.9%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,387	1,200	-187	-13.5%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	926	924	-2	-0.2%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,036	34,035	-1	0.0%
1.2%	31,808	31,808	0	0.0%
2.5%	26,269	26,268	-1	0.0%
3.7%	22,001	24,744	2,743	12.5%
4.9%	20,294	19,377	-917	-4.5%
6.2%	19,372	19,206	-166	-0.9%
7.4%	16,075	16,075	-1	0.0%
8.6%	14,409	14,407	-2	0.0%
9.9%	14,277	14,275	-2	0.0%
11.1%	13,402	13,401	-1	0.0%
12.3%	12,917	12,914	-2	0.0%
13.6%	11,916	11,910	-6	0.0%
14.8%	11,446	11,445	-1	0.0%
16.0%	11,351	11,352	0	0.0%
17.3%	10,166	10,145	-21	-0.2%
18.5%	9,485	9,899	414	4.4%
19.8%	9,393	9,601	209	2.2%
21.0%	9,037	9,388	352	3.9%
22.2%	8,314	9,037	723	8.7%
23.5%	7,834	8,313	479	6.1%
24.7%	7,087	7,094	7	0.1%
25.9%	7,084	7,085	0	0.0%
27.2%	6,641	6,638	-3	0.0%
28.4%	6,455	6,569	113	1.8%
29.6%	6,413	6,455	42	0.7%
30.9%	6,171	6,406	235	3.8%
32.1%	6,117	6,165	48	0.8%
33.3%	5,385	6,118	733	13.6%
34.6%	5,337	5,532	195	3.7%
35.8%	5,315	5,315	0	0.0%
37.0%	5,292	5,311	20	0.4%
38.3%	5,250	5,310	60	1.1%
39.5%	4,817	4,779	-37	-0.8%
40.7%	4,778	4,726	-52	-1.1%
42.0%	4,695	4,638	-58	-1.2%
43.2%	4,582	4,615	33	0.7%
44.4%	4,529	4,586	57	1.3%
45.7%	4,355	4,122	-233	-5.4%
46.9%	4,170	4,110	-60	-1.4%
48.1%	4,145	4,029	-115	-2.8%
49.4%	4,050	3,138	-913	-22.5%
50.6%	3,379	3,043	-336	-9.9%
51.9%	2,786	2,780	-6	-0.2%
53.1%	2,768	2,598	-170	-6.1%
54.3%	2,380	2,324	-56	-2.4%
55.6%	2,254	2,307	53	2.3%
56.8%	2,174	1,733	-441	-20.3%
58.0%	2,144	1,717	-427	-19.9%
59.3%	1,859	1,700	-159	-8.5%
60.5%	1,775	1,700	-75	-4.2%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,669	1,700	31	1.9%
77.8%	1,278	1,700	422	33.0%
79.0%	1,040	1,129	90	8.6%
80.2%	1,019	1,100	81	8.0%
81.5%	1,000	1,036	36	3.6%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	800	-200	-20.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,991	18,991	0	0.0%
1.2%	17,592	17,590	-2	0.0%
2.5%	13,120	13,369	249	1.9%
3.7%	13,116	13,118	2	0.0%
4.9%	12,900	12,900	-1	0.0%
6.2%	10,563	10,558	-4	0.0%
7.4%	8,771	8,758	-13	-0.1%
8.6%	8,459	8,459	0	0.0%
9.9%	7,812	7,811	-1	0.0%
11.1%	7,660	7,679	19	0.3%
12.3%	7,560	7,560	0	0.0%
13.6%	6,692	6,713	21	0.3%
14.8%	6,239	6,239	0	0.0%
16.0%	5,101	5,100	-1	0.0%
17.3%	4,793	4,798	5	0.1%
18.5%	4,554	4,553	-2	0.0%
19.8%	4,224	4,225	0	0.0%
21.0%	3,853	3,854	1	0.0%
22.2%	3,850	3,849	-1	0.0%
23.5%	3,795	3,794	-1	0.0%
24.7%	3,587	3,587	0	0.0%
25.9%	3,277	3,243	-34	-1.0%
27.2%	3,243	3,035	-209	-6.4%
28.4%	3,079	2,694	-385	-12.5%
29.6%	3,009	2,170	-839	-27.9%
30.9%	2,921	1,997	-924	-31.6%
32.1%	2,609	1,928	-681	-26.1%
33.3%	2,171	1,897	-274	-12.6%
34.6%	1,997	1,893	-103	-5.2%
35.8%	1,900	1,839	-61	-3.2%
37.0%	1,893	1,810	-83	-4.4%
38.3%	1,814	1,675	-139	-7.7%
39.5%	1,653	1,649	-4	-0.2%
40.7%	1,650	1,492	-158	-9.6%
42.0%	1,492	1,491	-1	-0.1%
43.2%	1,387	1,467	80	5.8%
44.4%	1,312	1,385	73	5.5%
45.7%	1,281	1,383	102	8.0%
46.9%	1,275	1,315	39	3.1%
48.1%	1,240	1,313	73	5.9%
49.4%	1,225	1,227	2	0.2%
50.6%	1,040	1,129	88	8.5%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	951	809	-142	-14.9%
90.1%	785	784	-1	-0.1%
91.4%	781	779	-1	-0.2%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,399	20,396	-3	0.0%
1.2%	18,247	18,245	-1	0.0%
2.5%	17,333	17,335	2	0.0%
3.7%	16,793	16,794	1	0.0%
4.9%	12,825	12,825	0	0.0%
6.2%	11,871	11,871	0	0.0%
7.4%	10,838	10,838	0	0.0%
8.6%	10,472	10,469	-4	0.0%
9.9%	10,420	10,443	22	0.2%
11.1%	9,252	9,250	-2	0.0%
12.3%	9,193	9,190	-2	0.0%
13.6%	8,592	8,593	1	0.0%
14.8%	8,530	8,526	-4	-0.1%
16.0%	8,395	8,392	-3	0.0%
17.3%	8,006	8,006	0	0.0%
18.5%	7,768	7,768	0	0.0%
19.8%	5,851	5,844	-7	-0.1%
21.0%	5,792	5,791	-1	0.0%
22.2%	4,053	5,609	1,556	38.4%
23.5%	3,505	4,060	555	15.8%
24.7%	3,307	3,503	197	5.9%
25.9%	3,143	3,304	161	5.1%
27.2%	3,045	3,143	98	3.2%
28.4%	3,007	3,076	69	2.3%
29.6%	2,884	3,068	185	6.4%
30.9%	2,784	2,728	-56	-2.0%
32.1%	2,629	2,631	1	0.0%
33.3%	2,411	2,272	-139	-5.8%
34.6%	2,286	2,252	-34	-1.5%
35.8%	2,219	2,141	-78	-3.5%
37.0%	2,138	2,098	-40	-1.9%
38.3%	2,118	2,062	-56	-2.6%
39.5%	2,063	2,059	-3	-0.2%
40.7%	2,056	1,929	-126	-6.1%
42.0%	2,012	1,777	-236	-11.7%
43.2%	2,002	1,679	-323	-16.1%
44.4%	1,777	1,528	-249	-14.0%
45.7%	1,569	1,521	-49	-3.1%
46.9%	1,535	1,415	-120	-7.8%
48.1%	1,522	1,413	-109	-7.2%
49.4%	1,424	1,358	-66	-4.7%
50.6%	1,407	1,353	-54	-3.8%
51.9%	1,369	1,228	-142	-10.3%
53.1%	1,354	1,218	-136	-10.1%
54.3%	1,255	1,189	-66	-5.3%
55.6%	1,241	1,168	-73	-5.9%
56.8%	1,220	1,150	-69	-5.7%
58.0%	1,198	1,135	-64	-5.3%
59.3%	1,168	1,091	-78	-6.7%
60.5%	1,152	1,052	-99	-8.6%
61.7%	1,136	1,000	-136	-12.0%
63.0%	1,094	1,000	-94	-8.6%
64.2%	1,054	1,000	-54	-5.1%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	1,000	1,000	0	0.0%
92.6%	1,000	973	-27	-2.7%
93.8%	977	779	-198	-20.3%
95.1%	785	773	-12	-1.5%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-9b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,718	37	0.3%
1.2%	11,148	11,421	273	2.4%
2.5%	10,971	10,970	-2	0.0%
3.7%	9,080	9,077	-4	0.0%
4.9%	8,515	8,512	-3	0.0%
6.2%	8,203	8,207	3	0.0%
7.4%	6,686	6,681	-5	-0.1%
8.6%	6,549	6,551	1	0.0%
9.9%	6,154	6,461	306	5.0%
11.1%	6,071	6,061	-10	-0.2%
12.3%	5,637	5,639	2	0.0%
13.6%	5,563	5,559	-4	-0.1%
14.8%	5,400	5,026	-374	-6.9%
16.0%	4,843	4,829	-14	-0.3%
17.3%	4,842	4,763	-78	-1.6%
18.5%	4,754	4,659	-95	-2.0%
19.8%	4,490	4,587	97	2.2%
21.0%	4,466	4,519	53	1.2%
22.2%	4,381	4,452	71	1.6%
23.5%	4,370	4,380	10	0.2%
24.7%	4,293	4,370	77	1.8%
25.9%	4,217	4,329	112	2.7%
27.2%	4,161	4,311	150	3.6%
28.4%	4,149	4,243	94	2.3%
29.6%	4,147	4,025	-122	-2.9%
30.9%	4,125	3,988	-138	-3.3%
32.1%	4,049	3,981	-68	-1.7%
33.3%	4,024	3,908	-116	-2.9%
34.6%	3,924	3,884	-40	-1.0%
35.8%	3,893	3,772	-120	-3.1%
37.0%	3,883	3,733	-151	-3.9%
38.3%	3,848	3,522	-327	-8.5%
39.5%	3,828	3,514	-315	-8.2%
40.7%	3,741	3,488	-253	-6.8%
42.0%	3,722	3,461	-261	-7.0%
43.2%	3,706	3,424	-282	-7.6%
44.4%	3,584	3,411	-174	-4.8%
45.7%	3,557	3,294	-263	-7.4%
46.9%	3,514	3,246	-268	-7.6%
48.1%	3,451	3,244	-207	-6.0%
49.4%	3,422	3,154	-267	-7.8%
50.6%	3,381	3,126	-256	-7.6%
51.9%	3,355	3,066	-289	-8.6%
53.1%	3,336	3,019	-317	-9.5%
54.3%	3,332	2,995	-338	-10.1%
55.6%	3,323	2,937	-386	-11.6%
56.8%	3,309	2,794	-515	-15.6%
58.0%	3,153	2,753	-399	-12.7%
59.3%	3,080	2,661	-420	-13.6%
60.5%	3,046	2,567	-479	-15.7%
61.7%	2,926	2,515	-411	-14.1%
63.0%	2,917	2,495	-422	-14.5%
64.2%	2,898	2,490	-408	-14.1%
65.4%	2,892	2,466	-426	-14.7%
66.7%	2,863	2,377	-486	-17.0%
67.9%	2,849	2,367	-482	-16.9%
69.1%	2,813	2,355	-459	-16.3%
70.4%	2,806	2,347	-459	-16.4%
71.6%	2,798	2,317	-481	-17.2%
72.8%	2,718	2,310	-408	-15.0%
74.1%	2,519	2,303	-216	-8.6%
75.3%	2,320	2,290	-30	-1.3%
76.5%	2,266	2,286	19	0.9%
77.8%	2,228	2,280	52	2.3%
79.0%	2,189	2,184	-5	-0.2%
80.2%	2,080	2,110	30	1.4%
81.5%	2,053	2,102	49	2.4%
82.7%	2,002	2,066	64	3.2%
84.0%	1,997	2,063	67	3.4%
85.2%	1,978	2,001	23	1.1%
86.4%	1,837	1,992	155	8.5%
87.7%	1,767	1,981	214	12.1%
88.9%	1,634	1,877	243	14.9%
90.1%	1,627	1,861	234	14.4%
91.4%	1,585	1,809	224	14.1%
92.6%	1,145	1,803	658	57.5%
93.8%	1,099	1,789	691	62.9%
95.1%	1,000	1,633	633	63.3%
96.3%	1,000	1,507	507	50.7%
97.5%	1,000	1,398	398	39.8%
98.8%	1,000	1,362	362	36.2%
100.0%	1,000	1,105	105	10.5%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	10,000	0	0.0%
4.9%	10,000	10,000	0	0.0%
6.2%	10,000	10,000	0	0.0%
7.4%	10,000	10,000	0	0.0%
8.6%	10,000	10,000	0	0.0%
9.9%	10,000	10,000	0	0.0%
11.1%	10,000	10,000	0	0.0%
12.3%	10,000	9,964	-36	-0.4%
13.6%	9,986	9,882	-104	-1.0%
14.8%	9,945	9,692	-253	-2.5%
16.0%	9,791	9,522	-269	-2.7%
17.3%	9,727	9,512	-215	-2.2%
18.5%	9,717	9,504	-213	-2.2%
19.8%	9,580	9,498	-82	-0.9%
21.0%	9,560	9,495	-65	-0.7%
22.2%	9,483	9,449	-33	-0.4%
23.5%	9,467	9,340	-127	-1.3%
24.7%	9,301	9,259	-43	-0.5%
25.9%	9,224	9,219	-5	-0.1%
27.2%	9,217	9,149	-68	-0.7%
28.4%	9,138	9,146	8	0.1%
29.6%	9,129	9,116	-13	-0.1%
30.9%	9,118	8,917	-201	-2.2%
32.1%	9,053	8,908	-145	-1.6%
33.3%	9,015	8,904	-111	-1.2%
34.6%	8,964	8,869	-95	-1.1%
35.8%	8,848	8,862	14	0.2%
37.0%	8,833	8,837	4	0.0%
38.3%	8,823	8,682	-140	-1.6%
39.5%	8,819	8,628	-191	-2.2%
40.7%	8,746	8,621	-125	-1.4%
42.0%	8,714	8,617	-97	-1.1%
43.2%	8,713	8,606	-107	-1.2%
44.4%	8,656	8,494	-162	-1.9%
45.7%	8,647	8,447	-200	-2.3%
46.9%	8,565	8,446	-118	-1.4%
48.1%	8,533	8,383	-150	-1.8%
49.4%	8,495	8,376	-119	-1.4%
50.6%	8,478	8,256	-222	-2.6%
51.9%	8,467	8,175	-292	-3.4%
53.1%	8,457	8,149	-308	-3.6%
54.3%	8,390	8,147	-243	-2.9%
55.6%	8,347	8,138	-209	-2.5%
56.8%	8,322	8,073	-250	-3.0%
58.0%	8,316	7,954	-362	-4.3%
59.3%	8,312	7,748	-564	-6.8%
60.5%	8,292	7,738	-554	-6.7%
61.7%	8,256	7,676	-580	-7.0%
63.0%	8,250	7,438	-811	-9.8%
64.2%	8,208	7,410	-799	-9.7%
65.4%	8,159	7,338	-821	-10.1%
66.7%	7,795	7,102	-693	-8.9%
67.9%	7,728	7,070	-659	-8.5%
69.1%	7,725	7,068	-657	-8.5%
70.4%	7,580	7,057	-523	-6.9%
71.6%	7,579	6,826	-753	-9.9%
72.8%	7,426	6,747	-679	-9.1%
74.1%	7,397	6,658	-739	-10.0%
75.3%	7,303	6,608	-695	-9.5%
76.5%	7,224	6,333	-891	-12.3%
77.8%	7,086	6,250	-836	-11.8%
79.0%	6,570	6,175	-395	-6.0%
80.2%	6,269	6,173	-96	-1.5%
81.5%	6,203	6,167	-36	-0.6%
82.7%	5,761	6,164	403	7.0%
84.0%	5,599	5,698	99	1.8%
85.2%	5,395	5,693	298	5.5%
86.4%	3,750	5,063	1,312	35.0%
87.7%	3,716	4,699	983	26.4%
88.9%	3,459	4,666	1,207	34.9%
90.1%	2,804	4,176	1,372	48.9%
91.4%	2,796	3,864	1,068	38.2%
92.6%	2,448	3,400	952	38.9%
93.8%	2,428	3,380	952	39.2%
95.1%	2,379	2,944	565	23.7%
96.3%	2,358	2,796	438	18.6%
97.5%	1,507	2,613	1,106	73.4%
98.8%	1,484	2,425	941	63.4%
100.0%	1,440	2,400	960	66.6%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,603	8,636	33	0.4%
1.2%	8,563	8,415	-148	-1.7%
2.5%	8,167	8,097	-70	-0.9%
3.7%	7,924	8,079	155	2.0%
4.9%	7,866	8,016	150	1.9%
6.2%	7,763	7,999	236	3.0%
7.4%	7,427	7,986	559	7.5%
8.6%	7,398	7,980	582	7.9%
9.9%	7,306	7,953	648	8.9%
11.1%	7,246	7,952	706	9.7%
12.3%	7,196	7,812	616	8.6%
13.6%	7,190	7,784	593	8.3%
14.8%	7,163	7,627	464	6.5%
16.0%	7,076	7,568	492	7.0%
17.3%	7,027	7,474	447	6.4%
18.5%	7,011	7,460	449	6.4%
19.8%	6,997	7,435	438	6.3%
21.0%	6,964	7,396	433	6.2%
22.2%	6,932	7,367	435	6.3%
23.5%	6,880	7,215	335	4.9%
24.7%	6,869	6,981	113	1.6%
25.9%	6,862	6,961	99	1.4%
27.2%	6,830	6,925	95	1.4%
28.4%	6,824	6,906	82	1.2%
29.6%	6,784	6,846	62	0.9%
30.9%	6,601	6,806	205	3.1%
32.1%	6,555	6,680	125	1.9%
33.3%	6,554	6,382	-172	-2.6%
34.6%	6,546	6,380	-167	-2.5%
35.8%	6,519	6,277	-242	-3.7%
37.0%	6,508	6,274	-235	-3.6%
38.3%	6,505	6,248	-257	-3.9%
39.5%	6,486	6,233	-254	-3.9%
40.7%	6,446	6,225	-221	-3.4%
42.0%	6,441	6,190	-251	-3.9%
43.2%	6,409	6,047	-362	-5.6%
44.4%	6,386	5,832	-554	-8.7%
45.7%	6,315	5,703	-612	-9.7%
46.9%	6,207	5,602	-605	-9.7%
48.1%	6,086	5,449	-637	-10.5%
49.4%	6,056	5,401	-655	-10.8%
50.6%	6,025	5,255	-770	-12.8%
51.9%	5,878	5,213	-665	-11.3%
53.1%	5,835	5,202	-633	-10.8%
54.3%	5,794	5,196	-598	-10.3%
55.6%	5,706	5,184	-522	-9.1%
56.8%	5,353	5,121	-232	-4.3%
58.0%	5,310	5,076	-234	-4.4%
59.3%	5,267	4,697	-570	-10.8%
60.5%	5,257	4,639	-619	-11.8%
61.7%	5,240	4,496	-744	-14.2%
63.0%	4,701	4,420	-282	-6.0%
64.2%	4,495	4,355	-141	-3.1%
65.4%	4,495	3,915	-580	-12.9%
66.7%	4,020	3,895	-124	-3.1%
67.9%	3,752	3,822	70	1.9%
69.1%	3,438	3,415	-24	-0.7%
70.4%	3,412	3,330	-81	-2.4%
71.6%	2,987	3,309	321	10.8%
72.8%	2,716	3,194	478	17.6%
74.1%	2,588	2,981	393	15.2%
75.3%	2,352	2,981	629	26.8%
76.5%	2,309	2,981	672	29.1%
77.8%	2,176	2,883	707	32.5%
79.0%	1,899	2,874	975	51.4%
80.2%	1,800	2,681	881	48.9%
81.5%	1,704	2,594	890	52.2%
82.7%	1,679	2,525	846	50.4%
84.0%	1,480	2,500	1,020	68.9%
85.2%	1,450	2,500	1,050	72.4%
86.4%	1,414	2,500	1,086	76.8%
87.7%	1,411	2,500	1,089	77.2%
88.9%	1,397	2,500	1,103	78.9%
90.1%	1,354	2,494	1,141	84.3%
91.4%	1,352	2,396	1,044	77.2%
92.6%	1,300	1,939	639	49.2%
93.8%	1,260	1,575	315	25.0%
95.1%	1,165	1,480	315	27.0%
96.3%	1,064	1,453	389	36.6%
97.5%	1,041	1,049	8	0.8%
98.8%	1,000	989	-11	-1.1%
100.0%	1,000	896	-104	-10.4%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	9,973	-27	-0.3%
4.9%	10,000	9,972	-28	-0.3%
6.2%	9,966	9,923	-42	-0.4%
7.4%	9,899	9,837	-62	-0.6%
8.6%	9,789	9,801	13	0.1%
9.9%	9,761	9,801	40	0.4%
11.1%	9,692	9,750	58	0.6%
12.3%	9,536	9,699	163	1.7%
13.6%	9,521	9,696	175	1.8%
14.8%	9,503	9,687	184	1.9%
16.0%	9,442	9,656	215	2.3%
17.3%	9,340	9,520	180	1.9%
18.5%	9,258	9,508	250	2.7%
19.8%	8,911	9,504	593	6.7%
21.0%	8,118	9,415	1,297	16.0%
22.2%	8,070	9,264	1,194	14.8%
23.5%	8,059	8,955	895	11.1%
24.7%	7,741	8,875	1,134	14.7%
25.9%	7,725	8,861	1,135	14.7%
27.2%	7,676	8,428	752	9.8%
28.4%	7,364	8,072	708	9.6%
29.6%	7,295	8,016	721	9.9%
30.9%	7,251	7,976	725	10.0%
32.1%	7,215	7,352	138	1.9%
33.3%	7,058	7,221	162	2.3%
34.6%	6,827	7,068	241	3.5%
35.8%	6,756	6,934	177	2.6%
37.0%	6,680	6,932	252	3.8%
38.3%	6,505	6,753	248	3.8%
39.5%	5,082	6,716	1,634	32.2%
40.7%	5,065	6,219	1,154	22.8%
42.0%	4,739	6,093	1,354	28.6%
43.2%	4,732	5,834	1,102	23.3%
44.4%	4,632	3,981	-651	-14.1%
45.7%	4,626	3,698	-928	-20.1%
46.9%	3,654	3,604	-49	-1.4%
48.1%	3,491	3,566	75	2.1%
49.4%	3,367	3,470	103	3.1%
50.6%	3,312	3,413	100	3.0%
51.9%	3,308	3,259	-49	-1.5%
53.1%	3,261	3,244	-17	-0.5%
54.3%	3,148	3,088	-60	-1.9%
55.6%	3,131	3,055	-76	-2.4%
56.8%	3,115	2,947	-168	-5.4%
58.0%	3,092	2,831	-261	-8.5%
59.3%	3,035	2,771	-264	-8.7%
60.5%	2,906	2,752	-154	-5.3%
61.7%	2,829	2,649	-180	-6.4%
63.0%	2,778	2,586	-193	-6.9%
64.2%	2,621	2,534	-87	-3.3%
65.4%	2,588	2,487	-101	-3.9%
66.7%	2,465	2,465	0	0.0%
67.9%	2,445	2,344	-101	-4.1%
69.1%	2,436	2,291	-145	-5.9%
70.4%	2,360	2,270	-89	-3.8%
71.6%	2,288	2,182	-106	-4.6%
72.8%	2,174	2,164	-9	-0.4%
74.1%	2,130	2,152	22	1.0%
75.3%	2,007	2,123	117	5.8%
76.5%	1,916	2,075	159	8.3%
77.8%	1,904	2,000	96	5.0%
79.0%	1,751	2,000	249	14.2%
80.2%	1,707	1,918	211	12.4%
81.5%	1,488	1,877	388	26.1%
82.7%	1,488	1,839	351	23.6%
84.0%	1,369	1,834	465	34.0%
85.2%	1,305	1,833	528	40.4%
86.4%	1,147	1,752	606	52.8%
87.7%	1,036	1,752	716	69.1%
88.9%	1,034	1,488	454	43.9%
90.1%	1,030	1,399	369	35.8%
91.4%	1,005	1,317	312	31.1%
92.6%	1,000	1,305	305	30.5%
93.8%	1,000	1,032	32	3.2%
95.1%	982	1,000	18	1.8%
96.3%	897	998	101	11.3%
97.5%	773	930	156	20.2%
98.8%	773	800	27	3.4%
100.0%	773	800	27	3.4%

Table SW-23-9a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	3,312	3,145	5,786	11,338	12,918	12,986	8,811	7,670	6,330	8,371	5,972	6,575
Alternative D	3,178	3,124	5,598	11,377	13,004	13,004	8,770	7,669	6,253	8,304	6,117	6,806
Difference	-134	-21	-188	39	86	18	-41	-1	-77	-68	145	230
Percent Difference[3]	-4.0%	-0.7%	-3.3%	0.3%	0.7%	0.1%	-0.5%	0.0%	-1.2%	-0.8%	2.4%	3.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,258	4,230	8,495	22,904	26,098	23,692	15,954	14,390	10,293	8,421	5,496	10,522
Alternative D	4,098	4,103	8,034	23,117	26,333	23,769	15,960	14,387	10,371	8,477	5,517	10,901
Difference	-159	-128	-461	214	235	77	5	-3	77	56	20	379
Percent Difference	-3.7%	-3.0%	-5.4%	0.9%	0.9%	0.3%	0.0%	0.0%	0.8%	0.7%	0.4%	3.6%
Above Normal (15%)												
No Action Alternative	4,083	3,265	4,677	11,475	12,863	19,318	9,848	7,957	6,465	9,663	7,416	8,989
Alternative D	3,994	3,345	4,074	11,680	12,756	19,349	9,850	8,238	6,820	9,636	6,983	9,336
Difference	-89	81	-604	205	-106	31	3	281	356	-27	-433	348
Percent Difference	-2.2%	2.5%	-12.9%	1.8%	-0.8%	0.2%	0.0%	3.5%	5.5%	-0.3%	-5.8%	3.9%
Below Normal (17%)												
No Action Alternative	3,655	3,434	6,731	5,589	8,055	7,130	5,328	4,652	4,621	9,459	7,353	4,454
Alternative D	3,460	3,561	7,384	5,345	8,318	7,315	5,330	4,637	4,849	9,358	6,942	4,179
Difference	-196	127	653	-244	262	185	2	-15	228	-101	-411	-275
Percent Difference	-5.3%	3.7%	9.7%	-4.4%	3.3%	2.6%	0.0%	-0.3%	4.9%	-1.1%	-5.6%	-6.2%
Dry (22%)												
No Action Alternative	2,397	2,479	4,613	4,297	4,234	4,767	4,199	3,661	4,145	8,230	6,728	3,833
Alternative D	2,281	2,440	4,319	4,245	4,196	4,516	4,134	3,518	3,670	7,825	7,222	4,251
Difference	-116	-39	-294	-52	-38	-251	-64	-143	-475	-405	494	417
Percent Difference	-4.9%	-1.6%	-6.4%	-1.2%	-0.9%	-5.3%	-1.5%	-3.9%	-11.5%	-4.9%	7.3%	10.9%
Critical (15%)												
No Action Alternative	1,465	1,338	1,680	3,412	3,116	2,620	3,280	2,357	2,876	5,917	2,816	2,197
Alternative D	1,386	1,298	1,677	3,372	3,053	2,708	3,078	2,310	2,274	6,086	3,934	2,298
Difference	-79	-40	-3	-41	-63	88	-202	-47	-602	169	1,119	101
Percent Difference	-5.4%	-3.0%	-0.2%	-1.2%	-2.0%	3.4%	-6.2%	-2.0%	-20.9%	2.9%	39.7%	4.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-23-9b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

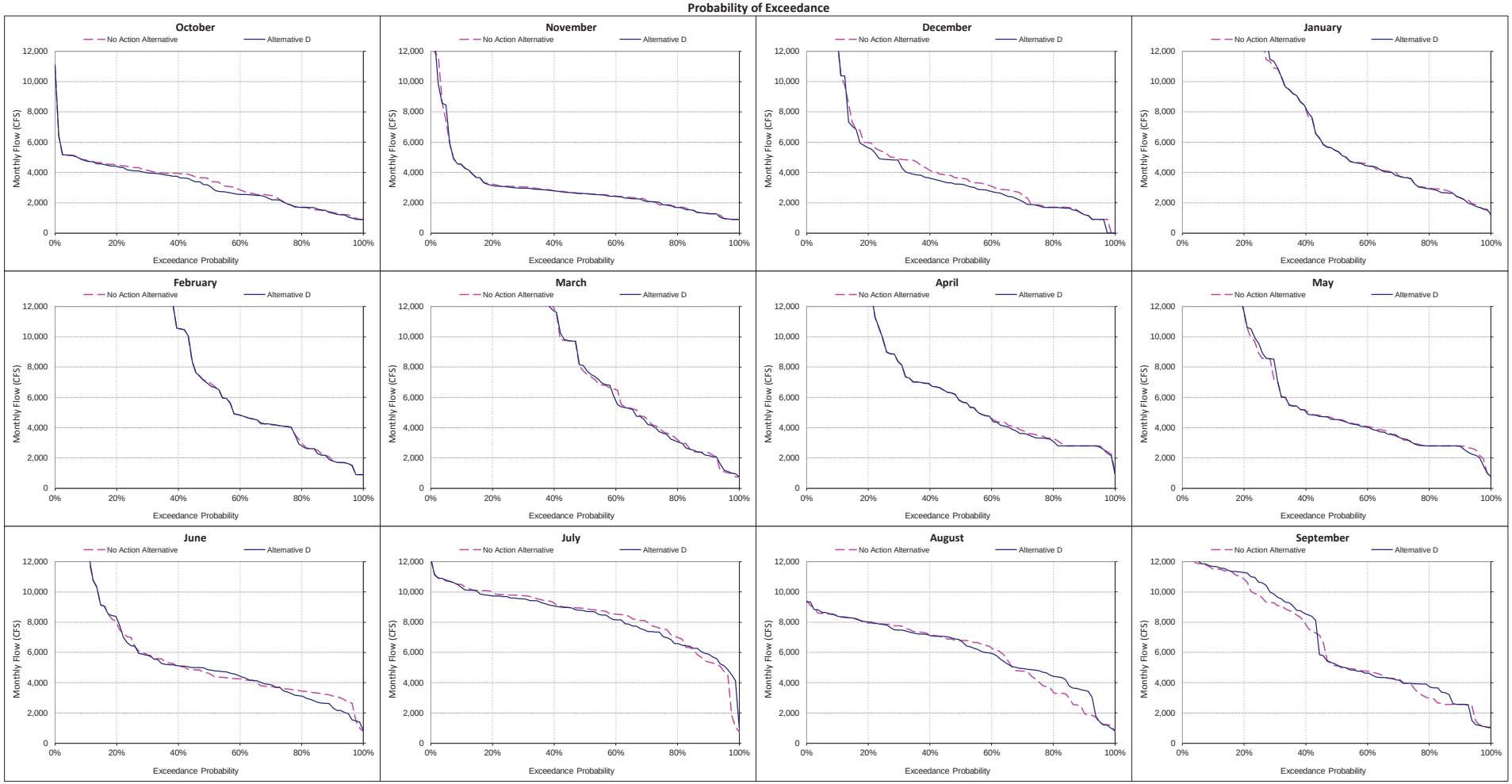

Table SW-23-9b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,104	11,107	2	0.0%
1.2%	6,414	6,429	15	0.2%
2.5%	5,151	5,155	4	0.1%
3.7%	5,138	5,152	14	0.3%
4.9%	5,129	5,129	0	0.0%
6.2%	5,127	5,101	-26	-0.5%
7.4%	5,001	5,002	0	0.0%
8.6%	4,864	4,863	-1	0.0%
9.9%	4,833	4,781	-52	-1.1%
11.1%	4,727	4,729	2	0.0%
12.3%	4,712	4,715	3	0.1%
13.6%	4,662	4,576	-86	-1.8%
14.8%	4,651	4,568	-84	-1.8%
16.0%	4,574	4,525	-50	-1.1%
17.3%	4,543	4,458	-85	-1.9%
18.5%	4,533	4,417	-116	-2.6%
19.8%	4,520	4,416	-104	-2.3%
21.0%	4,457	4,335	-121	-2.7%
22.2%	4,432	4,324	-108	-2.4%
23.5%	4,412	4,166	-246	-5.6%
24.7%	4,333	4,133	-200	-4.6%
25.9%	4,319	4,103	-216	-5.0%
27.2%	4,317	4,102	-215	-5.0%
28.4%	4,196	4,042	-154	-3.7%
29.6%	4,159	3,989	-170	-4.1%
30.9%	4,102	3,950	-152	-3.7%
32.1%	4,040	3,947	-93	-2.3%
33.3%	4,001	3,928	-73	-1.8%
34.6%	3,988	3,891	-97	-2.4%
35.8%	3,961	3,834	-127	-3.2%
37.0%	3,960	3,810	-150	-3.8%
38.3%	3,958	3,756	-202	-5.1%
39.5%	3,948	3,747	-201	-5.1%
40.7%	3,921	3,634	-287	-7.3%
42.0%	3,907	3,630	-277	-7.1%
43.2%	3,884	3,594	-290	-7.5%
44.4%	3,802	3,467	-335	-8.8%
45.7%	3,699	3,386	-312	-8.4%
46.9%	3,649	3,382	-267	-7.3%
48.1%	3,644	3,205	-439	-12.0%
49.4%	3,629	3,180	-448	-12.4%
50.6%	3,403	3,034	-369	-10.9%
51.9%	3,386	2,815	-571	-16.9%
53.1%	3,374	2,747	-628	-18.6%
54.3%	3,151	2,734	-417	-13.2%
55.6%	3,085	2,698	-387	-12.5%
56.8%	3,057	2,666	-391	-12.8%
58.0%	3,031	2,597	-434	-14.3%
59.3%	2,918	2,566	-351	-12.0%
60.5%	2,811	2,552	-259	-9.2%
61.7%	2,705	2,547	-158	-5.8%
63.0%	2,652	2,533	-119	-4.5%
64.2%	2,618	2,521	-97	-3.7%
65.4%	2,550	2,483	-67	-2.6%
66.7%	2,548	2,474	-73	-2.9%
67.9%	2,542	2,413	-129	-5.1%
69.1%	2,498	2,292	-205	-8.2%
70.4%	2,479	2,199	-280	-11.3%
71.6%	2,387	2,189	-198	-8.3%
72.8%	2,204	2,178	-26	-1.2%
74.1%	2,075	2,048	-27	-1.3%
75.3%	1,927	1,925	-2	-0.1%
76.5%	1,837	1,842	4	0.2%
77.8%	1,707	1,743	36	2.1%
79.0%	1,700	1,716	16	0.9%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,585	1,700	115	7.3%
84.0%	1,539	1,668	129	8.4%
85.2%	1,531	1,584	52	3.4%
86.4%	1,507	1,532	24	1.6%
87.7%	1,448	1,507	59	4.1%
88.9%	1,400	1,352	-48	-3.4%
90.1%	1,350	1,304	-46	-3.4%
91.4%	1,303	1,236	-67	-5.1%
92.6%	1,235	1,200	-35	-2.8%
93.8%	1,200	1,200	0	0.0%
95.1%	1,200	1,060	-140	-11.7%
96.3%	1,060	985	-75	-7.1%
97.5%	984	900	-84	-8.5%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,067	23,072	6	0.0%
1.2%	11,939	12,875	936	7.8%
2.5%	11,671	9,794	-1,877	-16.1%
3.7%	8,621	8,582	-39	-0.5%
4.9%	7,420	8,461	1,041	14.0%
6.2%	5,902	5,910	9	0.2%
7.4%	4,924	4,925	1	0.0%
8.6%	4,577	4,573	-4	-0.1%
9.9%	4,540	4,543	3	0.1%
11.1%	4,279	4,282	3	0.1%
12.3%	4,146	4,147	1	0.0%
13.6%	3,891	3,892	1	0.0%
14.8%	3,662	3,664	1	0.0%
16.0%	3,607	3,658	51	1.4%
17.3%	3,315	3,315	0	0.0%
18.5%	3,286	3,211	-76	-2.3%
19.8%	3,239	3,149	-90	-2.8%
21.0%	3,207	3,107	-100	-3.1%
22.2%	3,123	3,094	-29	-0.9%
23.5%	3,093	3,086	-7	-0.2%
24.7%	3,091	3,052	-39	-1.3%
25.9%	3,088	3,023	-65	-2.1%
27.2%	3,076	2,988	-88	-2.9%
28.4%	3,056	2,976	-81	-2.6%
29.6%	3,048	2,966	-82	-2.7%
30.9%	3,047	2,960	-87	-2.9%
32.1%	3,020	2,942	-78	-2.6%
33.3%	2,973	2,901	-72	-2.4%
34.6%	2,956	2,879	-77	-2.6%
35.8%	2,895	2,872	-23	-0.8%
37.0%	2,879	2,865	-14	-0.5%
38.3%	2,859	2,818	-41	-1.4%
39.5%	2,800	2,816	16	0.6%
40.7%	2,788	2,760	-28	-1.0%
42.0%	2,751	2,755	5	0.2%
43.2%	2,748	2,697	-51	-1.8%
44.4%	2,693	2,687	-6	-0.2%
45.7%	2,683	2,670	-14	-0.5%
46.9%	2,665	2,635	-29	-1.1%
48.1%	2,633	2,621	-13	-0.5%
49.4%	2,610	2,608	-2	-0.1%
50.6%	2,589	2,592	3	0.1%
51.9%	2,583	2,587	4	0.2%
53.1%	2,566	2,547	-19	-0.7%
54.3%	2,559	2,531	-28	-1.1%
55.6%	2,533	2,526	-7	-0.3%
56.8%	2,526	2,476	-50	-2.0%
58.0%	2,458	2,435	-23	-0.9%
59.3%	2,454	2,424	-31	-1.3%
60.5%	2,421	2,411	-10	-0.4%
61.7%	2,410	2,386	-24	-1.0%
63.0%	2,379	2,312	-67	-2.8%
64.2%	2,366	2,289	-77	-3.3%
65.4%	2,342	2,263	-78	-3.3%
66.7%	2,314	2,262	-52	-2.2%
67.9%	2,290	2,247	-43	-1.9%
69.1%	2,257	2,128	-129	-5.7%
70.4%	2,077	2,074	-3	-0.1%
71.6%	2,070	2,070	0	0.0%
72.8%	2,022	2,068	46	2.3%
74.1%	1,863	2,025	162	8.7%
75.3%	1,858	1,859	2	0.1%
76.5%	1,850	1,856	6	0.4%
77.8%	1,787	1,849	62	3.5%
79.0%	1,776	1,700	-76	-4.3%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,664	-36	-2.1%
82.7%	1,647	1,550	-97	-5.9%
84.0%	1,548	1,544	-4	-0.2%
85.2%	1,499	1,497	-2	-0.1%
86.4%	1,357	1,363	6	0.4%
87.7%	1,344	1,347	3	0.2%
88.9%	1,312	1,309	-3	-0.2%
90.1%	1,280	1,282	2	0.2%
91.4%	1,271	1,272	1	0.1%
92.6%	1,270	1,271	1	0.1%
93.8%	1,177	1,033	-143	-12.2%
95.1%	954	949	-5	-0.5%
96.3%	937	937	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,403	48,409	6	0.0%
1.2%	32,897	34,807	1,909	5.8%
2.5%	32,019	30,613	-1,406	-4.4%
3.7%	21,161	21,759	598	2.8%
4.9%	20,375	21,308	933	4.6%
6.2%	18,708	21,179	2,471	13.2%
7.4%	17,732	18,591	860	4.8%
8.6%	13,076	14,957	1,881	14.4%
9.9%	12,933	12,933	0	0.0%
11.1%	10,411	10,382	-29	-0.3%
12.3%	9,782	10,371	589	6.0%
13.6%	8,600	7,336	-1,264	-14.7%
14.8%	7,335	7,048	-287	-3.9%
16.0%	6,829	6,833	4	0.1%
17.3%	6,808	5,949	-859	-12.6%
18.5%	5,995	5,801	-193	-3.2%
19.8%	5,972	5,638	-334	-5.6%
21.0%	5,948	5,545	-403	-6.8%
22.2%	5,635	5,282	-353	-6.3%
23.5%	5,476	4,929	-547	-10.0%
24.7%	5,382	4,881	-501	-9.3%
25.9%	5,262	4,865	-396	-7.5%
27.2%	5,031	4,846	-186	-3.7%
28.4%	4,994	4,828	-166	-3.3%
29.6%	4,919	4,822	-98	-2.0%
30.9%	4,864	4,311	-553	-11.4%
32.1%	4,843	4,036	-807	-16.7%
33.3%	4,825	3,953	-871	-18.1%
34.6%	4,815	3,891	-924	-19.2%
35.8%	4,692	3,842	-851	-18.1%
37.0%	4,480	3,815	-665	-14.8%
38.3%	4,360	3,693	-666	-15.3%
39.5%	4,207	3,661	-546	-13.0%
40.7%	4,046	3,591	-455	-11.2%
42.0%	4,038	3,521	-517	-12.8%
43.2%	3,892	3,446	-446	-11.4%
44.4%	3,864	3,388	-476	-12.3%
45.7%	3,810	3,326	-484	-12.7%
46.9%	3,797	3,325	-472	-12.4%
48.1%	3,660	3,239	-421	-11.5%
49.4%	3,647	3,238	-409	-11.2%
50.6%	3,608	3,222	-386	-10.7%
51.9%	3,589	3,137	-453	-12.6%
53.1%	3,382	3,054	-328	-9.7%
54.3%	3,324	3,021	-303	-9.1%
55.6%	3,321	2,883	-438	-13.2%
56.8%	3,289	2,862	-427	-13.0%
58.0%	3,230	2,850	-380	-11.8%
59.3%	3,136	2,789	-346	-11.0%
60.5%	3,045	2,716	-328	-10.8%
61.7%	2,897	2,663	-235	-8.1%
63.0%	2,881	2,629	-252	-8.7%
64.2%	2,863	2,505	-358	-12.5%
65.4%	2,852	2,420	-433	-15.2%
66.7%	2,788	2,402	-386	-13.9%
67.9%	2,723	2,280	-443	-16.3%
69.1%	2,663	2,184	-478	-18.0%
70.4%	2,387	2,044	-343	-14.4%
71.6%	2,313	1,892	-420	-18.2%
72.8%	1,867	1,872	5	0.3%
74.1%	1,855	1,859	4	0.2%
75.3%	1,853	1,798	-55	-3.0%
76.5%	1,796	1,706	-91	-5.1%
77.8%	1,716	1,700	-16	-1.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,700	1,657	-43	-2.5%
84.0%	1,700	1,650	-50	-2.9%
85.2%	1,673	1,648	-25	-1.5%
86.4%	1,648	1,528	-120	-7.3%
87.7%	1,526	1,468	-59	-3.8%
88.9%	1,337	1,335	-2	-0.1%
90.1%	1,200	1,200	0	0.0%
91.4%	1,159	1,158	-1	-0.1%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	0	-900	-100.0%
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,431	98,427	-4	0.0%
1.2%	67,172	67,194	22	0.0%
2.5%	38,850	38,847	-3	0.0%
3.7%	37,900	37,896	-4	0.0%
4.9%	35,751	36,130	379	1.1%
6.2%	33,046	35,890	2,844	8.6%
7.4%	32,056	33,693	1,637	5.1%
8.6%	31,531	31,542	11	0.0%
9.9%	21,994	21,988	-6	0.0%
11.1%	21,686	21,692	6	0.0%
12.3%	21,603	21,014	-589	-2.7%
13.6%	21,001	20,665	-336	-1.6%
14.8%	20,687	20,381	-307	-1.5%
16.0%	19,246	18,805	-441	-2.3%
17.3%	18,798	18,013	-785	-4.2%
18.5%	17,938	17,950	13	0.1%
19.8%	17,623	17,631	8	0.0%
21.0%	17,285	17,286	2	0.0%
22.2%	16,366	16,371	5	0.0%
23.5%	16,247	16,253	7	0.0%
24.7%	13,212	13,213	1	0.0%
25.9%	13,021	13,018	-3	0.0%
27.2%	11,473	12,880	1,407	12.3%
28.4%	11,324	11,474	150	1.3%
29.6%	10,906	11,346	440	4.0%
30.9%	10,846	10,908	62	0.6%
32.1%	10,308	10,310	2	0.0%
33.3%	9,624	9,658	34	0.4%
34.6%	9,478	9,478	0	0.0%
35.8%	9,211	9,210	-1	0.0%
37.0%	9,083	9,086	3	0.0%
38.3%	8,655	8,656	1	0.0%
39.5%	8,442	8,443	0	0.0%
40.7%	7,707	7,960	253	3.3%
42.0%	7,635	7,634	-1	0.0%
43.2%	6,568	6,570	2	0.0%
44.4%	6,258	6,259	2	0.0%
45.7%	5,836	5,843	7	0.1%
46.9%	5,654	5,698	43	0.8%
48.1%	5,632	5,652	20	0.4%
49.4%	5,484	5,485	1	0.0%
50.6%	5,354	5,354	-1	0.0%
51.9%	5,110	5,113	2	0.0%
53.1%	4,984	5,002	18	0.4%
54.3%	4,738	4,723	-15	-0.3%
55.6%	4,717	4,659	-57	-1.2%
56.8%	4,652	4,629	-23	-0.5%
58.0%	4,623	4,594	-29	-0.6%
59.3%	4,582	4,452	-130	-2.8%
60.5%	4,430	4,430	-1	0.0%
61.7%	4,408	4,410	2	0.0%
63.0%	4,200	4,340	140	3.3%
64.2%	4,172	4,174	2	0.1%
65.4%	4,126	4,049	-77	-1.9%
66.7%	4,082	4,019	-63	-1.5%
67.9%	4,016	4,011	-4	-0.1%
69.1%	4,008	3,805	-203	-5.1%
70.4%	3,737	3,746	8	0.2%
71.6%	3,701	3,664	-37	-1.0%
72.8%	3,661	3,650	-11	-0.3%
74.1%	3,582	3,591	9	0.3%
75.3%	3,228	3,234	6	0.2%
76.5%	3,055	3,055	-1	0.0%
77.8%	3,051	2,997	-54	-1.8%
79.0%	2,997	2,949	-49	-1.6%
80.2%	2,950	2,922	-28	-0.9%
81.5%	2,935	2,871	-64	-2.2%
82.7%	2,920	2,801	-119	-4.1%
84.0%	2,907	2,668	-239	-8.2%
85.2%	2,839	2,661	-178	-6.3%
86.4%	2,760	2,639	-121	-4.4%
87.7%	2,647	2,633	-14	-0.5%
88.9%	2,409	2,414	5	0.2%
90.1%	2,333	2,334	2	0.1%
91.4%	2,211	2,188	-24	-1.1%
92.6%	2,187	1,969	-217	-9.9%
93.8%	1,967	1,897	-70	-3.6%
95.1%	1,880	1,753	-127	-6.8%
96.3%	1,700	1,700	0	0.0%
97.5%	1,587	1,586	-1	-0.1%
98.8%	1,515	1,564	49	3.3%
100.0%	1,200	1,200	0	0.0%

Table SW-23-9b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,646	76,461	1,815	2.4%
1.2%	47,661	47,756	95	0.2%
2.5%	36,819	36,812	-6	0.0%
3.7%	36,336	36,341	6	0.0%
4.9%	35,637	35,641	4	0.0%
6.2%	35,414	35,420	6	0.0%
7.4%	35,063	35,061	-3	0.0%
8.6%	33,624	33,622	-2	0.0%
9.9%	31,040	31,037	-2	0.0%
11.1%	30,146	30,151	5	0.0%
12.3%	30,130	28,830	-1,300	-4.3%
13.6%	28,315	28,294	-22	-0.1%
14.8%	25,886	27,007	1,121	4.3%
16.0%	25,806	25,866	60	0.2%
17.3%	25,229	25,461	232	0.9%
18.5%	24,130	25,225	1,094	4.5%
19.8%	24,018	24,028	10	0.0%
21.0%	22,239	22,391	152	0.7%
22.2%	20,605	20,607	3	0.0%
23.5%	20,369	20,385	16	0.1%
24.7%	20,210	19,645	-565	-2.8%
25.9%	18,698	19,186	488	2.6%
27.2%	17,037	18,700	1,663	9.8%
28.4%	16,420	17,458	1,037	6.3%
29.6%	16,098	17,367	1,269	7.9%
30.9%	15,798	16,428	631	4.0%
32.1%	15,769	16,105	335	2.1%
33.3%	15,708	15,819	111	0.7%
34.6%	15,340	15,771	431	2.8%
35.8%	13,600	13,199	-401	-2.9%
37.0%	12,704	12,704	0	0.0%
38.3%	12,138	12,137	-1	0.0%
39.5%	10,574	10,577	3	0.0%
40.7%	10,526	10,528	2	0.0%
42.0%	10,472	10,471	-1	0.0%
43.2%	10,036	10,056	20	0.2%
44.4%	8,401	8,402	1	0.0%
45.7%	7,628	7,629	1	0.0%
46.9%	7,409	7,409	1	0.0%
48.1%	7,128	7,124	-4	-0.1%
49.4%	7,119	6,943	-175	-2.5%
50.6%	6,899	6,726	-173	-2.5%
51.9%	6,716	6,658	-58	-0.9%
53.1%	6,521	6,518	-3	-0.1%
54.3%	5,958	5,957	-1	0.0%
55.6%	5,928	5,929	1	0.0%
56.8%	5,620	5,620	0	0.0%
58.0%	4,906	4,908	2	0.0%
59.3%	4,865	4,861	-5	-0.1%
60.5%	4,789	4,787	-1	0.0%
61.7%	4,708	4,714	6	0.1%
63.0%	4,623	4,627	4	0.1%
64.2%	4,576	4,577	1	0.0%
65.4%	4,526	4,529	3	0.1%
66.7%	4,258	4,318	61	1.4%
67.9%	4,246	4,260	15	0.3%
69.1%	4,212	4,254	43	1.0%
70.4%	4,185	4,211	26	0.6%
71.6%	4,174	4,191	17	0.4%
72.8%	4,134	4,137	3	0.1%
74.1%	4,098	4,096	-1	0.0%
75.3%	4,077	4,084	7	0.2%
76.5%	4,015	4,016	1	0.0%
77.8%	3,533	3,536	3	0.1%
79.0%	3,255	2,926	-330	-10.1%
80.2%	2,921	2,745	-175	-6.0%
81.5%	2,664	2,638	-26	-1.0%
82.7%	2,617	2,619	2	0.1%
84.0%	2,607	2,614	6	0.2%
85.2%	2,498	2,272	-226	-9.0%
86.4%	2,274	2,178	-97	-4.3%
87.7%	2,177	2,173	-5	-0.2%
88.9%	2,067	1,891	-176	-8.5%
90.1%	1,774	1,785	11	0.6%
91.4%	1,700	1,701	1	0.0%
92.6%	1,700	1,700	0	0.0%
93.8%	1,700	1,700	0	0.0%
95.1%	1,623	1,623	0	0.0%
96.3%	1,510	1,514	4	0.3%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,624	58,629	5	0.0%
1.2%	58,327	58,325	-3	0.0%
2.5%	47,905	50,653	2,748	5.7%
3.7%	43,551	42,464	-1,087	-2.5%
4.9%	36,124	36,134	9	0.0%
6.2%	34,670	34,671	2	0.0%
7.4%	34,052	34,050	-2	0.0%
8.6%	30,904	30,911	7	0.0%
9.9%	29,602	29,723	121	0.4%
11.1%	29,379	29,246	-133	-0.5%
12.3%	29,112	29,117	5	0.0%
13.6%	27,685	27,684	-1	0.0%
14.8%	26,133	26,122	-11	0.0%
16.0%	23,868	23,870	1	0.0%
17.3%	22,317	22,301	-15	-0.1%
18.5%	21,899	21,909	10	0.0%
19.8%	19,914	19,918	4	0.0%
21.0%	19,913	19,915	1	0.0%
22.2%	19,061	19,059	-2	0.0%
23.5%	18,950	18,931	-18	-0.1%
24.7%	18,575	18,577	1	0.0%
25.9%	17,103	17,789	686	4.0%
27.2%	16,988	16,990	2	0.0%
28.4%	16,206	16,588	382	2.4%
29.6%	15,564	16,587	1,023	6.6%
30.9%	14,770	16,205	1,435	9.7%
32.1%	14,586	14,767	180	1.2%
33.3%	14,523	14,592	69	0.5%
34.6%	14,058	13,935	-123	-0.9%
35.8%	13,952	12,920	-1,032	-7.4%
37.0%	12,919	12,186	-733	-5.7%
38.3%	12,187	12,054	-134	-1.1%
39.5%	12,053	11,764	-289	-2.4%
40.7%	11,601	11,603	2	0.0%
42.0%	9,827	10,252	425	4.3%
43.2%	9,764	9,832	68	0.7%
44.4%	9,754	9,759	5	0.0%
45.7%	9,723	9,725	2	0.0%
46.9%	9,723	9,719	-4	0.0%
48.1%	8,104	8,154	50	0.6%
49.4%	7,766	8,103	337	4.3%
50.6%	7,532	7,762	230	3.1%
51.9%	7,377	7,529	152	2.1%
53.1%	7,190	7,384	194	2.7%
54.3%	6,907	7,194	287	4.2%
55.6%	6,816	6,938	123	1.8%
56.8%	6,790	6,833	42	0.6%
58.0%	6,608	6,796	187	2.8%
59.3%	6,570	6,104	-466	-7.1%
60.5%	6,486	5,526	-960	-14.8%
61.7%	5,526	5,375	-151	-2.7%
63.0%	5,376	5,333	-44	-0.8%
64.2%	5,330	5,280	-50	-0.9%
65.4%	5,236	5,196	-40	-0.8%
66.7%	5,183	4,760	-423	-8.2%
67.9%	4,757	4,740	-18	-0.4%
69.1%	4,737	4,537	-201	-4.2%
70.4%	4,530	4,212	-318	-7.0%
71.6%	4,208	4,149	-59	-1.4%
72.8%	4,114	3,981	-133	-3.2%
74.1%	3,981	3,739	-241	-6.1%
75.3%	3,731	3,639	-92	-2.5%
76.5%	3,634	3,558	-75	-2.1%
77.8%	3,552	3,245	-307	-8.6%
79.0%	3,371	3,153	-218	-6.5%
80.2%	3,149	3,054	-94	-3.0%
81.5%	2,970	2,963	-7	-0.2%
82.7%	2,951	2,657	-294	-10.0%
84.0%	2,590	2,575	-15	-0.6%
85.2%	2,435	2,515	80	3.3%
86.4%	2,397	2,403	6	0.2%
87.7%	2,375	2,373	-2	-0.1%
88.9%	2,372	2,190	-182	-7.7%
90.1%	2,342	2,165	-178	-7.6%
91.4%	2,187	2,080	-107	-4.9%
92.6%	2,066	2,073	7	0.3%
93.8%	1,151	1,601	450	39.1%
95.1%	1,105	1,214	109	9.9%
96.3%	1,000	1,103	103	10.3%
97.5%	1,000	1,000	0	0.0%
98.8%	750	959	209	27.9%
100.0%	750	750	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,219	49,225	6	0.0%
1.2%	30,325	30,329	4	0.0%
2.5%	28,609	28,609	0	0.0%
3.7%	27,668	27,670	2	0.0%
4.9%	27,286	27,389	102	0.4%
6.2%	27,135	27,293	157	0.6%
7.4%	25,742	25,750	8	0.0%
8.6%	25,476	25,475	-1	0.0%
9.9%	21,671	21,668	-3	0.0%
11.1%	18,842	18,681	-161	-0.9%
12.3%	17,899	17,905	6	0.0%
13.6%	14,918	14,919	1	0.0%
14.8%	14,839	14,843	4	0.0%
16.0%	14,496	14,504	8	0.1%
17.3%	13,919	13,908	-11	-0.1%
18.5%	13,789	13,801	11	0.1%
19.8%	13,312	13,313	1	0.0%
21.0%	12,756	12,762	5	0.0%
22.2%	11,275	11,276	0	0.0%
23.5%	10,608	10,608	0	0.0%
24.7%	9,858	9,882	24	0.2%
25.9%	8,994	8,996	2	0.0%
27.2%	8,872	8,873	1	0.0%
28.4%	8,864	8,861	-2	0.0%
29.6%	8,375	8,376	1	0.0%
30.9%	8,121	8,122	1	0.0%
32.1%	7,350	7,349	-1	0.0%
33.3%	7,271	7,274	3	0.0%
34.6%	7,021	7,018	-2	0.0%
35.8%	7,014	7,016	2	0.0%
37.0%	6,996	6,982	-14	-0.2%
38.3%	6,938	6,937	-1	0.0%
39.5%	6,925	6,935	10	0.1%
40.7%	6,726	6,725	-1	0.0%
42.0%	6,702	6,699	-3	-0.1%
43.2%	6,638	6,638	0	0.0%
44.4%	6,477	6,479	2	0.0%
45.7%	6,330	6,335	6	0.1%
46.9%	6,299	6,301	2	0.0%
48.1%	6,210	6,206	-4	-0.1%
49.4%	5,826	5,832	6	0.1%
50.6%	5,681	5,679	-2	0.0%
51.9%	5,637	5,640	2	0.0%
53.1%	5,341	5,341	0	0.0%
54.3%	5,313	5,314	1	0.0%
55.6%	4,983	5,004	21	0.4%
56.8%	4,874	4,876	2	0.0%
58.0%	4,791	4,797	6	0.1%
59.3%	4,778	4,756	-21	-0.4%
60.5%	4,521	4,384	-137	-3.0%
61.7%	4,382	4,355	-27	-0.6%
63.0%	4,356	4,152	-204	-4.7%
64.2%	4,353	4,104	-249	-5.7%
65.4%	4,153	4,042	-112	-2.7%
66.7%	4,097	3,891	-205	-5.0%
67.9%	4,041	3,784	-257	-6.4%
69.1%	3,871	3,622	-249	-6.4%
70.4%	3,778	3,613	-166	-4.4%
71.6%	3,621	3,558	-63	-1.7%
72.8%	3,608	3,452	-156	-4.3%
74.1%	3,557	3,341	-216	-6.1%
75.3%	3,460	3,316	-144	-4.2%
76.5%	3,451	3,313	-138	-4.0%
77.8%	3,320	3,282	-38	-1.2%
79.0%	3,313	3,229	-84	-2.5%
80.2%	3,272	3,043	-230	-7.0%
81.5%	3,108	2,800	-308	-9.9%
82.7%	2,944	2,800	-144	-4.9%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,800	2,800	0	0.0%
92.6%	2,800	2,800	0	0.0%
93.8%	2,800	2,800	0	0.0%
95.1%	2,800	2,710	-90	-3.2%
96.3%	2,571	2,571	0	0.0%
97.5%	2,416	2,307	-109	-4.5%
98.8%	2,251	2,152	-99	-4.4%
100.0%	1,082	940	-142	-13.1%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,947	34,946	-1	0.0%
1.2%	32,854	32,861	6	0.0%
2.5%	30,533	30,534	1	0.0%
3.7%	25,952	25,958	6	0.0%
4.9%	23,972	23,978	6	0.0%
6.2%	21,987	21,988	1	0.0%
7.4%	19,444	19,448	3	0.0%
8.6%	19,204	19,202	-2	0.0%
9.9%	17,934	17,936	2	0.0%
11.1%	17,385	17,391	6	0.0%
12.3%	16,041	16,041	0	0.0%
13.6%	15,943	15,942	-1	0.0%
14.8%	14,149	14,144	-5	0.0%
16.0%	13,540	13,540	-1	0.0%
17.3%	13,417	13,419	2	0.0%
18.5%	12,795	12,789	-6	0.0%
19.8%	11,847	11,859	12	0.1%
21.0%	10,618	10,628	9	0.1%
22.2%	9,927	10,527	600	6.0%
23.5%	9,712	9,928	217	2.2%
24.7%	8,938	9,587	649	7.3%
25.9%	8,580	8,938	357	4.2%
27.2%	8,569	8,581	12	0.1%
28.4%	8,525	8,569	44	0.5%
29.6%	7,206	8,523	1,317	18.3%
30.9%	7,045	7,048	2	0.0%
32.1%	6,012	6,012	0	0.0%
33.3%	6,010	6,009	-1	0.0%
34.6%	5,465	5,528	62	1.1%
35.8%	5,436	5,436	0	0.0%
37.0%	5,418	5,424	6	0.1%
38.3%	5,189	5,186	-2	0.0%
39.5%	5,185	5,179	-5	-0.1%
40.7%	5,023	4,872	-151	-3.0%
42.0%	4,863	4,846	-17	-0.3%
43.2%	4,844	4,821	-23	-0.5%
44.4%	4,818	4,736	-81	-1.7%
45.7%	4,748	4,731	-17	-0.4%
46.9%	4,730	4,725	-5	-0.1%
48.1%	4,689	4,558	-132	-2.8%
49.4%	4,534	4,534	0	0.0%
50.6%	4,532	4,524	-8	-0.2%
51.9%	4,521	4,455	-66	-1.5%
53.1%	4,394	4,371	-23	-0.5%
54.3%	4,370	4,264	-106	-2.4%
55.6%	4,261	4,220	-41	-1.0%
56.8%	4,213	4,184	-29	-0.7%
58.0%	4,151	4,088	-63	-1.5%
59.3%	4,092	4,073	-19	-0.5%
60.5%	4,067	4,001	-66	-1.6%
61.7%	3,999	3,872	-127	-3.2%
63.0%	3,876	3,824	-52	-1.3%
64.2%	3,869	3,724	-144	-3.7%
65.4%	3,811	3,704	-108	-2.8%
66.7%	3,697	3,573	-124	-3.4%
67.9%	3,549	3,549	-1	0.0%
69.1%	3,454	3,528	74	2.2%
70.4%	3,345	3,348	2	0.1%
71.6%	3,203	3,268	66	2.1%
72.8%	3,165	3,210	45	1.4%
74.1%	3,109	3,051	-58	-1.9%
75.3%	2,949	2,912	-38	-1.3%
76.5%	2,911	2,824	-87	-3.0%
77.8%	2,824	2,817	-7	-0.2%
79.0%	2,800	2,800	0	0.0%
80.2%	2,800	2,800	0	0.0%
81.5%	2,800	2,800	0	0.0%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,768	-32	-1.2%
91.4%	2,770	2,551	-219	-7.9%
92.6%	2,681	2,384	-298	-11.1%
93.8%	2,634	2,246	-388	-14.7%
95.1%	2,546	2,182	-364	-14.3%
96.3%	2,182	2,027	-155	-7.1%
97.5%	1,968	1,486	-481	-24.5%
98.8%	1,000	1,000	0	0.0%
100.0%	750	750	0	0.0%

Table SW-23-9b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,601	24,497	-104	-0.4%
1.2%	22,426	22,432	6	0.0%
2.5%	19,254	19,260	6	0.0%
3.7%	18,975	18,976	1	0.0%
4.9%	18,580	18,579	-1	0.0%
6.2%	18,128	18,126	-2	0.0%
7.4%	17,594	17,599	6	0.0%
8.6%	12,458	12,450	-8	-0.1%
9.9%	12,431	12,428	-3	0.0%
11.1%	11,983	12,292	309	2.6%
12.3%	10,791	10,788	-3	0.0%
13.6%	10,322	10,324	3	0.0%
14.8%	9,132	9,138	6	0.1%
16.0%	9,051	9,052	1	0.0%
17.3%	8,538	8,540	2	0.0%
18.5%	8,197	8,446	249	3.0%
19.8%	8,073	8,382	308	3.8%
21.0%	7,491	7,784	293	3.9%
22.2%	7,260	6,998	-262	-3.6%
23.5%	7,034	6,642	-392	-5.6%
24.7%	6,986	6,443	-543	-7.8%
25.9%	6,397	6,423	27	0.4%
27.2%	6,105	5,944	-161	-2.6%
28.4%	5,991	5,891	-101	-1.7%
29.6%	5,905	5,828	-77	-1.3%
30.9%	5,715	5,799	84	1.5%
32.1%	5,617	5,552	-65	-1.2%
33.3%	5,581	5,537	-43	-0.8%
34.6%	5,578	5,276	-302	-5.4%
35.8%	5,363	5,212	-151	-2.8%
37.0%	5,291	5,184	-106	-2.0%
38.3%	5,276	5,180	-96	-1.8%
39.5%	5,075	5,141	66	1.3%
40.7%	5,075	5,107	32	0.6%
42.0%	5,005	5,101	96	1.9%
43.2%	4,890	5,054	164	3.4%
44.4%	4,880	5,004	124	2.5%
45.7%	4,853	5,000	147	3.0%
46.9%	4,852	4,994	142	2.9%
48.1%	4,682	4,982	300	6.4%
49.4%	4,654	4,872	218	4.7%
50.6%	4,551	4,827	275	6.1%
51.9%	4,391	4,784	393	8.9%
53.1%	4,363	4,766	404	9.2%
54.3%	4,356	4,732	376	8.6%
55.6%	4,334	4,710	375	8.7%
56.8%	4,279	4,631	352	8.2%
58.0%	4,273	4,587	313	7.3%
59.3%	4,258	4,501	243	5.7%
60.5%	4,248	4,385	137	3.2%
61.7%	4,172	4,316	144	3.4%
63.0%	4,163	4,175	13	0.3%
64.2%	4,161	4,151	-10	-0.2%
65.4%	3,987	4,129	142	3.6%
66.7%	3,801	4,024	223	5.9%
67.9%	3,773	3,920	147	3.9%
69.1%	3,738	3,896	157	4.2%
70.4%	3,734	3,843	109	2.9%
71.6%	3,696	3,701	5	0.1%
72.8%	3,688	3,694	5	0.1%
74.1%	3,587	3,452	-135	-3.8%
75.3%	3,585	3,396	-189	-5.3%
76.5%	3,563	3,285	-278	-7.8%
77.8%	3,497	3,169	-328	-9.4%
79.0%	3,491	3,131	-360	-10.3%
80.2%	3,441	3,106	-335	-9.7%
81.5%	3,413	2,967	-445	-13.1%
82.7%	3,382	2,902	-479	-14.2%
84.0%	3,342	2,800	-542	-16.2%
85.2%	3,324	2,704	-620	-18.7%
86.4%	3,263	2,649	-614	-18.8%
87.7%	3,231	2,628	-604	-18.7%
88.9%	3,209	2,623	-586	-18.3%
90.1%	3,122	2,330	-793	-25.4%
91.4%	3,059	2,169	-889	-29.1%
92.6%	3,007	2,159	-848	-28.2%
93.8%	2,861	2,031	-830	-29.0%
95.1%	2,697	1,968	-730	-27.1%
96.3%	2,650	1,542	-1,108	-41.8%
97.5%	1,495	1,486	-9	-0.6%
98.8%	1,000	1,395	395	39.5%
100.0%	750	800	50	6.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,198	12,221	23	0.2%
1.2%	11,117	11,148	31	0.3%
2.5%	10,932	10,907	-24	-0.2%
3.7%	10,891	10,902	10	0.1%
4.9%	10,791	10,738	-53	-0.5%
6.2%	10,697	10,695	-2	0.0%
7.4%	10,656	10,617	-38	-0.4%
8.6%	10,515	10,496	-20	-0.2%
9.9%	10,498	10,316	-182	-1.7%
11.1%	10,348	10,140	-208	-2.0%
12.3%	10,226	10,112	-114	-1.1%
13.6%	10,124	10,111	-13	-0.1%
14.8%	10,113	10,079	-34	-0.3%
16.0%	10,090	9,868	-222	-2.2%
17.3%	10,088	9,814	-274	-2.7%
18.5%	10,071	9,783	-288	-2.9%
19.8%	10,039	9,748	-290	-2.9%
21.0%	9,862	9,736	-126	-1.3%
22.2%	9,824	9,733	-91	-0.9%
23.5%	9,820	9,696	-124	-1.3%
24.7%	9,808	9,696	-112	-1.1%
25.9%	9,800	9,599	-201	-2.1%
27.2%	9,792	9,594	-197	-2.0%
28.4%	9,778	9,556	-222	-2.3%
29.6%	9,752	9,548	-204	-2.1%
30.9%	9,748	9,521	-227	-2.3%
32.1%	9,704	9,432	-272	-2.8%
33.3%	9,642	9,431	-212	-2.2%
34.6%	9,542	9,407	-135	-1.4%
35.8%	9,487	9,288	-199	-2.1%
37.0%	9,416	9,223	-192	-2.0%
38.3%	9,400	9,150	-250	-2.7%
39.5%	9,341	9,095	-245	-2.6%
40.7%	9,146	9,035	-112	-1.2%
42.0%	9,064	9,013	-50	-0.6%
43.2%	9,007	8,967	-40	-0.4%
44.4%	8,977	8,967	-11	-0.1%
45.7%	8,967	8,946	-21	-0.2%
46.9%	8,959	8,822	-137	-1.5%
48.1%	8,933	8,783	-150	-1.7%
49.4%	8,928	8,769	-159	-1.8%
50.6%	8,895	8,706	-190	-2.1%
51.9%	8,844	8,698	-146	-1.7%
53.1%	8,815	8,684	-131	-1.5%
54.3%	8,755	8,518	-237	-2.7%
55.6%	8,746	8,478	-268	-3.1%
56.8%	8,713	8,471	-242	-2.8%
58.0%	8,559	8,284	-275	-3.2%
59.3%	8,548	8,173	-375	-4.4%
60.5%	8,525	8,157	-367	-4.3%
61.7%	8,504	8,147	-357	-4.2%
63.0%	8,466	7,904	-562	-6.6%
64.2%	8,394	7,862	-532	-6.3%
65.4%	8,209	7,755	-454	-5.5%
66.7%	8,179	7,737	-442	-5.4%
67.9%	8,115	7,587	-527	-6.5%
69.1%	8,112	7,500	-613	-7.6%
70.4%	7,976	7,385	-590	-7.4%
71.6%	7,769	7,377	-392	-5.0%
72.8%	7,693	7,356	-337	-4.4%
74.1%	7,613	7,352	-261	-3.4%
75.3%	7,582	7,044	-538	-7.1%
76.5%	7,490	6,987	-503	-6.7%
77.8%	7,171	6,866	-305	-4.2%
79.0%	7,083	6,587	-496	-7.0%
80.2%	6,982	6,575	-407	-5.8%
81.5%	6,874	6,472	-402	-5.8%
82.7%	6,341	6,450	110	1.7%
84.0%	6,319	6,407	88	1.4%
85.2%	6,176	6,270	95	1.5%
86.4%	5,857	6,268	411	7.0%
87.7%	5,690	6,050	360	6.3%
88.9%	5,454	5,945	491	9.0%
90.1%	5,373	5,893	520	9.7%
91.4%	5,306	5,699	394	7.4%
92.6%	5,247	5,610	362	6.9%
93.8%	5,083	5,253	170	3.3%
95.1%	4,749	5,117	368	7.7%
96.3%	4,499	4,873	375	8.3%
97.5%	1,866	4,526	2,660	142.5%
98.8%	1,049	4,153	3,104	295.9%
100.0%	750	1,030	280	37.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,434	9,341	-93	-1.0%
1.2%	9,102	9,336	234	2.6%
2.5%	8,950	8,840	-110	-1.2%
3.7%	8,607	8,820	214	2.5%
4.9%	8,582	8,658	76	0.9%
6.2%	8,566	8,640	75	0.9%
7.4%	8,532	8,563	31	0.4%
8.6%	8,502	8,546	44	0.5%
9.9%	8,449	8,411	-38	-0.5%
11.1%	8,327	8,358	31	0.4%
12.3%	8,313	8,348	35	0.4%
13.6%	8,296	8,289	-7	-0.1%
14.8%	8,256	8,287	30	0.4%
16.0%	8,253	8,199	-54	-0.7%
17.3%	8,129	8,123	-6	-0.1%
18.5%	7,984	8,053	70	0.9%
19.8%	7,955	8,012	57	0.7%
21.0%	7,940	8,006	65	0.8%
22.2%	7,918	7,935	17	0.2%
23.5%	7,909	7,878	-31	-0.4%
24.7%	7,886	7,853	-33	-0.4%
25.9%	7,865	7,824	-41	-0.5%
27.2%	7,859	7,658	-201	-2.6%
28.4%	7,771	7,491	-280	-3.6%
29.6%	7,760	7,488	-272	-3.5%
30.9%	7,744	7,477	-267	-3.4%
32.1%	7,577	7,418	-159	-2.1%
33.3%	7,528	7,343	-185	-2.5%
34.6%	7,395	7,301	-93	-1.3%
35.8%	7,358	7,236	-122	-1.7%
37.0%	7,337	7,222	-115	-1.6%
38.3%	7,308	7,219	-89	-1.2%
39.5%	7,231	7,172	-59	-0.8%
40.7%	7,150	7,081	-69	-1.0%
42.0%	7,104	7,075	-28	-0.4%
43.2%	7,090	7,059	-22	-0.3%
44.4%	6,989	7,057	69	1.0%
45.7%	6,897	7,032	135	2.0%
46.9%	6,890	6,965	75	1.1%
48.1%	6,804	6,900	96	1.4%
49.4%	6,798	6,867	68	1.0%
50.6%	6,796	6,681	-115	-1.7%
51.9%	6,795	6,431	-365	-5.4%
53.1%	6,735	6,378	-357	-5.3%
54.3%	6,663	6,282	-381	-5.7%
55.6%	6,661	6,195	-467	-7.0%
56.8%	6,541	6,049	-491	-7.5%
58.0%	6,468	5,982	-486	-7.5%
59.3%	6,400	5,965	-435	-6.8%
60.5%	6,197	5,913	-284	-4.6%
61.7%	6,172	5,770	-402	-6.5%
63.0%	6,000	5,544	-456	-7.6%
64.2%	5,783	5,374	-408	-7.1%
65.4%	5,404	5,195	-209	-3.9%
66.7%	4,998	5,069	71	1.4%
67.9%	4,794	5,018	224	4.7%
69.1%	4,773	4,943	170	3.6%
70.4%	4,759	4,925	166	3.5%
71.6%	4,729	4,888	159	3.4%
72.8%	4,446	4,865	419	9.4%
74.1%	4,257	4,832	576	13.5%
75.3%	4,064	4,793	729	17.9%
76.5%	3,810	4,694	884	23.2%
77.8%	3,739	4,647	907	24.3%
79.0%	3,632	4,496	864	23.8%
80.2%	3,300	4,418	1,118	33.9%
81.5%	3,300	4,381	1,081	32.8%
82.7%	3,300	4,347	1,047	31.7%
84.0%	3,269	4,213	943	28.9%
85.2%	2,959	3,774	815	27.5%
86.4%	2,553	3,646	1,093	42.8%
87.7%	2,536	3,624	1,088	42.9%
88.9%	2,459	3,541	1,082	44.0%
90.1%	1,943	3,497	1,554	80.0%
91.4%	1,885	3,427	1,543	81.9%
92.6%	1,842	3,028	1,187	64.4%
93.8%	1,711	1,753	42	2.4%
95.1%	1,317	1,413	95	7.2%
96.3%	1,241	1,210	-32	-2.5%
97.5%	1,228	1,202	-27	-2.2%
98.8%	1,190	970	-220	-18.5%
100.0%	750	860	110	14.7%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,642	12,770	128	1.0%
1.2%	12,413	12,644	230	1.9%
2.5%	12,149	12,424	275	2.3%
3.7%	12,020	12,388	368	3.1%
4.9%	11,877	12,074	197	1.7%
6.2%	11,870	11,863	-7	-0.1%
7.4%	11,813	11,856	42	0.4%
8.6%	11,685	11,748	63	0.5%
9.9%	11,526	11,695	169	1.5%
11.1%	11,507	11,666	159	1.4%
12.3%	11,501	11,565	64	0.6%
13.6%	11,405	11,560	155	1.4%
14.8%	11,390	11,423	33	0.3%
16.0%	11,337	11,363	26	0.2%
17.3%	11,110	11,357	246	2.2%
18.5%	11,048	11,326	278	2.5%
19.8%	10,904	11,297	393	3.6%
21.0%	10,673	11,252	579	5.4%
22.2%	10,038	11,001	963	9.6%
23.5%	9,886	10,972	1,086	11.0%
24.7%	9,864	10,651	787	8.0%
25.9%	9,611	10,594	983	10.2%
27.2%	9,321	10,436	1,115	12.0%
28.4%	9,283	9,996	713	7.7%
29.6%	9,283	9,865	582	6.3%
30.9%	9,090	9,643	552	6.1%
32.1%	9,090	9,547	457	5.0%
33.3%	8,888	9,322	434	4.9%
34.6%	8,765	9,295	531	6.1%
35.8%	8,666	9,098	432	5.0%
37.0%	8,460	8,795	335	4.0%
38.3%	8,322	8,750	427	5.1%
39.5%	7,992	8,591	598	7.5%
40.7%	7,605	8,481	876	11.5%
42.0%	7,367	8,382	1,015	13.8%
43.2%	7,298	8,124	826	11.3%
44.4%	7,122	5,859	-1,264	-17.7%
45.7%	6,626	5,790	-836	-12.6%
46.9%	5,496	5,419	-77	-1.4%
48.1%	5,244	5,346	101	1.9%
49.4%	5,135	5,245	110	2.1%
50.6%	5,093	5,116	22	0.4%
51.9%	4,966	5,027	61	1.2%
53.1%	4,942	4,976	34	0.7%
54.3%	4,928	4,854	-74	-1.5%
55.6%	4,903	4,829	-74	-1.5%
56.8%	4,885	4,766	-119	-2.4%
58.0%	4,779	4,749	-30	-0.6%
59.3%	4,777	4,639	-138	-2.9%
60.5%	4,757	4,639	-119	-2.5%
61.7%	4,681	4,483	-198	-4.2%
63.0%	4,623	4,366	-258	-5.6%
64.2%	4,537	4,350	-186	-4.1%
65.4%	4,407	4,340	-67	-1.5%
66.7%	4,290	4,315	26	0.6%
67.9%	4,289	4,274	-14	-0.3%
69.1%	4,270	4,187	-82	-1.9%
70.4%	4,223	4,170	-54	-1.3%
71.6%	4,013	3,963	-50	-1.3%
72.8%	3,962	3,959	-3	-0.1%
74.1%	3,922	3,956	34	0.9%
75.3%	3,569	3,926	357	10.0%
76.5%	3,329	3,925	596	17.9%
77.8%	3,169	3,908	738	23.3%
79.0%	3,036	3,907	870	28.7%
80.2%	2,960	3,703	743	25.1%
81.5%	2,940	3,665	725	24.6%
82.7%	2,657	3,657	999	37.6%
84.0%	2,627	3,380	753	28.6%
85.2%	2,569	3,339	770	30.0%
86.4%	2,566	3,198	632	24.6%
87.7%	2,565	2,626	61	2.4%
88.9%	2,564	2,568	4	0.2%
90.1%	2,562	2,568	6	0.2%
91.4%	2,557	2,563	6	0.2%
92.6%	2,525	2,558	33	1.3%
93.8%	2,473	1,493	-980	-39.6%
95.1%	1,493	1,225	-268	-17.9%
96.3%	1,199	1,183	-16	-1.3%
97.5%	1,183	1,117	-66	-5.6%
98.8%	1,060	1,060	0	0.0%
100.0%	992	1,060	68	6.9%

Table SW-24-9a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	477	435	448	466	487	594	719	840	810	666	582	496
Alternative D	501	454	460	475	495	600	722	839	814	689	603	524
Difference	24	20	12	9	8	6	3	0	5	22	21	28
Percent Difference[3]	5.1%	4.6%	2.8%	1.9%	1.6%	0.9%	0.4%	-0.1%	0.6%	3.4%	3.6%	5.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	590	505	505	520	505	634	792	964	961	867	762	600
Alternative D	613	523	516	521	506	635	792	964	962	879	768	632
Difference	23	17	10	1	1	0	0	0	1	12	7	32
Percent Difference	3.9%	3.4%	2.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.1%	1.3%	0.9%	5.3%
Above Normal (15%)												
No Action Alternative	528	474	492	516	533	649	796	966	939	744	662	559
Alternative D	555	498	506	524	536	649	796	966	938	761	680	586
Difference	27	24	14	9	3	0	0	0	0	16	18	27
Percent Difference	5.1%	5.1%	2.9%	1.7%	0.6%	0.0%	0.0%	0.0%	0.0%	2.2%	2.7%	4.9%
Below Normal (17%)												
No Action Alternative	558	508	504	500	538	635	787	928	907	685	610	565
Alternative D	575	520	515	504	546	641	787	924	904	724	643	583
Difference	17	12	11	4	8	7	0	-4	-4	39	33	19
Percent Difference	3.0%	2.3%	2.2%	0.9%	1.6%	1.1%	-0.1%	-0.5%	-0.4%	5.8%	5.4%	3.3%
Dry (22%)												
No Action Alternative	390	396	410	430	495	601	704	777	708	541	451	420
Alternative D	429	426	424	451	513	614	716	786	726	572	488	459
Difference	38	31	14	21	18	13	12	9	18	31	37	38
Percent Difference	9.8%	7.8%	3.5%	4.9%	3.6%	2.2%	1.7%	1.2%	2.6%	5.8%	8.2%	9.1%
Critical (15%)												
No Action Alternative	215	215	269	316	334	396	425	437	391	321	274	239
Alternative D	228	229	283	328	346	406	427	425	399	340	291	257
Difference	13	14	13	12	12	10	2	-12	8	19	17	18
Percent Difference	6.2%	6.7%	5.0%	3.9%	3.6%	2.4%	0.5%	-2.8%	2.0%	6.0%	6.2%	7.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

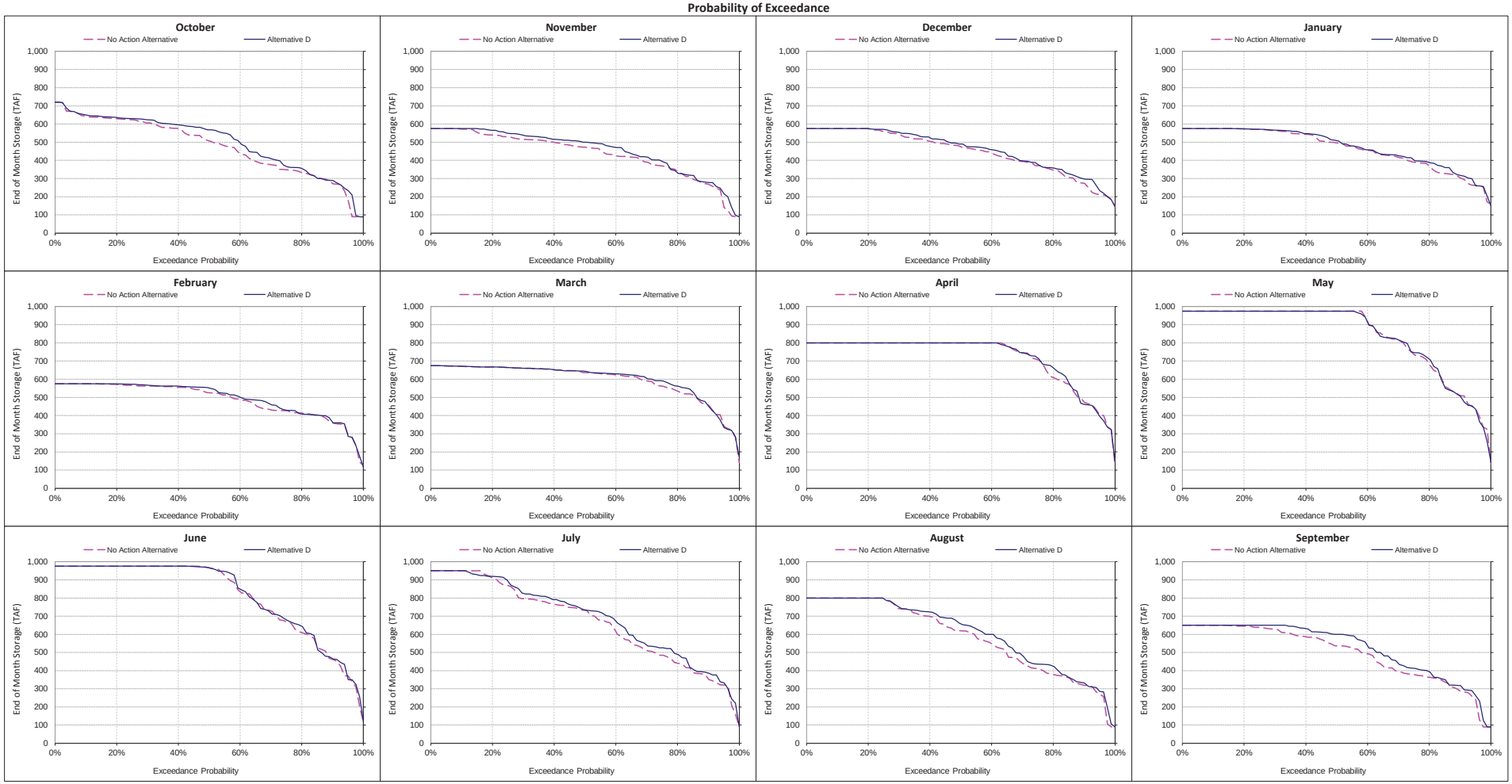

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	720	720	0	0.0%
1.2%	720	720	0	0.0%
2.5%	718	718	0	0.0%
3.7%	671	688	17	2.5%
4.9%	670	670	0	0.0%
6.2%	668	668	0	0.0%
7.4%	659	659	0	0.0%
8.6%	646	655	9	1.3%
9.9%	645	651	6	1.0%
11.1%	639	647	7	1.2%
12.3%	638	645	7	1.0%
13.6%	638	644	6	0.9%
14.8%	638	642	4	0.7%
16.0%	634	640	5	0.8%
17.3%	633	639	6	1.0%
18.5%	631	637	6	1.0%
19.8%	630	636	6	1.0%
21.0%	628	634	7	1.1%
22.2%	626	631	5	0.8%
23.5%	624	631	7	1.2%
24.7%	624	630	7	1.0%
25.9%	623	630	7	1.1%
27.2%	615	628	13	2.1%
28.4%	613	626	13	2.2%
29.6%	605	625	19	3.2%
30.9%	605	623	18	2.9%
32.1%	599	621	21	3.6%
33.3%	592	608	16	2.7%
34.6%	581	605	24	4.1%
35.8%	581	604	23	4.0%
37.0%	579	600	22	3.7%
38.3%	577	600	23	4.0%
39.5%	576	596	20	3.4%
40.7%	574	593	19	3.3%
42.0%	551	592	40	7.3%
43.2%	540	588	47	8.7%
44.4%	539	587	47	8.7%
45.7%	538	582	44	8.2%
46.9%	537	582	45	8.4%
48.1%	518	575	57	11.0%
49.4%	510	569	58	11.4%
50.6%	504	568	64	12.7%
51.9%	496	565	69	14.0%
53.1%	494	557	63	12.8%
54.3%	485	552	68	14.0%
55.6%	477	549	72	15.1%
56.8%	473	541	68	14.3%
58.0%	471	517	46	9.7%
59.3%	446	510	64	14.2%
60.5%	433	487	55	12.6%
61.7%	430	478	48	11.2%
63.0%	411	448	38	9.2%
64.2%	400	446	46	11.5%
65.4%	393	444	51	13.0%
66.7%	384	422	38	10.0%
67.9%	382	417	35	9.1%
69.1%	378	415	37	9.8%
70.4%	376	408	32	8.6%
71.6%	372	402	30	7.9%
72.8%	350	397	47	13.5%
74.1%	350	374	24	6.9%
75.3%	348	365	17	4.8%
76.5%	347	362	15	4.3%
77.8%	345	360	15	4.4%
79.0%	339	360	21	6.2%
80.2%	331	353	22	6.6%
81.5%	328	341	13	4.0%
82.7%	323	321	-2	-0.7%
84.0%	315	316	1	0.3%
85.2%	303	300	-3	-1.0%
86.4%	298	300	2	0.6%
87.7%	297	292	-5	-1.7%
88.9%	288	291	3	1.0%
90.1%	270	289	18	6.8%
91.4%	269	276	7	2.8%
92.6%	267	266	-1	-0.2%
93.8%	232	247	15	6.4%
95.1%	177	233	56	31.8%
96.3%	90	210	120	133.3%
97.5%	90	97	7	7.3%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	572	575	3	0.5%
11.1%	572	575	3	0.5%
12.3%	571	575	4	0.7%
13.6%	570	575	5	0.9%
14.8%	556	575	19	3.5%
16.0%	547	572	25	4.6%
17.3%	543	572	29	5.3%
18.5%	541	568	27	5.1%
19.8%	540	566	25	4.7%
21.0%	539	566	26	4.9%
22.2%	537	559	22	4.1%
23.5%	531	557	26	4.9%
24.7%	530	550	20	3.8%
25.9%	528	547	19	3.6%
27.2%	522	547	25	4.7%
28.4%	517	544	26	5.1%
29.6%	517	540	24	4.6%
30.9%	516	534	18	3.6%
32.1%	513	533	19	3.8%
33.3%	513	532	18	3.6%
34.6%	512	531	19	3.7%
35.8%	511	528	18	3.5%
37.0%	508	526	18	3.6%
38.3%	502	521	19	3.8%
39.5%	501	516	15	3.0%
40.7%	497	515	18	3.7%
42.0%	495	514	19	3.8%
43.2%	487	511	24	5.0%
44.4%	486	511	25	5.2%
45.7%	481	509	28	5.8%
46.9%	478	508	31	6.4%
48.1%	474	505	31	6.6%
49.4%	473	499	27	5.7%
50.6%	472	499	27	5.8%
51.9%	468	497	29	6.1%
53.1%	466	496	30	6.4%
54.3%	465	493	28	6.0%
55.6%	448	491	43	9.7%
56.8%	436	482	46	10.7%
58.0%	433	477	44	10.2%
59.3%	433	473	41	9.5%
60.5%	424	470	47	11.0%
61.7%	422	470	48	11.4%
63.0%	421	448	27	6.3%
64.2%	419	443	23	5.6%
65.4%	417	434	17	4.1%
66.7%	416	429	13	3.1%
67.9%	407	421	14	3.4%
69.1%	393	421	28	7.1%
70.4%	390	417	27	6.9%
71.6%	377	404	27	7.1%
72.8%	373	403	29	7.8%
74.1%	372	402	30	8.0%
75.3%	369	392	23	6.3%
76.5%	366	384	18	5.0%
77.8%	354	349	-5	-1.5%
79.0%	351	345	-6	-1.7%
80.2%	336	328	-8	-2.3%
81.5%	326	327	1	0.4%
82.7%	312	321	9	3.0%
84.0%	311	319	7	2.4%
85.2%	294	317	23	7.8%
86.4%	290	289	0	-0.1%
87.7%	278	283	5	2.0%
88.9%	272	280	8	3.1%
90.1%	268	278	10	3.8%
91.4%	256	278	21	8.3%
92.6%	247	256	9	3.5%
93.8%	237	247	10	4.2%
95.1%	141	216	75	53.4%
96.3%	124	199	75	61.0%
97.5%	94	141	47	50.5%
98.8%	90	98	8	8.4%
100.0%	90	90	0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	575	575	0	0.0%
19.8%	575	575	0	0.0%
21.0%	572	572	0	0.0%
22.2%	567	572	4	0.8%
23.5%	567	571	4	0.7%
24.7%	560	570	10	1.8%
25.9%	558	569	11	1.9%
27.2%	551	561	11	1.9%
28.4%	549	558	9	1.6%
29.6%	548	556	8	1.4%
30.9%	536	549	13	2.4%
32.1%	528	549	21	3.9%
33.3%	527	547	20	3.8%
34.6%	520	543	24	4.6%
35.8%	518	539	21	4.1%
37.0%	518	531	13	2.5%
38.3%	515	529	13	2.6%
39.5%	507	528	22	4.3%
40.7%	502	518	16	3.3%
42.0%	495	518	23	4.6%
43.2%	493	515	22	4.5%
44.4%	493	514	20	4.1%
45.7%	490	502	12	2.5%
46.9%	485	495	10	2.1%
48.1%	483	495	13	2.6%
49.4%	481	490	9	1.9%
50.6%	470	490	20	4.2%
51.9%	469	476	6	1.4%
53.1%	464	475	10	2.2%
54.3%	462	475	12	2.6%
55.6%	457	473	16	3.5%
56.8%	455	471	16	3.5%
58.0%	448	468	20	4.5%
59.3%	446	461	15	3.3%
60.5%	436	458	22	5.1%
61.7%	427	453	27	6.2%
63.0%	421	447	25	6.0%
64.2%	414	444	30	7.4%
65.4%	409	422	13	3.1%
66.7%	404	422	17	4.3%
67.9%	396	412	16	4.0%
69.1%	395	400	5	1.3%
70.4%	394	396	2	0.5%
71.6%	389	395	6	1.5%
72.8%	388	390	2	0.5%
74.1%	372	388	16	4.4%
75.3%	371	374	4	1.0%
76.5%	367	363	-4	-1.2%
77.8%	358	360	2	0.6%
79.0%	352	360	8	2.2%
80.2%	345	358	13	3.6%
81.5%	343	352	8	2.4%
82.7%	329	350	21	6.5%
84.0%	308	332	24	7.7%
85.2%	305	325	20	6.7%
86.4%	302	319	17	5.6%
87.7%	277	310	33	11.7%
88.9%	277	303	27	9.6%
90.1%	273	297	24	8.9%
91.4%	250	296	46	18.6%
92.6%	224	294	71	31.5%
93.8%	215	264	50	23.1%
95.1%	213	233	21	9.7%
96.3%	210	219	9	4.3%
97.5%	203	200	-3	-1.6%
98.8%	186	184	-2	-1.2%
100.0%	146	146	0	0.0%

January

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	575	575	0	0.0%
16.0%	575	575	0	0.0%
17.3%	575	575	0	0.0%
18.5%	574	575	1	0.2%
19.8%	574	574	0	0.0%
21.0%	572	572	0	0.0%
22.2%	571	571	0	0.1%
23.5%	571	571	0	0.0%
24.7%	571	571	0	0.0%
25.9%	570	571	1	0.2%
27.2%	568	570	2	0.4%
28.4%	566	568	2	0.4%
29.6%	564	567	3	0.6%
30.9%	562	566	4	0.7%
32.1%	560	566	6	1.1%
33.3%	560	564	4	0.7%
34.6%	554	562	8	1.4%
35.8%	547	560	13	2.3%
37.0%	547	560	13	2.4%
38.3%	545	554	9	1.6%
39.5%	544	547	3	0.6%
40.7%	543	547	4	0.7%
42.0%	540	544	4	0.8%
43.2%	527	543	16	3.1%
44.4%	507	538	32	6.3%
45.7%	505	534	29	5.8%
46.9%	502	527	25	5.1%
48.1%	500	513	13	2.6%
49.4%	498	512	13	2.7%
50.6%	494	507	13	2.6%
51.9%	492	492	0	0.0%
53.1%	479	490	11	2.3%
54.3%	479	480	1	0.2%
55.6%	478	479	1	0.2%
56.8%	465	475	11	2.3%
58.0%	460	468	8	1.8%
59.3%	456	460	4	0.9%
60.5%	454	458	3	0.7%
61.7%	452	457	5	1.0%
63.0%	437	444	7	1.6%
64.2%	431	436	5	1.1%
65.4%	430	433	3	0.8%
66.7%	428	432	4	1.0%
67.9%	426	431	5	1.1%
69.1%	422	430	8	1.9%
70.4%	415	424	9	2.1%
71.6%	412	422	10	2.5%
72.8%	400	415	15	3.8%
74.1%	394	414	20	5.2%
75.3%	390	399	9	2.2%
76.5%	387	397	10	2.5%
77.8%	385	395	10	2.7%
79.0%	384	394	10	2.5%
80.2%	366	387	21	5.8%
81.5%	345	384	39	11.4%
82.7%	333	373	39	11.8%
84.0%	330	368	38	11.5%
85.2%	328	360	32	9.8%
86.4%	325	360	35	10.8%
87.7%	323	334	11	3.3%
88.9%	317	322	5	1.6%
90.1%	303	317	15	4.9%
91.4%	294	313	19	6.3%
92.6%	272	303	31	11.3%
93.8%	263	299	36	13.5%
95.1%	263	260	-3	-1.0%
96.3%	261	259	-2	-0.8%
97.5%	254	255	2	0.7%
98.8%	172	203	30	17.5%
100.0%	159	149	-10	-6.6%

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	575	575	0	0.0%
1.2%	575	575	0	0.0%
2.5%	575	575	0	0.0%
3.7%	575	575	0	0.0%
4.9%	575	575	0	0.0%
6.2%	575	575	0	0.0%
7.4%	575	575	0	0.0%
8.6%	575	575	0	0.0%
9.9%	575	575	0	0.0%
11.1%	575	575	0	0.0%
12.3%	575	575	0	0.0%
13.6%	575	575	0	0.0%
14.8%	574	575	1	0.2%
16.0%	574	575	1	0.2%
17.3%	574	575	1	0.2%
18.5%	572	575	3	0.5%
19.8%	572	574	2	0.3%
21.0%	570	574	4	0.7%
22.2%	568	574	6	1.0%
23.5%	566	573	7	1.2%
24.7%	566	572	6	1.1%
25.9%	566	572	6	1.1%
27.2%	563	570	7	1.2%
28.4%	563	570	7	1.2%
29.6%	563	568	5	0.9%
30.9%	563	566	3	0.5%
32.1%	562	566	4	0.7%
33.3%	562	563	1	0.2%
34.6%	560	563	3	0.5%
35.8%	559	563	4	0.7%
37.0%	559	563	4	0.7%
38.3%	559	562	3	0.5%
39.5%	556	562	6	1.1%
40.7%	556	560	4	0.8%
42.0%	555	560	5	0.9%
43.2%	554	559	5	0.9%
44.4%	548	559	11	2.0%
45.7%	544	556	12	2.3%
46.9%	543	556	13	2.4%
48.1%	533	555	22	4.2%
49.4%	526	554	28	5.3%
50.6%	525	548	23	4.4%
51.9%	524	543	19	3.6%
53.1%	522	526	4	0.8%
54.3%	514	524	10	2.0%
55.6%	513	522	9	1.7%
56.8%	504	513	9	1.8%
58.0%	493	513	20	4.1%
59.3%	491	506	16	3.2%
60.5%	484	496	12	2.6%
61.7%	484	490	6	1.2%
63.0%	478	489	11	2.3%
64.2%	471	487	16	3.4%
65.4%	451	484	33	7.4%
66.7%	443	484	41	9.3%
67.9%	437	478	41	9.4%
69.1%	435	468	33	7.6%
70.4%	430	458	29	6.7%
71.6%	429	456	27	6.3%
72.8%	429	441	12	2.9%
74.1%	427	433	6	1.4%
75.3%	427	429	2	0.5%
76.5%	417	429	12	2.8%
77.8%	416	427	11	2.6%
79.0%	416	412	-4	-1.0%
80.2%	413	408	-4	-1.0%
81.5%	412	408	-4	-1.0%
82.7%	408	407	-1	-0.4%
84.0%	404	404	0	0.0%
85.2%	400	404	4	0.9%
86.4%	400	400	0	0.1%
87.7%	386	400	13	3.5%
88.9%	370	388	19	5.1%
90.1%	359	360	1	0.3%
91.4%	355	360	5	1.5%
92.6%	353	360	7	2.0%
93.8%	350	355	5	1.3%
95.1%	289	285	-4	-1.4%
96.3%	281	281	0	0.0%
97.5%	236	234	-2	-0.9%
98.8%	144	174	30	20.7%
100.0%	127	116	-11	-8.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	675	675	0	0.0%
1.2%	675	675	0	0.0%
2.5%	675	675	0	0.0%
3.7%	675	675	0	0.0%
4.9%	673	673	0	0.0%
6.2%	673	673	0	0.0%
7.4%	673	673	0	0.0%
8.6%	672	672	0	0.0%
9.9%	672	672	0	0.0%
11.1%	670	672	2	0.3%
12.3%	669	670	1	0.1%
13.6%	669	669	0	0.0%
14.8%	668	669	1	0.1%
16.0%	668	668	0	0.0%
17.3%	667	668	1	0.1%
18.5%	667	667	0	0.0%
19.8%	667	667	0	0.0%
21.0%	667	667	0	0.0%
22.2%	667	667	0	0.0%
23.5%	666	666	0	0.0%
24.7%	664	664	0	0.0%
25.9%	664	664	0	0.0%
27.2%	662	662	0	0.0%
28.4%	662	662	0	0.0%
29.6%	661	661	0	0.0%
30.9%	660	661	1	0.1%
32.1%	660	660	0	0.0%
33.3%	659	659	0	0.0%
34.6%	658	658	0	0.0%
35.8%	657	657	0	0.0%
37.0%	656	656	0	0.0%
38.3%	656	656	0	0.0%
39.5%	653	653	0	0.0%
40.7%	650	651	1	0.2%
42.0%	650	650	0	0.0%
43.2%	647	647	0	0.0%
44.4%	647	647	0	0.0%
45.7%	647	647	0	0.0%
46.9%	646	646	0	0.0%
48.1%	645	645	0	0.0%
49.4%	637	645	8	1.3%
50.6%	636	643	6	1.0%
51.9%	634	637	3	0.5%
53.1%	634	636	2	0.3%
54.3%	633	635	2	0.3%
55.6%	629	634	5	0.8%
56.8%	628	634	6	1.0%
58.0%	628	632	4	0.7%
59.3%	625	629	4	0.6%
60.5%	622	628	6	1.0%
61.7%	621	628	7	1.1%
63.0%	617	627	11	1.7%
64.2%	615	625	10	1.6%
65.4%	615	622	7	1.2%
66.7%	612	621	9	1.4%
67.9%	600	615	15	2.5%
69.1%	592	615	23	3.9%
70.4%	590	602	12	2.0%
71.6%	588	600	12	2.0%
72.8%	566	592	26	4.6%
74.1%	564	592	28	5.0%
75.3%	561	590	29	5.2%
76.5%	554	582	28	5.0%
77.8%	551	573	22	4.0%
79.0%	542	564	22	4.1%
80.2%	533	561	28	5.3%
81.5%	520	554	34	6.5%
82.7%	520	551	32	6.1%
84.0%	519	546	26	5.1%
85.2%	512	526	14	2.7%
86.4%	492	496	4	0.8%
87.7%	470	484	14	2.9%
88.9%	464	477	13	2.8%
90.1%	456	449	-6	-1.4%
91.4%	428	426	-2	-0.5%
92.6%	406	405	-1	-0.2%
93.8%	405	376	-29	-7.1%
95.1%	341	333	-8	-2.3%
96.3%	328	324	-4	-1.2%
97.5%	322	319	-3	-0.9%
98.8%	282	280	-2	-0.7%
100.0%	141	171	30	20.9%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	792	-8	-1.0%
64.2%	792	785	-6	-0.8%
65.4%	785	779	-6	-0.8%
66.7%	766	770	5	0.6%
67.9%	757	765	8	1.1%
69.1%	747	746	0	0.0%
70.4%	745	744	-1	-0.1%
71.6%	744	739	-6	-0.8%
72.8%	718	728	10	1.4%
74.1%	712	727	15	2.2%
75.3%	705	712	7	1.0%
76.5%	684	683	-1	-0.1%
77.8%	645	679	34	5.2%
79.0%	615	676	61	9.9%
80.2%	607	659	52	8.6%
81.5%	597	640	43	7.2%
82.7%	596	631	35	5.9%
84.0%	578	615	38	6.6%
85.2%	572	575	3	0.6%
86.4%	536	544	8	1.6%
87.7%	506	534	28	5.6%
88.9%	497	467	-29	-5.9%
90.1%	472	460	-12	-2.4%
91.4%	464	459	-5	-1.1%
92.6%	460	455	-5	-1.1%
93.8%	434	427	-6	-1.4%
95.1%	403	395	-8	-1.9%
96.3%	400	371	-28	-7.1%
97.5%	339	337	-2	-0.6%
98.8%	322	322	0	0.0%
100.0%	128	148	20	15.5%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	975	0	0.0%
46.9%	975	975	0	0.0%
48.1%	975	975	0	0.0%
49.4%	975	975	0	0.0%
50.6%	975	975	0	0.0%
51.9%	975	975	0	0.0%
53.1%	975	975	0	0.0%
54.3%	975	975	0	0.0%
55.6%	975	975	0	0.0%
56.8%	975	966	-9	-0.9%
58.0%	975	960	-15	-1.6%
59.3%	943	942	-1	-0.1%
60.5%	898	898	0	0.0%
61.7%	893	893	0	-0.1%
63.0%	857	865	9	1.0%
64.2%	854	837	-17	-2.0%
65.4%	837	831	-6	-0.7%
66.7%	830	828	-2	-0.2%
67.9%	821	826	5	0.6%
69.1%	820	823	3	0.4%
70.4%	813	814	1	0.2%
71.6%	800	805	6	0.7%
72.8%	770	797	27	3.5%
74.1%	752	752	0	0.0%
75.3%	733	746	13	1.8%
76.5%	730	745	15	2.0%
77.8%	723	737	14	2.0%
79.0%	708	724	15	2.2%
80.2%	678	708	31	4.6%
81.5%	649	670	21	3.3%
82.7%	638	657	20	3.1%
84.0%	608	596	-12	-2.0%
85.2%	560	551	-10	-1.7%
86.4%	547	540	-8	-1.4%
87.7%	534	533	-1	-0.2%
88.9%	522	520	-2	-0.4%
90.1%	509	505	-4	-0.8%
91.4%	508	473	-35	-6.9%
92.6%	464	457	-7	-1.4%
93.8%	451	453	2	0.5%
95.1%	437	435	-2	-0.5%
96.3%	393	365	-28	-7.1%
97.5%	337	335	-2	-0.5%
98.8%	325	256	-69	-21.3%
100.0%	135	142	7	5.0%

Table SW-24-9b
Folsom Lake, End of Month Storage
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	975	975	0	0.0%
1.2%	975	975	0	0.0%
2.5%	975	975	0	0.0%
3.7%	975	975	0	0.0%
4.9%	975	975	0	0.0%
6.2%	975	975	0	0.0%
7.4%	975	975	0	0.0%
8.6%	975	975	0	0.0%
9.9%	975	975	0	0.0%
11.1%	975	975	0	0.0%
12.3%	975	975	0	0.0%
13.6%	975	975	0	0.0%
14.8%	975	975	0	0.0%
16.0%	975	975	0	0.0%
17.3%	975	975	0	0.0%
18.5%	975	975	0	0.0%
19.8%	975	975	0	0.0%
21.0%	975	975	0	0.0%
22.2%	975	975	0	0.0%
23.5%	975	975	0	0.0%
24.7%	975	975	0	0.0%
25.9%	975	975	0	0.0%
27.2%	975	975	0	0.0%
28.4%	975	975	0	0.0%
29.6%	975	975	0	0.0%
30.9%	975	975	0	0.0%
32.1%	975	975	0	0.0%
33.3%	975	975	0	0.0%
34.6%	975	975	0	0.0%
35.8%	975	975	0	0.0%
37.0%	975	975	0	0.0%
38.3%	975	975	0	0.0%
39.5%	975	975	0	0.0%
40.7%	975	975	0	0.0%
42.0%	975	975	0	0.0%
43.2%	975	975	0	0.0%
44.4%	975	975	0	0.0%
45.7%	975	973	-1	-0.1%
46.9%	974	971	-4	-0.4%
48.1%	973	970	-4	-0.4%
49.4%	969	969	0	0.0%
50.6%	964	963	-1	-0.1%
51.9%	960	957	-2	-0.2%
53.1%	957	948	-10	-1.0%
54.3%	937	947	10	1.1%
55.6%	914	944	31	3.3%
56.8%	895	937	42	4.7%
58.0%	885	926	41	4.6%
59.3%	845	856	11	1.3%
60.5%	828	845	17	2.0%
61.7%	827	835	8	1.0%
63.0%	823	807	-16	-2.0%
64.2%	798	793	-5	-0.6%
65.4%	771	776	4	0.6%
66.7%	766	742	-24	-3.1%
67.9%	735	738	3	0.4%
69.1%	733	729	-4	-0.5%
70.4%	726	712	-14	-2.0%
71.6%	703	710	7	1.0%
72.8%	679	703	24	3.5%
74.1%	676	689	13	1.9%
75.3%	667	676	9	1.3%
76.5%	661	666	5	0.8%
77.8%	628	658	29	4.7%
79.0%	614	653	39	6.3%
80.2%	608	642	34	5.6%
81.5%	600	608	7	1.2%
82.7%	595	605	10	1.7%
84.0%	576	594	17	3.0%
85.2%	524	514	-11	-2.0%
86.4%	517	499	-18	-3.5%
87.7%	507	479	-28	-5.5%
88.9%	468	476	9	1.9%
90.1%	461	464	3	0.6%
91.4%	451	461	10	2.3%
92.6%	423	444	21	5.0%
93.8%	371	435	64	17.2%
95.1%	370	350	-20	-5.3%
96.3%	338	349	11	3.2%
97.5%	311	325	14	4.5%
98.8%	201	255	54	27.0%
100.0%	113	119	6	5.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	950	950	0	0.0%
1.2%	950	950	0	0.0%
2.5%	950	950	0	0.0%
3.7%	950	950	0	0.0%
4.9%	950	950	0	0.0%
6.2%	950	950	0	0.0%
7.4%	950	950	0	0.0%
8.6%	950	950	0	0.0%
9.9%	950	950	0	0.0%
11.1%	950	950	0	0.0%
12.3%	950	942	-8	-0.8%
13.6%	950	932	-18	-1.9%
14.8%	950	929	-21	-2.2%
16.0%	950	924	-26	-2.7%
17.3%	933	924	-9	-0.9%
18.5%	924	919	-5	-0.5%
19.8%	913	919	7	0.7%
21.0%	908	918	10	1.2%
22.2%	886	917	31	3.5%
23.5%	874	914	41	4.6%
24.7%	871	900	29	3.4%
25.9%	864	872	8	0.9%
27.2%	845	861	16	1.9%
28.4%	802	852	50	6.2%
29.6%	797	828	31	3.8%
30.9%	795	822	27	3.5%
32.1%	794	822	28	3.5%
33.3%	792	816	24	3.0%
34.6%	788	814	26	3.4%
35.8%	782	810	28	3.5%
37.0%	780	809	29	3.7%
38.3%	771	802	31	4.0%
39.5%	769	792	22	2.9%
40.7%	763	791	28	3.7%
42.0%	760	783	23	3.0%
43.2%	759	780	21	2.7%
44.4%	748	767	19	2.5%
45.7%	747	760	13	1.8%
46.9%	746	756	10	1.3%
48.1%	737	746	9	1.3%
49.4%	733	737	4	0.5%
50.6%	731	733	2	0.2%
51.9%	703	730	27	3.9%
53.1%	700	728	28	4.1%
54.3%	679	726	47	7.0%
55.6%	679	717	39	5.7%
56.8%	669	703	35	5.2%
58.0%	663	700	37	5.5%
59.3%	636	687	51	8.1%
60.5%	600	663	63	10.5%
61.7%	588	648	60	10.2%
63.0%	571	634	63	11.0%
64.2%	568	597	30	5.3%
65.4%	542	596	54	9.9%
66.7%	539	567	28	5.3%
67.9%	532	559	27	5.2%
69.1%	519	552	33	6.3%
70.4%	509	535	26	5.1%
71.6%	505	535	29	5.8%
72.8%	497	531	34	6.8%
74.1%	485	525	40	8.3%
75.3%	484	525	41	8.4%
76.5%	476	522	45	9.5%
77.8%	466	521	55	11.8%
79.0%	444	496	52	11.7%
80.2%	440	488	48	11.0%
81.5%	438	471	33	7.6%
82.7%	417	469	52	12.5%
84.0%	415	420	5	1.3%
85.2%	389	406	17	4.3%
86.4%	384	395	11	2.9%
87.7%	383	394	11	3.0%
88.9%	379	392	13	3.4%
90.1%	351	386	35	10.0%
91.4%	344	376	33	9.5%
92.6%	332	376	43	13.0%
93.8%	321	339	18	5.5%
95.1%	321	333	12	3.8%
96.3%	318	303	-15	-4.8%
97.5%	209	245	37	17.5%
98.8%	159	221	63	39.5%
100.0%	90	90	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	791	786	-5	-0.6%
27.2%	781	783	2	0.3%
28.4%	765	768	2	0.3%
29.6%	742	753	12	1.6%
30.9%	741	740	-1	-0.1%
32.1%	739	739	0	0.0%
33.3%	738	736	-2	-0.2%
34.6%	719	734	15	2.1%
35.8%	714	732	18	2.5%
37.0%	706	727	21	3.0%
38.3%	701	726	25	3.5%
39.5%	700	725	25	3.6%
40.7%	696	721	24	3.5%
42.0%	688	712	24	3.5%
43.2%	660	694	34	5.2%
44.4%	657	692	35	5.3%
45.7%	640	690	50	7.8%
46.9%	634	689	55	8.7%
48.1%	620	680	60	9.6%
49.4%	620	663	43	7.0%
50.6%	618	653	34	5.6%
51.9%	618	650	32	5.3%
53.1%	608	646	38	6.3%
54.3%	603	636	33	5.6%
55.6%	574	625	51	8.8%
56.8%	573	615	42	7.3%
58.0%	562	600	38	6.8%
59.3%	556	600	44	7.9%
60.5%	543	600	57	10.6%
61.7%	528	579	52	9.8%
63.0%	523	574	51	9.8%
64.2%	517	563	45	8.7%
65.4%	474	534	60	12.7%
66.7%	472	525	53	11.2%
67.9%	472	498	27	5.7%
69.1%	452	496	44	9.7%
70.4%	436	477	41	9.4%
71.6%	426	450	24	5.6%
72.8%	415	442	26	6.4%
74.1%	412	436	24	5.9%
75.3%	409	436	27	6.5%
76.5%	401	435	34	8.5%
77.8%	387	434	47	12.1%
79.0%	381	430	49	13.0%
80.2%	378	422	45	11.8%
81.5%	374	401	28	7.4%
82.7%	371	380	9	2.3%
84.0%	365	375	10	2.8%
85.2%	361	361	0	0.0%
86.4%	336	350	15	4.4%
87.7%	330	338	8	2.4%
88.9%	324	336	12	3.8%
90.1%	319	331	12	3.8%
91.4%	318	313	-5	-1.6%
92.6%	312	310	-2	-0.8%
93.8%	283	308	25	8.9%
95.1%	269	285	17	6.2%
96.3%	257	282	25	9.8%
97.5%	106	197	91	86.5%
98.8%	90	106	16	17.7%
100.0%	90	90	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	650	650	0	0.0%
1.2%	650	650	0	0.0%
2.5%	650	650	0	0.0%
3.7%	650	650	0	0.0%
4.9%	650	650	0	0.0%
6.2%	650	650	0	0.0%
7.4%	650	650	0	0.0%
8.6%	650	650	0	0.0%
9.9%	650	650	0	0.0%
11.1%	650	650	0	0.0%
12.3%	650	650	0	0.0%
13.6%	650	650	0	0.0%
14.8%	650	650	0	0.1%
16.0%	648	650	2	0.3%
17.3%	646	650	4	0.6%
18.5%	645	650	5	0.8%
19.8%	645	650	5	0.8%
21.0%	644	650	6	0.9%
22.2%	644	650	6	0.9%
23.5%	638	650	12	1.8%
24.7%	638	650	12	1.9%
25.9%	637	650	13	2.0%
27.2%	633	650	17	2.6%
28.4%	630	650	20	3.2%
29.6%	629	650	21	3.3%
30.9%	625	650	25	3.9%
32.1%	610	650	40	6.5%
33.3%	609	650	41	6.7%
34.6%	608	645	37	6.1%
35.8%	600	644	44	7.4%
37.0%	593	640	47	8.0%
38.3%	591	635	43	7.3%
39.5%	589	633	45	7.6%
40.7%	585	630	45	7.7%
42.0%	584	614	30	5.2%
43.2%	584	614	31	5.2%
44.4%	575	613	38	6.7%
45.7%	567	611	44	7.9%
46.9%	555	609	54	9.7%
48.1%	547	603	55	10.1%
49.4%	537	600	63	11.8%
50.6%	537	600	63	11.8%
51.9%	536	600	64	11.9%
53.1%	534	597	63	11.7%
54.3%	528	593	66	12.4%
55.6%	520	591	71	13.6%
56.8%	518	572	53	10.3%
58.0%	498	566	68	13.6%
59.3%	494	557	63	12.8%
60.5%	492	524	33	6.7%
61.7%	482	523	40	8.3%
63.0%	448	501	53	11.7%
64.2%	437	500	63	14.4%
65.4%	420	481	61	14.6%
66.7%	416	481	65	15.7%
67.9%	415	460	45	10.7%
69.1%	399	455	56	14.1%
70.4%	395	433	38	9.5%
71.6%	387	427	40	10.3%
72.8%	383	417	34	8.8%
74.1%	379	413	34	9.0%
75.3%	377	413	36	9.5%
76.5%	373	407	34	9.1%
77.8%	371	403	32	8.6%
79.0%	365	401	36	10.0%
80.2%	364	391	28	7.6%
81.5%	360	364	4	1.2%
82.7%	357	362	4	1.2%
84.0%	348	355	8	2.2%
85.2%	336	349	13	3.8%
86.4%	325	320	-5	-1.5%
87.7%	309	320	11	3.5%
88.9%	300	319	19	6.3%
90.1%	287	317	30	10.5%
91.4%	283	293	11	3.7%
92.6%	280	292	12	4.3%
93.8%	260	289	29	11.3%
95.1%	243	262	19	7.7%
96.3%	129	232	102	79.2%
97.5%	90	125	35	39.2%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

Table SW-25-9a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	410	404	407	410	413	426	439	451	448	432	422	412
Alternative D	413	408	409	411	414	427	440	451	449	435	425	416
Difference	4	3	2	1	1	1	0	0	1	3	3	4
Percent Difference[3]	0.9%	0.7%	0.4%	0.3%	0.2%	0.2%	0.1%	0.0%	0.1%	0.6%	0.7%	1.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	426	416	416	417	416	432	448	465	464	455	445	427
Alternative D	429	418	417	418	416	432	448	465	465	456	446	431
Difference	3	2	1	0	0	0	0	0	0	1	1	4
Percent Difference	0.7%	0.5%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.2%	0.9%
Above Normal (15%)												
No Action Alternative	418	412	414	417	419	433	448	465	462	443	434	422
Alternative D	422	415	416	418	419	433	448	465	462	445	436	426
Difference	3	3	2	1	0	0	0	0	0	2	2	3
Percent Difference	0.8%	0.7%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.5%	0.8%
Below Normal (17%)												
No Action Alternative	422	416	415	415	420	432	448	461	459	436	428	423
Alternative D	424	417	416	415	421	432	448	461	459	441	432	425
Difference	2	2	2	1	1	1	0	0	0	4	4	2
Percent Difference	0.5%	0.4%	0.4%	0.2%	0.2%	0.2%	0.0%	-0.1%	-0.1%	1.0%	0.9%	0.6%
Dry (22%)												
No Action Alternative	400	401	403	406	414	428	439	446	439	419	408	404
Alternative D	405	405	405	408	417	429	440	447	441	423	413	409
Difference	5	4	2	3	2	2	1	1	2	4	5	5
Percent Difference	1.3%	1.0%	0.5%	0.7%	0.5%	0.4%	0.3%	0.2%	0.5%	0.9%	1.2%	1.3%
Critical (15%)												
No Action Alternative	365	365	379	388	390	400	403	405	398	387	377	370
Alternative D	369	370	382	390	391	401	404	403	399	391	382	375
Difference	4	5	3	2	2	2	1	-2	2	4	4	5
Percent Difference	1.2%	1.4%	0.8%	0.6%	0.4%	0.4%	0.1%	-0.4%	0.4%	0.9%	1.1%	1.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

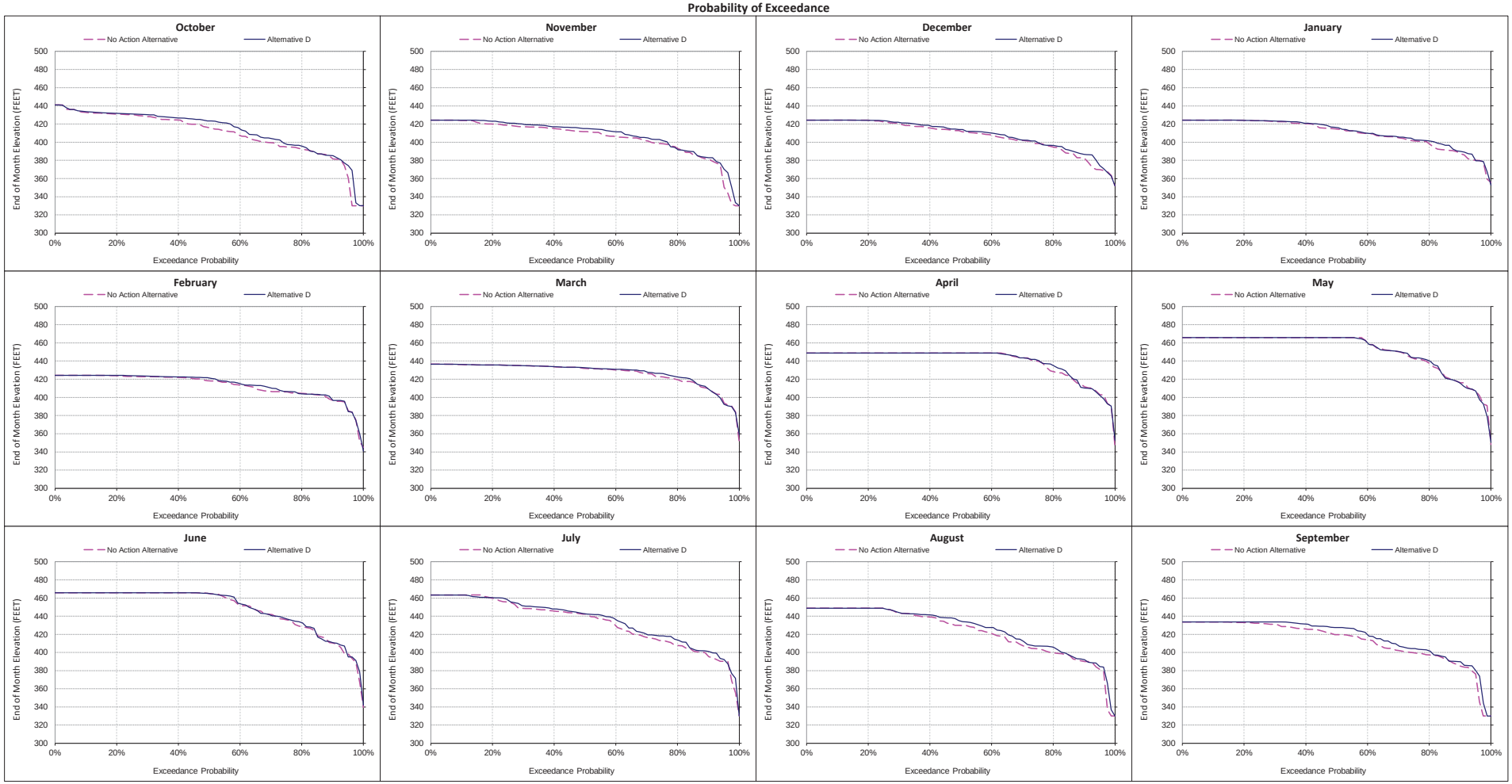

Table SW-25-9b

Folsom Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	441	441	0	0.0%
1.2%	441	441	0	0.0%
2.5%	441	441	0	0.0%
3.7%	436	438	2	0.4%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	435	435	0	0.0%
8.6%	433	434	1	0.2%
9.9%	433	434	1	0.2%
11.1%	432	433	1	0.2%
12.3%	432	433	1	0.2%
13.6%	432	433	1	0.2%
14.8%	432	433	1	0.1%
16.0%	432	432	1	0.2%
17.3%	431	432	1	0.2%
18.5%	431	432	1	0.2%
19.8%	431	432	1	0.2%
21.0%	431	432	1	0.2%
22.2%	431	431	1	0.1%
23.5%	430	431	1	0.2%
24.7%	430	431	1	0.2%
25.9%	430	431	1	0.2%
27.2%	429	431	2	0.4%
28.4%	429	431	2	0.4%
29.6%	428	430	2	0.5%
30.9%	428	430	2	0.5%
32.1%	427	430	3	0.6%
33.3%	426	428	2	0.5%
34.6%	425	428	3	0.7%
35.8%	425	428	3	0.7%
37.0%	425	427	3	0.6%
38.3%	425	427	3	0.7%
39.5%	424	427	2	0.6%
40.7%	424	427	2	0.6%
42.0%	421	426	5	1.2%
43.2%	420	426	6	1.4%
44.4%	420	426	6	1.4%
45.7%	420	425	5	1.3%
46.9%	420	425	6	1.3%
48.1%	417	424	7	1.7%
49.4%	416	424	7	1.7%
50.6%	416	423	8	1.9%
51.9%	415	423	9	2.1%
53.1%	414	422	8	1.9%
54.3%	413	421	8	2.0%
55.6%	412	421	9	2.2%
56.8%	412	420	8	2.0%
58.0%	411	417	6	1.4%
59.3%	408	416	8	1.9%
60.5%	407	413	7	1.7%
61.7%	406	412	6	1.5%
63.0%	404	409	5	1.1%
64.2%	403	408	6	1.4%
65.4%	402	408	6	1.6%
66.7%	401	405	5	1.2%
67.9%	400	405	4	1.1%
69.1%	400	405	5	1.2%
70.4%	399	404	4	1.1%
71.6%	399	403	4	1.1%
72.8%	395	402	7	1.8%
74.1%	395	399	4	1.0%
75.3%	395	398	3	0.7%
76.5%	395	397	2	0.6%
77.8%	394	397	2	0.6%
79.0%	393	397	3	0.9%
80.2%	392	396	4	0.9%
81.5%	392	394	2	0.5%
82.7%	391	390	0	-0.1%
84.0%	389	390	0	0.0%
85.2%	388	387	0	-0.1%
86.4%	387	387	0	0.1%
87.7%	387	386	-1	-0.2%
88.9%	385	385	0	0.1%
90.1%	382	385	4	0.9%
91.4%	381	383	1	0.4%
92.6%	381	381	0	0.0%
93.8%	374	377	3	0.8%
95.1%	361	374	14	3.7%
96.3%	330	369	39	11.8%
97.5%	330	333	3	1.0%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.1%
11.1%	424	424	0	0.1%
12.3%	424	424	0	0.1%
13.6%	424	424	1	0.2%
14.8%	422	424	2	0.6%
16.0%	421	424	3	0.7%
17.3%	420	424	4	0.8%
18.5%	420	423	3	0.8%
19.8%	420	423	3	0.7%
21.0%	420	423	3	0.8%
22.2%	420	422	3	0.6%
23.5%	419	422	3	0.8%
24.7%	419	421	3	0.6%
25.9%	419	421	2	0.6%
27.2%	418	421	3	0.7%
28.4%	417	420	3	0.8%
29.6%	417	420	3	0.7%
30.9%	417	419	2	0.5%
32.1%	417	419	2	0.6%
33.3%	417	419	2	0.5%
34.6%	416	419	2	0.6%
35.8%	416	419	2	0.5%
37.0%	416	418	2	0.5%
38.3%	415	418	2	0.6%
39.5%	415	417	2	0.4%
40.7%	415	417	2	0.5%
42.0%	414	417	2	0.6%
43.2%	413	416	3	0.7%
44.4%	413	416	3	0.8%
45.7%	413	416	3	0.8%
46.9%	412	416	4	0.9%
48.1%	412	416	4	0.9%
49.4%	412	415	3	0.8%
50.6%	412	415	3	0.8%
51.9%	411	415	4	0.9%
53.1%	411	415	4	0.9%
54.3%	411	414	3	0.8%
55.6%	409	414	5	1.3%
56.8%	407	413	6	1.4%
58.0%	407	412	5	1.3%
59.3%	407	412	5	1.2%
60.5%	406	411	6	1.4%
61.7%	405	411	6	1.5%
63.0%	405	409	3	0.8%
64.2%	405	408	3	0.7%
65.4%	405	407	2	0.5%
66.7%	405	406	2	0.4%
67.9%	404	405	2	0.4%
69.1%	402	405	3	0.9%
70.4%	401	405	3	0.8%
71.6%	400	403	4	0.9%
72.8%	399	403	4	1.0%
74.1%	399	403	4	1.1%
75.3%	398	402	4	0.9%
76.5%	398	401	3	0.8%
77.8%	396	395	-1	-0.2%
79.0%	395	394	-1	-0.2%
80.2%	393	392	-1	-0.3%
81.5%	391	391	0	0.1%
82.7%	389	390	2	0.4%
84.0%	389	390	1	0.3%
85.2%	386	390	4	1.0%
86.4%	385	385	0	0.0%
87.7%	383	384	1	0.3%
88.9%	382	384	2	0.4%
90.1%	381	383	2	0.5%
91.4%	379	383	4	1.1%
92.6%	377	379	2	0.4%
93.8%	375	377	2	0.5%
95.1%	350	370	20	5.7%
96.3%	344	367	23	6.7%
97.5%	332	350	18	5.5%
98.8%	330	334	4	1.1%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	423	424	1	0.1%
23.5%	423	424	1	0.1%
24.7%	423	424	1	0.3%
25.9%	422	424	1	0.3%
27.2%	421	423	1	0.3%
28.4%	421	422	1	0.3%
29.6%	421	422	1	0.2%
30.9%	419	421	2	0.4%
32.1%	418	421	3	0.6%
33.3%	418	421	2	0.6%
34.6%	417	420	3	0.7%
35.8%	417	420	3	0.6%
37.0%	417	419	2	0.4%
38.3%	417	419	2	0.4%
39.5%	416	419	3	0.7%
40.7%	415	417	2	0.5%
42.0%	414	417	3	0.7%
43.2%	414	417	3	0.7%
44.4%	414	417	3	0.6%
45.7%	414	415	1	0.4%
46.9%	413	414	1	0.3%
48.1%	413	414	2	0.4%
49.4%	413	414	1	0.3%
50.6%	411	414	2	0.6%
51.9%	411	412	1	0.2%
53.1%	411	412	1	0.3%
54.3%	410	412	2	0.4%
55.6%	410	412	2	0.5%
56.8%	410	411	2	0.5%
58.0%	409	411	2	0.6%
59.3%	408	410	2	0.4%
60.5%	407	410	3	0.7%
61.7%	406	409	3	0.8%
63.0%	405	408	3	0.8%
64.2%	404	408	4	0.9%
65.4%	404	405	2	0.4%
66.7%	403	405	2	0.5%
67.9%	402	404	2	0.5%
69.1%	402	403	1	0.2%
70.4%	402	402	0	0.1%
71.6%	401	402	1	0.2%
72.8%	401	401	0	0.1%
74.1%	399	401	3	0.6%
75.3%	399	399	1	0.2%
76.5%	398	397	-1	-0.2%
77.8%	396	397	0	0.1%
79.0%	395	397	1	0.3%
80.2%	394	396	2	0.5%
81.5%	394	395	1	0.3%
82.7%	392	395	3	0.9%
84.0%	388	392	4	1.0%
85.2%	388	391	3	0.9%
86.4%	387	390	3	0.7%
87.7%	383	389	6	1.5%
88.9%	383	387	5	1.2%
90.1%	382	386	4	1.1%
91.4%	378	386	9	2.3%
92.6%	372	386	14	3.7%
93.8%	370	380	10	2.8%
95.1%	370	374	5	1.3%
96.3%	369	371	2	0.5%
97.5%	367	367	-1	-0.2%
98.8%	363	363	-1	-0.2%
100.0%	352	352	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.0%
19.8%	424	424	0	0.0%
21.0%	424	424	0	0.0%
22.2%	424	424	0	0.0%
23.5%	424	424	0	0.0%
24.7%	424	424	0	0.0%
25.9%	424	424	0	0.0%
27.2%	423	424	0	0.1%
28.4%	423	423	0	0.1%
29.6%	423	423	0	0.1%
30.9%	423	423	0	0.1%
32.1%	422	423	1	0.2%
33.3%	422	423	0	0.1%
34.6%	422	423	1	0.2%
35.8%	421	422	2	0.4%
37.0%	421	422	2	0.4%
38.3%	421	422	1	0.3%
39.5%	420	421	0	0.1%
40.7%	420	421	0	0.1%
42.0%	420	420	1	0.1%
43.2%	418	420	2	0.5%
44.4%	416	420	4	0.9%
45.7%	416	419	4	0.9%
46.9%	415	418	3	0.8%
48.1%	415	417	2	0.4%
49.4%	415	416	2	0.4%
50.6%	414	416	2	0.4%
51.9%	414	414	0	0.0%
53.1%	413	414	1	0.3%
54.3%	412	413	0	0.0%
55.6%	412	413	0	0.0%
56.8%	411	412	1	0.3%
58.0%	410	411	1	0.3%
59.3%	410	410	1	0.1%
60.5%	409	410	0	0.1%
61.7%	409	410	1	0.1%
63.0%	407	408	1	0.2%
64.2%	407	407	1	0.1%
65.4%	406	407	0	0.1%
66.7%	406	407	1	0.1%
67.9%	406	407	1	0.1%
69.1%	405	406	1	0.2%
70.4%	405	406	1	0.3%
71.6%	404	405	1	0.3%
72.8%	403	405	2	0.5%
74.1%	402	405	3	0.6%
75.3%	401	403	1	0.3%
76.5%	401	402	1	0.3%
77.8%	401	402	1	0.3%
79.0%	401	402	1	0.3%
80.2%	398	401	3	0.9%
81.5%	394	401	6	1.6%
82.7%	392	399	6	1.6%
84.0%	392	398	6	1.6%
85.2%	392	397	5	1.3%
86.4%	391	397	6	1.5%
87.7%	391	392	2	0.4%
88.9%	390	391	1	0.2%
90.1%	387	390	2	0.6%
91.4%	386	389	3	0.8%
92.6%	382	387	5	1.4%
93.8%	380	387	7	1.7%
95.1%	380	380	0	-0.1%
96.3%	380	380	0	-0.1%
97.5%	378	379	0	0.1%
98.8%	359	367	8	2.2%
100.0%	356	353	-3	-0.8%

Table SW-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	424	424	0	0.0%
1.2%	424	424	0	0.0%
2.5%	424	424	0	0.0%
3.7%	424	424	0	0.0%
4.9%	424	424	0	0.0%
6.2%	424	424	0	0.0%
7.4%	424	424	0	0.0%
8.6%	424	424	0	0.0%
9.9%	424	424	0	0.0%
11.1%	424	424	0	0.0%
12.3%	424	424	0	0.0%
13.6%	424	424	0	0.0%
14.8%	424	424	0	0.0%
16.0%	424	424	0	0.0%
17.3%	424	424	0	0.0%
18.5%	424	424	0	0.1%
19.8%	424	424	0	0.1%
21.0%	424	424	0	0.1%
22.2%	423	424	1	0.2%
23.5%	423	424	1	0.2%
24.7%	423	424	1	0.2%
25.9%	423	424	1	0.2%
27.2%	423	424	1	0.2%
28.4%	423	424	1	0.2%
29.6%	423	423	1	0.1%
30.9%	423	423	0	0.1%
32.1%	423	423	0	0.1%
33.3%	423	423	0	0.0%
34.6%	422	423	0	0.1%
35.8%	422	423	0	0.1%
37.0%	422	423	0	0.1%
38.3%	422	423	0	0.1%
39.5%	422	423	1	0.2%
40.7%	422	422	1	0.1%
42.0%	422	422	1	0.1%
43.2%	422	422	1	0.1%
44.4%	421	422	1	0.3%
45.7%	420	422	2	0.4%
46.9%	420	422	2	0.4%
48.1%	419	422	3	0.7%
49.4%	418	422	3	0.8%
50.6%	418	421	3	0.7%
51.9%	418	420	2	0.6%
53.1%	418	418	0	0.1%
54.3%	417	418	1	0.3%
55.6%	417	418	1	0.3%
56.8%	416	417	1	0.3%
58.0%	414	417	3	0.6%
59.3%	414	416	2	0.5%
60.5%	413	415	2	0.4%
61.7%	413	414	1	0.2%
63.0%	412	414	1	0.3%
64.2%	411	413	2	0.5%
65.4%	409	413	4	1.0%
66.7%	408	413	5	1.2%
67.9%	407	412	5	1.2%
69.1%	407	411	4	1.0%
70.4%	406	410	4	0.9%
71.6%	406	410	3	0.8%
72.8%	406	408	2	0.4%
74.1%	406	407	1	0.2%
75.3%	406	406	0	0.1%
76.5%	405	406	1	0.4%
77.8%	405	406	1	0.3%
79.0%	405	404	-1	-0.1%
80.2%	404	404	-1	-0.1%
81.5%	404	404	0	-0.1%
82.7%	404	404	0	0.0%
84.0%	403	403	0	0.0%
85.2%	403	403	0	0.1%
86.4%	403	403	0	0.0%
87.7%	401	403	2	0.4%
88.9%	398	401	3	0.7%
90.1%	397	397	0	0.0%
91.4%	396	397	1	0.2%
92.6%	396	397	1	0.3%
93.8%	395	396	1	0.2%
95.1%	385	384	-1	-0.2%
96.3%	384	384	0	0.0%
97.5%	375	375	0	-0.1%
98.8%	351	360	8	2.4%
100.0%	345	341	-4	-1.2%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	437	437	0	0.0%
1.2%	437	437	0	0.0%
2.5%	437	437	0	0.0%
3.7%	437	437	0	0.0%
4.9%	436	436	0	0.0%
6.2%	436	436	0	0.0%
7.4%	436	436	0	0.0%
8.6%	436	436	0	0.0%
9.9%	436	436	0	0.0%
11.1%	436	436	0	0.1%
12.3%	436	436	0	0.0%
13.6%	436	436	0	0.0%
14.8%	436	436	0	0.0%
16.0%	436	436	0	0.0%
17.3%	436	436	0	0.0%
18.5%	436	436	0	0.0%
19.8%	436	436	0	0.0%
21.0%	436	436	0	0.0%
22.2%	436	436	0	0.0%
23.5%	436	436	0	0.0%
24.7%	435	435	0	0.0%
25.9%	435	435	0	0.0%
27.2%	435	435	0	0.0%
28.4%	435	435	0	0.0%
29.6%	435	435	0	0.0%
30.9%	435	435	0	0.0%
32.1%	435	435	0	0.0%
33.3%	435	435	0	0.0%
34.6%	435	435	0	0.0%
35.8%	434	434	0	0.0%
37.0%	434	434	0	0.0%
38.3%	434	434	0	0.0%
39.5%	434	434	0	0.0%
40.7%	434	434	0	0.0%
42.0%	434	434	0	0.0%
43.2%	433	433	0	0.0%
44.4%	433	433	0	0.0%
45.7%	433	433	0	0.0%
46.9%	433	433	0	0.0%
48.1%	433	433	0	0.0%
49.4%	432	433	1	0.2%
50.6%	432	433	1	0.2%
51.9%	432	432	0	0.1%
53.1%	432	432	0	0.0%
54.3%	431	432	0	0.1%
55.6%	431	432	1	0.1%
56.8%	431	432	1	0.2%
58.0%	431	431	1	0.1%
59.3%	430	431	0	0.1%
60.5%	430	431	1	0.2%
61.7%	430	431	1	0.2%
63.0%	429	431	1	0.3%
64.2%	429	430	1	0.3%
65.4%	429	430	1	0.2%
66.7%	429	430	1	0.3%
67.9%	427	429	2	0.4%
69.1%	426	429	3	0.7%
70.4%	426	428	1	0.3%
71.6%	426	427	1	0.3%
72.8%	423	426	3	0.8%
74.1%	423	426	3	0.8%
75.3%	423	426	4	0.9%
76.5%	422	425	3	0.8%
77.8%	421	424	3	0.6%
79.0%	420	423	3	0.6%
80.2%	419	423	3	0.8%
81.5%	418	422	4	1.0%
82.7%	417	421	4	0.9%
84.0%	417	421	3	0.8%
85.2%	417	418	2	0.4%
86.4%	414	415	0	0.1%
87.7%	411	413	2	0.4%
88.9%	411	412	2	0.4%
90.1%	410	409	-1	-0.2%
91.4%	406	406	0	-0.1%
92.6%	403	403	0	0.0%
93.8%	403	399	-4	-1.0%
95.1%	394	392	-1	-0.3%
96.3%	391	391	-1	-0.2%
97.5%	391	390	0	-0.1%
98.8%	384	383	0	-0.1%
100.0%	350	359	9	2.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	449	449	0	0.0%
27.2%	449	449	0	0.0%
28.4%	449	449	0	0.0%
29.6%	449	449	0	0.0%
30.9%	449	449	0	0.0%
32.1%	449	449	0	0.0%
33.3%	449	449	0	0.0%
34.6%	449	449	0	0.0%
35.8%	449	449	0	0.0%
37.0%	449	449	0	0.0%
38.3%	449	449	0	0.0%
39.5%	449	449	0	0.0%
40.7%	449	449	0	0.0%
42.0%	449	449	0	0.0%
43.2%	449	449	0	0.0%
44.4%	449	449	0	0.0%
45.7%	449	449	0	0.0%
46.9%	449	449	0	0.0%
48.1%	449	449	0	0.0%
49.4%	449	449	0	0.0%
50.6%	449	449	0	0.0%
51.9%	449	449	0	0.0%
53.1%	449	449	0	0.0%
54.3%	449	449	0	0.0%
55.6%	449	449	0	0.0%
56.8%	449	449	0	0.0%
58.0%	449	449	0	0.0%
59.3%	449	449	0	0.0%
60.5%	449	449	0	0.0%
61.7%	449	449	0	0.0%
63.0%	449	448	-1	-0.2%
64.2%	448	447	-1	-0.1%
65.4%	447	447	-1	-0.1%
66.7%	446	446	0	0.1%
67.9%	445	445	1	0.2%
69.1%	444	444	0	0.0%
70.4%	444	443	0	0.0%
71.6%	443	443	-1	-0.1%
72.8%	441	442	1	0.2%
74.1%	440	442	1	0.3%
75.3%	440	440	1	0.2%
76.5%	438	437	0	0.0%
77.8%	433	437	4	1.0%
79.0%	429	437	8	1.8%
80.2%	428	435	6	1.5%
81.5%	427	432	5	1.2%
82.7%	427	431	4	1.0%
84.0%	425	429	5	1.1%
85.2%	424	424	0	0.1%
86.4%	419	420	1	0.2%
87.7%	416	419	3	0.8%
88.9%	415	411	-4	-0.9%
90.1%	412	410	-1	-0.3%
91.4%	411	410	-1	-0.2%
92.6%	410	410	-1	-0.2%
93.8%	407	406	-1	-0.2%
95.1%	403	402	-1	-0.2%
96.3%	403	399	-4	-1.0%
97.5%	393	393	0	-0.1%
98.8%	391	391	0	0.0%
100.0%	346	353	7	2.0%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	466	0	0.0%
48.1%	466	466	0	0.0%
49.4%	466	466	0	0.0%
50.6%	466	466	0	0.0%
51.9%	466	466	0	0.0%
53.1%	466	466	0	0.0%
54.3%	466	466	0	0.0%
55.6%	466	466	0	0.0%
56.8%	466	465	-1	-0.2%
58.0%	466	464	-1	-0.3%
59.3%	463	463	0	0.0%
60.5%	458	458	0	0.0%
61.7%	458	458	0	0.0%
63.0%	454	455	1	0.2%
64.2%	454	452	-2	-0.4%
65.4%	452	452	-1	-0.1%
66.7%	452	452	0	0.0%
67.9%	451	451	0	0.1%
69.1%	451	451	0	0.1%
70.4%	450	450	0	0.0%
71.6%	449	449	1	0.1%
72.8%	446	449	3	0.6%
74.1%	444	444	0	0.0%
75.3%	442	444	1	0.3%
76.5%	442	443	1	0.3%
77.8%	441	443	1	0.3%
79.0%	440	441	1	0.3%
80.2%	437	440	3	0.7%
81.5%	433	436	3	0.6%
82.7%	432	434	2	0.6%
84.0%	428	427	-1	-0.3%
85.2%	422	421	-1	-0.3%
86.4%	421	420	-1	-0.2%
87.7%	419	419	0	0.0%
88.9%	418	417	0	-0.1%
90.1%	416	416	-1	-0.1%
91.4%	416	412	-4	-1.0%
92.6%	411	410	-1	-0.2%
93.8%	409	409	0	0.1%
95.1%	407	407	0	-0.1%
96.3%	402	398	-4	-1.1%
97.5%	393	393	0	-0.1%
98.8%	391	379	-12	-3.1%
100.0%	348	351	3	0.8%

Table SW-25-9b
Folsom Lake, End of Month Elevation
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	466	466	0	0.0%
1.2%	466	466	0	0.0%
2.5%	466	466	0	0.0%
3.7%	466	466	0	0.0%
4.9%	466	466	0	0.0%
6.2%	466	466	0	0.0%
7.4%	466	466	0	0.0%
8.6%	466	466	0	0.0%
9.9%	466	466	0	0.0%
11.1%	466	466	0	0.0%
12.3%	466	466	0	0.0%
13.6%	466	466	0	0.0%
14.8%	466	466	0	0.0%
16.0%	466	466	0	0.0%
17.3%	466	466	0	0.0%
18.5%	466	466	0	0.0%
19.8%	466	466	0	0.0%
21.0%	466	466	0	0.0%
22.2%	466	466	0	0.0%
23.5%	466	466	0	0.0%
24.7%	466	466	0	0.0%
25.9%	466	466	0	0.0%
27.2%	466	466	0	0.0%
28.4%	466	466	0	0.0%
29.6%	466	466	0	0.0%
30.9%	466	466	0	0.0%
32.1%	466	466	0	0.0%
33.3%	466	466	0	0.0%
34.6%	466	466	0	0.0%
35.8%	466	466	0	0.0%
37.0%	466	466	0	0.0%
38.3%	466	466	0	0.0%
39.5%	466	466	0	0.0%
40.7%	466	466	0	0.0%
42.0%	466	466	0	0.0%
43.2%	466	466	0	0.0%
44.4%	466	466	0	0.0%
45.7%	466	466	0	0.0%
46.9%	466	465	0	-0.1%
48.1%	466	465	0	-0.1%
49.4%	465	465	0	0.0%
50.6%	465	465	0	0.0%
51.9%	464	464	0	0.0%
53.1%	464	463	-1	-0.2%
54.3%	462	463	1	0.2%
55.6%	460	463	3	0.6%
56.8%	458	462	4	0.9%
58.0%	457	461	4	0.9%
59.3%	453	454	1	0.2%
60.5%	452	453	2	0.4%
61.7%	451	452	1	0.2%
63.0%	451	450	-2	-0.3%
64.2%	449	448	0	-0.1%
65.4%	446	446	0	0.1%
66.7%	446	443	-2	-0.5%
67.9%	443	443	0	0.1%
69.1%	442	442	0	-0.1%
70.4%	442	440	-1	-0.3%
71.6%	439	440	1	0.2%
72.8%	437	439	2	0.5%
74.1%	437	438	1	0.3%
75.3%	436	437	1	0.2%
76.5%	435	436	1	0.1%
77.8%	431	435	4	0.8%
79.0%	429	434	5	1.1%
80.2%	428	433	4	1.0%
81.5%	427	428	1	0.2%
82.7%	427	428	1	0.3%
84.0%	424	427	2	0.5%
85.2%	418	417	-1	-0.3%
86.4%	417	415	-2	-0.5%
87.7%	416	413	-3	-0.8%
88.9%	411	412	1	0.3%
90.1%	410	411	0	0.1%
91.4%	409	410	1	0.3%
92.6%	406	408	3	0.6%
93.8%	399	407	8	2.1%
95.1%	398	395	-3	-0.8%
96.3%	393	395	2	0.5%
97.5%	389	391	2	0.6%
98.8%	367	379	12	3.2%
100.0%	339	342	2	0.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	463	463	0	0.0%
1.2%	463	463	0	0.0%
2.5%	463	463	0	0.0%
3.7%	463	463	0	0.0%
4.9%	463	463	0	0.0%
6.2%	463	463	0	0.0%
7.4%	463	463	0	0.0%
8.6%	463	463	0	0.0%
9.9%	463	463	0	0.0%
11.1%	463	463	0	0.0%
12.3%	463	463	-1	-0.2%
13.6%	463	462	-2	-0.4%
14.8%	463	461	-2	-0.4%
16.0%	463	461	-3	-0.5%
17.3%	462	461	-1	-0.2%
18.5%	461	460	0	-0.1%
19.8%	460	460	1	0.1%
21.0%	459	460	1	0.2%
22.2%	457	460	3	0.7%
23.5%	456	460	4	0.9%
24.7%	456	459	3	0.6%
25.9%	455	456	1	0.2%
27.2%	453	455	2	0.3%
28.4%	449	454	5	1.1%
29.6%	449	452	3	0.7%
30.9%	448	451	3	0.6%
32.1%	448	451	3	0.6%
33.3%	448	450	2	0.5%
34.6%	448	450	3	0.6%
35.8%	447	450	3	0.6%
37.0%	447	450	3	0.6%
38.3%	446	449	3	0.7%
39.5%	446	448	2	0.5%
40.7%	445	448	3	0.6%
42.0%	445	447	2	0.5%
43.2%	445	447	2	0.5%
44.4%	444	446	2	0.4%
45.7%	444	445	1	0.3%
46.9%	444	445	1	0.2%
48.1%	443	444	1	0.2%
49.4%	442	443	0	0.1%
50.6%	442	442	0	0.0%
51.9%	439	442	3	0.6%
53.1%	439	442	3	0.6%
54.3%	437	442	5	1.1%
55.6%	437	441	4	0.9%
56.8%	436	439	4	0.8%
58.0%	435	439	4	0.9%
59.3%	432	438	6	1.4%
60.5%	427	435	8	1.8%
61.7%	426	433	7	1.7%
63.0%	424	432	8	1.8%
64.2%	423	427	4	0.9%
65.4%	420	427	7	1.6%
66.7%	420	423	4	0.8%
67.9%	419	422	3	0.8%
69.1%	417	421	4	1.0%
70.4%	416	419	3	0.8%
71.6%	416	419	4	0.9%
72.8%	415	419	4	1.0%
74.1%	413	418	5	1.2%
75.3%	413	418	5	1.2%
76.5%	412	418	6	1.4%
77.8%	411	418	7	1.7%
79.0%	408	415	6	1.6%
80.2%	408	414	6	1.5%
81.5%	407	411	4	1.0%
82.7%	405	411	6	1.6%
84.0%	405	405	1	0.2%
85.2%	401	403	2	0.5%
86.4%	401	402	1	0.4%
87.7%	400	402	2	0.4%
88.9%	400	402	2	0.5%
90.1%	395	401	6	1.4%
91.4%	394	399	5	1.4%
92.6%	392	399	7	1.8%
93.8%	390	393	3	0.7%
95.1%	390	392	2	0.5%
96.3%	390	387	-2	-0.6%
97.5%	369	377	8	2.2%
98.8%	356	372	16	4.5%
100.0%	330	330	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	449	449	0	0.0%
1.2%	449	449	0	0.0%
2.5%	449	449	0	0.0%
3.7%	449	449	0	0.0%
4.9%	449	449	0	0.0%
6.2%	449	449	0	0.0%
7.4%	449	449	0	0.0%
8.6%	449	449	0	0.0%
9.9%	449	449	0	0.0%
11.1%	449	449	0	0.0%
12.3%	449	449	0	0.0%
13.6%	449	449	0	0.0%
14.8%	449	449	0	0.0%
16.0%	449	449	0	0.0%
17.3%	449	449	0	0.0%
18.5%	449	449	0	0.0%
19.8%	449	449	0	0.0%
21.0%	449	449	0	0.0%
22.2%	449	449	0	0.0%
23.5%	449	449	0	0.0%
24.7%	449	449	0	0.0%
25.9%	448	447	0	-0.1%
27.2%	447	447	0	0.0%
28.4%	445	446	0	0.1%
29.6%	443	444	1	0.3%
30.9%	443	443	0	0.0%
32.1%	443	443	0	0.0%
33.3%	443	443	0	0.0%
34.6%	441	442	1	0.3%
35.8%	441	442	2	0.4%
37.0%	440	442	2	0.5%
38.3%	439	442	2	0.5%
39.5%	439	442	2	0.6%
40.7%	439	441	2	0.5%
42.0%	438	440	2	0.5%
43.2%	435	439	4	0.9%
44.4%	434	438	4	0.9%
45.7%	432	438	6	1.4%
46.9%	432	438	7	1.5%
48.1%	430	437	7	1.7%
49.4%	430	435	5	1.2%
50.6%	430	434	4	1.0%
51.9%	430	434	4	0.9%
53.1%	428	433	5	1.1%
54.3%	428	432	4	1.0%
55.6%	424	430	6	1.5%
56.8%	424	429	5	1.2%
58.0%	423	427	5	1.1%
59.3%	422	427	5	1.3%
60.5%	420	427	7	1.7%
61.7%	418	425	6	1.5%
63.0%	418	424	6	1.5%
64.2%	417	423	6	1.3%
65.4%	412	419	7	1.8%
66.7%	412	418	7	1.6%
67.9%	412	415	3	0.8%
69.1%	409	415	5	1.3%
70.4%	407	412	5	1.2%
71.6%	406	409	3	0.7%
72.8%	405	408	3	0.8%
74.1%	404	407	3	0.7%
75.3%	404	407	3	0.8%
76.5%	403	407	4	1.0%
77.8%	401	407	6	1.4%
79.0%	400	406	6	1.6%
80.2%	400	405	6	1.5%
81.5%	399	403	4	1.0%
82.7%	399	400	1	0.4%
84.0%	398	399	2	0.4%
85.2%	397	397	0	0.0%
86.4%	393	395	2	0.6%
87.7%	392	393	1	0.3%
88.9%	391	393	2	0.5%
90.1%	390	392	2	0.5%
91.4%	390	389	-1	-0.2%
92.6%	389	389	0	-0.1%
93.8%	384	388	4	1.1%
95.1%	381	385	3	0.8%
96.3%	379	384	5	1.3%
97.5%	337	366	29	8.7%
98.8%	330	337	7	2.1%
100.0%	330	330	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	434	434	0	0.0%
1.2%	434	434	0	0.0%
2.5%	434	434	0	0.0%
3.7%	434	434	0	0.0%
4.9%	434	434	0	0.0%
6.2%	434	434	0	0.0%
7.4%	434	434	0	0.0%
8.6%	434	434	0	0.0%
9.9%	434	434	0	0.0%
11.1%	434	434	0	0.0%
12.3%	434	434	0	0.0%
13.6%	434	434	0	0.0%
14.8%	434	434	0	0.0%
16.0%	433	434	0	0.1%
17.3%	433	434	0	0.1%
18.5%	433	434	1	0.1%
19.8%	433	434	1	0.1%
21.0%	433	434	1	0.2%
22.2%	433	434	1	0.2%
23.5%	432	434	1	0.3%
24.7%	432	434	1	0.3%
25.9%	432	434	2	0.4%
27.2%	432	434	2	0.5%
28.4%	431	434	2	0.6%
29.6%	431	434	3	0.6%
30.9%	431	434	3	0.7%
32.1%	429	434	5	1.1%
33.3%	429	434	5	1.2%
34.6%	428	433	5	1.1%
35.8%	427	433	5	1.3%
37.0%	426	432	6	1.4%
38.3%	426	432	5	1.3%
39.5%	426	431	6	1.3%
40.7%	426	431	6	1.3%
42.0%	425	429	4	0.9%
43.2%	425	429	4	0.9%
44.4%	424	429	5	1.1%
45.7%	423	429	5	1.3%
46.9%	422	429	7	1.6%
48.1%	421	428	7	1.6%
49.4%	420	427	8	1.9%
50.6%	420	427	8	1.9%
51.9%	420	427	8	1.9%
53.1%	419	427	8	1.8%
54.3%	418	427	8	1.9%
55.6%	418	426	9	2.1%
56.8%	417	424	7	1.6%
58.0%	415	423	8	2.0%
59.3%	414	422	8	1.9%
60.5%	414	418	4	1.0%
61.7%	413	418	5	1.2%
63.0%	409	415	6	1.6%
64.2%	407	415	8	1.9%
65.4%	405	413	8	1.9%
66.7%	405	413	8	2.0%
67.9%	405	410	5	1.4%
69.1%	403	410	7	1.7%
70.4%	402	407	5	1.2%
71.6%	401	406	5	1.2%
72.8%	401	405	4	1.1%
74.1%	400	404	4	1.1%
75.3%	400	404	5	1.2%
76.5%	399	404	5	1.2%
77.8%	399	403	5	1.1%
79.0%	398	403	5	1.3%
80.2%	397	402	4	1.1%
81.5%	397	397	1	0.2%
82.7%	396	397	1	0.2%
84.0%	395	396	1	0.3%
85.2%	393	395	2	0.5%
86.4%	391	390	-1	-0.2%
87.7%	388	390	2	0.5%
88.9%	387	390	3	0.8%
90.1%	385	390	5	1.3%
91.4%	384	386	2	0.5%
92.6%	383	386	2	0.6%
93.8%	380	385	6	1.5%
95.1%	376	380	4	1.0%
96.3%	346	374	28	8.1%
97.5%	330	344	14	4.3%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

Table SW-26-9a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	7,394	7,011	7,177	7,384	7,599	8,611	9,478	10,219	9,984	8,943	8,292	7,603
Alternative D	7,648	7,224	7,313	7,479	7,673	8,664	9,507	10,208	10,030	9,138	8,495	7,891
Difference	254	213	136	95	74	53	28	-11	46	195	203	288
Percent Difference[3]	3.4%	3.0%	1.9%	1.3%	1.0%	0.6%	0.3%	-0.1%	0.5%	2.2%	2.4%	3.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,583	7,813	7,809	7,942	7,807	9,003	10,083	11,104	11,090	10,503	9,863	8,687
Alternative D	8,798	7,971	7,905	7,959	7,814	9,007	10,085	11,106	11,095	10,581	9,915	8,983
Difference	215	159	96	16	8	3	2	1	5	78	52	296
Percent Difference	2.5%	2.0%	1.2%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	0.5%	3.4%
Above Normal (15%)												
No Action Alternative	8,020	7,505	7,677	7,899	8,068	9,141	10,105	11,118	10,957	9,728	9,139	8,310
Alternative D	8,265	7,734	7,805	7,986	8,097	9,141	10,105	11,117	10,954	9,837	9,302	8,563
Difference	245	229	128	87	28	0	0	0	-2	109	163	253
Percent Difference	3.1%	3.0%	1.7%	1.1%	0.4%	0.0%	0.0%	0.0%	0.0%	1.1%	1.8%	3.0%
Below Normal (17%)												
No Action Alternative	8,272	7,826	7,757	7,731	8,115	9,007	10,056	10,892	10,769	9,254	8,720	8,358
Alternative D	8,437	7,939	7,874	7,778	8,192	9,070	10,054	10,866	10,746	9,570	8,996	8,535
Difference	165	113	117	47	77	62	-3	-26	-24	316	277	177
Percent Difference	2.0%	1.4%	1.5%	0.6%	0.9%	0.7%	0.0%	-0.2%	-0.2%	3.4%	3.2%	2.1%
Dry (22%)												
No Action Alternative	6,667	6,728	6,868	7,065	7,716	8,702	9,440	9,934	9,442	8,061	7,242	6,973
Alternative D	7,052	7,040	7,024	7,269	7,882	8,821	9,548	9,991	9,584	8,342	7,599	7,351
Difference	386	311	156	204	166	120	108	57	142	281	356	377
Percent Difference	5.8%	4.6%	2.3%	2.9%	2.1%	1.4%	1.1%	0.6%	1.5%	3.5%	4.9%	5.4%
Critical (15%)												
No Action Alternative	4,257	4,251	5,094	5,730	5,900	6,635	6,922	7,043	6,516	5,740	5,115	4,613
Alternative D	4,511	4,536	5,316	5,898	6,025	6,739	6,954	6,910	6,636	6,005	5,368	4,911
Difference	254	285	223	168	125	104	32	-133	120	265	252	298
Percent Difference	6.0%	6.7%	4.4%	2.9%	2.1%	1.6%	0.5%	-1.9%	1.8%	4.6%	4.9%	6.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

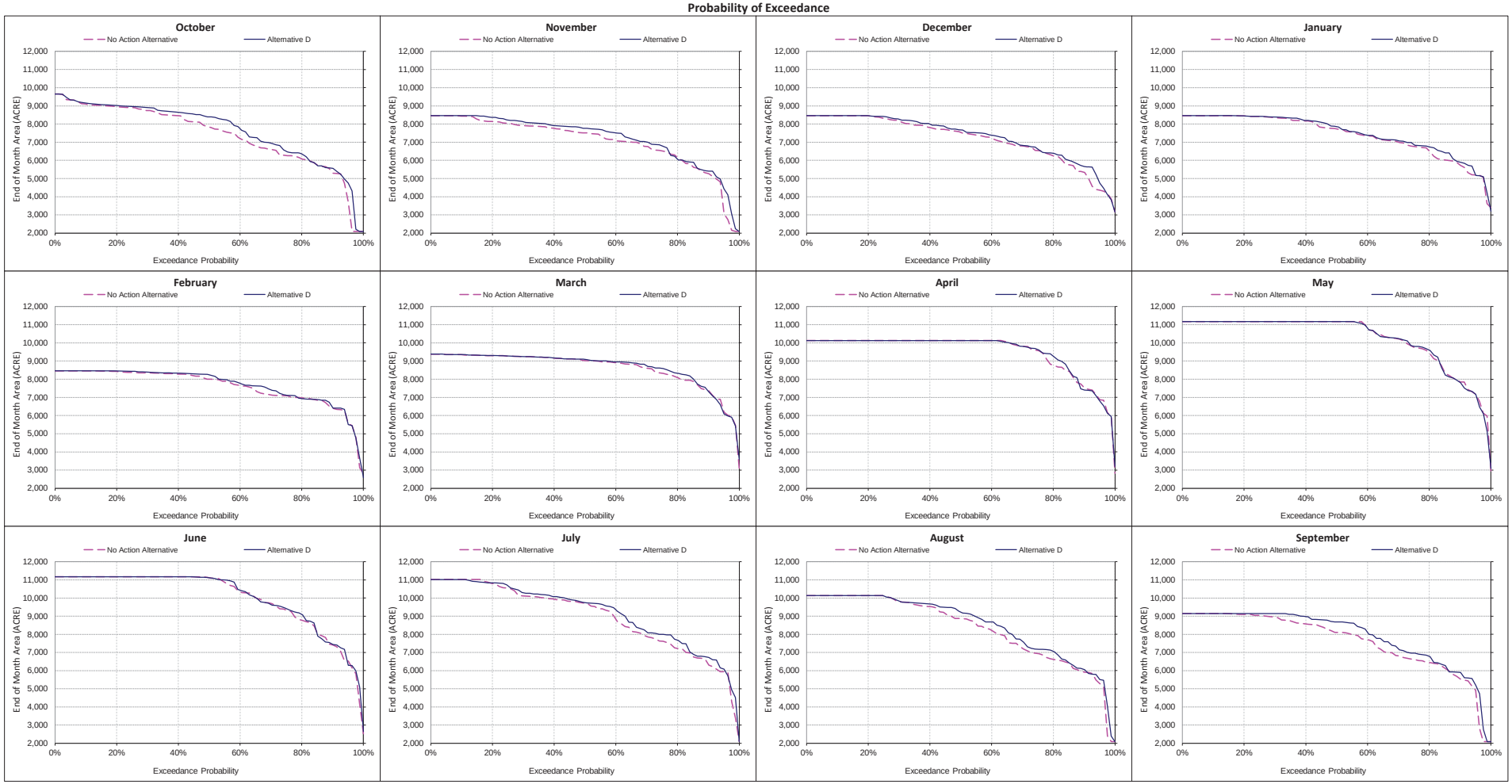

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,656	9,656	0	0.0%
1.2%	9,656	9,656	0	0.0%
2.5%	9,643	9,643	0	0.0%
3.7%	9,343	9,464	121	1.3%
4.9%	9,334	9,334	0	0.0%
6.2%	9,320	9,320	0	0.0%
7.4%	9,233	9,233	0	0.0%
8.6%	9,113	9,193	80	0.9%
9.9%	9,100	9,159	60	0.7%
11.1%	9,051	9,120	69	0.8%
12.3%	9,043	9,104	61	0.7%
13.6%	9,042	9,097	55	0.6%
14.8%	9,038	9,077	39	0.4%
16.0%	9,006	9,055	49	0.5%
17.3%	8,991	9,047	56	0.6%
18.5%	8,975	9,033	58	0.6%
19.8%	8,962	9,022	60	0.7%
21.0%	8,944	9,006	62	0.7%
22.2%	8,931	8,978	47	0.5%
23.5%	8,908	8,974	66	0.7%
24.7%	8,906	8,966	60	0.7%
25.9%	8,899	8,962	63	0.7%
27.2%	8,827	8,944	117	1.3%
28.4%	8,807	8,931	124	1.4%
29.6%	8,737	8,916	179	2.1%
30.9%	8,737	8,898	162	1.8%
32.1%	8,684	8,882	198	2.3%
33.3%	8,617	8,764	147	1.7%
34.6%	8,518	8,736	218	2.6%
35.8%	8,510	8,721	212	2.5%
37.0%	8,494	8,693	199	2.3%
38.3%	8,474	8,687	214	2.5%
39.5%	8,468	8,650	181	2.1%
40.7%	8,452	8,628	177	2.1%
42.0%	8,239	8,612	373	4.5%
43.2%	8,139	8,574	435	5.3%
44.4%	8,130	8,565	435	5.3%
45.7%	8,117	8,526	409	5.0%
46.9%	8,107	8,525	418	5.2%
48.1%	7,929	8,455	526	6.6%
49.4%	7,864	8,399	535	6.8%
50.6%	7,801	8,392	591	7.6%
51.9%	7,727	8,368	640	8.3%
53.1%	7,712	8,292	580	7.5%
54.3%	7,625	8,248	623	8.2%
55.6%	7,559	8,221	662	8.8%
56.8%	7,519	8,144	625	8.3%
58.0%	7,499	7,921	422	5.6%
59.3%	7,274	7,860	586	8.1%
60.5%	7,146	7,649	503	7.0%
61.7%	7,124	7,567	443	6.2%
63.0%	6,945	7,292	347	5.0%
64.2%	6,845	7,269	424	6.2%
65.4%	6,781	7,251	470	6.9%
66.7%	6,696	7,053	358	5.3%
67.9%	6,670	7,001	330	5.0%
69.1%	6,625	6,986	361	5.5%
70.4%	6,596	6,923	327	5.0%
71.6%	6,554	6,863	310	4.7%
72.8%	6,288	6,821	533	8.5%
74.1%	6,288	6,576	289	4.6%
75.3%	6,262	6,463	201	3.2%
76.5%	6,256	6,433	177	2.8%
77.8%	6,227	6,407	180	2.9%
79.0%	6,156	6,407	251	4.1%
80.2%	6,065	6,325	260	4.3%
81.5%	6,030	6,185	155	2.6%
82.7%	5,964	5,937	-27	-0.5%
84.0%	5,868	5,881	13	0.2%
85.2%	5,731	5,696	-35	-0.6%
86.4%	5,673	5,695	22	0.4%
87.7%	5,661	5,600	-61	-1.1%
88.9%	5,548	5,584	36	0.6%
90.1%	5,301	5,556	255	4.8%
91.4%	5,285	5,388	103	2.0%
92.6%	5,251	5,242	-9	-0.2%
93.8%	4,730	4,979	249	5.3%
95.1%	3,706	4,747	1,041	28.1%
96.3%	2,091	4,312	2,222	106.3%
97.5%	2,091	2,215	124	5.9%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,433	8,458	26	0.3%
11.1%	8,431	8,458	28	0.3%
12.3%	8,422	8,458	37	0.4%
13.6%	8,411	8,458	48	0.6%
14.8%	8,279	8,458	179	2.2%
16.0%	8,201	8,433	232	2.8%
17.3%	8,165	8,431	266	3.3%
18.5%	8,142	8,393	252	3.1%
19.8%	8,139	8,373	233	2.9%
21.0%	8,128	8,372	244	3.0%
22.2%	8,110	8,312	202	2.5%
23.5%	8,054	8,292	239	3.0%
24.7%	8,043	8,230	187	2.3%
25.9%	8,026	8,201	175	2.2%
27.2%	7,970	8,197	228	2.9%
28.4%	7,928	8,171	243	3.1%
29.6%	7,920	8,139	219	2.8%
30.9%	7,912	8,082	170	2.2%
32.1%	7,891	8,071	179	2.3%
33.3%	7,890	8,058	168	2.1%
34.6%	7,875	8,051	176	2.2%
35.8%	7,865	8,029	164	2.1%
37.0%	7,844	8,010	166	2.1%
38.3%	7,784	7,957	174	2.2%
39.5%	7,779	7,917	138	1.8%
40.7%	7,739	7,909	170	2.2%
42.0%	7,718	7,892	174	2.3%
43.2%	7,650	7,873	223	2.9%
44.4%	7,637	7,870	233	3.0%
45.7%	7,593	7,849	256	3.4%
46.9%	7,564	7,845	282	3.7%
48.1%	7,529	7,817	287	3.8%
49.4%	7,515	7,763	248	3.3%
50.6%	7,507	7,760	252	3.4%
51.9%	7,476	7,740	265	3.5%
53.1%	7,454	7,731	276	3.7%
54.3%	7,447	7,704	257	3.4%
55.6%	7,288	7,688	400	5.5%
56.8%	7,176	7,604	428	6.0%
58.0%	7,150	7,558	408	5.7%
59.3%	7,146	7,523	377	5.3%
60.5%	7,063	7,494	431	6.1%
61.7%	7,050	7,492	442	6.3%
63.0%	7,043	7,288	245	3.5%
64.2%	7,023	7,238	215	3.1%
65.4%	7,003	7,161	158	2.3%
66.7%	6,993	7,112	119	1.7%
67.9%	6,911	7,037	126	1.8%
69.1%	6,778	7,036	258	3.8%
70.4%	6,754	7,003	249	3.7%
71.6%	6,612	6,884	272	4.1%
72.8%	6,568	6,870	302	4.6%
74.1%	6,548	6,861	313	4.8%
75.3%	6,515	6,774	259	4.0%
76.5%	6,473	6,691	219	3.4%
77.8%	6,336	6,271	-65	-1.0%
79.0%	6,302	6,230	-72	-1.1%
80.2%	6,116	6,024	-92	-1.5%
81.5%	5,998	6,014	16	0.3%
82.7%	5,830	5,940	110	1.9%
84.0%	5,825	5,914	88	1.5%
85.2%	5,621	5,894	273	4.9%
86.4%	5,568	5,565	-3	0.0%
87.7%	5,410	5,486	76	1.4%
88.9%	5,322	5,440	118	2.2%
90.1%	5,266	5,407	141	2.7%
91.4%	5,108	5,404	296	5.8%
92.6%	4,978	5,099	121	2.4%
93.8%	4,819	4,977	158	3.3%
95.1%	3,064	4,432	1,368	44.6%
96.3%	2,732	4,109	1,376	50.4%
97.5%	2,159	3,065	906	41.9%
98.8%	2,091	2,234	143	6.8%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,458	8,458	0	0.0%
18.5%	8,458	8,458	0	0.0%
19.8%	8,458	8,458	0	0.0%
21.0%	8,431	8,431	0	0.0%
22.2%	8,388	8,427	40	0.5%
23.5%	8,385	8,424	39	0.5%
24.7%	8,323	8,416	92	1.1%
25.9%	8,303	8,400	97	1.2%
27.2%	8,233	8,332	98	1.2%
28.4%	8,215	8,298	82	1.0%
29.6%	8,209	8,281	72	0.9%
30.9%	8,099	8,219	120	1.5%
32.1%	8,024	8,215	191	2.4%
33.3%	8,013	8,199	186	2.3%
34.6%	7,948	8,167	220	2.8%
35.8%	7,933	8,127	193	2.4%
37.0%	7,933	8,050	117	1.5%
38.3%	7,909	8,033	124	1.6%
39.5%	7,827	8,030	202	2.6%
40.7%	7,786	7,938	152	2.0%
42.0%	7,722	7,933	212	2.7%
43.2%	7,705	7,909	203	2.6%
44.4%	7,705	7,893	188	2.4%
45.7%	7,675	7,786	111	1.4%
46.9%	7,632	7,725	93	1.2%
48.1%	7,609	7,724	116	1.5%
49.4%	7,590	7,676	86	1.1%
50.6%	7,494	7,675	181	2.4%
51.9%	7,485	7,544	59	0.8%
53.1%	7,438	7,534	95	1.3%
54.3%	7,420	7,533	113	1.5%
55.6%	7,370	7,519	149	2.0%
56.8%	7,353	7,499	147	2.0%
58.0%	7,286	7,473	187	2.6%
59.3%	7,270	7,405	135	1.9%
60.5%	7,174	7,377	203	2.8%
61.7%	7,091	7,336	245	3.4%
63.0%	7,043	7,276	233	3.3%
64.2%	6,971	7,252	281	4.0%
65.4%	6,933	7,052	119	1.7%
66.7%	6,887	7,046	159	2.3%
67.9%	6,807	6,953	145	2.1%
69.1%	6,800	6,846	46	0.7%
70.4%	6,794	6,811	17	0.3%
71.6%	6,746	6,800	54	0.8%
72.8%	6,736	6,754	18	0.3%
74.1%	6,546	6,736	190	2.9%
75.3%	6,535	6,579	44	0.7%
76.5%	6,490	6,439	-51	-0.8%
77.8%	6,383	6,407	24	0.4%
79.0%	6,315	6,407	92	1.5%
80.2%	6,232	6,381	149	2.4%
81.5%	6,209	6,307	98	1.6%
82.7%	6,034	6,288	254	4.2%
84.0%	5,786	6,069	283	4.9%
85.2%	5,751	5,993	242	4.2%
86.4%	5,718	5,921	203	3.5%
87.7%	5,398	5,807	410	7.6%
88.9%	5,390	5,729	339	6.3%
90.1%	5,339	5,657	318	6.0%
91.4%	5,015	5,645	630	12.6%
92.6%	4,575	5,625	1,051	23.0%
93.8%	4,404	5,220	816	18.5%
95.1%	4,364	4,753	388	8.9%
96.3%	4,308	4,477	169	3.9%
97.5%	4,181	4,121	-60	-1.4%
98.8%	3,873	3,834	-39	-1.0%
100.0%	3,154	3,155	1	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,458	8,458	0	0.0%
16.0%	8,458	8,458	0	0.0%
17.3%	8,457	8,458	2	0.0%
18.5%	8,451	8,458	8	0.1%
19.8%	8,449	8,449	0	0.0%
21.0%	8,431	8,431	0	0.0%
22.2%	8,422	8,425	3	0.0%
23.5%	8,422	8,422	0	0.0%
24.7%	8,422	8,422	0	0.0%
25.9%	8,412	8,422	9	0.1%
27.2%	8,394	8,412	18	0.2%
28.4%	8,376	8,394	18	0.2%
29.6%	8,357	8,386	29	0.3%
30.9%	8,339	8,376	37	0.4%
32.1%	8,320	8,375	55	0.7%
33.3%	8,320	8,357	37	0.4%
34.6%	8,265	8,339	74	0.9%
35.8%	8,204	8,320	116	1.4%
37.0%	8,201	8,320	120	1.5%
38.3%	8,184	8,265	81	1.0%
39.5%	8,173	8,204	31	0.4%
40.7%	8,164	8,201	37	0.5%
42.0%	8,134	8,173	39	0.5%
43.2%	8,015	8,164	149	1.9%
44.4%	7,829	8,121	292	3.7%
45.7%	7,812	8,080	268	3.4%
46.9%	7,783	8,017	234	3.0%
48.1%	7,769	7,891	122	1.6%
49.4%	7,752	7,875	123	1.6%
50.6%	7,712	7,829	117	1.5%
51.9%	7,694	7,694	0	0.0%
53.1%	7,578	7,679	101	1.3%
54.3%	7,573	7,580	8	0.1%
55.6%	7,568	7,578	10	0.1%
56.8%	7,442	7,539	98	1.3%
58.0%	7,399	7,477	78	1.1%
59.3%	7,359	7,399	40	0.5%
60.5%	7,348	7,376	28	0.4%
61.7%	7,327	7,371	43	0.6%
63.0%	7,189	7,252	63	0.9%
64.2%	7,132	7,177	45	0.6%
65.4%	7,123	7,152	30	0.4%
66.7%	7,101	7,140	39	0.5%
67.9%	7,088	7,132	44	0.6%
69.1%	7,049	7,123	74	1.0%
70.4%	6,987	7,067	80	1.1%
71.6%	6,954	7,049	95	1.4%
72.8%	6,846	6,987	141	2.1%
74.1%	6,792	6,979	187	2.8%
75.3%	6,754	6,833	79	1.2%
76.5%	6,726	6,815	88	1.3%
77.8%	6,700	6,798	98	1.5%
79.0%	6,693	6,788	95	1.4%
80.2%	6,475	6,726	251	3.9%
81.5%	6,225	6,693	468	7.5%
82.7%	6,089	6,557	468	7.7%
84.0%	6,048	6,502	454	7.5%
85.2%	6,025	6,407	382	6.3%
86.4%	5,987	6,407	420	7.0%
87.7%	5,967	6,093	126	2.1%
88.9%	5,894	5,954	60	1.0%
90.1%	5,722	5,900	178	3.1%
91.4%	5,620	5,841	221	3.9%
92.6%	5,325	5,724	399	7.5%
93.8%	5,206	5,680	474	9.1%
95.1%	5,199	5,163	-36	-0.7%
96.3%	5,179	5,151	-28	-0.5%
97.5%	5,073	5,096	23	0.5%
98.8%	3,626	4,173	548	15.1%
100.0%	3,393	3,206	-187	-5.5%

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,458	8,458	0	0.0%
1.2%	8,458	8,458	0	0.0%
2.5%	8,458	8,458	0	0.0%
3.7%	8,458	8,458	0	0.0%
4.9%	8,458	8,458	0	0.0%
6.2%	8,458	8,458	0	0.0%
7.4%	8,458	8,458	0	0.0%
8.6%	8,458	8,458	0	0.0%
9.9%	8,458	8,458	0	0.0%
11.1%	8,458	8,458	0	0.0%
12.3%	8,458	8,458	0	0.0%
13.6%	8,458	8,458	0	0.0%
14.8%	8,449	8,458	9	0.1%
16.0%	8,449	8,458	9	0.1%
17.3%	8,446	8,458	13	0.2%
18.5%	8,433	8,458	26	0.3%
19.8%	8,431	8,449	18	0.2%
21.0%	8,412	8,449	37	0.4%
22.2%	8,394	8,446	52	0.6%
23.5%	8,376	8,440	64	0.8%
24.7%	8,376	8,433	57	0.7%
25.9%	8,375	8,431	56	0.7%
27.2%	8,348	8,412	64	0.8%
28.4%	8,348	8,412	64	0.8%
29.6%	8,348	8,394	46	0.6%
30.9%	8,348	8,376	28	0.3%
32.1%	8,339	8,376	37	0.4%
33.3%	8,339	8,348	9	0.1%
34.6%	8,320	8,348	28	0.3%
35.8%	8,312	8,348	36	0.4%
37.0%	8,311	8,348	37	0.4%
38.3%	8,311	8,339	28	0.3%
39.5%	8,283	8,339	55	0.7%
40.7%	8,283	8,323	40	0.5%
42.0%	8,274	8,320	46	0.6%
43.2%	8,265	8,311	46	0.6%
44.4%	8,210	8,311	101	1.2%
45.7%	8,168	8,283	115	1.4%
46.9%	8,164	8,283	120	1.5%
48.1%	8,069	8,274	206	2.5%
49.4%	8,007	8,265	258	3.2%
50.6%	7,995	8,210	214	2.7%
51.9%	7,989	8,164	175	2.2%
53.1%	7,970	8,007	37	0.5%
54.3%	7,893	7,989	95	1.2%
55.6%	7,890	7,970	80	1.0%
56.8%	7,807	7,892	85	1.1%
58.0%	7,702	7,890	188	2.4%
59.3%	7,681	7,825	144	1.9%
60.5%	7,620	7,734	114	1.5%
61.7%	7,620	7,672	52	0.7%
63.0%	7,565	7,667	103	1.4%
64.2%	7,497	7,644	147	2.0%
65.4%	7,313	7,620	307	4.2%
66.7%	7,240	7,620	380	5.3%
67.9%	7,188	7,565	377	5.2%
69.1%	7,169	7,472	303	4.2%
70.4%	7,120	7,384	264	3.7%
71.6%	7,113	7,363	249	3.5%
72.8%	7,113	7,226	113	1.6%
74.1%	7,095	7,149	54	0.8%
75.3%	7,095	7,113	19	0.3%
76.5%	7,006	7,113	108	1.5%
77.8%	6,996	7,095	99	1.4%
79.0%	6,994	6,957	-37	-0.5%
80.2%	6,962	6,923	-39	-0.6%
81.5%	6,957	6,920	-37	-0.5%
82.7%	6,920	6,906	-14	-0.2%
84.0%	6,883	6,883	0	0.0%
85.2%	6,846	6,881	35	0.5%
86.4%	6,844	6,846	2	0.0%
87.7%	6,719	6,843	124	1.8%
88.9%	6,521	6,739	218	3.3%
90.1%	6,395	6,407	12	0.2%
91.4%	6,343	6,407	64	1.0%
92.6%	6,324	6,407	83	1.3%
93.8%	6,288	6,343	55	0.9%
95.1%	5,560	5,504	-56	-1.0%
96.3%	5,451	5,450	-1	0.0%
97.5%	4,808	4,770	-38	-0.8%
98.8%	3,124	3,656	531	17.0%
100.0%	2,794	2,587	-207	-7.4%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,380	9,380	0	0.0%
1.2%	9,380	9,380	0	0.0%
2.5%	9,380	9,380	0	0.0%
3.7%	9,380	9,380	0	0.0%
4.9%	9,361	9,361	0	0.0%
6.2%	9,361	9,361	0	0.0%
7.4%	9,361	9,361	0	0.0%
8.6%	9,352	9,352	0	0.0%
9.9%	9,352	9,352	0	0.0%
11.1%	9,334	9,352	18	0.2%
12.3%	9,325	9,334	9	0.1%
13.6%	9,325	9,325	0	0.0%
14.8%	9,315	9,325	9	0.1%
16.0%	9,315	9,315	0	0.0%
17.3%	9,306	9,315	9	0.1%
18.5%	9,306	9,306	0	0.0%
19.8%	9,306	9,306	0	0.0%
21.0%	9,306	9,306	0	0.0%
22.2%	9,306	9,306	0	0.0%
23.5%	9,297	9,297	0	0.0%
24.7%	9,278	9,278	0	0.0%
25.9%	9,278	9,278	0	0.0%
27.2%	9,260	9,260	0	0.0%
28.4%	9,260	9,260	0	0.0%
29.6%	9,251	9,251	0	0.0%
30.9%	9,244	9,251	7	0.1%
32.1%	9,242	9,242	0	0.0%
33.3%	9,232	9,232	0	0.0%
34.6%	9,223	9,223	0	0.0%
35.8%	9,214	9,214	0	0.0%
37.0%	9,205	9,205	0	0.0%
38.3%	9,205	9,205	0	0.0%
39.5%	9,177	9,177	0	0.0%
40.7%	9,149	9,160	10	0.1%
42.0%	9,147	9,149	2	0.0%
43.2%	9,122	9,122	0	0.0%
44.4%	9,122	9,122	0	0.0%
45.7%	9,122	9,119	-3	0.0%
46.9%	9,113	9,113	0	0.0%
48.1%	9,103	9,106	2	0.0%
49.4%	9,030	9,103	74	0.8%
50.6%	9,023	9,081	58	0.6%
51.9%	9,002	9,030	28	0.3%
53.1%	9,002	9,018	16	0.2%
54.3%	8,989	9,007	18	0.2%
55.6%	8,956	9,002	46	0.5%
56.8%	8,947	9,002	55	0.6%
58.0%	8,947	8,986	39	0.4%
59.3%	8,919	8,956	37	0.4%
60.5%	8,891	8,947	55	0.6%
61.7%	8,882	8,947	64	0.7%
63.0%	8,843	8,940	97	1.1%
64.2%	8,827	8,919	92	1.0%
65.4%	8,826	8,891	66	0.7%
66.7%	8,801	8,882	81	0.9%
67.9%	8,689	8,827	138	1.6%
69.1%	8,615	8,826	210	2.4%
70.4%	8,597	8,708	111	1.3%
71.6%	8,580	8,689	109	1.3%
72.8%	8,378	8,618	240	2.9%
74.1%	8,354	8,615	261	3.1%
75.3%	8,328	8,597	269	3.2%
76.5%	8,263	8,519	256	3.1%
77.8%	8,238	8,441	203	2.5%
79.0%	8,151	8,354	204	2.5%
80.2%	8,069	8,328	259	3.2%
81.5%	7,953	8,265	312	3.9%
82.7%	7,948	8,240	292	3.7%
84.0%	7,947	8,189	243	3.1%
85.2%	7,880	8,006	126	1.6%
86.4%	7,695	7,732	37	0.5%
87.7%	7,492	7,616	125	1.7%
88.9%	7,436	7,556	120	1.6%
90.1%	7,359	7,299	-60	-0.8%
91.4%	7,105	7,086	-19	-0.3%
92.6%	6,901	6,893	-8	-0.1%
93.8%	6,893	6,601	-292	-4.2%
95.1%	6,181	6,087	-94	-1.5%
96.3%	6,022	5,975	-47	-0.8%
97.5%	5,951	5,916	-35	-0.6%
98.8%	5,466	5,438	-28	-0.5%
100.0%	3,068	3,597	529	17.2%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,132	10,132	0	0.0%
27.2%	10,132	10,132	0	0.0%
28.4%	10,132	10,132	0	0.0%
29.6%	10,132	10,132	0	0.0%
30.9%	10,132	10,132	0	0.0%
32.1%	10,132	10,132	0	0.0%
33.3%	10,132	10,132	0	0.0%
34.6%	10,132	10,132	0	0.0%
35.8%	10,132	10,132	0	0.0%
37.0%	10,132	10,132	0	0.0%
38.3%	10,132	10,132	0	0.0%
39.5%	10,132	10,132	0	0.0%
40.7%	10,132	10,132	0	0.0%
42.0%	10,132	10,132	0	0.0%
43.2%	10,132	10,132	0	0.0%
44.4%	10,132	10,132	0	0.0%
45.7%	10,132	10,132	0	0.0%
46.9%	10,132	10,132	0	0.0%
48.1%	10,132	10,132	0	0.0%
49.4%	10,132	10,132	0	0.0%
50.6%	10,132	10,132	0	0.0%
51.9%	10,132	10,132	0	0.0%
53.1%	10,132	10,132	0	0.0%
54.3%	10,132	10,132	0	0.0%
55.6%	10,132	10,132	0	0.0%
56.8%	10,132	10,132	0	0.0%
58.0%	10,132	10,132	0	0.0%
59.3%	10,132	10,132	0	0.0%
60.5%	10,132	10,132	0	0.0%
61.7%	10,132	10,132	0	0.0%
63.0%	10,132	10,082	-49	-0.5%
64.2%	10,081	10,045	-36	-0.4%
65.4%	10,045	10,007	-38	-0.4%
66.7%	9,928	9,956	28	0.3%
67.9%	9,877	9,926	50	0.5%
69.1%	9,814	9,814	0	0.0%
70.4%	9,807	9,802	-5	0.0%
71.6%	9,802	9,767	-35	-0.4%
72.8%	9,645	9,705	60	0.6%
74.1%	9,607	9,699	91	1.0%
75.3%	9,568	9,610	42	0.4%
76.5%	9,441	9,435	-6	-0.1%
77.8%	9,106	9,413	307	3.4%
79.0%	8,831	9,393	562	6.4%
80.2%	8,754	9,236	482	5.5%
81.5%	8,665	9,061	396	4.6%
82.7%	8,654	8,979	325	3.8%
84.0%	8,482	8,831	349	4.1%
85.2%	8,431	8,461	31	0.4%
86.4%	8,095	8,172	77	1.0%
87.7%	7,826	8,085	259	3.3%
88.9%	7,736	7,466	-270	-3.5%
90.1%	7,509	7,402	-106	-1.4%
91.4%	7,438	7,389	-49	-0.7%
92.6%	7,403	7,355	-48	-0.6%
93.8%	7,155	7,098	-57	-0.8%
95.1%	6,871	6,800	-71	-1.0%
96.3%	6,845	6,543	-302	-4.4%
97.5%	6,157	6,133	-24	-0.4%
98.8%	5,955	5,957	2	0.0%
100.0%	2,825	3,198	373	13.2%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,171	11,171	0	0.0%
45.7%	11,171	11,171	0	0.0%
46.9%	11,171	11,171	0	0.0%
48.1%	11,171	11,171	0	0.0%
49.4%	11,171	11,171	0	0.0%
50.6%	11,171	11,171	0	0.0%
51.9%	11,171	11,171	0	0.0%
53.1%	11,171	11,171	0	0.0%
54.3%	11,171	11,171	0	0.0%
55.6%	11,171	11,171	0	0.0%
56.8%	11,171	11,116	-55	-0.5%
58.0%	11,171	11,080	-91	-0.8%
59.3%	10,982	10,978	-4	0.0%
60.5%	10,716	10,716	0	0.0%
61.7%	10,687	10,684	-3	0.0%
63.0%	10,470	10,520	51	0.5%
64.2%	10,453	10,351	-102	-1.0%
65.4%	10,349	10,314	-35	-0.3%
66.7%	10,309	10,297	-11	-0.1%
67.9%	10,259	10,289	29	0.3%
69.1%	10,252	10,271	19	0.2%
70.4%	10,208	10,216	8	0.1%
71.6%	10,129	10,162	33	0.3%
72.8%	9,955	10,117	162	1.6%
74.1%	9,845	9,845	0	0.0%
75.3%	9,734	9,811	77	0.8%
76.5%	9,717	9,804	87	0.9%
77.8%	9,674	9,758	84	0.9%
79.0%	9,588	9,680	92	1.0%
80.2%	9,404	9,588	184	2.0%
81.5%	9,137	9,334	197	2.2%
82.7%	9,036	9,216	180	2.0%
84.0%	8,758	8,648	-110	-1.3%
85.2%	8,322	8,233	-88	-1.1%
86.4%	8,205	8,135	-70	-0.8%
87.7%	8,078	8,070	-8	-0.1%
88.9%	7,968	7,950	-19	-0.2%
90.1%	7,851	7,812	-39	-0.5%
91.4%	7,842	7,520	-323	-4.1%
92.6%	7,433	7,373	-60	-0.8%
93.8%	7,315	7,336	21	0.3%
95.1%	7,183	7,165	-18	-0.3%
96.3%	6,784	6,469	-315	-4.7%
97.5%	6,130	6,110	-20	-0.3%
98.8%	5,984	5,097	-887	-14.8%
100.0%	2,957	3,086	130	4.4%

Table SW-26-9b
Folsom Lake, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,171	11,171	0	0.0%
1.2%	11,171	11,171	0	0.0%
2.5%	11,171	11,171	0	0.0%
3.7%	11,171	11,171	0	0.0%
4.9%	11,171	11,171	0	0.0%
6.2%	11,171	11,171	0	0.0%
7.4%	11,171	11,171	0	0.0%
8.6%	11,171	11,171	0	0.0%
9.9%	11,171	11,171	0	0.0%
11.1%	11,171	11,171	0	0.0%
12.3%	11,171	11,171	0	0.0%
13.6%	11,171	11,171	0	0.0%
14.8%	11,171	11,171	0	0.0%
16.0%	11,171	11,171	0	0.0%
17.3%	11,171	11,171	0	0.0%
18.5%	11,171	11,171	0	0.0%
19.8%	11,171	11,171	0	0.0%
21.0%	11,171	11,171	0	0.0%
22.2%	11,171	11,171	0	0.0%
23.5%	11,171	11,171	0	0.0%
24.7%	11,171	11,171	0	0.0%
25.9%	11,171	11,171	0	0.0%
27.2%	11,171	11,171	0	0.0%
28.4%	11,171	11,171	0	0.0%
29.6%	11,171	11,171	0	0.0%
30.9%	11,171	11,171	0	0.0%
32.1%	11,171	11,171	0	0.0%
33.3%	11,171	11,171	0	0.0%
34.6%	11,171	11,171	0	0.0%
35.8%	11,171	11,171	0	0.0%
37.0%	11,171	11,171	0	0.0%
38.3%	11,171	11,171	0	0.0%
39.5%	11,171	11,171	0	0.0%
40.7%	11,171	11,171	0	0.0%
42.0%	11,171	11,171	0	0.0%
43.2%	11,171	11,171	0	0.0%
44.4%	11,170	11,169	-1	0.0%
45.7%	11,170	11,162	-7	-0.1%
46.9%	11,168	11,146	-21	-0.2%
48.1%	11,162	11,139	-23	-0.2%
49.4%	11,133	11,133	0	0.0%
50.6%	11,104	11,098	-6	-0.1%
51.9%	11,081	11,067	-13	-0.1%
53.1%	11,067	11,008	-59	-0.5%
54.3%	10,947	11,007	60	0.5%
55.6%	10,808	10,990	182	1.7%
56.8%	10,697	10,947	250	2.3%
58.0%	10,639	10,883	244	2.3%
59.3%	10,398	10,464	67	0.6%
60.5%	10,297	10,398	101	1.0%
61.7%	10,293	10,341	47	0.5%
63.0%	10,269	10,173	-96	-0.9%
64.2%	10,119	10,088	-30	-0.3%
65.4%	9,962	9,987	25	0.3%
66.7%	9,929	9,788	-141	-1.4%
67.9%	9,748	9,764	16	0.2%
69.1%	9,735	9,712	-24	-0.2%
70.4%	9,692	9,607	-86	-0.9%
71.6%	9,554	9,597	43	0.4%
72.8%	9,412	9,554	143	1.5%
74.1%	9,389	9,473	83	0.9%
75.3%	9,308	9,389	81	0.9%
76.5%	9,253	9,299	46	0.5%
77.8%	8,951	9,221	270	3.0%
79.0%	8,822	9,179	358	4.1%
80.2%	8,762	9,075	313	3.6%
81.5%	8,691	8,759	68	0.8%
82.7%	8,639	8,731	91	1.1%
84.0%	8,471	8,632	161	1.9%
85.2%	7,993	7,895	-99	-1.2%
86.4%	7,928	7,763	-165	-2.1%
87.7%	7,834	7,578	-256	-3.3%
88.9%	7,469	7,550	80	1.1%
90.1%	7,412	7,438	26	0.3%
91.4%	7,315	7,410	95	1.3%
92.6%	7,059	7,255	197	2.8%
93.8%	6,540	7,168	627	9.6%
95.1%	6,523	6,289	-234	-3.6%
96.3%	6,148	6,278	130	2.1%
97.5%	5,824	5,991	167	2.9%
98.8%	4,142	5,090	948	22.9%
100.0%	2,522	2,641	119	4.7%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,023	11,023	0	0.0%
1.2%	11,023	11,023	0	0.0%
2.5%	11,023	11,023	0	0.0%
3.7%	11,023	11,023	0	0.0%
4.9%	11,023	11,023	0	0.0%
6.2%	11,023	11,023	0	0.0%
7.4%	11,023	11,023	0	0.0%
8.6%	11,023	11,023	0	0.0%
9.9%	11,023	11,023	0	0.0%
11.1%	11,023	11,023	0	0.0%
12.3%	11,023	10,976	-47	-0.4%
13.6%	11,023	10,917	-106	-1.0%
14.8%	11,023	10,901	-122	-1.1%
16.0%	11,023	10,870	-153	-1.4%
17.3%	10,920	10,868	-52	-0.5%
18.5%	10,868	10,841	-27	-0.2%
19.8%	10,801	10,841	40	0.4%
21.0%	10,773	10,835	62	0.6%
22.2%	10,641	10,826	185	1.7%
23.5%	10,571	10,812	241	2.3%
24.7%	10,552	10,727	175	1.7%
25.9%	10,512	10,558	45	0.4%
27.2%	10,401	10,495	94	0.9%
28.4%	10,145	10,442	297	2.9%
29.6%	10,115	10,296	182	1.8%
30.9%	10,100	10,263	163	1.6%
32.1%	10,097	10,262	164	1.6%
33.3%	10,082	10,224	142	1.4%
34.6%	10,058	10,216	157	1.6%
35.8%	10,026	10,191	164	1.6%
37.0%	10,014	10,183	170	1.7%
38.3%	9,961	10,144	182	1.8%
39.5%	9,949	10,082	133	1.3%
40.7%	9,914	10,080	166	1.7%
42.0%	9,897	10,033	136	1.4%
43.2%	9,889	10,012	123	1.2%
44.4%	9,825	9,935	111	1.1%
45.7%	9,817	9,897	80	0.8%
46.9%	9,812	9,870	57	0.6%
48.1%	9,757	9,812	55	0.6%
49.4%	9,734	9,757	23	0.2%
50.6%	9,723	9,732	9	0.1%
51.9%	9,556	9,718	162	1.7%
53.1%	9,535	9,704	169	1.8%
54.3%	9,411	9,693	282	3.0%
55.6%	9,410	9,640	230	2.4%
56.8%	9,322	9,557	235	2.5%
58.0%	9,270	9,535	266	2.9%
59.3%	9,016	9,459	443	4.9%
60.5%	8,689	9,270	581	6.7%
61.7%	8,580	9,134	554	6.5%
63.0%	8,422	9,003	581	6.9%
64.2%	8,389	8,664	275	3.3%
65.4%	8,153	8,648	495	6.1%
66.7%	8,125	8,387	262	3.2%
67.9%	8,059	8,312	253	3.1%
69.1%	7,941	8,243	302	3.8%
70.4%	7,850	8,088	238	3.0%
71.6%	7,816	8,086	270	3.5%
72.8%	7,744	8,056	311	4.0%
74.1%	7,629	8,001	372	4.9%
75.3%	7,622	7,998	376	4.9%
76.5%	7,551	7,969	418	5.5%
77.8%	7,456	7,964	508	6.8%
79.0%	7,249	7,726	477	6.6%
80.2%	7,211	7,657	446	6.2%
81.5%	7,193	7,498	305	4.2%
82.7%	7,001	7,480	479	6.8%
84.0%	6,980	7,030	49	0.7%
85.2%	6,745	6,900	155	2.3%
86.4%	6,689	6,797	108	1.6%
87.7%	6,681	6,795	114	1.7%
88.9%	6,633	6,771	138	2.1%
90.1%	6,301	6,720	419	6.6%
91.4%	6,213	6,603	390	6.3%
92.6%	6,077	6,593	516	8.5%
93.8%	5,943	6,154	211	3.6%
95.1%	5,941	6,087	146	2.4%
96.3%	5,906	5,723	-183	-3.1%
97.5%	4,288	4,954	666	15.5%
98.8%	3,380	4,525	1,144	33.9%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,132	10,132	0	0.0%
1.2%	10,132	10,132	0	0.0%
2.5%	10,132	10,132	0	0.0%
3.7%	10,132	10,132	0	0.0%
4.9%	10,132	10,132	0	0.0%
6.2%	10,132	10,132	0	0.0%
7.4%	10,132	10,132	0	0.0%
8.6%	10,132	10,132	0	0.0%
9.9%	10,132	10,132	0	0.0%
11.1%	10,132	10,132	0	0.0%
12.3%	10,132	10,132	0	0.0%
13.6%	10,132	10,132	0	0.0%
14.8%	10,132	10,132	0	0.0%
16.0%	10,132	10,132	0	0.0%
17.3%	10,132	10,132	0	0.0%
18.5%	10,132	10,132	0	0.0%
19.8%	10,132	10,132	0	0.0%
21.0%	10,132	10,132	0	0.0%
22.2%	10,132	10,132	0	0.0%
23.5%	10,132	10,132	0	0.0%
24.7%	10,132	10,132	0	0.0%
25.9%	10,078	10,049	-29	-0.3%
27.2%	10,016	10,028	12	0.1%
28.4%	9,925	9,940	15	0.1%
29.6%	9,784	9,854	69	0.7%
30.9%	9,781	9,777	-4	0.0%
32.1%	9,772	9,772	0	0.0%
33.3%	9,762	9,751	-11	-0.1%
34.6%	9,653	9,742	89	0.9%
35.8%	9,622	9,730	107	1.1%
37.0%	9,573	9,698	124	1.3%
38.3%	9,543	9,689	146	1.5%
39.5%	9,535	9,684	149	1.6%
40.7%	9,516	9,661	145	1.5%
42.0%	9,467	9,609	142	1.5%
43.2%	9,241	9,503	262	2.8%
44.4%	9,211	9,489	278	3.0%
45.7%	9,053	9,476	422	4.7%
46.9%	9,004	9,475	471	5.2%
48.1%	8,875	9,419	544	6.1%
49.4%	8,871	9,269	398	4.5%
50.6%	8,859	9,176	317	3.6%
51.9%	8,852	9,151	299	3.4%
53.1%	8,759	9,110	351	4.0%
54.3%	8,713	9,021	308	3.5%
55.6%	8,451	8,918	467	5.5%
56.8%	8,441	8,826	385	4.6%
58.0%	8,336	8,689	353	4.2%
59.3%	8,282	8,689	407	4.9%
60.5%	8,160	8,689	529	6.5%
61.7%	8,022	8,496	475	5.9%
63.0%	7,981	8,452	471	5.9%
64.2%	7,928	8,344	416	5.3%
65.4%	7,529	8,083	554	7.4%
66.7%	7,509	7,996	487	6.5%
67.9%	7,505	7,752	246	3.3%
69.1%	7,323	7,728	405	5.5%
70.4%	7,179	7,558	379	5.3%
71.6%	7,087	7,308	220	3.1%
72.8%	6,985	7,229	244	3.5%
74.1%	6,957	7,182	225	3.2%
75.3%	6,929	7,175	246	3.6%
76.5%	6,858	7,172	314	4.6%
77.8%	6,725	7,155	430	6.4%
79.0%	6,658	7,126	468	7.0%
80.2%	6,617	7,052	435	6.6%
81.5%	6,570	6,860	289	4.4%
82.7%	6,542	6,644	102	1.6%
84.0%	6,465	6,586	122	1.9%
85.2%	6,420	6,421	1	0.0%
86.4%	6,116	6,292	176	2.9%
87.7%	6,049	6,143	95	1.6%
88.9%	5,974	6,120	146	2.4%
90.1%	5,917	6,061	144	2.4%
91.4%	5,905	5,846	-59	-1.0%
92.6%	5,837	5,807	-29	-0.5%
93.8%	5,478	5,787	309	5.6%
95.1%	5,284	5,514	230	4.4%
96.3%	5,115	5,466	351	6.9%
97.5%	2,389	4,073	1,684	70.5%
98.8%	2,091	2,393	302	14.5%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,149	9,149	0	0.0%
1.2%	9,149	9,149	0	0.0%
2.5%	9,149	9,149	0	0.0%
3.7%	9,149	9,149	0	0.0%
4.9%	9,149	9,149	0	0.0%
6.2%	9,149	9,149	0	0.0%
7.4%	9,149	9,149	0	0.0%
8.6%	9,149	9,149	0	0.0%
9.9%	9,149	9,149	0	0.0%
11.1%	9,149	9,149	0	0.0%
12.3%	9,149	9,149	0	0.0%
13.6%	9,149	9,149	0	0.0%
14.8%	9,146	9,149	4	0.0%
16.0%	9,129	9,149	21	0.2%
17.3%	9,113	9,149	36	0.4%
18.5%	9,103	9,149	46	0.5%
19.8%	9,103	9,149	46	0.5%
21.0%	9,098	9,149	51	0.6%
22.2%	9,095	9,149	54	0.6%
23.5%	9,041	9,149	109	1.2%
24.7%	9,040	9,149	110	1.2%
25.9%	9,032	9,149	118	1.3%
27.2%	8,996	9,149	153	1.7%
28.4%	8,966	9,149	183	2.0%
29.6%	8,958	9,149	191	2.1%
30.9%	8,924	9,149	226	2.5%
32.1%	8,785	9,149	365	4.2%
33.3%	8,773	9,149	377	4.3%
34.6%	8,762	9,103	341	3.9%
35.8%	8,687	9,096	409	4.7%
37.0%	8,621	9,056	435	5.0%
38.3%	8,610	9,009	399	4.6%
39.5%	8,583	8,995	412	4.8%
40.7%	8,548	8,961	413	4.8%
42.0%	8,542	8,821	279	3.3%
43.2%	8,539	8,821	281	3.3%
44.4%	8,454	8,807	353	4.2%
45.7%	8,382	8,792	410	4.9%
46.9%	8,277	8,774	498	6.0%
48.1%	8,205	8,712	508	6.2%
49.4%	8,107	8,689	582	7.2%
50.6%	8,107	8,689	582	7.2%
51.9%	8,100	8,689	589	7.3%
53.1%	8,084	8,661	577	7.1%
54.3%	8,023	8,627	604	7.5%
55.6%	7,955	8,609	654	8.2%
56.8%	7,935	8,427	492	6.2%
58.0%	7,752	8,379	626	8.1%
59.3%	7,714	8,297	583	7.6%
60.5%	7,690	7,992	302	3.9%
61.7%	7,604	7,975	371	4.9%
63.0%	7,291	7,776	485	6.7%
64.2%	7,189	7,771	582	8.1%
65.4%	7,029	7,593	564	8.0%
66.7%	6,990	7,589	600	8.6%
67.9%	6,988	7,398	411	5.9%
69.1%	6,836	7,355	519	7.6%
70.4%	6,802	7,149	347	5.1%
71.6%	6,730	7,098	369	5.5%
72.8%	6,684	7,002	318	4.8%
74.1%	6,639	6,970	332	5.0%
75.3%	6,609	6,962	353	5.3%
76.5%	6,560	6,910	350	5.3%
77.8%	6,542	6,876	334	5.1%
79.0%	6,463	6,857	393	6.1%
80.2%	6,450	6,766	316	4.9%
81.5%	6,402	6,453	50	0.8%
82.7%	6,375	6,428	52	0.8%
84.0%	6,260	6,351	91	1.4%
85.2%	6,124	6,278	154	2.5%
86.4%	5,988	5,930	-58	-1.0%
87.7%	5,801	5,930	129	2.2%
88.9%	5,691	5,915	224	3.9%
90.1%	5,535	5,897	362	6.5%
91.4%	5,472	5,609	137	2.5%
92.6%	5,437	5,595	158	2.9%
93.8%	5,158	5,564	406	7.9%
95.1%	4,921	5,183	262	5.3%
96.3%	2,842	4,722	1,881	66.2%
97.5%	2,091	2,764	673	32.2%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

Table SW-27-9a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,498	2,745	3,268	4,368	5,068	3,686	3,255	3,461	3,526	3,640	2,501	2,679
Alternative D	1,557	2,819	3,384	4,425	5,088	3,722	3,294	3,516	3,436	3,349	2,524	2,547
Difference	59	74	116	57	19	36	40	55	-90	-291	24	-132
Percent Difference[3]	3.9%	2.7%	3.5%	1.3%	0.4%	1.0%	1.2%	1.6%	-2.5%	-8.0%	0.9%	-4.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,634	3,901	3,618	8,626	9,123	6,055	5,197	5,968	5,780	3,898	3,267	4,293
Alternative D	1,776	3,999	3,721	8,681	9,141	6,058	5,197	5,967	5,768	3,721	3,348	3,863
Difference	142	98	103	55	18	3	-1	0	-12	-177	81	-430
Percent Difference	8.7%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.5%	2.5%	-10.0%
Above Normal (15%)												
No Action Alternative	1,525	2,743	2,900	4,521	6,203	5,332	3,454	3,649	3,255	4,415	2,632	3,088
Alternative D	1,517	2,786	3,062	4,722	6,303	5,381	3,452	3,648	3,259	4,140	2,597	2,928
Difference	-8	43	162	202	100	50	-2	-1	3	-274	-35	-160
Percent Difference	-0.5%	1.6%	5.6%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.2%	-1.3%	-5.2%
Below Normal (17%)												
No Action Alternative	1,649	3,356	3,983	2,273	4,139	2,387	2,972	2,799	2,637	4,835	2,397	2,060
Alternative D	1,673	3,442	3,991	2,384	4,069	2,411	3,087	2,857	2,618	4,128	2,494	2,292
Difference	24	86	8	110	-70	25	115	58	-19	-707	97	233
Percent Difference	1.4%	2.6%	0.2%	4.9%	-1.7%	1.0%	3.9%	2.1%	-0.7%	-14.6%	4.0%	11.3%
Dry (22%)												
No Action Alternative	1,439	1,771	4,027	1,709	1,773	2,010	1,907	1,715	2,372	3,254	2,308	1,593
Alternative D	1,448	1,889	4,290	1,607	1,822	2,089	1,920	1,764	2,213	3,041	2,208	1,566
Difference	9	118	262	-101	49	80	13	49	-159	-212	-100	-27
Percent Difference	0.6%	6.7%	6.5%	-5.9%	2.8%	4.0%	0.7%	2.8%	-6.7%	-6.5%	-4.3%	-1.7%
Critical (15%)												
No Action Alternative	1,089	990	906	1,423	1,175	939	1,197	1,234	1,679	1,493	1,118	1,123
Alternative D	1,149	964	910	1,517	1,177	982	1,319	1,471	1,349	1,305	1,178	1,082
Difference	60	-26	4	95	1	43	122	237	-329	-188	60	-41
Percent Difference	5.5%	-2.6%	0.5%	6.7%	0.1%	4.6%	10.2%	19.2%	-19.6%	-12.6%	5.4%	-3.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-27-9b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

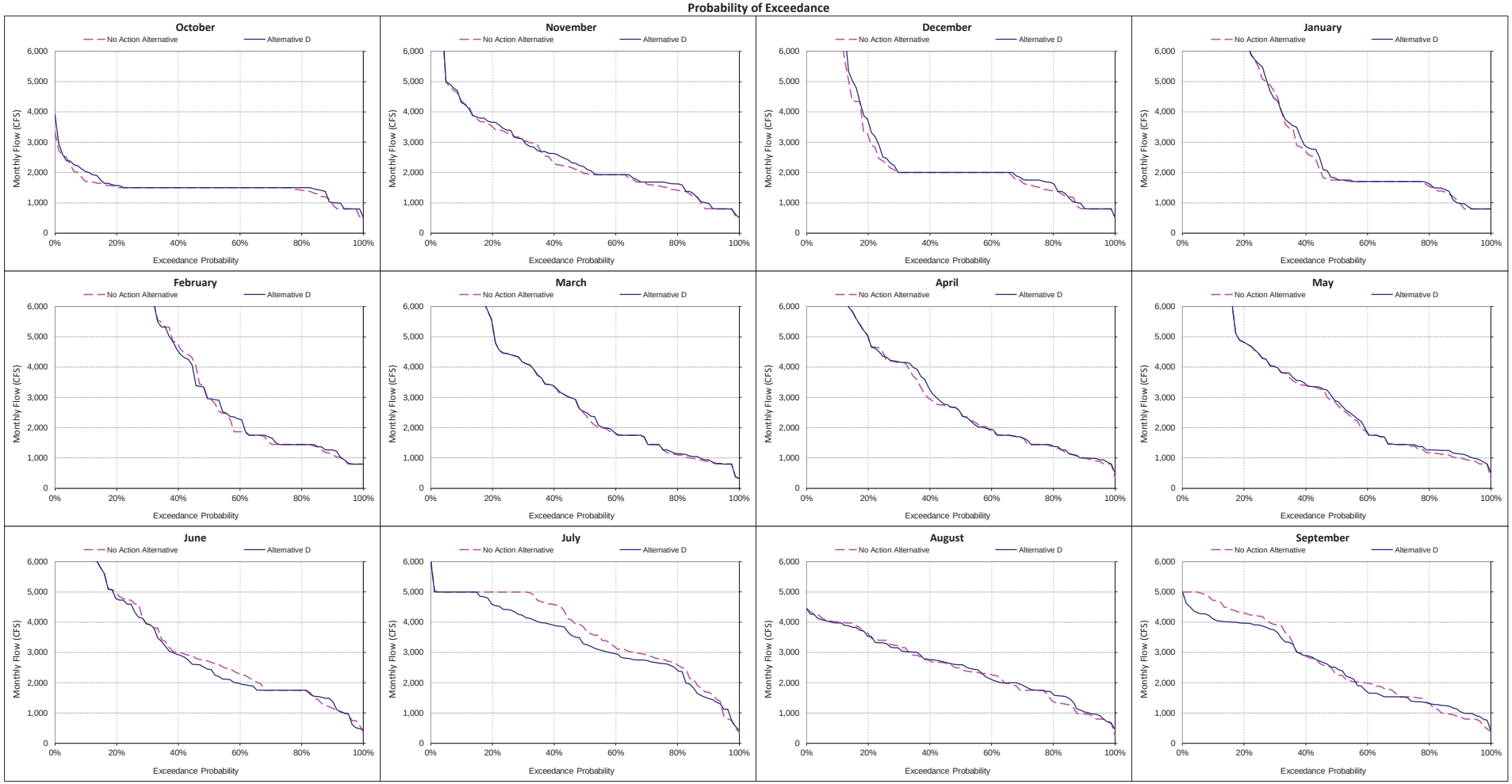

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,337	3,918	581	17.4%
1.2%	2,727	2,959	232	8.5%
2.5%	2,572	2,606	34	1.3%
3.7%	2,503	2,390	-112	-4.5%
4.9%	2,265	2,375	110	4.9%
6.2%	2,035	2,250	215	10.6%
7.4%	1,999	2,222	223	11.2%
8.6%	1,841	2,118	277	15.1%
9.9%	1,712	2,035	323	18.8%
11.1%	1,690	1,998	308	18.2%
12.3%	1,687	1,917	230	13.7%
13.6%	1,654	1,905	251	15.2%
14.8%	1,640	1,750	110	6.7%
16.0%	1,597	1,640	43	2.7%
17.3%	1,567	1,639	72	4.6%
18.5%	1,563	1,603	40	2.6%
19.8%	1,534	1,567	33	2.1%
21.0%	1,500	1,567	67	4.4%
22.2%	1,500	1,500	0	0.0%
23.5%	1,500	1,500	0	0.0%
24.7%	1,500	1,500	0	0.0%
25.9%	1,500	1,500	0	0.0%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,442	1,500	58	4.0%
79.0%	1,428	1,500	72	5.0%
80.2%	1,409	1,500	91	6.5%
81.5%	1,388	1,500	112	8.1%
82.7%	1,371	1,500	129	9.4%
84.0%	1,318	1,454	137	10.4%
85.2%	1,286	1,429	143	11.1%
86.4%	1,205	1,406	201	16.7%
87.7%	1,196	1,374	178	14.9%
88.9%	1,119	1,029	-89	-8.0%
90.1%	918	1,008	90	9.8%
91.4%	800	996	196	24.5%
92.6%	800	982	182	22.7%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	537	800	263	49.0%
100.0%	500	500	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,253	17,253	0	0.0%
1.2%	15,041	15,041	0	0.0%
2.5%	7,978	7,978	0	0.0%
3.7%	6,795	7,103	309	4.5%
4.9%	5,000	4,995	-5	-0.1%
6.2%	4,822	4,926	104	2.2%
7.4%	4,716	4,788	72	1.5%
8.6%	4,634	4,706	72	1.5%
9.9%	4,380	4,316	-63	-1.4%
11.1%	4,248	4,243	-5	-0.1%
12.3%	4,205	4,115	-90	-2.1%
13.6%	3,886	3,886	0	0.0%
14.8%	3,786	3,839	53	1.4%
16.0%	3,680	3,796	116	3.1%
17.3%	3,676	3,794	118	3.2%
18.5%	3,621	3,692	71	2.0%
19.8%	3,532	3,657	125	3.5%
21.0%	3,407	3,655	248	7.3%
22.2%	3,407	3,566	159	4.7%
23.5%	3,378	3,457	80	2.4%
24.7%	3,306	3,404	98	3.0%
25.9%	3,250	3,395	145	4.5%
27.2%	3,186	3,162	-24	-0.8%
28.4%	3,177	3,132	-45	-1.4%
29.6%	3,058	3,113	55	1.8%
30.9%	3,045	2,943	-101	-3.3%
32.1%	2,980	2,859	-122	-4.1%
33.3%	2,974	2,836	-138	-4.6%
34.6%	2,908	2,720	-188	-6.5%
35.8%	2,685	2,686	1	0.1%
37.0%	2,544	2,685	141	5.5%
38.3%	2,521	2,632	112	4.4%
39.5%	2,364	2,626	262	11.1%
40.7%	2,261	2,603	342	15.1%
42.0%	2,246	2,527	281	12.5%
43.2%	2,216	2,470	254	11.5%
44.4%	2,206	2,419	213	9.7%
45.7%	2,163	2,321	158	7.3%
46.9%	2,100	2,300	201	9.6%
48.1%	2,098	2,227	129	6.1%
49.4%	1,979	2,206	228	11.5%
50.6%	1,956	2,100	145	7.4%
51.9%	1,925	2,057	132	6.9%
53.1%	1,925	1,949	24	1.3%
54.3%	1,925	1,925	0	0.0%
55.6%	1,925	1,925	0	0.0%
56.8%	1,925	1,925	0	0.0%
58.0%	1,925	1,925	0	0.0%
59.3%	1,925	1,925	0	0.0%
60.5%	1,925	1,925	0	0.0%
61.7%	1,925	1,925	0	0.0%
63.0%	1,925	1,925	0	0.0%
64.2%	1,815	1,925	110	6.1%
65.4%	1,773	1,824	51	2.9%
66.7%	1,683	1,770	87	5.2%
67.9%	1,683	1,690	7	0.4%
69.1%	1,683	1,683	0	0.0%
70.4%	1,597	1,683	87	5.4%
71.6%	1,589	1,683	94	5.9%
72.8%	1,570	1,683	113	7.2%
74.1%	1,561	1,683	122	7.8%
75.3%	1,523	1,681	158	10.4%
76.5%	1,511	1,659	148	9.8%
77.8%	1,442	1,637	194	13.5%
79.0%	1,428	1,627	198	13.9%
80.2%	1,409	1,626	217	15.4%
81.5%	1,388	1,584	197	14.2%
82.7%	1,371	1,374	3	0.2%
84.0%	1,286	1,371	85	6.6%
85.2%	1,205	1,296	91	7.5%
86.4%	1,196	1,162	-34	-2.8%
87.7%	985	1,029	44	4.5%
88.9%	800	1,008	208	26.0%
90.1%	800	982	182	22.7%
91.4%	800	812	12	1.5%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	567	617	50	8.8%
100.0%	506	500	-6	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,806	20,524	718	3.6%
1.2%	16,694	17,085	391	2.3%
2.5%	15,826	15,799	-27	-0.2%
3.7%	15,819	15,786	-33	-0.2%
4.9%	13,854	13,850	-5	0.0%
6.2%	12,876	13,641	765	5.9%
7.4%	9,069	9,124	55	0.6%
8.6%	8,809	8,797	-13	-0.1%
9.9%	7,228	7,228	0	0.0%
11.1%	6,653	6,655	2	0.0%
12.3%	5,722	6,653	930	16.3%
13.6%	5,079	5,338	259	5.1%
14.8%	4,368	5,028	660	15.1%
16.0%	4,345	4,802	458	10.5%
17.3%	4,340	4,312	-28	-0.6%
18.5%	3,325	3,878	553	16.6%
19.8%	3,291	3,762	471	14.3%
21.0%	2,909	3,320	411	14.1%
22.2%	2,828	3,177	348	12.3%
23.5%	2,466	2,909	443	17.9%
24.7%	2,388	2,510	122	5.1%
25.9%	2,287	2,466	179	7.8%
27.2%	2,156	2,307	151	7.0%
28.4%	2,091	2,231	140	6.7%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,886	2,000	114	6.0%
67.9%	1,750	1,896	146	8.3%
69.1%	1,750	1,840	90	5.1%
70.4%	1,632	1,757	125	7.7%
71.6%	1,595	1,750	155	9.7%
72.8%	1,583	1,750	167	10.5%
74.1%	1,532	1,750	218	14.3%
75.3%	1,515	1,747	232	15.3%
76.5%	1,442	1,717	275	19.0%
77.8%	1,428	1,687	258	18.1%
79.0%	1,409	1,673	264	18.7%
80.2%	1,388	1,615	227	16.4%
81.5%	1,371	1,374	3	0.2%
82.7%	1,286	1,371	85	6.6%
84.0%	1,205	1,296	91	7.5%
85.2%	1,196	1,145	-51	-4.3%
86.4%	1,184	1,029	-155	-13.1%
87.7%	884	1,008	124	14.0%
88.9%	800	982	182	22.7%
90.1%	800	812	12	1.5%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	519	517	-1	-0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,335	30,635	-700	-2.2%
1.2%	20,373	20,373	0	0.0%
2.5%	17,680	17,670	-10	-0.1%
3.7%	15,659	15,767	108	0.7%
4.9%	14,688	15,659	971	6.6%
6.2%	13,013	13,013	0	0.0%
7.4%	11,631	11,631	0	0.0%
8.6%	10,783	10,783	0	0.0%
9.9%	10,424	10,482	58	0.6%
11.1%	10,105	10,479	373	3.7%
12.3%	9,283	9,281	-2	0.0%
13.6%	9,138	9,138	0	0.0%
14.8%	8,914	8,914	0	0.0%
16.0%	7,889	7,884	-5	-0.1%
17.3%	7,553	7,498	-55	-0.7%
18.5%	6,772	6,696	-76	-1.1%
19.8%	6,713	6,596	-117	-1.7%
21.0%	6,262	6,294	33	0.5%
22.2%	5,887	5,907	20	0.3%
23.5%	5,724	5,724	0	0.0%
24.7%	5,483	5,598	115	2.1%
25.9%	5,086	5,483	397	7.8%
27.2%	5,013	5,073	60	1.2%
28.4%	4,879	4,695	-185	-3.8%
29.6%	4,702	4,454	-248	-5.3%
30.9%	4,454	4,361	-93	-2.1%
32.1%	4,017	4,012	-5	-0.1%
33.3%	3,589	3,753	164	4.6%
34.6%	3,465	3,647	182	5.3%
35.8%	3,450	3,544	94	2.7%
37.0%	2,889	3,491	601	20.8%
38.3%	2,849	3,176	327	11.5%
39.5%	2,764	2,906	142	5.1%
40.7%	2,590	2,812	223	8.6%
42.0%	2,538	2,774	237	9.3%
43.2%	2,441	2,764	323	13.2%
44.4%	2,099	2,505	406	19.3%
45.7%	1,818	2,087	269	14.8%
46.9%	1,780	2,068	288	16.2%
48.1%	1,750	1,842	92	5.3%
49.4%	1,750	1,829	79	4.5%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,728	1,750	22	1.2%
54.3%	1,700	1,750	50	2.9%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,603	1,673	69	4.3%
80.2%	1,532	1,611	80	5.2%
81.5%	1,488	1,488	0	0.0%
82.7%	1,388	1,488	100	7.2%
84.0%	1,387	1,485	98	7.1%
85.2%	1,356	1,434	77	5.7%
86.4%	1,288	1,374	86	6.7%
87.7%	1,214	1,101	-113	-9.3%
88.9%	1,093	1,008	-85	-7.8%
90.1%	972	974	2	0.2%
91.4%	800	973	173	21.6%
92.6%	800	875	75	9.4%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,184	32,180	-4	0.0%
1.2%	15,713	15,582	-131	-0.8%
2.5%	13,719	13,719	0	0.0%
3.7%	13,467	13,478	11	0.1%
4.9%	13,432	13,437	5	0.0%
6.2%	13,208	13,198	-10	-0.1%
7.4%	12,504	12,711	207	1.7%
8.6%	12,386	12,386	0	0.0%
9.9%	11,429	11,424	-5	0.0%
11.1%	11,154	11,154	0	0.0%
12.3%	10,888	10,888	0	0.0%
13.6%	10,509	10,509	0	0.0%
14.8%	10,034	10,034	-1	0.0%
16.0%	9,949	9,949	0	0.0%
17.3%	9,690	9,690	0	0.0%
18.5%	9,477	9,477	0	0.0%
19.8%	9,309	9,306	-2	0.0%
21.0%	8,067	8,624	558	6.9%
22.2%	7,930	7,930	0	0.0%
23.5%	7,769	7,426	-343	-4.4%
24.7%	7,249	7,249	0	0.0%
25.9%	7,124	7,122	-2	0.0%
27.2%	6,827	7,076	249	3.7%
28.4%	6,483	6,673	190	2.9%
29.6%	6,250	6,250	0	0.0%
30.9%	6,225	6,225	0	0.0%
32.1%	6,101	6,102	1	0.0%
33.3%	5,552	5,484	-68	-1.2%
34.6%	5,484	5,328	-156	-2.8%
35.8%	5,328	5,317	-11	-0.2%
37.0%	5,317	5,015	-302	-5.7%
38.3%	4,844	4,844	-1	0.0%
39.5%	4,835	4,592	-242	-5.0%
40.7%	4,593	4,416	-178	-3.9%
42.0%	4,471	4,316	-155	-3.5%
43.2%	4,416	4,257	-159	-3.6%
44.4%	4,316	4,063	-253	-5.9%
45.7%	4,063	3,382	-681	-16.8%
46.9%	3,440	3,367	-73	-2.1%
48.1%	3,390	3,338	-52	-1.5%
49.4%	3,005	2,957	-48	-1.6%
50.6%	2,927	2,951	24	0.8%
51.9%	2,802	2,922	120	4.3%
53.1%	2,548	2,903	355	13.9%
54.3%	2,476	2,534	58	2.4%
55.6%	2,471	2,475	4	0.2%
56.8%	2,260	2,371	112	4.9%
58.0%	1,869	2,352	483	25.9%
59.3%	1,864	2,294	430	23.1%
60.5%	1,863	2,260	396	21.3%
61.7%	1,822	1,866	44	2.4%
63.0%	1,750	1,754	4	0.2%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,700	1,750	50	2.9%
69.1%	1,521	1,700	179	11.8%
70.4%	1,445	1,648	203	14.0%
71.6%	1,445	1,499	54	3.8%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,388	1,445	57	4.1%
85.2%	1,363	1,374	12	0.8%
86.4%	1,264	1,370	105	8.3%
87.7%	1,179	1,264	85	7.2%
88.9%	1,153	1,264	112	9.7%
90.1%	1,095	1,262	168	15.3%
91.4%	1,033	1,219	186	18.0%
92.6%	1,032	1,008	-24	-2.3%
93.8%	929	936	7	0.8%
95.1%	800	827	27	3.4%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,578	16,583	6	0.0%
1.2%	15,964	15,964	0	0.0%
2.5%	11,993	12,362	369	3.1%
3.7%	11,925	11,993	67	0.6%
4.9%	11,784	11,925	141	1.2%
6.2%	10,972	10,972	0	0.0%
7.4%	10,571	10,581	10	0.1%
8.6%	8,949	8,949	0	0.0%
9.9%	7,799	8,383	584	7.5%
11.1%	7,677	7,791	114	1.5%
12.3%	7,243	7,243	0	0.0%
13.6%	6,620	6,620	0	0.0%
14.8%	6,390	6,390	0	0.0%
16.0%	6,154	6,154	0	0.0%
17.3%	6,122	6,122	0	0.0%
18.5%	5,855	5,855	0	0.0%
19.8%	5,555	5,561	6	0.1%
21.0%	4,798	4,798	0	0.0%
22.2%	4,554	4,554	0	0.0%
23.5%	4,467	4,467	0	0.0%
24.7%	4,458	4,452	-6	-0.1%
25.9%	4,407	4,402	-5	-0.1%
27.2%	4,379	4,373	-6	-0.1%
28.4%	4,336	4,336	0	0.0%
29.6%	4,178	4,178	0	0.0%
30.9%	4,113	4,113	0	0.0%
32.1%	4,073	4,070	-2	-0.1%
33.3%	3,946	3,925	-21	-0.5%
34.6%	3,725	3,741	16	0.4%
35.8%	3,649	3,649	0	0.0%
37.0%	3,442	3,442	0	0.0%
38.3%	3,429	3,429	0	0.0%
39.5%	3,399	3,399	0	0.0%
40.7%	3,295	3,295	0	0.0%
42.0%	3,101	3,165	64	2.1%
43.2%	3,100	3,098	-2	-0.1%
44.4%	3,022	3,012	-10	-0.3%
45.7%	2,979	2,986	7	0.2%
46.9%	2,932	2,932	0	0.0%
48.1%	2,618	2,619	1	0.0%
49.4%	2,500	2,544	44	1.8%
50.6%	2,377	2,486	109	4.6%
51.9%	2,190	2,377	187	8.5%
53.1%	2,085	2,365	280	13.4%
54.3%	2,010	2,084	74	3.7%
55.6%	1,996	2,010	14	0.7%
56.8%	1,969	1,994	26	1.3%
58.0%	1,872	1,969	97	5.2%
59.3%	1,854	1,872	18	1.0%
60.5%	1,750	1,773	23	1.3%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,742	1,750	8	0.5%
69.1%	1,700	1,700	0	0.0%
70.4%	1,460	1,445	-15	-1.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,437	-8	-0.6%
75.3%	1,264	1,264	0	0.0%
76.5%	1,179	1,262	83	7.1%
77.8%	1,143	1,219	76	6.6%
79.0%	1,123	1,153	30	2.7%
80.2%	1,098	1,142	43	3.9%
81.5%	1,095	1,135	40	3.7%
82.7%	1,032	1,113	81	7.8%
84.0%	1,001	1,061	60	6.0%
85.2%	979	1,049	70	7.2%
86.4%	958	1,047	89	9.3%
87.7%	929	980	51	5.4%
88.9%	895	937	43	4.8%
90.1%	884	936	52	5.9%
91.4%	838	867	29	3.5%
92.6%	800	824	24	3.0%
93.8%	800	819	19	2.4%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	380	380	0	0.0%
100.0%	317	317	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,403	14,403	0	0.0%
1.2%	10,186	10,186	0	0.0%
2.5%	8,463	8,463	0	0.0%
3.7%	7,712	7,712	0	0.0%
4.9%	7,526	7,526	0	0.0%
6.2%	6,983	6,983	0	0.0%
7.4%	6,728	6,732	3	0.1%
8.6%	6,683	6,683	0	0.0%
9.9%	6,561	6,561	0	0.0%
11.1%	6,327	6,327	0	0.0%
12.3%	6,325	6,325	0	0.0%
13.6%	5,990	5,990	0	0.0%
14.8%	5,835	5,835	0	0.0%
16.0%	5,594	5,594	0	0.0%
17.3%	5,400	5,400	0	0.0%
18.5%	5,201	5,201	0	0.0%
19.8%	5,050	5,049	-1	0.0%
21.0%	4,684	4,657	-27	-0.6%
22.2%	4,657	4,621	-36	-0.8%
23.5%	4,629	4,507	-121	-2.6%
24.7%	4,507	4,361	-147	-3.3%
25.9%	4,212	4,319	106	2.5%
27.2%	4,208	4,225	17	0.4%
28.4%	4,179	4,201	22	0.5%
29.6%	4,153	4,179	27	0.6%
30.9%	4,152	4,153	1	0.0%
32.1%	4,127	4,152	25	0.6%
33.3%	3,927	4,127	200	5.1%
34.6%	3,702	3,985	283	7.7%
35.8%	3,594	3,927	333	9.3%
37.0%	3,332	3,691	359	10.8%
38.3%	3,122	3,594	472	15.1%
39.5%	2,975	3,332	357	12.0%
40.7%	2,893	3,123	230	7.9%
42.0%	2,781	3,004	223	8.0%
43.2%	2,758	2,893	136	4.9%
44.4%	2,746	2,781	35	1.3%
45.7%	2,686	2,758	71	2.7%
46.9%	2,677	2,668	-9	-0.3%
48.1%	2,668	2,668	0	0.0%
49.4%	2,581	2,581	0	0.0%
50.6%	2,380	2,375	-5	-0.2%
51.9%	2,357	2,348	-9	-0.4%
53.1%	2,240	2,240	0	0.0%
54.3%	2,202	2,112	-89	-4.1%
55.6%	2,112	2,031	-81	-3.8%
56.8%	2,058	2,030	-28	-1.4%
58.0%	2,032	1,989	-44	-2.1%
59.3%	1,926	1,955	30	1.5%
60.5%	1,873	1,926	53	2.8%
61.7%	1,754	1,769	15	0.9%
63.0%	1,750	1,750	0	0.0%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,731	1,737	7	0.4%
67.9%	1,720	1,701	-19	-1.1%
69.1%	1,700	1,700	0	0.0%
70.4%	1,637	1,649	12	0.7%
71.6%	1,445	1,581	136	9.4%
72.8%	1,445	1,445	0	0.0%
74.1%	1,445	1,445	0	0.0%
75.3%	1,445	1,445	0	0.0%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,388	1,445	57	4.1%
80.2%	1,386	1,374	-12	-0.8%
81.5%	1,318	1,374	57	4.3%
82.7%	1,264	1,264	0	0.0%
84.0%	1,179	1,262	83	7.1%
85.2%	1,143	1,135	-8	-0.7%
86.4%	1,098	1,113	15	1.3%
87.7%	1,088	1,061	-28	-2.5%
88.9%	1,032	1,000	-32	-3.1%
90.1%	1,001	1,000	-1	-0.1%
91.4%	958	1,000	42	4.4%
92.6%	929	989	60	6.5%
93.8%	895	980	85	9.5%
95.1%	884	940	56	6.3%
96.3%	800	936	136	17.0%
97.5%	800	865	65	8.2%
98.8%	800	800	0	0.0%
100.0%	357	514	157	43.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,266	11,266	0	0.0%
1.2%	11,119	11,119	0	0.0%
2.5%	10,196	10,196	0	0.0%
3.7%	9,745	9,745	0	0.0%
4.9%	9,307	9,307	0	0.0%
6.2%	9,099	9,099	0	0.0%
7.4%	9,049	9,049	0	0.0%
8.6%	8,905	8,905	0	0.0%
9.9%	8,114	8,114	0	0.0%
11.1%	8,002	8,002	0	0.0%
12.3%	6,831	6,831	0	0.0%
13.6%	6,635	6,635	0	0.0%
14.8%	6,428	6,428	0	0.0%
16.0%	6,123	6,123	0	0.0%
17.3%	5,126	5,111	-15	-0.3%
18.5%	4,892	4,892	0	0.0%
19.8%	4,834	4,834	0	0.0%
21.0%	4,760	4,760	0	0.0%
22.2%	4,687	4,687	0	0.0%
23.5%	4,563	4,563	0	0.0%
24.7%	4,453	4,453	0	0.0%
25.9%	4,291	4,296	6	0.1%
27.2%	4,273	4,255	-18	-0.4%
28.4%	4,064	4,041	-23	-0.6%
29.6%	4,026	4,026	0	0.0%
30.9%	3,958	3,983	25	0.6%
32.1%	3,810	3,822	12	0.3%
33.3%	3,805	3,810	5	0.1%
34.6%	3,665	3,805	141	3.8%
35.8%	3,550	3,665	115	3.2%
37.0%	3,473	3,562	89	2.6%
38.3%	3,415	3,550	135	3.9%
39.5%	3,399	3,473	74	2.2%
40.7%	3,371	3,371	0	0.0%
42.0%	3,354	3,359	5	0.2%
43.2%	3,345	3,354	8	0.2%
44.4%	3,277	3,345	68	2.1%
45.7%	3,267	3,277	11	0.3%
46.9%	2,995	3,238	243	8.1%
48.1%	2,894	3,075	180	6.2%
49.4%	2,853	2,894	42	1.5%
50.6%	2,709	2,851	142	5.2%
51.9%	2,575	2,709	134	5.2%
53.1%	2,508	2,575	68	2.7%
54.3%	2,394	2,497	103	4.3%
55.6%	2,287	2,394	106	4.6%
56.8%	2,204	2,286	83	3.7%
58.0%	1,970	2,205	235	11.9%
59.3%	1,900	1,970	69	3.7%
60.5%	1,750	1,750	0	0.0%
61.7%	1,750	1,750	0	0.0%
63.0%	1,750	1,750	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,460	1,470	10	0.7%
67.9%	1,445	1,464	19	1.3%
69.1%	1,445	1,445	0	0.0%
70.4%	1,445	1,445	0	0.0%
71.6%	1,445	1,445	0	0.0%
72.8%	1,445	1,445	0	0.0%
74.1%	1,388	1,445	57	4.1%
75.3%	1,386	1,437	51	3.7%
76.5%	1,284	1,374	90	7.0%
77.8%	1,281	1,374	93	7.3%
79.0%	1,179	1,264	85	7.2%
80.2%	1,174	1,264	90	7.7%
81.5%	1,153	1,262	110	9.5%
82.7%	1,143	1,259	116	10.2%
84.0%	1,123	1,250	127	11.3%
85.2%	1,111	1,250	139	12.5%
86.4%	1,098	1,250	152	13.8%
87.7%	1,032	1,161	129	12.5%
88.9%	1,001	1,144	144	14.4%
90.1%	1,001	1,135	134	13.4%
91.4%	958	1,113	155	16.1%
92.6%	929	1,061	132	14.2%
93.8%	895	1,004	109	12.2%
95.1%	884	980	96	10.8%
96.3%	800	936	136	17.0%
97.5%	800	868	68	8.5%
98.8%	800	800	0	0.0%
100.0%	305	514	209	68.3%

Table SW-27-9b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,137	14,137	0	0.0%
1.2%	10,879	10,879	0	0.0%
2.5%	10,224	10,224	0	0.0%
3.7%	10,211	10,211	0	0.0%
4.9%	10,121	10,121	0	0.0%
6.2%	9,050	9,050	0	0.0%
7.4%	8,579	8,579	0	0.0%
8.6%	7,451	7,451	0	0.0%
9.9%	6,988	6,988	0	0.0%
11.1%	6,353	6,353	0	0.0%
12.3%	6,026	6,026	0	0.0%
13.6%	6,019	6,019	0	0.0%
14.8%	5,804	5,804	0	0.0%
16.0%	5,597	5,597	0	0.0%
17.3%	5,094	5,079	-15	-0.3%
18.5%	5,079	5,077	-2	0.0%
19.8%	5,000	4,781	-219	-4.4%
21.0%	4,834	4,733	-101	-2.1%
22.2%	4,781	4,729	-52	-1.1%
23.5%	4,734	4,600	-134	-2.8%
24.7%	4,729	4,595	-135	-2.8%
25.9%	4,600	4,332	-268	-5.8%
27.2%	4,595	4,162	-432	-9.4%
28.4%	4,133	4,133	0	0.0%
29.6%	3,950	3,950	0	0.0%
30.9%	3,918	3,918	0	0.0%
32.1%	3,807	3,807	0	0.0%
33.3%	3,802	3,485	-318	-8.4%
34.6%	3,433	3,364	-69	-2.0%
35.8%	3,364	3,211	-153	-4.5%
37.0%	3,168	3,042	-125	-4.0%
38.3%	3,047	2,994	-54	-1.8%
39.5%	3,004	2,947	-57	-1.9%
40.7%	2,994	2,900	-94	-3.1%
42.0%	2,952	2,845	-108	-3.6%
43.2%	2,906	2,740	-166	-5.7%
44.4%	2,900	2,609	-291	-10.0%
45.7%	2,810	2,603	-207	-7.4%
46.9%	2,764	2,592	-172	-6.2%
48.1%	2,746	2,514	-232	-8.5%
49.4%	2,723	2,449	-274	-10.0%
50.6%	2,673	2,436	-236	-8.8%
51.9%	2,630	2,250	-380	-14.4%
53.1%	2,605	2,203	-402	-15.4%
54.3%	2,521	2,119	-402	-15.9%
55.6%	2,470	2,116	-354	-14.3%
56.8%	2,465	2,099	-365	-14.8%
58.0%	2,374	2,009	-365	-15.4%
59.3%	2,311	1,990	-322	-13.9%
60.5%	2,256	1,948	-307	-13.6%
61.7%	2,238	1,930	-308	-13.8%
63.0%	2,158	1,908	-251	-11.6%
64.2%	2,099	1,887	-212	-10.1%
65.4%	2,009	1,750	-259	-12.9%
66.7%	1,972	1,750	-222	-11.2%
67.9%	1,752	1,750	-2	-0.1%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,750	1,750	0	0.0%
79.0%	1,750	1,750	0	0.0%
80.2%	1,730	1,750	20	1.2%
81.5%	1,726	1,750	24	1.4%
82.7%	1,674	1,619	-54	-3.3%
84.0%	1,488	1,552	64	4.3%
85.2%	1,452	1,540	89	6.1%
86.4%	1,312	1,519	207	15.8%
87.7%	1,257	1,487	230	18.3%
88.9%	1,211	1,484	273	22.6%
90.1%	1,145	1,358	213	18.6%
91.4%	1,073	1,105	31	2.9%
92.6%	1,060	1,029	-31	-2.9%
93.8%	980	997	17	1.8%
95.1%	964	980	16	1.6%
96.3%	743	623	-120	-16.2%
97.5%	743	515	-228	-30.7%
98.8%	599	477	-121	-20.3%
100.0%	357	443	86	24.0%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,073	6,068	-6	-0.1%
1.2%	5,041	5,000	-41	-0.8%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	5,000	0	0.0%
13.6%	5,000	5,000	0	0.0%
14.8%	5,000	5,000	0	0.0%
16.0%	5,000	4,856	-144	-2.9%
17.3%	5,000	4,842	-158	-3.2%
18.5%	5,000	4,800	-200	-4.0%
19.8%	5,000	4,595	-405	-8.1%
21.0%	5,000	4,545	-455	-9.1%
22.2%	5,000	4,529	-471	-9.4%
23.5%	5,000	4,430	-570	-11.4%
24.7%	5,000	4,420	-580	-11.6%
25.9%	5,000	4,405	-595	-11.9%
27.2%	5,000	4,345	-655	-13.1%
28.4%	5,000	4,260	-740	-14.8%
29.6%	5,000	4,234	-766	-15.3%
30.9%	5,000	4,152	-848	-17.0%
32.1%	4,980	4,130	-850	-17.1%
33.3%	4,906	4,073	-833	-17.0%
34.6%	4,728	4,020	-708	-15.0%
35.8%	4,677	3,981	-697	-14.9%
37.0%	4,652	3,972	-680	-14.6%
38.3%	4,600	3,943	-657	-14.3%
39.5%	4,595	3,905	-689	-15.0%
40.7%	4,572	3,871	-701	-15.3%
42.0%	4,539	3,864	-675	-14.9%
43.2%	4,395	3,843	-551	-12.5%
44.4%	4,117	3,670	-446	-10.8%
45.7%	4,073	3,554	-519	-12.7%
46.9%	3,937	3,505	-431	-11.0%
48.1%	3,930	3,492	-438	-11.1%
49.4%	3,864	3,288	-577	-14.9%
50.6%	3,691	3,257	-433	-11.7%
51.9%	3,616	3,203	-413	-11.4%
53.1%	3,572	3,138	-434	-12.1%
54.3%	3,571	3,096	-476	-13.3%
55.6%	3,399	3,062	-337	-9.9%
56.8%	3,393	3,030	-363	-10.7%
58.0%	3,295	2,994	-301	-9.1%
59.3%	3,217	2,967	-250	-7.8%
60.5%	3,114	2,947	-167	-5.4%
61.7%	3,107	2,839	-268	-8.6%
63.0%	3,096	2,810	-286	-9.2%
64.2%	3,030	2,802	-228	-7.5%
65.4%	3,017	2,772	-245	-8.1%
66.7%	2,982	2,750	-232	-7.8%
67.9%	2,967	2,750	-217	-7.3%
69.1%	2,947	2,750	-197	-6.7%
70.4%	2,897	2,724	-172	-5.9%
71.6%	2,868	2,689	-179	-6.3%
72.8%	2,810	2,671	-139	-5.0%
74.1%	2,788	2,641	-146	-5.3%
75.3%	2,775	2,632	-143	-5.2%
76.5%	2,724	2,622	-103	-3.8%
77.8%	2,687	2,564	-123	-4.6%
79.0%	2,666	2,513	-153	-5.7%
80.2%	2,564	2,382	-181	-7.1%
81.5%	2,498	2,368	-129	-5.2%
82.7%	2,447	1,989	-458	-18.7%
84.0%	2,136	1,955	-181	-8.5%
85.2%	2,122	1,823	-299	-14.1%
86.4%	1,915	1,643	-272	-14.2%
87.7%	1,818	1,581	-237	-13.0%
88.9%	1,695	1,517	-178	-10.5%
90.1%	1,683	1,475	-208	-12.4%
91.4%	1,605	1,440	-165	-10.3%
92.6%	1,461	1,364	-97	-6.7%
93.8%	1,383	1,302	-81	-5.9%
95.1%	856	1,126	270	31.6%
96.3%	811	1,121	310	38.2%
97.5%	745	750	6	0.8%
98.8%	496	554	58	11.6%
100.0%	362	429	67	18.6%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,457	4,457	0	0.0%
1.2%	4,354	4,271	-83	-1.9%
2.5%	4,266	4,256	-10	-0.2%
3.7%	4,256	4,130	-126	-3.0%
4.9%	4,130	4,081	-49	-1.2%
6.2%	4,081	4,049	-31	-0.8%
7.4%	4,049	4,014	-35	-0.9%
8.6%	4,024	3,982	-42	-1.0%
9.9%	4,017	3,977	-41	-1.0%
11.1%	4,014	3,972	-42	-1.0%
12.3%	3,982	3,892	-90	-2.3%
13.6%	3,977	3,886	-91	-2.3%
14.8%	3,972	3,832	-140	-3.5%
16.0%	3,892	3,824	-68	-1.7%
17.3%	3,823	3,736	-87	-2.3%
18.5%	3,679	3,704	24	0.7%
19.8%	3,653	3,537	-116	-3.2%
21.0%	3,475	3,520	45	1.3%
22.2%	3,445	3,332	-113	-3.3%
23.5%	3,405	3,320	-85	-2.5%
24.7%	3,402	3,320	-83	-2.4%
25.9%	3,401	3,292	-109	-3.2%
27.2%	3,264	3,181	-83	-2.5%
28.4%	3,244	3,157	-87	-2.7%
29.6%	3,222	3,155	-67	-2.1%
30.9%	3,163	3,041	-121	-3.8%
32.1%	3,156	3,031	-125	-4.0%
33.3%	2,964	3,020	56	1.9%
34.6%	2,908	3,014	106	3.7%
35.8%	2,906	3,004	98	3.4%
37.0%	2,849	2,905	55	1.9%
38.3%	2,824	2,770	-55	-1.9%
39.5%	2,762	2,757	-5	-0.2%
40.7%	2,680	2,753	74	2.7%
42.0%	2,674	2,750	75	2.8%
43.2%	2,671	2,720	49	1.8%
44.4%	2,664	2,682	18	0.7%
45.7%	2,637	2,663	27	1.0%
46.9%	2,589	2,625	36	1.4%
48.1%	2,497	2,599	101	4.1%
49.4%	2,494	2,594	100	4.0%
50.6%	2,422	2,593	171	7.1%
51.9%	2,378	2,509	130	5.5%
53.1%	2,364	2,469	105	4.4%
54.3%	2,352	2,438	86	3.7%
55.6%	2,339	2,423	84	3.6%
56.8%	2,308	2,315	8	0.3%
58.0%	2,305	2,197	-108	-4.7%
59.3%	2,286	2,142	-144	-6.3%
60.5%	2,249	2,078	-171	-7.6%
61.7%	2,232	2,041	-191	-8.6%
63.0%	2,133	2,000	-133	-6.2%
64.2%	1,997	2,000	3	0.2%
65.4%	1,979	2,000	21	1.1%
66.7%	1,910	2,000	90	4.7%
67.9%	1,902	1,996	93	4.9%
69.1%	1,750	1,956	206	11.8%
70.4%	1,750	1,906	156	8.9%
71.6%	1,750	1,826	76	4.3%
72.8%	1,750	1,779	29	1.7%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,750	1,750	0	0.0%
77.8%	1,645	1,715	71	4.3%
79.0%	1,459	1,712	254	17.4%
80.2%	1,353	1,586	233	17.2%
81.5%	1,339	1,570	231	17.2%
82.7%	1,312	1,563	250	19.1%
84.0%	1,288	1,543	255	19.8%
85.2%	1,263	1,481	217	17.2%
86.4%	1,190	1,366	176	14.8%
87.7%	982	1,135	153	15.6%
88.9%	980	1,092	112	11.4%
90.1%	965	1,031	67	6.9%
91.4%	964	1,007	43	4.5%
92.6%	899	964	66	7.3%
93.8%	807	961	153	19.0%
95.1%	800	914	114	14.3%
96.3%	800	799	-1	-0.1%
97.5%	743	708	-36	-4.8%
98.8%	679	659	-20	-2.9%
100.0%	250	460	210	83.9%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	4,622	-378	-7.6%
2.5%	5,000	4,505	-495	-9.9%
3.7%	5,000	4,373	-627	-12.5%
4.9%	4,997	4,312	-684	-13.7%
6.2%	4,953	4,276	-677	-13.7%
7.4%	4,918	4,275	-643	-13.1%
8.6%	4,843	4,216	-627	-12.9%
9.9%	4,723	4,114	-609	-12.9%
11.1%	4,718	4,055	-663	-14.1%
12.3%	4,670	4,033	-637	-13.6%
13.6%	4,505	4,015	-490	-10.9%
14.8%	4,486	4,015	-471	-10.5%
16.0%	4,413	4,003	-409	-9.3%
17.3%	4,373	3,998	-375	-8.6%
18.5%	4,316	3,977	-339	-7.8%
19.8%	4,313	3,969	-344	-8.0%
21.0%	4,276	3,966	-310	-7.3%
22.2%	4,233	3,953	-280	-6.6%
23.5%	4,231	3,912	-318	-7.5%
24.7%	4,198	3,908	-291	-6.9%
25.9%	4,188	3,877	-311	-7.4%
27.2%	4,062	3,833	-229	-5.6%
28.4%	3,981	3,777	-205	-5.1%
29.6%	3,926	3,748	-178	-4.5%
30.9%	3,912	3,656	-257	-6.6%
32.1%	3,878	3,470	-407	-10.5%
33.3%	3,651	3,344	-307	-8.4%
34.6%	3,556	3,337	-219	-6.2%
35.8%	3,296	3,273	-23	-0.7%
37.0%	3,013	3,017	4	0.1%
38.3%	2,988	2,952	-36	-1.2%
39.5%	2,949	2,895	-54	-1.8%
40.7%	2,832	2,886	55	1.9%
42.0%	2,802	2,852	50	1.8%
43.2%	2,800	2,771	-29	-1.0%
44.4%	2,642	2,716	74	2.8%
45.7%	2,571	2,670	99	3.9%
46.9%	2,563	2,617	53	2.1%
48.1%	2,507	2,518	10	0.4%
49.4%	2,322	2,515	194	8.3%
50.6%	2,249	2,431	182	8.1%
51.9%	2,240	2,391	150	6.7%
53.1%	2,087	2,216	129	6.2%
54.3%	2,063	2,177	114	5.5%
55.6%	2,032	2,118	87	4.3%
56.8%	2,026	1,904	-122	-6.0%
58.0%	2,025	1,889	-136	-6.7%
59.3%	1,992	1,755	-237	-11.9%
60.5%	1,982	1,650	-332	-16.7%
61.7%	1,950	1,650	-300	-15.4%
63.0%	1,882	1,650	-232	-12.3%
64.2%	1,881	1,598	-283	-15.1%
65.4%	1,804	1,533	-271	-15.0%
66.7%	1,801	1,533	-268	-14.9%
67.9%	1,750	1,533	-217	-12.4%
69.1%	1,648	1,533	-115	-7.0%
70.4%	1,534	1,533	-1	-0.1%
71.6%	1,533	1,529	-5	-0.3%
72.8%	1,533	1,513	-21	-1.3%
74.1%	1,533	1,396	-138	-9.0%
75.3%	1,519	1,376	-144	-9.4%
76.5%	1,496	1,366	-129	-8.7%
77.8%	1,487	1,361	-126	-8.5%
79.0%	1,353	1,343	-10	-0.8%
80.2%	1,312	1,301	-11	-0.8%
81.5%	1,143	1,280	138	12.0%
82.7%	1,123	1,275	152	13.5%
84.0%	1,007	1,254	247	24.5%
85.2%	980	1,241	261	26.6%
86.4%	964	1,222	258	26.8%
87.7%	946	1,171	224	23.7%
88.9%	899	1,135	236	26.2%
90.1%	884	1,038	154	17.4%
91.4%	807	994	187	23.1%
92.6%	800	980	180	22.5%
93.8%	800	980	180	22.4%
95.1%	800	914	114	14.3%
96.3%	743	879	135	18.2%
97.5%	569	800	231	40.6%
98.8%	476	755	279	58.5%
100.0%	383	402	19	5.1%

Table SW-28-9a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,428	2,683	3,197	4,293	4,976	3,597	3,175	3,387	3,446	3,562	2,422	2,608
Alternative D	1,487	2,756	3,312	4,349	4,995	3,633	3,215	3,441	3,355	3,272	2,448	2,475
Difference	59	74	115	56	19	36	40	54	-90	-290	26	-133
Percent Difference[3]	4.2%	2.7%	3.6%	1.3%	0.4%	1.0%	1.2%	1.6%	-2.6%	-8.1%	1.1%	-5.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,549	3,837	3,536	8,529	8,989	5,930	5,094	5,875	5,677	3,800	3,186	4,214
Alternative D	1,694	3,934	3,638	8,582	9,007	5,933	5,093	5,875	5,665	3,624	3,268	3,783
Difference	146	97	102	53	18	3	-1	0	-12	-177	82	-431
Percent Difference	9.4%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.7%	2.6%	-10.2%
Above Normal (15%)												
No Action Alternative	1,452	2,680	2,828	4,450	6,113	5,236	3,365	3,575	3,174	4,339	2,546	3,015
Alternative D	1,446	2,724	2,990	4,650	6,211	5,285	3,363	3,574	3,177	4,064	2,513	2,855
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.4%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.3%	-1.3%	-5.3%
Below Normal (17%)												
No Action Alternative	1,584	3,292	3,906	2,204	4,067	2,307	2,906	2,729	2,563	4,764	2,307	1,989
Alternative D	1,605	3,378	3,913	2,313	3,996	2,333	3,020	2,785	2,544	4,057	2,410	2,221
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.3%	2.6%	0.2%	5.0%	-1.7%	1.1%	3.9%	2.1%	-0.8%	-14.8%	4.5%	11.6%
Dry (22%)												
No Action Alternative	1,378	1,709	3,965	1,647	1,704	1,947	1,840	1,651	2,307	3,186	2,232	1,524
Alternative D	1,387	1,827	4,226	1,546	1,755	2,026	1,853	1,700	2,148	2,975	2,134	1,497
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.6%	6.9%	6.6%	-6.1%	3.0%	4.1%	0.7%	2.9%	-6.9%	-6.6%	-4.4%	-1.8%
Critical (15%)												
No Action Alternative	1,034	933	852	1,363	1,111	882	1,145	1,178	1,621	1,433	1,059	1,067
Alternative D	1,093	906	857	1,457	1,111	926	1,266	1,413	1,288	1,248	1,120	1,024
Difference	59	-27	5	94	0	44	122	235	-332	-185	61	-43
Percent Difference	5.7%	-2.9%	0.5%	6.9%	0.0%	5.0%	10.7%	20.0%	-20.5%	-12.9%	5.7%	-4.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-28-9b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

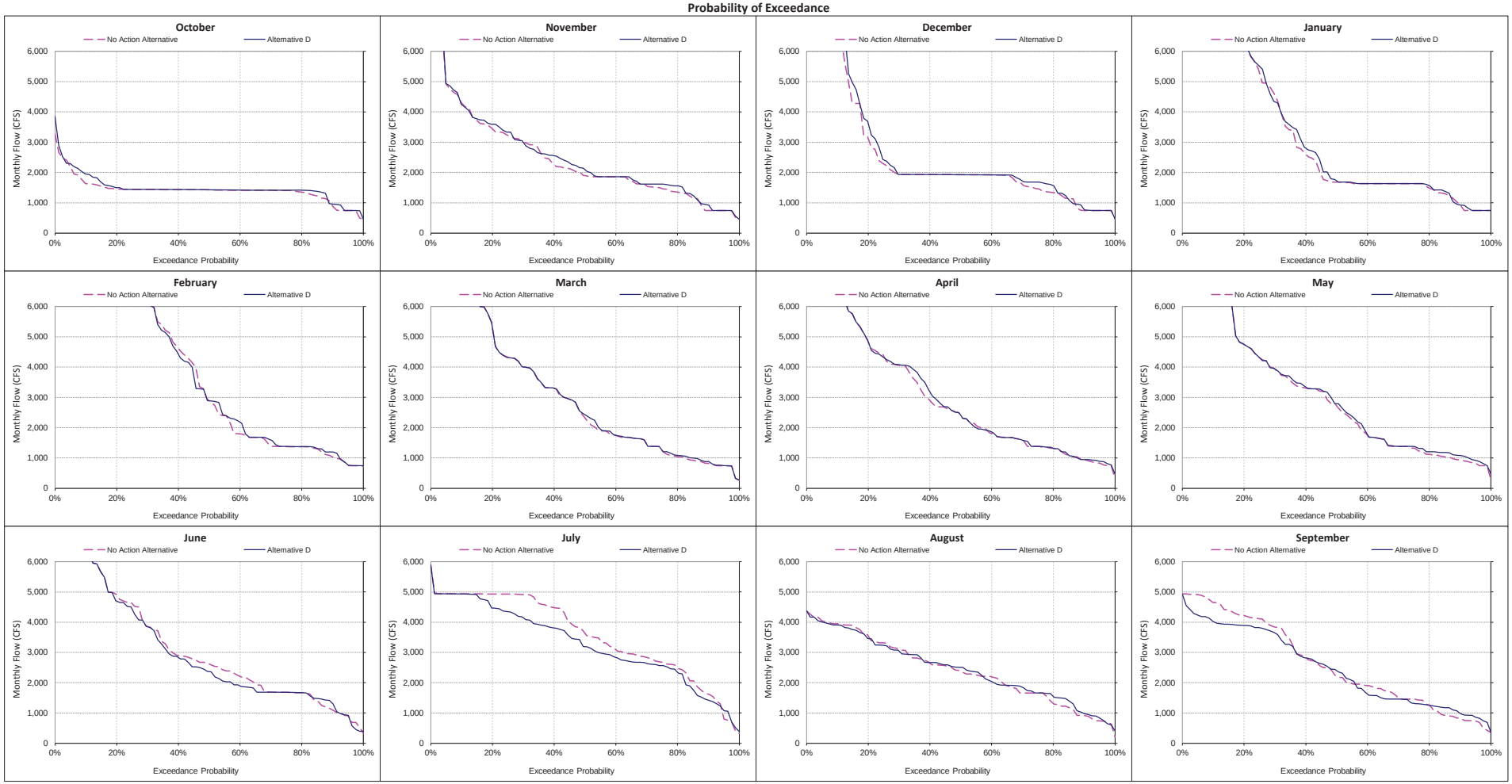

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,272	3,856	584	17.9%
1.2%	2,666	2,888	222	8.3%
2.5%	2,480	2,523	43	1.7%
3.7%	2,414	2,305	-109	-4.5%
4.9%	2,202	2,296	94	4.3%
6.2%	1,948	2,192	244	12.5%
7.4%	1,917	2,140	223	11.6%
8.6%	1,776	2,036	260	14.6%
9.9%	1,629	1,948	319	19.6%
11.1%	1,623	1,937	313	19.3%
12.3%	1,617	1,843	226	14.0%
13.6%	1,589	1,823	234	14.7%
14.8%	1,549	1,689	140	9.0%
16.0%	1,518	1,589	71	4.7%
17.3%	1,477	1,568	91	6.2%
18.5%	1,476	1,542	66	4.5%
19.8%	1,452	1,500	48	3.3%
21.0%	1,450	1,499	49	3.4%
22.2%	1,448	1,442	-7	-0.5%
23.5%	1,447	1,441	-5	-0.4%
24.7%	1,446	1,441	-5	-0.4%
25.9%	1,439	1,441	1	0.1%
27.2%	1,439	1,441	1	0.1%
28.4%	1,439	1,440	1	0.1%
29.6%	1,439	1,440	1	0.1%
30.9%	1,438	1,439	1	0.1%
32.1%	1,437	1,439	2	0.1%
33.3%	1,437	1,439	2	0.2%
34.6%	1,436	1,439	3	0.2%
35.8%	1,436	1,439	3	0.2%
37.0%	1,436	1,438	2	0.2%
38.3%	1,435	1,438	3	0.2%
39.5%	1,435	1,437	2	0.2%
40.7%	1,434	1,436	2	0.1%
42.0%	1,433	1,436	3	0.2%
43.2%	1,433	1,434	1	0.1%
44.4%	1,432	1,433	1	0.1%
45.7%	1,430	1,431	1	0.1%
46.9%	1,429	1,430	1	0.1%
48.1%	1,428	1,430	2	0.2%
49.4%	1,428	1,430	2	0.1%
50.6%	1,428	1,429	1	0.1%
51.9%	1,427	1,428	2	0.1%
53.1%	1,426	1,427	1	0.1%
54.3%	1,424	1,427	3	0.2%
55.6%	1,421	1,424	2	0.2%
56.8%	1,419	1,423	5	0.3%
58.0%	1,418	1,423	5	0.3%
59.3%	1,417	1,422	5	0.4%
60.5%	1,416	1,420	4	0.3%
61.7%	1,416	1,419	4	0.2%
63.0%	1,416	1,419	3	0.2%
64.2%	1,416	1,419	3	0.2%
65.4%	1,415	1,418	3	0.2%
66.7%	1,415	1,418	3	0.2%
67.9%	1,415	1,418	3	0.2%
69.1%	1,414	1,418	3	0.2%
70.4%	1,412	1,417	6	0.4%
71.6%	1,410	1,417	8	0.6%
72.8%	1,409	1,417	8	0.6%
74.1%	1,409	1,417	8	0.6%
75.3%	1,409	1,417	8	0.6%
76.5%	1,409	1,416	7	0.5%
77.8%	1,385	1,415	30	2.2%
79.0%	1,364	1,415	52	3.8%
80.2%	1,350	1,414	64	4.8%
81.5%	1,332	1,412	80	6.0%
82.7%	1,285	1,409	124	9.6%
84.0%	1,244	1,395	151	12.1%
85.2%	1,227	1,370	144	11.7%
86.4%	1,153	1,350	197	17.1%
87.7%	1,138	1,319	181	15.9%
88.9%	1,064	974	-90	-8.5%
90.1%	872	957	85	9.7%
91.4%	749	946	196	26.2%
92.6%	748	924	176	23.5%
93.8%	748	747	-2	-0.2%
95.1%	745	746	1	0.1%
96.3%	745	745	0	0.0%
97.5%	739	742	2	0.3%
98.8%	492	741	249	50.7%
100.0%	456	456	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,191	17,191	0	0.0%
1.2%	14,979	14,979	0	0.0%
2.5%	7,911	7,911	0	0.0%
3.7%	6,732	7,041	309	4.6%
4.9%	4,937	4,932	-5	-0.1%
6.2%	4,759	4,863	104	2.2%
7.4%	4,652	4,724	73	1.6%
8.6%	4,571	4,639	68	1.5%
9.9%	4,317	4,254	-63	-1.5%
11.1%	4,169	4,158	-11	-0.3%
12.3%	4,139	4,048	-91	-2.2%
13.6%	3,824	3,824	0	0.0%
14.8%	3,724	3,776	53	1.4%
16.0%	3,618	3,733	116	3.2%
17.3%	3,605	3,732	127	3.5%
18.5%	3,558	3,630	72	2.0%
19.8%	3,470	3,594	125	3.6%
21.0%	3,344	3,593	248	7.4%
22.2%	3,344	3,503	159	4.8%
23.5%	3,315	3,395	80	2.4%
24.7%	3,241	3,333	92	2.8%
25.9%	3,187	3,332	145	4.6%
27.2%	3,123	3,093	-31	-1.0%
28.4%	3,114	3,069	-45	-1.5%
29.6%	2,995	3,050	55	1.8%
30.9%	2,982	2,881	-101	-3.4%
32.1%	2,913	2,796	-117	-4.0%
33.3%	2,911	2,763	-148	-5.1%
34.6%	2,846	2,657	-188	-6.6%
35.8%	2,622	2,622	0	0.0%
37.0%	2,480	2,616	136	5.5%
38.3%	2,457	2,570	112	4.6%
39.5%	2,301	2,564	263	11.4%
40.7%	2,198	2,539	341	15.5%
42.0%	2,183	2,464	281	12.9%
43.2%	2,153	2,407	254	11.8%
44.4%	2,144	2,357	213	9.9%
45.7%	2,100	2,258	158	7.5%
46.9%	2,037	2,238	201	9.9%
48.1%	2,036	2,164	129	6.3%
49.4%	1,906	2,144	237	12.4%
50.6%	1,882	2,038	156	8.3%
51.9%	1,862	1,994	131	7.0%
53.1%	1,862	1,885	23	1.2%
54.3%	1,862	1,862	0	0.0%
55.6%	1,862	1,862	0	0.0%
56.8%	1,862	1,862	0	0.0%
58.0%	1,862	1,862	0	0.0%
59.3%	1,862	1,862	0	0.0%
60.5%	1,862	1,862	0	0.0%
61.7%	1,861	1,862	1	0.1%
63.0%	1,855	1,858	2	0.1%
64.2%	1,752	1,857	104	6.0%
65.4%	1,708	1,762	53	3.1%
66.7%	1,621	1,707	87	5.4%
67.9%	1,621	1,621	0	0.0%
69.1%	1,621	1,621	0	0.0%
70.4%	1,534	1,621	87	5.7%
71.6%	1,526	1,621	94	6.2%
72.8%	1,507	1,621	113	7.5%
74.1%	1,498	1,618	120	8.0%
75.3%	1,460	1,614	154	10.5%
76.5%	1,448	1,596	148	10.2%
77.8%	1,380	1,574	194	14.0%
79.0%	1,366	1,562	195	14.3%
80.2%	1,347	1,557	210	15.6%
81.5%	1,326	1,522	196	14.8%
82.7%	1,310	1,313	3	0.2%
84.0%	1,225	1,309	84	6.8%
85.2%	1,145	1,233	88	7.7%
86.4%	1,136	1,100	-36	-3.2%
87.7%	924	971	47	5.0%
88.9%	747	950	204	27.3%
90.1%	747	924	178	23.8%
91.4%	747	748	2	0.2%
92.6%	746	747	0	0.0%
93.8%	746	747	0	0.0%
95.1%	746	747	0	0.0%
96.3%	744	747	3	0.4%
97.5%	741	742	2	0.2%
98.8%	519	563	44	8.5%
100.0%	458	453	-5	-1.2%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,744	20,462	718	3.6%
1.2%	16,495	17,020	525	3.2%
2.5%	15,763	15,607	-156	-1.0%
3.7%	15,639	15,600	-39	-0.3%
4.9%	13,766	13,759	-7	-0.1%
6.2%	12,796	13,564	767	6.0%
7.4%	8,951	9,007	55	0.6%
8.6%	8,725	8,717	-8	-0.1%
9.9%	7,121	7,118	-3	0.0%
11.1%	6,581	6,589	7	0.1%
12.3%	5,653	6,581	929	16.4%
13.6%	5,003	5,263	260	5.2%
14.8%	4,295	4,965	670	15.6%
16.0%	4,278	4,734	456	10.7%
17.3%	4,278	4,236	-41	-1.0%
18.5%	3,241	3,789	549	16.9%
19.8%	3,201	3,692	491	15.3%
21.0%	2,827	3,236	408	14.4%
22.2%	2,764	3,111	347	12.6%
23.5%	2,392	2,827	435	18.2%
24.7%	2,307	2,431	124	5.4%
25.9%	2,225	2,375	150	6.8%
27.2%	2,092	2,239	147	7.0%
28.4%	2,011	2,164	153	7.6%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
32.1%	1,936	1,936	0	0.0%
33.3%	1,936	1,936	0	0.0%
34.6%	1,936	1,936	0	0.0%
35.8%	1,936	1,936	0	0.0%
37.0%	1,936	1,936	0	0.0%
38.3%	1,936	1,936	0	0.0%
39.5%	1,935	1,935	0	0.0%
40.7%	1,934	1,933	-1	0.0%
42.0%	1,934	1,931	-3	-0.1%
43.2%	1,933	1,931	-3	-0.1%
44.4%	1,933	1,930	-3	-0.2%
45.7%	1,933	1,929	-4	-0.2%
46.9%	1,933	1,929	-3	-0.2%
48.1%	1,930	1,929	-1	-0.1%
49.4%	1,926	1,929	2	0.1%
50.6%	1,926	1,928	1	0.1%
51.9%	1,926	1,927	2	0.1%
53.1%	1,925	1,927	2	0.1%
54.3%	1,924	1,925	1	0.1%
55.6%	1,923	1,923	-1	0.0%
56.8%	1,923	1,922	-1	0.0%
58.0%	1,923	1,920	-2	-0.1%
59.3%	1,923	1,920	-2	-0.1%
60.5%	1,921	1,919	-2	-0.1%
61.7%	1,921	1,919	-2	-0.1%
63.0%	1,914	1,919	5	0.2%
64.2%	1,911	1,916	5	0.3%
65.4%	1,909	1,915	6	0.3%
66.7%	1,823	1,910	88	4.8%
67.9%	1,688	1,832	145	8.6%
69.1%	1,682	1,777	95	5.6%
70.4%	1,570	1,695	124	7.9%
71.6%	1,534	1,688	154	10.0%
72.8%	1,522	1,688	166	10.9%
74.1%	1,471	1,688	217	14.8%
75.3%	1,454	1,685	230	15.8%
76.5%	1,382	1,655	273	19.7%
77.8%	1,368	1,625	256	18.7%
79.0%	1,349	1,611	262	19.4%
80.2%	1,328	1,554	226	17.0%
81.5%	1,312	1,315	3	0.3%
82.7%	1,227	1,311	84	6.9%
84.0%	1,147	1,237	90	7.8%
85.2%	1,138	1,083	-55	-4.8%
86.4%	1,133	973	-160	-14.1%
87.7%	820	952	133	16.2%
88.9%	754	926	172	22.8%
90.1%	748	760	12	1.6%
91.4%	748	752	4	0.5%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	745	742	-2	-0.3%
100.0%	472	472	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,174	30,468	-706	-2.3%
1.2%	20,281	20,279	-2	0.0%
2.5%	17,613	17,603	-10	-0.1%
3.7%	15,473	15,703	230	1.5%
4.9%	14,628	15,462	834	5.7%
6.2%	12,792	12,786	-6	0.0%
7.4%	11,521	11,521	0	0.0%
8.6%	10,707	10,702	-5	0.0%
9.9%	10,365	10,426	61	0.6%
11.1%	9,912	10,294	381	3.8%
12.3%	9,211	9,201	-10	-0.1%
13.6%	9,053	9,053	1	0.0%
14.8%	8,828	8,824	-4	0.0%
16.0%	7,720	7,715	-5	-0.1%
17.3%	7,426	7,371	-56	-0.7%
18.5%	6,704	6,633	-71	-1.1%
19.8%	6,647	6,531	-116	-1.7%
21.0%	6,076	6,109	33	0.5%
22.2%	5,822	5,842	20	0.3%
23.5%	5,651	5,651	0	0.0%
24.7%	5,414	5,533	119	2.2%
25.9%	4,961	5,413	452	9.1%
27.2%	4,950	4,948	-2	0.0%
28.4%	4,820	4,603	-217	-4.5%
29.6%	4,616	4,348	-268	-5.8%
30.9%	4,357	4,298	-59	-1.3%
32.1%	3,940	3,936	-5	-0.1%
33.3%	3,524	3,688	164	4.7%
34.6%	3,405	3,585	179	5.3%
35.8%	3,392	3,482	90	2.7%
37.0%	2,831	3,415	584	20.6%
38.3%	2,788	3,111	324	11.6%
39.5%	2,658	2,841	183	6.9%
40.7%	2,525	2,745	220	8.7%
42.0%	2,473	2,715	242	9.8%
43.2%	2,376	2,658	282	11.9%
44.4%	2,034	2,441	406	20.0%
45.7%	1,766	2,022	256	14.5%
46.9%	1,734	2,016	282	16.3%
48.1%	1,685	1,796	111	6.6%
49.4%	1,685	1,764	79	4.7%
50.6%	1,685	1,685	0	0.0%
51.9%	1,681	1,685	4	0.2%
53.1%	1,663	1,685	22	1.3%
54.3%	1,663	1,681	18	1.1%
55.6%	1,635	1,662	27	1.7%
56.8%	1,635	1,635	0	0.0%
58.0%	1,635	1,635	0	0.0%
59.3%	1,635	1,635	0	0.0%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,635	1,635	0	0.0%
70.4%	1,635	1,635	0	0.0%
71.6%	1,635	1,635	0	0.0%
72.8%	1,635	1,635	0	0.0%
74.1%	1,635	1,635	0	0.0%
75.3%	1,635	1,635	0	0.0%
76.5%	1,635	1,635	0	0.0%
77.8%	1,635	1,635	0	0.0%
79.0%	1,539	1,611	71	4.6%
80.2%	1,471	1,547	77	5.2%
81.5%	1,425	1,425	0	0.0%
82.7%	1,328	1,425	97	7.3%
84.0%	1,325	1,422	97	7.3%
85.2%	1,295	1,371	77	5.9%
86.4%	1,227	1,315	88	7.1%
87.7%	1,154	1,042	-112	-9.7%
88.9%	1,034	952	-82	-7.9%
90.1%	920	922	2	0.2%
91.4%	748	916	167	22.4%
92.6%	748	819	70	9.4%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	748	748	0	0.0%
100.0%	747	748	1	0.2%

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,103	32,092	-11	0.0%
1.2%	15,585	15,454	-131	-0.8%
2.5%	13,617	13,617	0	0.0%
3.7%	13,361	13,372	10	0.1%
4.9%	13,346	13,350	4	0.0%
6.2%	12,991	12,981	-10	-0.1%
7.4%	12,404	12,616	212	1.7%
8.6%	12,260	12,261	1	0.0%
9.9%	11,338	11,332	-5	0.0%
11.1%	11,083	11,073	-10	-0.1%
12.3%	10,780	10,780	0	0.0%
13.6%	10,431	10,432	1	0.0%
14.8%	9,957	9,954	-3	0.0%
16.0%	9,808	9,808	0	0.0%
17.3%	9,611	9,611	0	0.0%
18.5%	9,342	9,343	0	0.0%
19.8%	9,113	9,101	-13	-0.1%
21.0%	7,917	8,471	554	7.0%
22.2%	7,829	7,823	-6	-0.1%
23.5%	7,702	7,357	-345	-4.5%
24.7%	7,092	7,092	0	0.0%
25.9%	6,982	6,980	-2	0.0%
27.2%	6,760	6,772	12	0.2%
28.4%	6,176	6,606	430	7.0%
29.6%	6,053	6,054	0	0.0%
30.9%	6,040	6,041	1	0.0%
32.1%	5,974	5,974	0	0.0%
33.3%	5,495	5,404	-91	-1.7%
34.6%	5,414	5,219	-195	-3.6%
35.8%	5,219	5,140	-80	-1.5%
37.0%	5,139	5,003	-137	-2.7%
38.3%	4,823	4,689	-134	-2.8%
39.5%	4,690	4,521	-169	-3.6%
40.7%	4,523	4,298	-225	-5.0%
42.0%	4,402	4,200	-203	-4.6%
43.2%	4,297	4,151	-146	-3.4%
44.4%	4,151	3,994	-157	-3.8%
45.7%	3,994	3,294	-700	-17.5%
46.9%	3,354	3,284	-69	-2.1%
48.1%	3,292	3,268	-24	-0.7%
49.4%	2,939	2,890	-48	-1.6%
50.6%	2,858	2,883	25	0.9%
51.9%	2,732	2,866	134	4.9%
53.1%	2,447	2,834	388	15.8%
54.3%	2,402	2,433	30	1.3%
55.6%	2,398	2,389	-9	-0.4%
56.8%	2,142	2,313	171	8.0%
58.0%	1,806	2,283	477	26.4%
59.3%	1,800	2,225	425	23.6%
60.5%	1,795	2,143	348	19.4%
61.7%	1,753	1,797	44	2.5%
63.0%	1,683	1,685	2	0.1%
64.2%	1,680	1,683	2	0.1%
65.4%	1,680	1,680	0	0.0%
66.7%	1,680	1,680	0	0.0%
67.9%	1,626	1,680	54	3.3%
69.1%	1,466	1,626	160	10.9%
70.4%	1,378	1,575	196	14.3%
71.6%	1,378	1,430	52	3.8%
72.8%	1,378	1,378	0	0.0%
74.1%	1,376	1,378	2	0.2%
75.3%	1,376	1,378	2	0.2%
76.5%	1,376	1,376	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,358	1,376	18	1.4%
84.0%	1,322	1,356	34	2.6%
85.2%	1,295	1,309	14	1.1%
86.4%	1,197	1,301	104	8.7%
87.7%	1,113	1,200	87	7.8%
88.9%	1,089	1,197	108	9.9%
90.1%	1,032	1,195	163	15.8%
91.4%	978	1,154	177	18.1%
92.6%	968	948	-19	-2.0%
93.8%	866	873	7	0.8%
95.1%	745	766	21	2.9%
96.3%	743	745	2	0.3%
97.5%	743	743	0	0.0%
98.8%	743	743	0	0.0%
100.0%	730	743	13	1.8%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,489	16,494	6	0.0%
1.2%	15,808	15,808	0	0.0%
2.5%	11,883	12,299	416	3.5%
3.7%	11,721	11,882	161	1.4%
4.9%	11,644	11,644	0	0.0%
6.2%	10,839	10,839	0	0.0%
7.4%	10,431	10,441	10	0.1%
8.6%	8,864	8,864	0	0.0%
9.9%	7,748	8,331	584	7.5%
11.1%	7,493	7,607	115	1.5%
12.3%	7,142	7,142	0	0.0%
13.6%	6,485	6,485	0	0.0%
14.8%	6,223	6,223	0	0.0%
16.0%	5,997	5,995	-2	0.0%
17.3%	5,992	5,992	0	0.0%
18.5%	5,770	5,770	0	0.0%
19.8%	5,467	5,473	6	0.1%
21.0%	4,681	4,681	0	0.0%
22.2%	4,484	4,486	2	0.0%
23.5%	4,395	4,389	-6	-0.1%
24.7%	4,335	4,326	-10	-0.2%
25.9%	4,302	4,302	0	0.0%
27.2%	4,296	4,290	-6	-0.1%
28.4%	4,193	4,193	0	0.0%
29.6%	4,013	4,013	0	0.0%
30.9%	3,999	3,997	-2	0.0%
32.1%	3,968	3,968	0	0.0%
33.3%	3,869	3,848	-21	-0.5%
34.6%	3,607	3,618	11	0.3%
35.8%	3,487	3,487	0	0.0%
37.0%	3,326	3,326	0	0.0%
38.3%	3,320	3,320	0	0.0%
39.5%	3,314	3,314	0	0.0%
40.7%	3,273	3,272	-2	-0.1%
42.0%	3,023	3,088	66	2.2%
43.2%	3,006	3,002	-4	-0.1%
44.4%	2,964	2,954	-11	-0.4%
45.7%	2,909	2,917	7	0.3%
46.9%	2,838	2,838	0	0.0%
48.1%	2,558	2,559	1	0.0%
49.4%	2,399	2,459	60	2.5%
50.6%	2,243	2,386	143	6.4%
51.9%	2,094	2,304	210	10.0%
53.1%	2,028	2,243	215	10.6%
54.3%	1,905	2,011	106	5.6%
55.6%	1,894	1,900	6	0.3%
56.8%	1,889	1,897	9	0.5%
58.0%	1,794	1,888	95	5.3%
59.3%	1,771	1,771	0	0.0%
60.5%	1,721	1,734	13	0.8%
61.7%	1,683	1,714	31	1.8%
63.0%	1,682	1,683	1	0.0%
64.2%	1,681	1,681	0	0.0%
65.4%	1,657	1,657	0	0.0%
66.7%	1,648	1,642	-5	-0.3%
67.9%	1,638	1,638	0	0.0%
69.1%	1,602	1,602	0	0.0%
70.4%	1,397	1,385	-12	-0.8%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,383	-2	-0.1%
74.1%	1,381	1,374	-7	-0.5%
75.3%	1,206	1,206	0	0.0%
76.5%	1,121	1,204	83	7.4%
77.8%	1,083	1,160	78	7.2%
79.0%	1,063	1,101	38	3.6%
80.2%	1,039	1,078	39	3.7%
81.5%	1,038	1,075	37	3.6%
82.7%	976	1,053	78	7.9%
84.0%	940	1,003	62	6.6%
85.2%	918	1,001	83	9.0%
86.4%	898	984	86	9.6%
87.7%	875	919	44	5.1%
88.9%	832	882	50	6.0%
90.1%	820	877	57	7.0%
91.4%	777	799	21	2.7%
92.6%	748	761	13	1.7%
93.8%	748	759	11	1.4%
95.1%	740	748	8	1.1%
96.3%	740	744	4	0.6%
97.5%	737	740	3	0.4%
98.8%	328	328	0	0.0%
100.0%	265	265	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,286	14,285	-1	0.0%
1.2%	10,078	10,078	0	0.0%
2.5%	8,359	8,359	0	0.0%
3.7%	7,564	7,564	0	0.0%
4.9%	7,437	7,437	0	0.0%
6.2%	6,784	6,784	0	0.0%
7.4%	6,675	6,678	3	0.1%
8.6%	6,497	6,497	0	0.0%
9.9%	6,490	6,490	0	0.0%
11.1%	6,245	6,245	0	0.0%
12.3%	6,197	6,197	0	0.0%
13.6%	5,846	5,846	0	0.0%
14.8%	5,765	5,765	0	0.0%
16.0%	5,490	5,490	0	0.0%
17.3%	5,335	5,335	0	0.0%
18.5%	5,115	5,115	0	0.0%
19.8%	4,892	4,891	-1	0.0%
21.0%	4,615	4,551	-64	-1.4%
22.2%	4,551	4,459	-92	-2.0%
23.5%	4,473	4,431	-42	-0.9%
24.7%	4,430	4,343	-88	-2.0%
25.9%	4,192	4,247	54	1.3%
27.2%	4,094	4,193	99	2.4%
28.4%	4,092	4,099	7	0.2%
29.6%	4,064	4,087	23	0.6%
30.9%	4,063	4,064	0	0.0%
32.1%	4,028	4,063	36	0.9%
33.3%	3,825	4,028	203	5.3%
34.6%	3,635	3,926	291	8.0%
35.8%	3,502	3,825	323	9.2%
37.0%	3,256	3,624	368	11.3%
38.3%	3,049	3,502	453	14.9%
39.5%	2,960	3,256	296	10.0%
40.7%	2,811	3,050	239	8.5%
42.0%	2,699	2,944	245	9.1%
43.2%	2,692	2,811	119	4.4%
44.4%	2,686	2,699	13	0.5%
45.7%	2,633	2,692	59	2.3%
46.9%	2,581	2,581	0	0.0%
48.1%	2,522	2,513	-9	-0.4%
49.4%	2,495	2,495	0	0.0%
50.6%	2,315	2,310	-5	-0.2%
51.9%	2,292	2,283	-9	-0.4%
53.1%	2,156	2,156	0	0.0%
54.3%	2,142	2,032	-110	-5.1%
55.6%	2,032	1,963	-70	-3.4%
56.8%	1,991	1,954	-37	-1.9%
58.0%	1,955	1,921	-34	-1.8%
59.3%	1,836	1,895	60	3.3%
60.5%	1,796	1,836	39	2.2%
61.7%	1,696	1,707	11	0.6%
63.0%	1,691	1,685	-6	-0.4%
64.2%	1,685	1,679	-6	-0.4%
65.4%	1,679	1,679	0	0.0%
66.7%	1,675	1,675	0	0.0%
67.9%	1,640	1,635	-4	-0.3%
69.1%	1,635	1,621	-15	-0.9%
70.4%	1,569	1,573	4	0.2%
71.6%	1,383	1,547	164	11.9%
72.8%	1,383	1,383	0	0.0%
74.1%	1,383	1,383	0	0.0%
75.3%	1,379	1,383	4	0.3%
76.5%	1,359	1,374	15	1.1%
77.8%	1,355	1,359	4	0.3%
79.0%	1,323	1,356	33	2.5%
80.2%	1,319	1,309	-10	-0.8%
81.5%	1,264	1,308	43	3.4%
82.7%	1,204	1,204	0	0.0%
84.0%	1,119	1,202	83	7.4%
85.2%	1,083	1,076	-8	-0.7%
86.4%	1,039	1,054	14	1.4%
87.7%	1,034	1,002	-32	-3.1%
88.9%	974	946	-28	-2.8%
90.1%	943	946	3	0.3%
91.4%	902	945	44	4.9%
92.6%	873	933	60	6.9%
93.8%	839	923	83	9.9%
95.1%	829	886	58	6.9%
96.3%	768	880	111	14.5%
97.5%	747	812	65	8.7%
98.8%	743	773	30	4.1%
100.0%	315	471	157	49.8%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,158	0	0.0%
1.2%	10,998	10,998	0	0.0%
2.5%	10,091	10,091	0	0.0%
3.7%	9,608	9,608	0	0.0%
4.9%	9,193	9,193	0	0.0%
6.2%	9,059	9,059	0	0.0%
7.4%	8,876	8,876	0	0.0%
8.6%	8,802	8,802	0	0.0%
9.9%	8,032	8,032	0	0.0%
11.1%	7,914	7,914	0	0.0%
12.3%	6,726	6,726	0	0.0%
13.6%	6,563	6,563	0	0.0%
14.8%	6,329	6,329	0	0.0%
16.0%	6,027	6,027	0	0.0%
17.3%	5,042	5,027	-15	-0.3%
18.5%	4,828	4,828	0	0.0%
19.8%	4,766	4,766	0	0.0%
21.0%	4,681	4,681	0	0.0%
22.2%	4,616	4,616	0	0.0%
23.5%	4,460	4,460	0	0.0%
24.7%	4,340	4,340	0	0.0%
25.9%	4,242	4,212	-30	-0.7%
27.2%	4,202	4,211	9	0.2%
28.4%	4,002	3,979	-23	-0.6%
29.6%	3,960	3,960	0	0.0%
30.9%	3,851	3,876	25	0.6%
32.1%	3,723	3,760	37	1.0%
33.3%	3,712	3,723	11	0.3%
34.6%	3,581	3,712	131	3.7%
35.8%	3,466	3,581	115	3.3%
37.0%	3,378	3,480	102	3.0%
38.3%	3,353	3,466	113	3.4%
39.5%	3,315	3,378	63	1.9%
40.7%	3,295	3,295	0	0.0%
42.0%	3,287	3,287	0	0.0%
43.2%	3,279	3,281	2	0.1%
44.4%	3,205	3,275	70	2.2%
45.7%	3,201	3,205	3	0.1%
46.9%	2,923	3,172	249	8.5%
48.1%	2,795	3,010	215	7.7%
49.4%	2,793	2,795	2	0.1%
50.6%	2,637	2,791	154	5.8%
51.9%	2,507	2,637	130	5.2%
53.1%	2,437	2,507	69	2.8%
54.3%	2,331	2,427	96	4.1%
55.6%	2,196	2,331	134	6.1%
56.8%	2,129	2,195	66	3.1%
58.0%	1,900	2,130	230	12.1%
59.3%	1,837	1,900	62	3.4%
60.5%	1,687	1,687	0	0.0%
61.7%	1,687	1,687	0	0.0%
63.0%	1,663	1,663	0	0.0%
64.2%	1,638	1,638	0	0.0%
65.4%	1,616	1,616	0	0.0%
66.7%	1,397	1,414	17	1.2%
67.9%	1,385	1,409	24	1.7%
69.1%	1,385	1,385	0	0.0%
70.4%	1,385	1,385	0	0.0%
71.6%	1,385	1,385	0	0.0%
72.8%	1,385	1,385	0	0.0%
74.1%	1,328	1,385	57	4.3%
75.3%	1,326	1,374	47	3.6%
76.5%	1,227	1,315	88	7.1%
77.8%	1,223	1,315	92	7.5%
79.0%	1,122	1,206	83	7.4%
80.2%	1,121	1,204	83	7.4%
81.5%	1,089	1,202	114	10.4%
82.7%	1,085	1,187	102	9.4%
84.0%	1,052	1,185	134	12.7%
85.2%	1,041	1,185	144	13.8%
86.4%	1,031	1,170	139	13.5%
87.7%	976	1,105	130	13.3%
88.9%	945	1,089	144	15.2%
90.1%	935	1,077	142	15.2%
91.4%	903	1,056	152	16.8%
92.6%	875	1,004	129	14.8%
93.8%	841	949	107	12.8%
95.1%	830	924	94	11.3%
96.3%	748	882	133	17.8%
97.5%	748	815	67	9.0%
98.8%	741	748	7	0.9%
100.0%	266	468	202	75.9%

Table SW-28-9b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,996	13,996	0	0.0%
1.2%	10,775	10,775	0	0.0%
2.5%	10,101	10,101	0	0.0%
3.7%	10,061	10,061	0	0.0%
4.9%	9,970	9,970	0	0.0%
6.2%	8,928	8,928	0	0.0%
7.4%	8,446	8,446	0	0.0%
8.6%	7,314	7,314	0	0.0%
9.9%	6,881	6,881	0	0.0%
11.1%	6,224	6,224	0	0.0%
12.3%	5,953	5,953	0	0.0%
13.6%	5,925	5,925	0	0.0%
14.8%	5,674	5,674	0	0.0%
16.0%	5,487	5,487	0	0.0%
17.3%	4,999	4,990	-9	-0.2%
18.5%	4,990	4,981	-8	-0.2%
19.8%	4,934	4,702	-232	-4.7%
21.0%	4,754	4,656	-98	-2.1%
22.2%	4,702	4,650	-52	-1.1%
23.5%	4,654	4,517	-137	-2.9%
24.7%	4,650	4,503	-147	-3.2%
25.9%	4,517	4,253	-264	-5.8%
27.2%	4,503	4,078	-426	-9.5%
28.4%	4,048	4,068	20	0.5%
29.6%	3,869	3,869	0	0.0%
30.9%	3,828	3,828	0	0.0%
32.1%	3,740	3,724	-16	-0.4%
33.3%	3,724	3,422	-301	-8.1%
34.6%	3,373	3,283	-90	-2.7%
35.8%	3,284	3,119	-164	-5.0%
37.0%	3,082	2,954	-128	-4.1%
38.3%	2,985	2,874	-111	-3.7%
39.5%	2,912	2,872	-40	-1.4%
40.7%	2,879	2,789	-90	-3.1%
42.0%	2,872	2,784	-88	-3.1%
43.2%	2,844	2,670	-174	-6.1%
44.4%	2,789	2,528	-261	-9.4%
45.7%	2,748	2,523	-225	-8.2%
46.9%	2,677	2,500	-177	-6.6%
48.1%	2,676	2,453	-223	-8.3%
49.4%	2,658	2,377	-281	-10.6%
50.6%	2,587	2,358	-229	-8.9%
51.9%	2,542	2,188	-354	-13.9%
53.1%	2,530	2,143	-387	-15.3%
54.3%	2,428	2,058	-371	-15.3%
55.6%	2,393	2,030	-363	-15.1%
56.8%	2,392	2,028	-363	-15.2%
58.0%	2,312	1,929	-382	-16.5%
59.3%	2,242	1,927	-315	-14.1%
60.5%	2,191	1,870	-321	-14.7%
61.7%	2,176	1,865	-311	-14.3%
63.0%	2,099	1,847	-252	-12.0%
64.2%	2,028	1,831	-197	-9.7%
65.4%	1,927	1,690	-238	-12.3%
66.7%	1,916	1,688	-228	-11.9%
67.9%	1,693	1,688	-5	-0.3%
69.1%	1,692	1,688	-4	-0.3%
70.4%	1,688	1,686	-2	-0.1%
71.6%	1,686	1,685	0	0.0%
72.8%	1,685	1,685	0	0.0%
74.1%	1,685	1,685	0	0.0%
75.3%	1,683	1,683	0	0.0%
76.5%	1,675	1,681	6	0.4%
77.8%	1,671	1,675	4	0.2%
79.0%	1,670	1,671	1	0.0%
80.2%	1,670	1,670	0	0.0%
81.5%	1,666	1,664	-2	-0.1%
82.7%	1,614	1,559	-55	-3.4%
84.0%	1,427	1,489	62	4.4%
85.2%	1,391	1,481	90	6.4%
86.4%	1,251	1,460	209	16.7%
87.7%	1,202	1,426	224	18.7%
88.9%	1,155	1,422	266	23.0%
90.1%	1,092	1,301	208	19.1%
91.4%	1,017	1,042	25	2.5%
92.6%	1,006	974	-32	-3.2%
93.8%	922	938	16	1.7%
95.1%	905	922	18	2.0%
96.3%	690	570	-120	-17.4%
97.5%	685	456	-229	-33.4%
98.8%	523	396	-126	-24.2%
100.0%	323	395	72	22.4%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,903	5,897	-6	-0.1%
1.2%	4,972	4,937	-35	-0.7%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-5	-0.1%
4.9%	4,941	4,937	-4	-0.1%
6.2%	4,937	4,937	0	0.0%
7.4%	4,937	4,937	0	0.0%
8.6%	4,937	4,935	-2	0.0%
9.9%	4,937	4,935	-2	0.0%
11.1%	4,937	4,934	-3	-0.1%
12.3%	4,937	4,931	-6	-0.1%
13.6%	4,937	4,926	-11	-0.2%
14.8%	4,935	4,912	-23	-0.5%
16.0%	4,935	4,774	-161	-3.3%
17.3%	4,934	4,750	-184	-3.7%
18.5%	4,933	4,716	-217	-4.4%
19.8%	4,933	4,468	-465	-9.4%
21.0%	4,931	4,459	-472	-9.6%
22.2%	4,931	4,445	-486	-9.8%
23.5%	4,930	4,367	-563	-11.4%
24.7%	4,930	4,350	-580	-11.8%
25.9%	4,929	4,334	-595	-12.1%
27.2%	4,928	4,282	-647	-13.1%
28.4%	4,923	4,194	-729	-14.8%
29.6%	4,916	4,175	-742	-15.1%
30.9%	4,912	4,082	-831	-16.9%
32.1%	4,908	4,068	-840	-17.1%
33.3%	4,838	3,947	-891	-18.4%
34.6%	4,647	3,937	-711	-15.3%
35.8%	4,595	3,902	-693	-15.1%
37.0%	4,582	3,880	-701	-15.3%
38.3%	4,508	3,844	-664	-14.7%
39.5%	4,497	3,813	-684	-15.2%
40.7%	4,466	3,802	-664	-14.9%
42.0%	4,459	3,754	-705	-15.8%
43.2%	4,322	3,722	-601	-13.9%
44.4%	4,049	3,570	-479	-11.8%
45.7%	3,937	3,464	-472	-12.0%
46.9%	3,849	3,442	-407	-10.6%
48.1%	3,830	3,429	-401	-10.5%
49.4%	3,722	3,196	-526	-14.1%
50.6%	3,554	3,191	-362	-10.2%
51.9%	3,527	3,140	-387	-11.0%
53.1%	3,498	3,053	-445	-12.7%
54.3%	3,480	2,999	-481	-13.8%
55.6%	3,330	2,973	-356	-10.7%
56.8%	3,309	2,948	-361	-10.9%
58.0%	3,205	2,928	-277	-8.7%
59.3%	3,158	2,859	-299	-9.5%
60.5%	3,047	2,820	-227	-7.4%
61.7%	3,025	2,750	-275	-9.1%
63.0%	2,973	2,732	-241	-8.1%
64.2%	2,963	2,712	-250	-8.5%
65.4%	2,948	2,685	-264	-8.9%
66.7%	2,919	2,677	-242	-8.3%
67.9%	2,878	2,675	-204	-7.1%
69.1%	2,859	2,669	-190	-6.6%
70.4%	2,822	2,627	-195	-6.9%
71.6%	2,795	2,612	-183	-6.5%
72.8%	2,712	2,597	-115	-4.2%
74.1%	2,691	2,569	-123	-4.6%
75.3%	2,675	2,568	-107	-4.0%
76.5%	2,612	2,522	-90	-3.5%
77.8%	2,610	2,461	-149	-5.7%
79.0%	2,593	2,452	-140	-5.4%
80.2%	2,461	2,320	-141	-5.7%
81.5%	2,435	2,290	-145	-5.9%
82.7%	2,320	1,928	-392	-16.9%
84.0%	2,063	1,895	-168	-8.1%
85.2%	2,059	1,755	-304	-14.7%
86.4%	1,858	1,579	-280	-15.1%
87.7%	1,755	1,525	-230	-13.1%
88.9%	1,648	1,459	-188	-11.4%
90.1%	1,621	1,418	-203	-12.5%
91.4%	1,550	1,373	-176	-11.4%
92.6%	1,400	1,308	-92	-6.6%
93.8%	1,302	1,237	-65	-5.0%
95.1%	799	1,078	279	34.9%
96.3%	761	1,057	296	38.9%
97.5%	694	705	10	1.5%
98.8%	405	509	104	25.8%
100.0%	321	384	63	19.7%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,375	4,375	0	0.0%
1.2%	4,262	4,171	-91	-2.1%
2.5%	4,168	4,168	0	0.0%
3.7%	4,166	4,049	-117	-2.8%
4.9%	4,049	4,010	-39	-1.0%
6.2%	4,010	3,975	-34	-0.9%
7.4%	3,975	3,940	-36	-0.9%
8.6%	3,946	3,909	-37	-0.9%
9.9%	3,945	3,906	-39	-1.0%
11.1%	3,940	3,900	-39	-1.0%
12.3%	3,909	3,822	-87	-2.2%
13.6%	3,906	3,806	-100	-2.6%
14.8%	3,900	3,762	-139	-3.6%
16.0%	3,822	3,732	-90	-2.3%
17.3%	3,757	3,654	-103	-2.7%
18.5%	3,608	3,612	5	0.1%
19.8%	3,584	3,464	-120	-3.3%
21.0%	3,384	3,444	60	1.8%
22.2%	3,367	3,249	-118	-3.5%
23.5%	3,321	3,248	-73	-2.2%
24.7%	3,319	3,241	-78	-2.3%
25.9%	3,311	3,220	-91	-2.7%
27.2%	3,190	3,110	-80	-2.5%
28.4%	3,153	3,082	-71	-2.2%
29.6%	3,131	3,076	-55	-1.8%
30.9%	3,077	2,954	-123	-4.0%
32.1%	3,065	2,943	-122	-4.0%
33.3%	2,872	2,940	67	2.3%
34.6%	2,818	2,931	112	4.0%
35.8%	2,816	2,928	112	4.0%
37.0%	2,780	2,818	38	1.4%
38.3%	2,745	2,680	-65	-2.4%
39.5%	2,689	2,669	-19	-0.7%
40.7%	2,592	2,668	76	2.9%
42.0%	2,588	2,666	78	3.0%
43.2%	2,583	2,629	45	1.8%
44.4%	2,576	2,591	14	0.6%
45.7%	2,545	2,588	43	1.7%
46.9%	2,513	2,538	25	1.0%
48.1%	2,420	2,517	98	4.0%
49.4%	2,402	2,511	109	4.5%
50.6%	2,349	2,508	159	6.8%
51.9%	2,287	2,417	130	5.7%
53.1%	2,286	2,383	97	4.2%
54.3%	2,261	2,363	103	4.6%
55.6%	2,247	2,347	99	4.4%
56.8%	2,217	2,237	21	0.9%
58.0%	2,216	2,119	-97	-4.4%
59.3%	2,213	2,072	-142	-6.4%
60.5%	2,176	2,014	-161	-7.4%
61.7%	2,144	1,950	-194	-9.1%
63.0%	2,051	1,924	-128	-6.2%
64.2%	1,926	1,918	-8	-0.4%
65.4%	1,888	1,914	25	1.4%
66.7%	1,848	1,910	62	3.4%
67.9%	1,811	1,909	98	5.4%
69.1%	1,662	1,888	225	13.5%
70.4%	1,662	1,831	169	10.2%
71.6%	1,659	1,735	76	4.6%
72.8%	1,659	1,732	74	4.4%
74.1%	1,659	1,664	6	0.3%
75.3%	1,659	1,661	2	0.1%
76.5%	1,659	1,659	0	0.0%
77.8%	1,553	1,645	92	5.9%
79.0%	1,399	1,644	245	17.5%
80.2%	1,290	1,521	232	18.0%
81.5%	1,279	1,499	220	17.2%
82.7%	1,225	1,498	272	22.2%
84.0%	1,221	1,473	252	20.7%
85.2%	1,172	1,397	225	19.2%
86.4%	1,115	1,304	190	17.0%
87.7%	918	1,075	156	17.0%
88.9%	918	1,031	113	12.3%
90.1%	913	972	60	6.5%
91.4%	890	948	58	6.5%
92.6%	807	904	97	12.0%
93.8%	747	900	153	20.4%
95.1%	734	829	95	13.0%
96.3%	733	749	16	2.2%
97.5%	693	650	-42	-6.1%
98.8%	634	602	-32	-5.1%
100.0%	210	415	206	97.9%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,912	-23	-0.5%
1.2%	4,935	4,544	-391	-7.9%
2.5%	4,924	4,420	-503	-10.2%
3.7%	4,918	4,287	-631	-12.8%
4.9%	4,913	4,234	-678	-13.8%
6.2%	4,888	4,188	-700	-14.3%
7.4%	4,834	4,186	-648	-13.4%
8.6%	4,758	4,134	-624	-13.1%
9.9%	4,655	4,028	-627	-13.5%
11.1%	4,647	3,969	-678	-14.6%
12.3%	4,585	3,947	-638	-13.9%
13.6%	4,420	3,936	-484	-11.0%
14.8%	4,408	3,931	-477	-10.8%
16.0%	4,348	3,923	-425	-9.8%
17.3%	4,287	3,913	-374	-8.7%
18.5%	4,230	3,901	-330	-7.8%
19.8%	4,223	3,893	-331	-7.8%
21.0%	4,188	3,890	-299	-7.1%
22.2%	4,147	3,877	-271	-6.5%
23.5%	4,146	3,827	-319	-7.7%
24.7%	4,113	3,824	-289	-7.0%
25.9%	4,106	3,796	-310	-7.5%
27.2%	3,976	3,761	-216	-5.4%
28.4%	3,902	3,712	-190	-4.9%
29.6%	3,852	3,664	-188	-4.9%
30.9%	3,827	3,589	-238	-6.2%
32.1%	3,799	3,403	-396	-10.4%
33.3%	3,587	3,270	-317	-8.8%
34.6%	3,483	3,269	-214	-6.1%
35.8%	3,221	3,199	-22	-0.7%
37.0%	2,956	2,950	-6	-0.2%
38.3%	2,918	2,874	-44	-1.5%
39.5%	2,879	2,823	-56	-2.0%
40.7%	2,762	2,813	51	1.8%
42.0%	2,721	2,779	58	2.1%
43.2%	2,720	2,692	-28	-1.0%
44.4%	2,569	2,643	74	2.9%
45.7%	2,499	2,605	107	4.3%
46.9%	2,496	2,540	45	1.8%
48.1%	2,436	2,449	13	0.5%
49.4%	2,256	2,444	188	8.3%
50.6%	2,176	2,359	184	8.4%
51.9%	2,170	2,317	147	6.8%
53.1%	2,009	2,149	140	7.0%
54.3%	1,985	2,107	122	6.1%
55.6%	1,955	2,047	92	4.7%
56.8%	1,953	1,822	-131	-6.7%
58.0%	1,951	1,816	-136	-7.0%
59.3%	1,914	1,687	-227	-11.8%
60.5%	1,902	1,585	-317	-16.7%
61.7%	1,862	1,581	-281	-15.1%
63.0%	1,812	1,574	-238	-13.1%
64.2%	1,810	1,514	-296	-16.4%
65.4%	1,734	1,469	-266	-15.3%
66.7%	1,726	1,464	-262	-15.2%
67.9%	1,679	1,462	-217	-12.9%
69.1%	1,583	1,460	-123	-7.8%
70.4%	1,467	1,457	-9	-0.6%
71.6%	1,461	1,454	-7	-0.5%
72.8%	1,459	1,444	-15	-1.0%
74.1%	1,459	1,333	-127	-8.7%
75.3%	1,456	1,309	-147	-10.1%
76.5%	1,426	1,305	-122	-8.5%
77.8%	1,424	1,290	-134	-9.4%
79.0%	1,292	1,278	-13	-1.0%
80.2%	1,252	1,250	-2	-0.1%
81.5%	1,082	1,227	145	13.4%
82.7%	1,056	1,212	156	14.8%
84.0%	946	1,191	245	25.9%
85.2%	923	1,179	256	27.7%
86.4%	907	1,171	264	29.1%
87.7%	889	1,103	213	24.0%
88.9%	839	1,076	236	28.1%
90.1%	829	974	145	17.5%
91.4%	754	935	181	24.0%
92.6%	747	922	175	23.5%
93.8%	747	922	175	23.5%
95.1%	740	859	119	16.1%
96.3%	691	822	131	19.0%
97.5%	503	743	241	47.9%
98.8%	425	690	264	62.2%
100.0%	356	356	0	0.0%

Table SW-29-9a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative D	1,413	2,726	3,303	4,348	4,989	3,607	3,091	3,277	3,145	3,057	2,259	2,339
Difference	59	74	115	56	20	36	40	54	-90	-290	25	-133
Percent Difference[3]	4.4%	2.8%	3.6%	1.3%	0.4%	1.0%	1.3%	1.7%	-2.8%	-8.7%	1.1%	-5.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative D	1,615	3,904	3,622	8,606	9,009	5,918	4,996	5,711	5,450	3,403	3,075	3,644
Difference	146	97	102	53	21	3	-1	0	-12	-177	82	-431
Percent Difference	9.9%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.9%	2.8%	-10.6%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative D	1,371	2,694	2,994	4,676	6,233	5,268	3,236	3,410	2,961	3,847	2,322	2,716
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.5%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.7%	-1.4%	-5.6%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative D	1,544	3,348	3,900	2,298	3,992	2,297	2,898	2,612	2,331	3,840	2,219	2,087
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.4%	2.6%	0.2%	5.0%	-1.7%	1.1%	4.1%	2.2%	-0.8%	-15.5%	4.9%	12.5%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative D	1,309	1,804	4,213	1,522	1,733	1,999	1,709	1,531	1,936	2,760	1,946	1,364
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.7%	7.0%	6.6%	-6.2%	3.0%	4.1%	0.7%	3.3%	-7.6%	-7.1%	-4.8%	-1.9%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative D	1,019	861	862	1,427	1,086	879	1,115	1,265	1,101	1,049	946	893
Difference	59	-27	5	94	0	44	122	235	-332	-185	53	-43
Percent Difference	6.2%	-3.1%	0.5%	7.0%	0.0%	5.3%	12.3%	22.8%	-23.2%	-15.0%	5.9%	-4.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-29-9b
American River at H Street, Monthly Flow
Probability of Exceedance

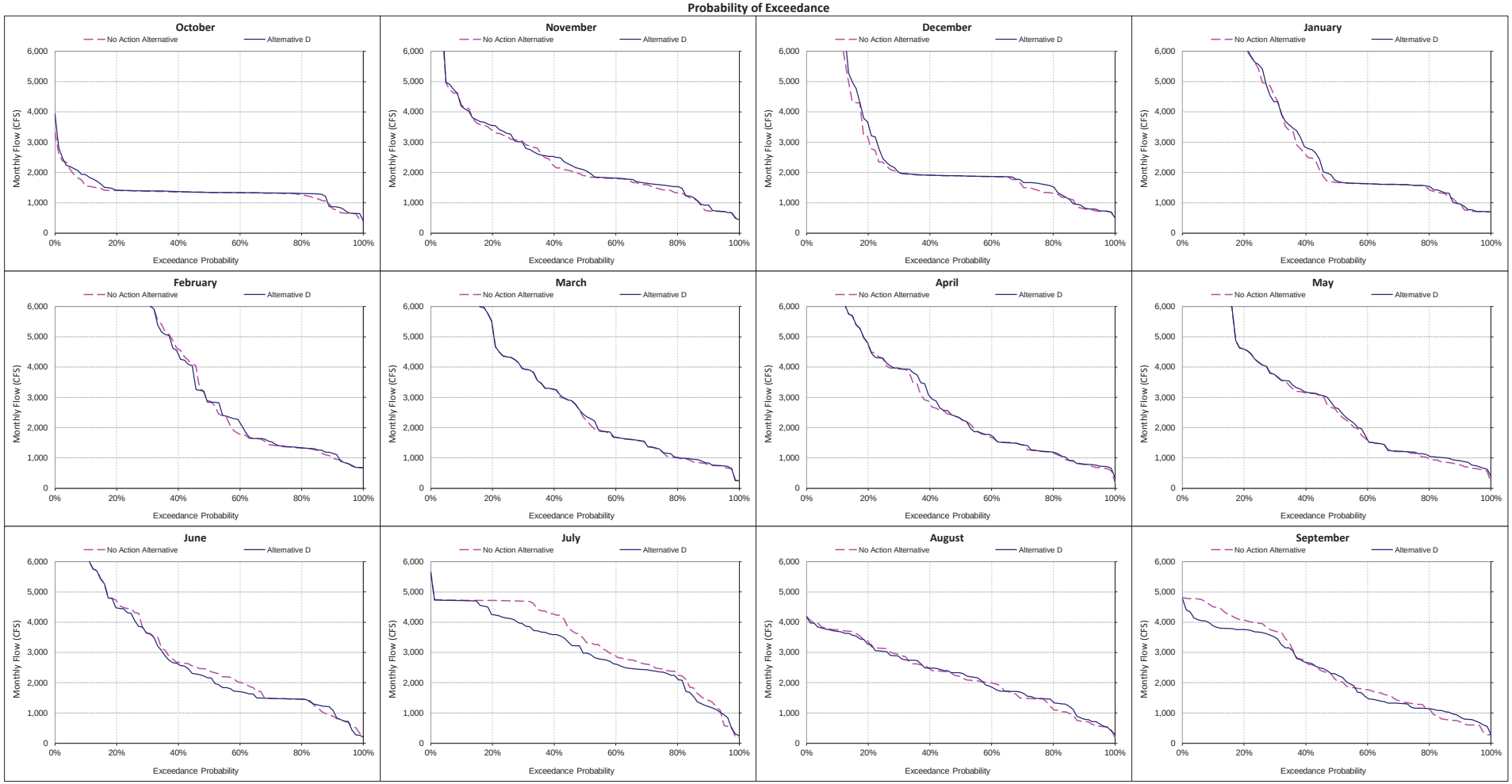

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,937	584	17.4%
1.2%	2,603	2,813	209	8.0%
2.5%	2,376	2,469	93	3.9%
3.7%	2,348	2,240	-109	-4.6%
4.9%	2,096	2,193	97	4.6%
6.2%	1,936	2,130	193	10.0%
7.4%	1,824	2,072	247	13.6%
8.6%	1,750	1,936	186	10.6%
9.9%	1,554	1,932	378	24.3%
11.1%	1,543	1,845	302	19.6%
12.3%	1,526	1,781	255	16.7%
13.6%	1,492	1,720	228	15.3%
14.8%	1,482	1,629	147	9.9%
16.0%	1,412	1,512	100	7.1%
17.3%	1,409	1,496	87	6.2%
18.5%	1,408	1,476	68	4.9%
19.8%	1,406	1,415	9	0.6%
21.0%	1,403	1,407	4	0.3%
22.2%	1,403	1,407	4	0.3%
23.5%	1,399	1,404	5	0.4%
24.7%	1,397	1,400	4	0.3%
25.9%	1,394	1,397	2	0.2%
27.2%	1,393	1,396	4	0.3%
28.4%	1,387	1,394	7	0.5%
29.6%	1,386	1,394	8	0.6%
30.9%	1,382	1,393	10	0.8%
32.1%	1,378	1,391	12	0.9%
33.3%	1,378	1,389	12	0.8%
34.6%	1,377	1,389	12	0.9%
35.8%	1,374	1,384	10	0.8%
37.0%	1,363	1,383	21	1.5%
38.3%	1,359	1,376	17	1.2%
39.5%	1,357	1,372	14	1.0%
40.7%	1,357	1,364	6	0.5%
42.0%	1,357	1,361	4	0.3%
43.2%	1,356	1,357	1	0.1%
44.4%	1,353	1,355	1	0.1%
45.7%	1,350	1,352	2	0.1%
46.9%	1,348	1,352	4	0.3%
48.1%	1,345	1,348	3	0.2%
49.4%	1,344	1,345	1	0.1%
50.6%	1,342	1,343	2	0.1%
51.9%	1,341	1,342	1	0.1%
53.1%	1,341	1,341	1	0.1%
54.3%	1,340	1,340	0	0.0%
55.6%	1,340	1,339	-1	-0.1%
56.8%	1,337	1,338	1	0.1%
58.0%	1,336	1,337	1	0.1%
59.3%	1,335	1,336	1	0.1%
60.5%	1,335	1,336	1	0.1%
61.7%	1,334	1,336	2	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,336	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,328	2	0.2%
67.9%	1,317	1,328	10	0.8%
69.1%	1,316	1,325	9	0.7%
70.4%	1,316	1,325	10	0.7%
71.6%	1,314	1,322	9	0.7%
72.8%	1,313	1,322	8	0.6%
74.1%	1,307	1,320	13	1.0%
75.3%	1,307	1,317	10	0.8%
76.5%	1,306	1,316	10	0.8%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,315	44	3.5%
80.2%	1,267	1,313	47	3.7%
81.5%	1,231	1,308	77	6.2%
82.7%	1,210	1,305	95	7.8%
84.0%	1,166	1,296	131	11.2%
85.2%	1,128	1,292	164	14.5%
86.4%	1,082	1,279	197	18.2%
87.7%	1,053	1,218	166	15.7%
88.9%	969	871	-98	-10.1%
90.1%	784	870	87	11.0%
91.4%	771	858	86	11.2%
92.6%	673	838	165	24.5%
93.8%	663	763	100	15.0%
95.1%	644	682	38	5.9%
96.3%	643	651	8	1.2%
97.5%	641	643	2	0.3%
98.8%	433	643	210	48.6%
100.0%	393	393	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,091	309	4.6%
4.9%	4,957	4,975	18	0.4%
6.2%	4,731	4,913	181	3.8%
7.4%	4,628	4,744	117	2.5%
8.6%	4,621	4,612	-9	-0.2%
9.9%	4,251	4,187	-63	-1.5%
11.1%	4,110	4,099	-11	-0.3%
12.3%	4,109	4,024	-85	-2.1%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,740	104	2.9%
16.0%	3,582	3,681	99	2.8%
17.3%	3,566	3,657	92	2.6%
18.5%	3,506	3,601	95	2.7%
19.8%	3,401	3,548	148	4.3%
21.0%	3,298	3,543	245	7.4%
22.2%	3,295	3,416	121	3.7%
23.5%	3,235	3,366	131	4.0%
24.7%	3,202	3,294	92	2.9%
25.9%	3,101	3,264	162	5.2%
27.2%	3,085	3,050	-35	-1.1%
28.4%	3,069	3,015	-54	-1.8%
29.6%	3,039	3,011	-28	-0.9%
30.9%	2,917	2,801	-116	-4.0%
32.1%	2,877	2,760	-117	-4.1%
33.3%	2,829	2,677	-152	-5.4%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,576	-37	-1.4%
37.0%	2,488	2,556	68	2.7%
38.3%	2,450	2,532	82	3.4%
39.5%	2,263	2,532	269	11.9%
40.7%	2,152	2,498	346	16.1%
42.0%	2,151	2,485	335	15.6%
43.2%	2,091	2,355	264	12.6%
44.4%	2,079	2,288	209	10.1%
45.7%	2,040	2,227	187	9.2%
46.9%	1,983	2,165	182	9.2%
48.1%	1,968	2,127	159	8.1%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,046	162	8.6%
51.9%	1,847	1,964	118	6.4%
53.1%	1,840	1,855	15	0.8%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,840	15	0.8%
56.8%	1,813	1,838	25	1.4%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,815	19	1.1%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,791	15	0.8%
64.2%	1,757	1,776	20	1.1%
65.4%	1,667	1,766	99	5.9%
66.7%	1,666	1,700	34	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,643	55	3.5%
71.6%	1,530	1,615	86	5.6%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,598	138	9.4%
75.3%	1,423	1,575	151	10.6%
76.5%	1,421	1,565	143	10.1%
77.8%	1,404	1,561	157	11.2%
79.0%	1,340	1,535	195	14.6%
80.2%	1,324	1,530	206	15.6%
81.5%	1,311	1,471	160	12.2%
82.7%	1,240	1,227	-13	-1.1%
84.0%	1,162	1,225	63	5.4%
85.2%	1,137	1,170	33	2.9%
86.4%	1,061	1,069	8	0.8%
87.7%	894	947	53	6.0%
88.9%	748	925	177	23.7%
90.1%	725	918	193	26.6%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	682	0	0.0%
97.5%	672	674	2	0.2%
98.8%	513	483	-31	-6.0%
100.0%	377	447	70	18.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,510	718	3.6%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	15,657	-223	-1.4%
3.7%	15,689	15,626	-64	-0.4%
4.9%	13,769	13,762	-7	-0.1%
6.2%	12,867	13,635	767	6.0%
7.4%	8,949	9,004	55	0.6%
8.6%	8,757	8,749	-8	-0.1%
9.9%	7,132	7,129	-3	0.0%
11.1%	6,576	6,676	100	1.5%
12.3%	5,740	6,576	836	14.6%
13.6%	5,025	5,285	260	5.2%
14.8%	4,349	4,981	631	14.5%
16.0%	4,306	4,763	457	10.6%
17.3%	4,294	4,291	-3	-0.1%
18.5%	3,212	3,784	572	17.8%
19.8%	3,196	3,671	475	14.9%
21.0%	2,781	3,208	426	15.3%
22.2%	2,742	3,177	435	15.9%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,466	124	5.3%
25.9%	2,221	2,332	111	5.0%
27.2%	2,096	2,221	125	5.9%
28.4%	2,059	2,168	109	5.3%
29.6%	2,002	2,015	13	0.7%
30.9%	1,969	1,972	3	0.1%
32.1%	1,950	1,967	17	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,908	-2	-0.1%
42.0%	1,899	1,900	1	0.0%
43.2%	1,897	1,899	2	0.1%
44.4%	1,896	1,898	1	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,882	-2	-0.1%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,879	1	0.0%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,873	-4	-0.2%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,869	-1	-0.1%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,868	10	0.5%
63.0%	1,857	1,862	6	0.3%
64.2%	1,856	1,858	2	0.1%
65.4%	1,846	1,857	11	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,780	12	0.7%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.1%
71.6%	1,500	1,668	168	11.2%
72.8%	1,486	1,663	177	11.9%
74.1%	1,441	1,651	210	14.6%
75.3%	1,400	1,640	240	17.1%
76.5%	1,342	1,617	275	20.5%
77.8%	1,340	1,581	241	18.0%
79.0%	1,333	1,570	237	17.8%
80.2%	1,303	1,504	202	15.5%
81.5%	1,285	1,329	44	3.4%
82.7%	1,181	1,259	78	6.6%
84.0%	1,178	1,191	13	1.1%
85.2%	1,132	1,115	-17	-1.5%
86.4%	1,094	970	-125	-11.4%
87.7%	852	946	95	11.1%
88.9%	829	921	92	11.1%
90.1%	799	826	27	3.4%
91.4%	790	797	7	0.9%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	730	9	1.2%
97.5%	718	722	3	0.5%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	30,565	-706	-2.3%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,638	-10	-0.1%
3.7%	15,531	15,821	290	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,795	-6	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,740	-5	0.0%
9.9%	10,534	10,595	61	0.6%
11.1%	9,896	10,277	381	3.9%
12.3%	9,298	9,288	-10	-0.1%
13.6%	9,052	9,053	1	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,406	-56	-0.7%
18.5%	6,778	6,708	-71	-1.0%
19.8%	6,640	6,524	-116	-1.7%
21.0%	6,012	6,045	33	0.5%
22.2%	5,818	5,838	20	0.3%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,565	148	2.7%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,894	-13	-0.3%
28.4%	4,861	4,552	-309	-6.4%
29.6%	4,565	4,340	-226	-4.9%
30.9%	4,346	4,338	-8	-0.2%
32.1%	3,937	3,932	-5	-0.1%
33.3%	3,528	3,692	164	4.7%
34.6%	3,392	3,579	188	5.5%
35.8%	3,364	3,469	105	3.1%
37.0%	2,907	3,373	466	16.0%
38.3%	2,782	3,156	374	13.4%
39.5%	2,644	2,853	209	7.9%
40.7%	2,487	2,791	304	12.2%
42.0%	2,482	2,759	277	11.2%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,440	361	17.3%
45.7%	1,863	2,018	155	8.3%
46.9%	1,712	1,988	276	16.1%
48.1%	1,704	1,925	221	13.0%
49.4%	1,676	1,750	75	4.4%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,638	7	0.4%
59.3%	1,631	1,631	0	0.0%
60.5%	1,627	1,629	3	0.2%
61.7%	1,621	1,627	5	0.3%
63.0%	1,616	1,616	0	0.0%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,600	0	0.0%
71.6%	1,599	1,599	0	0.0%
72.8%	1,597	1,597	0	0.0%
74.1%	1,582	1,582	0	0.0%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,558	40	2.7%
80.2%	1,418	1,526	108	7.6%
81.5%	1,375	1,426	50	3.7%
82.7%	1,340	1,424	84	6.2%
84.0%	1,325	1,373	48	3.6%
85.2%	1,296	1,327	32	2.4%
86.4%	1,173	1,317	144	12.3%
87.7%	1,149	1,018	-131	-11.4%
88.9%	1,016	982	-34	-3.4%
90.1%	973	952	-22	-2.2%
91.4%	774	876	102	13.2%
92.6%	748	774	26	3.5%
93.8%	721	772	51	7.1%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	708	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,215	-11	0.0%
1.2%	15,568	15,437	-131	-0.8%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,465	10	0.1%
4.9%	13,388	13,392	4	0.0%
6.2%	13,055	13,045	-10	-0.1%
7.4%	12,559	12,849	290	2.3%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,314	-5	0.0%
11.1%	11,196	11,186	-10	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,508	1	0.0%
14.8%	10,012	10,009	-3	0.0%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,152	-13	-0.1%
21.0%	7,881	8,435	554	7.0%
22.2%	7,868	7,862	-6	-0.1%
23.5%	7,716	7,371	-345	-4.5%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,028	-2	0.0%
27.2%	6,732	6,701	-30	-0.5%
28.4%	6,105	6,578	473	7.7%
29.6%	6,075	6,076	1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,398	-154	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,044	-30	-0.6%
38.3%	4,864	4,620	-243	-5.0%
39.5%	4,621	4,547	-74	-1.6%
40.7%	4,549	4,256	-293	-6.4%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,234	-59	-1.8%
48.1%	3,218	3,210	-8	-0.2%
49.4%	2,895	2,846	-48	-1.7%
50.6%	2,865	2,843	-22	-0.8%
51.9%	2,723	2,841	118	4.3%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,402	6	0.3%
55.6%	2,347	2,382	35	1.5%
56.8%	2,066	2,338	272	13.2%
58.0%	1,895	2,297	401	21.2%
59.3%	1,814	2,275	461	25.4%
60.5%	1,754	2,067	313	17.9%
61.7%	1,747	1,855	108	6.2%
63.0%	1,646	1,686	40	2.5%
64.2%	1,642	1,646	4	0.2%
65.4%	1,640	1,642	2	0.1%
66.7%	1,622	1,640	18	1.1%
67.9%	1,556	1,622	66	4.2%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,527	93	6.5%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,397	4	0.3%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,303	29	2.3%
85.2%	1,253	1,261	8	0.7%
86.4%	1,152	1,259	108	9.4%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,150	164	16.6%
91.4%	954	1,108	154	16.1%
92.6%	936	887	-49	-5.3%
93.8%	842	849	7	0.8%
95.1%	815	815	0	0.0%
96.3%	731	755	23	3.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,577	6	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,302	426	3.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,378	584	7.5%
11.1%	7,547	7,662	115	1.5%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,967	-2	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	2	0.0%
23.5%	4,368	4,362	-6	-0.1%
24.7%	4,347	4,341	-6	-0.1%
25.9%	4,330	4,320	-10	-0.2%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,907	-2	0.0%
33.3%	3,831	3,809	-21	-0.6%
34.6%	3,544	3,555	11	0.3%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-2	-0.1%
42.0%	2,998	3,063	66	2.2%
43.2%	2,979	2,975	-4	-0.1%
44.4%	2,924	2,914	-11	-0.4%
45.7%	2,880	2,887	7	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,445	82	3.5%
50.6%	2,223	2,350	127	5.7%
51.9%	2,080	2,299	219	10.5%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,935	53	2.8%
55.6%	1,872	1,885	14	0.7%
56.8%	1,864	1,867	4	0.2%
58.0%	1,788	1,863	75	4.2%
59.3%	1,678	1,702	24	1.4%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,547	-5	-0.3%
70.4%	1,383	1,362	-22	-1.6%
71.6%	1,362	1,360	-1	-0.1%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,171	-2	-0.2%
76.5%	1,055	1,158	102	9.7%
77.8%	1,035	1,140	105	10.1%
79.0%	1,014	1,028	15	1.4%
80.2%	1,000	1,017	17	1.7%
81.5%	974	992	17	1.8%
82.7%	969	989	20	2.1%
84.0%	932	976	43	4.7%
85.2%	865	957	92	10.6%
86.4%	854	948	94	11.0%
87.7%	833	903	70	8.4%
88.9%	823	844	22	2.6%
90.1%	757	833	76	10.0%
91.4%	753	762	9	1.2%
92.6%	743	753	10	1.3%
93.8%	743	743	0	0.0%
95.1%	685	739	54	7.9%
96.3%	664	722	58	8.7%
97.5%	655	649	-7	-1.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,287	-1	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,696	3	0.1%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,323	-138	-3.1%
23.5%	4,336	4,306	-30	-0.7%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,128	87	2.2%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,933	7	0.2%
33.3%	3,812	3,931	120	3.1%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,746	280	8.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,455	532	18.2%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,937	258	9.6%
42.0%	2,643	2,879	235	8.9%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,379	-9	-0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,245	-9	-0.4%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	1,983	-132	-6.2%
54.3%	1,983	1,869	-114	-5.7%
55.6%	1,869	1,867	-2	-0.1%
56.8%	1,823	1,795	-28	-1.5%
58.0%	1,777	1,779	2	0.1%
59.3%	1,702	1,776	74	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,541	-20	-1.3%
63.0%	1,525	1,512	-13	-0.8%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,493	-10	-0.7%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,450	0	0.0%
70.4%	1,427	1,422	-5	-0.4%
71.6%	1,269	1,412	142	11.2%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,236	18	1.5%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,205	6	0.5%
80.2%	1,155	1,184	30	2.6%
81.5%	1,098	1,143	45	4.1%
82.7%	1,054	1,052	-2	-0.2%
84.0%	948	1,032	85	8.9%
85.2%	919	913	-5	-0.6%
86.4%	899	911	12	1.3%
87.7%	850	815	-35	-4.2%
88.9%	798	812	14	1.7%
90.1%	783	797	13	1.7%
91.4%	783	792	9	1.1%
92.6%	720	777	57	7.9%
93.8%	685	762	77	11.3%
95.1%	680	727	47	6.9%
96.3%	654	719	65	9.9%
97.5%	640	709	69	10.8%
98.8%	579	658	80	13.8%
100.0%	188	345	157	83.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,874	-15	-0.3%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,072	9	0.2%
27.2%	4,060	4,029	-30	-0.7%
28.4%	3,817	3,794	-23	-0.6%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,681	25	0.7%
32.1%	3,550	3,571	22	0.6%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,317	121	3.8%
38.3%	3,191	3,275	84	2.6%
39.5%	3,160	3,191	31	1.0%
40.7%	3,142	3,162	20	0.6%
42.0%	3,134	3,142	9	0.3%
43.2%	3,121	3,134	13	0.4%
44.4%	3,060	3,081	21	0.7%
45.7%	3,034	3,060	26	0.9%
46.9%	2,760	3,005	245	8.9%
48.1%	2,674	2,852	179	6.7%
49.4%	2,626	2,671	45	1.7%
50.6%	2,465	2,626	161	6.5%
51.9%	2,333	2,465	132	5.7%
53.1%	2,254	2,333	79	3.5%
54.3%	2,151	2,243	93	4.3%
55.6%	2,011	2,151	139	6.9%
56.8%	1,969	2,010	41	2.1%
58.0%	1,750	1,971	220	12.6%
59.3%	1,649	1,750	102	6.2%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,277	42	3.4%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,228	11	0.9%
70.4%	1,211	1,221	10	0.9%
71.6%	1,210	1,217	7	0.5%
72.8%	1,201	1,210	9	0.7%
74.1%	1,154	1,201	47	4.1%
75.3%	1,153	1,187	35	3.0%
76.5%	1,090	1,141	51	4.7%
77.8%	1,038	1,141	102	9.9%
79.0%	1,029	1,114	85	8.2%
80.2%	947	1,045	98	10.4%
81.5%	941	1,042	101	10.7%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	141	16.3%
86.4%	845	985	139	16.5%
87.7%	830	939	109	13.2%
88.9%	796	923	128	16.0%
90.1%	768	909	140	18.3%
91.4%	716	878	162	22.6%
92.6%	698	858	160	23.0%
93.8%	661	761	100	15.2%
95.1%	649	748	99	15.3%
96.3%	627	705	78	12.5%
97.5%	594	661	67	11.3%
98.8%	571	626	55	9.6%
100.0%	188	390	202	107.4%

Table SW-29-9b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,800	-17	-0.4%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,482	-257	-5.4%
21.0%	4,541	4,450	-90	-2.0%
22.2%	4,482	4,442	-40	-0.9%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,039	-276	-6.4%
27.2%	4,294	3,857	-437	-10.2%
28.4%	3,813	3,842	29	0.8%
29.6%	3,647	3,647	0	0.0%
30.9%	3,617	3,617	0	0.0%
32.1%	3,526	3,500	-26	-0.7%
33.3%	3,500	3,214	-287	-8.2%
34.6%	3,143	3,065	-78	-2.5%
35.8%	3,065	2,879	-186	-6.1%
37.0%	2,864	2,746	-118	-4.1%
38.3%	2,776	2,657	-119	-4.3%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,571	-91	-3.4%
42.0%	2,639	2,553	-86	-3.2%
43.2%	2,635	2,457	-177	-6.7%
44.4%	2,553	2,309	-245	-9.6%
45.7%	2,528	2,294	-233	-9.2%
46.9%	2,468	2,268	-200	-8.1%
48.1%	2,464	2,223	-241	-9.8%
49.4%	2,447	2,161	-286	-11.7%
50.6%	2,363	2,159	-204	-8.6%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,932	-364	-15.8%
54.3%	2,197	1,839	-358	-16.3%
55.6%	2,193	1,837	-355	-16.2%
56.8%	2,176	1,806	-370	-17.0%
58.0%	2,116	1,720	-396	-18.7%
59.3%	2,029	1,712	-318	-15.6%
60.5%	1,997	1,696	-301	-15.1%
61.7%	1,966	1,670	-296	-15.1%
63.0%	1,882	1,631	-250	-13.3%
64.2%	1,839	1,627	-211	-11.5%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,356	-47	-3.4%
84.0%	1,254	1,293	40	3.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,238	193	18.4%
87.7%	980	1,220	240	24.5%
88.9%	946	1,206	261	27.5%
90.1%	889	1,087	198	22.2%
91.4%	814	829	15	1.9%
92.6%	803	782	-21	-2.6%
93.8%	726	726	0	0.0%
95.1%	690	724	33	4.8%
96.3%	550	430	-120	-21.8%
97.5%	511	282	-229	-44.8%
98.8%	332	260	-71	-21.5%
100.0%	188	205	17	9.3%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,720	-7	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,717	-9	-0.2%
11.1%	4,724	4,716	-7	-0.2%
12.3%	4,723	4,709	-14	-0.3%
13.6%	4,723	4,705	-18	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,552	-168	-3.6%
17.3%	4,719	4,530	-188	-4.0%
18.5%	4,718	4,504	-214	-4.5%
19.8%	4,717	4,252	-465	-9.9%
21.0%	4,717	4,232	-485	-10.3%
22.2%	4,716	4,213	-503	-10.7%
23.5%	4,712	4,157	-555	-11.8%
24.7%	4,709	4,132	-577	-12.3%
25.9%	4,707	4,115	-592	-12.6%
27.2%	4,707	4,072	-635	-13.5%
28.4%	4,702	3,986	-716	-15.2%
29.6%	4,698	3,960	-739	-15.7%
30.9%	4,690	3,869	-821	-17.5%
32.1%	4,684	3,853	-831	-17.7%
33.3%	4,623	3,723	-901	-19.5%
34.6%	4,424	3,713	-710	-16.1%
35.8%	4,373	3,670	-703	-16.1%
37.0%	4,364	3,663	-701	-16.1%
38.3%	4,288	3,613	-675	-15.8%
39.5%	4,282	3,593	-689	-16.1%
40.7%	4,233	3,588	-644	-15.2%
42.0%	4,232	3,546	-686	-16.2%
43.2%	4,105	3,480	-624	-15.2%
44.4%	3,838	3,355	-483	-12.6%
45.7%	3,723	3,230	-493	-13.2%
46.9%	3,639	3,223	-416	-11.4%
48.1%	3,615	3,219	-395	-10.9%
49.4%	3,480	2,977	-503	-14.5%
50.6%	3,323	2,976	-346	-10.4%
51.9%	3,319	2,925	-394	-11.9%
53.1%	3,262	2,827	-435	-13.3%
54.3%	3,260	2,792	-468	-14.3%
55.6%	3,123	2,772	-351	-11.2%
56.8%	3,068	2,754	-314	-10.2%
58.0%	2,979	2,710	-269	-9.0%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,602	-232	-8.2%
61.7%	2,819	2,544	-275	-9.8%
63.0%	2,772	2,504	-268	-9.7%
64.2%	2,754	2,475	-279	-10.1%
65.4%	2,750	2,466	-284	-10.3%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,441	-217	-8.2%
69.1%	2,623	2,436	-187	-7.1%
70.4%	2,609	2,421	-188	-7.2%
71.6%	2,578	2,400	-178	-6.9%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,358	-108	-4.4%
75.3%	2,457	2,352	-105	-4.3%
76.5%	2,396	2,304	-92	-3.8%
77.8%	2,383	2,247	-136	-5.7%
79.0%	2,382	2,238	-144	-6.0%
80.2%	2,247	2,101	-147	-6.5%
81.5%	2,225	2,077	-148	-6.6%
82.7%	2,102	1,709	-394	-18.7%
84.0%	1,849	1,682	-167	-9.0%
85.2%	1,824	1,544	-280	-15.4%
86.4%	1,644	1,365	-278	-16.9%
87.7%	1,542	1,313	-229	-14.9%
88.9%	1,443	1,250	-193	-13.4%
90.1%	1,413	1,207	-206	-14.6%
91.4%	1,349	1,165	-184	-13.6%
92.6%	1,190	1,108	-82	-6.9%
93.8%	1,091	1,027	-64	-5.9%
95.1%	588	940	352	60.0%
96.3%	556	840	284	51.0%
97.5%	546	490	-56	-10.3%
98.8%	188	304	116	61.6%
100.0%	188	251	63	33.6%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,838	-129	-3.2%
4.9%	3,838	3,809	-29	-0.8%
6.2%	3,809	3,778	-31	-0.8%
7.4%	3,778	3,747	-31	-0.8%
8.6%	3,757	3,717	-40	-1.1%
9.9%	3,747	3,703	-44	-1.2%
11.1%	3,742	3,685	-57	-1.5%
12.3%	3,717	3,634	-84	-2.3%
13.6%	3,703	3,631	-72	-1.9%
14.8%	3,685	3,575	-111	-3.0%
16.0%	3,634	3,538	-95	-2.6%
17.3%	3,548	3,451	-97	-2.7%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,283	-110	-3.2%
21.0%	3,192	3,255	64	2.0%
22.2%	3,157	3,058	-98	-3.1%
23.5%	3,143	3,052	-92	-2.9%
24.7%	3,136	3,035	-101	-3.2%
25.9%	3,125	3,031	-95	-3.0%
27.2%	3,008	2,903	-105	-3.5%
28.4%	2,967	2,891	-76	-2.6%
29.6%	2,941	2,887	-54	-1.8%
30.9%	2,892	2,785	-107	-3.7%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,746	58	2.2%
34.6%	2,628	2,742	114	4.4%
35.8%	2,625	2,734	109	4.1%
37.0%	2,594	2,626	32	1.2%
38.3%	2,562	2,491	-71	-2.8%
39.5%	2,501	2,484	-17	-0.7%
40.7%	2,398	2,481	82	3.4%
42.0%	2,393	2,475	81	3.4%
43.2%	2,391	2,439	48	2.0%
44.4%	2,372	2,402	30	1.3%
45.7%	2,360	2,398	38	1.6%
46.9%	2,323	2,334	11	0.5%
48.1%	2,238	2,334	96	4.3%
49.4%	2,224	2,331	108	4.8%
50.6%	2,158	2,307	149	6.9%
51.9%	2,098	2,227	130	6.2%
53.1%	2,079	2,198	119	5.7%
54.3%	2,074	2,182	108	5.2%
55.6%	2,063	2,153	91	4.4%
56.8%	2,029	2,052	24	1.2%
58.0%	2,020	1,932	-88	-4.4%
59.3%	2,013	1,889	-124	-6.2%
60.5%	1,982	1,828	-154	-7.8%
61.7%	1,949	1,755	-194	-10.0%
63.0%	1,866	1,724	-143	-7.6%
64.2%	1,726	1,722	-4	-0.3%
65.4%	1,699	1,717	18	1.1%
66.7%	1,667	1,715	48	2.9%
67.9%	1,617	1,714	96	6.0%
69.1%	1,489	1,699	210	14.1%
70.4%	1,489	1,641	152	10.2%
71.6%	1,482	1,551	69	4.7%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	9	0.6%
76.5%	1,466	1,474	7	0.5%
77.8%	1,370	1,459	89	6.5%
79.0%	1,213	1,459	246	20.3%
80.2%	1,102	1,334	232	21.1%
81.5%	1,093	1,316	223	20.4%
82.7%	1,041	1,305	263	25.3%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,217	225	22.6%
86.4%	922	1,116	194	21.1%
87.7%	750	891	141	18.7%
88.9%	728	844	115	15.8%
90.1%	723	787	63	8.8%
91.4%	703	780	77	11.0%
92.6%	624	717	93	14.9%
93.8%	571	715	144	25.2%
95.1%	561	640	79	14.2%
96.3%	549	559	11	1.9%
97.5%	545	529	-17	-3.1%
98.8%	444	411	-32	-7.3%
100.0%	188	298	110	58.3%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,399	-392	-8.2%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,144	-634	-13.3%
4.9%	4,773	4,081	-692	-14.5%
6.2%	4,751	4,051	-700	-14.7%
7.4%	4,679	4,039	-640	-13.7%
8.6%	4,607	3,983	-624	-13.5%
9.9%	4,514	3,880	-634	-14.0%
11.1%	4,494	3,834	-660	-14.7%
12.3%	4,463	3,801	-662	-14.8%
13.6%	4,341	3,800	-540	-12.5%
14.8%	4,265	3,795	-470	-11.0%
16.0%	4,210	3,789	-422	-10.0%
17.3%	4,144	3,762	-383	-9.2%
18.5%	4,089	3,757	-332	-8.1%
19.8%	4,080	3,756	-324	-7.9%
21.0%	4,039	3,750	-290	-7.2%
22.2%	4,004	3,722	-282	-7.1%
23.5%	4,001	3,684	-317	-7.9%
24.7%	3,965	3,678	-287	-7.2%
25.9%	3,960	3,657	-303	-7.6%
27.2%	3,840	3,621	-219	-5.7%
28.4%	3,758	3,571	-187	-5.0%
29.6%	3,712	3,520	-192	-5.2%
30.9%	3,684	3,443	-240	-6.5%
32.1%	3,660	3,257	-403	-11.0%
33.3%	3,453	3,158	-296	-8.6%
34.6%	3,337	3,153	-184	-5.5%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,805	-8	-0.3%
38.3%	2,784	2,764	-21	-0.7%
39.5%	2,739	2,686	-52	-1.9%
40.7%	2,610	2,662	52	2.0%
42.0%	2,588	2,633	46	1.8%
43.2%	2,569	2,540	-29	-1.1%
44.4%	2,428	2,491	63	2.6%
45.7%	2,368	2,468	100	4.2%
46.9%	2,350	2,397	48	2.0%
48.1%	2,286	2,303	18	0.8%
49.4%	2,119	2,303	183	8.7%
50.6%	2,029	2,228	199	9.8%
51.9%	2,027	2,184	157	7.7%
53.1%	1,897	2,040	143	7.5%
54.3%	1,842	1,966	124	6.7%
55.6%	1,835	1,908	73	4.0%
56.8%	1,813	1,689	-124	-6.8%
58.0%	1,806	1,672	-134	-7.4%
59.3%	1,776	1,541	-235	-13.2%
60.5%	1,763	1,461	-302	-17.1%
61.7%	1,722	1,448	-274	-15.9%
63.0%	1,671	1,431	-240	-14.4%
64.2%	1,665	1,396	-270	-16.2%
65.4%	1,610	1,374	-236	-14.7%
66.7%	1,585	1,327	-258	-16.3%
67.9%	1,535	1,323	-212	-13.8%
69.1%	1,438	1,323	-115	-8.0%
70.4%	1,396	1,319	-77	-5.5%
71.6%	1,357	1,310	-48	-3.5%
72.8%	1,339	1,300	-39	-2.9%
74.1%	1,318	1,190	-129	-9.8%
75.3%	1,312	1,162	-150	-11.4%
76.5%	1,286	1,159	-127	-9.8%
77.8%	1,280	1,157	-123	-9.6%
79.0%	1,150	1,154	5	0.4%
80.2%	1,109	1,144	36	3.2%
81.5%	944	1,115	171	18.1%
82.7%	906	1,084	177	19.5%
84.0%	805	1,080	275	34.2%
85.2%	790	1,042	252	31.8%
86.4%	771	1,027	256	33.2%
87.7%	758	964	206	27.1%
88.9%	754	938	184	24.4%
90.1%	707	853	146	20.7%
91.4%	633	799	165	26.1%
92.6%	606	789	183	30.3%
93.8%	605	781	176	29.1%
95.1%	603	728	125	20.7%
96.3%	598	680	82	13.7%
97.5%	367	602	236	64.3%
98.8%	281	554	273	97.0%
100.0%	281	281	0	0.0%

Table SW-46-9a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,391	3,310	5,688	8,005	8,934	9,288	5,661	6,395	5,916	8,753	5,958	5,411
Alternative D	3,257	3,280	5,497	8,038	9,001	9,321	5,620	6,393	5,843	8,701	6,108	5,642
Difference	-134	-29	-191	34	67	32	-40	-2	-73	-52	150	231
Percent Difference[3]	-4.0%	-0.9%	-3.4%	0.4%	0.7%	0.3%	-0.7%	0.0%	-1.2%	-0.6%	2.5%	4.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	4,413	4,541	7,604	17,055	17,558	18,241	10,720	12,703	9,229	8,577	5,372	9,157
Alternative D	4,254	4,399	7,141	17,266	17,740	18,332	10,734	12,703	9,321	8,638	5,404	9,536
Difference	-159	-142	-463	211	182	91	15	0	92	61	32	380
Percent Difference	-3.6%	-3.1%	-6.1%	1.2%	1.0%	0.5%	0.1%	0.0%	1.0%	0.7%	0.6%	4.1%
Above Normal (15%)												
No Action Alternative	4,143	3,418	5,228	7,269	9,498	11,635	5,461	6,404	5,931	10,210	7,446	7,683
Alternative D	4,051	3,489	4,618	7,471	9,389	11,669	5,461	6,680	6,286	10,185	7,025	8,026
Difference	-92	72	-610	202	-109	34	0	277	355	-24	-421	343
Percent Difference	-2.2%	2.1%	-11.7%	2.8%	-1.1%	0.3%	0.0%	4.3%	6.0%	-0.2%	-5.7%	4.5%
Below Normal (17%)												
No Action Alternative	3,332	3,305	5,318	3,740	5,403	4,142	3,451	3,136	4,345	9,846	7,514	3,235
Alternative D	3,137	3,428	5,970	3,487	5,658	4,354	3,451	3,118	4,573	9,753	7,112	2,956
Difference	-195	122	652	-253	256	213	0	-18	227	-94	-402	-279
Percent Difference	-5.9%	3.7%	12.3%	-6.8%	4.7%	5.1%	0.0%	-0.6%	5.2%	-1.0%	-5.3%	-8.6%
Dry (22%)												
No Action Alternative	2,533	2,504	5,639	2,611	3,179	3,379	2,652	2,642	4,174	8,766	6,649	2,492
Alternative D	2,416	2,460	5,340	2,553	3,139	3,156	2,583	2,497	3,699	8,355	7,141	2,911
Difference	-117	-44	-299	-57	-40	-223	-68	-145	-475	-411	492	419
Percent Difference	-4.6%	-1.8%	-5.3%	-2.2%	-1.3%	-6.6%	-2.6%	-5.5%	-11.4%	-4.7%	7.4%	16.8%
Critical (15%)												
No Action Alternative	1,779	1,747	2,504	2,197	2,437	2,414	1,990	2,149	3,166	6,382	2,885	1,941
Alternative D	1,703	1,704	2,498	2,150	2,369	2,490	1,784	2,097	2,561	6,642	3,992	2,049
Difference	-76	-43	-6	-48	-67	76	-205	-52	-605	260	1,107	108
Percent Difference	-4.3%	-2.4%	-0.2%	-2.2%	-2.8%	3.2%	-10.3%	-2.4%	-19.1%	4.1%	38.4%	5.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-46-9b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

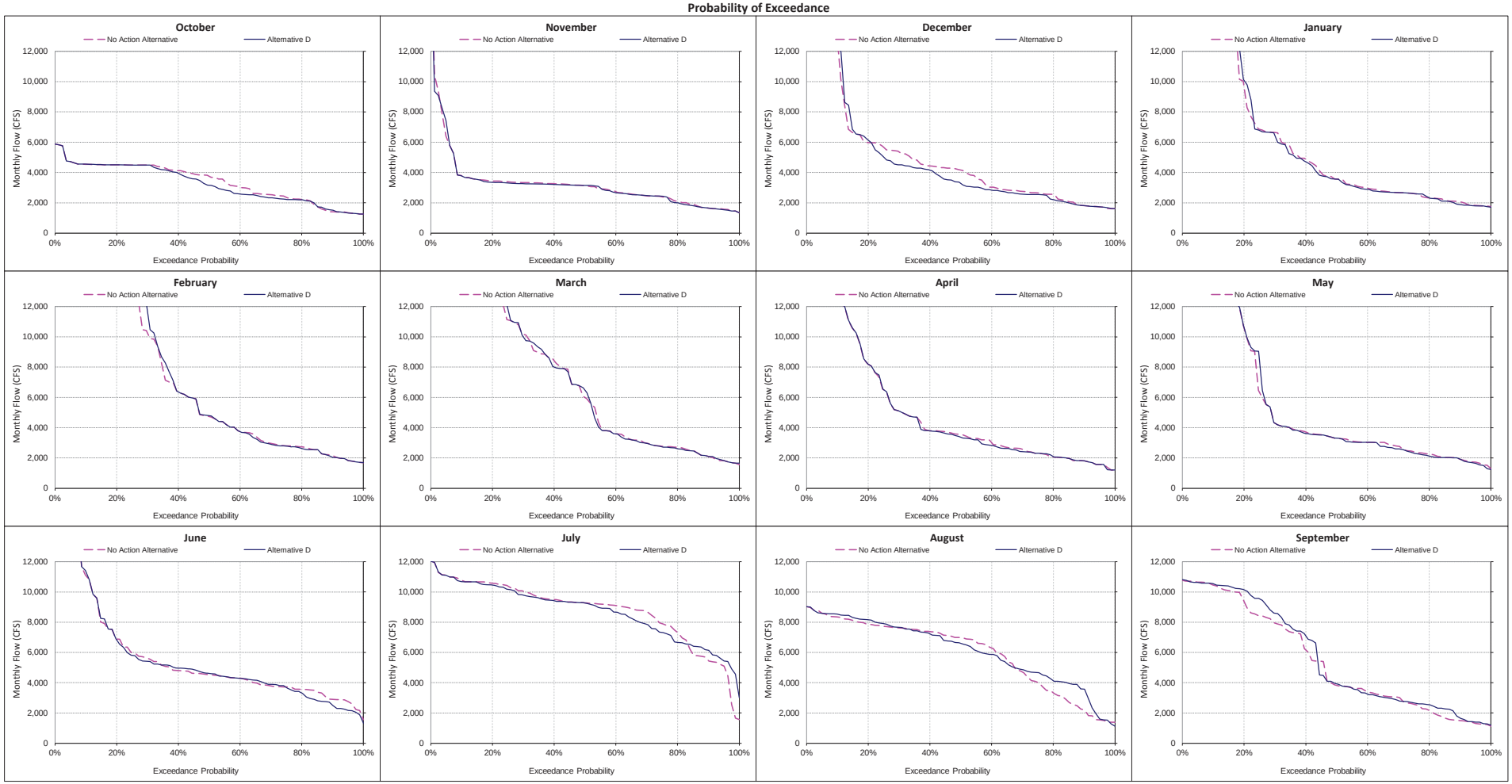

Table SW-46-9b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,884	5,877	-7	-0.1%
1.2%	5,836	5,836	0	0.0%
2.5%	5,768	5,768	0	0.0%
3.7%	4,757	4,757	-1	0.0%
4.9%	4,732	4,731	-1	0.0%
6.2%	4,640	4,640	0	0.0%
7.4%	4,558	4,561	3	0.1%
8.6%	4,556	4,558	2	0.0%
9.9%	4,548	4,556	9	0.2%
11.1%	4,547	4,547	-1	0.0%
12.3%	4,526	4,547	21	0.5%
13.6%	4,523	4,522	0	0.0%
14.8%	4,519	4,519	0	0.0%
16.0%	4,514	4,514	0	0.0%
17.3%	4,510	4,506	-4	-0.1%
18.5%	4,507	4,505	-2	0.0%
19.8%	4,505	4,504	-1	0.0%
21.0%	4,501	4,501	0	0.0%
22.2%	4,499	4,499	0	0.0%
23.5%	4,496	4,497	1	0.0%
24.7%	4,493	4,492	-1	0.0%
25.9%	4,492	4,491	-1	0.0%
27.2%	4,492	4,490	-2	0.0%
28.4%	4,491	4,490	-1	0.0%
29.6%	4,489	4,489	0	0.0%
30.9%	4,489	4,484	-5	-0.1%
32.1%	4,484	4,344	-141	-3.1%
33.3%	4,392	4,264	-128	-2.9%
34.6%	4,376	4,187	-189	-4.3%
35.8%	4,282	4,173	-109	-2.5%
37.0%	4,178	4,109	-69	-1.7%
38.3%	4,155	4,032	-124	-3.0%
39.5%	4,128	4,000	-129	-3.1%
40.7%	4,122	3,874	-249	-6.0%
42.0%	4,057	3,757	-300	-7.4%
43.2%	3,992	3,650	-342	-8.6%
44.4%	3,942	3,592	-350	-8.9%
45.7%	3,874	3,573	-301	-7.8%
46.9%	3,842	3,465	-377	-9.8%
48.1%	3,839	3,284	-555	-14.4%
49.4%	3,817	3,162	-655	-17.2%
50.6%	3,678	3,152	-527	-14.3%
51.9%	3,675	3,073	-602	-16.4%
53.1%	3,574	2,931	-643	-18.0%
54.3%	3,572	2,880	-692	-19.4%
55.6%	3,318	2,815	-503	-15.2%
56.8%	3,157	2,776	-381	-12.1%
58.0%	3,124	2,619	-505	-16.2%
59.3%	3,083	2,601	-482	-15.6%
60.5%	3,006	2,564	-441	-14.7%
61.7%	2,977	2,550	-427	-14.3%
63.0%	2,935	2,535	-400	-13.6%
64.2%	2,621	2,527	-94	-3.6%
65.4%	2,606	2,476	-130	-5.0%
66.7%	2,579	2,418	-161	-6.2%
67.9%	2,566	2,375	-191	-7.5%
69.1%	2,549	2,336	-213	-8.4%
70.4%	2,529	2,323	-205	-8.1%
71.6%	2,476	2,294	-182	-7.3%
72.8%	2,463	2,265	-198	-8.1%
74.1%	2,447	2,251	-196	-8.0%
75.3%	2,324	2,209	-114	-4.9%
76.5%	2,276	2,208	-67	-3.0%
77.8%	2,241	2,207	-35	-1.6%
79.0%	2,236	2,191	-45	-2.0%
80.2%	2,206	2,190	-16	-0.7%
81.5%	2,193	2,128	-65	-3.0%
82.7%	2,121	2,110	-11	-0.5%
84.0%	1,892	1,996	104	5.5%
85.2%	1,717	1,729	11	0.7%
86.4%	1,595	1,716	121	7.6%
87.7%	1,501	1,592	91	6.1%
88.9%	1,411	1,541	130	9.2%
90.1%	1,410	1,509	99	7.0%
91.4%	1,392	1,410	18	1.3%
92.6%	1,390	1,388	-2	-0.1%
93.8%	1,390	1,366	-24	-1.7%
95.1%	1,333	1,331	-2	-0.2%
96.3%	1,304	1,303	-1	0.0%
97.5%	1,299	1,297	-2	-0.2%
98.8%	1,261	1,261	0	0.0%
100.0%	1,254	1,252	-2	-0.2%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,165	19,165	0	0.0%
1.2%	10,400	9,364	-1,035	-10.0%
2.5%	9,369	9,083	-286	-3.1%
3.7%	7,878	8,238	359	4.6%
4.9%	6,402	7,437	1,035	16.2%
6.2%	5,780	5,780	0	0.0%
7.4%	5,265	5,265	0	0.0%
8.6%	3,833	3,833	0	0.0%
9.9%	3,798	3,794	-3	-0.1%
11.1%	3,669	3,669	0	0.0%
12.3%	3,661	3,661	0	0.0%
13.6%	3,588	3,588	0	0.0%
14.8%	3,553	3,553	0	0.0%
16.0%	3,516	3,508	-8	-0.2%
17.3%	3,508	3,398	-110	-3.1%
18.5%	3,465	3,368	-97	-2.8%
19.8%	3,435	3,347	-88	-2.6%
21.0%	3,434	3,336	-98	-2.9%
22.2%	3,430	3,336	-94	-2.8%
23.5%	3,398	3,332	-66	-2.0%
24.7%	3,393	3,317	-77	-2.3%
25.9%	3,368	3,285	-83	-2.5%
27.2%	3,349	3,280	-70	-2.1%
28.4%	3,347	3,267	-80	-2.4%
29.6%	3,339	3,266	-73	-2.2%
30.9%	3,336	3,257	-78	-2.3%
32.1%	3,332	3,254	-78	-2.3%
33.3%	3,317	3,254	-63	-1.9%
34.6%	3,308	3,253	-55	-1.7%
35.8%	3,294	3,250	-44	-1.3%
37.0%	3,280	3,229	-50	-1.5%
38.3%	3,267	3,223	-44	-1.4%
39.5%	3,266	3,213	-53	-1.6%
40.7%	3,257	3,201	-57	-1.7%
42.0%	3,253	3,183	-70	-2.1%
43.2%	3,229	3,176	-53	-1.6%
44.4%	3,223	3,167	-56	-1.7%
45.7%	3,183	3,165	-18	-0.6%
46.9%	3,167	3,163	-4	-0.1%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,111	3,156	45	1.5%
51.9%	3,068	3,143	75	2.5%
53.1%	3,058	3,111	53	1.7%
54.3%	2,907	3,078	171	5.9%
55.6%	2,906	2,882	-25	-0.8%
56.8%	2,892	2,818	-74	-2.5%
58.0%	2,824	2,791	-33	-1.2%
59.3%	2,791	2,687	-104	-3.7%
60.5%	2,687	2,669	-19	-0.7%
61.7%	2,661	2,628	-33	-1.2%
63.0%	2,628	2,599	-29	-1.1%
64.2%	2,599	2,560	-40	-1.5%
65.4%	2,560	2,530	-30	-1.2%
66.7%	2,530	2,522	-8	-0.3%
67.9%	2,515	2,515	0	0.0%
69.1%	2,486	2,486	0	0.0%
70.4%	2,451	2,482	31	1.3%
71.6%	2,448	2,451	3	0.1%
72.8%	2,444	2,448	4	0.2%
74.1%	2,430	2,444	14	0.6%
75.3%	2,375	2,430	55	2.3%
76.5%	2,371	2,375	4	0.2%
77.8%	2,267	2,078	-189	-8.3%
79.0%	2,129	2,006	-123	-5.8%
80.2%	2,091	2,002	-89	-4.3%
81.5%	2,006	1,912	-94	-4.7%
82.7%	2,002	1,884	-118	-5.9%
84.0%	1,914	1,837	-78	-4.1%
85.2%	1,884	1,788	-96	-5.1%
86.4%	1,788	1,747	-41	-2.3%
87.7%	1,699	1,717	19	1.1%
88.9%	1,674	1,674	0	0.0%
90.1%	1,635	1,656	21	1.3%
91.4%	1,611	1,616	5	0.3%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,565	-36	-2.2%
95.1%	1,570	1,549	-21	-1.3%
96.3%	1,549	1,505	-44	-2.8%
97.5%	1,463	1,463	0	0.0%
98.8%	1,455	1,455	0	0.0%
100.0%	1,340	1,340	0	0.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,363	35,363	0	0.0%
1.2%	24,642	25,861	1,219	4.9%
2.5%	24,159	25,538	1,379	5.7%
3.7%	23,945	23,228	-717	-3.0%
4.9%	18,630	19,217	588	3.2%
6.2%	15,711	15,561	-150	-1.0%
7.4%	15,561	14,917	-644	-4.1%
8.6%	14,052	14,883	831	5.9%
9.9%	13,127	13,127	0	0.0%
11.1%	10,175	11,956	1,781	17.5%
12.3%	8,453	8,620	167	2.0%
13.6%	6,843	8,451	1,608	23.5%
14.8%	6,648	6,844	196	2.9%
16.0%	6,535	6,532	-3	0.0%
17.3%	6,503	6,503	0	0.0%
18.5%	6,072	6,396	324	5.3%
19.8%	5,977	6,173	196	3.3%
21.0%	5,971	5,960	-12	-0.2%
22.2%	5,960	5,498	-461	-7.7%
23.5%	5,893	5,303	-590	-10.0%
24.7%	5,728	5,076	-652	-11.4%
25.9%	5,498	4,826	-673	-12.2%
27.2%	5,470	4,780	-690	-12.6%
28.4%	5,449	4,564	-885	-16.2%
29.6%	5,410	4,511	-899	-16.6%
30.9%	5,245	4,506	-739	-14.1%
32.1%	5,223	4,437	-785	-15.0%
33.3%	5,076	4,429	-647	-12.7%
34.6%	4,845	4,315	-530	-10.9%
35.8%	4,829	4,292	-537	-11.1%
37.0%	4,564	4,283	-281	-6.1%
38.3%	4,507	4,219	-288	-6.4%
39.5%	4,432	4,190	-242	-5.5%
40.7%	4,427	4,102	-326	-7.4%
42.0%	4,390	3,909	-481	-11.0%
43.2%	4,319	3,749	-570	-13.2%
44.4%	4,315	3,577	-738	-17.1%
45.7%	4,292	3,518	-774	-18.0%
46.9%	4,283	3,500	-783	-18.3%
48.1%	4,259	3,392	-868	-20.4%
49.4%	4,190	3,362	-828	-19.8%
50.6%	4,146	3,190	-955	-23.0%
51.9%	3,976	3,090	-886	-22.3%
53.1%	3,840	3,074	-766	-20.0%
54.3%	3,802	3,029	-772	-20.3%
55.6%	3,567	3,029	-538	-15.1%
56.8%	3,500	2,970	-530	-15.1%
58.0%	3,190	2,860	-330	-10.3%
59.3%	3,035	2,860	-175	-5.8%
60.5%	3,029	2,821	-208	-6.9%
61.7%	2,970	2,821	-149	-5.0%
63.0%	2,860	2,765	-95	-3.3%
64.2%	2,860	2,724	-136	-4.7%
65.4%	2,822	2,661	-162	-5.7%
66.7%	2,821	2,656	-165	-5.8%
67.9%	2,820	2,608	-211	-7.5%
69.1%	2,764	2,579	-186	-6.7%
70.4%	2,740	2,569	-171	-6.2%
71.6%	2,724	2,554	-170	-6.2%
72.8%	2,661	2,552	-109	-4.1%
74.1%	2,656	2,542	-114	-4.3%
75.3%	2,648	2,542	-107	-4.0%
76.5%	2,592	2,532	-60	-2.3%
77.8%	2,569	2,503	-66	-2.6%
79.0%	2,559	2,241	-319	-12.5%
80.2%	2,554	2,188	-366	-14.3%
81.5%	2,241	2,125	-116	-5.2%
82.7%	2,189	2,095	-94	-4.3%
84.0%	2,137	2,065	-71	-3.3%
85.2%	2,065	1,974	-92	-4.4%
86.4%	2,041	1,925	-116	-5.7%
87.7%	1,859	1,859	0	0.0%
88.9%	1,822	1,830	8	0.5%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,784	0	0.0%
92.6%	1,763	1,761	-2	-0.1%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,721	0	0.0%
96.3%	1,708	1,708	0	0.0%
97.5%	1,633	1,668	36	2.2%
98.8%	1,613	1,633	19	1.2%
100.0%	1,611	1,611	0	0.0%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,669	62,667	-2	0.0%
1.2%	51,110	51,108	-2	0.0%
2.5%	30,266	30,404	137	0.5%
3.7%	29,961	29,961	-1	0.0%
4.9%	29,228	29,225	-4	0.0%
6.2%	25,712	25,709	-3	0.0%
7.4%	23,958	25,041	1,083	4.5%
8.6%	20,978	24,603	3,625	17.3%
9.9%	20,603	19,378	-1,225	-5.9%
11.1%	19,127	19,124	-4	0.0%
12.3%	18,537	18,537	1	0.0%
13.6%	18,029	18,029	0	0.0%
14.8%	17,696	17,693	-3	0.0%
16.0%	16,933	16,930	-3	0.0%
17.3%	13,957	13,956	-2	0.0%
18.5%	10,144	12,168	2,024	20.0%
19.8%	10,035	10,144	109	1.1%
21.0%	8,291	9,780	1,489	18.0%
22.2%	7,700	8,798	1,098	14.3%
23.5%	7,263	6,865	-398	-5.5%
24.7%	6,865	6,808	-58	-0.8%
25.9%	6,808	6,680	-128	-1.9%
27.2%	6,683	6,670	-13	-0.2%
28.4%	6,670	6,650	-20	-0.3%
29.6%	6,650	6,614	-36	-0.5%
30.9%	6,614	6,003	-611	-9.2%
32.1%	6,003	5,886	-117	-1.9%
33.3%	5,886	5,830	-56	-1.0%
34.6%	5,830	5,251	-579	-9.9%
35.8%	5,253	5,160	-93	-1.8%
37.0%	5,160	4,939	-222	-4.3%
38.3%	4,939	4,937	-2	0.0%
39.5%	4,937	4,755	-182	-3.7%
40.7%	4,755	4,617	-138	-2.9%
42.0%	4,617	4,464	-153	-3.3%
43.2%	4,464	4,107	-357	-8.0%
44.4%	4,107	3,818	-289	-7.0%
45.7%	3,818	3,753	-65	-1.7%
46.9%	3,753	3,727	-26	-0.7%
48.1%	3,727	3,593	-134	-3.6%
49.4%	3,564	3,562	-2	-0.1%
50.6%	3,562	3,549	-13	-0.4%
51.9%	3,549	3,334	-216	-6.1%
53.1%	3,235	3,199	-35	-1.1%
54.3%	3,209	3,165	-44	-1.4%
55.6%	3,199	3,080	-119	-3.7%
56.8%	3,080	3,014	-66	-2.1%
58.0%	3,024	2,929	-94	-3.1%
59.3%	3,014	2,897	-118	-3.9%
60.5%	2,929	2,888	-41	-1.4%
61.7%	2,897	2,776	-120	-4.2%
63.0%	2,888	2,765	-123	-4.3%
64.2%	2,776	2,735	-41	-1.5%
65.4%	2,765	2,722	-43	-1.6%
66.7%	2,722	2,702	-19	-0.7%
67.9%	2,700	2,700	0	0.0%
69.1%	2,676	2,676	0	0.0%
70.4%	2,668	2,668	0	0.0%
71.6%	2,665	2,665	0	0.0%
72.8%	2,640	2,640	0	0.0%
74.1%	2,624	2,624	0	0.0%
75.3%	2,597	2,597	0	0.0%
76.5%	2,584	2,585	2	0.1%
77.8%	2,397	2,584	186	7.8%
79.0%	2,338	2,425	87	3.7%
80.2%	2,312	2,296	-16	-0.7%
81.5%	2,309	2,278	-31	-1.3%
82.7%	2,278	2,255	-23	-1.0%
84.0%	2,255	2,118	-137	-6.1%
85.2%	2,167	2,105	-61	-2.8%
86.4%	2,118	2,091	-27	-1.3%
87.7%	2,105	2,033	-72	-3.4%
88.9%	2,091	1,914	-177	-8.5%
90.1%	2,053	1,871	-182	-8.9%
91.4%	1,986	1,845	-141	-7.1%
92.6%	1,871	1,845	-26	-1.4%
93.8%	1,845	1,817	-28	-1.5%
95.1%	1,817	1,788	-29	-1.6%
96.3%	1,808	1,787	-21	-1.2%
97.5%	1,788	1,785	-3	-0.2%
98.8%	1,785	1,742	-43	-2.4%
100.0%	1,742	1,710	-33	-1.9%

Table SW-46-9b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,158	40,246	87	0.2%
1.2%	29,344	29,344	0	0.0%
2.5%	28,770	28,768	-2	0.0%
3.7%	28,349	28,347	-1	0.0%
4.9%	27,561	27,560	0	0.0%
6.2%	26,981	25,237	-1,744	-6.5%
7.4%	24,966	24,962	-4	0.0%
8.6%	22,575	22,755	180	0.8%
9.9%	22,284	22,576	292	1.3%
11.1%	21,422	21,076	-346	-1.6%
12.3%	19,559	19,558	-1	0.0%
13.6%	19,495	19,498	3	0.0%
14.8%	18,948	18,946	-2	0.0%
16.0%	16,366	16,375	9	0.1%
17.3%	16,361	16,366	5	0.0%
18.5%	16,236	16,238	1	0.0%
19.8%	16,202	16,200	-2	0.0%
21.0%	15,487	15,488	0	0.0%
22.2%	15,450	15,448	-2	0.0%
23.5%	14,987	14,985	-2	0.0%
24.7%	14,260	14,645	385	2.7%
25.9%	13,228	13,228	0	0.0%
27.2%	12,237	12,963	726	5.9%
28.4%	10,473	12,608	2,136	20.4%
29.6%	10,415	12,236	1,821	17.5%
30.9%	9,879	10,472	594	6.0%
32.1%	9,844	10,261	417	4.2%
33.3%	9,371	9,368	-3	0.0%
34.6%	8,263	8,671	408	4.9%
35.8%	7,143	8,271	1,128	15.8%
37.0%	7,024	7,695	671	9.6%
38.3%	7,020	7,140	120	1.7%
39.5%	6,420	6,420	0	0.0%
40.7%	6,285	6,279	-6	-0.1%
42.0%	6,203	6,203	0	0.0%
43.2%	6,022	6,021	-1	0.0%
44.4%	5,972	5,970	-2	0.0%
45.7%	5,905	5,905	0	0.0%
46.9%	4,869	4,869	0	0.0%
48.1%	4,808	4,844	36	0.7%
49.4%	4,772	4,806	34	0.7%
50.6%	4,700	4,772	72	1.5%
51.9%	4,593	4,593	0	0.0%
53.1%	4,413	4,409	-3	-0.1%
54.3%	4,405	4,405	0	0.0%
55.6%	4,197	4,197	0	0.0%
56.8%	4,038	4,038	0	0.0%
58.0%	4,031	4,031	0	0.0%
59.3%	3,795	3,795	0	0.0%
60.5%	3,702	3,685	-17	-0.5%
61.7%	3,685	3,675	-10	-0.3%
63.0%	3,675	3,576	-99	-2.7%
64.2%	3,576	3,358	-218	-6.1%
65.4%	3,358	3,228	-130	-3.9%
66.7%	3,172	3,056	-116	-3.6%
67.9%	3,060	2,999	-60	-2.0%
69.1%	2,999	2,941	-58	-1.9%
70.4%	2,941	2,888	-52	-1.8%
71.6%	2,888	2,825	-64	-2.2%
72.8%	2,825	2,793	-32	-1.1%
74.1%	2,813	2,791	-23	-0.8%
75.3%	2,793	2,782	-10	-0.4%
76.5%	2,791	2,738	-52	-1.9%
77.8%	2,782	2,734	-48	-1.7%
79.0%	2,738	2,699	-39	-1.4%
80.2%	2,734	2,600	-135	-4.9%
81.5%	2,699	2,565	-134	-4.9%
82.7%	2,600	2,554	-46	-1.8%
84.0%	2,550	2,550	0	0.0%
85.2%	2,548	2,548	0	0.0%
86.4%	2,273	2,273	0	0.0%
87.7%	2,222	2,222	0	0.0%
88.9%	2,207	2,138	-69	-3.1%
90.1%	2,138	2,032	-105	-4.9%
91.4%	2,032	2,020	-12	-0.6%
92.6%	1,982	1,982	0	0.0%
93.8%	1,968	1,966	-2	-0.1%
95.1%	1,832	1,832	0	0.0%
96.3%	1,785	1,785	0	0.0%
97.5%	1,739	1,739	0	0.0%
98.8%	1,711	1,711	0	0.0%
100.0%	1,688	1,688	0	0.0%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	47,953	47,952	-1	0.0%
1.2%	45,881	45,881	0	0.0%
2.5%	35,118	35,895	776	2.2%
3.7%	33,152	35,117	1,966	5.9%
4.9%	27,878	27,387	-491	-1.8%
6.2%	27,382	26,790	-592	-2.2%
7.4%	24,884	24,883	-1	0.0%
8.6%	20,294	20,293	-1	0.0%
9.9%	20,193	20,191	-2	0.0%
11.1%	18,307	18,305	-2	0.0%
12.3%	17,849	17,843	-6	0.0%
13.6%	17,403	17,520	117	0.7%
14.8%	17,110	17,109	-1	0.0%
16.0%	16,929	16,927	-2	0.0%
17.3%	16,374	16,374	0	0.0%
18.5%	15,503	15,482	-21	-0.1%
19.8%	14,997	14,992	-4	0.0%
21.0%	12,938	13,210	272	2.1%
22.2%	12,823	12,938	115	0.9%
23.5%	12,150	12,833	683	5.6%
24.7%	11,145	12,147	1,002	9.0%
25.9%	11,077	11,077	0	0.0%
27.2%	10,941	10,961	20	0.2%
28.4%	10,805	10,942	136	1.3%
29.6%	10,202	10,111	-91	-0.9%
30.9%	10,111	9,754	-357	-3.5%
32.1%	9,754	9,716	-38	-0.4%
33.3%	9,089	9,580	492	5.4%
34.6%	9,001	9,341	340	3.8%
35.8%	8,873	9,175	301	3.4%
37.0%	8,861	8,838	-23	-0.3%
38.3%	8,617	8,614	-3	0.0%
39.5%	8,560	8,035	-525	-6.1%
40.7%	8,248	7,946	-302	-3.7%
42.0%	8,040	7,907	-133	-1.7%
43.2%	7,886	7,900	14	0.2%
44.4%	7,880	7,695	-185	-2.3%
45.7%	6,870	6,864	-6	-0.1%
46.9%	6,851	6,852	1	0.0%
48.1%	6,763	6,763	0	0.0%
49.4%	6,076	6,635	559	9.2%
50.6%	5,904	6,307	402	6.8%
51.9%	5,583	5,614	31	0.6%
53.1%	5,349	4,657	-692	-12.9%
54.3%	4,347	4,052	-295	-6.8%
55.6%	3,803	3,803	0	0.0%
56.8%	3,796	3,796	0	0.0%
58.0%	3,778	3,778	0	0.0%
59.3%	3,608	3,607	-1	0.0%
60.5%	3,586	3,586	0	0.0%
61.7%	3,574	3,376	-197	-5.5%
63.0%	3,401	3,249	-151	-4.4%
64.2%	3,259	3,240	-19	-0.6%
65.4%	3,183	3,183	0	0.0%
66.7%	3,179	3,134	-45	-1.4%
67.9%	3,158	3,021	-138	-4.4%
69.1%	3,021	2,998	-22	-0.7%
70.4%	2,968	2,957	-11	-0.4%
71.6%	2,863	2,863	0	0.0%
72.8%	2,809	2,809	0	0.0%
74.1%	2,790	2,790	0	0.0%
75.3%	2,755	2,720	-35	-1.3%
76.5%	2,748	2,718	-30	-1.1%
77.8%	2,746	2,680	-65	-2.4%
79.0%	2,720	2,668	-52	-1.9%
80.2%	2,718	2,590	-128	-4.7%
81.5%	2,668	2,583	-85	-3.2%
82.7%	2,583	2,496	-88	-3.4%
84.0%	2,496	2,487	-8	-0.3%
85.2%	2,487	2,463	-25	-1.0%
86.4%	2,331	2,331	0	0.0%
87.7%	2,179	2,179	0	0.0%
88.9%	2,168	2,168	0	0.0%
90.1%	2,100	2,099	-2	-0.1%
91.4%	2,024	2,097	73	3.6%
92.6%	1,886	1,957	71	3.8%
93.8%	1,830	1,886	56	3.1%
95.1%	1,828	1,830	2	0.1%
96.3%	1,747	1,747	0	0.0%
97.5%	1,696	1,696	0	0.0%
98.8%	1,657	1,659	2	0.1%
100.0%	1,558	1,657	99	6.3%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,925	30,925	0	0.0%
1.2%	24,264	24,262	-2	0.0%
2.5%	19,254	19,256	2	0.0%
3.7%	18,447	18,621	174	0.9%
4.9%	18,372	18,446	74	0.4%
6.2%	15,100	15,096	-4	0.0%
7.4%	14,552	14,571	19	0.1%
8.6%	13,680	13,680	0	0.0%
9.9%	13,327	13,314	-13	-0.1%
11.1%	12,224	12,223	-1	0.0%
12.3%	11,986	11,986	0	0.0%
13.6%	11,073	11,094	21	0.2%
14.8%	10,588	10,593	5	0.0%
16.0%	10,251	10,251	0	0.0%
17.3%	9,552	9,551	-1	0.0%
18.5%	8,543	8,543	0	0.0%
19.8%	8,226	8,225	-1	0.0%
21.0%	8,065	8,065	-1	0.0%
22.2%	7,643	7,641	-2	0.0%
23.5%	7,360	7,474	114	1.5%
24.7%	6,549	6,549	0	0.0%
25.9%	6,363	6,363	1	0.0%
27.2%	5,591	5,592	1	0.0%
28.4%	5,199	5,199	0	0.0%
29.6%	5,119	5,119	0	0.0%
30.9%	5,012	5,012	0	0.0%
32.1%	4,894	4,894	0	0.0%
33.3%	4,767	4,766	-1	0.0%
34.6%	4,703	4,703	0	0.0%
35.8%	4,684	4,684	0	0.0%
37.0%	4,367	3,894	-473	-10.8%
38.3%	3,894	3,802	-92	-2.4%
39.5%	3,802	3,796	-5	-0.1%
40.7%	3,796	3,762	-35	-0.9%
42.0%	3,793	3,751	-42	-1.1%
43.2%	3,762	3,721	-40	-1.1%
44.4%	3,751	3,651	-100	-2.7%
45.7%	3,721	3,590	-131	-3.5%
46.9%	3,651	3,561	-89	-2.4%
48.1%	3,590	3,478	-112	-3.1%
49.4%	3,561	3,426	-136	-3.8%
50.6%	3,531	3,314	-216	-6.1%
51.9%	3,426	3,302	-124	-3.6%
53.1%	3,316	3,273	-42	-1.3%
54.3%	3,302	3,205	-97	-2.9%
55.6%	3,273	3,204	-70	-2.1%
56.8%	3,205	2,929	-276	-8.6%
58.0%	3,204	2,886	-318	-9.9%
59.3%	3,179	2,856	-323	-10.2%
60.5%	2,888	2,813	-74	-2.6%
61.7%	2,856	2,723	-132	-4.6%
63.0%	2,813	2,646	-167	-5.9%
64.2%	2,726	2,637	-89	-3.3%
65.4%	2,672	2,627	-45	-1.7%
66.7%	2,646	2,543	-104	-3.9%
67.9%	2,637	2,525	-112	-4.3%
69.1%	2,631	2,423	-208	-7.9%
70.4%	2,544	2,409	-135	-5.3%
71.6%	2,423	2,389	-34	-1.4%
72.8%	2,393	2,380	-13	-0.5%
74.1%	2,312	2,312	0	0.0%
75.3%	2,306	2,306	0	0.0%
76.5%	2,274	2,274	0	0.0%
77.8%	2,224	2,271	47	2.1%
79.0%	2,067	2,211	144	7.0%
80.2%	2,062	2,067	5	0.2%
81.5%	2,047	2,062	15	0.7%
82.7%	2,019	2,034	15	0.7%
84.0%	2,015	2,019	4	0.2%
85.2%	1,969	1,957	-12	-0.6%
86.4%	1,822	1,885	62	3.4%
87.7%	1,822	1,822	0	0.0%
88.9%	1,819	1,822	3	0.1%
90.1%	1,804	1,804	0	0.0%
91.4%	1,735	1,735	0	0.0%
92.6%	1,693	1,692	-1	-0.1%
93.8%	1,580	1,580	0	0.0%
95.1%	1,575	1,575	0	0.0%
96.3%	1,571	1,571	0	0.0%
97.5%	1,371	1,230	-142	-10.3%
98.8%	1,205	1,205	0	0.0%
100.0%	1,205	1,205	0	0.0%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,483	31,481	-3	0.0%
1.2%	28,210	28,208	-1	0.0%
2.5%	26,842	26,845	2	0.0%
3.7%	25,620	25,621	1	0.0%
4.9%	20,460	20,460	0	0.0%
6.2%	18,848	18,848	0	0.0%
7.4%	18,778	18,800	22	0.1%
8.6%	18,616	18,612	-4	0.0%
9.9%	15,502	15,502	0	0.0%
11.1%	15,064	15,064	0	0.0%
12.3%	14,611	14,609	-2	0.0%
13.6%	13,834	13,830	-4	0.0%
14.8%	13,531	13,529	-2	0.0%
16.0%	12,434	12,435	1	0.0%
17.3%	12,279	12,277	-3	0.0%
18.5%	11,938	11,939	0	0.0%
19.8%	10,776	10,769	-7	-0.1%
21.0%	9,895	9,894	-1	0.0%
22.2%	9,071	9,301	229	2.5%
23.5%	9,042	9,071	29	0.3%
24.7%	6,460	9,050	2,590	40.1%
25.9%	5,978	6,458	480	8.0%
27.2%	5,521	5,522	1	0.0%
28.4%	5,382	5,379	-3	-0.1%
29.6%	4,338	4,338	0	0.0%
30.9%	4,191	4,191	0	0.0%
32.1%	4,108	4,112	3	0.1%
33.3%	4,028	4,089	61	1.5%
34.6%	4,017	4,017	0	0.0%
35.8%	3,910	3,842	-68	-1.7%
37.0%	3,842	3,836	-6	-0.2%
38.3%	3,805	3,742	-63	-1.6%
39.5%	3,744	3,644	-100	-2.7%
40.7%	3,644	3,604	-40	-1.1%
42.0%	3,604	3,560	-44	-1.2%
43.2%	3,560	3,536	-24	-0.7%
44.4%	3,542	3,518	-25	-0.7%
45.7%	3,518	3,517	-1	0.0%
46.9%	3,453	3,453	0	0.0%
48.1%	3,382	3,382	0	0.0%
49.4%	3,301	3,311	9	0.3%
50.6%	3,289	3,301	12	0.4%
51.9%	3,258	3,243	-15	-0.5%
53.1%	3,243	3,088	-154	-4.8%
54.3%	3,148	3,069	-79	-2.5%
55.6%	3,090	3,041	-49	-1.6%
56.8%	3,069	3,038	-32	-1.0%
58.0%	3,041	3,036	-5	-0.2%
59.3%	3,039	3,033	-6	-0.2%
60.5%	3,036	3,033	-3	-0.1%
61.7%	3,033	3,033	0	0.0%
63.0%	3,033	3,024	-9	-0.3%
64.2%	3,033	2,771	-262	-8.7%
65.4%	3,024	2,757	-267	-8.8%
66.7%	2,914	2,705	-209	-7.2%
67.9%	2,867	2,679	-188	-6.6%
69.1%	2,791	2,602	-189	-6.8%
70.4%	2,771	2,599	-171	-6.2%
71.6%	2,553	2,552	-1	0.0%
72.8%	2,471	2,448	-23	-0.9%
74.1%	2,457	2,387	-70	-2.9%
75.3%	2,388	2,291	-97	-4.1%
76.5%	2,340	2,255	-85	-3.6%
77.8%	2,331	2,210	-120	-5.2%
79.0%	2,272	2,174	-98	-4.3%
80.2%	2,257	2,107	-150	-6.6%
81.5%	2,210	2,069	-142	-6.4%
82.7%	2,116	2,031	-85	-4.0%
84.0%	2,072	2,030	-42	-2.0%
85.2%	2,030	2,026	-4	-0.2%
86.4%	2,026	2,021	-5	-0.2%
87.7%	2,021	2,012	-9	-0.4%
88.9%	2,012	2,010	-2	-0.1%
90.1%	1,916	1,916	0	0.0%
91.4%	1,839	1,778	-61	-3.3%
92.6%	1,778	1,726	-52	-2.9%
93.8%	1,732	1,697	-35	-2.0%
95.1%	1,722	1,649	-72	-4.2%
96.3%	1,651	1,537	-114	-6.9%
97.5%	1,537	1,515	-22	-1.5%
98.8%	1,515	1,289	-226	-14.9%
100.0%	1,294	1,240	-54	-4.2%

Table SW-46-9b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,912	20,948	37	0.2%
1.2%	18,561	18,833	272	1.5%
2.5%	18,222	18,220	-2	0.0%
3.7%	16,583	16,579	-4	0.0%
4.9%	16,040	16,037	-3	0.0%
6.2%	14,993	14,995	2	0.0%
7.4%	14,846	14,850	4	0.0%
8.6%	11,675	11,669	-6	0.0%
9.9%	11,118	11,424	306	2.8%
11.1%	10,824	10,812	-11	-0.1%
12.3%	9,851	9,846	-5	-0.1%
13.6%	9,592	9,594	2	0.0%
14.8%	8,013	8,260	247	3.1%
16.0%	7,914	8,212	297	3.8%
17.3%	7,548	7,548	0	0.0%
18.5%	7,537	7,536	-1	0.0%
19.8%	6,889	6,909	19	0.3%
21.0%	6,882	6,539	-343	-5.0%
22.2%	6,350	6,336	-13	-0.2%
23.5%	6,347	5,989	-358	-5.6%
24.7%	6,003	5,822	-181	-3.0%
25.9%	5,976	5,791	-185	-3.1%
27.2%	5,746	5,531	-215	-3.7%
28.4%	5,710	5,437	-273	-4.8%
29.6%	5,647	5,412	-235	-4.2%
30.9%	5,552	5,411	-141	-2.5%
32.1%	5,406	5,238	-168	-3.1%
33.3%	5,398	5,235	-163	-3.0%
34.6%	5,172	5,175	3	0.1%
35.8%	5,087	5,164	77	1.5%
37.0%	5,054	5,148	94	1.9%
38.3%	4,821	5,035	214	4.4%
39.5%	4,804	4,963	159	3.3%
40.7%	4,799	4,959	160	3.3%
42.0%	4,774	4,951	177	3.7%
43.2%	4,758	4,924	166	3.5%
44.4%	4,623	4,888	265	5.7%
45.7%	4,617	4,841	224	4.8%
46.9%	4,606	4,749	142	3.1%
48.1%	4,586	4,652	67	1.5%
49.4%	4,549	4,632	83	1.8%
50.6%	4,531	4,590	59	1.3%
51.9%	4,502	4,581	79	1.8%
53.1%	4,477	4,447	-31	-0.7%
54.3%	4,419	4,428	9	0.2%
55.6%	4,392	4,392	0	0.0%
56.8%	4,326	4,354	28	0.7%
58.0%	4,324	4,323	-1	0.0%
59.3%	4,309	4,294	-15	-0.3%
60.5%	4,298	4,283	-15	-0.3%
61.7%	4,208	4,257	48	1.1%
63.0%	4,158	4,205	47	1.1%
64.2%	4,003	4,171	168	4.2%
65.4%	3,969	4,169	201	5.1%
66.7%	3,855	4,082	227	5.9%
67.9%	3,849	3,970	121	3.1%
69.1%	3,822	3,894	72	1.9%
70.4%	3,780	3,893	113	3.0%
71.6%	3,740	3,874	134	3.6%
72.8%	3,735	3,812	77	2.1%
74.1%	3,727	3,806	79	2.1%
75.3%	3,722	3,645	-76	-2.1%
76.5%	3,704	3,517	-187	-5.0%
77.8%	3,575	3,429	-146	-4.1%
79.0%	3,571	3,421	-150	-4.2%
80.2%	3,560	3,297	-263	-7.4%
81.5%	3,559	3,059	-500	-14.1%
82.7%	3,516	2,953	-563	-16.0%
84.0%	3,510	2,908	-602	-17.2%
85.2%	3,377	2,799	-578	-17.1%
86.4%	3,325	2,765	-559	-16.8%
87.7%	3,090	2,759	-330	-10.7%
88.9%	2,910	2,717	-193	-6.6%
90.1%	2,897	2,493	-404	-14.0%
91.4%	2,885	2,304	-582	-20.2%
92.6%	2,880	2,302	-578	-20.1%
93.8%	2,865	2,257	-609	-21.2%
95.1%	2,751	2,163	-588	-21.4%
96.3%	2,603	2,152	-450	-17.3%
97.5%	2,235	2,046	-189	-8.5%
98.8%	2,167	1,880	-287	-13.2%
100.0%	1,560	1,330	-229	-14.7%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,065	12,029	-36	-0.3%
1.2%	11,939	11,962	22	0.2%
2.5%	11,282	11,316	33	0.3%
3.7%	11,127	11,124	-3	0.0%
4.9%	11,123	11,101	-23	-0.2%
6.2%	10,994	10,991	-4	0.0%
7.4%	10,984	10,985	0	0.0%
8.6%	10,915	10,746	-169	-1.5%
9.9%	10,785	10,677	-108	-1.0%
11.1%	10,677	10,676	-1	0.0%
12.3%	10,675	10,672	-3	0.0%
13.6%	10,672	10,670	-2	0.0%
14.8%	10,672	10,670	-2	0.0%
16.0%	10,671	10,553	-118	-1.1%
17.3%	10,671	10,490	-180	-1.7%
18.5%	10,615	10,480	-135	-1.3%
19.8%	10,581	10,472	-110	-1.0%
21.0%	10,558	10,413	-146	-1.4%
22.2%	10,491	10,339	-153	-1.5%
23.5%	10,475	10,313	-162	-1.5%
24.7%	10,424	10,183	-241	-2.3%
25.9%	10,271	10,152	-120	-1.2%
27.2%	10,263	10,088	-175	-1.7%
28.4%	10,083	9,828	-255	-2.5%
29.6%	10,079	9,821	-258	-2.6%
30.9%	9,973	9,745	-227	-2.3%
32.1%	9,922	9,698	-224	-2.3%
33.3%	9,786	9,655	-131	-1.3%
34.6%	9,686	9,637	-49	-0.5%
35.8%	9,605	9,553	-52	-0.5%
37.0%	9,561	9,477	-84	-0.9%
38.3%	9,521	9,457	-64	-0.7%
39.5%	9,503	9,450	-53	-0.6%
40.7%	9,497	9,384	-113	-1.2%
42.0%	9,443	9,380	-63	-0.7%
43.2%	9,363	9,371	8	0.1%
44.4%	9,348	9,325	-23	-0.2%
45.7%	9,339	9,319	-20	-0.2%
46.9%	9,314	9,314	0	0.0%
48.1%	9,312	9,293	-19	-0.2%
49.4%	9,296	9,285	-11	-0.1%
50.6%	9,265	9,242	-23	-0.3%
51.9%	9,243	9,178	-65	-0.7%
53.1%	9,242	9,101	-140	-1.5%
54.3%	9,202	8,966	-235	-2.6%
55.6%	9,188	8,923	-264	-2.9%
56.8%	9,184	8,922	-261	-2.8%
58.0%	9,141	8,916	-226	-2.5%
59.3%	9,130	8,678	-452	-5.0%
60.5%	9,094	8,648	-446	-4.9%
61.7%	9,041	8,541	-500	-5.5%
63.0%	9,006	8,523	-483	-5.4%
64.2%	8,957	8,330	-627	-7.0%
65.4%	8,867	8,219	-648	-7.3%
66.7%	8,800	8,084	-715	-8.1%
67.9%	8,787	7,991	-796	-9.1%
69.1%	8,773	7,912	-861	-9.8%
70.4%	8,651	7,830	-821	-9.5%
71.6%	8,458	7,580	-878	-10.4%
72.8%	8,272	7,561	-711	-8.6%
74.1%	7,965	7,355	-610	-7.7%
75.3%	7,878	7,310	-568	-7.2%
76.5%	7,786	7,223	-564	-7.2%
77.8%	7,727	7,135	-592	-7.7%
79.0%	7,480	6,698	-782	-10.4%
80.2%	7,281	6,656	-624	-8.6%
81.5%	6,964	6,647	-317	-4.5%
82.7%	6,828	6,560	-268	-3.9%
84.0%	6,244	6,551	306	4.9%
85.2%	5,797	6,405	608	10.5%
86.4%	5,785	6,398	612	10.6%
87.7%	5,752	6,365	613	10.7%
88.9%	5,707	6,189	482	8.5%
90.1%	5,434	6,135	702	12.9%
91.4%	5,387	5,841	454	8.4%
92.6%	5,344	5,797	453	8.5%
93.8%	5,218	5,623	405	7.8%
95.1%	5,102	5,429	327	6.4%
96.3%	4,447	5,407	961	21.6%
97.5%	2,541	4,912	2,371	93.3%
98.8%	1,651	4,560	2,908	176.1%
100.0%	1,566	3,025	1,459	93.2%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,032	9,025	-7	-0.1%
1.2%	8,979	9,009	30	0.3%
2.5%	8,792	8,771	-21	-0.2%
3.7%	8,780	8,625	-155	-1.8%
4.9%	8,596	8,587	-9	-0.1%
6.2%	8,541	8,565	24	0.3%
7.4%	8,378	8,553	174	2.1%
8.6%	8,370	8,552	182	2.2%
9.9%	8,353	8,543	189	2.3%
11.1%	8,320	8,468	147	1.8%
12.3%	8,223	8,455	232	2.8%
13.6%	8,201	8,450	249	3.0%
14.8%	8,139	8,318	179	2.2%
16.0%	8,032	8,257	225	2.8%
17.3%	7,997	8,198	201	2.5%
18.5%	7,959	8,186	227	2.9%
19.8%	7,852	8,177	325	4.1%
21.0%	7,841	8,137	296	3.8%
22.2%	7,792	8,000	208	2.7%
23.5%	7,777	7,945	168	2.2%
24.7%	7,731	7,910	179	2.3%
25.9%	7,718	7,870	152	2.0%
27.2%	7,672	7,750	78	1.0%
28.4%	7,642	7,688	45	0.6%
29.6%	7,632	7,673	40	0.5%
30.9%	7,607	7,651	43	0.6%
32.1%	7,594	7,555	-39	-0.5%
33.3%	7,549	7,552	3	0.0%
34.6%	7,524	7,436	-88	-1.2%
35.8%	7,518	7,436	-82	-1.1%
37.0%	7,433	7,353	-80	-1.1%
38.3%	7,400	7,326	-74	-1.0%
39.5%	7,396	7,288	-108	-1.5%
40.7%	7,359	7,151	-208	-2.8%
42.0%	7,356	7,128	-228	-3.1%
43.2%	7,271	7,116	-155	-2.1%
44.4%	7,137	6,800	-336	-4.7%
45.7%	7,120	6,762	-358	-5.0%
46.9%	7,081	6,741	-339	-4.8%
48.1%	6,993	6,660	-332	-4.8%
49.4%	6,984	6,639	-345	-4.9%
50.6%	6,983	6,556	-426	-6.1%
51.9%	6,895	6,501	-394	-5.7%
53.1%	6,881	6,394	-487	-7.1%
54.3%	6,844	6,177	-667	-9.7%
55.6%	6,604	6,076	-527	-8.0%
56.8%	6,586	5,976	-610	-9.3%
58.0%	6,525	5,921	-603	-9.2%
59.3%	6,357	5,877	-480	-7.5%
60.5%	6,252	5,866	-386	-6.2%
61.7%	5,941	5,783	-159	-2.7%
63.0%	5,924	5,485	-439	-7.4%
64.2%	5,741	5,404	-337	-5.9%
65.4%	5,376	5,177	-199	-3.7%
66.7%	5,273	5,054	-219	-4.2%
67.9%	4,836	4,971	135	2.8%
69.1%	4,788	4,905	118	2.5%
70.4%	4,658	4,849	191	4.1%
71.6%	4,376	4,749	373	8.5%
72.8%	4,141	4,691	550	13.3%
74.1%	4,096	4,686	590	14.4%
75.3%	3,985	4,660	675	16.9%
76.5%	3,716	4,519	803	21.6%
77.8%	3,493	4,448	956	27.4%
79.0%	3,490	4,271	781	22.4%
80.2%	3,278	4,100	822	25.1%
81.5%	3,158	4,090	932	29.5%
82.7%	3,123	4,056	933	29.9%
84.0%	2,918	4,036	1,118	38.3%
85.2%	2,675	3,951	1,276	47.7%
86.4%	2,572	3,897	1,325	51.5%
87.7%	2,488	3,893	1,405	56.5%
88.9%	2,266	3,589	1,323	58.4%
90.1%	2,188	3,581	1,393	63.6%
91.4%	1,827	2,963	1,136	62.1%
92.6%	1,814	2,326	512	28.2%
93.8%	1,553	1,951	398	25.6%
95.1%	1,548	1,593	45	2.9%
96.3%	1,512	1,553	41	2.7%
97.5%	1,402	1,533	131	9.3%
98.8%	1,390	1,279	-112	-8.0%
100.0%	1,386	1,131	-255	-18.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,766	10,817	50	0.5%
1.2%	10,720	10,766	46	0.4%
2.5%	10,720	10,670	-50	-0.5%
3.7%	10,704	10,642	-61	-0.6%
4.9%	10,653	10,637	-16	-0.1%
6.2%	10,646	10,592	-54	-0.5%
7.4%	10,639	10,585	-55	-0.5%
8.6%	10,582	10,584	2	0.0%
9.9%	10,461	10,555	94	0.9%
11.1%	10,405	10,443	38	0.4%
12.3%	10,248	10,438	191	1.9%
13.6%	10,149	10,414	265	2.6%
14.8%	10,091	10,407	316	3.1%
16.0%	10,067	10,315	247	2.5%
17.3%	9,995	10,235	241	2.4%
18.5%	9,971	10,216	246	2.5%
19.8%	9,494	10,161	666	7.0%
21.0%	8,961	10,040	1,078	12.0%
22.2%	8,611	9,755	1,143	13.3%
23.5%	8,555	9,579	1,024	12.0%
24.7%	8,441	9,572	1,131	13.4%
25.9%	8,421	9,444	1,023	12.1%
27.2%	8,325	9,148	823	9.9%
28.4%	8,229	8,818	589	7.2%
29.6%	7,965	8,606	640	8.0%
30.9%	7,887	8,569	682	8.6%
32.1%	7,812	8,313	501	6.4%
33.3%	7,541	7,905	364	4.8%
34.6%	7,386	7,817	431	5.8%
35.8%	7,313	7,551	238	3.3%
37.0%	7,297	7,419	122	1.7%
38.3%	7,227	7,419	191	2.6%
39.5%	6,253	7,239	986	15.8%
40.7%	6,022	6,885	863	14.3%
42.0%	5,460	6,787	1,326	24.3%
43.2%	5,433	6,633	1,200	22.1%
44.4%	5,425	4,506	-919	-16.9%
45.7%	5,398	4,481	-917	-17.0%
46.9%	4,054	4,097	43	1.1%
48.1%	3,986	4,089	103	2.6%
49.4%	3,857	3,964	107	2.8%
50.6%	3,796	3,896	100	2.6%
51.9%	3,793	3,774	-19	-0.5%
53.1%	3,747	3,747	0	0.0%
54.3%	3,688	3,729	42	1.1%
55.6%	3,636	3,574	-62	-1.7%
56.8%	3,617	3,542	-76	-2.1%
58.0%	3,617	3,340	-277	-7.7%
59.3%	3,465	3,317	-149	-4.3%
60.5%	3,372	3,209	-163	-4.8%
61.7%	3,324	3,199	-125	-3.8%
63.0%	3,238	3,139	-99	-3.1%
64.2%	3,202	3,064	-138	-4.3%
65.4%	3,123	3,045	-78	-2.5%
66.7%	3,084	2,980	-104	-3.4%
67.9%	3,071	2,959	-112	-3.7%
69.1%	3,066	2,894	-171	-5.6%
70.4%	3,015	2,783	-232	-7.7%
71.6%	2,748	2,775	27	1.0%
72.8%	2,664	2,760	95	3.6%
74.1%	2,639	2,706	66	2.5%
75.3%	2,570	2,659	89	3.4%
76.5%	2,501	2,597	96	3.8%
77.8%	2,286	2,595	309	13.5%
79.0%	2,259	2,570	311	13.8%
80.2%	2,145	2,535	390	18.2%
81.5%	1,978	2,428	450	22.8%
82.7%	1,864	2,322	457	24.5%
84.0%	1,771	2,311	540	30.5%
85.2%	1,657	2,260	603	36.4%
86.4%	1,568	2,246	678	43.2%
87.7%	1,534	2,145	611	39.8%
88.9%	1,523	1,801	278	18.2%
90.1%	1,486	1,653	167	11.2%
91.4%	1,472	1,568	96	6.5%
92.6%	1,430	1,436	6	0.4%
93.8%	1,396	1,423	27	1.9%
95.1%	1,311	1,394	83	6.4%
96.3%	1,266	1,393	126	10.0%
97.5%	1,257	1,293	36	2.8%
98.8%	1,242	1,275	33	2.7%
100.0%	1,130	1,192	62	5.5%

Table SW-47-9a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	1,353	2,652	3,188	4,292	4,970	3,571	3,051	3,223	3,236	3,347	2,234	2,472
Alternative D	1,413	2,726	3,303	4,348	4,989	3,607	3,091	3,277	3,145	3,057	2,259	2,339
Difference	59	74	115	56	20	36	40	54	-90	-290	25	-133
Percent Difference[3]	4.4%	2.8%	3.6%	1.3%	0.4%	1.0%	1.3%	1.7%	-2.8%	-8.7%	1.1%	-5.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	1,470	3,808	3,520	8,553	8,988	5,915	4,997	5,711	5,462	3,580	2,993	4,075
Alternative D	1,615	3,904	3,622	8,606	9,009	5,918	4,996	5,711	5,450	3,403	3,075	3,644
Difference	146	97	102	53	21	3	-1	0	-12	-177	82	-431
Percent Difference	9.9%	2.5%	2.9%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.2%	-4.9%	2.8%	-10.6%
Above Normal (15%)												
No Action Alternative	1,377	2,651	2,832	4,475	6,135	5,219	3,238	3,411	2,957	4,121	2,355	2,876
Alternative D	1,371	2,694	2,994	4,676	6,233	5,268	3,236	3,410	2,961	3,847	2,322	2,716
Difference	-6	43	162	200	98	49	-2	-1	3	-274	-33	-160
Percent Difference	-0.5%	1.6%	5.7%	4.5%	1.6%	0.9%	-0.1%	0.0%	0.1%	-6.7%	-1.4%	-5.6%
Below Normal (17%)												
No Action Alternative	1,523	3,262	3,892	2,189	4,063	2,272	2,784	2,556	2,350	4,547	2,116	1,855
Alternative D	1,544	3,348	3,900	2,298	3,992	2,297	2,898	2,612	2,331	3,840	2,219	2,087
Difference	21	86	7	109	-71	25	114	57	-19	-707	103	232
Percent Difference	1.4%	2.6%	0.2%	5.0%	-1.7%	1.1%	4.1%	2.2%	-0.8%	-15.5%	4.9%	12.5%
Dry (22%)												
No Action Alternative	1,300	1,686	3,952	1,623	1,682	1,920	1,697	1,483	2,095	2,971	2,044	1,391
Alternative D	1,309	1,804	4,213	1,522	1,733	1,999	1,709	1,531	1,936	2,760	1,946	1,364
Difference	9	118	261	-101	50	79	13	48	-159	-211	-98	-27
Percent Difference	0.7%	7.0%	6.6%	-6.2%	3.0%	4.1%	0.7%	3.3%	-7.6%	-7.1%	-4.8%	-1.9%
Critical (15%)												
No Action Alternative	960	888	857	1,333	1,085	835	994	1,030	1,434	1,234	894	936
Alternative D	1,019	861	862	1,427	1,086	879	1,115	1,265	1,101	1,049	946	893
Difference	59	-27	5	94	0	44	122	235	-332	-185	53	-43
Percent Difference	6.2%	-3.1%	0.5%	7.0%	0.0%	5.3%	12.3%	22.8%	-23.2%	-15.0%	5.9%	-4.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-47-9b
American River at Mouth, Monthly Flow
Probability of Exceedance

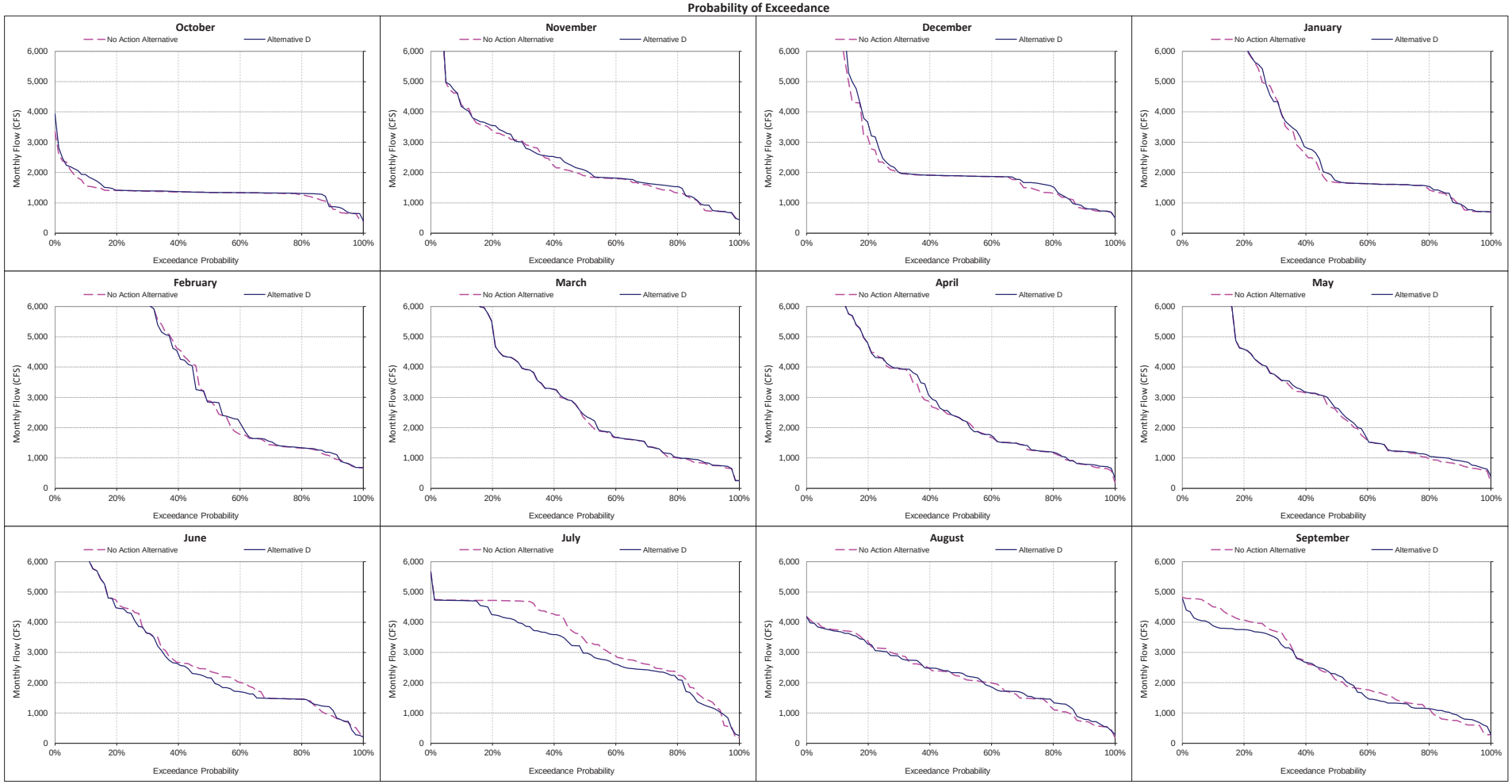

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,352	3,937	584	17.4%
1.2%	2,603	2,813	209	8.0%
2.5%	2,376	2,469	93	3.9%
3.7%	2,348	2,240	-109	-4.6%
4.9%	2,096	2,193	97	4.6%
6.2%	1,936	2,130	193	10.0%
7.4%	1,824	2,072	247	13.6%
8.6%	1,750	1,936	186	10.6%
9.9%	1,554	1,932	378	24.3%
11.1%	1,543	1,845	302	19.6%
12.3%	1,526	1,781	255	16.7%
13.6%	1,492	1,720	228	15.3%
14.8%	1,482	1,629	147	9.9%
16.0%	1,412	1,512	100	7.1%
17.3%	1,409	1,496	87	6.2%
18.5%	1,408	1,476	68	4.9%
19.8%	1,406	1,415	9	0.6%
21.0%	1,403	1,407	4	0.3%
22.2%	1,403	1,407	4	0.3%
23.5%	1,399	1,404	5	0.4%
24.7%	1,397	1,400	4	0.3%
25.9%	1,394	1,397	2	0.2%
27.2%	1,393	1,396	4	0.3%
28.4%	1,387	1,394	7	0.5%
29.6%	1,386	1,394	8	0.6%
30.9%	1,382	1,393	10	0.8%
32.1%	1,378	1,391	12	0.9%
33.3%	1,378	1,389	12	0.8%
34.6%	1,377	1,389	12	0.9%
35.8%	1,374	1,384	10	0.8%
37.0%	1,363	1,383	21	1.5%
38.3%	1,359	1,376	17	1.2%
39.5%	1,357	1,372	14	1.0%
40.7%	1,357	1,364	6	0.5%
42.0%	1,357	1,361	4	0.3%
43.2%	1,356	1,357	1	0.1%
44.4%	1,353	1,355	1	0.1%
45.7%	1,350	1,352	2	0.1%
46.9%	1,348	1,352	4	0.3%
48.1%	1,345	1,348	3	0.2%
49.4%	1,344	1,345	1	0.1%
50.6%	1,342	1,343	2	0.1%
51.9%	1,341	1,342	1	0.1%
53.1%	1,341	1,341	1	0.1%
54.3%	1,340	1,340	0	0.0%
55.6%	1,340	1,339	-1	-0.1%
56.8%	1,337	1,338	1	0.1%
58.0%	1,336	1,337	1	0.1%
59.3%	1,335	1,336	1	0.1%
60.5%	1,335	1,336	1	0.1%
61.7%	1,334	1,336	2	0.2%
63.0%	1,333	1,336	3	0.2%
64.2%	1,331	1,336	4	0.3%
65.4%	1,329	1,333	4	0.3%
66.7%	1,325	1,328	2	0.2%
67.9%	1,317	1,328	10	0.8%
69.1%	1,316	1,325	9	0.7%
70.4%	1,316	1,325	10	0.7%
71.6%	1,314	1,322	9	0.7%
72.8%	1,313	1,322	8	0.6%
74.1%	1,307	1,320	13	1.0%
75.3%	1,307	1,317	10	0.8%
76.5%	1,306	1,316	10	0.8%
77.8%	1,305	1,316	12	0.9%
79.0%	1,271	1,315	44	3.5%
80.2%	1,267	1,313	47	3.7%
81.5%	1,231	1,308	77	6.2%
82.7%	1,210	1,305	95	7.8%
84.0%	1,166	1,296	131	11.2%
85.2%	1,128	1,292	164	14.5%
86.4%	1,082	1,279	197	18.2%
87.7%	1,053	1,218	166	15.7%
88.9%	969	871	-98	-10.1%
90.1%	784	870	87	11.0%
91.4%	771	858	86	11.2%
92.6%	673	838	165	24.5%
93.8%	663	763	100	15.0%
95.1%	644	682	38	5.9%
96.3%	643	651	8	1.2%
97.5%	641	643	2	0.3%
98.8%	433	643	210	48.6%
100.0%	393	393	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,212	17,212	0	0.0%
1.2%	15,042	15,042	0	0.0%
2.5%	7,951	7,951	0	0.0%
3.7%	6,782	7,091	309	4.6%
4.9%	4,957	4,975	18	0.4%
6.2%	4,731	4,913	181	3.8%
7.4%	4,628	4,744	117	2.5%
8.6%	4,621	4,612	-9	-0.2%
9.9%	4,251	4,187	-63	-1.5%
11.1%	4,110	4,099	-11	-0.3%
12.3%	4,109	4,024	-85	-2.1%
13.6%	3,805	3,805	0	0.0%
14.8%	3,636	3,740	104	2.9%
16.0%	3,582	3,681	99	2.8%
17.3%	3,566	3,657	92	2.6%
18.5%	3,506	3,601	95	2.7%
19.8%	3,401	3,548	148	4.3%
21.0%	3,298	3,543	245	7.4%
22.2%	3,295	3,416	121	3.7%
23.5%	3,235	3,366	131	4.0%
24.7%	3,202	3,294	92	2.9%
25.9%	3,101	3,264	162	5.2%
27.2%	3,085	3,050	-35	-1.1%
28.4%	3,069	3,015	-54	-1.8%
29.6%	3,039	3,011	-28	-0.9%
30.9%	2,917	2,801	-116	-4.0%
32.1%	2,877	2,760	-117	-4.1%
33.3%	2,829	2,677	-152	-5.4%
34.6%	2,803	2,613	-190	-6.8%
35.8%	2,613	2,576	-37	-1.4%
37.0%	2,488	2,556	68	2.7%
38.3%	2,450	2,532	82	3.4%
39.5%	2,263	2,532	269	11.9%
40.7%	2,152	2,498	346	16.1%
42.0%	2,151	2,485	335	15.6%
43.2%	2,091	2,355	264	12.6%
44.4%	2,079	2,288	209	10.1%
45.7%	2,040	2,227	187	9.2%
46.9%	1,983	2,165	182	9.2%
48.1%	1,968	2,127	159	8.1%
49.4%	1,904	2,091	187	9.8%
50.6%	1,884	2,046	162	8.6%
51.9%	1,847	1,964	118	6.4%
53.1%	1,840	1,855	15	0.8%
54.3%	1,826	1,847	20	1.1%
55.6%	1,825	1,840	15	0.8%
56.8%	1,813	1,838	25	1.4%
58.0%	1,808	1,820	11	0.6%
59.3%	1,796	1,815	19	1.1%
60.5%	1,791	1,813	22	1.2%
61.7%	1,790	1,810	20	1.1%
63.0%	1,776	1,791	15	0.8%
64.2%	1,757	1,776	20	1.1%
65.4%	1,667	1,766	99	5.9%
66.7%	1,666	1,700	34	2.1%
67.9%	1,608	1,682	74	4.6%
69.1%	1,600	1,652	52	3.3%
70.4%	1,588	1,643	55	3.5%
71.6%	1,530	1,615	86	5.6%
72.8%	1,488	1,608	120	8.1%
74.1%	1,460	1,598	138	9.4%
75.3%	1,423	1,575	151	10.6%
76.5%	1,421	1,565	143	10.1%
77.8%	1,404	1,561	157	11.2%
79.0%	1,340	1,535	195	14.6%
80.2%	1,324	1,530	206	15.6%
81.5%	1,311	1,471	160	12.2%
82.7%	1,240	1,227	-13	-1.1%
84.0%	1,162	1,225	63	5.4%
85.2%	1,137	1,170	33	2.9%
86.4%	1,061	1,069	8	0.8%
87.7%	894	947	53	6.0%
88.9%	748	925	177	23.7%
90.1%	725	918	193	26.6%
91.4%	722	747	24	3.4%
92.6%	720	731	10	1.4%
93.8%	716	721	5	0.7%
95.1%	714	716	2	0.2%
96.3%	682	682	0	0.0%
97.5%	672	674	2	0.2%
98.8%	513	483	-31	-6.0%
100.0%	377	447	70	18.5%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,792	20,510	718	3.6%
1.2%	16,520	17,137	616	3.7%
2.5%	15,879	15,657	-223	-1.4%
3.7%	15,689	15,626	-64	-0.4%
4.9%	13,769	13,762	-7	-0.1%
6.2%	12,867	13,635	767	6.0%
7.4%	8,949	9,004	55	0.6%
8.6%	8,757	8,749	-8	-0.1%
9.9%	7,132	7,129	-3	0.0%
11.1%	6,576	6,676	100	1.5%
12.3%	5,740	6,576	836	14.6%
13.6%	5,025	5,285	260	5.2%
14.8%	4,349	4,981	631	14.5%
16.0%	4,306	4,763	457	10.6%
17.3%	4,294	4,291	-3	-0.1%
18.5%	3,212	3,784	572	17.8%
19.8%	3,196	3,671	475	14.9%
21.0%	2,781	3,208	426	15.3%
22.2%	2,742	3,177	435	15.9%
23.5%	2,349	2,781	432	18.4%
24.7%	2,342	2,466	124	5.3%
25.9%	2,221	2,332	111	5.0%
27.2%	2,096	2,221	125	5.9%
28.4%	2,059	2,168	109	5.3%
29.6%	2,002	2,015	13	0.7%
30.9%	1,969	1,972	3	0.1%
32.1%	1,950	1,967	17	0.9%
33.3%	1,934	1,950	15	0.8%
34.6%	1,933	1,934	1	0.1%
35.8%	1,922	1,932	10	0.5%
37.0%	1,918	1,922	4	0.2%
38.3%	1,917	1,919	2	0.1%
39.5%	1,911	1,911	0	0.0%
40.7%	1,911	1,908	-2	-0.1%
42.0%	1,899	1,900	1	0.0%
43.2%	1,897	1,899	2	0.1%
44.4%	1,896	1,898	1	0.1%
45.7%	1,896	1,896	0	0.0%
46.9%	1,896	1,893	-3	-0.2%
48.1%	1,896	1,893	-3	-0.2%
49.4%	1,893	1,891	-2	-0.1%
50.6%	1,884	1,882	-2	-0.1%
51.9%	1,879	1,882	2	0.1%
53.1%	1,878	1,879	1	0.0%
54.3%	1,878	1,878	0	0.0%
55.6%	1,876	1,873	-4	-0.2%
56.8%	1,872	1,870	-2	-0.1%
58.0%	1,872	1,870	-2	-0.1%
59.3%	1,870	1,869	-1	-0.1%
60.5%	1,867	1,869	2	0.1%
61.7%	1,858	1,868	10	0.5%
63.0%	1,857	1,862	6	0.3%
64.2%	1,856	1,858	2	0.1%
65.4%	1,846	1,857	11	0.6%
66.7%	1,770	1,848	78	4.4%
67.9%	1,767	1,780	12	0.7%
69.1%	1,666	1,768	102	6.1%
70.4%	1,502	1,668	166	11.1%
71.6%	1,500	1,668	168	11.2%
72.8%	1,486	1,663	177	11.9%
74.1%	1,441	1,651	210	14.6%
75.3%	1,400	1,640	240	17.1%
76.5%	1,342	1,617	275	20.5%
77.8%	1,340	1,581	241	18.0%
79.0%	1,333	1,570	237	17.8%
80.2%	1,303	1,504	202	15.5%
81.5%	1,285	1,329	44	3.4%
82.7%	1,181	1,259	78	6.6%
84.0%	1,178	1,191	13	1.1%
85.2%	1,132	1,115	-17	-1.5%
86.4%	1,094	970	-125	-11.4%
87.7%	852	946	95	11.1%
88.9%	829	921	92	11.1%
90.1%	799	826	27	3.4%
91.4%	790	797	7	0.9%
92.6%	766	793	28	3.6%
93.8%	731	790	58	8.0%
95.1%	722	731	10	1.3%
96.3%	722	730	9	1.2%
97.5%	718	722	3	0.5%
98.8%	689	689	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,271	30,565	-706	-2.3%
1.2%	20,335	20,332	-2	0.0%
2.5%	17,648	17,638	-10	-0.1%
3.7%	15,531	15,821	290	1.9%
4.9%	14,746	15,520	773	5.2%
6.2%	12,801	12,795	-6	0.0%
7.4%	11,517	11,517	0	0.0%
8.6%	10,745	10,740	-5	0.0%
9.9%	10,534	10,595	61	0.6%
11.1%	9,896	10,277	381	3.9%
12.3%	9,298	9,288	-10	-0.1%
13.6%	9,052	9,053	1	0.0%
14.8%	8,927	8,923	-4	0.0%
16.0%	7,747	7,742	-5	-0.1%
17.3%	7,461	7,406	-56	-0.7%
18.5%	6,778	6,708	-71	-1.0%
19.8%	6,640	6,524	-116	-1.7%
21.0%	6,012	6,045	33	0.5%
22.2%	5,818	5,838	20	0.3%
23.5%	5,645	5,645	0	0.0%
24.7%	5,417	5,565	148	2.7%
25.9%	4,982	5,416	434	8.7%
27.2%	4,907	4,894	-13	-0.3%
28.4%	4,861	4,552	-309	-6.4%
29.6%	4,565	4,340	-226	-4.9%
30.9%	4,346	4,338	-8	-0.2%
32.1%	3,937	3,932	-5	-0.1%
33.3%	3,528	3,692	164	4.7%
34.6%	3,392	3,579	188	5.5%
35.8%	3,364	3,469	105	3.1%
37.0%	2,907	3,373	466	16.0%
38.3%	2,782	3,156	374	13.4%
39.5%	2,644	2,853	209	7.9%
40.7%	2,487	2,791	304	12.2%
42.0%	2,482	2,759	277	11.2%
43.2%	2,375	2,644	269	11.3%
44.4%	2,079	2,440	361	17.3%
45.7%	1,863	2,018	155	8.3%
46.9%	1,712	1,988	276	16.1%
48.1%	1,704	1,925	221	13.0%
49.4%	1,676	1,750	75	4.4%
50.6%	1,664	1,704	40	2.4%
51.9%	1,659	1,664	5	0.3%
53.1%	1,653	1,659	5	0.3%
54.3%	1,644	1,653	10	0.6%
55.6%	1,641	1,644	3	0.2%
56.8%	1,638	1,641	3	0.2%
58.0%	1,631	1,638	7	0.4%
59.3%	1,631	1,631	0	0.0%
60.5%	1,627	1,629	3	0.2%
61.7%	1,621	1,627	5	0.3%
63.0%	1,616	1,616	0	0.0%
64.2%	1,612	1,612	0	0.0%
65.4%	1,610	1,610	0	0.0%
66.7%	1,608	1,608	0	0.0%
67.9%	1,608	1,608	0	0.0%
69.1%	1,607	1,607	0	0.0%
70.4%	1,600	1,600	0	0.0%
71.6%	1,599	1,599	0	0.0%
72.8%	1,597	1,597	0	0.0%
74.1%	1,582	1,582	0	0.0%
75.3%	1,574	1,574	0	0.0%
76.5%	1,573	1,573	0	0.0%
77.8%	1,573	1,573	0	0.0%
79.0%	1,518	1,558	40	2.7%
80.2%	1,418	1,526	108	7.6%
81.5%	1,375	1,426	50	3.7%
82.7%	1,340	1,424	84	6.2%
84.0%	1,325	1,373	48	3.6%
85.2%	1,296	1,327	32	2.4%
86.4%	1,173	1,317	144	12.3%
87.7%	1,149	1,018	-131	-11.4%
88.9%	1,016	982	-34	-3.4%
90.1%	973	952	-22	-2.2%
91.4%	774	876	102	13.2%
92.6%	748	774	26	3.5%
93.8%	721	772	51	7.1%
95.1%	709	721	13	1.8%
96.3%	709	709	0	0.0%
97.5%	707	708	1	0.2%
98.8%	702	700	-2	-0.2%
100.0%	700	694	-7	-0.9%

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,227	32,215	-11	0.0%
1.2%	15,568	15,437	-131	-0.8%
2.5%	13,665	13,665	0	0.0%
3.7%	13,455	13,465	10	0.1%
4.9%	13,388	13,392	4	0.0%
6.2%	13,055	13,045	-10	-0.1%
7.4%	12,559	12,849	290	2.3%
8.6%	12,308	12,309	1	0.0%
9.9%	11,319	11,314	-5	0.0%
11.1%	11,196	11,186	-10	-0.1%
12.3%	10,797	10,797	0	0.0%
13.6%	10,507	10,508	1	0.0%
14.8%	10,012	10,009	-3	0.0%
16.0%	9,804	9,804	0	0.0%
17.3%	9,700	9,700	0	0.0%
18.5%	9,304	9,304	0	0.0%
19.8%	9,165	9,152	-13	-0.1%
21.0%	7,881	8,435	554	7.0%
22.2%	7,868	7,862	-6	-0.1%
23.5%	7,716	7,371	-345	-4.5%
24.7%	7,057	7,057	0	0.0%
25.9%	7,030	7,028	-2	0.0%
27.2%	6,732	6,701	-30	-0.5%
28.4%	6,105	6,578	473	7.7%
29.6%	6,075	6,076	1	0.0%
30.9%	6,023	6,023	0	0.0%
32.1%	5,922	5,922	0	0.0%
33.3%	5,551	5,398	-154	-2.8%
34.6%	5,408	5,156	-252	-4.7%
35.8%	5,156	5,074	-82	-1.6%
37.0%	5,074	5,044	-30	-0.6%
38.3%	4,864	4,620	-243	-5.0%
39.5%	4,621	4,547	-74	-1.6%
40.7%	4,549	4,256	-293	-6.4%
42.0%	4,346	4,233	-113	-2.6%
43.2%	4,232	4,091	-141	-3.3%
44.4%	4,091	4,049	-42	-1.0%
45.7%	4,049	3,258	-791	-19.5%
46.9%	3,294	3,234	-59	-1.8%
48.1%	3,218	3,210	-8	-0.2%
49.4%	2,895	2,846	-48	-1.7%
50.6%	2,865	2,843	-22	-0.8%
51.9%	2,723	2,841	118	4.3%
53.1%	2,452	2,826	374	15.3%
54.3%	2,395	2,402	6	0.3%
55.6%	2,347	2,382	35	1.5%
56.8%	2,066	2,338	272	13.2%
58.0%	1,895	2,297	401	21.2%
59.3%	1,814	2,275	461	25.4%
60.5%	1,754	2,067	313	17.9%
61.7%	1,747	1,855	108	6.2%
63.0%	1,646	1,686	40	2.5%
64.2%	1,642	1,646	4	0.2%
65.4%	1,640	1,642	2	0.1%
66.7%	1,622	1,640	18	1.1%
67.9%	1,556	1,622	66	4.2%
69.1%	1,442	1,556	114	7.9%
70.4%	1,435	1,527	93	6.5%
71.6%	1,404	1,442	38	2.7%
72.8%	1,393	1,397	4	0.3%
74.1%	1,371	1,393	23	1.6%
75.3%	1,366	1,371	4	0.3%
76.5%	1,364	1,366	2	0.1%
77.8%	1,343	1,364	22	1.6%
79.0%	1,334	1,345	11	0.8%
80.2%	1,321	1,334	13	1.0%
81.5%	1,319	1,321	2	0.1%
82.7%	1,305	1,319	14	1.1%
84.0%	1,274	1,303	29	2.3%
85.2%	1,253	1,261	8	0.7%
86.4%	1,152	1,259	108	9.4%
87.7%	1,103	1,194	91	8.2%
88.9%	1,083	1,188	104	9.6%
90.1%	986	1,150	164	16.6%
91.4%	954	1,108	154	16.1%
92.6%	936	887	-49	-5.3%
93.8%	842	849	7	0.8%
95.1%	815	815	0	0.0%
96.3%	731	755	23	3.2%
97.5%	686	686	0	0.0%
98.8%	681	686	5	0.7%
100.0%	673	681	8	1.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,571	16,577	6	0.0%
1.2%	15,907	15,907	0	0.0%
2.5%	11,876	12,302	426	3.6%
3.7%	11,724	11,875	151	1.3%
4.9%	11,658	11,658	0	0.0%
6.2%	10,853	10,853	0	0.0%
7.4%	10,435	10,446	10	0.1%
8.6%	8,878	8,878	0	0.0%
9.9%	7,794	8,378	584	7.5%
11.1%	7,547	7,662	115	1.5%
12.3%	7,117	7,117	0	0.0%
13.6%	6,499	6,499	0	0.0%
14.8%	6,188	6,188	0	0.0%
16.0%	5,993	5,993	0	0.0%
17.3%	5,969	5,967	-2	0.0%
18.5%	5,774	5,774	0	0.0%
19.8%	5,518	5,524	6	0.1%
21.0%	4,671	4,671	0	0.0%
22.2%	4,497	4,498	2	0.0%
23.5%	4,368	4,362	-6	-0.1%
24.7%	4,347	4,341	-6	-0.1%
25.9%	4,330	4,320	-10	-0.2%
27.2%	4,253	4,253	0	0.0%
28.4%	4,157	4,157	0	0.0%
29.6%	3,961	3,961	0	0.0%
30.9%	3,921	3,921	0	0.0%
32.1%	3,909	3,907	-2	0.0%
33.3%	3,831	3,809	-21	-0.6%
34.6%	3,544	3,555	11	0.3%
35.8%	3,469	3,469	0	0.0%
37.0%	3,304	3,304	0	0.0%
38.3%	3,303	3,303	0	0.0%
39.5%	3,274	3,274	0	0.0%
40.7%	3,247	3,245	-2	-0.1%
42.0%	2,998	3,063	66	2.2%
43.2%	2,979	2,975	-4	-0.1%
44.4%	2,924	2,914	-11	-0.4%
45.7%	2,880	2,887	7	0.3%
46.9%	2,773	2,773	0	0.0%
48.1%	2,592	2,592	1	0.0%
49.4%	2,363	2,445	82	3.5%
50.6%	2,223	2,350	127	5.7%
51.9%	2,080	2,299	219	10.5%
53.1%	1,952	2,223	271	13.9%
54.3%	1,882	1,935	53	2.8%
55.6%	1,872	1,885	14	0.7%
56.8%	1,864	1,867	4	0.2%
58.0%	1,788	1,863	75	4.2%
59.3%	1,678	1,702	24	1.4%
60.5%	1,670	1,678	8	0.5%
61.7%	1,653	1,653	0	0.0%
63.0%	1,624	1,631	7	0.4%
64.2%	1,618	1,624	6	0.4%
65.4%	1,597	1,597	0	0.0%
66.7%	1,591	1,591	0	0.0%
67.9%	1,563	1,563	0	0.0%
69.1%	1,552	1,547	-5	-0.3%
70.4%	1,383	1,362	-22	-1.6%
71.6%	1,362	1,360	-1	-0.1%
72.8%	1,328	1,328	0	0.0%
74.1%	1,294	1,296	2	0.1%
75.3%	1,173	1,171	-2	-0.2%
76.5%	1,055	1,158	102	9.7%
77.8%	1,035	1,140	105	10.1%
79.0%	1,014	1,028	15	1.4%
80.2%	1,000	1,017	17	1.7%
81.5%	974	992	17	1.8%
82.7%	969	989	20	2.1%
84.0%	932	976	43	4.7%
85.2%	865	957	92	10.6%
86.4%	854	948	94	11.0%
87.7%	833	903	70	8.4%
88.9%	823	844	22	2.6%
90.1%	757	833	76	10.0%
91.4%	753	762	9	1.2%
92.6%	743	753	10	1.3%
93.8%	743	743	0	0.0%
95.1%	685	739	54	7.9%
96.3%	664	722	58	8.7%
97.5%	655	649	-7	-1.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,288	14,287	-1	0.0%
1.2%	10,065	10,065	0	0.0%
2.5%	8,225	8,225	0	0.0%
3.7%	7,441	7,441	0	0.0%
4.9%	7,330	7,330	0	0.0%
6.2%	6,693	6,696	3	0.1%
7.4%	6,681	6,681	0	0.0%
8.6%	6,465	6,465	0	0.0%
9.9%	6,453	6,453	0	0.0%
11.1%	6,116	6,116	0	0.0%
12.3%	6,075	6,075	0	0.0%
13.6%	5,758	5,758	0	0.0%
14.8%	5,694	5,693	0	0.0%
16.0%	5,398	5,398	0	0.0%
17.3%	5,274	5,274	0	0.0%
18.5%	4,979	4,979	0	0.0%
19.8%	4,804	4,803	-1	0.0%
21.0%	4,496	4,461	-35	-0.8%
22.2%	4,461	4,323	-138	-3.1%
23.5%	4,336	4,306	-30	-0.7%
24.7%	4,298	4,298	0	0.0%
25.9%	4,040	4,128	87	2.2%
27.2%	3,968	4,040	72	1.8%
28.4%	3,968	3,968	1	0.0%
29.6%	3,938	3,968	29	0.7%
30.9%	3,933	3,933	0	0.0%
32.1%	3,926	3,933	7	0.2%
33.3%	3,812	3,931	120	3.1%
34.6%	3,481	3,812	330	9.5%
35.8%	3,466	3,746	280	8.1%
37.0%	3,082	3,481	399	13.0%
38.3%	2,923	3,455	532	18.2%
39.5%	2,878	3,082	204	7.1%
40.7%	2,679	2,937	258	9.6%
42.0%	2,643	2,879	235	8.9%
43.2%	2,571	2,643	72	2.8%
44.4%	2,566	2,571	5	0.2%
45.7%	2,453	2,566	113	4.6%
46.9%	2,430	2,430	0	0.0%
48.1%	2,388	2,379	-9	-0.4%
49.4%	2,339	2,339	0	0.0%
50.6%	2,254	2,245	-9	-0.4%
51.9%	2,211	2,206	-5	-0.2%
53.1%	2,114	1,983	-132	-6.2%
54.3%	1,983	1,869	-114	-5.7%
55.6%	1,869	1,867	-2	-0.1%
56.8%	1,823	1,795	-28	-1.5%
58.0%	1,777	1,779	2	0.1%
59.3%	1,702	1,776	74	4.3%
60.5%	1,646	1,702	56	3.4%
61.7%	1,561	1,541	-20	-1.3%
63.0%	1,525	1,512	-13	-0.8%
64.2%	1,512	1,511	-1	-0.1%
65.4%	1,511	1,503	-8	-0.5%
66.7%	1,503	1,493	-10	-0.7%
67.9%	1,492	1,492	0	0.0%
69.1%	1,450	1,450	0	0.0%
70.4%	1,427	1,422	-5	-0.4%
71.6%	1,269	1,412	142	11.2%
72.8%	1,255	1,269	14	1.1%
74.1%	1,236	1,255	19	1.6%
75.3%	1,218	1,236	18	1.5%
76.5%	1,216	1,218	2	0.2%
77.8%	1,205	1,211	7	0.6%
79.0%	1,198	1,205	6	0.5%
80.2%	1,155	1,184	30	2.6%
81.5%	1,098	1,143	45	4.1%
82.7%	1,054	1,052	-2	-0.2%
84.0%	948	1,032	85	8.9%
85.2%	919	913	-5	-0.6%
86.4%	899	911	12	1.3%
87.7%	850	815	-35	-4.2%
88.9%	798	812	14	1.7%
90.1%	783	797	13	1.7%
91.4%	783	792	9	1.1%
92.6%	720	777	57	7.9%
93.8%	685	762	77	11.3%
95.1%	680	727	47	6.9%
96.3%	654	719	65	9.9%
97.5%	640	709	69	10.8%
98.8%	579	658	80	13.8%
100.0%	188	345	157	83.3%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,046	11,046	0	0.0%
1.2%	10,814	10,814	0	0.0%
2.5%	9,908	9,908	0	0.0%
3.7%	9,441	9,441	0	0.0%
4.9%	9,023	9,023	0	0.0%
6.2%	8,902	8,902	0	0.0%
7.4%	8,666	8,666	0	0.0%
8.6%	8,615	8,615	0	0.0%
9.9%	7,838	7,838	0	0.0%
11.1%	7,828	7,828	0	0.0%
12.3%	6,560	6,560	0	0.0%
13.6%	6,421	6,421	0	0.0%
14.8%	6,195	6,195	0	0.0%
16.0%	5,982	5,982	0	0.0%
17.3%	4,889	4,874	-15	-0.3%
18.5%	4,636	4,636	0	0.0%
19.8%	4,602	4,602	0	0.0%
21.0%	4,545	4,545	0	0.0%
22.2%	4,439	4,439	0	0.0%
23.5%	4,266	4,266	0	0.0%
24.7%	4,159	4,159	0	0.0%
25.9%	4,063	4,072	9	0.2%
27.2%	4,060	4,029	-30	-0.7%
28.4%	3,817	3,794	-23	-0.6%
29.6%	3,772	3,772	0	0.0%
30.9%	3,656	3,681	25	0.7%
32.1%	3,550	3,571	22	0.6%
33.3%	3,544	3,550	5	0.2%
34.6%	3,397	3,544	147	4.3%
35.8%	3,275	3,397	122	3.7%
37.0%	3,195	3,317	121	3.8%
38.3%	3,191	3,275	84	2.6%
39.5%	3,160	3,191	31	1.0%
40.7%	3,142	3,162	20	0.6%
42.0%	3,134	3,142	9	0.3%
43.2%	3,121	3,134	13	0.4%
44.4%	3,060	3,081	21	0.7%
45.7%	3,034	3,060	26	0.9%
46.9%	2,760	3,005	245	8.9%
48.1%	2,674	2,852	179	6.7%
49.4%	2,626	2,671	45	1.7%
50.6%	2,465	2,626	161	6.5%
51.9%	2,333	2,465	132	5.7%
53.1%	2,254	2,333	79	3.5%
54.3%	2,151	2,243	93	4.3%
55.6%	2,011	2,151	139	6.9%
56.8%	1,969	2,010	41	2.1%
58.0%	1,750	1,971	220	12.6%
59.3%	1,649	1,750	102	6.2%
60.5%	1,518	1,518	0	0.0%
61.7%	1,504	1,504	0	0.0%
63.0%	1,480	1,480	0	0.0%
64.2%	1,473	1,473	0	0.0%
65.4%	1,437	1,437	0	0.0%
66.7%	1,235	1,277	42	3.4%
67.9%	1,221	1,235	14	1.1%
69.1%	1,217	1,228	11	0.9%
70.4%	1,211	1,221	10	0.9%
71.6%	1,210	1,217	7	0.5%
72.8%	1,201	1,210	9	0.7%
74.1%	1,154	1,201	47	4.1%
75.3%	1,153	1,187	35	3.0%
76.5%	1,090	1,141	51	4.7%
77.8%	1,038	1,141	102	9.9%
79.0%	1,029	1,114	85	8.2%
80.2%	947	1,045	98	10.4%
81.5%	941	1,042	101	10.7%
82.7%	928	1,019	91	9.8%
84.0%	870	1,018	147	16.9%
85.2%	863	1,004	141	16.3%
86.4%	845	985	139	16.5%
87.7%	830	939	109	13.2%
88.9%	796	923	128	16.0%
90.1%	768	909	140	18.3%
91.4%	716	878	162	22.6%
92.6%	698	858	160	23.0%
93.8%	661	761	100	15.2%
95.1%	649	748	99	15.3%
96.3%	627	705	78	12.5%
97.5%	594	661	67	11.3%
98.8%	571	626	55	9.6%
100.0%	188	390	202	107.4%

Table SW-47-9b

American River at Mouth, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,766	13,766	0	0.0%
1.2%	10,536	10,536	0	0.0%
2.5%	9,902	9,902	0	0.0%
3.7%	9,861	9,861	0	0.0%
4.9%	9,776	9,776	0	0.0%
6.2%	8,707	8,707	0	0.0%
7.4%	8,224	8,224	0	0.0%
8.6%	7,094	7,094	0	0.0%
9.9%	6,644	6,644	0	0.0%
11.1%	6,014	6,014	0	0.0%
12.3%	5,758	5,758	0	0.0%
13.6%	5,705	5,705	0	0.0%
14.8%	5,433	5,433	0	0.0%
16.0%	5,271	5,271	0	0.0%
17.3%	4,817	4,800	-17	-0.4%
18.5%	4,789	4,789	0	0.0%
19.8%	4,739	4,482	-257	-5.4%
21.0%	4,541	4,450	-90	-2.0%
22.2%	4,482	4,442	-40	-0.9%
23.5%	4,448	4,315	-132	-3.0%
24.7%	4,442	4,294	-148	-3.3%
25.9%	4,315	4,039	-276	-6.4%
27.2%	4,294	3,857	-437	-10.2%
28.4%	3,813	3,842	29	0.8%
29.6%	3,647	3,647	0	0.0%
30.9%	3,617	3,617	0	0.0%
32.1%	3,526	3,500	-26	-0.7%
33.3%	3,500	3,214	-287	-8.2%
34.6%	3,143	3,065	-78	-2.5%
35.8%	3,065	2,879	-186	-6.1%
37.0%	2,864	2,746	-118	-4.1%
38.3%	2,776	2,657	-119	-4.3%
39.5%	2,672	2,639	-33	-1.2%
40.7%	2,662	2,571	-91	-3.4%
42.0%	2,639	2,553	-86	-3.2%
43.2%	2,635	2,457	-177	-6.7%
44.4%	2,553	2,309	-245	-9.6%
45.7%	2,528	2,294	-233	-9.2%
46.9%	2,468	2,268	-200	-8.1%
48.1%	2,464	2,223	-241	-9.8%
49.4%	2,447	2,161	-286	-11.7%
50.6%	2,363	2,159	-204	-8.6%
51.9%	2,327	1,974	-353	-15.2%
53.1%	2,296	1,932	-364	-15.8%
54.3%	2,197	1,839	-358	-16.3%
55.6%	2,193	1,837	-355	-16.2%
56.8%	2,176	1,806	-370	-17.0%
58.0%	2,116	1,720	-396	-18.7%
59.3%	2,029	1,712	-318	-15.6%
60.5%	1,997	1,696	-301	-15.1%
61.7%	1,966	1,670	-296	-15.1%
63.0%	1,882	1,631	-250	-13.3%
64.2%	1,839	1,627	-211	-11.5%
65.4%	1,720	1,495	-224	-13.0%
66.7%	1,712	1,491	-221	-12.9%
67.9%	1,495	1,491	-4	-0.3%
69.1%	1,491	1,478	-13	-0.8%
70.4%	1,480	1,478	-2	-0.1%
71.6%	1,480	1,477	-2	-0.2%
72.8%	1,472	1,472	0	0.0%
74.1%	1,472	1,472	0	0.0%
75.3%	1,468	1,468	0	0.0%
76.5%	1,458	1,468	10	0.7%
77.8%	1,457	1,458	0	0.0%
79.0%	1,457	1,457	0	0.0%
80.2%	1,455	1,455	0	0.0%
81.5%	1,451	1,447	-4	-0.3%
82.7%	1,403	1,356	-47	-3.4%
84.0%	1,254	1,293	40	3.2%
85.2%	1,176	1,271	95	8.1%
86.4%	1,045	1,238	193	18.4%
87.7%	980	1,220	240	24.5%
88.9%	946	1,206	261	27.5%
90.1%	889	1,087	198	22.2%
91.4%	814	829	15	1.9%
92.6%	803	782	-21	-2.6%
93.8%	726	726	0	0.0%
95.1%	690	724	33	4.8%
96.3%	550	430	-120	-21.8%
97.5%	511	282	-229	-44.8%
98.8%	332	260	-71	-21.5%
100.0%	188	205	17	9.3%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,671	5,665	-6	-0.1%
1.2%	4,743	4,733	-10	-0.2%
2.5%	4,743	4,727	-16	-0.3%
3.7%	4,735	4,724	-11	-0.2%
4.9%	4,733	4,723	-11	-0.2%
6.2%	4,727	4,722	-5	-0.1%
7.4%	4,727	4,720	-7	-0.1%
8.6%	4,727	4,720	-7	-0.1%
9.9%	4,726	4,717	-9	-0.2%
11.1%	4,724	4,716	-7	-0.2%
12.3%	4,723	4,709	-14	-0.3%
13.6%	4,723	4,705	-18	-0.4%
14.8%	4,720	4,702	-18	-0.4%
16.0%	4,719	4,552	-168	-3.6%
17.3%	4,719	4,530	-188	-4.0%
18.5%	4,718	4,504	-214	-4.5%
19.8%	4,717	4,252	-465	-9.9%
21.0%	4,717	4,232	-485	-10.3%
22.2%	4,716	4,213	-503	-10.7%
23.5%	4,712	4,157	-555	-11.8%
24.7%	4,709	4,132	-577	-12.3%
25.9%	4,707	4,115	-592	-12.6%
27.2%	4,707	4,072	-635	-13.5%
28.4%	4,702	3,986	-716	-15.2%
29.6%	4,698	3,960	-739	-15.7%
30.9%	4,690	3,869	-821	-17.5%
32.1%	4,684	3,853	-831	-17.7%
33.3%	4,623	3,723	-901	-19.5%
34.6%	4,424	3,713	-710	-16.1%
35.8%	4,373	3,670	-703	-16.1%
37.0%	4,364	3,663	-701	-16.1%
38.3%	4,288	3,613	-675	-15.8%
39.5%	4,282	3,593	-689	-16.1%
40.7%	4,233	3,588	-644	-15.2%
42.0%	4,232	3,546	-686	-16.2%
43.2%	4,105	3,480	-624	-15.2%
44.4%	3,838	3,355	-483	-12.6%
45.7%	3,723	3,230	-493	-13.2%
46.9%	3,639	3,223	-416	-11.4%
48.1%	3,615	3,219	-395	-10.9%
49.4%	3,480	2,977	-503	-14.5%
50.6%	3,323	2,976	-346	-10.4%
51.9%	3,319	2,925	-394	-11.9%
53.1%	3,262	2,827	-435	-13.3%
54.3%	3,260	2,792	-468	-14.3%
55.6%	3,123	2,772	-351	-11.2%
56.8%	3,068	2,754	-314	-10.2%
58.0%	2,979	2,710	-269	-9.0%
59.3%	2,939	2,623	-316	-10.8%
60.5%	2,835	2,602	-232	-8.2%
61.7%	2,819	2,544	-275	-9.8%
63.0%	2,772	2,504	-268	-9.7%
64.2%	2,754	2,475	-279	-10.1%
65.4%	2,750	2,466	-284	-10.3%
66.7%	2,706	2,446	-261	-9.6%
67.9%	2,659	2,441	-217	-8.2%
69.1%	2,623	2,436	-187	-7.1%
70.4%	2,609	2,421	-188	-7.2%
71.6%	2,578	2,400	-178	-6.9%
72.8%	2,477	2,383	-94	-3.8%
74.1%	2,466	2,358	-108	-4.4%
75.3%	2,457	2,352	-105	-4.3%
76.5%	2,396	2,304	-92	-3.8%
77.8%	2,383	2,247	-136	-5.7%
79.0%	2,382	2,238	-144	-6.0%
80.2%	2,247	2,101	-147	-6.5%
81.5%	2,225	2,077	-148	-6.6%
82.7%	2,102	1,709	-394	-18.7%
84.0%	1,849	1,682	-167	-9.0%
85.2%	1,824	1,544	-280	-15.4%
86.4%	1,644	1,365	-278	-16.9%
87.7%	1,542	1,313	-229	-14.9%
88.9%	1,443	1,250	-193	-13.4%
90.1%	1,413	1,207	-206	-14.6%
91.4%	1,349	1,165	-184	-13.6%
92.6%	1,190	1,108	-82	-6.9%
93.8%	1,091	1,027	-64	-5.9%
95.1%	588	940	352	60.0%
96.3%	556	840	284	51.0%
97.5%	546	490	-56	-10.3%
98.8%	188	304	116	61.6%
100.0%	188	251	63	33.6%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,186	4,186	0	0.0%
1.2%	4,068	3,972	-96	-2.4%
2.5%	3,969	3,969	0	0.0%
3.7%	3,967	3,838	-129	-3.2%
4.9%	3,838	3,809	-29	-0.8%
6.2%	3,809	3,778	-31	-0.8%
7.4%	3,778	3,747	-31	-0.8%
8.6%	3,757	3,717	-40	-1.1%
9.9%	3,747	3,703	-44	-1.2%
11.1%	3,742	3,685	-57	-1.5%
12.3%	3,717	3,634	-84	-2.3%
13.6%	3,703	3,631	-72	-1.9%
14.8%	3,685	3,575	-111	-3.0%
16.0%	3,634	3,538	-95	-2.6%
17.3%	3,548	3,451	-97	-2.7%
18.5%	3,421	3,427	6	0.2%
19.8%	3,392	3,283	-110	-3.2%
21.0%	3,192	3,255	64	2.0%
22.2%	3,157	3,058	-98	-3.1%
23.5%	3,143	3,052	-92	-2.9%
24.7%	3,136	3,035	-101	-3.2%
25.9%	3,125	3,031	-95	-3.0%
27.2%	3,008	2,903	-105	-3.5%
28.4%	2,967	2,891	-76	-2.6%
29.6%	2,941	2,887	-54	-1.8%
30.9%	2,892	2,785	-107	-3.7%
32.1%	2,862	2,751	-110	-3.9%
33.3%	2,687	2,746	58	2.2%
34.6%	2,628	2,742	114	4.4%
35.8%	2,625	2,734	109	4.1%
37.0%	2,594	2,626	32	1.2%
38.3%	2,562	2,491	-71	-2.8%
39.5%	2,501	2,484	-17	-0.7%
40.7%	2,398	2,481	82	3.4%
42.0%	2,393	2,475	81	3.4%
43.2%	2,391	2,439	48	2.0%
44.4%	2,372	2,402	30	1.3%
45.7%	2,360	2,398	38	1.6%
46.9%	2,323	2,334	11	0.5%
48.1%	2,238	2,334	96	4.3%
49.4%	2,224	2,331	108	4.8%
50.6%	2,158	2,307	149	6.9%
51.9%	2,098	2,227	130	6.2%
53.1%	2,079	2,198	119	5.7%
54.3%	2,074	2,182	108	5.2%
55.6%	2,063	2,153	91	4.4%
56.8%	2,029	2,052	24	1.2%
58.0%	2,020	1,932	-88	-4.4%
59.3%	2,013	1,889	-124	-6.2%
60.5%	1,982	1,828	-154	-7.8%
61.7%	1,949	1,755	-194	-10.0%
63.0%	1,866	1,724	-143	-7.6%
64.2%	1,726	1,722	-4	-0.3%
65.4%	1,699	1,717	18	1.1%
66.7%	1,667	1,715	48	2.9%
67.9%	1,617	1,714	96	6.0%
69.1%	1,489	1,699	210	14.1%
70.4%	1,489	1,641	152	10.2%
71.6%	1,482	1,551	69	4.7%
72.8%	1,473	1,541	68	4.6%
74.1%	1,470	1,489	19	1.3%
75.3%	1,470	1,480	9	0.6%
76.5%	1,466	1,474	7	0.5%
77.8%	1,370	1,459	89	6.5%
79.0%	1,213	1,459	246	20.3%
80.2%	1,102	1,334	232	21.1%
81.5%	1,093	1,316	223	20.4%
82.7%	1,041	1,305	263	25.3%
84.0%	1,040	1,293	252	24.2%
85.2%	993	1,217	225	22.6%
86.4%	922	1,116	194	21.1%
87.7%	750	891	141	18.7%
88.9%	728	844	115	15.8%
90.1%	723	787	63	8.8%
91.4%	703	780	77	11.0%
92.6%	624	717	93	14.9%
93.8%	571	715	144	25.2%
95.1%	561	640	79	14.2%
96.3%	549	559	11	1.9%
97.5%	545	529	-17	-3.1%
98.8%	444	411	-32	-7.3%
100.0%	188	298	110	58.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,825	4,781	-44	-0.9%
1.2%	4,791	4,399	-392	-8.2%
2.5%	4,781	4,341	-440	-9.2%
3.7%	4,778	4,144	-634	-13.3%
4.9%	4,773	4,081	-692	-14.5%
6.2%	4,751	4,051	-700	-14.7%
7.4%	4,679	4,039	-640	-13.7%
8.6%	4,607	3,983	-624	-13.5%
9.9%	4,514	3,880	-634	-14.0%
11.1%	4,494	3,834	-660	-14.7%
12.3%	4,463	3,801	-662	-14.8%
13.6%	4,341	3,800	-540	-12.5%
14.8%	4,265	3,795	-470	-11.0%
16.0%	4,210	3,789	-422	-10.0%
17.3%	4,144	3,762	-383	-9.2%
18.5%	4,089	3,757	-332	-8.1%
19.8%	4,080	3,756	-324	-7.9%
21.0%	4,039	3,750	-290	-7.2%
22.2%	4,004	3,722	-282	-7.1%
23.5%	4,001	3,684	-317	-7.9%
24.7%	3,965	3,678	-287	-7.2%
25.9%	3,960	3,657	-303	-7.6%
27.2%	3,840	3,621	-219	-5.7%
28.4%	3,758	3,571	-187	-5.0%
29.6%	3,712	3,520	-192	-5.2%
30.9%	3,684	3,443	-240	-6.5%
32.1%	3,660	3,257	-403	-11.0%
33.3%	3,453	3,158	-296	-8.6%
34.6%	3,337	3,153	-184	-5.5%
35.8%	3,078	3,053	-25	-0.8%
37.0%	2,813	2,805	-8	-0.3%
38.3%	2,784	2,764	-21	-0.7%
39.5%	2,739	2,686	-52	-1.9%
40.7%	2,610	2,662	52	2.0%
42.0%	2,588	2,633	46	1.8%
43.2%	2,569	2,540	-29	-1.1%
44.4%	2,428	2,491	63	2.6%
45.7%	2,368	2,468	100	4.2%
46.9%	2,350	2,397	48	2.0%
48.1%	2,286	2,303	18	0.8%
49.4%	2,119	2,303	183	8.7%
50.6%	2,029	2,228	199	9.8%
51.9%	2,027	2,184	157	7.7%
53.1%	1,897	2,040	143	7.5%
54.3%	1,842	1,966	124	6.7%
55.6%	1,835	1,908	73	4.0%
56.8%	1,813	1,689	-124	-6.8%
58.0%	1,806	1,672	-134	-7.4%
59.3%	1,776	1,541	-235	-13.2%
60.5%	1,763	1,461	-302	-17.1%
61.7%	1,722	1,448	-274	-15.9%
63.0%	1,671	1,431	-240	-14.4%
64.2%	1,665	1,396	-270	-16.2%
65.4%	1,610	1,374	-236	-14.7%
66.7%	1,585	1,327	-258	-16.3%
67.9%	1,535	1,323	-212	-13.8%
69.1%	1,438	1,323	-115	-8.0%
70.4%	1,396	1,319	-77	-5.5%
71.6%	1,357	1,310	-48	-3.5%
72.8%	1,339	1,300	-39	-2.9%
74.1%	1,318	1,190	-129	-9.8%
75.3%	1,312	1,162	-150	-11.4%
76.5%	1,286	1,159	-127	-9.8%
77.8%	1,280	1,157	-123	-9.6%
79.0%	1,150	1,154	5	0.4%
80.2%	1,109	1,144	36	3.2%
81.5%	944	1,115	171	18.1%
82.7%	906	1,084	177	19.5%
84.0%	805	1,080	275	34.2%
85.2%	790	1,042	252	31.8%
86.4%	771	1,027	256	33.2%
87.7%	758	964	206	27.1%
88.9%	754	938	184	24.4%
90.1%	707	853	146	20.7%
91.4%	633	799	165	26.1%
92.6%	606	789	183	30.3%
93.8%	605	781	176	29.1%
95.1%	603	728	125	20.7%
96.3%	598	680	82	13.7%
97.5%	367	602	236	64.3%
98.8%	281	554	273	97.0%
100.0%	281	281	0	0.0%

Table SW-53-9a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3	4	5	6	7	6	4	4	5	6	5	4
Alternative D	3	4	5	6	7	6	4	4	5	6	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.1%	1.0%	8.0%	3.2%	3.4%	-1.4%	-1.3%	-1.4%	-6.0%	-2.2%	-2.8%	-3.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3	5	5	10	11	10	6	5	5	6	5	6
Alternative D	4	5	5	11	11	9	6	5	5	6	5	5
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	5.0%	-5.0%	10.2%	1.6%	1.1%	-0.7%	-0.2%	0.4%	-0.1%	-2.5%	-2.0%	-4.1%
Above Normal (15%)												
No Action Alternative	3	4	5	7	9	7	4	4	5	6	5	4
Alternative D	3	5	5	7	10	7	5	4	5	6	4	3
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	4.3%	4.2%	10.4%	0.6%	3.9%	-0.6%	1.0%	0.8%	-8.1%	-1.3%	-5.4%	-5.6%
Below Normal (17%)												
No Action Alternative	3	3	5	4	5	4	4	4	5	6	4	2
Alternative D	3	3	6	4	5	4	4	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	6.2%	7.5%	7.1%	6.6%	6.5%	-2.1%	0.2%	-1.1%	-8.1%	0.6%	-5.4%	0.1%
Dry (22%)												
No Action Alternative	3	3	5	3	4	4	3	4	5	6	5	2
Alternative D	2	3	5	3	4	3	3	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	-1	0	0	0
Percent Difference	-11.5%	7.2%	6.4%	11.4%	8.9%	-4.1%	-2.7%	-1.6%	-12.1%	-4.0%	-4.3%	-4.0%
Critical (15%)												
No Action Alternative	2	2	3	3	3	2	3	3	5	6	4	2
Alternative D	2	2	3	3	3	2	3	3	5	5	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-7.3%	0.2%	0.7%	4.0%	3.7%	-1.5%	-9.2%	-10.9%	-5.0%	-3.0%	4.1%	0.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

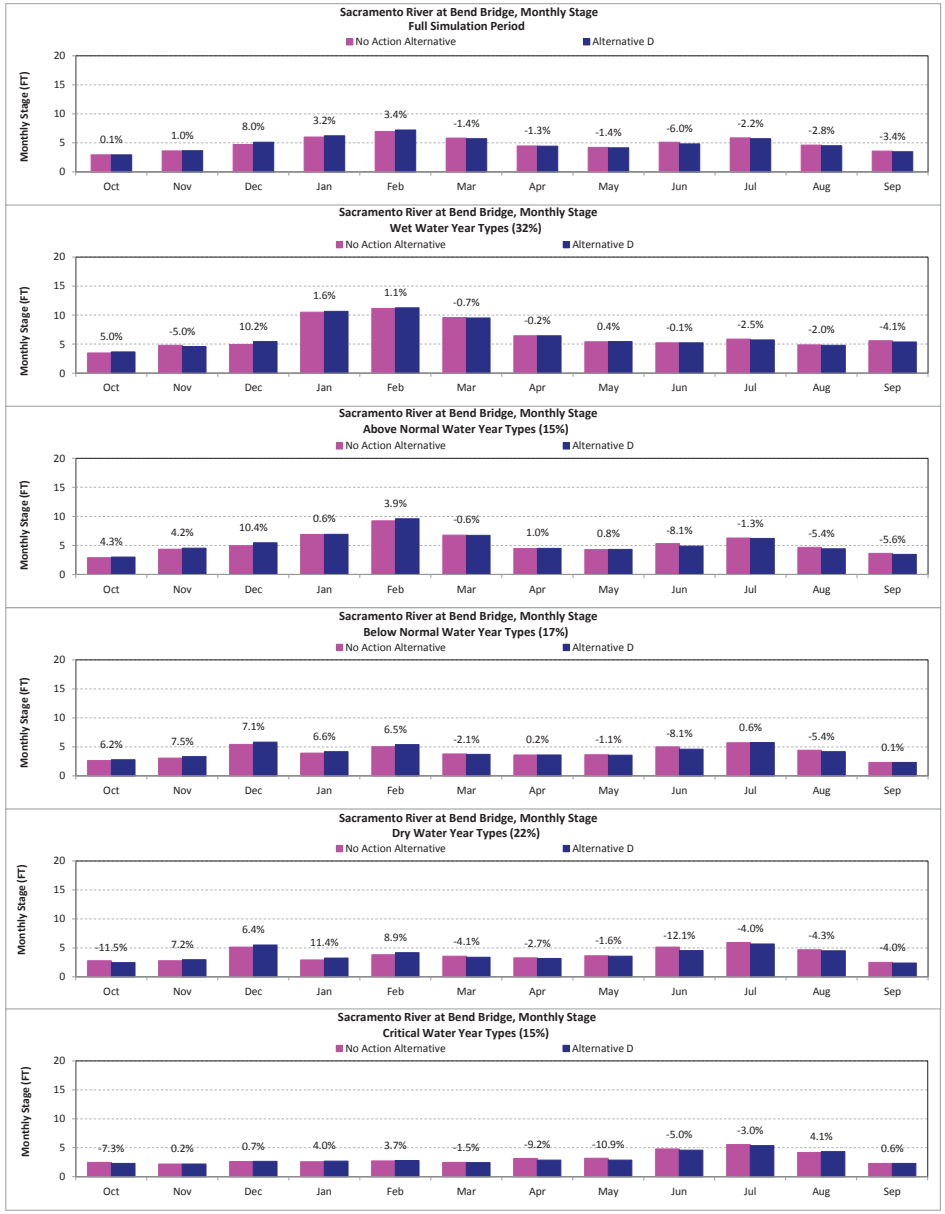

Figure SW-53-9b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

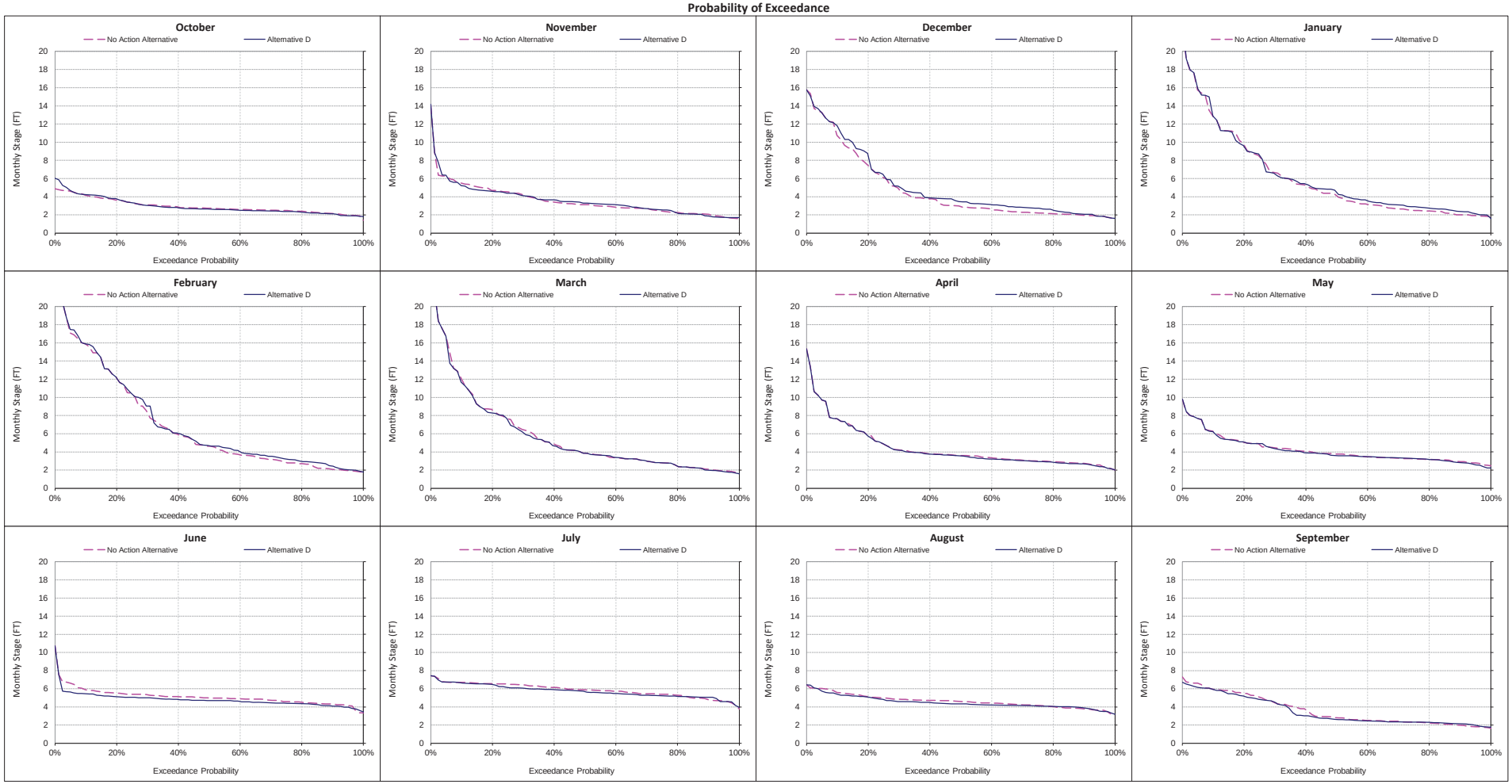

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	5	6	1	23.6%
1.2%	5	6	1	22.7%
2.5%	5	5	1	11.8%
3.7%	5	5	0	6.9%
4.9%	5	5	0	2.0%
6.2%	5	4	0	-1.1%
7.4%	4	4	0	0.0%
8.6%	4	4	0	-1.8%
9.9%	4	4	0	1.8%
11.1%	4	4	0	3.4%
12.3%	4	4	0	4.7%
13.6%	4	4	0	3.9%
14.8%	4	4	0	6.8%
16.0%	4	4	0	5.9%
17.3%	4	4	0	1.7%
18.5%	4	4	0	2.0%
19.8%	4	4	0	4.6%
21.0%	4	4	0	0.7%
22.2%	4	4	0	0.1%
23.5%	3	3	0	0.1%
24.7%	3	3	0	-0.8%
25.9%	3	3	0	1.7%
27.2%	3	3	0	-1.3%
28.4%	3	3	0	-0.2%
29.6%	3	3	0	-2.1%
30.9%	3	3	0	-2.5%
32.1%	3	3	0	-3.4%
33.3%	3	3	0	-3.1%
34.6%	3	3	0	-3.9%
35.8%	3	3	0	-4.0%
37.0%	3	3	0	-4.5%
38.3%	3	3	0	-4.3%
39.5%	3	3	0	-3.2%
40.7%	3	3	0	-1.3%
42.0%	3	3	0	-3.5%
43.2%	3	3	0	-3.2%
44.4%	3	3	0	-3.4%
45.7%	3	3	0	-3.4%
46.9%	3	3	0	-3.6%
48.1%	3	3	0	-3.5%
49.4%	3	3	0	-3.6%
50.6%	3	3	0	-3.6%
51.9%	3	3	0	-3.4%
53.1%	3	3	0	-2.9%
54.3%	3	3	0	-1.9%
55.6%	3	3	0	-2.2%
56.8%	3	3	0	-2.1%
58.0%	3	3	0	-3.2%
59.3%	3	3	0	-2.5%
60.5%	3	2	0	-3.8%
61.7%	3	2	0	-3.3%
63.0%	3	2	0	-3.8%
64.2%	3	2	0	-3.9%
65.4%	3	2	0	-3.4%
66.7%	3	2	0	-2.7%
67.9%	3	2	0	-2.6%
69.1%	3	2	0	-3.3%
70.4%	3	2	0	-3.3%
71.6%	3	2	0	-3.2%
72.8%	2	2	0	-4.2%
74.1%	2	2	0	-3.5%
75.3%	2	2	0	-3.5%
76.5%	2	2	0	-2.8%
77.8%	2	2	0	-2.9%
79.0%	2	2	0	-3.5%
80.2%	2	2	0	-4.7%
81.5%	2	2	0	-3.6%
82.7%	2	2	0	-5.3%
84.0%	2	2	0	-3.8%
85.2%	2	2	0	-2.8%
86.4%	2	2	0	-1.8%
87.7%	2	2	0	-1.9%
88.9%	2	2	0	-1.7%
90.1%	2	2	0	-1.2%
91.4%	2	2	0	-2.5%
92.6%	2	2	0	-6.0%
93.8%	2	2	0	-2.7%
95.1%	2	2	0	-2.0%
96.3%	2	2	0	-2.1%
97.5%	2	2	0	-1.9%
98.8%	2	2	0	-2.2%
100.0%	1	2	0	29.1%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	0.8%
1.2%	9	9	0	0.0%
2.5%	6	8	1	22.0%
3.7%	6	6	0	2.0%
4.9%	6	6	0	1.5%
6.2%	6	6	0	-4.2%
7.4%	6	6	0	-4.3%
8.6%	6	6	0	0.9%
9.9%	5	5	0	-5.2%
11.1%	5	5	0	-4.4%
12.3%	5	5	0	-7.9%
13.6%	5	5	0	-7.0%
14.8%	5	5	0	-6.5%
16.0%	5	5	0	-6.3%
17.3%	5	5	0	-5.3%
18.5%	5	5	0	-5.9%
19.8%	5	5	0	-2.1%
21.0%	5	5	0	-3.0%
22.2%	5	5	0	-1.7%
23.5%	5	5	0	-1.2%
24.7%	5	4	0	-3.8%
25.9%	5	4	0	-2.9%
27.2%	4	4	0	-0.2%
28.4%	4	4	0	-3.3%
29.6%	4	4	0	-2.2%
30.9%	4	4	0	0.0%
32.1%	4	4	0	2.1%
33.3%	4	4	0	1.8%
34.6%	4	4	0	-4.0%
35.8%	4	4	0	-0.6%
37.0%	4	4	0	4.2%
38.3%	3	4	0	5.4%
39.5%	3	4	0	6.3%
40.7%	3	4	0	7.6%
42.0%	3	3	0	4.7%
43.2%	3	3	0	5.1%
44.4%	3	3	0	6.9%
45.7%	3	3	0	6.9%
46.9%	3	3	0	7.4%
48.1%	3	3	0	8.8%
49.4%	3	3	0	5.8%
50.6%	3	3	0	5.4%
51.9%	3	3	0	4.8%
53.1%	3	3	0	7.6%
54.3%	3	3	0	7.0%
55.6%	3	3	0	7.3%
56.8%	3	3	0	7.7%
58.0%	3	3	0	7.7%
59.3%	3	3	0	8.8%
60.5%	3	3	0	10.0%
61.7%	3	3	0	10.5%
63.0%	3	3	0	8.4%
64.2%	3	3	0	6.6%
65.4%	3	3	0	3.2%
66.7%	3	3	0	3.4%
67.9%	3	3	0	1.0%
69.1%	3	3	0	-1.5%
70.4%	3	3	0	0.3%
71.6%	3	3	0	2.2%
72.8%	3	3	0	2.4%
74.1%	2	3	0	4.8%
75.3%	2	3	0	6.0%
76.5%	2	3	0	8.1%
77.8%	2	2	0	8.9%
79.0%	2	2	0	2.2%
80.2%	2	2	0	-4.9%
81.5%	2	2	0	-3.1%
82.7%	2	2	0	-2.6%
84.0%	2	2	0	-2.6%
85.2%	2	2	0	-3.1%
86.4%	2	2	0	-1.8%
87.7%	2	2	0	-1.8%
88.9%	2	2	0	-9.3%
90.1%	2	2	0	-9.9%
91.4%	2	2	0	-7.3%
92.6%	2	2	0	-6.7%
93.8%	2	2	0	-4.7%
95.1%	2	2	0	-1.3%
96.3%	2	2	0	1.1%
97.5%	2	2	0	3.6%
98.8%	2	2	0	5.4%
100.0%	2	2	0	7.7%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-1.7%
2.5%	14	14	0	1.8%
3.7%	13	14	0	1.7%
4.9%	13	13	0	-0.6%
6.2%	13	13	0	0.0%
7.4%	12	12	0	0.0%
8.6%	12	12	0	-0.3%
9.9%	11	12	1	10.0%
11.1%	10	11	1	6.6%
12.3%	10	10	1	6.7%
13.6%	9	10	1	10.0%
14.8%	9	10	1	7.5%
16.0%	9	9	0	5.6%
17.3%	8	9	1	13.0%
18.5%	8	9	1	14.8%
19.8%	8	9	1	16.7%
21.0%	7	7	0	-1.3%
22.2%	7	7	0	0.0%
23.5%	6	7	0	2.8%
24.7%	6	6	0	5.6%
25.9%	6	6	0	-1.0%
27.2%	5	6	1	12.4%
28.4%	5	5	0	1.0%
29.6%	5	5	0	3.8%
30.9%	4	5	0	10.6%
32.1%	4	5	0	5.2%
33.3%	4	5	0	10.4%
34.6%	4	4	1	14.7%
35.8%	4	4	1	14.7%
37.0%	4	4	1	14.2%
38.3%	4	4	0	3.4%
39.5%	4	4	0	2.8%
40.7%	4	4	0	2.7%
42.0%	4	4	0	4.0%
43.2%	3	4	1	17.4%
44.4%	3	4	1	23.7%
45.7%	3	4	1	23.6%
46.9%	3	4	1	23.6%
48.1%	3	4	1	18.3%
49.4%	3	3	0	16.8%
50.6%	3	3	1	21.1%
51.9%	3	3	1	20.6%
53.1%	3	3	0	17.2%
54.3%	3	3	0	16.5%
55.6%	3	3	0	16.6%
56.8%	3	3	0	16.2%
58.0%	3	3	0	16.5%
59.3%	3	3	0	16.8%
60.5%	3	3	1	22.1%
61.7%	3	3	1	22.3%
63.0%	2	3	1	22.6%
64.2%	2	3	1	24.7%
65.4%	2	3	1	21.4%
66.7%	2	3	1	23.4%
67.9%	2	3	1	21.9%
69.1%	2	3	1	23.9%
70.4%	2	3	1	22.9%
71.6%	2	3	1	22.1%
72.8%	2	3	1	23.9%
74.1%	2	3	1	23.6%
75.3%	2	3	1	24.2%
76.5%	2	3	0	21.1%
77.8%	2	3	0	22.2%
79.0%	2	3	0	22.1%
80.2%	2	2	0	17.5%
81.5%	2	2	0	14.4%
82.7%	2	2	0	12.4%
84.0%	2	2	0	11.2%
85.2%	2	2	0	10.3%
86.4%	2	2	0	4.5%
87.7%	2	2	0	3.1%
88.9%	2	2	0	6.3%
90.1%	2	2	0	5.5%
91.4%	2	2	0	6.8%
92.6%	2	2	0	7.4%
93.8%	2	2	0	0.0%
95.1%	2	2	0	-1.6%
96.3%	2	2	0	0.0%
97.5%	2	2	0	0.0%
98.8%	2	2	0	-0.1%
100.0%	2	2	0	1.7%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	16	16	0	1.1%
6.2%	15	15	0	-1.5%
7.4%	15	15	0	-0.1%
8.6%	14	15	1	10.7%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	11	11	0	-2.0%
13.6%	11	11	0	-0.2%
14.8%	11	11	0	-0.3%
16.0%	11	11	0	-0.9%
17.3%	11	10	-1	-7.3%
18.5%	10	10	0	-3.2%
19.8%	10	10	0	-2.4%
21.0%	9	9	0	-1.0%
22.2%	9	9	0	1.4%
23.5%	9	9	0	0.9%
24.7%	9	9	0	2.2%
25.9%	8	8	0	0.7%
27.2%	8	7	-1	-10.9%
28.4%	7	7	0	-1.1%
29.6%	7	7	0	-1.4%
30.9%	7	6	0	-4.6%
32.1%	6	6	0	-2.8%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	4.6%
37.0%	5	6	0	5.4%
38.3%	5	5	0	1.8%
39.5%	5	5	0	2.8%
40.7%	5	5	0	4.5%
42.0%	5	5	0	4.0%
43.2%	5	5	0	1.8%
44.4%	5	5	0	7.1%
45.7%	4	5	0	11.3%
46.9%	4	5	0	10.5%
48.1%	4	5	0	10.5%
49.4%	4	5	0	10.8%
50.6%	4	4	0	7.9%
51.9%	4	4	0	9.7%
53.1%	4	4	0	13.2%
54.3%	4	4	0	10.4%
55.6%	3	4	0	9.7%
56.8%	3	4	0	14.8%
58.0%	3	4	0	14.0%
59.3%	3	4	0	14.4%
60.5%	3	3	0	12.0%
61.7%	3	3	0	10.2%
63.0%	3	3	0	8.5%
64.2%	3	3	0	10.8%
65.4%	3	3	0	9.7%
66.7%	3	3	0	14.5%
67.9%	3	3	0	14.3%
69.1%	3	3	0	15.7%
70.4%	3	3	0	16.3%
71.6%	3	3	0	15.9%
72.8%	3	3	0	14.8%
74.1%	3	3	0	15.5%
75.3%	2	3	0	16.7%
76.5%	2	3	0	15.5%
77.8%	2	3	0	14.5%
79.0%	2	3	0	13.8%
80.2%	2	3	0	12.8%
81.5%	2	3	0	11.3%
82.7%	2	3	0	12.0%
84.0%	2	3	0	11.9%
85.2%	2	3	0	19.6%
86.4%	2	3	0	16.7%
87.7%	2	2	0	17.8%
88.9%	2	2	0	19.2%
90.1%	2	2	0	18.0%
91.4%	2	2	0	16.5%
92.6%	2	2	0	16.8%
93.8%	2	2	0	14.5%
95.1%	2	2	0	11.1%
96.3%	2	2	0	7.9%
97.5%	2	2	0	7.3%
98.8%	2	2	0	8.6%
100.0%	2	2	0	-10.2%

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	1.2%
1.2%	20	21	1	4.9%
2.5%	20	20	0	0.2%
3.7%	19	19	0	0.0%
4.9%	17	17	0	2.3%
6.2%	17	17	1	3.1%
7.4%	16	17	0	2.0%
8.6%	16	16	0	0.0%
9.9%	16	16	0	0.0%
11.1%	16	16	0	1.7%
12.3%	15	16	1	4.5%
13.6%	15	15	0	0.2%
14.8%	14	14	0	0.0%
16.0%	13	13	0	0.0%
17.3%	13	13	0	0.0%
18.5%	13	13	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	11	0	3.9%
24.7%	10	10	0	0.0%
25.9%	10	10	0	0.0%
27.2%	9	10	1	10.3%
28.4%	9	10	1	8.1%
29.6%	9	9	1	6.1%
30.9%	8	9	1	17.2%
32.1%	7	7	0	-3.5%
33.3%	7	7	0	-6.6%
34.6%	7	7	0	-3.1%
35.8%	7	7	0	-2.1%
37.0%	7	6	0	-0.8%
38.3%	6	6	0	0.0%
39.5%	6	6	0	1.5%
40.7%	6	6	0	3.7%
42.0%	6	6	0	1.6%
43.2%	6	6	0	1.5%
44.4%	5	5	0	0.0%
45.7%	5	5	0	6.5%
46.9%	5	5	0	1.3%
48.1%	5	5	0	0.0%
49.4%	5	5	0	2.0%
50.6%	5	5	0	0.1%
51.9%	5	5	0	2.8%
53.1%	4	5	0	9.4%
54.3%	4	5	0	8.2%
55.6%	4	4	1	13.1%
56.8%	4	4	1	14.9%
58.0%	4	4	0	9.8%
59.3%	4	4	0	11.1%
60.5%	4	4	0	7.6%
61.7%	4	4	0	6.0%
63.0%	4	4	0	5.9%
64.2%	4	4	0	5.5%
65.4%	3	4	0	8.9%
66.7%	3	4	0	10.6%
67.9%	3	4	0	11.2%
69.1%	3	4	0	10.8%
70.4%	3	4	0	11.1%
71.6%	3	3	0	9.2%
72.8%	3	3	0	10.6%
74.1%	3	3	0	11.3%
75.3%	3	3	0	14.2%
76.5%	3	3	0	12.6%
77.8%	3	3	0	12.9%
79.0%	3	3	0	11.9%
80.2%	3	3	0	8.9%
81.5%	3	3	0	10.3%
82.7%	3	3	0	9.5%
84.0%	2	3	0	21.1%
85.2%	2	3	1	27.0%
86.4%	2	3	1	26.0%
87.7%	2	3	1	25.3%
88.9%	2	2	0	15.6%
90.1%	2	2	0	17.7%
91.4%	2	2	0	9.5%
92.6%	2	2	0	6.5%
93.8%	2	2	0	3.9%
95.1%	2	2	0	3.1%
96.3%	2	2	0	5.1%
97.5%	2	2	0	6.6%
98.8%	2	2	0	3.9%
100.0%	2	2	0	0.5%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	22	22	0	0.0%
1.2%	22	22	0	0.0%
2.5%	18	18	0	0.0%
3.7%	18	18	0	0.0%
4.9%	17	17	0	0.0%
6.2%	15	14	-1	-7.7%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	12	12	0	-3.4%
11.1%	11	11	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	-1.6%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	8	0	-4.3%
19.8%	9	8	0	-4.4%
21.0%	8	8	0	-1.1%
22.2%	8	8	0	0.0%
23.5%	8	8	0	1.6%
24.7%	8	8	0	0.0%
25.9%	8	7	-1	-8.4%
27.2%	7	7	0	-1.3%
28.4%	7	6	0	-3.3%
29.6%	6	6	0	-3.8%
30.9%	6	6	0	-7.4%
32.1%	6	6	0	-7.3%
33.3%	6	5	0	-8.2%
34.6%	5	5	0	-1.9%
35.8%	5	5	0	-0.8%
37.0%	5	5	0	0.9%
38.3%	5	5	0	0.0%
39.5%	5	5	0	-4.6%
40.7%	5	5	0	-2.8%
42.0%	5	4	0	-4.8%
43.2%	4	4	0	0.0%
44.4%	4	4	0	0.1%
45.7%	4	4	0	0.0%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	-0.4%
50.6%	4	4	0	-0.1%
51.9%	4	4	0	-2.8%
53.1%	4	4	0	-1.0%
54.3%	4	4	0	-0.4%
55.6%	4	4	0	0.0%
56.8%	4	4	0	0.6%
58.0%	3	4	0	4.9%
59.3%	3	3	0	1.1%
60.5%	3	3	0	1.0%
61.7%	3	3	0	1.7%
63.0%	3	3	0	-0.1%
64.2%	3	3	0	0.0%
65.4%	3	3	0	0.0%
66.7%	3	3	0	-0.1%
67.9%	3	3	0	0.0%
69.1%	3	3	0	-0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	-0.1%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.1%
76.5%	3	3	0	-0.1%
77.8%	3	3	0	0.0%
79.0%	3	3	0	0.0%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.0%
85.2%	2	2	0	-0.2%
86.4%	2	2	0	0.0%
87.7%	2	2	0	0.0%
88.9%	2	2	0	-4.8%
90.1%	2	2	0	-5.6%
91.4%	2	2	0	-3.6%
92.6%	2	2	0	-2.3%
93.8%	2	2	0	-1.2%
95.1%	2	2	0	-4.2%
96.3%	2	2	0	-7.8%
97.5%	2	2	0	-4.9%
98.8%	2	2	0	-4.6%
100.0%	2	2	0	-5.3%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	10	10	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-2.9%
14.8%	7	7	0	0.0%
16.0%	6	6	0	0.0%
17.3%	6	6	0	0.0%
18.5%	6	6	0	0.0%
19.8%	6	6	0	-1.4%
21.0%	6	5	0	-5.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	4	0	-1.2%
28.4%	4	4	0	-0.5%
29.6%	4	4	0	-0.6%
30.9%	4	4	0	-0.6%
32.1%	4	4	0	-3.9%
33.3%	4	4	0	-2.1%
34.6%	4	4	0	0.0%
35.8%	4	4	0	0.1%
37.0%	4	4	0	-0.3%
38.3%	4	4	0	-2.1%
39.5%	4	4	0	-1.0%
40.7%	4	4	0	-1.4%
42.0%	4	4	0	-1.9%
43.2%	4	4	0	-1.3%
44.4%	4	4	0	-1.8%
45.7%	4	4	0	-1.4%
46.9%	4	4	0	-1.6%
48.1%	4	4	0	-1.0%
49.4%	4	4	0	-0.7%
50.6%	4	4	0	-1.3%
51.9%	4	3	0	-3.0%
53.1%	4	3	0	-4.7%
54.3%	4	3	0	-5.1%
55.6%	4	3	0	-6.9%
56.8%	3	3	0	-3.9%
58.0%	3	3	0	-4.3%
59.3%	3	3	0	-4.8%
60.5%	3	3	0	-3.4%
61.7%	3	3	0	-3.5%
63.0%	3	3	0	-3.0%
64.2%	3	3	0	-2.5%
65.4%	3	3	0	-1.6%
66.7%	3	3	0	-1.2%
67.9%	3	3	0	-2.0%
69.1%	3	3	0	-2.1%
70.4%	3	3	0	-1.1%
71.6%	3	3	0	-0.6%
72.8%	3	3	0	-0.7%
74.1%	3	3	0	-1.3%
75.3%	3	3	0	-1.9%
76.5%	3	3	0	-2.0%
77.8%	3	3	0	-2.3%
79.0%	3	3	0	-1.4%
80.2%	3	3	0	-2.4%
81.5%	3	3	0	-3.8%
82.7%	3	3	0	-3.6%
84.0%	3	3	0	-2.7%
85.2%	3	3	0	-3.5%
86.4%	3	3	0	-2.6%
87.7%	3	3	0	-2.7%
88.9%	3	3	0	-2.5%
90.1%	3	3	0	-2.2%
91.4%	3	3	0	-1.1%
92.6%	3	3	0	-1.2%
93.8%	3	2	0	-4.2%
95.1%	3	2	0	-6.9%
96.3%	2	2	0	1.5%
97.5%	2	2	0	-3.1%
98.8%	2	2	0	0.0%
100.0%	2	2	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	8	8	0	0.0%
2.5%	8	8	0	0.0%
3.7%	8	8	0	0.0%
4.9%	8	8	0	0.0%
6.2%	8	8	0	0.0%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	-1.5%
9.9%	6	6	0	-0.6%
11.1%	6	6	0	-3.0%
12.3%	6	5	0	-5.5%
13.6%	5	5	0	-1.8%
14.8%	5	5	0	0.0%
16.0%	5	5	0	-1.1%
17.3%	5	5	0	-0.8%
18.5%	5	5	0	-2.9%
19.8%	5	5	0	0.7%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	-0.1%
24.7%	5	5	0	0.0%
25.9%	5	5	0	8.0%
27.2%	5	5	0	0.9%
28.4%	5	5	0	0.0%
29.6%	4	4	0	-1.8%
30.9%	4	4	0	-2.8%
32.1%	4	4	0	-3.5%
33.3%	4	4	0	-5.5%
34.6%	4	4	0	-4.8%
35.8%	4	4	0	-4.7%
37.0%	4	4	0	-1.3%
38.3%	4	4	0	-1.1%
39.5%	4	4	0	-4.3%
40.7%	4	4	0	-4.1%
42.0%	4	4	0	-2.6%
43.2%	4	4	0	0.1%
44.4%	4	4	0	-0.9%
45.7%	4	4	0	-0.5%
46.9%	4	4	0	-1.5%
48.1%	4	4	0	-4.9%
49.4%	4	4	0	-4.4%
50.6%	4	4	0	-4.7%
51.9%	4	4	0	-4.9%
53.1%	4	4	0	-3.6%
54.3%	4	4	0	-2.2%
55.6%	4	4	0	-2.0%
56.8%	4	4	0	-1.2%
58.0%	4	3	0	-1.9%
59.3%	3	3	0	0.4%
60.5%	3	3	0	0.2%
61.7%	3	3	0	0.9%
63.0%	3	3	0	1.9%
64.2%	3	3	0	1.2%
65.4%	3	3	0	0.5%
66.7%	3	3	0	1.0%
67.9%	3	3	0	1.3%
69.1%	3	3	0	1.8%
70.4%	3	3	0	0.4%
71.6%	3	3	0	1.4%
72.8%	3	3	0	1.5%
74.1%	3	3	0	0.6%
75.3%	3	3	0	1.5%
76.5%	3	3	0	1.7%
77.8%	3	3	0	1.1%
79.0%	3	3	0	0.5%
80.2%	3	3	0	-1.0%
81.5%	3	3	0	-0.5%
82.7%	3	3	0	-1.2%
84.0%	3	3	0	-2.5%
85.2%	3	3	0	-3.3%
86.4%	3	3	0	-3.2%
87.7%	3	3	0	-1.5%
88.9%	3	3	0	-3.5%
90.1%	3	3	0	-3.7%
91.4%	3	3	0	-4.3%
92.6%	3	3	0	-2.2%
93.8%	3	3	0	-4.3%
95.1%	3	3	0	-7.8%
96.3%	3	3	0	-7.7%
97.5%	3	2	0	-8.0%
98.8%	3	2	0	-12.6%
100.0%	2	2	0	-10.1%

Table SW-53-9b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	8	8	0	0.0%
2.5%	7	6	-1	-15.0%
3.7%	7	6	-1	-15.7%
4.9%	7	6	-1	-14.7%
6.2%	6	6	-1	-14.5%
7.4%	6	5	-1	-10.0%
8.6%	6	5	-1	-9.5%
9.9%	6	5	0	-7.6%
11.1%	6	5	0	-6.4%
12.3%	6	5	0	-6.4%
13.6%	6	5	0	-7.6%
14.8%	6	5	0	-7.6%
16.0%	6	5	0	-7.0%
17.3%	6	5	0	-7.0%
18.5%	6	5	0	-7.0%
19.8%	6	5	0	-7.1%
21.0%	5	5	0	-7.1%
22.2%	5	5	0	-7.1%
23.5%	5	5	0	-6.2%
24.7%	5	5	0	-6.2%
25.9%	5	5	0	-6.2%
27.2%	5	5	0	-6.9%
28.4%	5	5	0	-6.9%
29.6%	5	5	0	-6.3%
30.9%	5	5	0	-5.3%
32.1%	5	5	0	-5.5%
33.3%	5	5	0	-5.5%
34.6%	5	5	0	-6.3%
35.8%	5	5	0	-5.4%
37.0%	5	5	0	-5.5%
38.3%	5	5	0	-6.1%
39.5%	5	5	0	-6.2%
40.7%	5	5	0	-6.5%
42.0%	5	5	0	-6.5%
43.2%	5	5	0	-6.5%
44.4%	5	5	0	-7.2%
45.7%	5	5	0	-6.6%
46.9%	5	5	0	-6.6%
48.1%	5	5	0	-5.7%
49.4%	5	5	0	-6.2%
50.6%	5	5	0	-5.4%
51.9%	5	5	0	-5.5%
53.1%	5	5	0	-5.5%
54.3%	5	5	0	-5.5%
55.6%	5	5	0	-5.4%
56.8%	5	5	0	-4.8%
58.0%	5	5	0	-5.8%
59.3%	5	5	0	-4.9%
60.5%	5	5	0	-6.5%
61.7%	5	5	0	-6.5%
63.0%	5	5	0	-6.6%
64.2%	5	5	0	-7.5%
65.4%	5	5	0	-7.5%
66.7%	5	5	0	-7.5%
67.9%	5	5	0	-6.8%
69.1%	5	4	0	-6.0%
70.4%	5	4	0	-6.0%
71.6%	5	4	0	-6.7%
72.8%	5	4	0	-6.1%
74.1%	5	4	0	-4.0%
75.3%	5	4	0	-4.6%
76.5%	5	4	0	-4.6%
77.8%	5	4	0	-3.9%
79.0%	5	4	0	-3.8%
80.2%	5	4	0	-2.8%
81.5%	4	4	0	-2.9%
82.7%	4	4	0	-2.8%
84.0%	4	4	0	-2.7%
85.2%	4	4	0	-2.9%
86.4%	4	4	0	-4.4%
87.7%	4	4	0	-4.1%
88.9%	4	4	0	-4.0%
90.1%	4	4	0	-5.2%
91.4%	4	4	0	-3.5%
92.6%	4	4	0	-4.1%
93.8%	4	4	0	-5.7%
95.1%	4	4	0	-4.1%
96.3%	4	4	0	-7.1%
97.5%	4	4	0	6.2%
98.8%	3	4	0	7.5%
100.0%	3	3	0	2.7%

July				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	-2.3%
3.7%	7	7	0	-0.7%
4.9%	7	7	0	0.1%
6.2%	7	7	0	0.5%
7.4%	7	7	0	0.6%
8.6%	7	7	0	0.0%
9.9%	7	7	0	-0.6%
11.1%	7	7	0	-1.3%
12.3%	7	7	0	-1.3%
13.6%	7	7	0	-1.3%
14.8%	7	7	0	-1.2%
16.0%	7	7	0	-0.7%
17.3%	7	7	0	-0.6%
18.5%	7	7	0	-0.6%
19.8%	7	6	0	-1.3%
21.0%	7	6	0	-2.0%
22.2%	7	6	0	-4.6%
23.5%	7	6	0	-4.6%
24.7%	7	6	0	-5.9%
25.9%	6	6	0	-5.9%
27.2%	6	6	0	-5.9%
28.4%	6	6	0	-5.4%
29.6%	6	6	0	-5.4%
30.9%	6	6	0	-5.9%
32.1%	6	6	0	-5.4%
33.3%	6	6	0	-5.4%
34.6%	6	6	0	-5.4%
35.8%	6	6	0	-4.5%
37.0%	6	6	0	-4.0%
38.3%	6	6	0	-3.4%
39.5%	6	6	0	-4.0%
40.7%	6	6	0	-4.1%
42.0%	6	6	0	-4.0%
43.2%	6	6	0	-3.7%
44.4%	6	6	0	-1.6%
45.7%	6	6	0	-2.2%
46.9%	6	6	0	-2.8%
48.1%	6	6	0	-2.1%
49.4%	6	6	0	-2.7%
50.6%	6	6	0	-3.9%
51.9%	6	6	0	-4.4%
53.1%	6	6	0	-4.4%
54.3%	6	6	0	-3.9%
55.6%	6	6	0	-4.0%
56.8%	6	6	0	-3.9%
58.0%	6	6	0	-4.0%
59.3%	6	5	0	-4.2%
60.5%	6	5	0	-4.3%
61.7%	6	5	0	-4.9%
63.0%	6	5	0	-3.4%
64.2%	6	5	0	-3.6%
65.4%	6	5	0	-3.5%
66.7%	6	5	0	-3.4%
67.9%	5	5	0	-2.7%
69.1%	5	5	0	-2.7%
70.4%	5	5	0	-2.7%
71.6%	5	5	0	-3.4%
72.8%	5	5	0	-3.4%
74.1%	5	5	0	-2.7%
75.3%	5	5	0	-3.5%
76.5%	5	5	0	-3.5%
77.8%	5	5	0	-3.5%
79.0%	5	5	0	-1.8%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-2.1%
82.7%	5	5	0	-0.2%
84.0%	5	5	0	1.8%
85.2%	5	5	0	2.8%
86.4%	5	5	0	2.7%
87.7%	5	5	0	2.2%
88.9%	5	5	0	2.9%
90.1%	5	5	0	6.2%
91.4%	5	5	0	6.9%
92.6%	5	5	0	4.8%
93.8%	5	5	0	-2.0%
95.1%	5	5	0	-0.8%
96.3%	5	5	0	0.1%
97.5%	4	5	0	2.3%
98.8%	4	4	0	-0.5%
100.0%	4	4	0	4.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	0.0%
1.2%	6	6	0	5.0%
2.5%	6	6	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	-4.8%
6.2%	6	6	0	-6.4%
7.4%	6	6	0	-6.8%
8.6%	6	6	0	-4.6%
9.9%	6	5	0	-3.5%
11.1%	6	5	0	-4.5%
12.3%	5	5	0	-3.7%
13.6%	5	5	0	-3.5%
14.8%	5	5	0	-3.4%
16.0%	5	5	0	-2.9%
17.3%	5	5	0	-2.7%
18.5%	5	5	0	-1.8%
19.8%	5	5	0	-0.9%
21.0%	5	5	0	-1.0%
22.2%	5	5	0	-2.0%
23.5%	5	5	0	-2.9%
24.7%	5	5	0	-2.7%
25.9%	5	5	0	-5.4%
27.2%	5	5	0	-4.6%
28.4%	5	5	0	-4.8%
29.6%	5	5	0	-5.6%
30.9%	5	5	0	-5.0%
32.1%	5	5	0	-5.0%
33.3%	5	5	0	-3.8%
34.6%	5	5	0	-4.6%
35.8%	5	5	0	-3.9%
37.0%	5	5	0	-4.8%
38.3%	5	5	0	-4.8%
39.5%	5	5	0	-4.8%
40.7%	5	4	0	-5.9%
42.0%	5	4	0	-6.7%
43.2%	5	4	0	-6.1%
44.4%	5	4	0	-6.8%
45.7%	5	4	0	-6.9%
46.9%	5	4	0	-7.8%
48.1%	5	4	0	-6.6%
49.4%	5	4	0	-5.9%
50.6%	5	4	0	-5.9%
51.9%	5	4	0	-5.9%
53.1%	5	4	0	-6.4%
54.3%	5	4	0	-5.5%
55.6%	5	4	0	-6.0%
56.8%	4	4	0	-4.9%
58.0%	4	4	0	-5.1%
59.3%	4	4	0	-5.2%
60.5%	4	4	0	-4.5%
61.7%	4	4	0	-4.6%
63.0%	4	4	0	-4.1%
64.2%	4	4	0	-4.3%
65.4%	4	4	0	-3.6%
66.7%	4	4	0	-3.0%
67.9%	4	4	0	-2.2%
69.1%	4	4	0	-2.0%
70.4%	4	4	0	-1.9%
71.6%	4	4	0	-1.8%
72.8%	4	4	0	-1.8%
74.1%	4	4	0	-1.7%
75.3%	4	4	0	-1.4%
76.5%	4	4	0	-1.0%
77.8%	4	4	0	0.4%
79.0%	4	4	0	0.1%
80.2%	4	4	0	0.7%
81.5%	4	4	0	2.6%
82.7%	4	4	0	2.7%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.7%
86.4%	4	4	0	3.1%
87.7%	4	4	0	3.2%
88.9%	4	4	0	3.2%
90.1%	4	4	0	2.7%
91.4%	4	4	0	1.6%
92.6%	4	4	0	2.1%
93.8%	4	4	0	0.2%
95.1%	4	4	0	-3.4%
96.3%	4	3	0	-3.6%
97.5%	3	3	0	0.5%
98.8%	3	3	0	4.1%
100.0%	3	3	0	5.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	-1	-8.3%
1.2%	7	7	0	-3.2%
2.5%	7	6	0	-4.0%
3.7%	7	6	0	-5.2%
4.9%	7	6	0	-7.2%
6.2%	6	6	0	-5.3%
7.4%	6	6	0	-0.4%
8.6%	6	6	0	-0.1%
9.9%	6	6	0	0.0%
11.1%	6	6	0	-1.3%
12.3%	6	6	0	-0.7%
13.6%	6	6	0	-3.1%
14.8%	6	5	0	-6.3%
16.0%	6	5	0	-5.8%
17.3%	6	5	0	-3.7%
18.5%	6	5	0	-6.2%
19.8%	5	5	0	-5.3%
21.0%	5	5	0	-7.8%
22.2%	5	5	0	-5.2%
23.5%	5	5	0	-5.5%
24.7%	5	5	0	-5.3%
25.9%	5	5	0	-3.8%
27.2%	5	5	0	-0.1%
28.4%	5	5	0	-0.8%
29.6%	5	5	0	1.1%
30.9%	4	4	0	-0.4%
32.1%	4	4	0	-1.7%
33.3%	4	4	0	-2.7%
34.6%	4	4	0	-6.3%
35.8%	4	3	-1	-17.3%
37.0%	4	3	-1	-21.7%
38.3%	4	3	-1	-18.8%
39.5%	4	3	-1	-20.1%
40.7%	3	3	0	-13.1%
42.0%	3	3	0	-7.0%
43.2%	3	3	0	-3.4%
44.4%	3	3	0	-6.3%
45.7%	3	3	0	-6.4%
46.9%	3	3	0	-6.2%
48.1%	3	3	0	-7.3%
49.4%	3	3	0	-6.8%
50.6%	3	3	0	-6.6%
51.9%	3	3	0	-7.0%
53.1%	3	3	0	-5.7%
54.3%	3	3	0	-1.4%
55.6%	3	3	0	-1.5%
56.8%	3	2	0	-3.9%
58.0%	3	2	0	-3.8%
59.3%	3	2	0	-2.4%
60.5%	3	2	0	-2.0%
61.7%	2	2	0	-2.0%
63.0%	2	2	0	-2.1%
64.2%	2	2	0	-2.3%
65.4%	2	2	0	-1.7%
66.7%	2	2	0	-3.1%
67.9%	2	2	0	-3.2%
69.1%	2	2	0	-2.8%
70.4%	2	2	0	-2.9%
71.6%	2	2	0	-0.3%
72.8%	2	2	0	0.0%
74.1%	2	2	0	0.1%
75.3%	2	2	0	0.7%
76.5%	2	2	0	1.0%
77.8%	2	2	0	0.9%
79.0%	2	2	0	2.1%
80.2%	2	2	0	3.7%
81.5%	2	2	0	3.0%
82.7%	2	2	0	4.3%
84.0%	2	2	0	4.4%
85.2%	2	2	0	5.6%
86.4%	2	2	0	4.0%
87.7%	2	2	0	4.8%
88.9%	2	2	0	7.3%
90.1%	2	2	0	9.6%
91.4%	2	2	0	9.4%
92.6%	2	2	0	12.8%
93.8%	2	2	0	11.7%
95.1%	2	2	0	9.2%
96.3%	2	2	0	4.7%
97.5%	2	2	0	3.3%
98.8%	2	2	0	3.2%
100.0%	2	2	0	6.6%

Table SW-54-9a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	29	30	31	32	33	32	30	30	30	30	30	30
Alternative D	29	30	31	32	32	31	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	-0.1%	-0.7%	-0.6%	-1.4%	-0.4%	-0.2%	-0.1%	0.3%	-0.2%	-0.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	30	31	31	35	35	34	32	31	30	30	30	31
Alternative D	30	31	31	35	35	34	32	31	30	30	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-0.4%	-0.1%	-0.6%	-0.5%	-0.8%	-0.2%	-0.1%	0.2%	0.4%	-0.4%	-0.2%
Above Normal (15%)												
No Action Alternative	29	31	31	32	34	32	30	30	30	31	30	30
Alternative D	29	31	31	32	34	32	30	30	30	31	30	30
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.0%	0.2%	-0.3%	-1.4%	-0.9%	-1.6%	-0.8%	-0.3%	-0.2%	0.6%	-0.2%	-0.3%
Below Normal (17%)												
No Action Alternative	29	30	31	31	31	31	30	30	30	30	30	29
Alternative D	29	30	31	30	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	0.4%	0.4%	0.0%	-0.9%	-0.6%	-2.1%	-0.6%	-0.2%	-0.4%	0.7%	-0.2%	0.1%
Dry (22%)												
No Action Alternative	29	30	31	30	31	30	30	30	30	31	30	29
Alternative D	29	30	31	30	30	30	29	30	30	31	30	29
Difference	0	0	0	0	0	-1	0	0	0	0	0	0
Percent Difference	-0.7%	0.2%	0.1%	-0.2%	-0.6%	-2.1%	-0.4%	0.2%	-0.3%	0.1%	-0.1%	-0.1%
Critical (15%)												
No Action Alternative	29	29	30	30	30	30	29	29	30	31	30	29
Alternative D	29	29	29	30	30	29	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.5%	0.0%	-0.5%	-0.3%	-0.7%	-0.9%	-0.4%	-0.6%	-0.2%	-0.1%	0.4%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

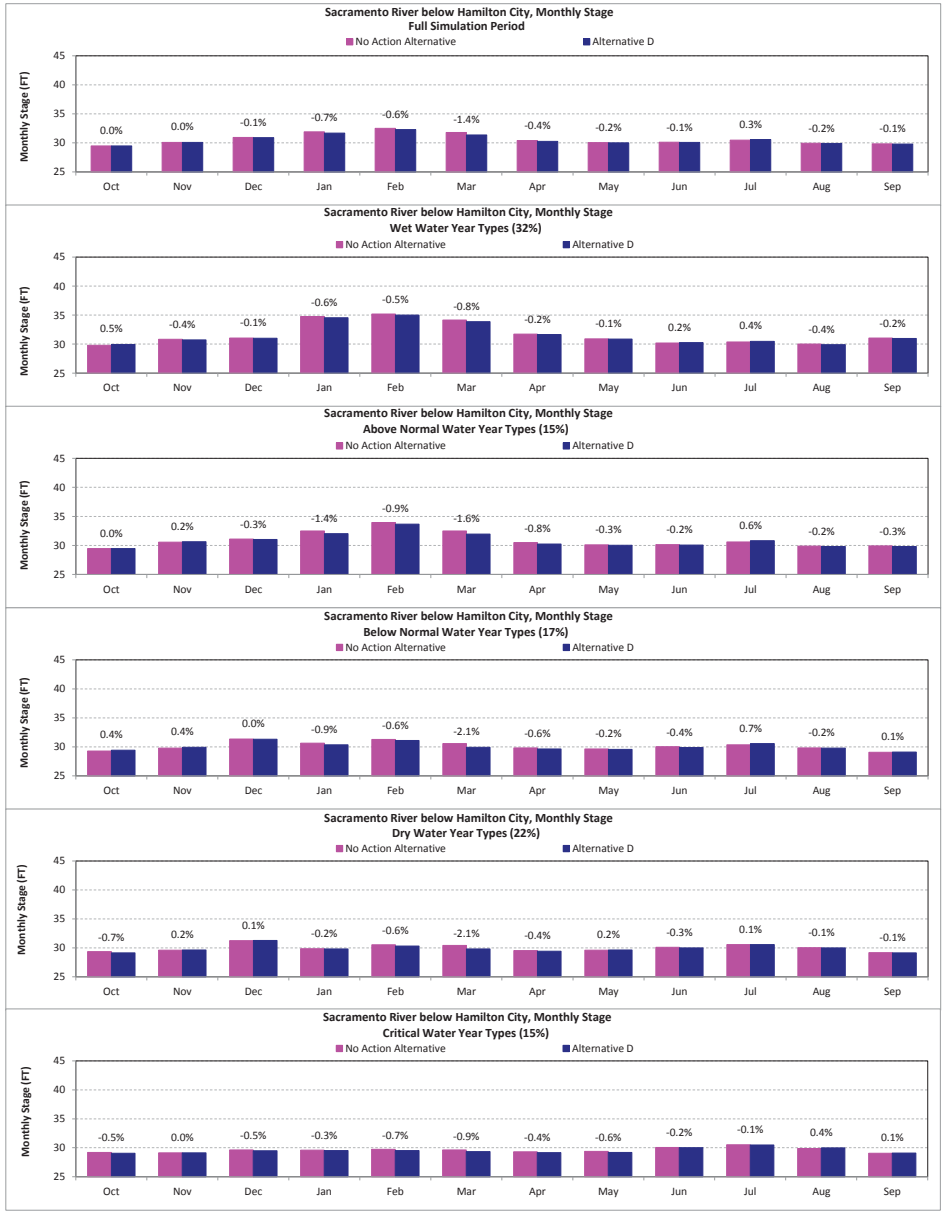

Figure SW-54-9b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

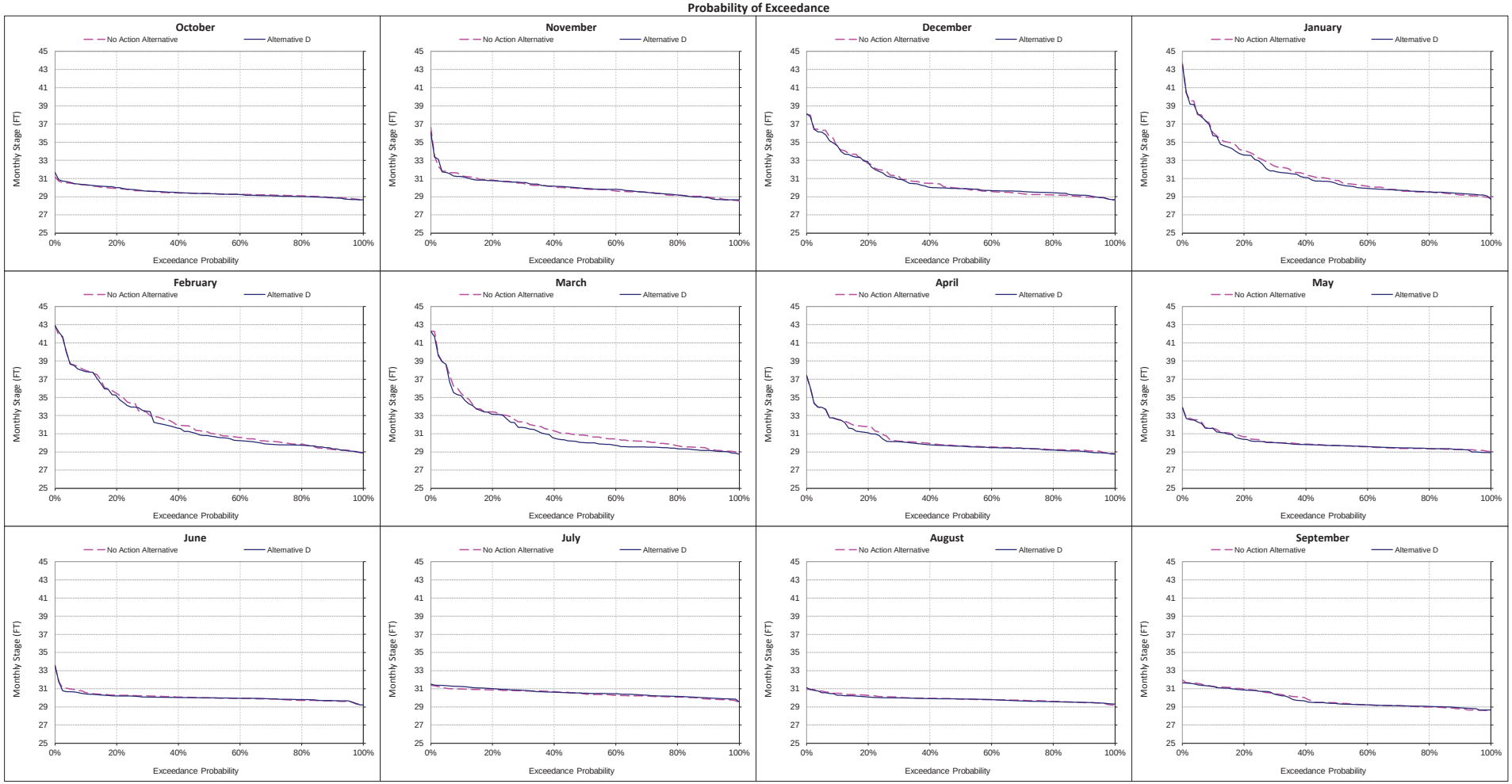

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	1.6%
1.2%	31	31	0	0.5%
2.5%	31	31	0	0.5%
3.7%	31	31	0	0.5%
4.9%	31	31	0	0.3%
6.2%	30	30	0	0.0%
7.4%	30	30	0	0.1%
8.6%	30	30	0	0.1%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.1%
12.3%	30	30	0	0.2%
13.6%	30	30	0	0.2%
14.8%	30	30	0	0.4%
16.0%	30	30	0	0.3%
17.3%	30	30	0	0.5%
18.5%	30	30	0	0.5%
19.8%	30	30	0	0.3%
21.0%	30	30	0	0.3%
22.2%	30	30	0	0.0%
23.5%	30	30	0	0.1%
24.7%	30	30	0	0.1%
25.9%	30	30	0	0.4%
27.2%	30	30	0	0.2%
28.4%	30	30	0	0.1%
29.6%	30	30	0	-0.1%
30.9%	30	30	0	0.0%
32.1%	30	30	0	0.0%
33.3%	30	30	0	0.0%
34.6%	29	30	0	0.3%
35.8%	29	30	0	0.3%
37.0%	29	29	0	0.1%
38.3%	29	29	0	0.2%
39.5%	29	29	0	0.1%
40.7%	29	29	0	0.0%
42.0%	29	29	0	0.0%
43.2%	29	29	0	0.0%
44.4%	29	29	0	0.0%
45.7%	29	29	0	0.0%
46.9%	29	29	0	0.0%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.0%
50.6%	29	29	0	0.0%
51.9%	29	29	0	0.0%
53.1%	29	29	0	0.0%
54.3%	29	29	0	0.0%
55.6%	29	29	0	-0.1%
56.8%	29	29	0	0.0%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	-0.1%
61.7%	29	29	0	-0.3%
63.0%	29	29	0	-0.2%
64.2%	29	29	0	-0.3%
65.4%	29	29	0	-0.3%
66.7%	29	29	0	-0.3%
67.9%	29	29	0	-0.3%
69.1%	29	29	0	-0.3%
70.4%	29	29	0	-0.3%
71.6%	29	29	0	-0.3%
72.8%	29	29	0	-0.3%
74.1%	29	29	0	-0.3%
75.3%	29	29	0	-0.3%
76.5%	29	29	0	-0.3%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.3%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	-0.2%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.4%
96.3%	29	29	0	-0.3%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	36	-1	-1.4%
1.2%	33	33	0	-0.2%
2.5%	32	33	1	2.3%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.4%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-1.1%
8.6%	32	31	0	-1.2%
9.9%	31	31	0	-0.4%
11.1%	31	31	0	-0.2%
12.3%	31	31	0	-0.6%
13.6%	31	31	0	-0.7%
14.8%	31	31	0	-0.7%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-0.2%
18.5%	31	31	0	-0.2%
19.8%	31	31	0	-0.2%
21.0%	31	31	0	0.0%
22.2%	31	31	0	0.0%
23.5%	31	31	0	0.0%
24.7%	31	31	0	-0.1%
25.9%	31	31	0	-0.2%
27.2%	31	31	0	0.1%
28.4%	31	31	0	0.3%
29.6%	31	31	0	0.2%
30.9%	30	31	0	0.6%
32.1%	30	30	0	0.4%
33.3%	30	30	0	0.5%
34.6%	30	30	0	0.5%
35.8%	30	30	0	0.1%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.4%
42.0%	30	30	0	0.4%
43.2%	30	30	0	0.4%
44.4%	30	30	0	0.4%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.3%
48.1%	30	30	0	0.1%
49.4%	30	30	0	0.2%
50.6%	30	30	0	0.2%
51.9%	30	30	0	0.2%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.5%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.7%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.4%
65.4%	30	30	0	0.3%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.0%
69.1%	30	29	0	-0.2%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.1%
76.5%	29	29	0	0.4%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.3%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.0%
82.7%	29	29	0	-0.1%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.3%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.4%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.5%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	-0.4%
2.5%	36	36	0	-0.1%
3.7%	36	36	0	-0.7%
4.9%	36	36	0	-0.6%
6.2%	36	36	0	-1.4%
7.4%	36	35	0	-1.2%
8.6%	35	35	-1	-1.5%
9.9%	35	35	0	0.3%
11.1%	34	34	0	-0.5%
12.3%	34	34	0	-1.1%
13.6%	34	34	0	-0.4%
14.8%	34	33	0	-0.7%
16.0%	34	33	0	-1.0%
17.3%	33	33	0	0.4%
18.5%	33	33	0	-0.4%
19.8%	33	33	0	0.6%
21.0%	33	32	0	-0.8%
22.2%	32	32	0	-0.5%
23.5%	32	32	0	-0.6%
24.7%	32	32	0	-1.0%
25.9%	32	31	-1	-1.6%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.6%
29.6%	31	31	0	-1.3%
30.9%	31	31	0	0.0%
32.1%	31	31	0	-0.6%
33.3%	31	30	0	-0.9%
34.6%	31	30	0	-0.9%
35.8%	31	30	0	-1.0%
37.0%	31	30	0	-1.0%
38.3%	31	30	0	-1.1%
39.5%	30	30	0	-1.4%
40.7%	30	30	0	-1.5%
42.0%	30	30	0	-1.4%
43.2%	30	30	0	-1.4%
44.4%	30	30	0	-0.5%
45.7%	30	30	0	-0.4%
46.9%	30	30	0	-0.4%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.3%
56.8%	30	30	0	0.2%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.5%
63.0%	30	30	0	0.5%
64.2%	30	30	0	0.5%
65.4%	29	30	0	0.4%
66.7%	29	30	0	0.7%
67.9%	29	30	0	0.7%
69.1%	29	30	0	0.8%
70.4%	29	30	0	0.9%
71.6%	29	30	0	0.9%
72.8%	29	30	0	0.9%
74.1%	29	30	0	0.9%
75.3%	29	29	0	0.9%
76.5%	29	29	0	0.8%
77.8%	29	29	0	0.8%
79.0%	29	29	0	0.9%
80.2%	29	29	0	0.9%
81.5%	29	29	0	0.8%
82.7%	29	29	0	0.8%
84.0%	29	29	0	0.8%
85.2%	29	29	0	0.3%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.6%
92.6%	29	29	0	0.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.0%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.5%
1.2%	40	40	0	0.0%
2.5%	40	39	0	-0.9%
3.7%	40	39	0	-0.9%
4.9%	38	38	0	0.2%
6.2%	38	38	0	-0.6%
7.4%	37	37	0	0.1%
8.6%	37	37	0	-0.6%
9.9%	36	36	0	-1.0%
11.1%	36	36	0	-0.2%
12.3%	35	35	-1	-1.6%
13.6%	35	35	0	-1.3%
14.8%	35	34	-1	-1.5%
16.0%	35	34	-1	-1.8%
17.3%	35	34	-1	-2.0%
18.5%	34	34	0	-1.4%
19.8%	34	34	0	-1.4%
21.0%	34	34	0	-1.2%
22.2%	34	34	0	-0.8%
23.5%	34	33	-1	-1.5%
24.7%	33	33	0	-0.9%
25.9%	33	33	0	-1.5%
27.2%	33	32	-1	-2.3%
28.4%	33	32	-1	-2.4%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-1.7%
32.1%	32	32	-1	-1.8%
33.3%	32	32	-1	-1.8%
34.6%	32	32	-1	-1.6%
35.8%	32	32	0	-0.5%
37.0%	32	31	0	-0.6%
38.3%	32	31	0	-1.3%
39.5%	32	31	0	-1.3%
40.7%	31	31	0	-0.9%
42.0%	31	31	0	-1.4%
43.2%	31	31	0	-1.3%
44.4%	31	31	0	-1.3%
45.7%	31	31	0	-1.2%
46.9%	31	31	0	-1.1%
48.1%	31	31	0	-0.9%
49.4%	31	31	0	-0.9%
50.6%	31	30	0	-1.3%
51.9%	31	30	0	-0.8%
53.1%	30	30	0	-0.8%
54.3%	30	30	0	-0.8%
55.6%	30	30	0	-0.9%
56.8%	30	30	0	-1.1%
58.0%	30	30	0	-0.9%
59.3%	30	30	0	-0.9%
60.5%	30	30	0	-0.7%
61.7%	30	30	0	-0.6%
63.0%	30	30	0	-0.7%
64.2%	30	30	0	-0.9%
65.4%	30	30	0	-0.6%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.1%
69.1%	30	30	0	-0.2%
70.4%	30	30	0	0.0%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.3%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.2%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.2%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.3%
87.7%	29	29	0	0.3%
88.9%	29	29	0	0.6%
90.1%	29	29	0	0.6%
91.4%	29	29	0	0.5%
92.6%	29	29	0	0.5%
93.8%	29	29	0	0.4%
95.1%	29	29	0	0.5%
96.3%	29	29	0	0.4%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.4%
100.0%	29	29	0	-0.8%

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	-0.1%
1.2%	42	42	0	0.9%
2.5%	42	42	0	0.0%
3.7%	40	40	0	0.0%
4.9%	39	39	0	-0.1%
6.2%	39	39	0	-0.2%
7.4%	38	38	0	-0.8%
8.6%	38	38	0	-0.5%
9.9%	38	38	0	-0.4%
11.1%	38	38	0	-0.1%
12.3%	38	38	0	0.4%
13.6%	38	37	0	-1.1%
14.8%	37	37	0	-1.2%
16.0%	36	36	0	-0.4%
17.3%	36	36	0	-0.1%
18.5%	36	35	0	-1.3%
19.8%	35	35	0	-0.7%
21.0%	35	35	0	-1.4%
22.2%	35	34	0	-1.4%
23.5%	34	34	0	-1.1%
24.7%	34	34	0	-1.2%
25.9%	34	34	0	-1.2%
27.2%	34	34	0	1.0%
28.4%	33	34	0	0.3%
29.6%	33	33	0	0.3%
30.9%	33	33	0	1.4%
32.1%	33	32	-1	-1.9%
33.3%	33	32	-1	-2.1%
34.6%	33	32	-1	-2.0%
35.8%	32	32	-1	-1.6%
37.0%	32	32	-1	-1.8%
38.3%	32	32	-1	-1.6%
39.5%	32	32	0	-1.0%
40.7%	32	32	0	-1.1%
42.0%	32	31	-1	-1.9%
43.2%	32	31	-1	-1.9%
44.4%	32	31	-1	-2.0%
45.7%	31	31	0	-1.1%
46.9%	31	31	0	-1.5%
48.1%	31	31	0	-1.4%
49.4%	31	31	0	-1.4%
50.6%	31	31	0	-1.0%
51.9%	31	31	0	-1.0%
53.1%	31	31	0	-1.2%
54.3%	31	31	0	-0.7%
55.6%	31	31	0	-0.7%
56.8%	31	30	0	-0.9%
58.0%	31	30	0	-1.3%
59.3%	31	30	0	-1.2%
60.5%	31	30	0	-1.2%
61.7%	30	30	0	-0.8%
63.0%	30	30	0	-1.0%
64.2%	30	30	0	-1.0%
65.4%	30	30	0	-1.0%
66.7%	30	30	0	-0.8%
67.9%	30	30	0	-1.1%
69.1%	30	30	0	-1.0%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.2%
72.8%	30	30	0	-1.0%
74.1%	30	30	0	-0.7%
75.3%	30	30	0	-0.7%
76.5%	30	30	0	-0.4%
77.8%	30	30	0	-0.4%
79.0%	30	30	0	-0.4%
80.2%	30	30	0	-0.4%
81.5%	30	30	0	-0.2%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.3%
85.2%	29	30	0	0.4%
86.4%	29	30	0	0.4%
87.7%	29	29	0	0.5%
88.9%	29	29	0	0.5%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	-0.2%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	-0.2%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	42	42	-1	-1.3%
2.5%	40	40	0	-0.4%
3.7%	39	39	0	0.0%
4.9%	39	39	0	0.0%
6.2%	37	37	-1	-2.0%
7.4%	36	36	-1	-1.9%
8.6%	36	35	-1	-2.0%
9.9%	35	35	0	-0.7%
11.1%	35	35	0	-1.1%
12.3%	35	34	0	-1.4%
13.6%	34	34	0	-0.3%
14.8%	34	34	0	0.0%
16.0%	34	34	0	-0.5%
17.3%	33	33	0	-0.1%
18.5%	33	33	0	-0.2%
19.8%	33	33	0	-0.8%
21.0%	33	33	0	-0.7%
22.2%	33	33	0	0.0%
23.5%	33	33	0	-0.2%
24.7%	33	33	0	-1.1%
25.9%	33	32	-1	-1.8%
27.2%	33	32	0	-1.0%
28.4%	32	32	-1	-1.8%
29.6%	32	32	-1	-1.8%
30.9%	32	32	-1	-1.9%
32.1%	32	32	0	-1.5%
33.3%	32	31	0	-1.4%
34.6%	32	31	-1	-1.7%
35.8%	32	31	-1	-2.2%
37.0%	32	31	-1	-1.8%
38.3%	31	31	-1	-1.7%
39.5%	31	31	-1	-2.6%
40.7%	31	30	-1	-2.6%
42.0%	31	30	-1	-2.3%
43.2%	31	30	-1	-2.4%
44.4%	31	30	-1	-2.7%
45.7%	31	30	-1	-2.4%
46.9%	31	30	-1	-2.4%
48.1%	31	30	-1	-2.7%
49.4%	31	30	-1	-2.7%
50.6%	31	30	-1	-2.6%
51.9%	31	30	-1	-2.2%
53.1%	31	30	-1	-2.1%
54.3%	31	30	-1	-2.4%
55.6%	31	30	-1	-2.2%
56.8%	30	30	-1	-2.1%
58.0%	30	30	-1	-2.0%
59.3%	30	30	-1	-2.3%
60.5%	30	30	-1	-2.4%
61.7%	30	30	-1	-2.4%
63.0%	30	30	-1	-2.4%
64.2%	30	30	-1	-2.2%
65.4%	30	30	-1	-2.2%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-2.0%
71.6%	30	30	-1	-1.7%
72.8%	30	30	-1	-1.7%
74.1%	30	29	0	-1.5%
75.3%	30	29	0	-1.6%
76.5%	30	29	0	-1.4%
77.8%	30	29	0	-1.5%
79.0%	30	29	0	-1.1%
80.2%	30	29	0	-1.1%
81.5%	30	29	0	-0.9%
82.7%	30	29	0	-0.8%
84.0%	30	29	0	-0.8%
85.2%	30	29	0	-1.0%
86.4%	30	29	0	-1.0%
87.7%	29	29	0	-1.1%
88.9%	29	29	0	-1.0%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.5%
92.6%	29	29	0	-0.3%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.7%
98.8%	29	29	0	-0.6%
100.0%	29	29	0	-0.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	0	0.1%
1.2%	36	36	0	0.0%
2.5%	34	34	0	0.0%
3.7%	34	34	0	0.0%
4.9%	34	34	0	0.0%
6.2%	34	34	0	0.0%
7.4%	33	33	0	0.0%
8.6%	33	33	0	0.0%
9.9%	33	33	0	0.0%
11.1%	32	32	0	0.0%
12.3%	32	32	0	-0.5%
13.6%	32	32	-1	-1.9%
14.8%	32	32	0	-1.4%
16.0%	32	31	-1	-1.8%
17.3%	32	31	-1	-2.0%
18.5%	32	31	-1	-2.0%
19.8%	32	31	-1	-2.1%
21.0%	32	31	-1	-2.4%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-1.2%
24.7%	31	30	-1	-1.6%
25.9%	31	30	-1	-1.9%
27.2%	30	30	0	-0.5%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.3%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.5%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.5%
38.3%	30	30	0	-0.5%
39.5%	30	30	0	-0.6%
40.7%	30	30	0	-0.3%
42.0%	30	30	0	-0.4%
43.2%	30	30	0	-0.3%
44.4%	30	30	0	-0.2%
45.7%	30	30	0	-0.2%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.1%
51.9%	30	30	0	-0.2%
53.1%	30	30	0	-0.2%
54.3%	30	30	0	-0.2%
55.6%	30	30	0	-0.3%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.1%
59.3%	30	29	0	-0.3%
60.5%	30	29	0	-0.3%
61.7%	30	29	0	-0.3%
63.0%	29	29	0	-0.2%
64.2%	29	29	0	-0.2%
65.4%	29	29	0	-0.2%
66.7%	29	29	0	-0.1%
67.9%	29	29	0	-0.1%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	-0.2%
77.8%	29	29	0	-0.2%
79.0%	29	29	0	-0.1%
80.2%	29	29	0	-0.1%
81.5%	29	29	0	-0.3%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.3%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.4%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.3%
92.6%	29	29	0	-0.5%
93.8%	29	29	0	-0.6%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	-0.2%
100.0%	29	29	0	-0.2%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.0%
1.2%	33	33	0	-0.2%
2.5%	33	33	0	-0.5%
3.7%	33	33	0	-0.1%
4.9%	33	32	0	-0.7%
6.2%	32	32	0	-0.6%
7.4%	32	32	0	-0.2%
8.6%	32	32	0	-0.2%
9.9%	32	32	0	-0.1%
11.1%	31	31	0	-0.8%
12.3%	31	31	0	-0.2%
13.6%	31	31	0	-0.2%
14.8%	31	31	0	-0.5%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-1.1%
18.5%	31	30	0	-1.1%
19.8%	31	30	0	-0.9%
21.0%	31	30	0	-1.0%
22.2%	30	30	0	-0.7%
23.5%	30	30	0	-0.7%
24.7%	30	30	0	-0.7%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.1%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	0.0%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.2%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.2%
38.3%	30	30	0	-0.2%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.2%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	0.0%
48.1%	30	30	0	0.0%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.0%
54.3%	30	30	0	0.0%
55.6%	30	30	0	0.1%
56.8%	30	30	0	0.1%
58.0%	30	30	0	0.1%
59.3%	30	30	0	0.1%
60.5%	30	30	0	0.1%
61.7%	30	30	0	0.1%
63.0%	29	30	0	0.1%
64.2%	29	30	0	0.1%
65.4%	29	29	0	0.2%
66.7%	29	29	0	0.2%
67.9%	29	29	0	0.2%
69.1%	29	29	0	0.2%
70.4%	29	29	0	0.3%
71.6%	29	29	0	0.2%
72.8%	29	29	0	0.2%
74.1%	29	29	0	0.2%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.1%
77.8%	29	29	0	0.1%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.1%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.2%
86.4%	29	29	0	0.2%
87.7%	29	29	0	0.1%
88.9%	29	29	0	0.0%
90.1%	29	29	0	0.0%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.2%
93.8%	29	29	0	-0.8%
95.1%	29	29	0	-0.7%
96.3%	29	29	0	-0.7%
97.5%	29	29	0	-0.8%
98.8%	29	29	0	-0.5%
100.0%	29	29	0	-0.4%

Table SW-54-9b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.0%
1.2%	32	32	0	0.0%
2.5%	31	31	0	-1.0%
3.7%	31	31	0	-1.3%
4.9%	31	31	0	-1.0%
6.2%	31	31	0	-0.8%
7.4%	31	31	0	-0.6%
8.6%	31	31	0	-0.8%
9.9%	31	30	0	-0.5%
11.1%	31	30	0	-0.4%
12.3%	30	30	0	-0.3%
13.6%	30	30	0	-0.1%
14.8%	30	30	0	-0.3%
16.0%	30	30	0	-0.4%
17.3%	30	30	0	-0.3%
18.5%	30	30	0	-0.3%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.3%
22.2%	30	30	0	-0.3%
23.5%	30	30	0	-0.2%
24.7%	30	30	0	-0.2%
25.9%	30	30	0	-0.2%
27.2%	30	30	0	-0.3%
28.4%	30	30	0	-0.4%
29.6%	30	30	0	-0.5%
30.9%	30	30	0	-0.5%
32.1%	30	30	0	-0.4%
33.3%	30	30	0	-0.4%
34.6%	30	30	0	-0.4%
35.8%	30	30	0	-0.3%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.1%
43.2%	30	30	0	0.0%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	0.0%
48.1%	30	30	0	0.0%
49.4%	30	30	0	0.0%
50.6%	30	30	0	0.1%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.1%
56.8%	30	30	0	0.1%
58.0%	30	30	0	0.1%
59.3%	30	30	0	0.0%
60.5%	30	30	0	0.0%
61.7%	30	30	0	0.0%
63.0%	30	30	0	0.0%
64.2%	30	30	0	0.1%
65.4%	30	30	0	0.2%
66.7%	30	30	0	0.1%
67.9%	30	30	0	0.1%
69.1%	30	30	0	0.0%
70.4%	30	30	0	0.1%
71.6%	30	30	0	0.1%
72.8%	30	30	0	0.0%
74.1%	30	30	0	0.1%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.3%
79.0%	30	30	0	0.3%
80.2%	30	30	0	0.3%
81.5%	30	30	0	0.3%
82.7%	30	30	0	0.2%
84.0%	30	30	0	0.2%
85.2%	30	30	0	0.1%
86.4%	30	30	0	0.1%
87.7%	30	30	0	0.1%
88.9%	30	30	0	0.1%
90.1%	30	30	0	0.1%
91.4%	30	30	0	0.2%
92.6%	30	30	0	0.2%
93.8%	30	30	0	0.2%
95.1%	30	30	0	0.2%
96.3%	30	30	0	0.1%
97.5%	29	29	0	0.1%
98.8%	29	29	0	-0.3%
100.0%	29	29	0	-0.1%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	0	0.5%
1.2%	31	31	0	0.1%
2.5%	31	31	0	0.4%
3.7%	31	31	0	0.7%
4.9%	31	31	0	0.9%
6.2%	31	31	0	1.0%
7.4%	31	31	0	0.9%
8.6%	31	31	0	1.0%
9.9%	31	31	0	1.0%
11.1%	31	31	0	0.8%
12.3%	31	31	0	0.8%
13.6%	31	31	0	0.6%
14.8%	31	31	0	0.6%
16.0%	31	31	0	0.6%
17.3%	31	31	0	0.5%
18.5%	31	31	0	0.5%
19.8%	31	31	0	0.5%
21.0%	31	31	0	0.4%
22.2%	31	31	0	0.3%
23.5%	31	31	0	0.3%
24.7%	31	31	0	0.3%
25.9%	31	31	0	0.2%
27.2%	31	31	0	0.3%
28.4%	31	31	0	0.2%
29.6%	31	31	0	0.2%
30.9%	31	31	0	0.1%
32.1%	31	31	0	0.1%
33.3%	31	31	0	-0.1%
34.6%	31	31	0	-0.2%
35.8%	31	31	0	-0.2%
37.0%	31	31	0	-0.3%
38.3%	31	31	0	-0.2%
39.5%	31	31	0	-0.2%
40.7%	31	31	0	-0.2%
42.0%	31	31	0	-0.1%
43.2%	31	31	0	-0.1%
44.4%	31	31	0	-0.2%
45.7%	31	31	0	0.0%
46.9%	31	31	0	-0.1%
48.1%	31	31	0	-0.1%
49.4%	30	31	0	0.2%
50.6%	30	31	0	0.4%
51.9%	30	30	0	0.4%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.4%
58.0%	30	30	0	0.4%
59.3%	30	30	0	0.6%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.4%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.5%
65.4%	30	30	0	0.5%
66.7%	30	30	0	0.4%
67.9%	30	30	0	0.3%
69.1%	30	30	0	0.3%
70.4%	30	30	0	0.2%
71.6%	30	30	0	0.3%
72.8%	30	30	0	0.3%
74.1%	30	30	0	0.2%
75.3%	30	30	0	0.2%
76.5%	30	30	0	0.2%
77.8%	30	30	0	0.2%
79.0%	30	30	0	0.3%
80.2%	30	30	0	0.3%
81.5%	30	30	0	0.2%
82.7%	30	30	0	0.1%
84.0%	30	30	0	0.3%
85.2%	30	30	0	0.3%
86.4%	30	30	0	0.1%
87.7%	30	30	0	0.4%
88.9%	30	30	0	0.4%
90.1%	30	30	0	0.5%
91.4%	30	30	0	0.4%
92.6%	30	30	0	0.3%
93.8%	30	30	0	0.3%
95.1%	30	30	0	0.3%
96.3%	30	30	0	0.3%
97.5%	30	30	0	0.4%
98.8%	30	30	0	0.5%
100.0%	29	30	0	0.3%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.6%
1.2%	31	31	0	0.0%
2.5%	31	31	0	-0.3%
3.7%	31	31	0	0.0%
4.9%	31	31	0	-0.6%
6.2%	31	31	0	-0.3%
7.4%	31	30	0	-0.5%
8.6%	31	30	0	-0.2%
9.9%	30	30	0	-0.7%
11.1%	30	30	0	-0.7%
12.3%	30	30	0	-0.5%
13.6%	30	30	0	-0.4%
14.8%	30	30	0	-0.4%
16.0%	30	30	0	-0.5%
17.3%	30	30	0	-0.5%
18.5%	30	30	0	-0.5%
19.8%	30	30	0	-0.6%
21.0%	30	30	0	-0.7%
22.2%	30	30	0	-0.7%
23.5%	30	30	0	-0.4%
24.7%	30	30	0	-0.4%
25.9%	30	30	0	-0.3%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.4%
29.6%	30	30	0	-0.3%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.1%
34.6%	30	30	0	-0.1%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	-0.1%
38.3%	30	30	0	-0.1%
39.5%	30	30	0	-0.1%
40.7%	30	30	0	-0.1%
42.0%	30	30	0	-0.1%
43.2%	30	30	0	-0.1%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	-0.1%
48.1%	30	30	0	0.0%
49.4%	30	30	0	0.0%
50.6%	30	30	0	0.0%
51.9%	30	30	0	0.0%
53.1%	30	30	0	0.1%
54.3%	30	30	0	0.1%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.0%
58.0%	30	30	0	0.0%
59.3%	30	30	0	0.0%
60.5%	30	30	0	0.0%
61.7%	30	30	0	-0.1%
63.0%	30	30	0	-0.1%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	-0.1%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	-0.2%
69.1%	30	30	0	-0.3%
70.4%	30	30	0	-0.2%
71.6%	30	30	0	-0.2%
72.8%	30	30	0	-0.2%
74.1%	30	30	0	-0.3%
75.3%	30	30	0	-0.2%
76.5%	30	30	0	-0.2%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	-0.1%
80.2%	30	30	0	-0.1%
81.5%	30	30	0	-0.1%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	-0.1%
85.2%	30	30	0	-0.1%
86.4%	30	30	0	-0.1%
87.7%	30	30	0	0.0%
88.9%	29	30	0	0.0%
90.1%	29	30	0	0.1%
91.4%	29	30	0	0.1%
92.6%	29	29	0	0.1%
93.8%	29	29	0	0.1%
95.1%	29	29	0	0.1%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.3%
100.0%	29	29	0	0.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-1.0%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.1%
3.7%	32	32	0	-0.3%
4.9%	32	31	0	-0.5%
6.2%	32	31	0	-0.4%
7.4%	31	31	0	-0.1%
8.6%	31	31	0	-0.1%
9.9%	31	31	0	0.0%
11.1%	31	31	0	-0.2%
12.3%	31	31	0	-0.3%
13.6%	31	31	0	-0.4%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.4%
17.3%	31	31	0	-0.3%
18.5%	31	31	0	-0.4%
19.8%	31	31	0	-0.4%
21.0%	31	31	0	-0.4%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	-0.1%
25.9%	31	31	0	0.1%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.3%
29.6%	30	30	0	0.0%
30.9%	30	30	0	-0.3%
32.1%	30	30	0	-0.4%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.6%
35.8%	30	30	0	-1.1%
37.0%	30	30	0	-1.3%
38.3%	30	30	0	-1.3%
39.5%	30	30	0	-1.1%
40.7%	30	30	0	-1.0%
42.0%	30	30	0	-0.5%
43.2%	30	29	0	-0.1%
44.4%	29	29	0	-0.1%
45.7%	29	29	0	-0.1%
46.9%	29	29	0	-0.3%
48.1%	29	29	0	-0.3%
49.4%	29	29	0	-0.2%
50.6%	29	29	0	-0.1%
51.9%	29	29	0	-0.2%
53.1%	29	29	0	-0.3%
54.3%	29	29	0	-0.1%
55.6%	29	29	0	0.0%
56.8%	29	29	0	-0.1%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.0%
61.7%	29	29	0	0.0%
63.0%	29	29	0	0.0%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	0.0%
67.9%	29	29	0	0.0%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.1%
75.3%	29	29	0	0.1%
76.5%	29	29	0	0.2%
77.8%	29	29	0	0.3%
79.0%	29	29	0	0.2%
80.2%	29	29	0	0.2%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.2%
84.0%	29	29	0	0.3%
85.2%	29	29	0	0.3%
86.4%	29	29	0	0.4%
87.7%	29	29	0	0.4%
88.9%	29	29	0	0.4%
90.1%	29	29	0	0.4%
91.4%	29	29	0	0.3%
92.6%	29	29	0	0.6%
93.8%	29	29	0	0.6%
95.1%	29	29	0	0.6%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.1%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.2%

Table SW-56-9a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	29	32	34	37	38	37	32	30	29	30	29	31
Alternative D	30	32	34	36	37	36	31	30	29	31	29	32
Difference	1	1	0	-1	-1	-1	0	0	1	1	1	1
Percent Difference[3]	2.8%	2.3%	-0.4%	-2.0%	-1.8%	-3.8%	-0.7%	-0.3%	2.2%	4.8%	2.2%	2.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	30	34	35	42	42	41	36	33	30	30	29	35
Alternative D	32	35	34	41	42	40	36	33	30	31	29	36
Difference	1	1	0	0	0	-1	0	0	1	1	0	1
Percent Difference	4.8%	1.7%	-0.4%	-1.1%	-0.9%	-1.4%	-0.4%	-0.2%	2.3%	4.0%	-0.1%	2.5%
Above Normal (15%)												
No Action Alternative	29	32	35	39	42	40	33	30	29	30	29	31
Alternative D	30	34	35	38	41	39	33	30	29	32	29	32
Difference	1	2	0	-1	-1	-1	-1	0	0	2	1	1
Percent Difference	3.4%	5.0%	-0.8%	-2.0%	-2.4%	-3.6%	-1.7%	-1.2%	0.0%	6.4%	2.2%	2.3%
Below Normal (17%)												
No Action Alternative	29	31	36	36	37	35	30	28	28	29	28	28
Alternative D	30	32	36	34	37	33	30	28	29	31	29	29
Difference	1	1	0	-2	-1	-3	0	0	0	2	1	1
Percent Difference	3.3%	2.2%	0.3%	-4.8%	-1.9%	-7.2%	-1.5%	-0.7%	0.9%	6.6%	2.7%	3.6%
Dry (22%)												
No Action Alternative	29	30	34	32	35	35	28	27	28	30	29	28
Alternative D	29	31	35	32	34	32	28	28	29	32	30	29
Difference	0	1	0	0	-1	-2	0	0	1	2	1	1
Percent Difference	0.5%	2.5%	0.1%	-1.3%	-2.4%	-6.0%	-0.9%	0.7%	3.2%	5.2%	4.2%	3.5%
Critical (15%)												
No Action Alternative	28	28	31	31	32	31	27	27	28	30	29	28
Alternative D	28	28	30	31	31	31	27	26	29	31	30	28
Difference	0	0	-1	-1	-1	-1	0	0	1	1	1	1
Percent Difference	0.2%	0.8%	-2.0%	-1.7%	-2.8%	-2.3%	0.9%	-0.3%	4.0%	2.0%	3.3%	2.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

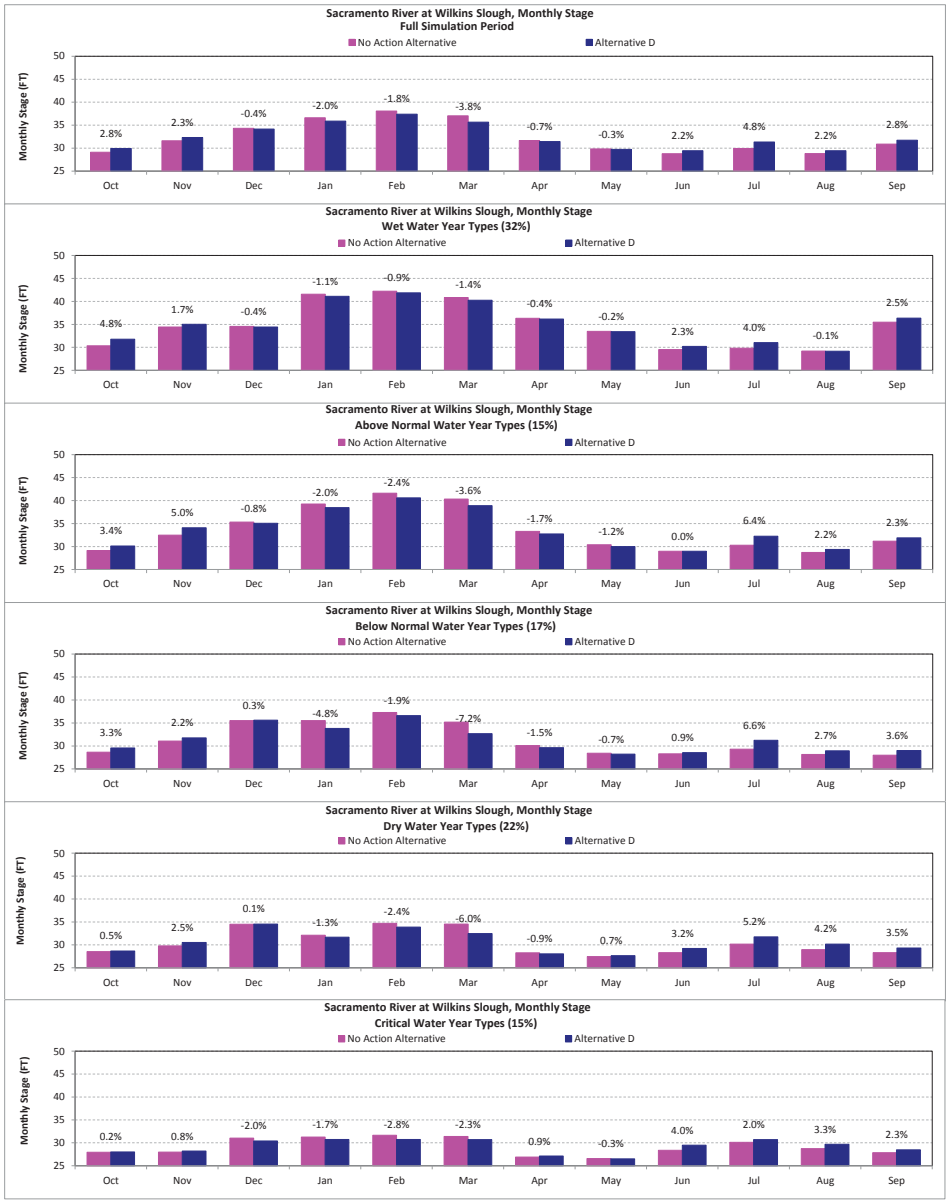

Figure SW-56-9b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

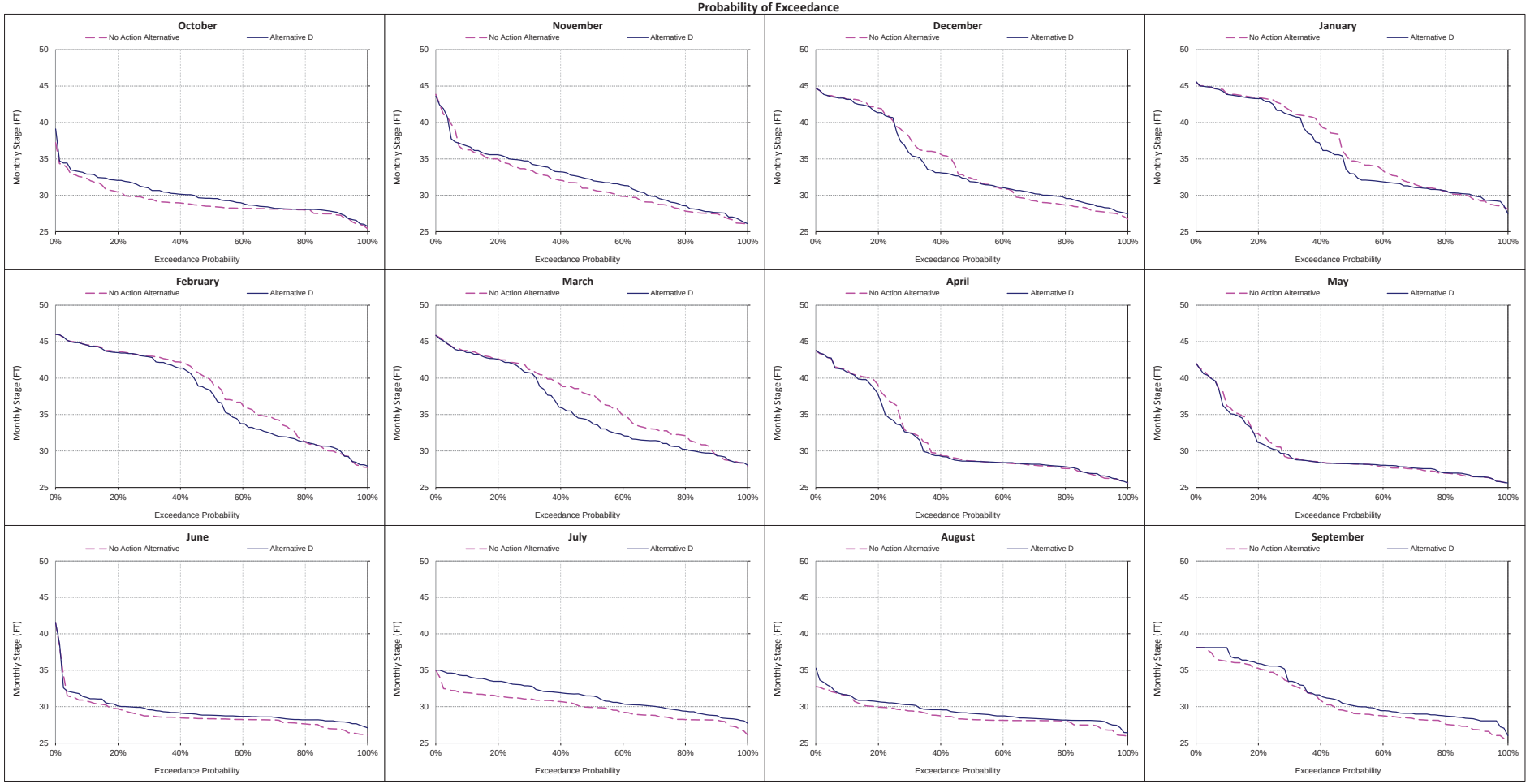

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	39	2	5.0%
1.2%	34	35	0	1.1%
2.5%	34	34	0	0.6%
3.7%	34	34	1	2.0%
4.9%	33	33	1	1.8%
6.2%	33	33	1	1.7%
7.4%	33	33	1	2.1%
8.6%	32	33	1	2.1%
9.9%	32	33	1	1.8%
11.1%	32	33	1	2.8%
12.3%	32	33	1	3.2%
13.6%	32	32	1	2.1%
14.8%	31	32	1	3.2%
16.0%	31	32	2	5.1%
17.3%	31	32	1	4.7%
18.5%	31	32	2	5.0%
19.8%	30	32	2	5.2%
21.0%	30	32	2	5.2%
22.2%	30	32	2	6.7%
23.5%	30	32	2	6.6%
24.7%	30	32	2	6.3%
25.9%	30	32	2	5.7%
27.2%	30	31	1	4.8%
28.4%	30	31	1	5.1%
29.6%	29	31	2	5.3%
30.9%	29	31	1	4.1%
32.1%	29	31	1	4.9%
33.3%	29	31	2	5.3%
34.6%	29	30	1	4.8%
35.8%	29	30	1	4.6%
37.0%	29	30	1	4.4%
38.3%	29	30	1	4.3%
39.5%	29	30	1	4.1%
40.7%	29	30	1	4.2%
42.0%	29	30	1	4.3%
43.2%	29	30	1	4.5%
44.4%	29	30	1	4.6%
45.7%	29	30	1	3.5%
46.9%	29	30	1	3.6%
48.1%	28	30	1	3.9%
49.4%	28	30	1	3.8%
50.6%	28	30	1	4.0%
51.9%	28	30	1	4.1%
53.1%	28	29	1	3.5%
54.3%	28	29	1	3.5%
55.6%	28	29	1	3.6%
56.8%	28	29	1	3.2%
58.0%	28	29	1	2.8%
59.3%	28	29	1	2.6%
60.5%	28	29	1	2.1%
61.7%	28	29	0	1.7%
63.0%	28	29	0	1.7%
64.2%	28	29	0	1.4%
65.4%	28	28	0	1.1%
66.7%	28	28	0	1.0%
67.9%	28	28	0	1.0%
69.1%	28	28	0	0.7%
70.4%	28	28	0	0.3%
71.6%	28	28	0	0.3%
72.8%	28	28	0	0.2%
74.1%	28	28	0	0.2%
75.3%	28	28	0	0.1%
76.5%	28	28	0	0.1%
77.8%	28	28	0	0.2%
79.0%	28	28	0	0.2%
80.2%	28	28	0	0.3%
81.5%	28	28	0	0.3%
82.7%	28	28	1	1.9%
84.0%	27	28	1	2.0%
85.2%	27	28	1	1.8%
86.4%	27	28	0	1.6%
87.7%	27	28	0	1.5%
88.9%	27	28	0	1.1%
90.1%	27	28	0	1.3%
91.4%	27	27	0	0.8%
92.6%	27	27	0	1.4%
93.8%	27	27	0	0.0%
95.1%	26	27	0	1.2%
96.3%	26	27	0	1.8%
97.5%	26	26	0	0.3%
98.8%	26	26	0	0.9%
100.0%	25	26	0	1.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.6%
1.2%	42	42	0	-0.2%
2.5%	41	42	1	1.9%
3.7%	41	41	0	0.0%
4.9%	40	38	-2	-5.1%
6.2%	39	37	-2	-4.3%
7.4%	37	37	0	1.0%
8.6%	36	37	1	1.8%
9.9%	36	37	1	1.5%
11.1%	36	37	0	1.0%
12.3%	36	36	0	0.8%
13.6%	36	36	0	1.0%
14.8%	36	36	0	0.8%
16.0%	35	36	0	1.3%
17.3%	35	36	1	1.6%
18.5%	35	36	1	1.6%
19.8%	35	36	1	1.6%
21.0%	35	35	1	2.5%
22.2%	34	35	1	2.5%
23.5%	34	35	1	2.0%
24.7%	34	35	1	2.9%
25.9%	34	35	1	3.1%
27.2%	34	35	1	3.5%
28.4%	34	35	1	3.2%
29.6%	33	35	1	3.8%
30.9%	33	34	1	2.6%
32.1%	33	34	1	3.4%
33.3%	33	34	1	3.7%
34.6%	33	34	1	3.6%
35.8%	33	34	1	3.6%
37.0%	32	34	1	3.9%
38.3%	32	33	1	3.2%
39.5%	32	33	1	3.6%
40.7%	32	33	1	3.6%
42.0%	32	33	1	4.2%
43.2%	32	33	1	3.3%
44.4%	32	33	1	3.1%
45.7%	32	33	1	2.8%
46.9%	31	32	1	4.8%
48.1%	31	32	1	4.3%
49.4%	31	32	1	4.3%
50.6%	31	32	1	4.1%
51.9%	31	32	1	4.3%
53.1%	31	32	1	4.2%
54.3%	30	32	1	4.1%
55.6%	30	32	1	4.4%
56.8%	30	32	1	4.5%
58.0%	30	32	1	4.8%
59.3%	30	31	2	5.2%
60.5%	30	31	1	4.9%
61.7%	30	31	2	5.1%
63.0%	30	31	1	3.9%
64.2%	30	31	1	3.2%
65.4%	29	30	1	3.8%
66.7%	29	30	1	4.3%
67.9%	29	30	1	3.2%
69.1%	29	30	1	2.8%
70.4%	29	30	1	3.2%
71.6%	29	30	1	2.8%
72.8%	29	29	1	2.3%
74.1%	29	29	1	2.3%
75.3%	29	29	1	1.9%
76.5%	28	29	1	2.5%
77.8%	28	29	1	2.4%
79.0%	28	29	1	2.3%
80.2%	28	29	1	2.7%
81.5%	28	28	0	1.4%
82.7%	28	28	0	1.7%
84.0%	28	28	0	1.7%
85.2%	28	28	0	1.3%
86.4%	28	28	0	0.9%
87.7%	28	28	0	1.0%
88.9%	27	28	0	0.7%
90.1%	27	28	0	0.6%
91.4%	27	28	0	1.2%
92.6%	27	28	1	2.1%
93.8%	27	27	0	0.9%
95.1%	27	27	0	1.4%
96.3%	26	27	1	2.7%
97.5%	26	27	0	1.7%
98.8%	26	26	0	0.8%
100.0%	26	26	0	0.1%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	44	0	0.0%
2.5%	44	44	0	0.0%
3.7%	44	44	0	0.0%
4.9%	44	44	0	-0.4%
6.2%	44	43	0	-0.2%
7.4%	44	43	0	-0.4%
8.6%	43	43	0	-0.2%
9.9%	43	43	0	0.0%
11.1%	43	43	0	0.0%
12.3%	43	43	-1	-1.2%
13.6%	43	42	-1	-1.4%
14.8%	43	42	0	-1.0%
16.0%	43	42	0	-1.0%
17.3%	42	42	0	0.0%
18.5%	42	42	-1	-1.2%
19.8%	42	41	-1	-1.5%
21.0%	42	41	-1	-1.2%
22.2%	41	41	0	-0.4%
23.5%	41	41	0	-0.2%
24.7%	40	41	0	1.1%
25.9%	39	39	-1	-2.0%
27.2%	39	37	-2	-4.3%
28.4%	39	37	-2	-4.4%
29.6%	38	36	-2	-5.9%
30.9%	37	35	-2	-5.2%
32.1%	37	35	-1	-3.8%
33.3%	36	35	-1	-3.1%
34.6%	36	34	-2	-4.7%
35.8%	36	34	-2	-6.9%
37.0%	36	33	-3	-7.2%
38.3%	36	33	-3	-7.9%
39.5%	36	33	-3	-7.4%
40.7%	35	33	-2	-6.8%
42.0%	35	33	-2	-6.7%
43.2%	35	33	-2	-6.4%
44.4%	34	33	-2	-4.6%
45.7%	33	33	0	-0.7%
46.9%	33	32	0	-1.4%
48.1%	32	32	0	-0.5%
49.4%	32	32	-1	-1.6%
50.6%	32	32	0	-1.1%
51.9%	32	32	0	-1.3%
53.1%	32	32	0	-0.3%
54.3%	32	31	0	-0.2%
55.6%	31	31	0	-0.3%
56.8%	31	31	0	0.6%
58.0%	31	31	0	0.2%
59.3%	31	31	0	0.6%
60.5%	31	31	0	0.4%
61.7%	31	31	0	0.2%
63.0%	31	31	0	0.8%
64.2%	30	31	1	3.1%
65.4%	30	31	1	3.4%
66.7%	30	31	1	3.2%
67.9%	29	30	1	3.5%
69.1%	29	30	1	3.6%
70.4%	29	30	1	3.3%
71.6%	29	30	1	3.7%
72.8%	29	30	1	3.5%
74.1%	29	30	1	3.5%
75.3%	29	30	1	3.7%
76.5%	29	30	1	3.4%
77.8%	29	30	1	3.7%
79.0%	29	30	1	3.8%
80.2%	29	30	1	3.1%
81.5%	29	30	1	3.1%
82.7%	28	29	1	3.3%
84.0%	28	29	1	3.0%
85.2%	28	29	1	2.5%
86.4%	28	29	1	2.2%
87.7%	28	29	1	2.8%
88.9%	28	29	1	3.2%
90.1%	28	28	1	2.4%
91.4%	28	28	1	2.4%
92.6%	28	28	1	2.2%
93.8%	28	28	1	2.4%
95.1%	28	28	1	2.0%
96.3%	27	28	0	1.1%
97.5%	27	28	0	1.5%
98.8%	27	28	1	1.9%
100.0%	27	27	1	2.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.2%
1.2%	45	45	0	0.0%
2.5%	45	45	0	-0.2%
3.7%	45	45	0	-0.2%
4.9%	45	45	0	0.2%
6.2%	45	45	0	0.0%
7.4%	45	45	0	-0.2%
8.6%	45	44	0	-0.6%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	44	0	-0.4%
13.6%	44	44	0	-0.4%
14.8%	44	44	0	-0.4%
16.0%	44	43	0	-0.4%
17.3%	44	43	0	-0.4%
18.5%	43	43	0	-0.4%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	-1.0%
23.5%	43	43	0	-0.8%
24.7%	43	42	-1	-1.4%
25.9%	43	42	-1	-2.6%
27.2%	43	42	-1	-2.2%
28.4%	42	41	-1	-2.1%
29.6%	42	41	-1	-1.7%
30.9%	41	41	-1	-1.3%
32.1%	41	41	0	-0.9%
33.3%	41	41	0	-0.8%
34.6%	41	39	-2	-4.1%
35.8%	41	39	-2	-5.6%
37.0%	41	38	-2	-6.0%
38.3%	41	37	-3	-8.0%
39.5%	40	37	-3	-6.5%
40.7%	39	36	-3	-8.0%
42.0%	39	36	-3	-7.6%
43.2%	39	36	-3	-6.8%
44.4%	38	36	-3	-7.5%
45.7%	38	36	-3	-7.4%
46.9%	36	35	-1	-2.1%
48.1%	35	34	-2	-5.4%
49.4%	35	33	-2	-5.0%
50.6%	35	33	-2	-5.2%
51.9%	35	32	-2	-6.5%
53.1%	34	32	-2	-6.8%
54.3%	34	32	-2	-6.1%
55.6%	34	32	-2	-6.2%
56.8%	34	32	-2	-6.0%
58.0%	34	32	-2	-6.2%
59.3%	34	32	-2	-5.3%
60.5%	33	32	-1	-4.1%
61.7%	33	32	-1	-3.8%
63.0%	33	32	-1	-3.1%
64.2%	33	32	-1	-3.0%
65.4%	32	32	-1	-2.5%
66.7%	32	31	-1	-2.2%
67.9%	32	31	-1	-1.7%
69.1%	32	31	-1	-1.8%
70.4%	31	31	0	-1.2%
71.6%	31	31	0	-0.7%
72.8%	31	31	0	-0.3%
74.1%	31	31	0	-0.3%
75.3%	31	31	0	-0.6%
76.5%	31	31	0	-0.4%
77.8%	31	31	0	-0.4%
79.0%	31	31	0	0.3%
80.2%	31	31	0	0.0%
81.5%	30	30	0	0.4%
82.7%	30	30	0	0.6%
84.0%	30	30	0	0.5%
85.2%	30	30	0	0.5%
86.4%	30	30	0	0.5%
87.7%	30	30	0	1.0%
88.9%	29	30	0	1.5%
90.1%	29	30	0	1.2%
91.4%	29	30	1	1.9%
92.6%	29	29	0	0.5%
93.8%	29	29	1	1.8%
95.1%	29	29	1	1.9%
96.3%	29	29	1	2.3%
97.5%	29	29	1	2.2%
98.8%	28	29	0	0.6%
100.0%	28	27	-1	-2.1%

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.2%
3.7%	45	45	0	0.0%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	-0.2%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	44	0	-0.4%
12.3%	44	44	0	0.0%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.4%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	-0.2%
21.0%	44	43	0	-0.4%
22.2%	44	43	0	-0.2%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	0.2%
25.9%	43	43	0	0.0%
27.2%	43	43	0	0.0%
28.4%	43	43	0	0.0%
29.6%	43	43	0	-0.2%
30.9%	43	43	0	-0.4%
32.1%	43	42	-1	-1.6%
33.3%	43	42	-1	-1.6%
34.6%	43	42	-1	-1.2%
35.8%	43	42	-1	-1.6%
37.0%	42	42	-1	-1.6%
38.3%	42	42	-1	-1.6%
39.5%	42	41	-1	-2.0%
40.7%	42	41	-1	-1.9%
42.0%	42	41	-1	-2.1%
43.2%	42	41	-1	-2.3%
44.4%	41	40	-1	-2.6%
45.7%	41	39	-2	-4.5%
46.9%	40	39	-2	-3.9%
48.1%	40	39	-2	-3.9%
49.4%	40	38	-1	-3.7%
50.6%	39	38	-1	-3.6%
51.9%	39	37	-2	-5.5%
53.1%	38	37	-2	-4.7%
54.3%	37	35	-2	-4.7%
55.6%	37	35	-2	-5.2%
56.8%	37	35	-2	-6.3%
58.0%	37	34	-2	-6.1%
59.3%	37	34	-3	-8.0%
60.5%	36	34	-2	-6.1%
61.7%	36	33	-3	-7.3%
63.0%	36	33	-2	-6.8%
64.2%	35	33	-2	-5.8%
65.4%	35	33	-2	-5.6%
66.7%	35	33	-2	-6.1%
67.9%	35	33	-2	-6.2%
69.1%	35	32	-2	-6.4%
70.4%	34	32	-2	-6.3%
71.6%	34	32	-2	-6.6%
72.8%	34	32	-2	-4.8%
74.1%	33	32	-1	-4.3%
75.3%	33	32	-1	-3.5%
76.5%	33	32	-1	-3.1%
77.8%	32	31	0	-1.3%
79.0%	32	31	0	-0.8%
80.2%	31	31	0	0.4%
81.5%	31	31	0	0.4%
82.7%	31	31	0	0.2%
84.0%	31	31	0	-0.1%
85.2%	31	31	0	0.3%
86.4%	30	31	1	1.9%
87.7%	30	31	1	2.1%
88.9%	30	31	1	1.7%
90.1%	30	30	1	1.8%
91.4%	30	30	0	1.0%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.1%
95.1%	29	29	0	0.0%
96.3%	28	28	0	1.2%
97.5%	28	28	0	0.5%
98.8%	28	28	0	1.2%
100.0%	28	28	0	0.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.3%
2.5%	45	45	0	-0.1%
3.7%	45	45	0	0.0%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	0.0%
9.9%	44	44	0	-0.6%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.8%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.4%
17.3%	43	43	0	-0.6%
18.5%	43	43	0	0.0%
19.8%	43	43	0	-0.2%
21.0%	42	42	0	-0.2%
22.2%	42	42	0	-0.8%
23.5%	42	42	0	0.0%
24.7%	42	42	0	-0.4%
25.9%	42	42	0	-0.8%
27.2%	42	41	-1	-1.7%
28.4%	42	41	-1	-2.5%
29.6%	41	41	0	-1.1%
30.9%	41	41	0	-1.1%
32.1%	41	40	-1	-1.7%
33.3%	40	39	-2	-4.1%
34.6%	40	38	-2	-4.8%
35.8%	40	38	-2	-5.5%
37.0%	40	38	-2	-5.7%
38.3%	40	37	-3	-6.7%
39.5%	39	36	-3	-8.2%
40.7%	39	36	-3	-7.7%
42.0%	39	35	-3	-8.6%
43.2%	39	35	-3	-8.7%
44.4%	39	35	-4	-9.5%
45.7%	39	35	-4	-10.5%
46.9%	38	34	-4	-9.5%
48.1%	38	34	-4	-9.3%
49.4%	38	34	-4	-9.6%
50.6%	38	34	-4	-10.7%
51.9%	37	34	-4	-9.7%
53.1%	37	33	-4	-10.0%
54.3%	36	33	-3	-9.1%
55.6%	36	33	-4	-9.7%
56.8%	36	33	-3	-9.3%
58.0%	36	32	-3	-9.6%
59.3%	35	32	-3	-8.2%
60.5%	35	32	-3	-7.6%
61.7%	35	32	-2	-7.2%
63.0%	34	32	-2	-6.6%
64.2%	34	32	-2	-5.8%
65.4%	33	32	-2	-5.5%
66.7%	33	31	-2	-5.3%
67.9%	33	31	-2	-5.0%
69.1%	33	31	-2	-4.8%
70.4%	33	31	-2	-4.8%
71.6%	33	31	-1	-4.4%
72.8%	33	31	-2	-5.3%
74.1%	33	31	-2	-5.3%
75.3%	32	31	-2	-5.1%
76.5%	32	31	-2	-5.2%
77.8%	32	31	-2	-5.2%
79.0%	32	30	-2	-6.0%
80.2%	32	30	-2	-5.8%
81.5%	31	30	-1	-4.3%
82.7%	31	30	-1	-4.0%
84.0%	31	30	-1	-3.9%
85.2%	31	30	-1	-3.5%
86.4%	31	30	-1	-3.7%
87.7%	31	30	-1	-3.0%
88.9%	30	30	0	-0.7%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.5%
92.6%	29	29	0	1.4%
93.8%	29	29	0	0.2%
95.1%	29	29	0	0.1%
96.3%	29	28	0	-0.4%
97.5%	28	28	0	0.2%
98.8%	28	28	0	0.1%
100.0%	28	28	0	0.5%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	43	43	0	0.2%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.0%
4.9%	43	43	0	0.2%
6.2%	42	41	0	-0.4%
7.4%	41	41	0	-0.2%
8.6%	41	41	0	-0.2%
9.9%	41	41	0	-0.9%
11.1%	41	41	0	0.0%
12.3%	40	40	0	-0.2%
13.6%	40	40	-1	-1.3%
14.8%	40	40	0	-1.1%
16.0%	40	40	0	-0.9%
17.3%	40	39	-1	-1.9%
18.5%	40	39	-1	-2.8%
19.8%	39	38	-1	-3.1%
21.0%	38	37	-1	-3.8%
22.2%	37	35	-2	-6.6%
23.5%	37	35	-2	-6.4%
24.7%	37	34	-2	-6.4%
25.9%	36	34	-3	-7.1%
27.2%	34	34	-1	-2.3%
28.4%	33	33	0	-0.8%
29.6%	33	33	0	0.0%
30.9%	32	32	0	-0.3%
32.1%	32	32	0	-0.9%
33.3%	32	31	-1	-1.6%
34.6%	31	30	-1	-4.2%
35.8%	31	30	-1	-4.2%
37.0%	30	30	0	-0.9%
38.3%	30	29	0	-1.2%
39.5%	30	29	0	-0.6%
40.7%	29	29	0	-0.3%
42.0%	29	29	0	-0.4%
43.2%	29	29	0	-0.6%
44.4%	29	29	0	-1.0%
45.7%	29	29	0	-0.9%
46.9%	29	29	0	-0.5%
48.1%	29	29	0	-0.2%
49.4%	29	29	0	-0.2%
50.6%	29	29	0	-0.1%
51.9%	29	29	0	-0.1%
53.1%	29	29	0	0.0%
54.3%	28	29	0	0.2%
55.6%	28	28	0	0.1%
56.8%	28	28	0	0.1%
58.0%	28	28	0	0.1%
59.3%	28	28	0	0.1%
60.5%	28	28	0	0.3%
61.7%	28	28	0	0.3%
63.0%	28	28	0	0.4%
64.2%	28	28	0	0.1%
65.4%	28	28	0	0.1%
66.7%	28	28	0	0.0%
67.9%	28	28	0	0.4%
69.1%	28	28	0	0.3%
70.4%	28	28	0	0.5%
71.6%	28	28	0	0.7%
72.8%	28	28	0	0.5%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.7%
79.0%	28	28	0	0.9%
80.2%	28	28	0	0.9%
81.5%	28	28	0	0.6%
82.7%	28	28	0	0.4%
84.0%	27	28	0	1.1%
85.2%	27	27	0	0.0%
86.4%	27	27	0	0.0%
87.7%	27	27	0	0.2%
88.9%	27	27	0	0.6%
90.1%	27	27	0	1.2%
91.4%	26	27	0	0.4%
92.6%	26	27	0	1.2%
93.8%	26	26	0	0.9%
95.1%	26	26	0	0.3%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	42	42	0	0.0%
1.2%	41	41	0	0.0%
2.5%	41	41	-1	-1.3%
3.7%	40	40	0	0.0%
4.9%	40	40	0	0.0%
6.2%	40	40	0	0.0%
7.4%	38	38	0	-0.2%
8.6%	38	36	-2	-5.0%
9.9%	36	36	-1	-1.6%
11.1%	36	35	-1	-2.1%
12.3%	35	35	0	-0.8%
13.6%	35	35	0	-0.8%
14.8%	35	35	0	-0.8%
16.0%	35	34	-1	-2.8%
17.3%	34	33	0	-0.9%
18.5%	32	32	0	0.0%
19.8%	32	31	-1	-3.7%
21.0%	32	31	-1	-3.0%
22.2%	32	31	-1	-3.5%
23.5%	31	30	-1	-2.6%
24.7%	31	30	-1	-2.2%
25.9%	31	30	0	-1.4%
27.2%	31	30	-1	-2.8%
28.4%	29	30	0	1.4%
29.6%	29	29	0	1.4%
30.9%	29	29	0	-0.1%
32.1%	29	29	0	-0.8%
33.3%	29	29	0	-0.5%
34.6%	29	29	0	0.0%
35.8%	29	29	0	0.1%
37.0%	29	29	0	0.0%
38.3%	29	28	0	-0.2%
39.5%	28	28	0	-0.3%
40.7%	28	28	0	-0.2%
42.0%	28	28	0	-0.1%
43.2%	28	28	0	0.0%
44.4%	28	28	0	0.0%
45.7%	28	28	0	0.0%
46.9%	28	28	0	0.0%
48.1%	28	28	0	0.0%
49.4%	28	28	0	0.0%
50.6%	28	28	0	0.0%
51.9%	28	28	0	0.0%
53.1%	28	28	0	0.0%
54.3%	28	28	0	0.0%
55.6%	28	28	0	0.0%
56.8%	28	28	0	0.5%
58.0%	28	28	0	0.5%
59.3%	28	28	0	0.8%
60.5%	28	28	0	1.0%
61.7%	28	28	0	1.0%
63.0%	28	28	0	1.1%
64.2%	28	28	0	1.1%
65.4%	28	28	0	0.6%
66.7%	28	28	0	0.6%
67.9%	28	28	0	0.8%
69.1%	28	28	0	0.4%
70.4%	28	28	0	0.4%
71.6%	28	28	0	0.4%
72.8%	27	28	0	0.9%
74.1%	27	28	0	1.1%
75.3%	27	28	0	1.1%
76.5%	27	27	0	1.0%
77.8%	27	27	0	0.8%
79.0%	27	27	0	0.2%
80.2%	27	27	0	0.1%
81.5%	27	27	0	0.2%
82.7%	27	27	0	0.4%
84.0%	27	27	0	0.5%
85.2%	27	27	0	0.9%
86.4%	27	27	0	1.0%
87.7%	27	27	0	0.6%
88.9%	26	26	0	0.0%
90.1%	26	26	0	-0.1%
91.4%	26	26	0	-0.1%
92.6%	26	26	0	0.1%
93.8%	26	26	0	0.0%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.0%
98.8%	26	26	0	0.0%
100.0%	26	26	0	0.0%

Table SW-56-9b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	0.0%
1.2%	38	39	0	0.9%
2.5%	34	33	-2	-5.4%
3.7%	32	32	1	2.0%
4.9%	31	32	1	2.2%
6.2%	31	32	1	2.2%
7.4%	31	32	1	2.9%
8.6%	31	31	1	1.6%
9.9%	31	31	0	1.6%
11.1%	31	31	0	1.5%
12.3%	30	31	1	2.1%
13.6%	30	31	1	2.3%
14.8%	30	31	1	2.4%
16.0%	30	30	0	0.9%
17.3%	30	30	1	1.8%
18.5%	30	30	1	2.0%
19.8%	30	30	0	1.4%
21.0%	30	30	0	1.6%
22.2%	29	30	1	2.1%
23.5%	29	30	1	2.6%
24.7%	29	30	1	2.8%
25.9%	29	30	1	3.3%
27.2%	29	30	1	3.5%
28.4%	29	30	1	3.7%
29.6%	29	30	1	3.1%
30.9%	29	30	1	2.8%
32.1%	29	29	1	2.8%
33.3%	29	29	1	2.9%
34.6%	29	29	1	2.6%
35.8%	29	29	1	2.4%
37.0%	29	29	1	2.3%
38.3%	29	29	1	2.3%
39.5%	28	29	1	2.5%
40.7%	28	29	1	2.2%
42.0%	28	29	1	2.2%
43.2%	28	29	1	2.1%
44.4%	28	29	1	2.1%
45.7%	28	29	1	1.9%
46.9%	28	29	0	1.7%
48.1%	28	29	0	1.7%
49.4%	28	29	0	1.7%
50.6%	28	29	0	1.7%
51.9%	28	29	0	1.8%
53.1%	28	29	0	1.6%
54.3%	28	29	0	1.6%
55.6%	28	29	0	1.6%
56.8%	28	29	0	1.7%
58.0%	28	29	0	1.6%
59.3%	28	29	0	1.5%
60.5%	28	29	0	1.5%
61.7%	28	29	0	1.5%
63.0%	28	29	0	1.5%
64.2%	28	29	0	1.5%
65.4%	28	29	0	1.4%
66.7%	28	29	0	1.4%
67.9%	28	29	0	1.4%
69.1%	28	29	0	1.4%
70.4%	28	29	0	1.4%
71.6%	28	28	0	1.1%
72.8%	28	28	1	2.0%
74.1%	28	28	1	1.9%
75.3%	28	28	0	1.7%
76.5%	28	28	0	1.7%
77.8%	28	28	1	1.9%
79.0%	28	28	1	2.0%
80.2%	28	28	1	2.1%
81.5%	28	28	1	2.3%
82.7%	28	28	1	2.3%
84.0%	28	28	1	2.3%
85.2%	27	28	1	3.4%
86.4%	27	28	1	3.6%
87.7%	27	28	1	4.0%
88.9%	27	28	1	4.1%
90.1%	27	28	1	3.8%
91.4%	27	28	1	3.9%
92.6%	27	28	1	4.3%
93.8%	26	28	1	5.3%
95.1%	26	28	1	4.8%
96.3%	26	28	1	5.2%
97.5%	26	27	1	4.8%
98.8%	26	27	1	4.2%
100.0%	26	27	1	3.9%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	35	35	0	0.0%
1.2%	34	35	1	2.8%
2.5%	32	35	2	7.2%
3.7%	32	35	2	6.8%
4.9%	32	35	2	7.4%
6.2%	32	35	2	7.2%
7.4%	32	34	2	7.3%
8.6%	32	34	2	7.2%
9.9%	32	34	2	7.3%
11.1%	32	34	2	6.9%
12.3%	32	34	2	6.7%
13.6%	32	34	2	6.8%
14.8%	32	34	2	6.8%
16.0%	32	34	2	6.8%
17.3%	32	34	2	6.3%
18.5%	32	33	2	6.0%
19.8%	31	33	2	6.5%
21.0%	31	33	2	6.5%
22.2%	31	33	2	6.5%
23.5%	31	33	2	6.4%
24.7%	31	33	2	6.0%
25.9%	31	33	2	5.9%
27.2%	31	33	2	6.0%
28.4%	31	33	2	5.8%
29.6%	31	33	2	5.8%
30.9%	31	33	2	5.7%
32.1%	31	32	1	4.8%
33.3%	31	32	1	4.4%
34.6%	31	32	1	4.0%
35.8%	31	32	1	3.9%
37.0%	31	32	1	3.9%
38.3%	31	32	1	4.2%
39.5%	31	32	1	4.0%
40.7%	31	32	1	3.8%
42.0%	31	32	1	4.0%
43.2%	31	32	1	4.0%
44.4%	30	32	1	4.6%
45.7%	30	32	2	5.4%
46.9%	30	32	2	5.5%
48.1%	30	31	2	5.2%
49.4%	30	31	2	5.3%
50.6%	30	31	2	5.2%
51.9%	30	31	1	4.8%
53.1%	30	31	1	3.7%
54.3%	30	31	1	3.2%
55.6%	30	31	1	3.3%
56.8%	30	31	1	3.7%
58.0%	29	31	1	3.7%
59.3%	29	30	1	4.3%
60.5%	29	30	1	3.8%
61.7%	29	30	1	3.9%
63.0%	29	30	1	4.4%
64.2%	29	30	1	4.6%
65.4%	29	30	1	4.6%
66.7%	29	30	1	4.6%
67.9%	29	30	1	4.6%
69.1%	29	30	1	4.4%
70.4%	29	30	1	4.3%
71.6%	29	30	1	4.6%
72.8%	29	30	1	4.5%
74.1%	29	30	1	4.1%
75.3%	28	30	1	4.4%
76.5%	28	30	1	4.6%
77.8%	28	29	1	4.4%
79.0%	28	29	1	4.1%
80.2%	28	29	1	4.1%
81.5%	28	29	1	3.9%
82.7%	28	29	1	3.9%
84.0%	28	29	1	3.2%
85.2%	28	29	1	2.9%
86.4%	28	29	1	2.6%
87.7%	28	29	1	2.4%
88.9%	28	29	1	2.3%
90.1%	28	29	1	2.2%
91.4%	28	28	0	1.6%
92.6%	28	28	0	1.7%
93.8%	27	28	1	3.6%
95.1%	27	28	1	3.7%
96.3%	27	28	1	3.9%
97.5%	27	28	1	4.6%
98.8%	27	28	1	5.3%
100.0%	26	28	2	6.1%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	35	3	7.7%
1.2%	33	34	1	3.1%
2.5%	32	33	1	2.8%
3.7%	32	33	1	1.7%
4.9%	32	33	1	1.9%
6.2%	32	32	0	0.4%
7.4%	32	32	0	0.2%
8.6%	32	32	0	0.3%
9.9%	32	32	0	0.0%
11.1%	31	32	0	0.4%
12.3%	31	31	0	1.4%
13.6%	30	31	0	1.3%
14.8%	30	31	1	2.0%
16.0%	30	31	1	2.5%
17.3%	30	31	1	2.4%
18.5%	30	31	1	2.5%
19.8%	30	31	1	2.5%
21.0%	30	31	1	2.3%
22.2%	30	31	1	2.4%
23.5%	30	31	1	2.4%
24.7%	30	30	1	2.4%
25.9%	30	30	1	2.7%
27.2%	30	30	1	2.5%
28.4%	30	30	1	2.5%
29.6%	29	30	1	2.9%
30.9%	29	30	1	2.8%
32.1%	29	30	1	2.8%
33.3%	29	30	0	1.6%
34.6%	29	30	0	1.7%
35.8%	29	30	1	1.9%
37.0%	29	30	1	2.6%
38.3%	29	30	1	2.6%
39.5%	29	30	1	2.8%
40.7%	29	30	1	3.1%
42.0%	29	30	1	3.1%
43.2%	29	29	1	2.5%
44.4%	28	29	1	2.7%
45.7%	28	29	1	3.1%
46.9%	28	29	1	3.0%
48.1%	28	29	1	3.1%
49.4%	28	29	1	2.9%
50.6%	28	29	1	3.1%
51.9%	28	29	1	3.0%
53.1%	28	29	1	2.8%
54.3%	28	29	1	2.7%
55.6%	28	29	1	2.8%
56.8%	28	29	1	2.4%
58.0%	28	29	1	2.2%
59.3%	28	29	1	2.2%
60.5%	28	29	1	2.1%
61.7%	28	29	1	1.9%
63.0%	28	29	1	1.9%
64.2%	28	29	0	1.6%
65.4%	28	28	0	1.2%
66.7%	28	28	0	1.2%
67.9%	28	28	0	1.1%
69.1%	28	28	0	1.1%
70.4%	28	28	0	1.0%
71.6%	28	28	0	0.9%
72.8%	28	28	0	0.9%
74.1%	28	28	0	0.8%
75.3%	28	28	0	0.6%
76.5%	28	28	0	0.5%
77.8%	28	28	0	0.5%
79.0%	28	28	0	0.4%
80.2%	28	28	0	0.6%
81.5%	28	28	0	1.0%
82.7%	28	28	1	2.3%
84.0%	27	28	1	2.2%
85.2%	27	28	1	2.3%
86.4%	27	28	1	2.3%
87.7%	27	28	1	2.3%
88.9%	27	28	1	2.3%
90.1%	27	28	1	2.6%
91.4%	27	28	1	3.9%
92.6%	27	28	1	4.2%
93.8%	27	28	1	3.3%
95.1%	27	27	1	2.6%
96.3%	26	27	1	5.0%
97.5%	26	27	1	4.1%
98.8%	26	26	0	1.6%
100.0%	26	26	0	1.8%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.9%
4.9%	37	38	1	1.9%
6.2%	37	38	2	4.2%
7.4%	36	38	2	4.7%
8.6%	36	38	2	5.0%
9.9%	36	38	2	5.2%
11.1%	36	37	1	2.0%
12.3%	36	37	1	1.8%
13.6%	36	37	1	1.8%
14.8%	36	36	0	1.0%
16.0%	36	36	1	1.5%
17.3%	36	36	0	1.3%
18.5%	35	36	1	2.4%
19.8%	35	36	1	1.8%
21.0%	35	36	1	2.1%
22.2%	35	36	1	1.9%
23.5%	35	36	1	2.5%
24.7%	35	36	1	2.4%
25.9%	34	36	1	3.6%
27.2%	34	35	1	3.6%
28.4%	34	35	2	4.6%
29.6%	33	33	0	0.0%
30.9%	33	33	1	1.6%
32.1%	33	33	1	1.6%
33.3%	33	33	0	1.3%
34.6%	32	33	1	1.6%
35.8%	32	32	0	0.0%
37.0%	32	32	0	0.4%
38.3%	32	32	0	-0.1%
39.5%	31	32	1	1.9%
40.7%	31	31	1	2.3%
42.0%	30	31	1	3.1%
43.2%	30	31	1	3.0%
44.4%	30	31	1	3.6%
45.7%	30	31	1	4.3%
46.9%	30	30	1	3.2%
48.1%	29	30	1	3.3%
49.4%	29	30	1	2.9%
50.6%	29	30	1	3.7%
51.9%	29	30	1	3.4%
53.1%	29	30	1	3.4%
54.3%	29	30	1	3.5%
55.6%	29	30	1	3.2%
56.8%	29	30	1	3.4%
58.0%	29	30	1	2.9%
59.3%	29	29	1	2.3%
60.5%	29	29	1	2.6%
61.7%	29	29	1	2.6%
63.0%	29	29	1	2.3%
64.2%	29	29	1	2.4%
65.4%	29	29	1	2.1%
66.7%	28	29	1	2.1%
67.9%	28	29	1	2.2%
69.1%	28	29	1	2.3%
70.4%	28	29	1	2.6%
71.6%	28	29	1	2.8%
72.8%	28	29	1	2.8%
74.1%	28	29	1	2.9%
75.3%	28	29	1	2.6%
76.5%	28	29	1	2.7%
77.8%	28	29	1	2.4%
79.0%	28	29	1	3.5%
80.2%	28	29	1	4.1%
81.5%	28	29	1	4.2%
82.7%	27	29	1	4.2%
84.0%	27	29	1	4.0%
85.2%	27	29	1	4.5%
86.4%	27	28	1	4.0%
87.7%	27	28	1	4.4%
88.9%	27	28	1	5.4%
90.1%	27	28	1	5.1%
91.4%	27	28	1	4.8%
92.6%	27	28	1	5.4%
93.8%	27	28	1	5.5%
95.1%	26	28	2	7.7%
96.3%	26	28	2	7.8%
97.5%	26	27	1	4.6%
98.8%	26	27	1	5.7%
100.0%	26	26	0	1.8%

Table SW-57-9a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	74	74	75	75	75	76	74	75	75	77	76	75
Alternative D	74	74	74	75	75	76	74	74	75	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.1%	0.0%	-0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	75	75	76	77	78	78	76	76	76	76	75	77
Alternative D	75	75	75	77	78	78	76	76	76	76	75	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	-0.1%	-0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.2%
Above Normal (15%)												
No Action Alternative	75	74	75	75	75	76	74	74	75	77	76	77
Alternative D	75	74	74	75	75	76	74	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.1%	-0.6%	0.0%	-0.1%	0.0%	0.0%	0.2%	0.4%	0.0%	-0.3%	0.2%
Below Normal (17%)												
No Action Alternative	74	74	74	74	74	74	73	73	74	77	76	74
Alternative D	74	74	74	73	74	74	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.1%	0.4%	-0.2%	0.2%	0.2%	0.0%	0.0%	0.3%	-0.1%	-0.3%	-0.2%
Dry (22%)												
No Action Alternative	74	73	74	73	74	74	73	74	75	77	76	74
Alternative D	74	73	74	73	74	73	73	73	75	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	-0.2%	-0.1%	-0.1%	-0.2%	0.0%	-0.2%	-0.4%	-0.2%	0.4%	0.5%
Critical (15%)												
No Action Alternative	73	73	73	73	73	73	73	74	74	76	74	74
Alternative D	73	73	74	73	73	73	73	73	74	76	75	74
Difference	0	0	0	0	0	0	0	0	0	0	1	0
Percent Difference	-0.1%	-0.1%	0.0%	-0.1%	-0.1%	0.1%	-0.2%	-0.1%	-0.5%	0.3%	0.8%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

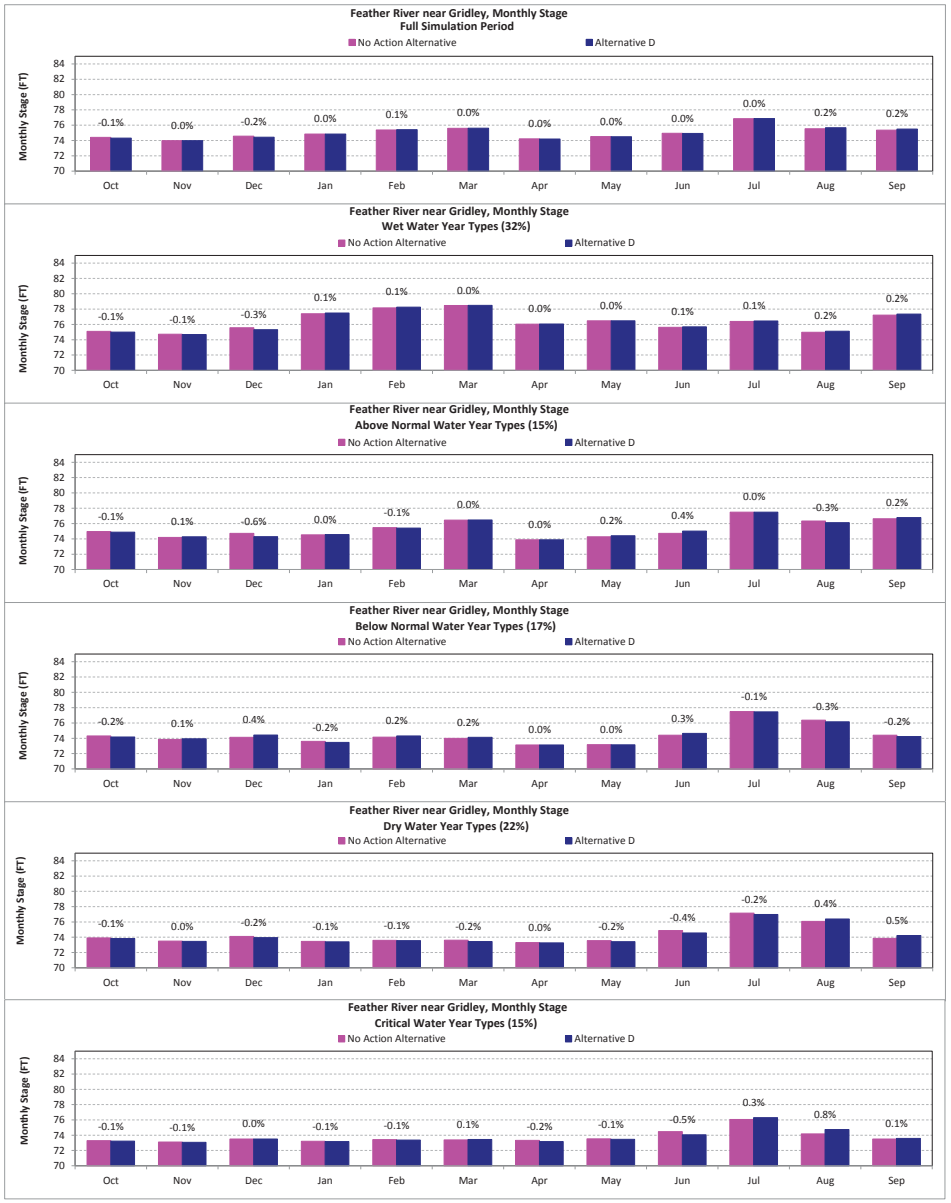

Figure SW-57-9b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

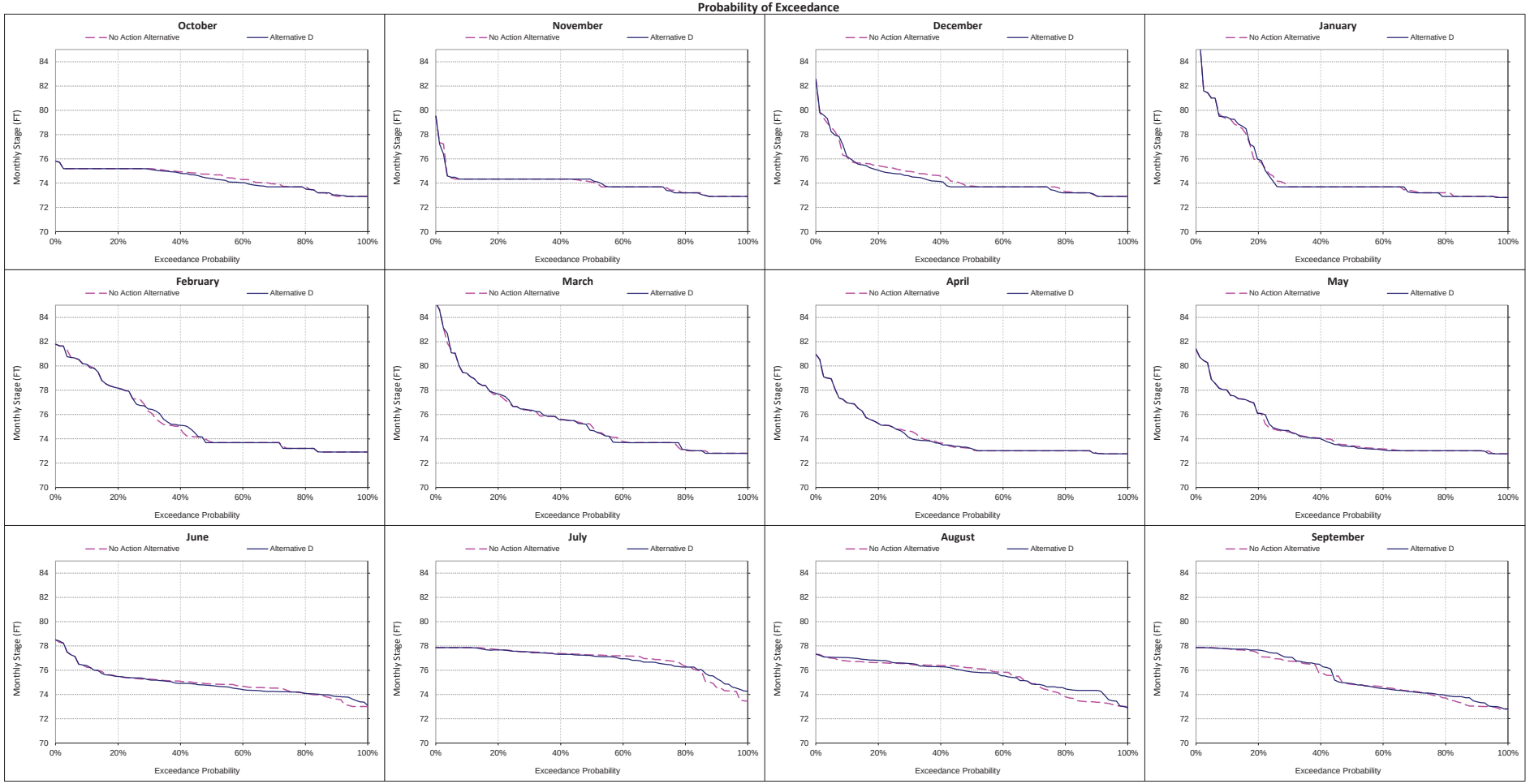

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	-0.1%
32.1%	75	75	0	-0.1%
33.3%	75	75	0	-0.1%
34.6%	75	75	0	-0.1%
35.8%	75	75	0	0.0%
37.0%	75	75	0	-0.1%
38.3%	75	75	0	-0.1%
39.5%	75	75	0	-0.1%
40.7%	75	75	0	-0.2%
42.0%	75	75	0	-0.2%
43.2%	75	75	0	-0.2%
44.4%	75	75	0	-0.2%
45.7%	75	75	0	-0.3%
46.9%	75	75	0	-0.3%
48.1%	75	74	0	-0.4%
49.4%	75	74	0	-0.5%
50.6%	75	74	0	-0.4%
51.9%	75	74	0	-0.5%
53.1%	75	74	0	-0.6%
54.3%	74	74	0	-0.3%
55.6%	74	74	0	-0.4%
56.8%	74	74	0	-0.4%
58.0%	74	74	0	-0.3%
59.3%	74	74	0	-0.4%
60.5%	74	74	0	-0.4%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.4%
64.2%	74	74	0	-0.3%
65.4%	74	74	0	-0.4%
66.7%	74	74	0	-0.4%
67.9%	74	74	0	-0.5%
69.1%	74	74	0	-0.3%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	-0.3%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.2%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.2%
91.4%	73	73	0	0.1%
92.6%	73	73	0	0.1%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	80	80	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	76	-1	-1.1%
3.7%	74	75	0	0.1%
4.9%	74	74	0	0.0%
6.2%	74	74	0	0.2%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.1%
45.7%	74	74	0	0.1%
46.9%	74	74	0	0.2%
48.1%	74	74	0	0.2%
49.4%	74	74	0	0.3%
50.6%	74	74	0	0.1%
51.9%	74	74	0	0.2%
53.1%	74	74	0	0.4%
54.3%	74	74	0	0.1%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	73	0	-0.3%
75.3%	73	73	0	-0.1%
76.5%	73	73	0	-0.3%
77.8%	73	73	0	-0.2%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.2%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	80	80	0	0.0%
2.5%	79	80	0	0.3%
3.7%	79	79	0	0.5%
4.9%	79	78	0	-0.5%
6.2%	78	78	0	-0.4%
7.4%	78	78	0	0.3%
8.6%	76	77	1	1.1%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.3%
12.3%	76	76	0	0.1%
13.6%	76	76	0	-0.1%
14.8%	76	76	0	-0.2%
16.0%	76	75	0	-0.2%
17.3%	76	75	0	-0.4%
18.5%	75	75	0	-0.4%
19.8%	75	75	0	-0.5%
21.0%	75	75	0	-0.5%
22.2%	75	75	0	-0.6%
23.5%	75	75	0	-0.6%
24.7%	75	75	0	-0.6%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.4%
28.4%	75	75	0	-0.5%
29.6%	75	75	0	-0.5%
30.9%	75	75	0	-0.6%
32.1%	75	74	0	-0.5%
33.3%	75	74	0	-0.4%
34.6%	75	74	0	-0.5%
35.8%	75	74	0	-0.6%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.6%
40.7%	74	74	0	-0.5%
42.0%	74	74	-1	-1.0%
43.2%	74	74	0	-0.6%
44.4%	74	74	0	-0.6%
45.7%	74	74	0	-0.5%
46.9%	74	74	0	-0.3%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	73	0	-0.3%
76.5%	74	73	0	-0.4%
77.8%	74	73	0	-0.5%
79.0%	73	73	0	-0.2%
80.2%	73	73	0	-0.1%
81.5%	73	73	0	-0.1%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	86	86	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	0	0.0%
4.9%	81	81	0	0.0%
6.2%	81	81	0	0.1%
7.4%	80	80	0	-0.2%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.2%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.5%
13.6%	79	79	0	0.2%
14.8%	78	79	0	0.3%
16.0%	78	78	0	0.6%
17.3%	77	77	0	0.0%
18.5%	76	77	1	1.3%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.3%
22.2%	75	75	0	-0.2%
23.5%	75	75	0	-0.3%
24.7%	75	74	0	-0.6%
25.9%	74	74	0	-0.6%
27.2%	74	74	0	-0.6%
28.4%	74	74	0	-0.4%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	73	74	0	0.3%
67.9%	73	73	0	-0.2%
69.1%	73	73	0	-0.2%
70.4%	73	73	0	-0.1%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	-0.4%
80.2%	73	73	0	-0.4%
81.5%	73	73	0	-0.4%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	82	82	0	0.0%
1.2%	82	82	0	0.0%
2.5%	82	82	0	0.0%
3.7%	81	81	-1	-0.7%
4.9%	81	81	0	0.0%
6.2%	81	81	0	0.0%
7.4%	81	81	0	0.0%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	-0.1%
12.3%	80	80	0	0.0%
13.6%	80	80	0	0.0%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	77	77	0	0.0%
25.9%	77	77	0	-0.6%
27.2%	77	77	0	-0.6%
28.4%	77	77	0	-0.2%
29.6%	76	76	0	0.2%
30.9%	76	76	0	0.5%
32.1%	76	76	1	0.9%
33.3%	75	76	1	0.9%
34.6%	75	76	0	0.6%
35.8%	75	75	0	0.4%
37.0%	75	75	0	0.1%
38.3%	75	75	0	0.2%
39.5%	75	75	0	0.1%
40.7%	75	75	1	0.8%
42.0%	74	75	1	1.1%
43.2%	74	75	1	0.8%
44.4%	74	75	0	0.5%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.4%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	73	73	0	-0.2%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	83	83	0	0.0%
3.7%	82	83	1	1.0%
4.9%	81	81	0	-0.3%
6.2%	81	81	0	-0.1%
7.4%	80	80	0	0.0%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.0%
11.1%	79	79	0	0.0%
12.3%	79	79	0	0.0%
13.6%	79	79	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	78	78	0	0.0%
18.5%	78	78	0	0.2%
19.8%	78	78	0	0.1%
21.0%	77	78	0	0.2%
22.2%	77	77	0	0.4%
23.5%	77	77	0	0.3%
24.7%	77	77	0	0.0%
25.9%	77	77	0	0.0%
27.2%	76	76	0	0.0%
28.4%	76	76	0	0.1%
29.6%	76	76	0	0.0%
30.9%	76	76	0	0.1%
32.1%	76	76	0	0.0%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.1%
35.8%	76	76	0	0.0%
37.0%	76	76	0	0.0%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.0%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.0%
43.2%	75	76	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	0.0%
48.1%	75	75	0	-0.1%
49.4%	75	75	-1	-0.7%
50.6%	75	75	0	-0.3%
51.9%	75	75	0	0.0%
53.1%	75	74	0	-0.1%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	-0.6%
58.0%	74	74	0	-0.5%
59.3%	74	74	0	-0.2%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	73	74	0	0.6%
79.0%	73	73	0	0.1%
80.2%	73	73	0	0.1%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	-0.3%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	79	79	0	0.1%
3.7%	79	79	0	0.0%
4.9%	79	79	0	0.0%
6.2%	78	78	0	0.0%
7.4%	77	77	0	0.0%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	76	77	0	0.0%
14.8%	76	76	0	0.0%
16.0%	76	76	0	0.0%
17.3%	76	76	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.2%
28.4%	75	74	0	-0.3%
29.6%	75	74	-1	-0.7%
30.9%	75	74	-1	-0.8%
32.1%	74	74	0	-0.7%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	-0.1%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.2%
39.5%	74	74	0	0.0%
40.7%	74	73	0	-0.2%
42.0%	73	73	0	0.0%
43.2%	73	73	0	0.1%
44.4%	73	73	0	0.1%
45.7%	73	73	0	0.1%
46.9%	73	73	0	0.1%
48.1%	73	73	0	0.1%
49.4%	73	73	0	0.0%
50.6%	73	73	0	0.1%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	-0.2%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	81	81	0	0.0%
2.5%	80	80	0	0.0%
3.7%	80	80	0	0.0%
4.9%	79	79	0	0.0%
6.2%	79	79	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	76	1	1.0%
23.5%	75	75	0	0.4%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	0.1%
30.9%	75	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	-0.1%
34.6%	74	74	0	0.0%
35.8%	74	74	0	-0.1%
37.0%	74	74	0	0.0%
38.3%	74	74	0	-0.1%
39.5%	74	74	0	0.0%
40.7%	74	74	0	-0.2%
42.0%	74	74	0	-0.3%
43.2%	74	74	0	-0.4%
44.4%	74	74	0	-0.3%
45.7%	74	74	0	-0.1%
46.9%	74	73	0	-0.2%
48.1%	74	73	0	-0.1%
49.4%	73	73	0	-0.1%
50.6%	73	73	0	-0.1%
51.9%	73	73	0	-0.2%
53.1%	73	73	0	-0.2%
54.3%	73	73	0	-0.1%
55.6%	73	73	0	-0.1%
56.8%	73	73	0	-0.1%
58.0%	73	73	0	-0.1%
59.3%	73	73	0	-0.1%
60.5%	73	73	0	-0.1%
61.7%	73	73	0	-0.2%
63.0%	73	73	0	-0.1%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-9b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	79	0	0.0%
1.2%	78	78	0	0.1%
2.5%	78	78	0	0.0%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	76	76	0	0.0%
8.6%	76	76	0	0.0%
9.9%	76	76	0	0.2%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	-0.2%
16.0%	76	76	0	0.0%
17.3%	76	76	0	-0.1%
18.5%	76	76	0	-0.1%
19.8%	75	75	0	0.1%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.1%
25.9%	75	75	0	0.1%
27.2%	75	75	0	0.1%
28.4%	75	75	0	0.1%
29.6%	75	75	0	-0.1%
30.9%	75	75	0	-0.1%
32.1%	75	75	0	0.0%
33.3%	75	75	0	-0.1%
34.6%	75	75	0	0.0%
35.8%	75	75	0	-0.1%
37.0%	75	75	0	-0.1%
38.3%	75	75	0	-0.2%
39.5%	75	75	0	-0.2%
40.7%	75	75	0	-0.2%
42.0%	75	75	0	-0.2%
43.2%	75	75	0	-0.2%
44.4%	75	75	0	-0.1%
45.7%	75	75	0	-0.2%
46.9%	75	75	0	-0.2%
48.1%	75	75	0	-0.2%
49.4%	75	75	0	-0.2%
50.6%	75	75	0	-0.2%
51.9%	75	75	0	-0.2%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.3%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	-0.4%
58.0%	75	74	0	-0.3%
59.3%	75	74	0	-0.3%
60.5%	75	74	0	-0.4%
61.7%	75	74	0	-0.3%
63.0%	75	74	0	-0.3%
64.2%	75	74	0	-0.3%
65.4%	75	74	0	-0.3%
66.7%	75	74	0	-0.4%
67.9%	75	74	0	-0.4%
69.1%	75	74	0	-0.4%
70.4%	75	74	0	-0.4%
71.6%	75	74	0	-0.4%
72.8%	74	74	0	-0.3%
74.1%	74	74	0	-0.2%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.1%
82.7%	74	74	0	0.1%
84.0%	74	74	0	0.1%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.2%
87.7%	74	74	0	0.3%
88.9%	74	74	0	0.3%
90.1%	74	74	0	0.3%
91.4%	74	74	0	0.3%
92.6%	73	74	1	0.9%
93.8%	73	74	1	0.9%
95.1%	73	74	1	0.8%
96.3%	73	74	0	0.7%
97.5%	73	73	0	0.5%
98.8%	73	73	0	0.5%
100.0%	73	73	0	0.1%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	-0.1%
14.8%	78	78	0	-0.1%
16.0%	78	78	0	-0.1%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.1%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	-0.1%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.0%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.0%
29.6%	78	78	0	0.0%
30.9%	78	77	0	-0.1%
32.1%	77	77	0	-0.1%
33.3%	77	77	0	-0.1%
34.6%	77	77	0	0.0%
35.8%	77	77	0	0.0%
37.0%	77	77	0	0.0%
38.3%	77	77	0	-0.1%
39.5%	77	77	0	-0.1%
40.7%	77	77	0	-0.1%
42.0%	77	77	0	-0.1%
43.2%	77	77	0	-0.1%
44.4%	77	77	0	-0.1%
45.7%	77	77	0	-0.1%
46.9%	77	77	0	-0.1%
48.1%	77	77	0	-0.1%
49.4%	77	77	0	-0.1%
50.6%	77	77	0	-0.1%
51.9%	77	77	0	-0.2%
53.1%	77	77	0	-0.2%
54.3%	77	77	0	-0.1%
55.6%	77	77	0	-0.1%
56.8%	77	77	0	-0.1%
58.0%	77	77	0	-0.2%
59.3%	77	77	0	-0.3%
60.5%	77	77	0	-0.3%
61.7%	77	77	0	-0.3%
63.0%	77	77	0	-0.4%
64.2%	77	77	0	-0.4%
65.4%	77	77	0	-0.5%
66.7%	77	77	0	-0.4%
67.9%	77	77	0	-0.4%
69.1%	77	77	0	-0.4%
70.4%	77	77	0	-0.3%
71.6%	77	77	0	-0.4%
72.8%	77	77	0	-0.4%
74.1%	77	76	0	-0.4%
75.3%	77	76	0	-0.4%
76.5%	77	76	0	-0.5%
77.8%	77	76	0	-0.5%
79.0%	76	76	0	-0.2%
80.2%	76	76	0	-0.1%
81.5%	76	76	0	0.0%
82.7%	76	76	0	0.2%
84.0%	76	76	0	0.1%
85.2%	76	76	0	0.2%
86.4%	75	76	1	0.9%
87.7%	75	76	1	0.7%
88.9%	75	76	1	0.8%
90.1%	75	75	1	1.0%
91.4%	75	75	1	0.8%
92.6%	74	75	1	0.8%
93.8%	74	75	1	0.8%
95.1%	74	75	0	0.5%
96.3%	74	75	0	0.4%
97.5%	74	74	1	1.2%
98.8%	73	74	1	1.1%
100.0%	73	74	1	1.1%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	77	77	0	-0.1%
2.5%	77	77	0	0.0%
3.7%	77	77	0	0.1%
4.9%	77	77	0	0.1%
6.2%	77	77	0	0.1%
7.4%	77	77	0	0.3%
8.6%	77	77	0	0.3%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.4%
12.3%	77	77	0	0.3%
13.6%	77	77	0	0.3%
14.8%	77	77	0	0.3%
16.0%	77	77	0	0.3%
17.3%	77	77	0	0.3%
18.5%	77	77	0	0.3%
19.8%	77	77	0	0.2%
21.0%	77	77	0	0.2%
22.2%	77	77	0	0.2%
23.5%	77	77	0	0.2%
24.7%	77	77	0	0.1%
25.9%	77	77	0	0.1%
27.2%	77	77	0	0.1%
28.4%	77	77	0	0.0%
29.6%	77	77	0	0.0%
30.9%	76	77	0	0.1%
32.1%	76	76	0	0.1%
33.3%	76	76	0	-0.1%
34.6%	76	76	0	-0.1%
35.8%	76	76	0	-0.1%
37.0%	76	76	0	-0.1%
38.3%	76	76	0	-0.2%
39.5%	76	76	0	-0.2%
40.7%	76	76	0	-0.1%
42.0%	76	76	0	-0.1%
43.2%	76	76	0	-0.2%
44.4%	76	76	0	-0.3%
45.7%	76	76	0	-0.4%
46.9%	76	76	0	-0.4%
48.1%	76	76	0	-0.4%
49.4%	76	76	0	-0.4%
50.6%	76	76	0	-0.5%
51.9%	76	76	0	-0.4%
53.1%	76	76	0	-0.4%
54.3%	76	76	0	-0.4%
55.6%	76	76	0	-0.3%
56.8%	76	76	0	-0.1%
58.0%	76	76	0	-0.1%
59.3%	76	76	0	-0.4%
60.5%	76	76	0	-0.4%
61.7%	76	75	0	-0.5%
63.0%	76	75	0	-0.2%
64.2%	75	75	0	-0.1%
65.4%	75	75	0	-0.4%
66.7%	75	75	0	-0.1%
67.9%	75	75	0	0.1%
69.1%	75	75	0	0.0%
70.4%	75	75	0	-0.1%
71.6%	75	75	0	0.2%
72.8%	74	75	0	0.4%
74.1%	74	75	0	0.3%
75.3%	74	75	0	0.5%
76.5%	74	75	0	0.6%
77.8%	74	75	0	0.6%
79.0%	74	75	1	0.9%
80.2%	74	74	1	0.9%
81.5%	74	74	1	1.0%
82.7%	74	74	1	0.9%
84.0%	73	74	1	1.2%
85.2%	73	74	1	1.2%
86.4%	73	74	1	1.3%
87.7%	73	74	1	1.3%
88.9%	73	74	1	1.3%
90.1%	73	74	1	1.3%
91.4%	73	74	1	1.3%
92.6%	73	74	1	0.8%
93.8%	73	74	0	0.4%
95.1%	73	73	0	0.4%
96.3%	73	73	0	0.5%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	-0.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	0.0%
4.9%	78	78	0	0.0%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	0.0%
11.1%	78	78	0	0.0%
12.3%	78	78	0	0.1%
13.6%	78	78	0	0.1%
14.8%	78	78	0	0.1%
16.0%	78	78	0	0.1%
17.3%	78	78	0	0.1%
18.5%	78	78	0	0.1%
19.8%	77	78	0	0.3%
21.0%	77	78	1	0.7%
22.2%	77	78	0	0.6%
23.5%	77	77	0	0.5%
24.7%	77	77	0	0.6%
25.9%	77	77	0	0.6%
27.2%	77	77	0	0.4%
28.4%	77	77	0	0.4%
29.6%	77	77	0	0.4%
30.9%	77	77	0	0.4%
32.1%	77	77	0	0.1%
33.3%	77	77	0	0.1%
34.6%	77	77	0	0.1%
35.8%	77	77	0	0.1%
37.0%	76	77	0	0.1%
38.3%	76	77	0	0.1%
39.5%	76	77	1	1.0%
40.7%	76	76	1	0.7%
42.0%	76	76	1	0.9%
43.2%	76	76	1	0.7%
44.4%	76	75	0	-0.4%
45.7%	76	75	0	-0.6%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.1%
49.4%	75	75	0	0.1%
50.6%	75	75	0	0.1%
51.9%	75	75	0	0.0%
53.1%	75	75	0	0.0%
54.3%	75	75	0	0.0%
55.6%	75	75	0	-0.1%
56.8%	75	75	0	-0.1%
58.0%	75	75	0	-0.2%
59.3%	75	75	0	-0.2%
60.5%	75	74	0	-0.1%
61.7%	75	74	0	-0.1%
63.0%	75	74	0	-0.2%
64.2%	74	74	0	-0.1%
65.4%	74	74	0	-0.1%
66.7%	74	74	0	0.0%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.1%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.2%
76.5%	74	74	0	0.2%
77.8%	74	74	0	0.1%
79.0%	74	74	0	0.3%
80.2%	74	74	0	0.3%
81.5%	73	74	0	0.5%
82.7%	73	74	0	0.5%
84.0%	73	74	0	0.6%
85.2%	73	74	1	0.7%
86.4%	73	74	1	0.8%
87.7%	73	74	1	1.0%
88.9%	73	73	0	0.6%
90.1%	73	73	0	0.5%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.4%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.1%
97.5%	73	73	0	0.2%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-58-9a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5	5	6	6	7	6	6	6	6	6	5	5
Alternative D	5	5	6	6	7	6	6	6	6	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	1.2%	1.2%	1.4%	0.7%	0.3%	0.5%	0.6%	0.9%	-1.2%	-3.1%	0.6%	-1.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	5	6	6	9	9	7	7	7	7	6	6	7
Alternative D	5	6	6	9	9	7	7	7	7	6	6	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.7%	1.2%	1.0%	0.4%	0.1%	0.0%	0.0%	0.0%	-0.2%	-1.7%	1.1%	-4.1%
Above Normal (15%)												
No Action Alternative	5	6	6	6	8	7	6	6	6	7	6	6
Alternative D	5	6	6	6	8	7	6	6	6	7	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	0.5%	1.9%	2.3%	0.8%	0.3%	0.0%	0.0%	-0.2%	-2.6%	-0.3%	-1.9%
Below Normal (17%)												
No Action Alternative	5	6	6	5	6	5	6	6	5	7	5	5
Alternative D	5	6	6	5	6	5	6	6	5	7	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	1.5%	0.6%	1.9%	-0.4%	0.5%	1.5%	1.3%	-0.1%	-6.7%	1.8%	3.9%
Dry (22%)												
No Action Alternative	4	5	6	5	5	5	5	5	5	6	5	5
Alternative D	4	5	6	5	5	5	5	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	2.4%	2.9%	-1.9%	1.5%	1.1%	0.4%	1.3%	-2.4%	-2.8%	-1.1%	-0.4%
Critical (15%)												
No Action Alternative	4	4	4	4	4	4	4	4	5	4	4	4
Alternative D	4	4	4	5	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.0%	-0.6%	0.2%	2.2%	0.1%	1.3%	2.4%	4.7%	-5.3%	-2.4%	1.3%	0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

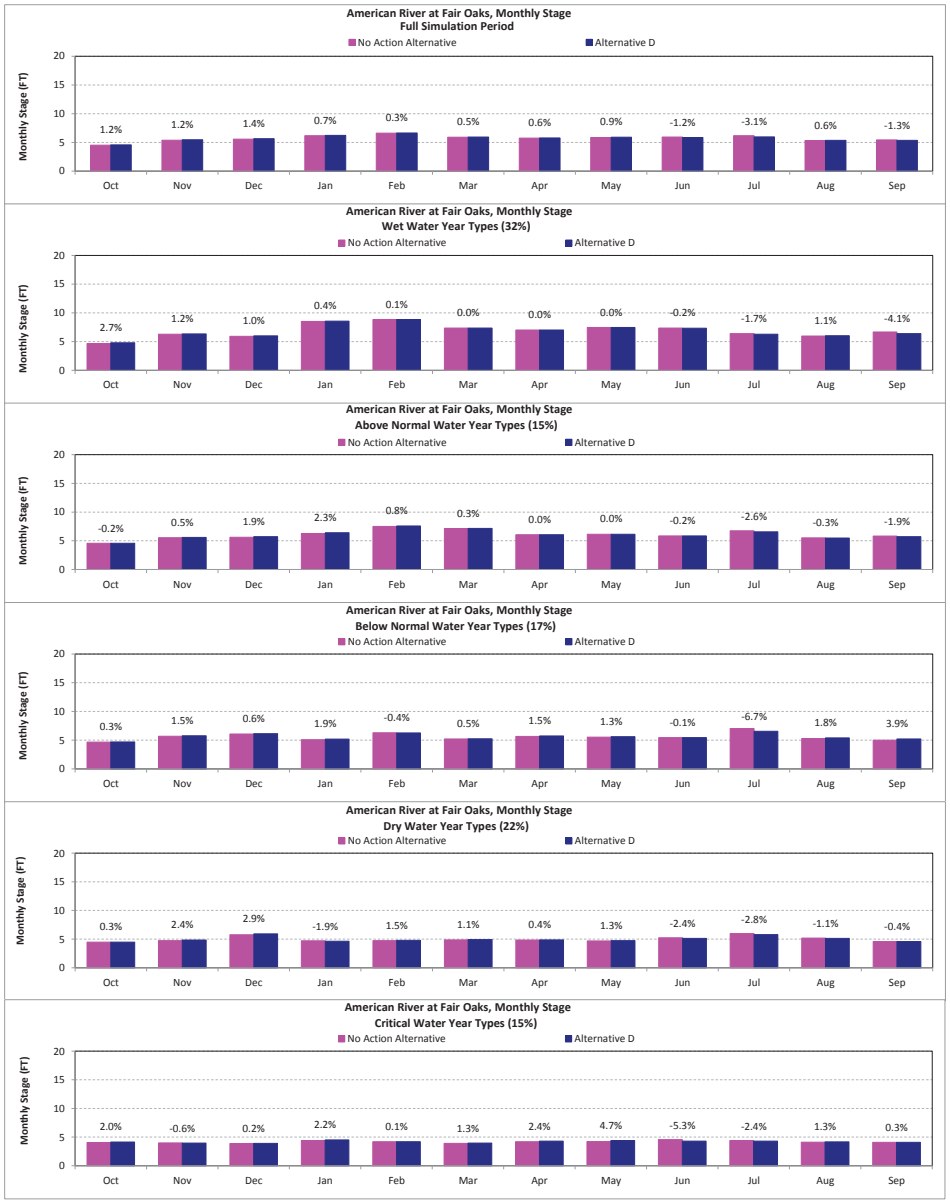

Figure SW-58-9b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

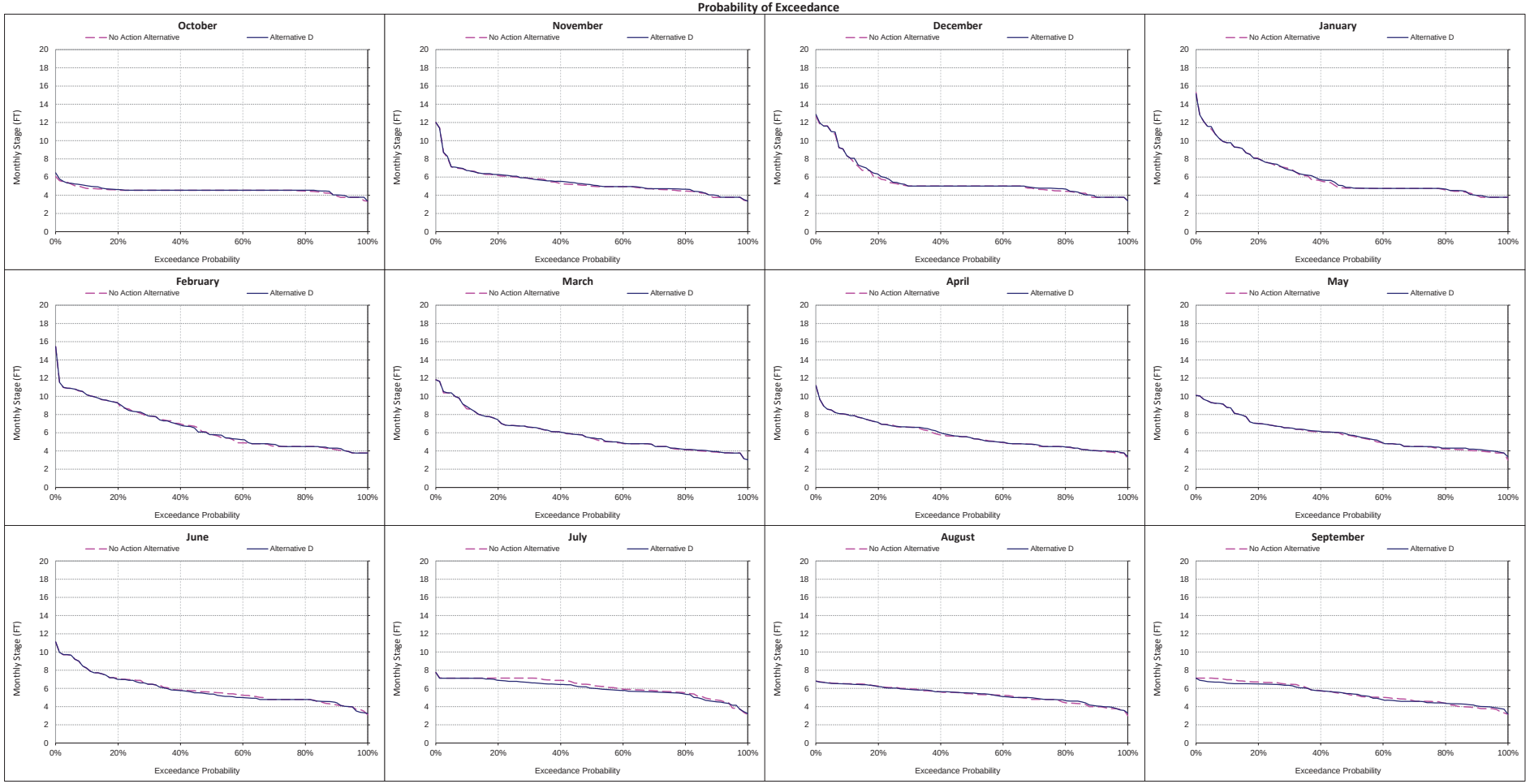

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	6.6%
1.2%	6	6	0	3.2%
2.5%	5	6	0	0.5%
3.7%	5	5	0	-1.7%
4.9%	5	5	0	1.8%
6.2%	5	5	0	3.7%
7.4%	5	5	0	3.8%
8.6%	5	5	0	5.1%
9.9%	5	5	0	6.2%
11.1%	5	5	0	5.9%
12.3%	5	5	0	4.5%
13.6%	5	5	0	4.9%
14.8%	5	5	0	2.1%
16.0%	5	5	0	0.9%
17.3%	5	5	0	1.6%
18.5%	5	5	0	0.9%
19.8%	5	5	0	0.7%
21.0%	5	5	0	1.5%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.3%
79.0%	4	5	0	1.6%
80.2%	4	5	0	2.0%
81.5%	4	5	0	2.5%
82.7%	4	5	0	2.9%
84.0%	4	5	0	3.1%
85.2%	4	4	0	3.3%
86.4%	4	4	0	5.0%
87.7%	4	4	0	4.4%
88.9%	4	4	0	-2.4%
90.1%	4	4	0	2.8%
91.4%	4	4	0	6.4%
92.6%	4	4	0	5.9%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	10.7%
100.0%	3	3	0	0.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	11	11	0	0.0%
2.5%	9	9	0	0.0%
3.7%	8	8	0	2.0%
4.9%	7	7	0	-0.1%
6.2%	7	7	0	0.9%
7.4%	7	7	0	0.6%
8.6%	7	7	0	0.7%
9.9%	7	7	0	-0.6%
11.1%	7	7	0	-0.1%
12.3%	7	7	0	-0.8%
13.6%	6	6	0	0.0%
14.8%	6	6	0	0.5%
16.0%	6	6	0	1.3%
17.3%	6	6	0	1.3%
18.5%	6	6	0	0.8%
19.8%	6	6	0	1.4%
21.0%	6	6	0	2.8%
22.2%	6	6	0	1.8%
23.5%	6	6	0	0.9%
24.7%	6	6	0	1.1%
25.9%	6	6	0	1.7%
27.2%	6	6	0	-0.3%
28.4%	6	6	0	-0.6%
29.6%	6	6	0	0.7%
30.9%	6	6	0	-1.2%
32.1%	6	6	0	-1.6%
33.3%	6	6	0	-1.7%
34.6%	6	6	0	-2.6%
35.8%	6	6	0	0.0%
37.0%	5	6	0	2.0%
38.3%	5	6	0	1.5%
39.5%	5	6	0	3.8%
40.7%	5	6	0	5.3%
42.0%	5	5	0	4.4%
43.2%	5	5	0	4.1%
44.4%	5	5	0	3.5%
45.7%	5	5	0	2.6%
46.9%	5	5	0	3.3%
48.1%	5	5	0	2.1%
49.4%	5	5	0	3.8%
50.6%	5	5	0	2.5%
51.9%	5	5	0	2.5%
53.1%	5	5	0	0.5%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	2.1%
65.4%	5	5	0	0.9%
66.7%	5	5	0	1.8%
67.9%	5	5	0	0.1%
69.1%	5	5	0	0.0%
70.4%	5	5	0	1.7%
71.6%	5	5	0	1.8%
72.8%	5	5	0	2.2%
74.1%	5	5	0	2.4%
75.3%	5	5	0	3.2%
76.5%	5	5	0	3.2%
77.8%	4	5	0	4.3%
79.0%	4	5	0	4.4%
80.2%	4	5	0	4.9%
81.5%	4	5	0	4.4%
82.7%	4	4	0	0.1%
84.0%	4	4	0	2.0%
85.2%	4	4	0	2.4%
86.4%	4	4	0	-0.8%
87.7%	4	4	0	1.3%
88.9%	4	4	0	6.8%
90.1%	4	4	0	5.9%
91.4%	4	4	0	0.4%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	4	0	2.1%
100.0%	3	3	0	-0.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	1.4%
1.2%	12	12	0	0.9%
2.5%	12	12	0	-0.2%
3.7%	12	12	0	-0.2%
4.9%	11	11	0	0.0%
6.2%	11	11	0	2.3%
7.4%	9	9	0	0.2%
8.6%	9	9	0	-0.1%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	1	6.7%
13.6%	7	7	0	2.1%
14.8%	7	7	0	6.0%
16.0%	7	7	0	4.2%
17.3%	7	7	0	-0.3%
18.5%	6	6	0	6.3%
19.8%	6	6	0	5.5%
21.0%	6	6	0	5.2%
22.2%	6	6	0	4.5%
23.5%	5	6	0	6.3%
24.7%	5	5	0	1.9%
25.9%	5	5	0	2.8%
27.2%	5	5	0	2.5%
28.4%	5	5	0	2.4%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	1.9%
67.9%	5	5	0	2.8%
69.1%	5	5	0	1.7%
70.4%	5	5	0	2.5%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.4%
74.1%	5	5	0	4.5%
75.3%	5	5	0	4.9%
76.5%	4	5	0	5.9%
77.8%	4	5	0	5.5%
79.0%	4	5	0	5.8%
80.2%	4	5	0	5.1%
81.5%	4	4	0	0.1%
82.7%	4	4	0	2.0%
84.0%	4	4	0	2.4%
85.2%	4	4	0	-1.2%
86.4%	4	4	0	-4.1%
87.7%	4	4	0	3.9%
88.9%	4	4	0	5.9%
90.1%	4	4	0	0.4%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	-0.9%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	12	12	0	0.3%
4.9%	11	12	0	2.6%
6.2%	11	11	0	0.0%
7.4%	10	10	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.1%
11.1%	10	10	0	1.3%
12.3%	9	9	0	0.0%
13.6%	9	9	0	0.0%
14.8%	9	9	0	0.0%
16.0%	9	9	0	0.0%
17.3%	9	8	0	-0.3%
18.5%	8	8	0	-0.5%
19.8%	8	8	0	-0.8%
21.0%	8	8	0	0.3%
22.2%	8	8	0	0.1%
23.5%	8	8	0	0.0%
24.7%	7	7	0	0.8%
25.9%	7	7	0	3.3%
27.2%	7	7	0	0.5%
28.4%	7	7	0	-1.6%
29.6%	7	7	0	-2.2%
30.9%	7	7	0	-0.9%
32.1%	7	7	0	-0.1%
33.3%	6	6	0	1.8%
34.6%	6	6	0	2.0%
35.8%	6	6	0	1.1%
37.0%	6	6	0	7.5%
38.3%	6	6	0	4.3%
39.5%	6	6	0	2.0%
40.7%	5	6	0	3.1%
42.0%	5	6	0	3.4%
43.2%	5	6	0	4.7%
44.4%	5	5	0	6.6%
45.7%	5	5	0	4.9%
46.9%	5	5	0	5.3%
48.1%	5	5	0	1.7%
49.4%	5	5	0	1.4%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	5	5	0	1.1%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	1.4%
80.2%	5	5	0	1.7%
81.5%	5	5	0	0.0%
82.7%	4	5	0	2.2%
84.0%	4	5	0	2.2%
85.2%	4	4	0	1.8%
86.4%	4	4	0	2.0%
87.7%	4	4	0	-2.9%
88.9%	4	4	0	-2.3%
90.1%	4	4	0	0.1%
91.4%	4	4	0	5.7%
92.6%	4	4	0	2.5%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	12	12	0	-0.5%
2.5%	11	11	0	0.0%
3.7%	11	11	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	-0.2%
7.4%	11	11	0	0.6%
8.6%	11	11	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	3.0%
22.2%	9	9	0	0.0%
23.5%	9	8	0	-1.9%
24.7%	8	8	0	0.0%
25.9%	8	8	0	0.0%
27.2%	8	8	0	1.6%
28.4%	8	8	0	1.3%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	-0.5%
34.6%	7	7	0	-1.3%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-2.4%
38.3%	7	7	0	0.0%
39.5%	7	7	0	-2.1%
40.7%	7	7	0	-1.6%
42.0%	7	7	0	-1.4%
43.2%	7	7	0	-1.5%
44.4%	7	7	0	-2.4%
45.7%	7	6	0	-7.0%
46.9%	6	6	0	-0.9%
48.1%	6	6	0	-0.5%
49.4%	6	6	0	-0.5%
50.6%	6	6	0	0.4%
51.9%	6	6	0	1.7%
53.1%	5	6	0	5.0%
54.3%	5	5	0	0.8%
55.6%	5	5	0	0.0%
56.8%	5	5	0	1.8%
58.0%	5	5	0	8.4%
59.3%	5	5	0	7.6%
60.5%	5	5	0	7.0%
61.7%	5	5	0	0.9%
63.0%	5	5	0	0.1%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	1.1%
69.1%	5	5	0	3.7%
70.4%	4	5	0	4.5%
71.6%	4	5	0	1.2%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	1.3%
85.2%	4	4	0	0.3%
86.4%	4	4	0	2.4%
87.7%	4	4	0	2.3%
88.9%	4	4	0	2.9%
90.1%	4	4	0	4.5%
91.4%	4	4	0	5.1%
92.6%	4	4	0	-0.6%
93.8%	4	4	0	0.2%
95.1%	4	4	0	0.9%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	4	4	0	0.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	12	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	11	0	1.4%
3.7%	10	10	0	0.1%
4.9%	10	10	0	0.7%
6.2%	10	10	0	0.0%
7.4%	10	10	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	3.3%
11.1%	9	9	0	0.6%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	0.0%
18.5%	8	8	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	-0.1%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	0.0%
29.6%	7	7	0	0.0%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.0%
33.3%	6	6	0	-0.2%
34.6%	6	6	0	0.2%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.8%
43.2%	6	6	0	0.0%
44.4%	6	6	0	-0.1%
45.7%	6	6	0	0.1%
46.9%	6	6	0	0.0%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.6%
50.6%	5	5	0	1.6%
51.9%	5	5	0	3.0%
53.1%	5	5	0	4.7%
54.3%	5	5	0	1.3%
55.6%	5	5	0	0.2%
56.8%	5	5	0	0.4%
58.0%	5	5	0	1.8%
59.3%	5	5	0	0.4%
60.5%	5	5	0	0.5%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.2%
69.1%	5	5	0	0.0%
70.4%	5	4	0	-0.3%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	-0.2%
75.3%	4	4	0	0.0%
76.5%	4	4	0	2.2%
77.8%	4	4	0	1.8%
79.0%	4	4	0	1.0%
80.2%	4	4	0	1.3%
81.5%	4	4	0	1.0%
82.7%	4	4	0	2.2%
84.0%	4	4	0	1.7%
85.2%	4	4	0	2.0%
86.4%	4	4	0	2.5%
87.7%	4	4	0	1.5%
88.9%	4	4	0	1.3%
90.1%	4	4	0	1.6%
91.4%	4	4	0	1.0%
92.6%	4	4	0	0.8%
93.8%	4	4	0	0.7%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	9	9	0	0.0%
3.7%	9	9	0	0.0%
4.9%	9	9	0	0.0%
6.2%	8	8	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.2%
22.2%	7	7	0	-0.3%
23.5%	7	7	0	-1.1%
24.7%	7	7	0	-1.4%
25.9%	7	7	0	1.0%
27.2%	7	7	0	0.2%
28.4%	7	7	0	0.2%
29.6%	7	7	0	0.3%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.2%
33.3%	6	7	0	2.0%
34.6%	6	6	0	2.9%
35.8%	6	6	0	3.6%
37.0%	6	6	0	4.1%
38.3%	6	6	0	5.6%
39.5%	6	6	0	4.4%
40.7%	6	6	0	3.0%
42.0%	6	6	0	2.9%
43.2%	6	6	0	1.9%
44.4%	6	6	0	0.5%
45.7%	6	6	0	0.9%
46.9%	6	6	0	-0.1%
48.1%	6	6	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	-0.2%
53.1%	5	5	0	0.0%
54.3%	5	5	0	-1.4%
55.6%	5	5	0	-1.4%
56.8%	5	5	0	-0.5%
58.0%	5	5	0	-0.8%
59.3%	5	5	0	0.6%
60.5%	5	5	0	0.9%
61.7%	5	5	0	0.3%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.1%
67.9%	5	5	0	-0.4%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.3%
71.6%	4	5	0	3.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	0.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	1.3%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	1.3%
82.7%	4	4	0	0.0%
84.0%	4	4	0	2.2%
85.2%	4	4	0	-0.4%
86.4%	4	4	0	0.4%
87.7%	4	4	0	-0.7%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.3%
92.6%	4	4	0	1.8%
93.8%	4	4	0	2.6%
95.1%	4	4	0	1.7%
96.3%	4	4	0	4.5%
97.5%	4	4	0	2.2%
98.8%	4	4	0	0.0%
100.0%	3	3	0	8.6%

May

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	9	9	0	0.0%
9.9%	9	9	0	0.0%
11.1%	9	9	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	7	7	0	-0.1%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.1%
27.2%	7	7	0	-0.1%
28.4%	7	7	0	-0.2%
29.6%	7	7	0	0.0%
30.9%	6	6	0	0.2%
32.1%	6	6	0	0.2%
33.3%	6	6	0	0.0%
34.6%	6	6	0	1.5%
35.8%	6	6	0	1.2%
37.0%	6	6	0	1.0%
38.3%	6	6	0	1.5%
39.5%	6	6	0	0.9%
40.7%	6	6	0	0.0%
42.0%	6	6	0	0.0%
43.2%	6	6	0	0.1%
44.4%	6	6	0	0.8%
45.7%	6	6	0	0.1%
46.9%	6	6	0	3.1%
48.1%	6	6	0	2.3%
49.4%	6	6	0	0.6%
50.6%	6	6	0	1.9%
51.9%	5	6	0	1.9%
53.1%	5	5	0	0.9%
54.3%	5	5	0	1.6%
55.6%	5	5	0	1.6%
56.8%	5	5	0	1.3%
58.0%	5	5	0	4.0%
59.3%	5	5	0	1.2%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.2%
67.9%	4	5	0	0.4%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	0.0%
72.8%	4	4	0	0.0%
74.1%	4	4	0	1.3%
75.3%	4	4	0	1.1%
76.5%	4	4	0	2.1%
77.8%	4	4	0	2.1%
79.0%	4	4	0	2.3%
80.2%	4	4	0	2.4%
81.5%	4	4	0	2.9%
82.7%	4	4	0	3.0%
84.0%	4	4	0	3.5%
85.2%	4	4	0	3.8%
86.4%	4	4	0	4.2%
87.7%	4	4	0	3.7%
88.9%	4	4	0	4.1%
90.1%	4	4	0	3.6%
91.4%	4	4	0	4.4%
92.6%	4	4	0	4.0%
93.8%	4	4	0	3.5%
95.1%	4	4	0	3.0%
96.3%	4	4	0	4.5%
97.5%	4	4	0	2.3%
98.8%	4	4	0	0.0%
100.0%	3	3	0	12.3%

Table SW-58-9b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.0%
1.2%	10	10	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	-0.1%
18.5%	7	7	0	0.0%
19.8%	7	7	0	-1.9%
21.0%	7	7	0	-0.9%
22.2%	7	7	0	-0.4%
23.5%	7	7	0	-1.2%
24.7%	7	7	0	-1.2%
25.9%	7	7	0	-2.4%
27.2%	7	7	0	-3.9%
28.4%	7	7	0	0.0%
29.6%	6	6	0	0.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	-3.4%
34.6%	6	6	0	-0.8%
35.8%	6	6	0	-1.8%
37.0%	6	6	0	-1.6%
38.3%	6	6	0	-0.7%
39.5%	6	6	0	-0.6%
40.7%	6	6	0	-1.2%
42.0%	6	6	0	-1.5%
43.2%	6	6	0	-2.2%
44.4%	6	6	0	-3.8%
45.7%	6	6	0	-2.8%
46.9%	6	6	0	-2.3%
48.1%	6	5	0	-3.2%
49.4%	6	5	0	-3.8%
50.6%	6	5	0	-3.4%
51.9%	6	5	0	-5.4%
53.1%	6	5	0	-6.0%
54.3%	5	5	0	-6.1%
55.6%	5	5	0	-5.4%
56.8%	5	5	0	-5.7%
58.0%	5	5	0	-5.9%
59.3%	5	5	0	-5.2%
60.5%	5	5	0	-5.1%
61.7%	5	5	0	-5.1%
63.0%	5	5	0	-4.2%
64.2%	5	5	0	-3.6%
65.4%	5	5	0	-4.6%
66.7%	5	5	0	-4.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.0%
80.2%	5	5	0	0.4%
81.5%	5	5	0	0.5%
82.7%	5	5	0	-1.0%
84.0%	5	5	0	1.4%
85.2%	5	5	0	2.0%
86.4%	4	5	0	4.7%
87.7%	4	5	0	5.3%
88.9%	4	5	0	6.7%
90.1%	4	4	0	5.3%
91.4%	4	4	0	0.8%
92.6%	4	4	0	-0.8%
93.8%	4	4	0	0.6%
95.1%	4	4	0	0.5%
96.3%	4	4	0	-4.4%
97.5%	4	3	0	-8.8%
98.8%	3	3	0	-5.3%
100.0%	3	3	0	4.8%

July

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	-0.3%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	-1.2%
17.3%	7	7	0	-1.4%
18.5%	7	7	0	-1.7%
19.8%	7	7	0	-3.5%
21.0%	7	7	0	-3.9%
22.2%	7	7	0	-4.0%
23.5%	7	7	0	-4.9%
24.7%	7	7	0	-5.0%
25.9%	7	7	0	-5.1%
27.2%	7	7	0	-5.6%
28.4%	7	7	0	-6.4%
29.6%	7	7	0	-6.6%
30.9%	7	7	-1	-7.4%
32.1%	7	7	-1	-7.4%
33.3%	7	7	-1	-7.3%
34.6%	7	7	0	-6.4%
35.8%	7	6	0	-6.4%
37.0%	7	6	0	-6.3%
38.3%	7	6	0	-6.1%
39.5%	7	6	0	-6.4%
40.7%	7	6	0	-6.5%
42.0%	7	6	0	-6.3%
43.2%	7	6	0	-5.2%
44.4%	7	6	0	-4.5%
45.7%	7	6	0	-5.3%
46.9%	6	6	0	-4.5%
48.1%	6	6	0	-4.6%
49.4%	6	6	0	-6.2%
50.6%	6	6	0	-4.8%
51.9%	6	6	0	-4.6%
53.1%	6	6	0	-4.9%
54.3%	6	6	0	-5.4%
55.6%	6	6	0	-3.9%
56.8%	6	6	0	-4.2%
58.0%	6	6	0	-3.6%
59.3%	6	6	0	-3.0%
60.5%	6	6	0	-2.0%
61.7%	6	6	0	-3.4%
63.0%	6	6	0	-3.7%
64.2%	6	6	0	-3.0%
65.4%	6	6	0	-3.2%
66.7%	6	6	0	-3.0%
67.9%	6	6	0	-2.8%
69.1%	6	6	0	-2.6%
70.4%	6	6	0	-2.3%
71.6%	6	6	0	-2.4%
72.8%	6	6	0	-1.8%
74.1%	6	6	0	-2.0%
75.3%	6	6	0	-2.0%
76.5%	6	6	0	-1.4%
77.8%	6	5	0	-1.7%
79.0%	6	5	0	-2.2%
80.2%	5	5	0	-2.7%
81.5%	5	5	0	-1.8%
82.7%	5	5	0	-7.1%
84.0%	5	5	0	-3.1%
85.2%	5	5	0	-5.3%
86.4%	5	5	0	-5.0%
87.7%	5	5	0	-4.5%
88.9%	5	5	0	-3.6%
90.1%	5	5	0	-4.2%
91.4%	5	4	0	-3.5%
92.6%	5	4	0	-2.2%
93.8%	4	4	0	-1.8%
95.1%	4	4	0	8.2%
96.3%	4	4	0	9.7%
97.5%	4	4	0	0.2%
98.8%	3	3	0	2.7%
100.0%	3	3	0	3.8%

August

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-0.8%
2.5%	7	7	0	-0.1%
3.7%	7	7	0	-1.2%
4.9%	7	7	0	-0.4%
6.2%	7	7	0	-0.3%
7.4%	7	7	0	-0.4%
8.6%	7	6	0	-0.5%
9.9%	7	6	0	-0.4%
11.1%	7	6	0	-0.4%
12.3%	6	6	0	-0.9%
13.6%	6	6	0	-0.9%
14.8%	6	6	0	-1.4%
16.0%	6	6	0	-0.7%
17.3%	6	6	0	-0.9%
18.5%	6	6	0	0.4%
19.8%	6	6	0	-1.2%
21.0%	6	6	0	0.5%
22.2%	6	6	0	-1.3%
23.5%	6	6	0	-1.0%
24.7%	6	6	0	-0.9%
25.9%	6	6	0	-1.3%
27.2%	6	6	0	-1.0%
28.4%	6	6	0	-1.1%
29.6%	6	6	0	-0.8%
30.9%	6	6	0	-1.5%
32.1%	6	6	0	-1.5%
33.3%	6	6	0	0.7%
34.6%	6	6	0	1.3%
35.8%	6	6	0	1.2%
37.0%	6	6	0	0.8%
38.3%	6	6	0	-0.8%
39.5%	6	6	0	-0.1%
40.7%	6	6	0	1.0%
42.0%	6	6	0	1.0%
43.2%	6	6	0	0.6%
44.4%	6	6	0	0.2%
45.7%	6	6	0	0.5%
46.9%	5	6	0	0.5%
48.1%	5	6	0	1.5%
49.4%	5	6	0	1.5%
50.6%	5	6	0	2.5%
51.9%	5	5	0	2.0%
53.1%	5	5	0	1.6%
54.3%	5	5	0	1.3%
55.6%	5	5	0	1.4%
56.8%	5	5	0	0.1%
58.0%	5	5	0	-1.7%
59.3%	5	5	0	-2.3%
60.5%	5	5	0	-2.9%
61.7%	5	5	0	-3.1%
63.0%	5	5	0	-2.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.2%
66.7%	5	5	0	1.5%
67.9%	5	5	0	1.6%
69.1%	5	5	0	3.9%
70.4%	5	5	0	3.0%
71.6%	5	5	0	1.4%
72.8%	5	5	0	0.6%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	5	5	0	1.3%
79.0%	5	5	0	5.4%
80.2%	4	5	0	5.3%
81.5%	4	5	0	5.3%
82.7%	4	5	0	5.7%
84.0%	4	5	0	5.9%
85.2%	4	5	0	5.0%
86.4%	4	4	0	4.4%
87.7%	4	4	0	4.3%
88.9%	4	4	0	3.2%
90.1%	4	4	0	1.9%
91.4%	4	4	0	1.4%
92.6%	4	4	0	2.1%
93.8%	4	4	0	5.0%
95.1%	4	4	0	3.8%
96.3%	4	4	0	0.0%
97.5%	4	4	0	-1.3%
98.8%	4	4	0	-0.7%
100.0%	3	3	0	9.4%

September

Percent Exceedance Probability	No Action Alternative Monthly Stage (FT)	Alternative D Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-3.2%
2.5%	7	7	0	-4.2%
3.7%	7	7	0	-5.4%
4.9%	7	7	0	-5.9%
6.2%	7	7	0	-5.9%
7.4%	7	7	0	-5.6%
8.6%	7	7	0	-5.5%
9.9%	7	7	0	-5.5%
11.1%	7	7	0	-6.0%
12.3%	7	7	0	-5.8%
13.6%	7	7	0	-4.6%
14.8%	7	7	0	-4.4%
16.0%	7	7	0	-3.9%
17.3%	7	7	0	-3.5%
18.5%	7	6	0	-3.3%
19.8%	7	6	0	-3.3%
21.0%	7	6	0	-3.0%
22.2%	7	6	0	-2.8%
23.5%	7	6	0	-3.1%
24.7%	7	6	0	-2.8%
25.9%	7	6	0	-3.0%
27.2%	7	6	0	-2.3%
28.4%	6	6	0	-2.0%
29.6%	6	6	0	-1.8%
30.9%	6	6	0	-2.7%
32.1%	6	6	0	-4.3%
33.3%	6	6	0	-3.3%
34.6%	6	6	0	-2.4%
35.8%	6	6	0	-0.2%
37.0%	6	6	0	0.1%
38.3%	6	6	0	-0.4%
39.5%	6	6	0	-0.8%
40.7%	6	6	0	0.7%
42.0%	6	6	0	0.7%
43.2%	6	6	0	-0.3%
44.4%	6	6	0	1.0%
45.7%	5	6	0	1.5%
46.9%	5	6	0	0.8%
48.1%	5	5	0	0.2%
49.4%	5	5	0	3.0%
50.6%	5	5	0	2.8%
51.9%	5	5	0	2.3%
53.1%	5	5	0	2.1%
54.3%	5	5	0	1.9%
55.6%	5	5	0	1.5%
56.8%	5	5	0	-2.1%
58.0%	5	5	0	-2.3%
59.3%	5	5	0	-4.2%
60.5%	5	5	0	-6.0%
61.7%	5	5	0	-5.4%
63.0%	5	5	0	-4.3%
64.2%	5	5	0	-5.4%
65.4%	5	5	0	-5.2%
66.7%	5	5	0	-5.2%
67.9%	5	5	0	-4.3%
69.1%	5	5	0	-2.4%
70.4%	5	5	0	0.0%
71.6%	5	5	0	-0.1%
72.8%	5	5	0	-0.5%
74.1%	5	4	0	-3.0%
75.3%	5	4	0	-3.1%
76.5%	5	4	0	-2.8%
77.8%	5	4	0	-2.8%
79.0%	4	4	0	-0.2%
80.2%	4	4	0	-0.3%
81.5%	4	4	0	3.5%
82.7%	4	4	0	4.1%
84.0%	4	4	0	6.9%
85.2%	4	4	0	7.2%
86.4%	4	4	0	7.3%
87.7%	4	4	0	6.5%
88.9%	4	4	0	6.9%
90.1%	4	4	0	4.7%
91.4%	4	4	0	6.0%
92.6%	4	4	0	5.9%
93.8%	4	4	0	5.9%
95.1%	4	4	0	3.8%
96.3%	4	4	0	4.7%
97.5%	3	4	0	9.2%
98.8%	3	4	0	12.2%
100.0%	3	3	0	1.1%

Sacramento-San Joaquin Delta Operations

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table SQ-01-3a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	84	82	76	67	61	61	64	68	75	80	85	83
Alternative A	83	82	76	68	62	62	64	68	74	79	84	83
Difference	-1	0	0	1	1	1	0	0	0	-1	-1	-1
Percent Difference[3]	-0.7%	-0.2%	0.2%	1.1%	1.5%	1.3%	0.5%	0.1%	-0.5%	-1.5%	-1.4%	-1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	74	73	71	54	50	52	55	58	65	74	83	74
Alternative A	74	73	72	54	51	52	55	58	65	73	82	73
Difference	0	0	1	0	0	0	0	0	0	-1	-1	0
Percent Difference	0.2%	0.2%	0.8%	0.7%	0.5%	0.3%	0.1%	0.0%	-0.5%	-1.6%	-1.1%	-0.4%
Above Normal (15%)												
No Action Alternative	80	78	73	62	55	54	59	63	73	78	84	74
Alternative A	80	78	74	63	55	54	59	63	72	77	82	74
Difference	0	0	1	1	1	0	0	0	0	-1	-1	-1
Percent Difference	-0.2%	0.0%	1.0%	1.5%	1.3%	0.8%	0.3%	0.1%	-0.5%	-1.9%	-1.5%	-0.7%
Below Normal (17%)												
No Action Alternative	90	85	75	72	61	63	65	69	77	81	85	89
Alternative A	88	84	75	74	62	65	65	69	76	80	84	88
Difference	-2	-1	-1	2	1	1	1	0	-1	-1	-1	-2
Percent Difference	-1.8%	-1.4%	-1.1%	2.2%	1.7%	1.9%	0.8%	0.0%	-0.8%	-1.8%	-1.7%	-2.0%
Dry (22%)												
No Action Alternative	91	89	79	77	70	67	70	75	81	85	87	90
Alternative A	90	89	79	78	71	69	71	75	80	83	85	88
Difference	-1	0	0	1	1	2	1	0	0	-1	-2	-1
Percent Difference	-1.1%	-0.3%	0.2%	0.8%	1.5%	2.3%	1.0%	0.2%	-0.5%	-1.5%	-1.8%	-1.6%
Critical (15%)												
No Action Alternative	93	92	88	82	76	75	78	83	86	88	89	91
Alternative A	92	92	88	82	78	76	78	83	86	87	89	91
Difference	-1	0	0	1	2	1	0	0	0	-1	-1	0
Percent Difference	-0.9%	0.3%	-0.2%	0.8%	2.6%	1.3%	0.2%	0.2%	-0.1%	-0.6%	-0.6%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SQ-01-3b
X2, Monthly Position
Probability of Exceedance

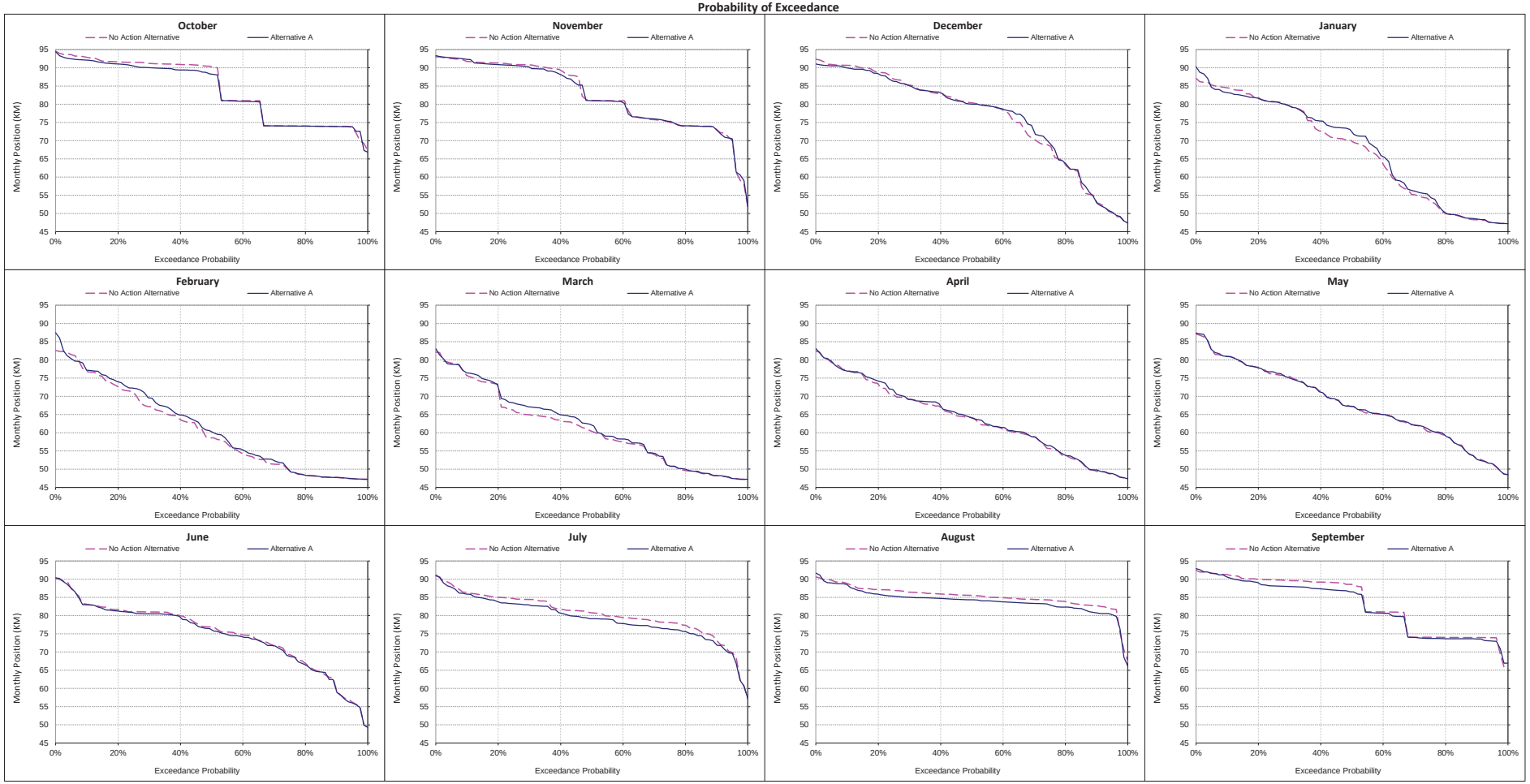


Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95	94	0	-0.2%
1.2%	94	93	-1	-0.7%
2.5%	94	93	-1	-0.9%
3.7%	94	93	-1	-1.1%
4.9%	94	92	-1	-1.2%
6.2%	93	92	-1	-1.0%
7.4%	93	92	-1	-1.0%
8.6%	93	92	-1	-1.0%
9.9%	93	92	-1	-0.9%
11.1%	93	92	-1	-0.7%
12.3%	93	92	-1	-0.9%
13.6%	92	92	-1	-0.7%
14.8%	92	92	0	-0.4%
16.0%	92	91	0	-0.5%
17.3%	92	91	-1	-0.6%
18.5%	92	91	-1	-0.6%
19.8%	92	91	-1	-0.7%
21.0%	92	91	-1	-0.6%
22.2%	92	91	-1	-0.7%
23.5%	92	91	-1	-0.9%
24.7%	92	91	-1	-1.1%
25.9%	92	90	-1	-1.3%
27.2%	92	90	-1	-1.5%
28.4%	91	90	-1	-1.4%
29.6%	91	90	-1	-1.3%
30.9%	91	90	-1	-1.3%
32.1%	91	90	-1	-1.2%
33.3%	91	90	-1	-1.3%
34.6%	91	90	-1	-1.3%
35.8%	91	90	-1	-1.3%
37.0%	91	90	-1	-1.3%
38.3%	91	89	-1	-1.6%
39.5%	91	89	-2	-1.7%
40.7%	91	89	-1	-1.6%
42.0%	91	89	-1	-1.6%
43.2%	91	89	-2	-1.7%
44.4%	91	89	-1	-1.6%
45.7%	91	89	-2	-1.7%
46.9%	91	89	-2	-1.9%
48.1%	90	89	-2	-1.9%
49.4%	90	88	-2	-2.3%
50.6%	90	88	-2	-2.2%
51.9%	90	88	-2	-2.2%
53.1%	81	81	0	-0.2%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	81	0	-0.2%
61.7%	81	81	0	-0.2%
63.0%	81	81	0	-0.2%
64.2%	81	81	0	-0.3%
65.4%	81	81	0	-0.4%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	-0.1%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	0.0%
88.9%	74	74	0	0.0%
90.1%	74	74	0	-0.1%
91.4%	74	74	0	-0.1%
92.6%	74	74	0	-0.1%
93.8%	74	74	0	-0.1%
95.1%	74	74	0	0.4%
96.3%	72	73	1	0.7%
97.5%	70	73	3	3.8%
98.8%	69	67	-2	-2.8%
100.0%	67	67	0	-0.6%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93	93	0	0.4%
1.2%	93	93	0	0.1%
2.5%	93	93	0	0.1%
3.7%	93	93	0	0.2%
4.9%	93	93	0	0.3%
6.2%	92	93	0	0.2%
7.4%	92	93	0	0.2%
8.6%	92	93	0	0.3%
9.9%	92	92	1	0.6%
11.1%	92	92	1	0.6%
12.3%	92	91	0	-0.2%
13.6%	91	91	0	-0.3%
14.8%	91	91	0	-0.3%
16.0%	91	91	0	-0.4%
17.3%	91	91	0	-0.4%
18.5%	91	91	0	-0.4%
19.8%	91	91	0	-0.4%
21.0%	91	91	0	-0.4%
22.2%	91	91	0	-0.4%
23.5%	91	91	0	-0.3%
24.7%	91	91	0	-0.4%
25.9%	91	91	0	-0.4%
27.2%	91	90	0	-0.4%
28.4%	91	90	0	-0.5%
29.6%	91	90	0	-0.5%
30.9%	91	90	-1	-1.1%
32.1%	91	90	-1	-0.8%
33.3%	90	90	-1	-0.7%
34.6%	90	90	-1	-0.6%
35.8%	90	89	-1	-1.0%
37.0%	90	89	-1	-0.8%
38.3%	90	89	-1	-1.0%
39.5%	90	88	-1	-1.3%
40.7%	89	88	-1	-1.2%
42.0%	88	87	-1	-1.1%
43.2%	88	87	-1	-1.1%
44.4%	88	86	-2	-2.1%
45.7%	88	85	-2	-2.6%
46.9%	82	85	3	3.7%
48.1%	81	81	0	-0.3%
49.4%	81	81	0	-0.1%
50.6%	81	81	0	0.0%
51.9%	81	81	0	0.0%
53.1%	81	81	0	-0.1%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.1%
56.8%	81	81	0	-0.2%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	80	-1	-0.9%
61.7%	78	77	-1	-1.2%
63.0%	77	77	0	0.0%
64.2%	77	76	0	-0.1%
65.4%	76	76	0	-0.1%
66.7%	76	76	0	0.0%
67.9%	76	76	0	0.2%
69.1%	76	76	0	0.2%
70.4%	76	76	0	0.3%
71.6%	76	76	0	0.3%
72.8%	76	76	0	0.1%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.4%
76.5%	75	75	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	72	72	0	-0.5%
92.6%	72	71	-1	-1.6%
93.8%	71	71	0	-0.3%
95.1%	70	71	0	0.7%
96.3%	61	61	0	0.3%
97.5%	59	61	1	2.4%
98.8%	58	59	1	1.8%
100.0%	52	52	0	0.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	91	-1	-1.4%
1.2%	92	91	-1	-1.4%
2.5%	92	91	-1	-1.1%
3.7%	91	91	0	-0.4%
4.9%	91	91	0	-0.4%
6.2%	91	91	0	-0.3%
7.4%	91	91	0	-0.2%
8.6%	91	90	0	-0.5%
9.9%	91	90	-1	-0.7%
11.1%	91	90	-1	-0.9%
12.3%	91	90	-1	-1.1%
13.6%	90	90	-1	-0.6%
14.8%	90	90	0	-0.4%
16.0%	90	89	-1	-0.6%
17.3%	90	89	-1	-0.7%
18.5%	89	89	-1	-0.7%
19.8%	89	89	0	-0.2%
21.0%	89	88	-1	-0.9%
22.2%	89	88	-1	-1.0%
23.5%	88	87	-1	-1.3%
24.7%	87	86	-1	-0.7%
25.9%	87	86	-1	-0.6%
27.2%	87	86	-1	-1.0%
28.4%	86	86	0	0.1%
29.6%	85	85	0	-0.1%
30.9%	85	85	0	-0.5%
32.1%	85	84	0	-0.5%
33.3%	84	84	0	0.0%
34.6%	84	84	0	0.0%
35.8%	84	84	0	-0.1%
37.0%	83	84	0	0.3%
38.3%	83	83	0	0.4%
39.5%	83	83	0	0.5%
40.7%	83	83	0	0.3%
42.0%	82	82	0	-0.5%
43.2%	82	81	-1	-0.7%
44.4%	81	81	0	-0.5%
45.7%	81	81	0	-0.3%
46.9%	81	81	0	0.0%
48.1%	81	80	-1	-0.6%
49.4%	80	80	0	-0.4%
50.6%	80	80	0	-0.4%
51.9%	80	80	0	-0.2%
53.1%	80	80	0	-0.4%
54.3%	80	80	0	0.1%
55.6%	80	80	0	-0.1%
56.8%	79	79	0	-0.1%
58.0%	79	79	0	-0.2%
59.3%	79	79	0	0.2%
60.5%	78	79	0	0.3%
61.7%	78	78	1	0.9%
63.0%	76	78	2	3.0%
64.2%	75	77	2	3.0%
65.4%	75	77	2	3.0%
66.7%	73	76	3	4.1%
67.9%	72	75	3	4.2%
69.1%	71	74	3	4.9%
70.4%	70	72	2	2.2%
71.6%	69	71	2	2.9%
72.8%	69	71	2	3.3%
74.1%	69	70	1	1.7%
75.3%	68	69	1	0.9%
76.5%	65	68	2	3.4%
77.8%	65	65	0	-0.4%
79.0%	65	65	0	-0.2%
80.2%	63	63	0	0.7%
81.5%	62	62	0	0.0%
82.7%	62	62	0	0.4%
84.0%	62	62	0	0.6%
85.2%	57	58	1	1.9%
86.4%	56	57	2	3.4%
87.7%	55	56	1	1.0%
88.9%	55	55	0	-0.6%
90.1%	53	53	0	-0.3%
91.4%	52	52	0	-0.7%
92.6%	52	52	0	-0.4%
93.8%	51	51	0	0.5%
95.1%	50	50	0	0.2%
96.3%	49	49	0	0.6%
97.5%	49	49	0	0.2%
98.8%	48	48	0	0.4%
100.0%	47	47	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	90	3	3.7%
1.2%	86	89	3	3.0%
2.5%	86	88	2	2.6%
3.7%	86	87	1	1.3%
4.9%	85	85	-1	-0.6%
6.2%	85	84	-1	-1.1%
7.4%	85	84	-1	-0.9%
8.6%	85	83	-1	-1.6%
9.9%	85	83	-1	-1.5%
11.1%	84	83	-1	-1.5%
12.3%	84	83	-1	-1.5%
13.6%	84	83	-1	-1.4%
14.8%	84	82	-1	-1.7%
16.0%	83	82	-1	-0.8%
17.3%	83	82	-1	-1.1%
18.5%	82	82	0	-0.2%
19.8%	82	82	0	-0.2%
21.0%	81	81	0	0.1%
22.2%	81	81	0	0.1%
23.5%	81	81	0	-0.2%
24.7%	81	81	0	-0.2%
25.9%	81	81	0	0.0%
27.2%	81	80	0	-0.4%
28.4%	80	80	0	-0.1%
29.6%	80	80	0	-0.1%
30.9%	79	79	0	0.0%
32.1%	79	79	0	0.0%
33.3%	79	78	0	-0.3%
34.6%	78	78	0	-0.3%
35.8%	76	76	1	1.2%
37.0%	75	76	1	1.1%
38.3%	73	76	2	3.1%
39.5%	73	75	3	3.7%
40.7%	73	75	3	3.9%
42.0%	72	74	3	3.6%
43.2%	71	74	3	4.2%
44.4%	71	74	3	4.1%
45.7%	71	74	3	4.2%
46.9%	71	73	3	4.2%
48.1%	70	73	3	4.6%
49.4%	70	73	3	4.1%
50.6%	69	72	2	3.2%
51.9%	69	71	2	3.1%
53.1%	69	71	2	3.5%
54.3%	68	71	3	4.2%
55.6%	67	69	2	3.6%
56.8%	67	69	2	2.8%
58.0%	66	68	2	2.8%
59.3%	65	66	1	1.9%
60.5%	63	65	3	4.1%
61.7%	62	64	3	4.5%
63.0%	60	61	1	1.4%
64.2%	59	59	0	0.3%
65.4%	58	59	1	2.4%
66.7%	57	58	2	2.7%
67.9%	57	57	0	0.1%
69.1%	55	56	1	1.9%
70.4%	55	56	1	1.8%
71.6%	55	56	1	1.9%
72.8%	54	56	1	2.1%
74.1%	54	55	1	2.2%
75.3%	53	54	1	2.0%
76.5%	53	54	1	2.0%
77.8%	52	52	1	1.0%
79.0%	50	51	0	0.8%
80.2%	50	50	0	0.1%
81.5%	50	50	0	0.1%
82.7%	50	50	0	0.2%
84.0%	49	50	0	0.3%
85.2%	49	49	0	0.4%
86.4%	49	49	0	-0.1%
87.7%	48	49	0	0.4%
88.9%	48	49	0	0.7%
90.1%	48	48	0	0.4%
91.4%	48	48	0	0.3%
92.6%	48	48	0	0.3%
93.8%	48	48	0	-0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	83	87	5	5.9%
1.2%	82	86	4	4.5%
2.5%	82	83	0	0.3%
3.7%	82	81	-1	-1.2%
4.9%	81	80	-1	-1.4%
6.2%	81	80	-2	-1.9%
7.4%	80	80	0	-0.2%
8.6%	78	79	1	1.9%
9.9%	77	77	0	0.4%
11.1%	77	77	0	0.6%
12.3%	77	77	0	0.4%
13.6%	76	77	1	1.4%
14.8%	75	76	0	0.6%
16.0%	74	76	1	2.0%
17.3%	74	75	1	1.3%
18.5%	73	75	1	1.8%
19.8%	73	74	1	1.7%
21.0%	72	74	2	2.6%
22.2%	72	73	1	1.8%
23.5%	71	72	1	1.2%
24.7%	71	72	1	1.4%
25.9%	70	72	2	2.9%
27.2%	68	72	3	5.1%
28.4%	67	71	4	5.3%
29.6%	67	70	2	3.7%
30.9%	67	69	2	3.4%
32.1%	66	68	2	2.8%
33.3%	66	68	1	2.2%
34.6%	66	67	2	2.6%
35.8%	65	67	2	3.0%
37.0%	65	66	2	2.4%
38.3%	65	65	1	1.0%
39.5%	64	65	1	1.7%
40.7%	63	65	2	2.5%
42.0%	63	64	2	2.5%
43.2%	63	64	1	1.8%
44.4%	63	63	1	1.0%
45.7%	61	63	2	3.2%
46.9%	61	61	0	0.8%
48.1%	59	61	2	3.2%
49.4%	59	61	2	3.4%
50.6%	59	60	1	2.4%
51.9%	58	60	1	2.4%
53.1%	58	59	1	2.5%
54.3%	58	59	1	1.8%
55.6%	56	57	1	1.5%
56.8%	55	56	0	0.8%
58.0%	55	56	0	0.8%
59.3%	55	56	1	1.8%
60.5%	54	55	1	2.1%
61.7%	54	54	1	1.4%
63.0%	53	54	1	1.4%
64.2%	53	54	1	2.0%
65.4%	53	54	1	1.7%
66.7%	53	53	0	0.3%
67.9%	51	53	1	2.5%
69.1%	51	53	1	2.5%
70.4%	51	52	1	1.6%
71.6%	51	52	1	1.0%
72.8%	51	52	0	1.0%
74.1%	50	50	0	0.3%
75.3%	49	49	0	-0.1%
76.5%	49	49	0	0.0%
77.8%	49	49	0	0.2%
79.0%	49	49	0	0.0%
80.2%	48	48	0	0.1%
81.5%	48	48	0	0.1%
82.7%	48	48	0	0.2%
84.0%	48	48	0	0.1%
85.2%	48	48	0	0.1%
86.4%	48	48	0	0.1%
87.7%	48	48	0	0.1%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.2%
93.8%	47	47	0	0.0%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	1.1%
1.2%	82	81	-1	-0.8%
2.5%	80	80	1	0.8%
3.7%	79	79	0	-0.6%
4.9%	79	79	0	-0.4%
6.2%	79	79	0	-0.4%
7.4%	79	79	0	0.3%
8.6%	77	77	0	0.0%
9.9%	76	76	1	1.0%
11.1%	75	76	1	1.4%
12.3%	75	76	1	1.5%
13.6%	74	76	1	1.8%
14.8%	74	75	1	1.2%
16.0%	74	75	1	0.9%
17.3%	74	74	1	0.7%
18.5%	74	74	0	0.4%
19.8%	73	73	0	-0.2%
21.0%	67	69	2	3.6%
22.2%	67	69	2	3.3%
23.5%	66	68	2	3.1%
24.7%	66	68	2	3.0%
25.9%	66	68	2	3.6%
27.2%	65	68	2	3.5%
28.4%	65	67	2	3.7%
29.6%	65	67	2	3.3%
30.9%	65	67	2	3.5%
32.1%	65	67	2	3.3%
33.3%	65	67	2	3.5%
34.6%	64	67	2	3.2%
35.8%	64	66	2	3.2%
37.0%	64	66	2	3.4%
38.3%	64	66	2	3.1%
39.5%	63	65	2	2.5%
40.7%	63	65	2	2.8%
42.0%	63	65	2	2.8%
43.2%	63	64	1	2.3%
44.4%	62	64	2	3.2%
45.7%	62	64	2	2.7%
46.9%	61	63	1	2.1%
48.1%	61	63	1	2.3%
49.4%	61	62	2	2.8%
50.6%	60	62	2	2.7%
51.9%	60	60	0	0.5%
53.1%	60	60	0	0.1%
54.3%	58	59	1	1.2%
55.6%	58	59	1	1.5%
56.8%	58	59	1	1.6%
58.0%	58	58	1	1.1%
59.3%	58	58	1	1.3%
60.5%	57	58	1	1.6%
61.7%	57	58	1	1.7%
63.0%	57	57	0	0.5%
64.2%	57	57	0	0.7%
65.4%	57	57	0	0.8%
66.7%	56	57	0	0.8%
67.9%	54	55	0	0.1%
69.1%	54	55	0	0.3%
70.4%	54	54	0	0.7%
71.6%	53	54	0	0.8%
72.8%	53	54	1	1.0%
74.1%	51	51	0	0.6%
75.3%	51	51	0	0.0%
76.5%	51	51	0	0.0%
77.8%	50	50	0	0.0%
79.0%	50	50	0	0.7%
80.2%	50	50	0	0.8%
81.5%	50	49	0	-0.2%
82.7%	49	49	0	-0.1%
84.0%	49	49	0	0.5%
85.2%	49	49	0	0.2%
86.4%	49	49	0	0.5%
87.7%	49	49	0	0.5%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.3%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	0.8%
1.2%	82	82	0	-0.3%
2.5%	80	81	0	0.2%
3.7%	80	80	0	0.1%
4.9%	79	80	0	0.4%
6.2%	79	79	0	-0.5%
7.4%	78	78	-1	-0.7%
8.6%	77	77	0	-0.2%
9.9%	77	77	0	-0.5%
11.1%	77	77	0	0.0%
12.3%	77	77	0	-0.4%
13.6%	77	76	0	-0.4%
14.8%	76	76	0	0.4%
16.0%	75	75	1	1.0%
17.3%	74	75	1	1.0%
18.5%	74	75	1	1.3%
19.8%	74	74	1	0.9%
21.0%	72	74	2	2.4%
22.2%	72	74	1	2.0%
23.5%	71	72	1	1.8%
24.7%	71	72	1	2.0%
25.9%	70	71	1	1.0%
27.2%	70	70	1	0.7%
28.4%	70	70	0	0.5%
29.6%	69	69	0	0.0%
30.9%	69	69	0	0.1%
32.1%	69	69	0	-0.3%
33.3%	68	69	0	0.3%
34.6%	68	69	1	1.0%
35.8%	68	69	1	1.0%
37.0%	68	68	1	1.1%
38.3%	67	68	1	1.6%
39.5%	67	68	1	1.0%
40.7%	66	66	0	0.4%
42.0%	66	66	0	0.5%
43.2%	66	66	0	0.6%
44.4%	65	66	1	1.5%
45.7%	65	65	1	0.8%
46.9%	64	65	1	0.8%
48.1%	64	65	0	0.6%
49.4%	64	64	0	0.1%
50.6%	64	64	0	-0.3%
51.9%	63	64	1	1.0%
53.1%	62	63	1	2.0%
54.3%	62	62	0	0.5%
55.6%	62	62	0	0.6%
56.8%	62	62	0	0.1%
58.0%	62	62	0	0.0%
59.3%	61	61	0	0.4%
60.5%	61	61	1	1.1%
61.7%	61	61	0	0.2%
63.0%	60	61	0	0.5%
64.2%	60	60	0	0.6%
65.4%	60	60	0	0.6%
66.7%	60	60	0	0.8%
67.9%	59	60	0	0.2%
69.1%	59	59	0	-0.2%
70.4%	59	59	0	0.1%
71.6%	58	58	0	-0.1%
72.8%	57	57	0	0.2%
74.1%	56	57	1	1.4%
75.3%	56	56	1	1.4%
76.5%	55	56	0	0.7%
77.8%	55	55	0	0.0%
79.0%	54	54	0	0.9%
80.2%	54	54	0	0.0%
81.5%	53	54	1	1.0%
82.7%	53	53	0	0.8%
84.0%	53	53	0	-0.1%
85.2%	52	52	0	0.3%
86.4%	51	51	0	0.2%
87.7%	50	50	0	0.1%
88.9%	50	50	0	0.0%
90.1%	49	50	0	0.7%
91.4%	49	49	0	0.1%
92.6%	49	49	0	0.1%
93.8%	49	49	0	0.1%
95.1%	49	49	0	0.2%
96.3%	48	48	0	0.0%
97.5%	48	48	0	0.0%
98.8%	48	48	0	0.0%
100.0%	47	47	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	87	0	0.2%
1.2%	87	87	0	0.4%
2.5%	86	87	1	0.7%
3.7%	85	85	0	-0.1%
4.9%	83	83	0	0.1%
6.2%	81	82	1	0.6%
7.4%	81	82	0	0.3%
8.6%	81	81	0	0.1%
9.9%	81	81	0	0.0%
11.1%	81	81	0	0.1%
12.3%	81	80	0	-0.1%
13.6%	80	80	0	0.3%
14.8%	79	79	0	0.0%
16.0%	79	78	0	-0.2%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	0.0%
19.8%	78	78	0	-0.2%
21.0%	77	78	0	0.3%
22.2%	77	77	0	-0.5%
23.5%	76	77	1	0.7%
24.7%	76	77	1	0.9%
25.9%	76	76	0	0.4%
27.2%	76	76	0	0.6%
28.4%	76	75	0	-0.3%
29.6%	76	75	-1	-0.7%
30.9%	75	75	0	-0.3%
32.1%	75	74	0	-0.4%
33.3%	74	74	0	-0.6%
34.6%	74	74	0	0.0%
35.8%	73	73	0	0.2%
37.0%	73	73	0	-0.1%
38.3%	72	72	0	0.0%
39.5%	72	71	0	-0.3%
40.7%	71	71	0	-0.1%
42.0%	70	70	0	-0.1%
43.2%	69	69	0	0.0%
44.4%	69	69	0	0.4%
45.7%	69	69	0	-0.3%
46.9%	68	68	0	-0.1%
48.1%	68	67	0	-0.5%
49.4%	67	67	0	-0.1%
50.6%	67	67	0	-0.1%
51.9%	66	66	0	0.1%
53.1%	66	66	0	0.4%
54.3%	65	66	1	1.2%
55.6%	65	66	0	0.4%
56.8%	65	65	0	0.0%
58.0%	65	65	0	0.2%
59.3%	65	65	0	0.0%
60.5%	65	65	0	0.1%
61.7%	65	65	0	-0.4%
63.0%	64	64	0	0.2%
64.2%	64	64	0	0.0%
65.4%	63	63	0	0.3%
66.7%	63	63	0	0.3%
67.9%	63	63	0	0.5%
69.1%	62	62	0	0.1%
70.4%	62	62	0	-0.2%
71.6%	62	62	0	0.3%
72.8%	61	62	0	0.6%
74.1%	60	61	1	1.3%
75.3%	60	61	0	0.7%
76.5%	60	60	0	0.1%
77.8%	60	60	0	0.5%
79.0%	59	60	0	0.8%
80.2%	59	59	0	-0.3%
81.5%	58	59	0	0.1%
82.7%	57	57	0	0.0%
84.0%	57	57	0	0.1%
85.2%	57	56	0	-0.6%
86.4%	55	55	0	-0.1%
87.7%	54	54	0	0.1%
88.9%	54	54	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	52	0	-0.5%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.1%
95.1%	51	51	0	0.1%
96.3%	51	51	0	0.0%
97.5%	49	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	48	49	0	0.1%

Table SQ-01-3b

X2, Monthly Position

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	90	90	0	0.3%
1.2%	90	90	0	0.3%
2.5%	89	89	0	-0.1%
3.7%	89	89	-1	-1.0%
4.9%	87	88	0	0.2%
6.2%	86	87	0	0.2%
7.4%	85	85	0	-0.6%
8.6%	83	83	0	-0.4%
9.9%	83	83	0	-0.2%
11.1%	83	83	0	-0.1%
12.3%	83	83	0	-0.1%
13.6%	83	82	0	-0.3%
14.8%	82	82	0	-0.3%
16.0%	82	82	-1	-0.9%
17.3%	82	81	0	-0.4%
18.5%	82	81	0	-0.4%
19.8%	82	81	0	-0.4%
21.0%	82	81	0	-0.6%
22.2%	81	81	0	-0.4%
23.5%	81	81	0	-0.2%
24.7%	81	81	0	-0.3%
25.9%	81	81	0	-0.6%
27.2%	81	81	0	-0.6%
28.4%	81	81	-1	-0.6%
29.6%	81	80	-1	-0.6%
30.9%	81	80	-1	-0.6%
32.1%	81	80	-1	-0.6%
33.3%	81	80	0	-0.6%
34.6%	81	80	-1	-0.6%
35.8%	81	80	-1	-0.7%
37.0%	80	80	0	-0.3%
38.3%	80	80	0	-0.5%
39.5%	80	80	0	-0.3%
40.7%	80	79	-1	-1.2%
42.0%	79	79	0	-0.6%
43.2%	79	78	-1	-1.1%
44.4%	78	78	0	-0.4%
45.7%	78	77	-1	-0.8%
46.9%	77	77	0	-0.5%
48.1%	77	76	0	-0.6%
49.4%	77	76	0	-0.6%
50.6%	77	76	-1	-1.4%
51.9%	76	76	0	-0.6%
53.1%	76	75	0	-0.4%
54.3%	75	75	0	-0.6%
55.6%	75	75	-1	-1.1%
56.8%	75	74	-1	-1.2%
58.0%	75	74	0	-0.7%
59.3%	75	74	-1	-0.7%
60.5%	75	74	-1	-0.9%
61.7%	75	74	-1	-0.9%
63.0%	74	74	-1	-1.2%
64.2%	73	73	0	0.0%
65.4%	73	73	0	-0.1%
66.7%	73	73	0	-0.6%
67.9%	73	72	-1	-1.1%
69.1%	72	72	0	-0.3%
70.4%	72	72	0	-0.1%
71.6%	72	71	-1	-0.7%
72.8%	71	70	-1	-0.9%
74.1%	69	69	0	-0.5%
75.3%	69	69	0	-0.6%
76.5%	69	69	0	-0.1%
77.8%	68	67	-1	-0.8%
79.0%	68	67	-1	-1.0%
80.2%	67	66	0	-0.6%
81.5%	66	66	0	-0.3%
82.7%	65	65	0	-0.6%
84.0%	65	65	0	-0.1%
85.2%	65	65	0	0.0%
86.4%	64	64	1	1.1%
87.7%	63	62	-1	-1.0%
88.9%	63	62	0	-0.7%
90.1%	59	59	0	-0.4%
91.4%	58	58	0	-0.1%
92.6%	57	57	0	-0.4%
93.8%	57	56	-1	-1.2%
95.1%	56	56	0	-0.5%
96.3%	56	56	0	-0.2%
97.5%	55	55	0	-0.4%
98.8%	50	50	0	0.1%
100.0%	49	49	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	91	0	0.2%
1.2%	91	90	0	-0.2%
2.5%	89	89	0	-0.4%
3.7%	89	88	-1	-1.2%
4.9%	89	88	-1	-0.9%
6.2%	88	87	-1	-0.6%
7.4%	87	86	-1	-1.2%
8.6%	86	86	0	-0.4%
9.9%	86	86	0	-0.5%
11.1%	86	86	0	-0.3%
12.3%	86	85	-1	-0.9%
13.6%	86	85	-1	-1.0%
14.8%	86	85	-1	-1.0%
16.0%	86	85	-1	-1.0%
17.3%	85	84	-1	-1.1%
18.5%	85	84	-1	-1.0%
19.8%	85	84	-1	-1.4%
21.0%	85	84	-1	-1.7%
22.2%	85	83	-1	-1.7%
23.5%	85	83	-1	-1.7%
24.7%	85	83	-1	-1.7%
25.9%	85	83	-1	-1.5%
27.2%	85	83	-1	-1.6%
28.4%	84	83	-1	-1.7%
29.6%	84	83	-1	-1.7%
30.9%	84	83	-2	-2.0%
32.1%	84	83	-2	-1.9%
33.3%	84	83	-1	-1.7%
34.6%	84	83	-1	-1.7%
35.8%	84	83	-1	-1.6%
37.0%	82	82	-1	-0.8%
38.3%	82	82	0	-0.4%
39.5%	82	81	-1	-1.2%
40.7%	82	81	-1	-1.4%
42.0%	81	80	-1	-1.5%
43.2%	81	80	-2	-1.8%
44.4%	81	80	-2	-1.9%
45.7%	81	80	-2	-2.0%
46.9%	81	79	-2	-2.1%
48.1%	81	79	-2	-2.2%
49.4%	81	79	-2	-2.0%
50.6%	81	79	-2	-2.0%
51.9%	81	79	-2	-1.9%
53.1%	81	79	-2	-1.9%
54.3%	80	79	-1	-1.1%
55.6%	80	79	-1	-1.1%
56.8%	80	79	-1	-1.2%
58.0%	80	78	-2	-2.3%
59.3%	80	78	-2	-2.1%
60.5%	79	78	-2	-2.0%
61.7%	79	78	-2	-2.3%
63.0%	79	77	-2	-2.3%
64.2%	79	77	-2	-2.3%
65.4%	79	77	-2	-2.2%
66.7%	79	77	-2	-2.1%
67.9%	79	77	-2	-2.1%
69.1%	79	77	-2	-2.2%
70.4%	79	77	-2	-2.3%
71.6%	78	77	-2	-2.0%
72.8%	78	76	-2	-2.3%
74.1%	78	76	-2	-2.1%
75.3%	78	76	-2	-2.4%
76.5%	78	76	-2	-2.3%
77.8%	78	76	-2	-2.4%
79.0%	77	76	-2	-2.3%
80.2%	77	76	-2	-2.2%
81.5%	77	75	-2	-2.0%
82.7%	77	75	-2	-2.1%
84.0%	76	75	-2	-2.2%
85.2%	75	74	-1	-1.3%
86.4%	75	73	-2	-2.1%
87.7%	75	73	-2	-2.1%
88.9%	74	73	-1	-1.8%
90.1%	73	72	-1	-1.6%
91.4%	72	72	0	-0.2%
92.6%	72	71	-1	-1.6%
93.8%	70	70	0	-0.6%
95.1%	70	70	0	-0.2%
96.3%	68	67	-2	-2.2%
97.5%	62	62	0	-0.2%
98.8%	61	61	0	0.0%
100.0%	57	57	0	0.1%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	92	1	1.1%
1.2%	90	91	1	0.9%
2.5%	90	90	0	-0.5%
3.7%	90	89	-1	-0.9%
4.9%	90	89	-1	-0.9%
6.2%	89	89	0	-0.5%
7.4%	89	89	0	-0.5%
8.6%	89	89	0	-0.4%
9.9%	89	89	0	-0.4%
11.1%	88	88	-1	-0.9%
12.3%	88	87	-1	-0.9%
13.6%	87	87	-1	-0.6%
14.8%	87	87	-1	-0.7%
16.0%	87	86	-1	-1.3%
17.3%	87	86	-1	-1.4%
18.5%	87	86	-1	-1.3%
19.8%	87	86	-1	-1.4%
21.0%	87	86	-1	-1.7%
22.2%	87	86	-2	-1.8%
23.5%	87	85	-2	-1.9%
24.7%	87	85	-2	-1.8%
25.9%	87	85	-2	-1.9%
27.2%	87	85	-2	-1.9%
28.4%	87	85	-2	-1.8%
29.6%	86	85	-1	-1.6%
30.9%	86	85	-1	-1.7%
32.1%	86	85	-1	-1.7%
33.3%	86	85	-1	-1.7%
34.6%	86	85	-1	-1.6%
35.8%	86	85	-1	-1.4%
37.0%	86	85	-1	-1.4%
38.3%	86	85	-1	-1.4%
39.5%	86	85	-1	-1.4%
40.7%	86	85	-1	-1.5%
42.0%	86	85	-1	-1.4%
43.2%	86	85	-1	-1.5%
44.4%	86	85	-1	-1.4%
45.7%	86	84	-1	-1.4%
46.9%	86	84	-1	-1.4%
48.1%	86	84	-1	-1.4%
49.4%	86	84	-1	-1.4%
50.6%	86	84	-1	-1.4%
51.9%	85	84	-1	-1.4%
53.1%	85	84	-1	-1.6%
54.3%	85	84	-1	-1.4%
55.6%	85	84	-1	-1.2%
56.8%	85	84	-1	-1.2%
58.0%	85	84	-1	-1.2%
59.3%	85	84	-1	-1.3%
60.5%	85	84	-1	-1.4%
61.7%	85	84	-1	-1.3%
63.0%	85	84	-1	-1.4%
64.2%	85	84	-1	-1.3%
65.4%	85	84	-1	-1.2%
66.7%	85	84	-1	-1.2%
67.9%	85	83	-1	-1.3%
69.1%	84	83	-1	-1.4%
70.4%	84	83	-1	-1.3%
71.6%	84	83	-1	-1.3%
72.8%	84	83	-1	-1.3%
74.1%	84	83	-1	-1.3%
75.3%	84	83	-1	-1.7%
76.5%	84	83	-2	-1.8%
77.8%	84	82	-2	-1.9%
79.0%	84	82	-2	-1.9%
80.2%	84	82	-2	-1.8%
81.5%	84	82	-1	-1.5%
82.7%	83	82	-1	-1.4%
84.0%	83	82	-1	-1.4%
85.2%	83	82	-1	-1.3%
86.4%	83	81	-1	-1.7%
87.7%	83	81	-2	-2.2%
88.9%	83	81	-2	-2.3%
90.1%	83	81	-2	-2.3%
91.4%	83	81	-2	-2.4%
92.6%	82	81	-2	-2.2%
93.8%	82	81	-1	-1.7%
95.1%	82	80	-2	-2.0%
96.3%	82	80	-2	-2.4%
97.5%	75	76	1	1.6%
98.8%	70	69	-2	-2.7%
100.0%	67	66	-1	-1.9%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative A Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	93	0	0.5%
1.2%	92	93	1	0.7%
2.5%	92	92	0	0.1%
3.7%	92	92	0	0.0%
4.9%	92	92	0	-0.1%
6.2%	92	92	0	0.0%
7.4%	91	91	0	-0.2%
8.6%	91	91	0	-0.2%
9.9%	91	91	-1	-0.7%
11.1%	91	90	-1	-0.8%
12.3%	91	90	-1	-1.0%
13.6%	91	90	-1	-1.1%
14.8%	90	90	-1	-0.7%
16.0%	90	89	-1	-0.7%
17.3%	90	89	-1	-0.7%
18.5%	90	89	-1	-0.9%
19.8%	90	89	-1	-1.0%
21.0%	90	88	-1	-1.6%
22.2%	90	88	-1	-1.6%
23.5%	90	88	-2	-1.8%
24.7%	90	88	-2	-1.8%
25.9%	90	88	-2	-1.9%
27.2%	90	88	-2	-1.9%
28.4%	90	88	-2	-1.9%
29.6%	90	88	-2	-1.9%
30.9%	90	88	-2	-1.8%
32.1%	90	88	-2	-1.8%
33.3%	90	88	-2	-1.9%
34.6%	89	88	-2	-1.8%
35.8%	89	88	-2	-1.8%
37.0%	89	87	-2	-2.0%
38.3%	89	87	-2	-2.0%
39.5%	89	87	-2	-2.0%
40.7%	89	87	-2	-2.2%
42.0%	89	87	-2	-2.3%
43.2%	89	87	-2	-2.3%
44.4%	89	87	-2	-2.3%
45.7%	89	87	-2	-2.4%
46.9%	89	87	-2	-2.4%
48.1%	89	87	-2	-2.0%
49.4%	89	87	-2	-2.3%
50.6%	89	86	-2	-2.3%
51.9%	88	86	-2	-2.4%
53.1%	88	86	-2	-2.3%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.3%
56.8%	81	81	0	-0.3%
58.0%	81	81	0	-0.4%
59.3%	81	81	0	-0.4%
60.5%	81	81	0	-0.4%
61.7%	81	81	0	-0.4%
63.0%	81	80	-1	-1.3%
64.2%	81	80	-1	-1.5%
65.4%	81	80	-1	-1.4%
66.7%	81	80	-1	-1.5%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.2%
72.8%	74	74	0	-0.4%
74.1%	74	74	0	-0.4%
75.3%	74	74	0	-0.4%
76.5%	74	74	0	-0.4%
77.8%	74	74	0	-0.4%
79.0%	74	74	0	-0.5%
80.2%	74	74	0	-0.5%
81.5%	74	74	0	-0.5%
82.7%	74	74	0	-0.5%
84.0%	74	74	0	-0.5%
85.2%	74	74	0	-0.5%
86.4%	74	74	0	-0.5%
87.7%	74	74	0	-0.5%
88.9%	74	74	0	-0.5%
90.1%	74	74	0	-0.5%
91.4%	74	74	0	-0.5%
92.6%	74	73	-1	-1.1%
93.8%	74	73	-1	-1.2%
95.1%	74	73	-1	-1.2%
96.3%	74	73	-1	-1.3%
97.5%	69	71	1	2.0%
98.8%	66	67	1	1.7%
100.0%	66	67	1	1.7%

Table SW-30-3a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,090	15,637	23,085	31,464	36,638	32,437	23,161	18,934	16,432	19,394	15,017	17,468
Alternative A	11,783	16,342	22,688	30,467	35,571	31,345	22,949	18,942	16,919	20,509	15,842	18,517
Difference	693	705	-397	-997	-1,067	-1,092	-212	8	487	1,115	825	1,049
Percent Difference[3]	6.3%	4.5%	-1.7%	-3.2%	-2.9%	-3.4%	-0.9%	0.0%	3.0%	5.7%	5.5%	6.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,254	20,448	25,546	50,572	56,773	49,415	37,942	31,711	23,757	19,905	15,936	27,532
Alternative A	14,555	20,946	24,847	50,012	56,013	49,156	37,799	31,752	24,451	20,944	16,137	28,334
Difference	1,301	498	-700	-560	-760	-259	-143	42	694	1,038	201	803
Percent Difference	9.8%	2.4%	-2.7%	-1.1%	-1.3%	-0.5%	-0.4%	0.1%	2.9%	5.2%	1.3%	2.9%
Above Normal (15%)												
No Action Alternative	11,852	17,371	24,240	38,344	44,715	43,864	25,957	20,686	16,426	21,849	16,444	20,562
Alternative A	12,472	18,578	22,975	36,624	43,234	43,158	25,575	20,604	16,836	23,410	16,606	21,312
Difference	620	1,207	-1,264	-1,719	-1,480	-706	-382	-82	409	1,561	161	750
Percent Difference	5.2%	6.9%	-5.2%	-4.5%	-3.3%	-1.6%	-1.5%	-0.4%	2.5%	7.1%	1.0%	3.6%
Below Normal (17%)												
No Action Alternative	11,660	16,189	27,523	22,900	30,837	23,218	17,387	13,871	13,510	21,231	15,698	12,163
Alternative A	12,444	17,205	27,995	20,714	30,039	21,362	17,169	13,686	14,236	22,345	16,278	13,774
Difference	784	1,016	473	-2,186	-797	-1,856	-219	-186	726	1,114	580	1,611
Percent Difference	6.7%	6.3%	1.7%	-9.5%	-2.6%	-8.0%	-1.3%	-1.3%	5.4%	5.2%	3.7%	13.2%
Dry (22%)												
No Action Alternative	9,410	12,351	22,276	17,301	21,246	20,381	13,092	10,752	12,410	19,039	15,709	11,163
Alternative A	9,446	13,154	22,284	16,532	19,773	18,044	12,713	10,867	12,675	20,217	17,248	12,347
Difference	37	803	7	-769	-1,473	-2,337	-379	114	264	1,178	1,539	1,184
Percent Difference	0.4%	6.5%	0.0%	-4.4%	-6.9%	-11.5%	-2.9%	1.1%	2.1%	6.2%	9.8%	10.6%
Critical (15%)												
No Action Alternative	7,492	7,764	12,634	14,417	14,795	13,062	10,180	7,679	10,009	14,221	9,766	8,216
Alternative A	7,822	7,907	12,137	14,240	13,769	12,538	10,247	7,773	10,178	14,962	11,820	9,240
Difference	329	143	-498	-178	-1,026	-524	67	93	168	741	2,054	1,024
Percent Difference	4.4%	1.8%	-3.9%	-1.2%	-6.9%	-4.0%	0.7%	1.2%	1.7%	5.2%	21.0%	12.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-30-3b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

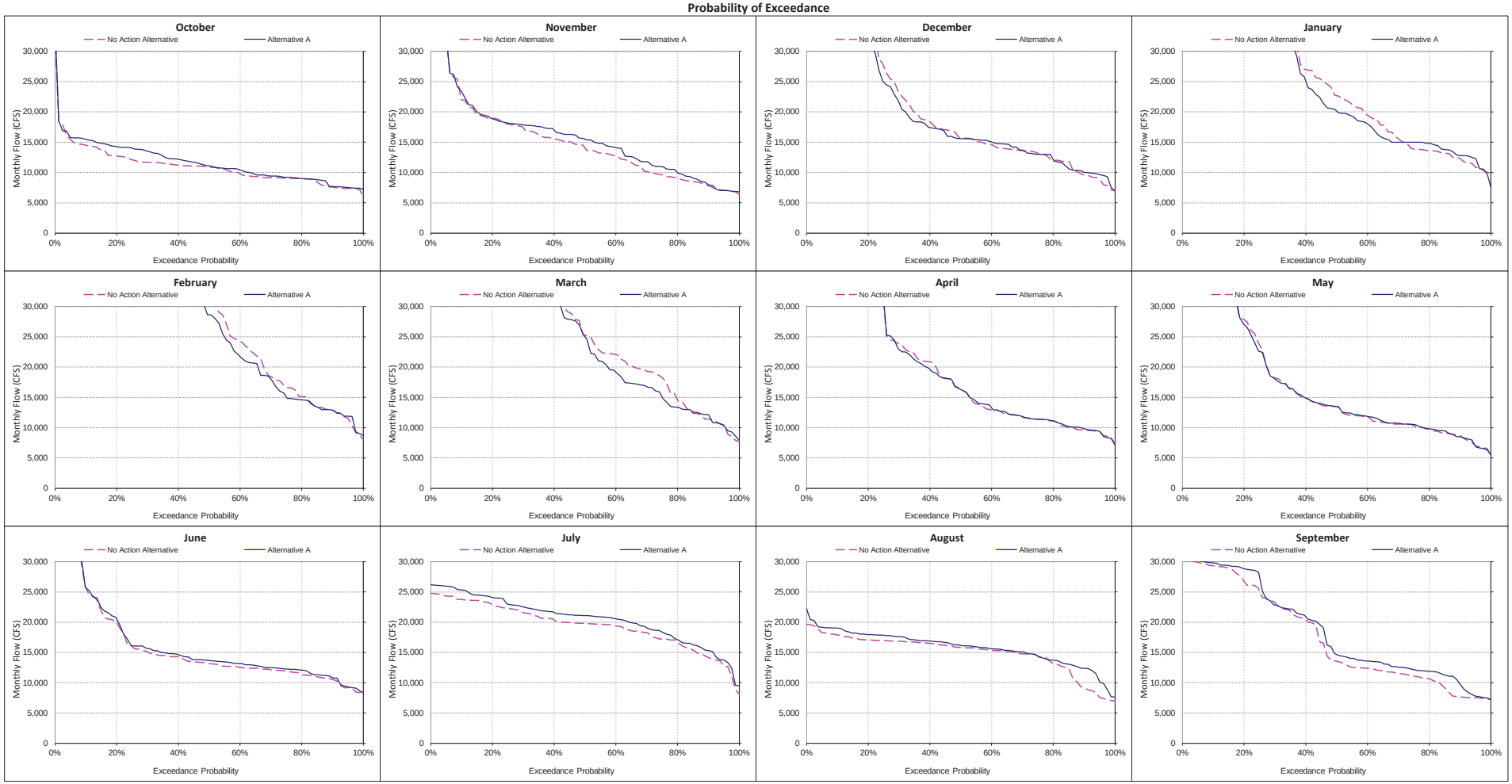


Table SW-30-3b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,212	35,269	2,057	6.2%
1.2%	18,350	18,524	174	0.9%
2.5%	17,907	16,892	-1,015	-5.7%
3.7%	16,142	16,881	738	4.6%
4.9%	15,513	15,811	299	1.9%
6.2%	14,917	15,726	808	5.4%
7.4%	14,692	15,720	1,028	7.0%
8.6%	14,649	15,680	1,031	7.0%
9.9%	14,537	15,493	956	6.6%
11.1%	14,364	15,318	954	6.6%
12.3%	14,328	15,235	907	6.3%
13.6%	14,144	14,963	819	5.8%
14.8%	13,736	14,829	1,093	8.0%
16.0%	13,710	14,745	1,035	7.5%
17.3%	12,820	14,562	1,742	13.6%
18.5%	12,813	14,353	1,540	12.0%
19.8%	12,788	14,336	1,548	12.1%
21.0%	12,667	14,166	1,499	11.8%
22.2%	12,610	14,162	1,552	12.3%
23.5%	12,416	14,154	1,738	14.0%
24.7%	12,162	14,055	1,893	15.6%
25.9%	11,959	13,876	1,916	16.0%
27.2%	11,786	13,807	2,020	17.1%
28.4%	11,717	13,764	2,046	17.5%
29.6%	11,694	13,565	1,871	16.0%
30.9%	11,685	13,396	1,711	14.6%
32.1%	11,683	13,181	1,499	12.8%
33.3%	11,660	13,136	1,476	12.7%
34.6%	11,546	12,839	1,293	11.2%
35.8%	11,474	12,491	1,017	8.9%
37.0%	11,445	12,290	845	7.4%
38.3%	11,321	12,282	962	8.5%
39.5%	11,221	12,231	1,010	9.0%
40.7%	11,178	12,091	912	8.2%
42.0%	11,112	11,974	862	7.8%
43.2%	11,079	11,845	767	6.9%
44.4%	11,064	11,747	683	6.2%
45.7%	11,046	11,626	580	5.3%
46.9%	11,042	11,449	407	3.7%
48.1%	10,994	11,252	259	2.4%
49.4%	10,912	11,097	185	1.7%
50.6%	10,864	11,053	189	1.7%
51.9%	10,830	10,831	0	0.0%
53.1%	10,691	10,757	65	0.6%
54.3%	10,677	10,715	38	0.4%
55.6%	10,393	10,653	260	2.5%
56.8%	10,197	10,650	454	4.5%
58.0%	10,025	10,646	622	6.2%
59.3%	10,023	10,572	549	5.5%
60.5%	9,637	10,354	717	7.4%
61.7%	9,436	10,079	643	6.8%
63.0%	9,414	10,003	589	6.3%
64.2%	9,341	9,850	509	5.5%
65.4%	9,323	9,602	279	3.0%
66.7%	9,188	9,597	409	4.5%
67.9%	9,186	9,573	388	4.2%
69.1%	9,147	9,442	294	3.2%
70.4%	9,139	9,441	302	3.3%
71.6%	9,135	9,424	290	3.2%
72.8%	9,115	9,327	213	2.3%
74.1%	9,069	9,218	150	1.7%
75.3%	9,068	9,207	138	1.5%
76.5%	9,036	9,188	152	1.7%
77.8%	9,017	9,125	109	1.2%
79.0%	8,983	9,069	86	1.0%
80.2%	8,977	8,954	-23	-0.3%
81.5%	8,943	8,943	0	0.0%
82.7%	8,922	8,922	0	0.0%
84.0%	8,882	8,866	-16	-0.2%
85.2%	8,352	8,785	433	5.2%
86.4%	7,916	8,701	786	9.9%
87.7%	7,840	8,621	780	10.0%
88.9%	7,622	7,729	108	1.4%
90.1%	7,565	7,668	103	1.4%
91.4%	7,440	7,652	212	2.9%
92.6%	7,399	7,633	234	3.2%
93.8%	7,382	7,565	182	2.5%
95.1%	7,359	7,480	120	1.6%
96.3%	7,352	7,441	89	1.2%
97.5%	7,346	7,435	89	1.2%
98.8%	7,161	7,411	249	3.5%
100.0%	5,863	7,213	1,350	23.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,763	54,567	-197	-0.4%
1.2%	48,632	47,874	-759	-1.6%
2.5%	47,723	46,298	-1,424	-3.0%
3.7%	36,344	34,753	-1,591	-4.4%
4.9%	32,307	33,452	1,145	3.5%
6.2%	26,852	26,385	-467	-1.7%
7.4%	25,711	26,235	524	2.0%
8.6%	25,440	24,173	-1,267	-5.0%
9.9%	21,980	23,512	1,532	7.0%
11.1%	21,952	22,304	352	1.6%
12.3%	20,765	21,187	422	2.0%
13.6%	20,678	21,061	382	1.8%
14.8%	19,554	20,113	559	2.9%
16.0%	19,449	19,639	190	1.0%
17.3%	19,204	19,445	241	1.3%
18.5%	18,984	19,298	314	1.7%
19.8%	18,966	18,871	-95	-0.5%
21.0%	18,912	18,739	-174	-0.9%
22.2%	18,699	18,482	-216	-1.2%
23.5%	18,322	18,351	29	0.2%
24.7%	18,041	18,197	156	0.9%
25.9%	17,896	18,082	186	1.0%
27.2%	17,883	18,054	170	1.0%
28.4%	17,684	17,924	241	1.4%
29.6%	17,573	17,903	330	1.9%
30.9%	16,850	17,800	950	5.6%
32.1%	16,836	17,745	908	5.4%
33.3%	16,696	17,737	1,041	6.2%
34.6%	16,388	17,593	1,206	7.4%
35.8%	16,010	17,562	1,552	9.7%
37.0%	15,777	17,336	1,559	9.9%
38.3%	15,772	17,263	1,491	9.5%
39.5%	15,637	17,243	1,607	10.3%
40.7%	15,475	16,578	1,103	7.1%
42.0%	15,325	16,490	1,165	7.6%
43.2%	15,174	16,310	1,135	7.5%
44.4%	15,124	16,302	1,178	7.8%
45.7%	14,977	16,297	1,320	8.8%
46.9%	14,644	16,161	1,517	10.4%
48.1%	14,640	15,676	1,035	7.1%
49.4%	14,480	15,624	1,144	7.9%
50.6%	13,637	15,377	1,740	12.8%
51.9%	13,590	15,366	1,776	13.1%
53.1%	13,589	15,002	1,413	10.4%
54.3%	13,238	14,821	1,583	12.0%
55.6%	13,181	14,810	1,629	12.4%
56.8%	13,134	14,463	1,329	10.1%
58.0%	12,973	14,297	1,324	10.2%
59.3%	12,828	14,203	1,375	10.7%
60.5%	12,632	14,043	1,410	11.2%
61.7%	12,185	13,991	1,806	14.8%
63.0%	12,096	12,710	614	5.1%
64.2%	12,010	12,643	634	5.3%
65.4%	11,482	12,560	1,079	9.4%
66.7%	11,153	12,289	1,136	10.2%
67.9%	11,146	11,850	703	6.3%
69.1%	10,229	11,777	1,547	15.1%
70.4%	10,125	11,760	1,635	16.1%
71.6%	9,885	11,214	1,330	13.5%
72.8%	9,803	11,000	1,197	12.2%
74.1%	9,688	10,971	1,283	13.2%
75.3%	9,606	10,949	1,343	14.0%
76.5%	9,310	10,570	1,260	13.5%
77.8%	9,287	10,514	1,227	13.2%
79.0%	9,185	10,508	1,322	14.4%
80.2%	9,031	9,860	829	9.2%
81.5%	8,798	9,713	916	10.4%
82.7%	8,688	9,377	689	7.9%
84.0%	8,551	9,324	773	9.0%
85.2%	8,503	9,054	550	6.5%
86.4%	8,400	8,871	472	5.6%
87.7%	8,264	8,496	232	2.8%
88.9%	8,119	8,400	280	3.5%
90.1%	7,805	7,912	107	1.4%
91.4%	7,533	7,859	326	4.3%
92.6%	7,145	7,207	62	0.9%
93.8%	7,120	7,044	-76	-1.1%
95.1%	7,082	7,032	-50	-0.7%
96.3%	7,049	7,014	-36	-0.5%
97.5%	6,855	6,910	56	0.8%
98.8%	6,813	6,855	42	0.6%
100.0%	6,366	6,813	447	7.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,489	76,501	13	0.0%
1.2%	75,125	73,925	-1,200	-1.6%
2.5%	68,512	66,456	-2,056	-3.0%
3.7%	59,837	59,743	-95	-0.2%
4.9%	58,803	58,754	-50	-0.1%
6.2%	57,819	57,729	-90	-0.2%
7.4%	50,471	50,085	-386	-0.8%
8.6%	50,174	50,002	-172	-0.3%
9.9%	49,883	49,643	-240	-0.5%
11.1%	48,142	45,628	-2,514	-5.2%
12.3%	44,746	44,897	151	0.3%
13.6%	43,136	39,791	-3,346	-7.8%
14.8%	40,947	38,759	-2,188	-5.3%
16.0%	36,716	38,435	1,719	4.7%
17.3%	35,122	37,024	1,902	5.4%
18.5%	35,094	35,214	120	0.3%
19.8%	34,892	35,071	179	0.5%
21.0%	33,741	30,836	-2,904	-8.6%
22.2%	33,340	29,684	-3,656	-11.0%
23.5%	28,805	26,829	-1,976	-6.9%
24.7%	27,965	25,027	-2,937	-10.5%
25.9%	26,446	24,450	-1,997	-7.6%
27.2%	25,448	24,160	-1,289	-5.1%
28.4%	25,085	22,930	-2,156	-8.6%
29.6%	23,520	21,913	-1,607	-6.8%
30.9%	22,606	20,428	-2,178	-9.6%
32.1%	21,894	19,964	-1,930	-8.8%
33.3%	21,312	19,057	-2,255	-10.6%
34.6%	20,108	18,426	-1,682	-8.4%
35.8%	19,786	18,347	-1,440	-7.3%
37.0%	18,861	18,346	-515	-2.7%
38.3%	18,738	18,114	-624	-3.3%
39.5%	18,586	17,487	-1,099	-5.9%
40.7%	18,043	17,357	-686	-3.8%
42.0%	17,439	17,268	-171	-1.0%
43.2%	17,299	17,145	-154	-0.9%
44.4%	17,088	16,907	-181	-1.1%
45.7%	16,984	15,962	-1,022	-6.0%
46.9%	16,891	15,954	-936	-5.5%
48.1%	16,681	15,699	-982	-5.9%
49.4%	15,797	15,579	-217	-1.4%
50.6%	15,705	15,578	-127	-0.8%
51.9%	15,647	15,571	-76	-0.5%
53.1%	15,640	15,531	-109	-0.7%
54.3%	15,511	15,431	-80	-0.5%
55.6%	15,058	15,410	352	2.3%
56.8%	14,972	15,348	376	2.5%
58.0%	14,733	15,315	582	4.0%
59.3%	14,685	15,159	474	3.2%
60.5%	14,492	14,959	467	3.2%
61.7%	14,083	14,743	660	4.7%
63.0%	14,042	14,729	687	4.9%
64.2%	13,932	14,711	780	5.6%
65.4%	13,864	14,643	779	5.6%
66.7%	13,823	14,197	373	2.7%
67.9%	13,754	14,179	424	3.1%
69.1%	13,668	13,754	85	0.6%
70.4%	13,589	13,667	78	0.6%
71.6%	13,560	13,193	-367	-2.7%
72.8%	13,520	13,145	-375	-2.8%
74.1%	13,352	13,006	-346	-2.6%
75.3%	13,114	13,000	-114	-0.9%
76.5%	13,057	13,000	-57	-0.4%
77.8%	12,807	13,000	193	1.5%
79.0%	12,175	13,000	825	6.8%
80.2%	12,006	11,917	-90	-0.7%
81.5%	12,000	11,716	-285	-2.4%
82.7%	11,872	11,649	-222	-1.9%
84.0%	11,808	11,084	-725	-6.1%
85.2%	11,788	10,571	-1,217	-10.3%
86.4%	10,279	10,386	107	1.0%
87.7%	10,171	10,340	169	1.7%
88.9%	9,789	10,309	520	5.3%
90.1%	9,556	10,022	466	4.9%
91.4%	9,509	9,989	480	5.1%
92.6%	9,208	9,877	669	7.3%
93.8%	9,182	9,805	624	6.8%
95.1%	8,808	9,621	813	9.2%
96.3%	7,937	9,514	1,577	19.9%
97.5%	7,822	9,300	1,478	18.9%
98.8%	7,126	7,487	362	5.1%
100.0%	6,971	7,015	43	0.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,316	78,437	122	0.2%
1.2%	77,247	77,226	-21	0.0%
2.5%	75,332	74,632	-700	-0.9%
3.7%	72,573	72,575	2	0.0%
4.9%	71,030	70,521	-509	-0.7%
6.2%	68,845	66,556	-2,290	-3.3%
7.4%	65,650	65,054	-596	-0.9%
8.6%	63,413	63,815	402	0.6%
9.9%	62,803	62,895	91	0.1%
11.1%	62,334	61,723	-611	-1.0%
12.3%	59,310	59,461	151	0.3%
13.6%	59,032	57,774	-1,258	-2.1%
14.8%	58,905	57,646	-1,260	-2.1%
16.0%	58,818	57,479	-1,339	-2.3%
17.3%	57,654	56,960	-694	-1.2%
18.5%	57,044	56,485	-559	-1.0%
19.8%	55,526	53,943	-1,583	-2.9%
21.0%	55,426	53,251	-2,175	-3.9%
22.2%	48,644	47,307	-1,336	-2.7%
23.5%	47,302	47,087	-215	-0.5%
24.7%	47,151	45,325	-1,826	-3.9%
25.9%	46,352	43,236	-3,116	-6.7%
27.2%	45,303	42,332	-2,971	-6.6%
28.4%	42,952	40,882	-2,070	-4.8%
29.6%	42,725	38,669	-4,055	-9.5%
30.9%	38,697	37,441	-1,256	-3.2%
32.1%	38,364	37,425	-939	-2.4%
33.3%	37,060	34,953	-2,107	-5.7%
34.6%	37,027	34,084	-2,943	-7.9%
35.8%	31,603	31,011	-593	-1.9%
37.0%	30,867	29,226	-1,641	-5.3%
38.3%	27,819	26,295	-1,524	-5.5%
39.5%	27,034	25,797	-1,237	-4.6%
40.7%	26,887	23,980	-2,906	-10.8%
42.0%	26,847	23,693	-3,154	-11.7%
43.2%	25,673	22,893	-2,780	-10.8%
44.4%	25,568	22,465	-3,103	-12.1%
45.7%	24,969	21,445	-3,524	-14.1%
46.9%	24,568	20,679	-3,890	-15.8%
48.1%	24,081	20,574	-3,506	-14.6%
49.4%	22,735	20,442	-2,293	-10.1%
50.6%	22,602	19,872	-2,729	-12.1%
51.9%	22,060	19,777	-2,283	-10.3%
53.1%	21,932	19,723	-2,210	-10.1%
54.3%	21,546	19,443	-2,103	-9.8%
55.6%	21,036	19,157	-1,879	-8.9%
56.8%	20,692	18,559	-2,134	-10.3%
58.0%	20,585	18,408	-2,176	-10.6%
59.3%	19,741	18,293	-1,448	-7.3%
60.5%	19,247	17,828	-1,419	-7.4%
61.7%	18,873	17,284	-1,589	-8.4%
63.0%	18,792	16,444	-2,347	-12.5%
64.2%	17,848	15,939	-1,909	-10.7%
65.4%	17,840	15,621	-2,220	-12.4%
66.7%	16,706	15,456	-1,250	-7.5%
67.9%	16,628	15,000	-1,628	-9.8%
69.1%	15,896	15,000	-896	-5.6%
70.4%	15,400	15,000	-400	-2.6%
71.6%	15,010	15,000	-10	-0.1%
72.8%	14,785	15,000	215	1.5%
74.1%	13,975	15,000	1,025	7.3%
75.3%	13,843	15,000	1,157	8.4%
76.5%	13,810	15,000	1,190	8.6%
77.8%	13,782	15,000	1,218	8.8%
79.0%	13,646	14,816	1,170	8.6%
80.2%	13,610	14,815	1,205	8.9%
81.5%	13,566	14,556	989	7.3%
82.7%	13,475	14,457	982	7.3%
84.0%	13,224	13,846	622	4.7%
85.2%	13,186	13,773	587	4.5%
86.4%	13,092	13,746	654	5.0%
87.7%	12,531	13,390	859	6.9%
88.9%	12,527	12,902	375	3.0%
90.1%	12,253	12,778	524	4.3%
91.4%	11,711	12,763	1,051	9.0%
92.6%	11,650	12,750	1,101	9.4%
93.8%	11,505	12,467	963	8.4%
95.1%	10,867	12,302	1,435	13.2%
96.3%	10,789	10,622	-167	-1.6%
97.5%	10,352	10,538	186	1.8%
98.8%	10,045	9,748	-298	-3.0%
100.0%	9,884	7,511	-2,373	-24.0%

Table SW-30-3b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,122	77,119	-3	0.0%
1.2%	74,425	74,424	-1	0.0%
2.5%	73,987	74,233	246	0.3%
3.7%	72,274	72,269	-6	0.0%
4.9%	70,946	70,823	-123	-0.2%
6.2%	70,019	69,613	-406	-0.6%
7.4%	69,393	68,910	-482	-0.7%
8.6%	68,757	68,761	4	0.0%
9.9%	68,417	68,221	-196	-0.3%
11.1%	67,622	67,132	-490	-0.7%
12.3%	66,930	66,899	-31	0.0%
13.6%	65,626	65,375	-251	-0.4%
14.8%	64,719	64,715	-4	0.0%
16.0%	62,473	62,474	2	0.0%
17.3%	62,102	61,605	-497	-0.8%
18.5%	61,746	60,904	-843	-1.4%
19.8%	60,900	60,385	-515	-0.8%
21.0%	59,604	59,864	259	0.4%
22.2%	59,068	59,079	11	0.0%
23.5%	58,970	58,261	-709	-1.2%
24.7%	57,116	57,787	671	1.2%
25.9%	52,164	52,189	24	0.0%
27.2%	51,908	50,476	-1,432	-2.8%
28.4%	50,694	48,927	-1,767	-3.5%
29.6%	49,066	47,015	-2,051	-4.2%
30.9%	48,591	46,323	-2,268	-4.7%
32.1%	48,309	45,841	-2,468	-5.1%
33.3%	47,872	45,603	-2,269	-4.7%
34.6%	47,835	44,851	-2,985	-6.2%
35.8%	46,794	44,415	-2,379	-5.1%
37.0%	45,191	43,933	-1,257	-2.8%
38.3%	43,657	42,414	-1,243	-2.8%
39.5%	43,618	41,349	-2,269	-5.2%
40.7%	42,296	40,314	-1,982	-4.7%
42.0%	42,199	40,248	-1,951	-4.6%
43.2%	39,327	39,337	10	0.0%
44.4%	36,325	34,231	-2,094	-5.8%
45.7%	34,877	32,137	-2,740	-7.9%
46.9%	34,268	31,612	-2,656	-7.8%
48.1%	33,715	30,509	-3,206	-9.5%
49.4%	33,690	28,664	-5,027	-14.9%
50.6%	32,667	28,598	-4,069	-12.5%
51.9%	30,188	28,007	-2,181	-7.2%
53.1%	29,101	27,260	-1,842	-6.3%
54.3%	28,636	25,490	-3,146	-11.0%
55.6%	27,112	24,469	-2,642	-9.7%
56.8%	25,138	23,965	-1,173	-4.7%
58.0%	24,731	22,646	-2,085	-8.4%
59.3%	24,460	22,095	-2,365	-9.7%
60.5%	24,106	21,489	-2,617	-10.9%
61.7%	23,498	20,978	-2,520	-10.7%
63.0%	22,884	20,743	-2,141	-9.4%
64.2%	22,302	20,674	-1,628	-7.3%
65.4%	21,823	20,557	-1,266	-5.8%
66.7%	21,408	18,628	-2,781	-13.0%
67.9%	19,649	18,624	-1,025	-5.2%
69.1%	18,623	18,533	-91	-0.5%
70.4%	18,286	17,742	-543	-3.0%
71.6%	17,809	16,747	-1,062	-6.0%
72.8%	17,773	16,034	-1,739	-9.8%
74.1%	17,049	15,766	-1,283	-7.5%
75.3%	16,598	14,825	-1,772	-10.7%
76.5%	16,575	14,815	-1,759	-10.6%
77.8%	16,247	14,703	-1,544	-9.5%
79.0%	15,184	14,670	-513	-3.4%
80.2%	15,101	14,580	-521	-3.5%
81.5%	15,098	14,537	-561	-3.7%
82.7%	13,987	14,283	295	2.1%
84.0%	13,687	13,609	-78	-0.6%
85.2%	13,389	13,377	-12	-0.1%
86.4%	13,359	13,000	-359	-2.7%
87.7%	13,081	13,000	-81	-0.6%
88.9%	13,017	13,000	-17	-0.1%
90.1%	12,887	12,853	-34	-0.3%
91.4%	12,459	12,408	-51	-0.4%
92.6%	12,381	12,338	-43	-0.3%
93.8%	11,809	11,905	96	0.8%
95.1%	11,524	11,893	368	3.2%
96.3%	10,286	11,840	1,554	15.1%
97.5%	9,135	9,280	145	1.6%
98.8%	8,694	8,988	294	3.4%
100.0%	8,005	8,660	656	8.2%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,595	81,595	0	0.0%
1.2%	77,524	77,592	68	0.1%
2.5%	72,447	72,449	2	0.0%
3.7%	70,875	70,471	-404	-0.6%
4.9%	68,126	68,127	1	0.0%
6.2%	67,712	67,632	-80	-0.1%
7.4%	67,633	67,044	-589	-0.9%
8.6%	66,279	66,572	293	0.4%
9.9%	61,320	61,323	3	0.0%
11.1%	61,114	61,116	3	0.0%
12.3%	60,631	60,629	-2	0.0%
13.6%	59,153	58,253	-900	-1.5%
14.8%	57,369	57,371	2	0.0%
16.0%	57,351	57,337	-14	0.0%
17.3%	54,792	54,733	-58	-0.1%
18.5%	54,728	53,036	-1,692	-3.1%
19.8%	52,800	52,589	-211	-0.4%
21.0%	48,495	48,239	-256	-0.5%
22.2%	47,746	47,483	-263	-0.6%
23.5%	46,957	46,950	-7	0.0%
24.7%	44,695	45,831	1,136	2.5%
25.9%	44,518	43,327	-1,191	-2.7%
27.2%	43,310	42,203	-1,107	-2.6%
28.4%	42,981	40,863	-2,118	-4.9%
29.6%	41,569	40,587	-981	-2.4%
30.9%	41,529	37,443	-4,086	-9.8%
32.1%	40,468	36,954	-3,514	-8.7%
33.3%	37,756	34,095	-3,660	-9.7%
34.6%	36,262	34,079	-2,183	-6.0%
35.8%	34,599	33,864	-735	-2.1%
37.0%	34,057	33,555	-502	-1.5%
38.3%	33,906	33,431	-475	-1.4%
39.5%	33,591	33,050	-540	-1.6%
40.7%	32,400	32,266	-134	-0.4%
42.0%	32,231	30,161	-2,070	-6.4%
43.2%	29,812	28,193	-1,619	-5.4%
44.4%	29,160	27,892	-1,268	-4.3%
45.7%	28,800	27,805	-995	-3.5%
46.9%	27,904	27,589	-315	-1.1%
48.1%	27,674	26,938	-736	-2.7%
49.4%	25,330	25,404	74	0.3%
50.6%	25,195	24,554	-641	-2.5%
51.9%	24,912	22,242	-2,671	-10.7%
53.1%	23,704	22,158	-1,546	-6.5%
54.3%	22,895	21,040	-1,856	-8.1%
55.6%	22,381	20,962	-1,419	-6.3%
56.8%	22,260	20,380	-1,880	-8.4%
58.0%	22,237	19,575	-2,661	-12.0%
59.3%	22,164	19,498	-2,666	-12.0%
60.5%	22,007	18,935	-3,071	-14.0%
61.7%	21,284	18,387	-2,898	-13.6%
63.0%	20,973	17,409	-3,564	-17.0%
64.2%	20,169	17,362	-2,808	-13.9%
65.4%	20,110	17,312	-2,798	-13.9%
66.7%	19,859	17,201	-2,658	-13.4%
67.9%	19,662	17,048	-2,615	-13.3%
69.1%	19,559	17,008	-2,551	-13.0%
70.4%	19,251	16,681	-2,570	-13.3%
71.6%	19,209	16,622	-2,587	-13.5%
72.8%	18,946	16,084	-2,862	-15.1%
74.1%	18,584	15,931	-2,653	-14.3%
75.3%	18,122	14,786	-3,336	-18.4%
76.5%	17,186	14,142	-3,044	-17.7%
77.8%	15,614	13,467	-2,147	-13.8%
79.0%	15,612	13,391	-2,221	-14.2%
80.2%	14,333	13,349	-984	-6.9%
81.5%	14,310	13,074	-1,236	-8.6%
82.7%	13,350	13,000	-350	-2.6%
84.0%	12,745	13,000	255	2.0%
85.2%	12,354	12,554	200	1.6%
86.4%	12,353	12,512	159	1.3%
87.7%	12,069	12,278	209	1.7%
88.9%	11,442	12,202	760	6.6%
90.1%	11,416	12,089	673	5.9%
91.4%	11,248	10,844	-405	-3.6%
92.6%	10,976	10,812	-164	-1.5%
93.8%	10,572	10,677	105	1.0%
95.1%	10,470	10,311	-159	-1.5%
96.3%	8,902	9,507	605	6.8%
97.5%	8,576	9,291	715	8.3%
98.8%	7,910	8,615	706	8.9%
100.0%	7,690	7,906	216	2.8%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,146	72,147	1	0.0%
1.2%	67,580	67,578	-2	0.0%
2.5%	64,636	64,635	-1	0.0%
3.7%	56,997	56,998	1	0.0%
4.9%	56,147	56,150	4	0.0%
6.2%	54,491	54,492	1	0.0%
7.4%	54,373	53,510	-864	-1.6%
8.6%	53,515	52,692	-824	-1.5%
9.9%	50,373	49,948	-426	-0.8%
11.1%	49,947	48,872	-1,075	-2.2%
12.3%	45,464	45,455	-9	0.0%
13.6%	42,659	42,645	-14	0.0%
14.8%	42,165	41,943	-222	-0.5%
16.0%	41,937	39,711	-2,226	-5.3%
17.3%	40,385	39,272	-1,114	-2.8%
18.5%	39,697	38,797	-900	-2.3%
19.8%	38,814	37,467	-1,346	-3.5%
21.0%	37,664	35,079	-2,586	-6.9%
22.2%	34,656	34,655	-1	0.0%
23.5%	34,069	33,138	-931	-2.7%
24.7%	33,032	32,730	-301	-0.9%
25.9%	25,170	25,256	86	0.3%
27.2%	24,542	25,146	603	2.5%
28.4%	24,339	24,514	175	0.7%
29.6%	23,920	23,031	-889	-3.7%
30.9%	23,745	22,525	-1,220	-5.1%
32.1%	22,919	22,478	-440	-1.9%
33.3%	22,524	22,057	-468	-2.1%
34.6%	22,471	21,389	-1,082	-4.8%
35.8%	21,470	20,917	-553	-2.6%
37.0%	21,047	20,619	-429	-2.0%
38.3%	20,970	20,141	-830	-4.0%
39.5%	20,915	19,853	-1,062	-5.1%
40.7%	20,793	19,232	-1,561	-7.5%
42.0%	20,067	19,025	-1,042	-5.2%
43.2%	18,611	18,378	-233	-1.3%
44.4%	18,115	18,200	86	0.5%
45.7%	18,102	18,139	38	0.2%
46.9%	18,013	18,019	6	0.0%
48.1%	16,748	16,819	71	0.4%
49.4%	16,614	16,409	-205	-1.2%
50.6%	16,145	16,148	4	0.0%
51.9%	15,772	15,772	0	0.0%
53.1%	14,837	14,919	82	0.5%
54.3%	14,092	14,613	521	3.7%
55.6%	13,860	14,094	234	1.7%
56.8%	13,744	13,963	219	1.6%
58.0%	13,150	13,863	712	5.4%
59.3%	12,995	13,726	731	5.6%
60.5%	12,950	12,952	2	0.0%
61.7%	12,926	12,905	-21	-0.2%
63.0%	12,658	12,710	52	0.4%
64.2%	12,281	12,696	415	3.4%
65.4%	12,214	12,288	75	0.6%
66.7%	12,202	12,087	-115	-0.9%
67.9%	12,116	12,051	-65	-0.5%
69.1%	11,999	11,999	0	0.0%
70.4%	11,626	11,769	143	1.2%
71.6%	11,623	11,581	-42	-0.4%
72.8%	11,509	11,462	-47	-0.4%
74.1%	11,467	11,399	-68	-0.6%
75.3%	11,358	11,377	18	0.2%
76.5%	11,335	11,344	9	0.1%
77.8%	11,185	11,343	159	1.4%
79.0%	11,172	11,180	8	0.1%
80.2%	11,092	11,099	7	0.1%
81.5%	10,842	10,792	-51	-0.5%
82.7%	10,290	10,644	355	3.4%
84.0%	10,227	10,340	113	1.1%
85.2%	9,998	10,176	178	1.8%
86.4%	9,950	10,116	166	1.7%
87.7%	9,732	10,104	373	3.8%
88.9%	9,613	9,993	379	3.9%
90.1%	9,613	9,789	176	1.8%
91.4%	9,554	9,688	133	1.4%
92.6%	9,487	9,611	125	1.3%
93.8%	9,481	9,554	73	0.8%
95.1%	9,388	9,390	2	0.0%
96.3%	8,671	8,545	-126	-1.5%
97.5%	8,596	8,321	-275	-3.2%
98.8%	8,259	8,259	0	0.0%
100.0%	7,379	7,124	-255	-3.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,574	58,493	-81	-0.1%
1.2%	58,281	58,258	-23	0.0%
2.5%	53,991	53,997	6	0.0%
3.7%	52,611	52,531	-80	-0.2%
4.9%	48,747	48,375	-373	-0.8%
6.2%	44,664	44,816	152	0.3%
7.4%	43,080	43,086	6	0.0%
8.6%	42,723	42,631	-92	-0.2%
9.9%	41,705	41,704	-1	0.0%
11.1%	40,915	40,866	-48	-0.1%
12.3%	38,953	39,159	206	0.5%
13.6%	38,441	38,790	349	0.9%
14.8%	38,212	38,355	143	0.4%
16.0%	31,737	32,811	1,074	3.4%
17.3%	31,247	31,742	495	1.6%
18.5%	28,233	28,232	0	0.0%
19.8%	27,921	27,125	-796	-2.9%
21.0%	27,469	26,575	-894	-3.3%
22.2%	26,047	25,283	-764	-2.9%
23.5%	25,550	23,981	-1,569	-6.1%
24.7%	23,997	22,618	-1,380	-5.7%
25.9%	22,916	22,437	-479	-2.1%
27.2%	20,355	20,279	-77	-0.4%
28.4%	18,655	18,609	-47	-0.2%
29.6%	18,237	18,172	-65	-0.4%
30.9%	18,092	17,688	-404	-2.2%
32.1%	17,722	17,329	-394	-2.2%
33.3%	17,328	17,270	-59	-0.3%
34.6%	16,417	16,564	147	0.9%
35.8%	16,312	16,419	108	0.7%
37.0%	15,727	15,641	-86	-0.5%
38.3%	15,101	15,461	360	2.4%
39.5%	14,992	14,978	-14	-0.1%
40.7%	14,743	14,744	1	0.0%
42.0%	14,340	14,342	2	0.0%
43.2%	14,171	14,163	-7	-0.1%
44.4%	13,843	14,051	207	1.5%
45.7%	13,609	13,846	237	1.7%
46.9%	13,551	13,681	130	1.0%
48.1%	13,538	13,616	78	0.6%
49.4%	13,537	13,539	2	0.0%
50.6%	13,433	13,429	-4	0.0%
51.9%	12,438	12,550	112	0.9%
53.1%	12,162	12,448	285	2.3%
54.3%	12,053	12,441	388	3.2%
55.6%	12,046	12,180	134	1.1%
56.8%	11,988	12,158	170	1.4%
58.0%	11,932	12,013	81	0.7%
59.3%	11,731	11,935	204	1.7%
60.5%	11,699	11,801	102	0.9%
61.7%	11,064	11,733	669	6.0%
63.0%	11,039	11,566	528	4.8%
64.2%	10,978	11,229	251	2.3%
65.4%	10,847	10,968	121	1.1%
66.7%	10,775	10,769	-6	-0.1%
67.9%	10,616	10,755	139	1.3%
69.1%	10,605	10,746	140	1.3%
70.4%	10,585	10,728	142	1.3%
71.6%	10,575	10,618	43	0.4%
72.8%	10,545	10,598	53	0.5%
74.1%	10,539	10,545	6	0.1%
75.3%	10,247	10,493	246	2.4%
76.5%	10,042	10,246	204	2.0%
77.8%	10,014	10,040	26	0.3%
79.0%	9,909	9,819	-90	-0.9%
80.2%	9,720	9,810	90	0.9%
81.5%	9,456	9,726	270	2.9%
82.7%	9,437	9,549	113	1.2%
84.0%	9,159	9,520	361	3.9%
85.2%	9,081	9,458	376	4.1%
86.4%	9,073	8,988	-86	-0.9%
87.7%	8,895	8,898	3	0.0%
88.9%	8,850	8,522	-329	-3.7%
90.1%	8,649	8,500	-150	-1.7%
91.4%	8,150	8,306	156	1.9%
92.6%	7,865	8,139	274	3.5%
93.8%	7,569	7,951	382	5.0%
95.1%	6,982	6,847	-135	-1.9%
96.3%	6,854	6,674	-180	-2.6%
97.5%	6,658	6,554	-104	-1.6%
98.8%	6,588	6,310	-278	-4.2%
100.0%	5,458	5,462	4	0.1%

Table SW-30-3b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,036	60,954	-83	-0.1%
1.2%	50,918	50,931	14	0.0%
2.5%	37,741	38,702	961	2.5%
3.7%	37,471	38,688	1,218	3.2%
4.9%	35,750	38,163	2,413	6.7%
6.2%	34,962	35,430	468	1.3%
7.4%	34,150	34,621	471	1.4%
8.6%	29,402	30,301	899	3.1%
9.9%	25,914	25,687	-227	-0.9%
11.1%	24,469	25,223	755	3.1%
12.3%	24,357	24,167	-190	-0.8%
13.6%	23,671	24,047	377	1.6%
14.8%	22,031	22,500	469	2.1%
16.0%	20,775	21,855	1,080	5.2%
17.3%	20,496	21,542	1,047	5.1%
18.5%	20,432	21,070	638	3.1%
19.8%	20,174	20,808	634	3.1%
21.0%	19,096	19,592	496	2.6%
22.2%	18,057	18,069	12	0.1%
23.5%	16,492	17,228	736	4.5%
24.7%	16,080	16,130	50	0.3%
25.9%	15,574	16,059	486	3.1%
27.2%	15,564	16,047	483	3.1%
28.4%	15,304	16,045	741	4.8%
29.6%	15,229	15,681	451	3.0%
30.9%	14,821	15,609	788	5.3%
32.1%	14,790	15,313	523	3.5%
33.3%	14,530	15,284	754	5.2%
34.6%	14,510	14,980	470	3.2%
35.8%	14,501	14,943	442	3.0%
37.0%	14,350	14,817	466	3.2%
38.3%	14,309	14,797	488	3.4%
39.5%	14,299	14,740	441	3.1%
40.7%	14,295	14,503	208	1.5%
42.0%	13,800	14,295	495	3.6%
43.2%	13,525	14,249	725	5.4%
44.4%	13,506	13,829	323	2.4%
45.7%	13,428	13,785	357	2.7%
46.9%	13,363	13,780	417	3.1%
48.1%	13,310	13,760	450	3.4%
49.4%	13,286	13,712	426	3.2%
50.6%	13,133	13,642	508	3.9%
51.9%	13,064	13,563	498	3.8%
53.1%	12,975	13,537	563	4.3%
54.3%	12,727	13,482	756	5.9%
55.6%	12,718	13,420	701	5.5%
56.8%	12,683	13,337	654	5.2%
58.0%	12,674	13,219	545	4.3%
59.3%	12,600	13,184	584	4.6%
60.5%	12,473	13,158	685	5.5%
61.7%	12,458	12,977	519	4.2%
63.0%	12,422	12,953	531	4.3%
64.2%	12,422	12,900	478	3.8%
65.4%	12,411	12,777	366	3.0%
66.7%	12,326	12,698	372	3.0%
67.9%	12,255	12,558	303	2.5%
69.1%	12,223	12,516	293	2.4%
70.4%	12,063	12,512	448	3.7%
71.6%	12,055	12,425	370	3.1%
72.8%	12,012	12,397	384	3.2%
74.1%	11,969	12,291	323	2.7%
75.3%	11,809	12,238	429	3.6%
76.5%	11,768	12,218	450	3.8%
77.8%	11,707	12,205	498	4.2%
79.0%	11,670	12,132	462	4.0%
80.2%	11,281	12,072	791	7.0%
81.5%	11,277	11,961	684	6.1%
82.7%	11,253	11,562	308	2.7%
84.0%	11,028	11,335	307	2.8%
85.2%	10,959	11,329	369	3.4%
86.4%	10,829	11,209	379	3.5%
87.7%	10,773	11,201	428	4.0%
88.9%	10,708	11,112	404	3.8%
90.1%	10,501	10,785	284	2.7%
91.4%	10,302	10,783	481	4.7%
92.6%	9,508	9,674	166	1.7%
93.8%	9,194	9,432	238	2.6%
95.1%	9,170	9,296	126	1.4%
96.3%	9,086	9,193	107	1.2%
97.5%	8,484	9,102	618	7.3%
98.8%	8,372	8,705	334	4.0%
100.0%	8,321	8,323	2	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,756	26,229	1,473	6.0%
1.2%	24,741	26,110	1,369	5.5%
2.5%	24,631	26,098	1,467	6.0%
3.7%	24,568	26,045	1,477	6.0%
4.9%	24,314	25,963	1,649	6.8%
6.2%	24,306	25,898	1,592	6.6%
7.4%	24,265	25,793	1,528	6.3%
8.6%	23,778	25,394	1,616	6.8%
9.9%	23,768	25,338	1,570	6.6%
11.1%	23,696	25,269	1,573	6.6%
12.3%	23,693	24,909	1,216	5.1%
13.6%	23,593	24,518	925	3.9%
14.8%	23,591	24,486	895	3.8%
16.0%	23,560	24,441	880	3.7%
17.3%	23,347	24,348	1,001	4.3%
18.5%	23,328	24,306	978	4.2%
19.8%	22,977	24,113	1,136	4.9%
21.0%	22,663	23,992	1,330	5.9%
22.2%	22,570	23,973	1,404	6.2%
23.5%	22,387	23,891	1,503	6.7%
24.7%	22,360	23,020	661	3.0%
25.9%	22,219	22,907	688	3.1%
27.2%	22,141	22,793	652	2.9%
28.4%	22,018	22,772	753	3.4%
29.6%	21,673	22,583	910	4.2%
30.9%	21,469	22,391	922	4.3%
32.1%	21,409	22,287	878	4.1%
33.3%	21,083	22,198	1,115	5.3%
34.6%	21,002	22,018	1,016	4.8%
35.8%	20,650	21,904	1,254	6.1%
37.0%	20,622	21,854	1,232	6.0%
38.3%	20,618	21,760	1,142	5.5%
39.5%	20,562	21,728	1,166	5.7%
40.7%	20,118	21,431	1,313	6.5%
42.0%	20,025	21,368	1,343	6.7%
43.2%	19,989	21,315	1,326	6.6%
44.4%	19,972	21,235	1,263	6.3%
45.7%	19,926	21,219	1,293	6.5%
46.9%	19,872	21,145	1,274	6.4%
48.1%	19,816	21,142	1,326	6.7%
49.4%	19,816	21,114	1,298	6.6%
50.6%	19,770	21,083	1,313	6.6%
51.9%	19,750	21,060	1,310	6.6%
53.1%	19,702	20,953	1,251	6.3%
54.3%	19,661	20,904	1,243	6.3%
55.6%	19,640	20,873	1,233	6.3%
56.8%	19,627	20,827	1,200	6.1%
58.0%	19,584	20,723	1,139	5.8%
59.3%	19,458	20,654	1,196	6.1%
60.5%	19,327	20,509	1,182	6.1%
61.7%	19,286	20,417	1,131	5.9%
63.0%	18,822	20,289	1,467	7.8%
64.2%	18,716	19,987	1,271	6.8%
65.4%	18,530	19,898	1,368	7.4%
66.7%	18,518	19,792	1,273	6.9%
67.9%	18,401	19,399	998	5.4%
69.1%	18,334	19,324	990	5.4%
70.4%	18,242	18,945	704	3.9%
71.6%	17,669	18,738	1,069	6.1%
72.8%	17,453	18,672	1,219	7.0%
74.1%	17,239	18,612	1,373	8.0%
75.3%	17,183	18,283	1,099	6.4%
76.5%	17,172	17,998	826	4.8%
77.8%	17,064	17,864	800	4.7%
79.0%	17,051	17,311	259	1.5%
80.2%	16,499	17,064	565	3.4%
81.5%	16,091	16,597	507	3.1%
82.7%	15,817	16,545	728	4.6%
84.0%	15,686	16,518	831	5.3%
85.2%	15,332	16,226	994	5.8%
86.4%	14,880	16,107	1,228	8.2%
87.7%	14,851	15,826	975	6.6%
88.9%	14,410	15,410	1,000	6.9%
90.1%	14,157	15,302	1,145	8.1%
91.4%	13,786	15,150	1,364	9.9%
92.6%	13,770	14,198	428	3.1%
93.8%	13,581	13,786	205	1.5%
95.1%	12,713	13,750	1,036	8.2%
96.3%	12,650	13,340	690	5.5%
97.5%	11,020	12,479	1,459	13.2%
98.8%	8,850	9,592	742	8.4%
100.0%	8,127	9,425	1,299	16.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,624	22,280	2,656	13.5%
1.2%	19,564	20,440	876	4.5%
2.5%	19,420	20,302	882	4.5%
3.7%	18,899	19,263	365	1.9%
4.9%	18,293	19,177	884	4.8%
6.2%	18,225	19,069	844	4.6%
7.4%	18,080	19,063	984	5.4%
8.6%	18,024	19,048	1,024	5.7%
9.9%	17,917	19,027	1,110	6.2%
11.1%	17,796	18,958	1,162	6.5%
12.3%	17,626	18,575	949	5.4%
13.6%	17,616	18,413	797	4.5%
14.8%	17,413	18,216	802	4.6%
16.0%	17,347	18,196	848	4.9%
17.3%	17,156	18,041	885	5.2%
18.5%	17,115	18,024	909	5.3%
19.8%	17,065	17,950	885	5.2%
21.0%	17,057	17,947	889	5.2%
22.2%	16,973	17,899	926	5.5%
23.5%	16,962	17,865	904	5.3%
24.7%	16,958	17,859	901	5.3%
25.9%	16,957	17,780	823	4.9%
27.2%	16,914	17,763	849	5.0%
28.4%	16,887	17,670	783	4.6%
29.6%	16,867	17,628	761	4.5%
30.9%	16,844	17,610	766	4.6%
32.1%	16,762	17,448	686	4.1%
33.3%	16,722	17,148	426	2.5%
34.6%	16,713	17,116	403	2.4%
35.8%	16,671	17,030	359	2.2%
37.0%	16,620	16,932	312	1.9%
38.3%	16,601	16,928	327	2.0%
39.5%	16,526	16,920	394	2.4%
40.7%	16,489	16,870	381	2.3%
42.0%	16,457	16,766	309	1.9%
43.2%	16,264	16,758	494	3.0%
44.4%	16,210	16,677	467	2.9%
45.7%	16,157	16,626	469	2.9%
46.9%	16,112	16,379	267	1.7%
48.1%	15,878	16,258	380	2.4%
49.4%	15,827	16,245	418	2.6%
50.6%	15,808	16,125	317	2.0%
51.9%	15,777	16,109	333	2.1%
53.1%	15,759	16,051	292	1.9%
54.3%	15,755	15,973	218	1.4%
55.6%	15,594	15,909	315	2.0%
56.8%	15,550	15,832	282	1.8%
58.0%	15,529	15,806	277	1.8%
59.3%	15,345	15,661	316	2.1%
60.5%	15,334	15,596	262	1.7%
61.7%	15,306	15,546	241	1.6%
63.0%	15,295	15,515	220	1.4%
64.2%	15,138	15,339	202	1.3%
65.4%	15,085	15,334	249	1.7%
66.7%	15,073	15,277	204	1.4%
67.9%	14,988	15,137	149	1.0%
69.1%	14,806	15,100	294	2.0%
70.4%	14,766	15,080	314	2.1%
71.6%	14,743	14,806	63	0.4%
72.8%	14,706	14,782	75	0.5%
74.1%	14,692	14,686	-6	0.0%
75.3%	14,277	14,282	5	0.0%
76.5%	14,231	14,079	-152	-1.1%
77.8%	14,080	13,904	-176	-1.3%
79.0%	13,455	13,779	324	2.4%
80.2%	13,108	13,705	597	4.6%
81.5%	13,005	13,618	614	4.7%
82.7%	12,665	13,293	628	5.0%
84.0%	12,557	13,135	578	4.6%
85.2%	12,183	13,041	859	7.0%
86.4%	10,545	12,896	2,351	22.3%
87.7%	10,131	12,684	2,553	25.2%
88.9%	9,359	12,422	3,062	32.7%
90.1%	9,130	12,395	3,265	35.8%
91.4%	8,791	12,332	3,541	40.3%
92.6%	8,663	11,999	3,336	38.5%
93.8%	8,325	11,512	3,187	38.3%
95.1%	7,540	10,099	2,558	33.9%
96.3%	7,390	9,879	2,489	33.7%
97.5%	7,227	8,843	1,616	22.4%
98.8%	7,050	7,670	620	8.8%
100.0%	7,023	7,622	599	8.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,274	31,272	-2	0.0%
1.2%	30,335	30,941	605	2.0%
2.5%	30,232	30,534	302	1.0%
3.7%	30,018	30,273	255	0.8%
4.9%	29,920	30,212	293	1.0%
6.2%	29,705	30,081	376	1.3%
7.4%	29,679	29,927	248	0.8%
8.6%	29,371	29,858	487	1.7%
9.9%	29,332	29,826	493	1.7%
11.1%	29,301	29,745	444	1.5%
12.3%	29,181	29,443	262	0.9%
13.6%	29,146	29,435	289	1.0%
14.8%	28,956	29,386	430	1.5%
16.0%	28,776	29,243	467	1.6%
17.3%	28,167	29,215	1,048	3.7%
18.5%	27,727	29,138	1,411	5.1%
19.8%	26,946	28,843	1,896	7.0%
21.0%	26,123	28,713	2,590	9.9%
22.2%	26,107	28,635	2,529	9.7%
23.5%	26,085	28,559	2,474	9.5%
24.7%	25,560	28,264	2,704	10.6%
25.9%	24,068	25,165	1,097	4.6%
27.2%	24,004	23,843	-161	-0.7%
28.4%	23,642	23,556	-86	-0.4%
29.6%	23,382	22,863	-519	-2.2%
30.9%	22,721	22,763	42	0.2%
32.1%	22,304	22,392	87	0.4%
33.3%	22,131	22,313	182	0.8%
34.6%	22,029	22,166	137	0.6%
35.8%	21,308	22,148	839	3.9%
37.0%	20,917	21,500	584	2.8%
38.3%	20,758	21,306	548	2.6%
39.5%	20,598	21,178	580	2.8%
40.7%	20,046	20,512	465	2.3%
42.0%	19,894	20,290	396	2.0%
43.2%	19,539	20,165	626	3.2%
44.4%	16,781	19,670	2,888	17.2%
45.7%	16,505	19,073	2,568	15.6%
46.9%	14,362	16,250	1,888	13.1%
48.1%	13,726	15,976	2,251	16.4%
49.4%	13,628	14,788	1,160	8.5%
50.6%	13,436	14,525	1,090	8.1%
51.9%	13,271	14,389	1,118	8.4%
53.1%	12,940	14,277	1,337	10.3%
54.3%	12,616	14,044	1,428	11.3%
55.6%	12,491	13,996	1,505	12.0%
56.8%	12,486	13,738	1,251	10.0%
58.0%	12,466	13,725	1,260	10.1%
59.3%	12,425	13,596	1,171	9.4%
60.5%	12,393	13,591	1,198	9.7%
61.7%	12,339	13,524	1,185	9.6%
63.0%	12,069	13,467	1,397	11.6%
64.2%	12,028	13,418	1,390	11.6%
65.4%	11,929	13,071	1,142	9.6%
66.7%	11,790	13,036	1,246	10.6%
67.9%	11,788	12,684	896	7.6%
69.1%	11,626	12,669	1,042	9.0%
70.4%	11,468	12,535	1,067	9.3%
71.6%	11,441	12,502	1,062	9.3%
72.8%	11,325	12,439	1,114	9.8%
74.1%	11,173	12,250	1,077	9.6%
75.3%	11,070	12,103	1,033	9.3%
76.5%	11,002	12,010	1,008	9.2%
77.8%	10,770	11,977	1,207	11.2%
79.0%	10,664	11,927	1,263	11.8%
80.2%	10,648	11,853	1,205	11.3%
81.5%	10,273	11,847	1,573	15.3%
82.7%	10,273	11,735	1,462	14.2%
84.0%	9,665	11,466	1,801	18.6%
85.2%	9,115	11,250	2,135	23.4%
86.4%	8,370	11,066	2,696	32.2%
87.7%	7,802	11,059	3,257	41.7%
88.9%	7,701	10,532	2,831	36.8%
90.1%	7,674	9,661	1,987	25.9%
91.4%	7,572	8,856	1,284	17.0%
92.6%	7,565	8,372	807	10.7%
93.8%	7,535	8,039	504	6.7%
95.1%	7,489	7,775	286	3.8%
96.3%	7,483	7,687	203	2.7%
97.5%	7,370	7,560	191	2.6%
98.8%	7,344	7,489	144	2.0%
100.0%	7,201	7,207	6	0.1%

Table SW-31-3a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	100	413	3,334	9,711	12,487	8,325	2,476	265	126	48	100	83
Alternative A	138	362	3,124	9,069	12,079	7,950	2,443	264	125	48	100	105
Difference	39	-51	-210	-642	-408	-375	-33	-1	-1	0	0	22
Percent Difference[3]		-12.3%	-6.3%	-6.6%	-3.3%	-4.5%	-1.3%					
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	86	622	4,191	26,131	31,005	21,378	6,583	631	256	48	143	102
Alternative A	86	565	3,933	25,048	30,424	20,939	6,583	628	253	48	143	172
Difference	0	-57	-258	-1,083	-581	-439	0	-2	-3	0	0	70
Percent Difference			-6.2%	-4.1%	-1.9%	-2.1%	0.0%					
Above Normal (15%)												
No Action Alternative	37	859	1,440	7,385	11,958	8,418	1,424	183	66	48	95	65
Alternative A	37	611	1,548	6,165	11,137	7,441	1,326	183	66	48	95	65
Difference	0	-248	108	-1,220	-821	-977	-98	0	0	0	0	0
Percent Difference		-28.8%	7.5%	-16.5%	-6.9%	-11.6%	-6.9%					
Below Normal (17%)												
No Action Alternative	286	278	3,321	1,047	2,780	693	568	67	66	48	114	86
Alternative A	521	245	2,860	722	2,384	527	457	67	66	48	114	86
Difference	236	-32	-461	-325	-395	-166	-112	0	0	0	0	0
Percent Difference	82.6%	-11.6%	-13.9%	-31.0%	-14.2%	-23.9%	-19.6%				0.0%	0.0%
Dry (22%)												
No Action Alternative	46	180	5,387	542	1,722	701	308	77	67	48	61	73
Alternative A	46	217	5,095	377	1,556	531	308	77	67	48	61	74
Difference	0	37	-292	-166	-166	-170	0	0	0	0	0	0
Percent Difference		20.8%	-5.4%	-30.5%	-9.6%	-24.2%	0.0%	0.0%				
Critical (15%)												
No Action Alternative	56	22	303	318	363	292	107	68	64	48	54	70
Alternative A	44	27	296	127	367	109	107	68	64	48	54	70
Difference	-12	5	-7	-191	4	-183	0	0	0	0	0	0
Percent Difference	-21.4%	22.4%	-2.3%	-60.1%	1.1%	-62.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

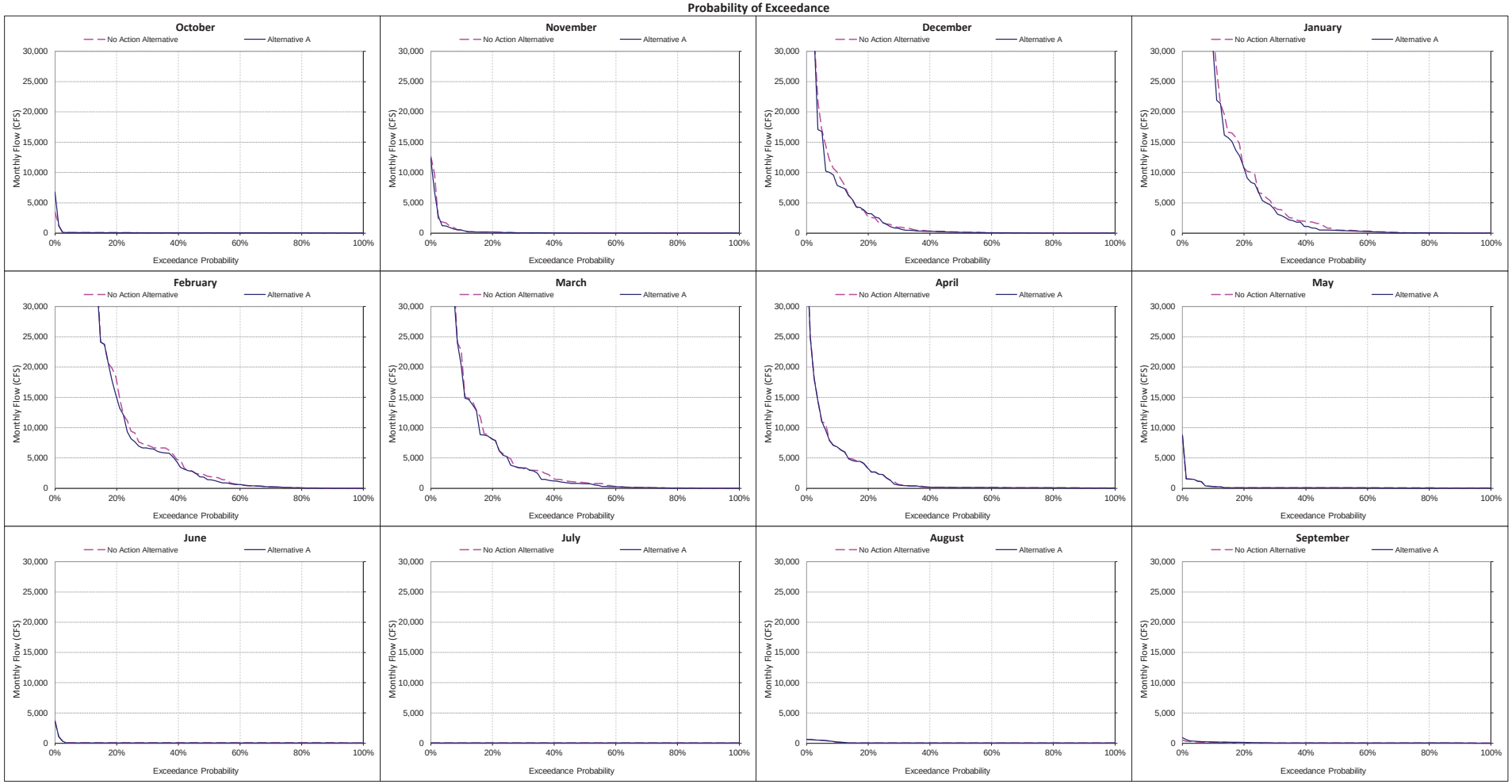


Table SW-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,483	6,785	3,302	94.8%
1.2%	1,201	1,201	0	0.0%
2.5%	138	126	-12	-8.6%
3.7%	132	93	-39	-29.4%
4.9%	100	76	-24	-23.8%
6.2%	93	75	-18	-19.3%
7.4%	76	64	-12	-15.6%
8.6%	75	63	-12	-15.8%
9.9%	64	63	-1	-1.4%
11.1%	63	63	0	-0.1%
12.3%	63	63	0	0.0%
13.6%	63	63	0	0.0%
14.8%	63	63	0	-0.7%
16.0%	63	63	0	-0.7%
17.3%	63	63	0	-0.3%
18.5%	63	62	-1	-1.8%
19.8%	63	62	-1	-1.8%
21.0%	62	61	0	-0.7%
22.2%	62	61	0	-0.7%
23.5%	61	61	0	-0.4%
24.7%	61	61	0	-0.7%
25.9%	61	60	-1	-1.1%
27.2%	61	60	-1	-1.1%
28.4%	60	59	-1	-1.8%
29.6%	60	58	-2	-3.7%
30.9%	59	58	-2	-3.0%
32.1%	58	56	-2	-2.7%
33.3%	58	54	-3	-5.5%
34.6%	56	54	-2	-3.5%
35.8%	54	54	0	-0.7%
37.0%	54	54	0	-0.8%
38.3%	54	53	-1	-1.2%
39.5%	54	53	-1	-1.2%
40.7%	53	53	0	-0.8%
42.0%	53	53	0	-0.8%
43.2%	53	52	0	-0.7%
44.4%	52	52	0	-0.6%
45.7%	52	50	-2	-3.0%
46.9%	50	49	-2	-3.3%
48.1%	49	46	-3	-5.7%
49.4%	46	45	0	-0.9%
50.6%	45	45	-1	-1.4%
51.9%	45	45	0	-0.5%
53.1%	45	44	-1	-1.4%
54.3%	44	43	0	-1.1%
55.6%	43	43	0	-0.5%
56.8%	43	42	-1	-2.0%
58.0%	42	42	0	-0.3%
59.3%	42	40	-2	-4.4%
60.5%	40	40	0	0.0%
61.7%	39	39	0	0.0%
63.0%	38	38	0	0.0%
64.2%	38	38	0	0.0%
65.4%	37	37	0	0.0%
66.7%	37	37	0	0.0%
67.9%	36	36	0	0.0%
69.1%	30	35	5	18.2%
70.4%	29	30	1	2.3%
71.6%	29	29	0	1.6%
72.8%	26	26	0	0.0%
74.1%	24	24	0	0.0%
75.3%	22	22	0	0.0%
76.5%	20	20	0	0.0%
77.8%	19	19	0	0.0%
79.0%	18	18	0	0.0%
80.2%	17	17	0	0.0%
81.5%	16	16	0	0.0%
82.7%	15	15	0	0.0%
84.0%	14	14	0	0.0%
85.2%	12	12	0	0.0%
86.4%	12	12	0	0.0%
87.7%	11	11	0	0.0%
88.9%	9	9	0	0.0%
90.1%	6	6	0	0.0%
91.4%	5	5	0	
92.6%	3	3	0	
93.8%	3	3	0	
95.1%	3	3	0	
96.3%	2	2	0	
97.5%	1	1	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,700	12,393	-307	-2.4%
1.2%	9,819	6,848	-2,971	-30.3%
2.5%	2,057	2,812	755	36.7%
3.7%	1,840	1,209	-631	-34.3%
4.9%	1,666	1,157	-509	-30.6%
6.2%	1,168	933	-235	-20.1%
7.4%	933	655	-277	-29.7%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	51	-14	-21.9%
28.4%	51	50	-1	-1.6%
29.6%	50	49	-1	-2.4%
30.9%	49	38	-11	-23.2%
32.1%	37	37	0	0.0%
33.3%	36	36	1	1.4%
34.6%	35	36	1	1.4%
35.8%	35	35	0	0.0%
37.0%	25	35	10	40.0%
38.3%	20	25	5	
39.5%	12	24	12	
40.7%	10	12	2	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	10	0	
48.1%	9	9	1	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	9	0	
53.1%	7	8	1	
54.3%	7	8	1	
55.6%	7	7	1	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	5	7	1	
60.5%	5	6	1	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	4	5	0	
65.4%	3	5	2	
66.7%	2	4	2	
67.9%	1	3	2	
69.1%	0	2	1	
70.4%	0	1	1	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,534	55,652	118	0.2%
1.2%	33,854	33,820	-33	-0.1%
2.5%	32,587	33,087	500	1.5%
3.7%	21,703	17,077	-4,625	-21.3%
4.9%	17,072	16,749	-323	-1.9%
6.2%	14,512	10,230	-4,282	-29.5%
7.4%	12,098	10,012	-2,086	-17.2%
8.6%	10,736	9,595	-1,142	-10.6%
9.9%	10,097	7,855	-2,242	-22.2%
11.1%	8,912	7,599	-1,313	-14.7%
12.3%	7,896	7,320	-577	-7.3%
13.6%	6,264	6,195	-70	-1.1%
14.8%	5,603	5,538	-65	-1.2%
16.0%	4,427	4,308	-119	-2.7%
17.3%	3,872	4,219	347	9.0%
18.5%	3,804	3,827	23	0.6%
19.8%	2,817	3,222	405	14.4%
21.0%	2,614	3,176	562	21.5%
22.2%	2,489	2,635	145	5.8%
23.5%	1,715	2,476	761	44.4%
24.7%	1,711	1,736	25	1.5%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	828	-220	-21.0%
29.6%	976	800	-176	-18.0%
30.9%	967	605	-362	-37.4%
32.1%	800	470	-330	-41.3%
33.3%	790	442	-347	-44.0%
34.6%	605	411	-194	-32.0%
35.8%	470	350	-120	-25.6%
37.0%	442	330	-112	-25.4%
38.3%	411	294	-117	-28.5%
39.5%	350	285	-65	-18.6%
40.7%	330	280	-50	-15.3%
42.0%	294	265	-29	-9.9%
43.2%	281	195	-86	-30.7%
44.4%	280	192	-88	-31.4%
45.7%	265	158	-107	-40.5%
46.9%	195	158	-37	-19.2%
48.1%	192	138	-54	-28.0%
49.4%	178	135	-43	-24.3%
50.6%	158	122	-36	
51.9%	138	107	-31	
53.1%	135	102	-33	
54.3%	122	93	-29	
55.6%	107	91	-16	
56.8%	93	81	-11	
58.0%	81	63	-18	
59.3%	63	57	-7	
60.5%	57	57	0	
61.7%	55	42	-13	
63.0%	42	42	0	
64.2%	42	41	-2	
65.4%	41	37	-3	
66.7%	37	23	-15	
67.9%	23	20	-3	
69.1%	20	13	-7	
70.4%	13	10	-3	
71.6%	10	5	-5	
72.8%	5	1	-4	
74.1%	1	0	-1	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	132,314	128,749	-3,566	-2.7%
1.2%	113,962	111,667	-2,295	-2.0%
2.5%	68,026	62,884	-5,141	-7.6%
3.7%	56,479	56,504	25	0.0%
4.9%	44,787	40,972	-3,815	-8.5%
6.2%	38,831	39,053	222	0.6%
7.4%	35,544	35,202	-342	-1.0%
8.6%	33,626	31,650	-1,976	-5.9%
9.9%	33,533	30,668	-2,865	-8.5%
11.1%	27,199	21,911	-5,288	-19.4%
12.3%	21,343	21,343	0	0.0%
13.6%	19,652	16,152	-3,499	-17.8%
14.8%	16,637	15,735	-902	-5.4%
16.0%	16,541	15,101	-1,439	-8.7%
17.3%	15,813	13,691	-2,122	-13.4%
18.5%	14,737	12,754	-1,984	-13.5%
19.8%	10,898	11,077	179	1.6%
21.0%	10,224	9,100	-1,125	-11.0%
22.2%	10,057	8,375	-1,682	-16.7%
23.5%	9,767	8,132	-1,635	-16.7%
24.7%	6,690	6,708	18	0.3%
25.9%	6,499	5,349	-1,149	-17.7%
27.2%	5,874	4,970	-905	-15.4%
28.4%	5,341	4,709	-633	-11.8%
29.6%	4,307	4,020	-287	-6.7%
30.9%	3,894	3,081	-813	-20.9%
32.1%	3,841	2,871	-969	-25.2%
33.3%	3,202	2,547	-655	-20.5%
34.6%	2,539	2,165	-374	-14.7%
35.8%	2,455	2,041	-414	-16.9%
37.0%	2,143	1,820	-324	-15.1%
38.3%	2,025	1,805	-220	-10.9%
39.5%	1,973	1,088	-885	-44.8%
40.7%	1,844	1,085	-759	-41.2%
42.0%	1,822	859	-963	-52.8%
43.2%	1,619	792	-827	-51.1%
44.4%	1,531	517	-1,014	-66.2%
45.7%	1,196	493	-703	-58.8%
46.9%	849	490	-360	-42.4%
48.1%	792	475	-317	-40.1%
49.4%	517	452	-65	-12.6%
50.6%	490	444	-46	-9.3%
51.9%	480	397	-83	
53.1%	447	374	-73	
54.3%	444	371	-73	
55.6%	397	342	-55	
56.8%	371	327	-45	
58.0%	342	281	-60	
59.3%	327	241	-86	
60.5%	326	232	-95	
61.7%	232	218	-14	
63.0%	218	214	-4	
64.2%	214	188	-26	
65.4%	188	132	-56	
66.7%	132	128	-3	
67.9%	128	102	-26	
69.1%	121	63	-57	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	59	59	0	
74.1%	50	50	0	
75.3%	40	40	0	
76.5%	37	40	2	
77.8%	37	37	0	
79.0%	31	37	6	
80.2%	28	37	9	
81.5%	26	31	5	
82.7%	26	26	0	
84.0%	21	26	5	
85.2%	21	21	1	
86.4%	7	21	14	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	124,217	123,229	-989	-0.8%
1.2%	111,977	113,524	1,547	1.4%
2.5%	78,828	75,780	-3,048	-3.9%
3.7%	66,577	66,579	2	0.0%
4.9%	65,305	65,335	30	0.0%
6.2%	49,718	48,796	-922	-1.9%
7.4%	45,689	47,948	2,259	4.9%
8.6%	44,758	43,775	-983	-2.2%
9.9%	44,641	42,529	-2,112	-4.7%
11.1%	41,339	41,306	-34	-0.1%
12.3%	40,903	37,232	-3,672	-9.0%
13.6%	36,410	34,020	-2,390	-6.6%
14.8%	24,165	24,116	-49	-0.2%
16.0%	23,731	23,751	20	0.1%
17.3%	20,629	20,648	19	0.1%
18.5%	19,815	17,748	-2,067	-10.4%
19.8%	18,422	15,428	-2,993	-16.2%
21.0%	14,808	13,241	-1,568	-10.6%
22.2%	12,092	12,107	15	0.1%
23.5%	11,163	9,335	-1,828	-16.4%
24.7%	9,422	8,151	-1,271	-13.5%
25.9%	9,126	7,649	-1,477	-16.2%
27.2%	7,655	6,934	-721	-9.4%
28.4%	7,376	6,674	-702	-9.5%
29.6%	7,210	6,656	-555	-7.7%
30.9%	6,945	6,517	-429	-6.2%
32.1%	6,672	6,460	-212	-3.2%
33.3%	6,654	6,060	-594	-8.9%
34.6%	6,651	5,920	-731	-11.0%
35.8%	6,648	5,826	-823	-12.4%
37.0%	6,292	5,802	-490	-7.8%
38.3%	5,608	5,187	-421	-7.5%
39.5%	4,759	4,416	-343	-7.2%
40.7%	4,631	3,422	-1,209	-26.1%
42.0%	3,322	3,153	-169	-5.1%
43.2%	2,887	2,894	7	0.3%
44.4%	2,823	2,828	5	0.2%
45.7%	2,410	2,418	8	0.3%
46.9%	2,361	1,890	-471	-20.0%
48.1%	2,309	1,827	-483	-20.9%
49.4%	1,999	1,406	-593	-29.7%
50.6%	1,882	1,365	-517	-27.5%
51.9%	1,819	1,277	-542	-29.8%
53.1%	1,720	1,031	-690	-40.1%
54.3%	1,406	880	-527	-37.4%
55.6%	1,365	879	-486	-35.6%
56.8%	879	744	-135	-15.4%
58.0%	744	629	-114	-15.4%
59.3%	629	625	-4	-0.7%
60.5%	596	596	0	
61.7%	468	468	0	
63.0%	425	425	0	
64.2%	389	389	0	
65.4%	389	389	0	
66.7%	355	355	0	
67.9%	303	303	0	
69.1%	229	243	14	
70.4%	227	229	2	
71.6%	219	219	0	
72.8%	193	193	0	
74.1%	137	137	0	
75.3%	112	112	0	
76.5%	110	110	0	
77.8%	85	85	0	
79.0%	81	81	0	
80.2%	52	52	0	
81.5%	41	50	9	
82.7%	26	26	0	
84.0%	26	26	0	
85.2%	22	24	2	
86.4%	19	19	0	
87.7%	3	2	-1	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	118,509	118,515	5	0.0%
1.2%	114,483	109,126	-5,357	-4.7%
2.5%	65,783	65,798	15	0.0%
3.7%	46,880	43,875	-3,005	-6.4%
4.9%	42,175	42,173	-2	0.0%
6.2%	38,596	36,064	-2,532	-6.6%
7.4%	36,054	32,680	-3,374	-9.4%
8.6%	24,075	24,085	11	0.0%
9.9%	22,765	20,295	-2,470	-10.9%
11.1%	15,093	14,860	-233	-1.5%
12.3%	14,868	14,667	-201	-1.4%
13.6%	14,318	13,769	-549	-3.8%
14.8%	12,842	12,847	5	0.0%
16.0%	11,819	8,841	-2,978	-25.2%
17.3%	9,049	8,813	-236	-2.6%
18.5%	8,849	8,623	-226	-2.5%
19.8%	8,178	8,174	-4	0.0%
21.0%	7,854	7,863	9	0.1%
22.2%	6,211	6,214	3	0.0%
23.5%	5,699	5,462	-237	-4.2%
24.7%	5,223	5,232	9	0.2%
25.9%	4,862	3,823	-1,040	-21.4%
27.2%	3,623	3,623	0	0.0%
28.4%	3,431	3,378	-53	-1.5%
29.6%	3,350	3,359	9	0.3%
30.9%	3,128	3,333	205	6.5%
32.1%	2,984	2,986	2	0.1%
33.3%	2,975	2,837	-137	-4.6%
34.6%	2,937	2,485	-452	-15.4%
35.8%	2,835	1,488	-1,346	-47.5%
37.0%	2,485	1,450	-1,035	-41.7%
38.3%	2,241	1,306	-935	-41.7%
39.5%	1,601	1,208	-393	-24.6%
40.7%	1,480	1,169	-311	-21.0%
42.0%	1,446	1,028	-418	-28.9%
43.2%	1,306	969	-337	-25.8%
44.4%	1,169	868	-301	-25.8%
45.7%	1,088	799	-289	-26.6%
46.9%	1,028	780	-248	-24.1%
48.1%	982	778	-204	-20.7%
49.4%	969	775	-193	-20.0%
50.6%	865	738	-126	-14.6%
51.9%	798	697	-100	-12.6%
53.1%	780	550	-230	-29.5%
54.3%	778	475	-304	-39.0%
55.6%	772	313	-460	-59.5%
56.8%	475	306	-169	-35.6%
58.0%	464	268	-196	-42.2%
59.3%	313	257	-56	
60.5%	257	244	-13	
61.7%	244	220	-24	
63.0%	220	169	-50	
64.2%	169	150	-20	
65.4%	150	148	-2	
66.7%	148	130	-18	
67.9%	130	119	-11	
69.1%	119	113	-6	
70.4%	113	80	-33	
71.6%	80	77	-3	
72.8%	77	65	-12	
74.1%	65	62	-4	
75.3%	62	49	-13	
76.5%	50	48	-2	
77.8%	49	47	-2	
79.0%	47	45	-2	
80.2%	45	36	-9	
81.5%	36	30	-6	
82.7%	30	28	-2	
84.0%	28	19	-9	
85.2%	19	13	-6	
86.4%	13	7	-6	
87.7%	7	7	0	
88.9%	7	7	0	
90.1%	7	4	-3	
91.4%	4	2	-1	
92.6%	2	0	-2	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,036	41,044	8	0.0%
1.2%	24,931	24,925	-6	0.0%
2.5%	18,192	18,193	1	0.0%
3.7%	14,426	14,423	-3	0.0%
4.9%	10,979	10,981	1	0.0%
6.2%	10,730	9,557	-1,173	-10.9%
7.4%	7,898	7,893	-5	-0.1%
8.6%	7,096	7,096	0	0.0%
9.9%	6,839	6,840	1	0.0%
11.1%	6,314	6,316	2	0.0%
12.3%	5,983	5,988	5	0.1%
13.6%	4,932	4,846	-86	-1.7%
14.8%	4,846	4,556	-290	-6.0%
16.0%	4,555	4,458	-97	-2.1%
17.3%	4,458	4,420	-38	-0.8%
18.5%	4,099	4,097	-2	0.0%
19.8%	3,336	3,336	0	0.0%
21.0%	2,671	2,671	0	0.0%
22.2%	2,662	2,662	0	0.0%
23.5%	2,293	2,293	0	0.0%
24.7%	2,264	2,265	1	0.0%
25.9%	1,697	1,697	1	0.0%
27.2%	1,315	1,315	0	0.0%
28.4%	1,095	668	-427	-39.0%
29.6%	668	558	-110	-16.5%
30.9%	558	445	-113	-20.2%
32.1%	445	418	-27	-6.1%
33.3%	418	388	-30	-7.1%
34.6%	388	385	-4	-0.9%
35.8%	385	383	-2	-0.5%
37.0%	383	250	-132	-34.6%
38.3%	250	198	-53	-21.0%
39.5%	198	176	-22	-11.0%
40.7%	179	172	-7	-4.0%
42.0%	176	167	-9	-5.3%
43.2%	167	159	-8	-4.7%
44.4%	159	150	-9	-5.6%
45.7%	150	142	-8	-5.3%
46.9%	142	139	-3	-2.2%
48.1%	139	139	0	-0.2%
49.4%	139	131	-8	-5.7%
50.6%	131	120	-11	-8.6%
51.9%	120	119	0	
53.1%	119	119	0	
54.3%	119	116	-3	
55.6%	116	115	-1	
56.8%	115	114	-1	
58.0%	114	112	-2	
59.3%	112	111	-1	
60.5%	111	111	-1	
61.7%	111	109	-2	
63.0%	109	103	-6	
64.2%	103	99	-3	
65.4%	99	95	-4	
66.7%	95	95	-1	
67.9%	95	90	-4	
69.1%	90	87	-3	
70.4%	87	87	0	
71.6%	87	86	-1	
72.8%	86	85	-1	
74.1%	85	85	0	
75.3%	85	82	-3	
76.5%	82	81	0	
77.8%	81	80	-1	
79.0%	80	78	-2	
80.2%	78	76	-2	
81.5%	76	72	-4	
82.7%	72	71	-2	
84.0%	71	65	-5	
85.2%	65	64	-1	
86.4%	64	62	-2	
87.7%	62	58	-5	
88.9%	58	56	-2	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	50	-4	
96.3%	50	49	-1	
97.5%	49	45	-4	
98.8%	45	43	-2	
100.0%	42	42	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,809	8,776	-34	-0.4%
1.2%	1,544	1,545	1	0.0%
2.5%	1,506	1,507	1	0.0%
3.7%	1,485	1,486	1	0.1%
4.9%	1,187	1,166	-20	-1.7%
6.2%	1,078	1,076	-3	-0.2%
7.4%	394	394	1	0.2%
8.6%	326	327	1	0.2%
9.9%	278	278	0	0.0%
11.1%	256	249	-7	-2.8%
12.3%	248	248	0	0.0%
13.6%	82	82	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	77	77	0	0.0%
23.5%	77	77	0	0.0%
24.7%	77	77	0	0.0%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	74	74	0	0.0%
29.6%	73	73	0	0.0%
30.9%	73	73	0	0.0%
32.1%	73	73	0	0.0%
33.3%	72	72	0	0.0%
34.6%	72	72	0	0.0%
35.8%	71	71	0	0.0%
37.0%	71	71	0	0.0%
38.3%	71	71	0	0.0%
39.5%	70	70	0	0.0%
40.7%	70	70	0	0.0%
42.0%	70	70	0	0.0%
43.2%	70	70	0	0.0%
44.4%	69	69	0	0.0%
45.7%	69	69	0	0.0%
46.9%	69	69	0	0.0%
48.1%	68	68	0	0.0%
49.4%	68	68	0	0.0%
50.6%	68	68	0	0.0%
51.9%	68	68	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	66	66	0	0.0%
56.8%	66	66	0	0.0%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.0%
60.5%	64	64	0	0.0%
61.7%	64	64	0	0.0%
63.0%	64	64	0	0.0%
64.2%	64	64	0	0.0%
65.4%	64	64	0	0.0%
66.7%	63	63	0	0.0%
67.9%	63	63	0	0.0%
69.1%	63	63	0	0.0%
70.4%	63	63	0	0.0%
71.6%	63	63	0	0.0%
72.8%	62	62	0	0.0%
74.1%	62	62	0	0.0%
75.3%	61	61	0	0.0%
76.5%	61	61	0	0.0%
77.8%	60	60	0	0.0%
79.0%	59	59	0	0.0%
80.2%	58	58	0	0.0%
81.5%	58	58	0	0.0%
82.7%	58	58	0	0.0%
84.0%	56	56	0	0.0%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	53	0	0.0%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.0%
95.1%	50	50	0	0.0%
96.3%	47	47	0	0.0%
97.5%	46	46	0	0.0%
98.8%	45	45	0	0.0%
100.0%	40	40	0	0.0%

Table SW-31-3b
Yolo Bypass, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,730	3,645	-85	-2.3%
1.2%	1,081	1,082	0	0.0%
2.5%	349	349	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	48	0	0.0%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	628	0	0.0%
1.2%	610	610	0	0.0%
2.5%	549	549	0	0.0%
3.7%	502	502	0	0.0%
4.9%	486	486	0	0.0%
6.2%	431	431	0	0.0%
7.4%	366	366	0	0.0%
8.6%	302	302	0	0.0%
9.9%	165	172	7	4.1%
11.1%	164	164	0	0.0%
12.3%	126	126	0	0.0%
13.6%	60	60	0	0.0%
14.8%	55	55	0	0.0%
16.0%	55	55	0	0.0%
17.3%	55	55	0	0.0%
18.5%	55	55	0	0.0%
19.8%	55	55	0	0.0%
21.0%	55	55	0	0.0%
22.2%	55	55	0	0.0%
23.5%	55	55	0	0.0%
24.7%	55	55	0	0.0%
25.9%	55	55	0	0.0%
27.2%	55	55	0	0.0%
28.4%	55	55	0	0.0%
29.6%	55	55	0	0.0%
30.9%	55	55	0	0.0%
32.1%	55	55	0	0.0%
33.3%	55	55	0	0.0%
34.6%	55	55	0	0.0%
35.8%	55	55	0	0.0%
37.0%	55	55	0	0.0%
38.3%	55	55	0	0.0%
39.5%	55	55	0	0.0%
40.7%	55	55	0	0.0%
42.0%	55	55	0	0.0%
43.2%	55	55	0	0.0%
44.4%	55	55	0	0.0%
45.7%	55	55	0	0.0%
46.9%	55	55	0	0.0%
48.1%	55	55	0	0.0%
49.4%	55	55	0	0.0%
50.6%	55	55	0	0.0%
51.9%	55	55	0	0.0%
53.1%	55	55	0	0.0%
54.3%	55	55	0	0.0%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.0%
76.5%	55	55	0	0.0%
77.8%	55	55	0	0.0%
79.0%	55	55	0	0.0%
80.2%	55	55	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	54	54	0	0.0%
87.7%	54	54	0	0.0%
88.9%	54	54	0	0.0%
90.1%	54	54	0	0.0%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	53	53	0	0.0%
96.3%	52	52	0	0.0%
97.5%	50	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	42	42	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	525	945	421	80.1%
1.2%	351	589	238	67.9%
2.5%	274	366	92	33.7%
3.7%	251	355	104	41.7%
4.9%	192	326	134	69.8%
6.2%	168	274	106	62.8%
7.4%	164	258	93	56.6%
8.6%	164	251	86	52.4%
9.9%	164	192	28	16.7%
11.1%	162	169	8	4.9%
12.3%	161	168	7	4.2%
13.6%	153	164	11	7.2%
14.8%	128	164	36	28.2%
16.0%	96	164	69	71.9%
17.3%	88	162	73	83.0%
18.5%	72	153	82	114.3%
19.8%	64	128	64	100.3%
21.0%	62	115	54	86.8%
22.2%	61	96	35	56.9%
23.5%	60	88	29	47.7%
24.7%	59	80	21	34.8%
25.9%	59	72	12	20.8%
27.2%	59	64	5	8.0%
28.4%	59	61	2	2.9%
29.6%	59	60	0	0.8%
30.9%	59	59	0	0.1%
32.1%	59	59	0	0.0%
33.3%	59	59	0	0.0%
34.6%	59	59	0	0.0%
35.8%	59	59	0	0.0%
37.0%	59	59	0	0.0%
38.3%	59	59	0	0.0%
39.5%	59	59	0	0.0%
40.7%	59	59	0	0.0%
42.0%	59	59	0	0.0%
43.2%	59	59	0	0.0%
44.4%	59	59	0	0.0%
45.7%	59	59	0	0.0%
46.9%	59	59	0	0.0%
48.1%	59	59	0	0.0%
49.4%	59	59	0	0.0%
50.6%	59	59	0	0.0%
51.9%	59	59	0	0.0%
53.1%	59	59	0	0.0%
54.3%	59	59	0	0.0%
55.6%	59	59	0	0.0%
56.8%	59	59	0	0.2%
58.0%	59	59	0	0.2%
59.3%	59	59	0	0.2%
60.5%	59	59	0	0.5%
61.7%	59	59	0	0.4%
63.0%	59	59	0	0.6%
64.2%	59	59	1	1.1%
65.4%	59	59	0	0.7%
66.7%	58	59	1	1.1%
67.9%	58	59	0	0.4%
69.1%	58	58	0	0.0%
70.4%	58	58	0	0.5%
71.6%	58	58	0	0.5%
72.8%	57	58	1	1.3%
74.1%	57	58	1	1.6%
75.3%	57	57	1	1.3%
76.5%	56	57	1	2.0%
77.8%	56	57	1	1.2%
79.0%	55	56	0	0.8%
80.2%	55	55	0	0.6%
81.5%	55	55	0	0.4%
82.7%	55	55	0	0.6%
84.0%	55	55	0	0.0%
85.2%	54	55	1	1.7%
86.4%	53	54	0	0.4%
87.7%	53	53	1	1.1%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	51	51	0	0.0%
93.8%	50	50	0	0.0%
95.1%	49	49	0	0.0%
96.3%	45	45	0	0.0%
97.5%	24	24	0	0.0%
98.8%	23	23	0	0.0%
100.0%	23	23	0	0.0%

Table SW-32-3a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,113	11,761	21,808	36,607	43,748	35,570	21,369	15,233	9,854	10,571	7,897	11,368
Alternative A	7,025	12,416	21,194	35,095	42,405	34,242	21,150	15,238	10,273	12,016	8,477	12,218
Difference	912	655	-614	-1,512	-1,343	-1,328	-219	5	419	1,445	581	850
Percent Difference[3]	14.9%	5.6%	-2.8%	-4.1%	-3.1%	-3.7%	-1.0%	0.0%	4.3%	13.7%	7.4%	7.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,204	16,661	24,661	69,998	79,890	63,502	38,396	26,691	16,443	10,904	8,560	21,672
Alternative A	10,055	17,264	23,713	68,422	78,643	62,834	38,271	26,726	17,334	12,468	8,694	22,624
Difference	1,851	604	-948	-1,575	-1,246	-668	-125	34	890	1,564	134	952
Percent Difference	22.6%	3.6%	-3.8%	-2.3%	-1.6%	-1.1%	-0.3%	0.1%	5.4%	14.3%	1.6%	4.4%
Above Normal (15%)												
No Action Alternative	6,408	13,579	21,114	40,531	50,459	45,585	22,716	16,694	9,945	12,300	8,916	12,009
Alternative A	7,308	14,847	20,047	37,813	48,343	43,994	22,288	16,624	9,860	15,656	9,032	12,541
Difference	900	1,268	-1,067	-2,718	-2,115	-1,591	-428	-71	-86	3,356	116	532
Percent Difference	14.1%	9.3%	-5.1%	-6.7%	-4.2%	-3.5%	-1.9%	-0.4%	-0.9%	27.3%	1.3%	4.4%
Below Normal (17%)												
No Action Alternative	6,600	11,868	25,744	20,280	29,020	19,870	14,420	10,613	6,937	11,865	8,383	6,096
Alternative A	7,520	12,707	25,680	18,056	27,916	18,089	14,114	10,446	7,468	13,030	8,792	7,235
Difference	920	839	-65	-2,224	-1,104	-1,781	-306	-167	531	1,166	409	1,139
Percent Difference	13.9%	7.1%	-0.3%	-11.0%	-3.8%	-9.0%	-2.1%	-1.6%	7.7%	9.8%	4.9%	18.7%
Dry (22%)												
No Action Alternative	4,539	8,480	23,222	14,834	19,424	17,402	10,437	7,952	6,155	10,363	8,376	5,425
Alternative A	4,534	9,028	22,915	13,998	17,974	15,195	10,109	8,054	6,346	11,198	9,464	6,260
Difference	-4	548	-307	-837	-1,450	-2,207	-329	102	191	834	1,088	835
Percent Difference	-0.1%	6.5%	-1.3%	-5.6%	-7.5%	-12.7%	-3.1%	1.3%	3.1%	8.1%	13.0%	15.4%
Critical (15%)												
No Action Alternative	3,080	4,123	9,605	12,044	12,401	10,605	7,638	5,259	4,436	6,921	4,155	3,470
Alternative A	3,335	4,222	9,069	11,694	11,500	9,954	7,689	5,331	4,552	7,437	5,606	4,100
Difference	255	99	-536	-350	-901	-650	51	72	117	515	1,452	630
Percent Difference	8.3%	2.4%	-5.6%	-2.9%	-7.3%	-6.1%	0.7%	1.4%	2.6%	7.4%	34.9%	18.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-32-3b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

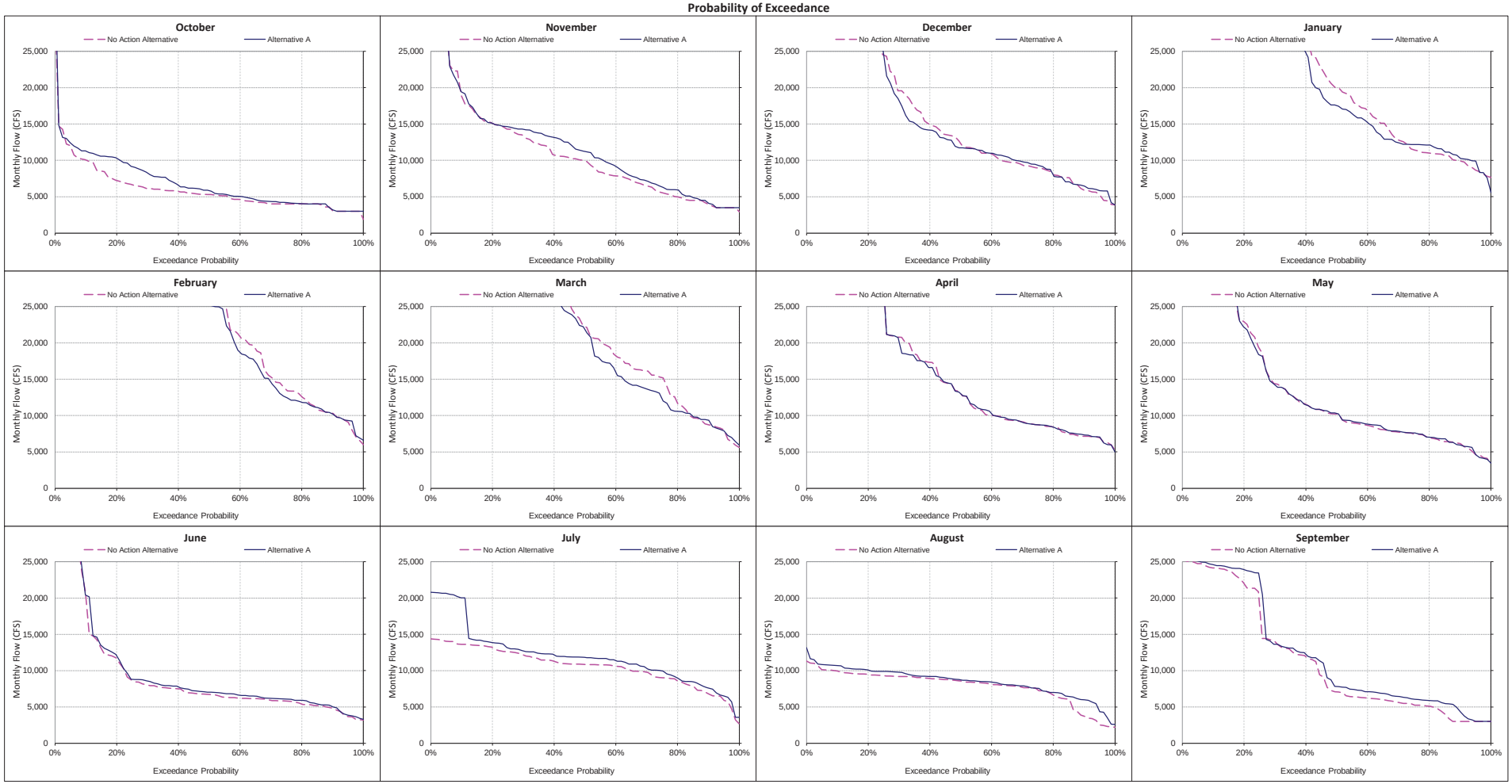


Table SW-32-3b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,384	36,470	5,086	16.2%
1.2%	14,729	14,824	96	0.6%
2.5%	14,289	13,176	-1,114	-7.8%
3.7%	12,252	13,016	763	6.2%
4.9%	12,047	12,432	385	3.2%
6.2%	10,735	11,988	1,253	11.7%
7.4%	10,324	11,676	1,352	13.1%
8.6%	10,206	11,326	1,120	11.0%
9.9%	10,088	11,313	1,225	12.1%
11.1%	9,847	11,057	1,211	12.3%
12.3%	9,730	10,958	1,228	12.6%
13.6%	8,636	10,764	2,128	24.6%
14.8%	8,565	10,576	2,012	23.5%
16.0%	8,431	10,574	2,143	25.4%
17.3%	7,672	10,498	2,826	36.8%
18.5%	7,486	10,485	2,999	40.1%
19.8%	7,268	10,356	3,087	42.5%
21.0%	7,120	10,059	2,940	41.3%
22.2%	6,935	9,717	2,782	40.1%
23.5%	6,821	9,616	2,795	41.0%
24.7%	6,687	9,167	2,480	37.1%
25.9%	6,510	9,047	2,537	39.0%
27.2%	6,455	8,820	2,365	36.6%
28.4%	6,347	8,614	2,267	35.7%
29.6%	6,136	8,375	2,238	36.5%
30.9%	6,126	8,015	1,889	30.8%
32.1%	6,044	7,772	1,728	28.6%
33.3%	6,038	7,756	1,718	28.4%
34.6%	5,997	7,696	1,700	28.3%
35.8%	5,867	7,689	1,822	31.1%
37.0%	5,839	7,256	1,417	24.3%
38.3%	5,817	7,030	1,213	20.8%
39.5%	5,800	6,733	933	16.1%
40.7%	5,668	6,369	701	12.4%
42.0%	5,649	6,354	705	12.5%
43.2%	5,466	6,185	719	13.2%
44.4%	5,465	6,167	702	12.9%
45.7%	5,404	6,147	743	13.7%
46.9%	5,352	6,059	707	13.2%
48.1%	5,326	5,914	588	11.0%
49.4%	5,320	5,904	584	11.0%
50.6%	5,305	5,758	453	8.5%
51.9%	5,234	5,460	226	4.3%
53.1%	5,179	5,393	215	4.1%
54.3%	5,132	5,371	238	4.6%
55.6%	5,114	5,300	187	3.6%
56.8%	4,754	5,179	425	8.9%
58.0%	4,640	5,074	434	9.4%
59.3%	4,632	5,050	418	9.0%
60.5%	4,616	5,029	413	9.0%
61.7%	4,444	4,905	461	10.4%
63.0%	4,404	4,831	427	9.7%
64.2%	4,310	4,729	419	9.7%
65.4%	4,220	4,553	334	7.9%
66.7%	4,215	4,433	218	5.2%
67.9%	4,194	4,399	205	4.9%
69.1%	4,027	4,369	342	8.5%
70.4%	4,000	4,342	342	8.5%
71.6%	4,000	4,324	324	8.1%
72.8%	4,000	4,229	229	5.7%
74.1%	4,000	4,223	223	5.6%
75.3%	4,000	4,182	182	4.5%
76.5%	4,000	4,127	127	3.2%
77.8%	4,000	4,111	111	2.8%
79.0%	4,000	4,048	48	1.2%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	3,880	4,000	120	3.1%
87.7%	3,611	4,000	389	10.8%
88.9%	3,592	3,492	-101	-2.8%
90.1%	3,000	3,193	193	6.4%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	2,992	3,000	8	0.3%
100.0%	1,887	3,000	1,113	59.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,173	58,695	-478	-0.8%
1.2%	51,030	47,403	-3,627	-7.1%
2.5%	41,956	40,213	-1,743	-4.2%
3.7%	31,375	30,816	-559	-1.8%
4.9%	29,068	29,996	928	3.2%
6.2%	23,055	22,915	-140	-0.6%
7.4%	22,290	21,754	-536	-2.4%
8.6%	22,289	20,772	-1,517	-6.8%
9.9%	18,943	19,434	491	2.6%
11.1%	17,757	19,167	1,410	7.9%
12.3%	17,604	17,776	172	1.0%
13.6%	17,064	17,320	256	1.5%
14.8%	16,275	16,466	192	1.2%
16.0%	15,900	15,764	-136	-0.9%
17.3%	15,411	15,723	312	2.0%
18.5%	15,392	15,231	-161	-1.0%
19.8%	15,148	15,133	-15	-0.1%
21.0%	14,892	14,915	23	0.2%
22.2%	14,815	14,840	25	0.2%
23.5%	14,616	14,702	86	0.6%
24.7%	14,300	14,645	345	2.4%
25.9%	14,271	14,550	278	2.0%
27.2%	13,806	14,422	615	4.5%
28.4%	13,593	14,301	708	5.2%
29.6%	13,521	14,296	775	5.7%
30.9%	13,040	14,205	1,165	8.9%
32.1%	12,861	14,175	1,313	10.2%
33.3%	12,466	13,879	1,413	11.3%
34.6%	12,359	13,799	1,440	11.7%
35.8%	12,097	13,721	1,625	13.4%
37.0%	12,042	13,443	1,401	11.6%
38.3%	11,878	13,299	1,422	12.0%
39.5%	10,828	13,180	2,352	21.7%
40.7%	10,641	13,089	2,447	23.0%
42.0%	10,559	12,922	2,363	22.4%
43.2%	10,528	12,539	2,010	19.1%
44.4%	10,423	12,493	2,070	19.9%
45.7%	10,240	12,039	1,799	17.6%
46.9%	10,220	11,551	1,331	13.0%
48.1%	10,093	11,421	1,328	13.2%
49.4%	10,021	11,275	1,254	12.5%
50.6%	9,829	11,157	1,328	13.5%
51.9%	9,304	11,063	1,759	18.9%
53.1%	8,923	10,377	1,454	16.3%
54.3%	8,419	10,333	1,914	22.7%
55.6%	8,334	10,071	1,737	20.8%
56.8%	8,100	9,769	1,669	20.6%
58.0%	8,002	9,560	1,558	19.5%
59.3%	7,887	9,365	1,478	18.7%
60.5%	7,845	9,030	1,185	15.1%
61.7%	7,811	8,643	832	10.7%
63.0%	7,616	8,295	679	8.9%
64.2%	7,423	8,006	583	7.9%
65.4%	7,154	7,774	620	8.7%
66.7%	6,928	7,662	734	10.6%
67.9%	6,798	7,357	559	8.2%
69.1%	6,581	7,282	701	10.6%
70.4%	6,460	7,127	667	10.3%
71.6%	6,304	6,892	588	9.3%
72.8%	5,877	6,741	864	14.7%
74.1%	5,649	6,485	836	14.8%
75.3%	5,506	6,281	775	14.1%
76.5%	5,387	6,011	624	11.6%
77.8%	5,278	5,986	708	13.4%
79.0%	5,027	5,985	958	19.1%
80.2%	4,950	5,922	971	19.6%
81.5%	4,825	5,352	526	10.9%
82.7%	4,576	5,088	512	11.2%
84.0%	4,500	5,085	585	13.0%
85.2%	4,500	4,854	354	7.9%
86.4%	4,500	4,740	240	5.3%
87.7%	4,500	4,500	0	0.0%
88.9%	4,196	4,500	304	7.3%
90.1%	3,945	4,074	129	3.3%
91.4%	3,683	3,956	273	7.4%
92.6%	3,500	3,500	0	0.0%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	2,928	3,500	572	19.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	121,583	121,711	128	0.1%
1.2%	80,437	77,088	-3,349	-4.2%
2.5%	79,307	74,025	-5,282	-6.7%
3.7%	77,355	73,351	-4,004	-5.2%
4.9%	70,727	71,365	638	0.9%
6.2%	60,037	59,573	-464	-0.8%
7.4%	59,468	59,305	-164	-0.3%
8.6%	58,046	57,963	-83	-0.1%
9.9%	57,686	57,493	-193	-0.3%
11.1%	55,261	53,015	-2,246	-4.1%
12.3%	47,185	43,049	-4,136	-8.8%
13.6%	45,211	40,867	-4,343	-9.6%
14.8%	43,482	40,039	-3,443	-7.9%
16.0%	34,606	36,205	1,600	4.6%
17.3%	33,948	36,040	2,091	6.2%
18.5%	33,702	32,387	-1,315	-3.9%
19.8%	32,755	32,020	-735	-2.2%
21.0%	32,678	30,036	-2,642	-8.1%
22.2%	29,845	27,997	-1,848	-6.2%
23.5%	27,263	26,586	-677	-2.5%
24.7%	24,526	25,358	832	3.4%
25.9%	24,313	21,620	-2,692	-11.1%
27.2%	22,247	20,583	-1,664	-7.5%
28.4%	21,880	19,186	-2,693	-12.3%
29.6%	19,580	18,508	-1,072	-5.5%
30.9%	19,562	17,466	-2,096	-10.7%
32.1%	19,015	16,196	-2,819	-14.8%
33.3%	18,477	15,403	-3,074	-16.6%
34.6%	17,557	15,255	-2,302	-13.1%
35.8%	16,942	14,874	-2,068	-12.2%
37.0%	16,663	14,445	-2,218	-13.3%
38.3%	15,419	14,286	-1,133	-7.3%
39.5%	15,051	14,180	-870	-5.8%
40.7%	14,807	14,136	-671	-4.5%
42.0%	14,636	13,886	-750	-5.1%
43.2%	14,178	13,146	-1,032	-7.3%
44.4%	13,606	13,100	-505	-3.7%
45.7%	13,506	12,828	-679	-5.0%
46.9%	13,399	12,769	-630	-4.7%
48.1%	13,279	11,944	-1,335	-10.1%
49.4%	12,698	11,736	-963	-7.6%
50.6%	11,921	11,717	-203	-1.7%
51.9%	11,799	11,643	-156	-1.3%
53.1%	11,776	11,634	-142	-1.2%
54.3%	11,597	11,614	16	0.1%
55.6%	11,559	11,418	-141	-1.2%
56.8%	11,010	11,396	386	3.5%
58.0%	10,983	11,077	94	0.9%
59.3%	10,977	10,980	3	0.0%
60.5%	10,777	10,954	177	1.6%
61.7%	10,362	10,737	375	3.6%
63.0%	9,977	10,704	727	7.3%
64.2%	9,868	10,569	700	7.1%
65.4%	9,781	10,420	639	6.5%
66.7%	9,696	10,133	437	4.5%
67.9%	9,685	9,969	284	2.9%
69.1%	9,527	9,923	396	4.2%
70.4%	9,270	9,763	492	5.3%
71.6%	9,265	9,702	436	4.7%
72.8%	9,130	9,480	350	3.8%
74.1%	9,014	9,462	448	5.0%
75.3%	8,919	9,288	369	4.1%
76.5%	8,856	9,151	295	3.3%
77.8%	8,647	8,810	163	1.9%
79.0%	8,473	8,776	303	3.6%
80.2%	7,996	7,801	-196	-2.4%
81.5%	7,931	7,714	-217	-2.7%
82.7%	7,672	7,709	37	0.5%
84.0%	7,629	7,039	-590	-7.7%
85.2%	7,597	7,034	-563	-7.4%
86.4%	6,798	6,743	-55	-0.8%
87.7%	6,694	6,667	-26	-0.4%
88.9%	6,134	6,609	475	7.7%
90.1%	5,861	6,463	602	10.3%
91.4%	5,825	6,159	333	5.7%
92.6%	5,662	6,096	434	7.7%
93.8%	5,627	6,021	394	7.0%
95.1%	5,247	5,839	591	11.3%
96.3%	4,500	5,798	1,298	28.8%
97.5%	4,446	5,786	1,340	30.1%
98.8%	3,939	4,203	264	6.7%
100.0%	3,874	3,887	13	0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200,996	197,532	-3,465	-1.7%
1.2%	181,522	179,205	-2,317	-1.3%
2.5%	133,631	127,886	-5,745	-4.3%
3.7%	119,022	119,048	26	0.0%
4.9%	102,413	98,075	-4,338	-4.2%
6.2%	96,892	95,431	-1,462	-1.5%
7.4%	95,130	92,539	-2,591	-2.7%
8.6%	88,148	90,068	1,920	2.2%
9.9%	88,029	84,617	-3,411	-3.9%
11.1%	86,969	79,683	-7,286	-8.4%
12.3%	71,671	71,659	-11	0.0%
13.6%	71,662	66,912	-4,750	-6.6%
14.8%	68,159	65,105	-3,053	-4.5%
16.0%	65,987	64,595	-1,392	-2.1%
17.3%	62,761	63,070	309	0.5%
18.5%	61,275	59,207	-2,068	-3.4%
19.8%	58,055	54,721	-3,334	-5.7%
21.0%	54,054	51,150	-2,904	-5.4%
22.2%	52,137	49,161	-2,975	-5.7%
23.5%	51,353	48,492	-2,861	-5.6%
24.7%	46,740	46,763	23	0.0%
25.9%	43,167	41,740	-1,427	-3.3%
27.2%	42,674	39,245	-3,429	-8.0%
28.4%	42,561	38,954	-3,607	-8.5%
29.6%	40,899	36,589	-4,310	-10.5%
30.9%	40,412	36,486	-3,926	-9.7%
32.1%	39,931	36,028	-3,903	-9.8%
33.3%	35,330	34,669	-660	-1.9%
34.6%	34,716	34,629	-87	-0.3%
35.8%	34,294	31,625	-2,668	-7.8%
37.0%	28,664	26,504	-2,159	-7.5%
38.3%	28,660	25,775	-2,885	-10.1%
39.5%	27,181	25,227	-1,955	-7.2%
40.7%	26,381	24,183	-2,199	-8.3%
42.0%	24,310	20,718	-3,592	-14.8%
43.2%	24,123	19,988	-4,135	-17.1%
44.4%	23,049	19,799	-3,250	-14.1%
45.7%	22,212	18,599	-3,613	-16.3%
46.9%	21,299	18,089	-3,210	-15.1%
48.1%	20,603	17,633	-2,970	-14.4%
49.4%	20,076	17,623	-2,453	-12.2%
50.6%	19,982	17,443	-2,540	-12.7%
51.9%	19,405	17,079	-2,326	-12.0%
53.1%	19,181	17,002	-2,178	-11.4%
54.3%	18,984	16,673	-2,311	-12.2%
55.6%	17,922	16,245	-1,677	-9.4%
56.8%	17,636	15,860	-1,775	-10.1%
58.0%	17,253	15,857	-1,396	-8.1%
59.3%	17,125	15,493	-1,632	-9.5%
60.5%	16,689	15,030	-1,659	-9.9%
61.7%	16,027	14,679	-1,348	-8.4%
63.0%	15,703	13,895	-1,808	-11.5%
64.2%	15,112	13,550	-1,562	-10.3%
65.4%	15,105	12,932	-2,173	-14.4%
66.7%	14,380	12,910	-1,470	-10.2%
67.9%	13,581	12,883	-698	-5.1%
69.1%	12,973	12,534	-438	-3.4%
70.4%	12,740	12,374	-365	-2.9%
71.6%	12,568	12,219	-348	-2.8%
72.8%	12,210	12,200	-10	-0.1%
74.1%	11,577	12,181	604	5.2%
75.3%	11,407	12,174	767	6.7%
76.5%	11,314	12,166	852	7.5%
77.8%	11,110	12,141	1,030	9.3%
79.0%	11,050	12,114	1,064	9.6%
80.2%	10,995	12,103	1,108	10.1%
81.5%	10,907	11,821	914	8.4%
82.7%	10,885	11,639	754	6.9%
84.0%	10,862	11,576	715	6.6%
85.2%	10,643	11,151	508	4.8%
86.4%	10,622	11,142	520	4.9%
87.7%	10,090	10,813	723	7.2%
88.9%	9,964	10,707	743	7.5%
90.1%	9,923	10,262	339	3.4%
91.4%	9,759	10,194	435	4.5%
92.6%	9,237	10,109	872	9.4%
93.8%	9,025	9,937	912	10.1%
95.1%	8,639	9,912	1,273	14.7%
96.3%	8,457	8,352	-105	-1.2%
97.5%	8,134	8,294	160	2.0%
98.8%	7,814	7,570	-244	-3.1%
100.0%	7,658	5,574	-2,084	-27.2%

Table SW-32-3b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	185,158	183,998	-1,161	-0.6%
1.2%	179,959	181,452	1,493	0.8%
2.5%	140,370	136,965	-3,405	-2.4%
3.7%	131,401	131,401	1	0.0%
4.9%	124,357	124,385	28	0.0%
6.2%	112,388	112,479	92	0.1%
7.4%	110,076	111,358	1,281	1.2%
8.6%	104,275	104,227	-48	0.0%
9.9%	103,682	101,146	-2,536	-2.4%
11.1%	101,743	100,542	-1,201	-1.2%
12.3%	101,344	97,252	-4,092	-4.0%
13.6%	90,473	87,648	-2,825	-3.1%
14.8%	81,413	81,337	-76	-0.1%
16.0%	76,771	76,789	17	0.0%
17.3%	76,126	76,150	24	0.0%
18.5%	70,591	67,360	-3,231	-4.6%
19.8%	65,332	65,345	13	0.0%
21.0%	65,029	62,432	-2,596	-4.0%
22.2%	64,040	61,023	-3,018	-4.7%
23.5%	60,951	59,458	-1,493	-2.5%
24.7%	57,007	57,036	29	0.1%
25.9%	56,800	56,180	-620	-1.1%
27.2%	52,797	51,800	-997	-1.9%
28.4%	52,584	50,844	-1,740	-3.3%
29.6%	51,289	49,778	-1,512	-2.9%
30.9%	48,689	45,499	-3,190	-6.6%
32.1%	48,111	44,168	-3,943	-8.2%
33.3%	47,471	43,613	-3,858	-8.1%
34.6%	46,481	42,904	-3,577	-7.7%
35.8%	45,300	42,874	-2,426	-5.4%
37.0%	43,765	42,417	-1,349	-3.1%
38.3%	43,419	41,447	-1,972	-4.5%
39.5%	42,653	40,490	-2,162	-5.1%
40.7%	41,307	38,931	-2,376	-5.8%
42.0%	40,761	37,634	-3,127	-7.7%
43.2%	38,162	35,447	-2,715	-7.1%
44.4%	35,432	34,538	-894	-2.5%
45.7%	31,724	29,021	-2,702	-8.5%
46.9%	31,320	27,933	-3,387	-10.8%
48.1%	30,111	27,587	-2,524	-8.4%
49.4%	28,620	25,701	-2,919	-10.2%
50.6%	28,617	25,143	-3,475	-12.1%
51.9%	28,574	24,973	-3,600	-12.6%
53.1%	27,387	24,952	-2,434	-8.9%
54.3%	27,302	24,664	-2,638	-9.7%
55.6%	24,625	22,340	-2,285	-9.3%
56.8%	21,737	21,619	-118	-0.5%
58.0%	21,731	20,176	-1,555	-7.2%
59.3%	21,244	18,970	-2,274	-10.7%
60.5%	20,570	18,479	-2,091	-10.2%
61.7%	20,370	18,314	-2,056	-10.1%
63.0%	19,790	17,921	-1,870	-9.4%
64.2%	19,676	17,756	-1,921	-9.8%
65.4%	18,870	17,109	-1,761	-9.3%
66.7%	18,622	16,095	-2,527	-13.6%
67.9%	16,257	15,165	-1,093	-6.7%
69.1%	15,551	15,099	-452	-2.9%
70.4%	15,165	14,361	-804	-5.3%
71.6%	14,583	13,740	-843	-5.8%
72.8%	14,530	13,039	-1,491	-10.3%
74.1%	13,927	12,654	-1,273	-9.1%
75.3%	13,388	12,415	-973	-7.3%
76.5%	13,376	12,123	-1,252	-9.4%
77.8%	13,366	12,108	-1,258	-9.4%
79.0%	13,015	11,985	-1,030	-7.9%
80.2%	12,478	11,812	-666	-5.3%
81.5%	12,127	11,752	-376	-3.1%
82.7%	11,597	11,414	-183	-1.6%
84.0%	11,330	11,193	-137	-1.2%
85.2%	10,771	11,111	340	3.2%
86.4%	10,646	10,894	248	2.3%
87.7%	10,500	10,477	-22	-0.2%
88.9%	10,385	10,433	48	0.5%
90.1%	10,309	10,187	-122	-1.2%
91.4%	9,774	9,780	6	0.1%
92.6%	9,754	9,667	-87	-0.9%
93.8%	9,398	9,401	3	0.0%
95.1%	9,081	9,318	236	2.6%
96.3%	7,999	9,248	1,249	15.6%
97.5%	7,092	7,234	141	2.0%
98.8%	6,567	6,906	340	5.2%
100.0%	5,993	6,590	596	9.9%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	189,717	189,722	5	0.0%
1.2%	181,929	176,629	-5,300	-2.9%
2.5%	128,286	128,301	15	0.0%
3.7%	107,918	104,563	-3,355	-3.1%
4.9%	100,474	100,468	-6	0.0%
6.2%	96,879	94,712	-2,167	-2.2%
7.4%	94,703	90,374	-4,329	-4.6%
8.6%	76,419	76,432	13	0.0%
9.9%	73,545	71,861	-1,684	-2.3%
11.1%	72,056	70,295	-1,761	-2.4%
12.3%	66,380	66,368	-12	0.0%
13.6%	61,713	61,719	6	0.0%
14.8%	61,213	61,224	11	0.0%
16.0%	59,248	57,386	-1,862	-3.1%
17.3%	57,454	54,451	-3,003	-5.2%
18.5%	55,236	54,144	-1,091	-2.0%
19.8%	51,720	51,735	15	0.0%
21.0%	49,962	49,497	-465	-0.9%
22.2%	48,480	48,710	230	0.5%
23.5%	47,977	47,970	-8	0.0%
24.7%	42,734	42,753	19	0.0%
25.9%	41,874	42,181	308	0.7%
27.2%	40,810	40,963	152	0.4%
28.4%	39,318	37,356	-1,962	-5.0%
29.6%	39,303	35,518	-3,786	-9.6%
30.9%	37,906	34,737	-3,169	-8.4%
32.1%	36,065	31,978	-4,087	-11.3%
33.3%	35,111	31,823	-3,287	-9.4%
34.6%	34,555	31,534	-3,021	-8.7%
35.8%	31,945	30,794	-1,151	-3.6%
37.0%	30,867	30,325	-542	-1.8%
38.3%	30,264	28,592	-1,673	-5.5%
39.5%	29,000	28,417	-583	-2.0%
40.7%	28,397	28,148	-249	-0.9%
42.0%	27,695	25,233	-2,462	-8.9%
43.2%	27,186	24,463	-2,722	-10.0%
44.4%	26,208	24,153	-2,055	-7.8%
45.7%	24,690	23,869	-822	-3.3%
46.9%	23,878	23,354	-525	-2.2%
48.1%	23,423	22,395	-1,028	-4.4%
49.4%	22,377	22,239	-137	-0.6%
50.6%	22,122	21,343	-779	-3.5%
51.9%	20,754	20,753	-1	0.0%
53.1%	20,638	18,201	-2,437	-11.8%
54.3%	20,538	18,019	-2,519	-12.3%
55.6%	19,931	17,449	-2,482	-12.5%
56.8%	19,689	17,288	-2,401	-12.2%
58.0%	19,409	17,204	-2,205	-11.4%
59.3%	18,452	16,590	-1,862	-10.1%
60.5%	18,026	15,488	-2,537	-14.1%
61.7%	17,853	15,344	-2,509	-14.1%
63.0%	17,218	14,770	-2,448	-14.2%
64.2%	17,122	14,423	-2,698	-15.8%
65.4%	16,470	14,182	-2,288	-13.9%
66.7%	16,328	14,155	-2,173	-13.3%
67.9%	16,313	13,982	-2,331	-14.3%
69.1%	16,158	13,758	-2,399	-14.8%
70.4%	16,138	13,629	-2,510	-15.6%
71.6%	15,556	13,444	-2,112	-13.6%
72.8%	15,556	13,308	-2,248	-14.5%
74.1%	15,310	13,089	-2,222	-14.5%
75.3%	15,179	12,015	-3,164	-20.8%
76.5%	14,003	11,704	-2,299	-16.4%
77.8%	12,680	10,793	-1,887	-14.9%
79.0%	12,596	10,603	-1,993	-15.8%
80.2%	11,441	10,565	-876	-7.7%
81.5%	11,303	10,552	-751	-6.6%
82.7%	10,793	10,328	-466	-4.3%
84.0%	9,994	10,286	292	2.9%
85.2%	9,652	9,818	165	1.7%
86.4%	9,632	9,764	132	1.4%
87.7%	9,346	9,451	105	1.1%
88.9%	8,875	9,448	573	6.5%
90.1%	8,738	9,356	618	7.1%
91.4%	8,651	8,500	-152	-1.8%
92.6%	8,390	8,257	-133	-1.6%
93.8%	8,285	8,106	-179	-2.2%
95.1%	8,031	7,879	-152	-1.9%
96.3%	6,734	7,253	520	7.7%
97.5%	6,375	6,994	619	9.7%
98.8%	5,931	6,410	479	8.1%
100.0%	5,608	5,928	320	5.7%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,750	102,759	9	0.0%
1.2%	80,513	80,502	-12	0.0%
2.5%	72,360	72,355	-5	0.0%
3.7%	60,667	60,668	1	0.0%
4.9%	59,404	59,405	2	0.0%
6.2%	56,679	54,037	-2,643	-4.7%
7.4%	53,501	53,509	8	0.0%
8.6%	53,114	53,100	-15	0.0%
9.9%	52,368	52,370	2	0.0%
11.1%	47,277	45,973	-1,304	-2.8%
12.3%	42,779	42,772	-8	0.0%
13.6%	40,809	40,154	-656	-1.6%
14.8%	40,167	40,007	-161	-0.4%
16.0%	39,989	37,790	-2,199	-5.5%
17.3%	36,652	36,431	-220	-0.6%
18.5%	36,431	34,869	-1,562	-4.3%
19.8%	34,856	34,754	-103	-0.3%
21.0%	34,767	34,578	-189	-0.5%
22.2%	34,486	34,122	-364	-1.1%
23.5%	31,547	29,976	-1,570	-5.0%
24.7%	31,135	29,298	-1,837	-5.9%
25.9%	21,172	21,151	-22	-0.1%
27.2%	20,996	21,035	39	0.2%
28.4%	20,925	20,971	46	0.2%
29.6%	20,805	20,737	-68	-0.3%
30.9%	20,752	18,582	-2,170	-10.5%
32.1%	19,987	18,497	-1,490	-7.5%
33.3%	19,909	18,367	-1,543	-7.7%
34.6%	18,566	18,340	-226	-1.2%
35.8%	18,340	17,556	-784	-4.3%
37.0%	17,492	17,549	57	0.3%
38.3%	17,492	17,358	-134	-0.8%
39.5%	17,357	16,624	-732	-4.2%
40.7%	17,318	16,612	-705	-4.1%
42.0%	16,829	15,485	-1,344	-8.0%
43.2%	14,945	15,296	351	2.3%
44.4%	14,585	14,671	86	0.6%
45.7%	14,460	14,481	21	0.1%
46.9%	14,403	14,394	-10	-0.1%
48.1%	13,455	13,376	-79	-0.6%
49.4%	13,315	13,233	-81	-0.6%
50.6%	12,710	12,753	43	0.3%
51.9%	12,674	12,677	3	0.0%
53.1%	11,581	11,651	71	0.6%
54.3%	11,012	11,498	486	4.4%
55.6%	10,813	11,013	200	1.8%
56.8%	10,744	10,872	129	1.2%
58.0%	10,129	10,799	671	6.6%
59.3%	10,033	10,605	572	5.7%
60.5%	10,003	10,005	2	0.0%
61.7%	9,950	9,929	-21	-0.2%
63.0%	9,872	9,769	-104	-1.0%
64.2%	9,477	9,742	264	2.8%
65.4%	9,374	9,509	134	1.4%
66.7%	9,352	9,419	67	0.7%
67.9%	9,291	9,380	90	1.0%
69.1%	9,199	9,198	-1	0.0%
70.4%	9,107	9,000	-107	-1.2%
71.6%	8,910	8,906	-4	0.0%
72.8%	8,877	8,824	-53	-0.6%
74.1%	8,766	8,757	-9	-0.1%
75.3%	8,709	8,716	7	0.1%
76.5%	8,635	8,689	54	0.6%
77.8%	8,526	8,668	142	1.7%
79.0%	8,521	8,508	-13	-0.2%
80.2%	8,396	8,395	-1	0.0%
81.5%	8,331	8,126	-205	-2.5%
82.7%	7,763	8,073	310	4.0%
84.0%	7,637	7,878	241	3.2%
85.2%	7,431	7,606	175	2.4%
86.4%	7,429	7,590	161	2.2%
87.7%	7,263	7,487	224	3.1%
88.9%	7,153	7,419	267	3.7%
90.1%	7,145	7,318	172	2.4%
91.4%	7,144	7,302	158	2.2%
92.6%	7,094	7,112	18	0.3%
93.8%	7,067	7,094	27	0.4%
95.1%	6,951	7,061	110	1.6%
96.3%	6,358	6,249	-109	-1.7%
97.5%	6,284	6,015	-269	-4.3%
98.8%	5,972	5,962	-10	-0.2%
100.0%	5,249	4,992	-257	-4.9%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,076	58,023	-54	-0.1%
1.2%	49,536	49,458	-77	-0.2%
2.5%	46,892	46,898	6	0.0%
3.7%	45,221	45,149	-72	-0.2%
4.9%	40,881	40,558	-323	-0.8%
6.2%	37,250	37,382	132	0.4%
7.4%	36,604	36,609	6	0.0%
8.6%	35,934	35,855	-79	-0.2%
9.9%	35,393	35,330	-62	-0.2%
11.1%	34,837	34,836	-1	0.0%
12.3%	33,504	34,227	723	2.2%
13.6%	33,406	33,430	24	0.1%
14.8%	32,421	32,279	-141	-0.4%
16.0%	26,472	26,991	519	2.0%
17.3%	25,635	26,463	828	3.2%
18.5%	23,013	23,012	0	0.0%
19.8%	23,003	22,238	-765	-3.3%
21.0%	22,527	21,793	-734	-3.3%
22.2%	21,342	20,553	-789	-3.7%
23.5%	20,785	19,453	-1,332	-6.4%
24.7%	19,447	18,403	-1,044	-5.4%
25.9%	18,564	18,149	-416	-2.2%
27.2%	16,207	16,141	-66	-0.4%
28.4%	15,080	14,755	-326	-2.2%
29.6%	14,409	14,356	-52	-0.4%
30.9%	14,307	13,903	-404	-2.8%
32.1%	13,931	13,879	-52	-0.4%
33.3%	13,609	13,609	0	0.0%
34.6%	12,774	12,993	219	1.7%
35.8%	12,678	12,680	2	0.0%
37.0%	12,269	12,188	-81	-0.7%
38.3%	11,671	12,068	397	3.4%
39.5%	11,669	11,565	-104	-0.9%
40.7%	11,390	11,381	-9	-0.1%
42.0%	11,019	11,022	4	0.0%
43.2%	10,856	10,861	5	0.0%
44.4%	10,856	10,850	-6	-0.1%
45.7%	10,647	10,719	71	0.7%
46.9%	10,363	10,650	286	2.8%
48.1%	10,241	10,365	124	1.2%
49.4%	10,235	10,359	124	1.2%
50.6%	10,232	10,223	-9	-0.1%
51.9%	9,400	9,394	-6	-0.1%
53.1%	9,095	9,372	277	3.0%
54.3%	9,046	9,328	281	3.1%
55.6%	8,973	9,130	157	1.7%
56.8%	8,891	9,091	200	2.2%
58.0%	8,793	9,013	220	2.5%
59.3%	8,726	8,864	138	1.6%
60.5%	8,627	8,795	169	2.0%
61.7%	8,483	8,732	249	2.9%
63.0%	8,254	8,680	426	5.2%
64.2%	8,094	8,629	534	6.6%
65.4%	8,048	8,216	168	2.1%
66.7%	7,912	7,960	48	0.6%
67.9%	7,810	7,902	92	1.2%
69.1%	7,763	7,883	120	1.5%
70.4%	7,715	7,810	95	1.2%
71.6%	7,684	7,715	31	0.4%
72.8%	7,641	7,653	12	0.2%
74.1%	7,619	7,615	-4	-0.1%
75.3%	7,445	7,610	165	2.2%
76.5%	7,422	7,462	40	0.5%
77.8%	7,377	7,429	52	0.7%
79.0%	7,112	7,034	-78	-1.1%
80.2%	6,945	7,029	84	1.2%
81.5%	6,824	6,983	159	2.3%
82.7%	6,733	6,829	96	1.4%
84.0%	6,448	6,824	376	5.8%
85.2%	6,428	6,806	378	5.9%
86.4%	6,418	6,328	-90	-1.4%
87.7%	6,354	6,325	-29	-0.5%
88.9%	6,230	6,010	-220	-3.5%
90.1%	6,146	5,924	-223	-3.6%
91.4%	5,731	5,769	38	0.7%
92.6%	5,547	5,721	175	3.2%
93.8%	5,140	5,611	471	9.2%
95.1%	4,639	4,596	-43	-0.9%
96.3%	4,607	4,237	-370	-8.0%
97.5%	4,227	4,123	-103	-2.4%
98.8%	4,126	3,979	-147	-3.6%
100.0%	3,464	3,467	3	0.1%

Table SW-32-3b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,967	54,810	-157	-0.3%
1.2%	43,324	43,336	12	0.0%
2.5%	31,087	31,921	833	2.7%
3.7%	30,854	31,910	1,056	3.4%
4.9%	29,275	31,367	2,092	7.1%
6.2%	28,510	28,916	406	1.4%
7.4%	28,018	28,426	408	1.5%
8.6%	23,753	24,533	779	3.3%
9.9%	20,851	20,407	-444	-2.1%
11.1%	15,023	20,163	5,140	34.2%
12.3%	14,784	14,805	21	0.1%
13.6%	14,253	14,614	362	2.5%
14.8%	13,198	13,540	342	2.6%
16.0%	12,257	13,070	813	6.6%
17.3%	12,142	12,816	674	5.6%
18.5%	12,034	12,560	526	4.4%
19.8%	11,761	12,223	462	3.9%
21.0%	10,986	11,348	361	3.3%
22.2%	10,316	10,325	9	0.1%
23.5%	9,102	9,638	536	5.9%
24.7%	8,739	8,811	72	0.8%
25.9%	8,450	8,778	328	3.9%
27.2%	8,414	8,771	357	4.2%
28.4%	8,190	8,733	542	6.6%
29.6%	8,067	8,615	548	6.8%
30.9%	7,917	8,487	569	7.2%
32.1%	7,913	8,277	364	4.6%
33.3%	7,755	8,174	419	5.4%
34.6%	7,686	8,003	317	4.1%
35.8%	7,641	7,951	310	4.1%
37.0%	7,577	7,927	350	4.6%
38.3%	7,535	7,879	344	4.6%
39.5%	7,525	7,862	337	4.5%
40.7%	7,491	7,636	145	1.9%
42.0%	7,107	7,517	410	5.8%
43.2%	6,942	7,443	501	7.2%
44.4%	6,899	7,250	351	5.1%
45.7%	6,853	7,220	367	5.4%
46.9%	6,788	7,122	334	4.9%
48.1%	6,780	7,095	315	4.6%
49.4%	6,757	7,045	287	4.2%
50.6%	6,699	7,039	340	5.1%
51.9%	6,676	7,011	335	5.0%
53.1%	6,536	6,956	421	6.4%
54.3%	6,362	6,875	513	8.1%
55.6%	6,312	6,822	510	8.1%
56.8%	6,292	6,804	511	8.1%
58.0%	6,289	6,787	498	7.9%
59.3%	6,232	6,657	425	6.8%
60.5%	6,196	6,589	393	6.3%
61.7%	6,173	6,568	395	6.4%
63.0%	6,144	6,507	363	5.9%
64.2%	6,140	6,495	355	5.8%
65.4%	6,138	6,471	333	5.4%
66.7%	6,126	6,344	218	3.6%
67.9%	6,081	6,225	144	2.4%
69.1%	5,979	6,224	245	4.1%
70.4%	5,880	6,155	275	4.7%
71.6%	5,859	6,144	285	4.9%
72.8%	5,822	6,123	301	5.2%
74.1%	5,815	6,111	295	5.1%
75.3%	5,814	6,047	232	4.0%
76.5%	5,747	6,038	292	5.1%
77.8%	5,662	5,908	246	4.3%
79.0%	5,569	5,898	329	5.9%
80.2%	5,332	5,896	564	10.6%
81.5%	5,303	5,824	521	9.8%
82.7%	5,291	5,594	302	5.7%
84.0%	5,205	5,522	317	6.1%
85.2%	5,158	5,401	243	4.7%
86.4%	5,157	5,294	136	2.6%
87.7%	5,037	5,283	246	4.9%
88.9%	4,908	5,250	342	7.0%
90.1%	4,821	5,013	191	4.0%
91.4%	4,527	4,877	350	7.7%
92.6%	4,378	4,301	-77	-1.8%
93.8%	3,795	4,038	243	6.4%
95.1%	3,671	3,834	163	4.4%
96.3%	3,632	3,796	163	4.5%
97.5%	3,279	3,628	349	10.7%
98.8%	3,243	3,444	202	6.2%
100.0%	3,201	3,280	79	2.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,373	20,778	6,405	44.6%
1.2%	14,333	20,761	6,428	44.9%
2.5%	14,278	20,711	6,433	45.1%
3.7%	14,182	20,659	6,477	45.7%
4.9%	14,034	20,649	6,615	47.1%
6.2%	14,024	20,521	6,497	46.3%
7.4%	13,992	20,427	6,435	46.0%
8.6%	13,645	20,196	6,551	48.0%
9.9%	13,628	20,038	6,410	47.0%
11.1%	13,612	20,019	6,407	47.1%
12.3%	13,600	14,426	826	6.1%
13.6%	13,526	14,303	776	5.7%
14.8%	13,494	14,203	709	5.3%
16.0%	13,447	14,189	742	5.5%
17.3%	13,416	14,062	646	4.8%
18.5%	13,296	13,976	680	5.1%
19.8%	13,236	13,882	646	4.9%
21.0%	12,881	13,821	939	7.3%
22.2%	12,740	13,788	1,047	8.2%
23.5%	12,645	13,665	1,020	8.1%
24.7%	12,604	13,166	562	4.5%
25.9%	12,580	13,007	427	3.4%
27.2%	12,506	13,002	496	4.0%
28.4%	12,411	12,925	513	4.1%
29.6%	12,216	12,750	533	4.4%
30.9%	12,001	12,608	607	5.1%
32.1%	11,941	12,600	659	5.5%
33.3%	11,780	12,570	789	6.7%
34.6%	11,698	12,410	712	6.1%
35.8%	11,441	12,351	909	7.9%
37.0%	11,441	12,318	877	7.7%
38.3%	11,441	12,304	863	7.5%
39.5%	11,355	12,258	903	8.0%
40.7%	11,180	12,000	820	7.3%
42.0%	11,005	11,968	963	8.7%
43.2%	10,961	11,964	1,003	9.1%
44.4%	10,935	11,899	963	8.8%
45.7%	10,914	11,889	975	8.9%
46.9%	10,904	11,880	976	9.0%
48.1%	10,884	11,864	980	9.0%
49.4%	10,848	11,837	989	9.1%
50.6%	10,835	11,797	961	8.9%
51.9%	10,829	11,793	964	8.9%
53.1%	10,826	11,706	880	8.1%
54.3%	10,807	11,680	872	8.1%
55.6%	10,788	11,669	881	8.2%
56.8%	10,778	11,660	882	8.2%
58.0%	10,767	11,512	745	6.9%
59.3%	10,645	11,510	865	8.1%
60.5%	10,598	11,308	710	6.7%
61.7%	10,543	11,297	754	7.2%
63.0%	10,321	11,162	841	8.1%
64.2%	10,129	10,918	789	7.8%
65.4%	9,915	10,914	998	10.1%
66.7%	9,907	10,909	1,001	10.1%
67.9%	9,896	10,635	739	7.5%
69.1%	9,854	10,559	705	7.2%
70.4%	9,760	10,209	448	4.6%
71.6%	9,408	10,061	654	6.9%
72.8%	9,120	10,061	941	10.3%
74.1%	9,037	10,047	1,010	11.2%
75.3%	9,002	9,922	921	10.2%
76.5%	9,001	9,555	555	6.2%
77.8%	8,901	9,409	508	5.7%
79.0%	8,875	9,181	306	3.4%
80.2%	8,494	8,901	407	4.8%
81.5%	8,372	8,561	189	2.3%
82.7%	8,123	8,507	385	4.7%
84.0%	7,958	8,497	539	6.8%
85.2%	7,824	8,456	632	8.1%
86.4%	7,286	8,253	967	13.3%
87.7%	7,248	7,955	707	9.8%
88.9%	7,053	7,758	705	10.0%
90.1%	6,782	7,573	791	11.7%
91.4%	6,515	7,460	944	14.5%
92.6%	6,496	6,936	440	6.8%
93.8%	6,489	6,635	146	2.3%
95.1%	5,902	6,515	613	10.4%
96.3%	5,718	6,326	608	10.6%
97.5%	4,713	5,685	972	20.6%
98.8%	3,208	3,585	377	11.7%
100.0%	2,656	3,556	899	33.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,312	13,190	1,878	16.6%
1.2%	11,023	11,642	620	5.6%
2.5%	11,005	11,513	508	4.6%
3.7%	10,652	10,907	255	2.4%
4.9%	10,131	10,832	700	6.9%
6.2%	10,096	10,791	695	6.9%
7.4%	10,093	10,772	679	6.7%
8.6%	10,009	10,728	719	7.2%
9.9%	9,953	10,709	756	7.6%
11.1%	9,822	10,669	847	8.6%
12.3%	9,707	10,340	633	6.5%
13.6%	9,670	10,320	651	6.7%
14.8%	9,611	10,259	648	6.7%
16.0%	9,576	10,222	646	6.8%
17.3%	9,551	10,200	649	6.8%
18.5%	9,519	10,190	670	7.0%
19.8%	9,488	10,111	623	6.6%
21.0%	9,404	9,925	521	5.5%
22.2%	9,399	9,908	509	5.4%
23.5%	9,347	9,900	553	5.9%
24.7%	9,324	9,898	574	6.2%
25.9%	9,266	9,879	613	6.6%
27.2%	9,257	9,841	585	6.3%
28.4%	9,229	9,810	581	6.3%
29.6%	9,200	9,805	605	6.6%
30.9%	9,198	9,762	564	6.1%
32.1%	9,184	9,588	404	4.4%
33.3%	9,182	9,455	273	3.0%
34.6%	9,147	9,325	177	1.9%
35.8%	9,056	9,280	224	2.5%
37.0%	9,043	9,247	204	2.3%
38.3%	8,995	9,228	233	2.6%
39.5%	8,935	9,205	270	3.0%
40.7%	8,867	9,201	335	3.8%
42.0%	8,859	9,200	341	3.8%
43.2%	8,841	9,090	250	2.8%
44.4%	8,776	9,040	264	3.0%
45.7%	8,750	8,941	191	2.2%
46.9%	8,715	8,877	162	1.9%
48.1%	8,665	8,800	135	1.6%
49.4%	8,600	8,783	184	2.1%
50.6%	8,546	8,677	131	1.5%
51.9%	8,423	8,671	248	3.0%
53.1%	8,402	8,603	201	2.4%
54.3%	8,394	8,600	206	2.5%
55.6%	8,394	8,526	132	1.6%
56.8%	8,304	8,505	201	2.4%
58.0%	8,278	8,479	201	2.4%
59.3%	8,158	8,454	296	3.6%
60.5%	8,064	8,394	330	4.1%
61.7%	8,052	8,307	255	3.2%
63.0%	7,989	8,160	171	2.1%
64.2%	7,975	8,064	89	1.1%
65.4%	7,930	8,054	124	1.6%
66.7%	7,911	8,053	142	1.8%
67.9%	7,849	7,973	125	1.6%
69.1%	7,785	7,909	124	1.6%
70.4%	7,665	7,886	222	2.9%
71.6%	7,633	7,784	151	2.0%
72.8%	7,629	7,614	-15	-0.2%
74.1%	7,608	7,573	-36	-0.5%
75.3%	7,224	7,557	332	4.6%
76.5%	7,216	7,214	-2	0.0%
77.8%	7,119	7,119	0	0.0%
79.0%	6,870	6,995	125	1.8%
80.2%	6,551	6,986	435	6.6%
81.5%	6,338	6,967	629	9.9%
82.7%	6,197	6,856	660	10.6%
84.0%	6,109	6,488	379	6.2%
85.2%	6,071	6,432	360	5.9%
86.4%	4,659	6,360	1,701	36.5%
87.7%	4,404	6,144	1,739	39.5%
88.9%	3,871	6,018	2,147	55.5%
90.1%	3,700	5,987	2,288	61.8%
91.4%	3,470	5,922	2,452	70.7%
92.6%	3,392	5,654	2,262	66.7%
93.8%	3,155	5,443	2,288	72.5%
95.1%	2,526	4,335	1,809	71.6%
96.3%	2,430	4,254	1,824	75.1%
97.5%	2,318	3,497	1,180	50.9%
98.8%	2,269	2,642	373	16.4%
100.0%	2,203	2,597	393	17.8%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,830	25,831	0	0.0%
1.2%	25,080	25,518	438	1.7%
2.5%	24,994	25,242	248	1.0%
3.7%	24,955	25,210	255	1.0%
4.9%	24,736	25,089	352	1.4%
6.2%	24,728	24,959	231	0.9%
7.4%	24,440	24,914	474	1.9%
8.6%	24,229	24,710	481	2.0%
9.9%	24,136	24,595	458	1.9%
11.1%	24,134	24,475	342	1.4%
12.3%	24,052	24,458	406	1.7%
13.6%	23,952	24,389	437	1.8%
14.8%	23,766	24,266	500	2.1%
16.0%	23,598	24,105	507	2.1%
17.3%	23,087	24,075	989	4.3%
18.5%	22,702	24,068	1,366	6.0%
19.8%	22,145	23,921	1,775	8.0%
21.0%	21,384	23,762	2,378	11.1%
22.2%	21,353	23,656	2,303	10.8%
23.5%	21,343	23,493	2,150	10.1%
24.7%	20,869	23,440	2,572	12.3%
25.9%	14,434	20,494	6,060	42.0%
27.2%	14,418	14,310	-108	-0.7%
28.4%	14,242	14,102	-140	-1.0%
29.6%	14,139	13,641	-498	-3.5%
30.9%	13,593	13,623	30	0.2%
32.1%	13,210	13,358	148	1.1%
33.3%	13,104	13,211	107	0.8%
34.6%	12,980	13,102	122	0.9%
35.8%	12,522	13,100	578	4.6%
37.0%	12,220	12,694	473	3.9%
38.3%	12,167	12,523	356	2.9%
39.5%	12,081	12,465	383	3.2%
40.7%	11,666	11,967	301	2.6%
42.0%	11,513	11,794	281	2.4%
43.2%	11,251	11,776	525	4.7%
44.4%	9,419	11,358	1,938	20.6%
45.7%	9,115	11,041	1,926	21.1%
46.9%	7,694	9,029	1,335	17.3%
48.1%	7,273	8,749	1,476	20.3%
49.4%	7,089	7,839	750	10.6%
50.6%	7,042	7,798	756	10.7%
51.9%	6,943	7,742	799	11.5%
53.1%	6,544	7,691	1,148	17.5%
54.3%	6,429	7,446	1,017	15.8%
55.6%	6,388	7,406	1,018	15.9%
56.8%	6,341	7,325	984	15.5%
58.0%	6,303	7,264	961	15.3%
59.3%	6,263	7,114	851	13.6%
60.5%	6,196	7,105	909	14.7%
61.7%	6,155	7,049	894	14.5%
63.0%	6,101	6,990	889	14.6%
64.2%	6,035	6,882	847	14.0%
65.4%	5,969	6,863	894	15.0%
66.7%	5,863	6,747	884	15.1%
67.9%	5,814	6,550	737	12.7%
69.1%	5,707	6,481	774	13.6%
70.4%	5,602	6,444	842	15.0%
71.6%	5,495	6,341	846	15.4%
72.8%	5,492	6,263	771	14.0%
74.1%	5,440	6,137	697	12.8%
75.3%	5,255	6,050	795	15.1%
76.5%	5,244	6,027	782	14.9%
77.8%	5,228	5,962	734	14.0%
79.0%	5,150	5,910	759	14.7%
80.2%	5,109	5,858	749	14.7%
81.5%	4,952	5,844	892	18.0%
82.7%	4,756	5,838	1,081	22.7%
84.0%	4,384	5,595	1,211	27.6%
85.2%	3,982	5,460	1,478	37.1%
86.4%	3,386	5,430	2,044	60.3%
87.7%	3,000	5,362	2,362	78.7%
88.9%	3,000	4,921	1,921	64.0%
90.1%	3,000	4,299	1,299	43.3%
91.4%	3,000	3,745	745	24.8%
92.6%	3,000	3,376	376	12.5%
93.8%	3,000	3,229	229	7.6%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-33-3a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Outflow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5,927	11,674	21,446	42,528	51,653	42,537	29,887	22,080	12,750	8,048	4,593	9,663
Alternative A	6,034	11,523	20,850	40,671	50,095	41,104	29,623	22,068	13,225	9,063	4,978	9,915
Difference	106	-152	-596	-1,857	-1,557	-1,433	-264	-12	476	1,016	384	252
Percent Difference[3]	1.8%	-1.3%	-2.8%	-4.4%	-3.0%	-3.4%	-0.9%	-0.1%	3.7%	12.6%	8.4%	2.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,387	18,519	25,088	84,405	95,517	78,395	54,269	40,411	23,163	11,329	5,031	19,685
Alternative A	8,247	18,294	23,845	82,713	94,306	77,665	54,108	40,422	23,826	12,413	5,310	19,535
Difference	-140	-225	-1,243	-1,691	-1,211	-730	-161	12	664	1,085	280	-150
Percent Difference	-1.7%	-1.2%	-5.0%	-2.0%	-1.3%	-0.9%	-0.3%	0.0%	2.9%	9.6%	5.6%	-0.8%
Above Normal (15%)												
No Action Alternative	5,945	13,441	19,382	47,552	60,411	52,963	31,605	23,647	11,872	9,611	4,000	11,732
Alternative A	5,958	13,123	18,385	44,722	57,881	51,267	31,117	23,555	12,277	10,910	4,333	11,680
Difference	13	-318	-997	-2,831	-2,530	-1,697	-488	-92	405	1,299	333	-52
Percent Difference	0.2%	-2.4%	-5.1%	-6.0%	-4.2%	-3.2%	-1.5%	-0.4%	3.4%	13.5%	8.3%	-0.4%
Below Normal (17%)												
No Action Alternative	5,694	9,690	26,481	22,181	35,426	22,962	21,469	15,813	8,200	7,446	4,011	3,330
Alternative A	6,092	10,190	26,268	19,666	34,022	20,871	21,129	15,617	8,844	8,517	4,586	4,351
Difference	398	500	-212	-2,515	-1,405	-2,091	-341	-196	644	1,071	574	1,021
Percent Difference	7.0%	5.2%	-0.8%	-11.3%	-4.0%	-9.1%	-1.6%	-1.2%	7.8%	14.4%	14.3%	30.6%
Dry (22%)												
No Action Alternative	4,164	6,822	23,161	14,784	20,810	19,584	14,060	10,203	6,788	5,221	4,879	3,172
Alternative A	4,184	6,792	22,687	13,541	19,201	17,199	13,672	10,369	7,087	6,268	5,480	3,716
Difference	20	-31	-474	-1,243	-1,610	-2,385	-388	166	299	1,047	601	544
Percent Difference	0.5%	-0.4%	-2.0%	-8.4%	-7.7%	-12.2%	-2.8%	1.6%	4.4%	20.0%	12.3%	17.2%
Critical (15%)												
No Action Alternative	3,497	4,672	7,170	12,128	13,050	11,686	8,904	5,927	5,318	4,316	4,489	3,008
Alternative A	4,018	3,903	7,750	10,730	11,616	11,189	8,914	5,889	5,525	4,788	4,605	3,099
Difference	520	-769	580	-1,398	-1,434	-497	10	-38	207	472	116	91
Percent Difference	14.9%	-16.5%	8.1%	-11.5%	-11.0%	-4.3%	0.1%	-0.6%	3.9%	10.9%	2.6%	3.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-33-3b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

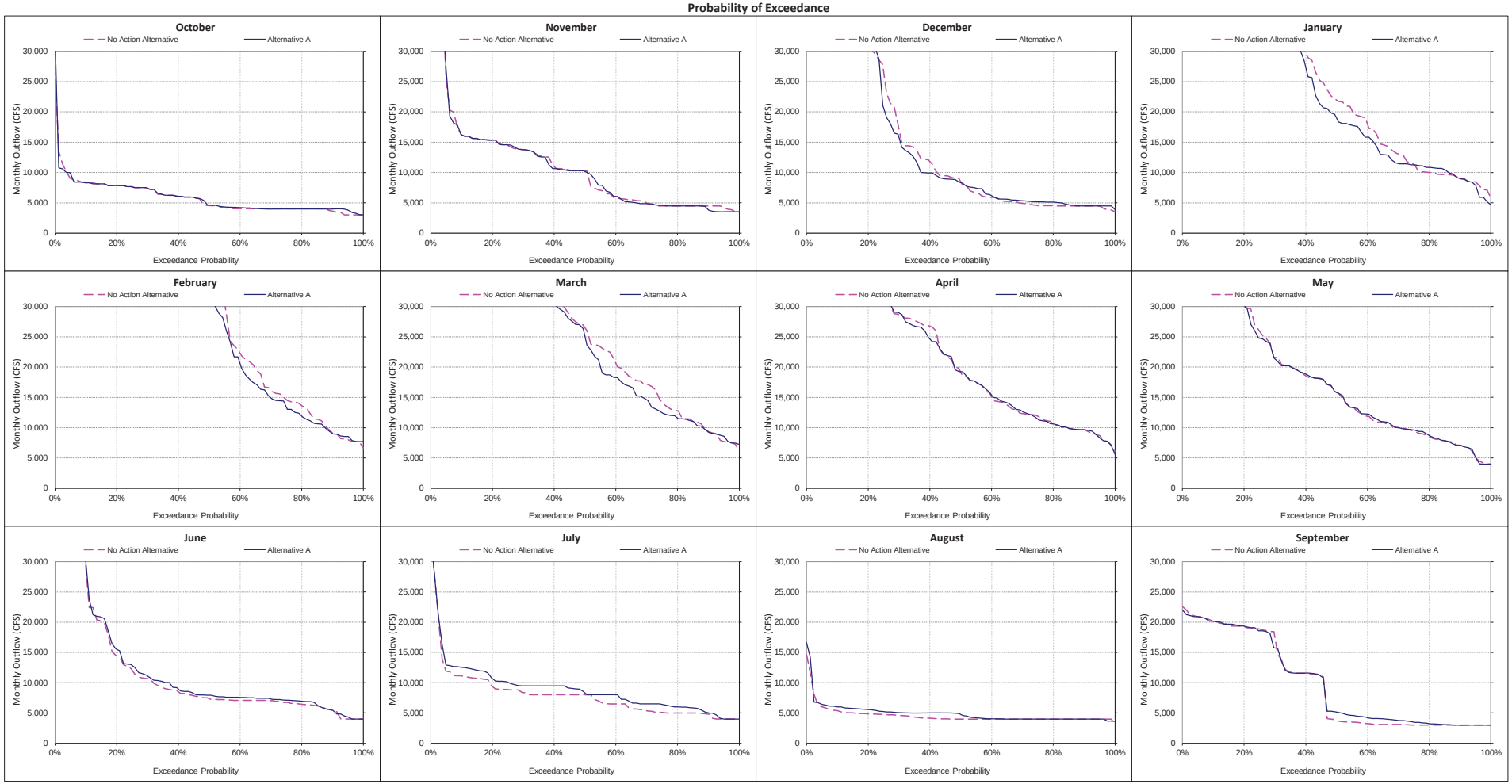


Table SW-33-3b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	27,572	32,931	5,360	19.4%
1.2%	13,476	10,781	-2,694	-20.0%
2.5%	11,406	10,577	-829	-7.3%
3.7%	10,134	10,000	-134	-1.3%
4.9%	9,063	9,949	886	9.8%
6.2%	8,750	8,438	-313	-3.6%
7.4%	8,677	8,438	-239	-2.8%
8.6%	8,438	8,438	0	0.0%
9.9%	8,438	8,281	-156	-1.9%
11.1%	8,281	8,281	0	0.0%
12.3%	8,281	8,125	-156	-1.9%
13.6%	8,125	8,125	0	0.0%
14.8%	8,125	8,125	0	0.0%
16.0%	8,125	8,125	0	0.0%
17.3%	7,813	7,813	0	0.0%
18.5%	7,813	7,813	0	0.0%
19.8%	7,813	7,813	0	0.0%
21.0%	7,813	7,813	0	0.0%
22.2%	7,813	7,813	0	0.0%
23.5%	7,656	7,656	0	0.0%
24.7%	7,656	7,656	0	0.0%
25.9%	7,500	7,500	0	0.0%
27.2%	7,500	7,500	0	0.0%
28.4%	7,500	7,500	0	0.0%
29.6%	7,500	7,500	0	0.0%
30.9%	7,188	7,188	0	0.0%
32.1%	7,188	7,188	0	0.0%
33.3%	6,406	6,563	156	2.4%
34.6%	6,406	6,406	0	0.0%
35.8%	6,250	6,250	0	0.0%
37.0%	6,250	6,250	0	0.0%
38.3%	6,250	6,250	0	0.0%
39.5%	6,094	6,094	0	0.0%
40.7%	6,094	6,094	0	0.0%
42.0%	5,938	5,938	0	0.0%
43.2%	5,938	5,938	0	0.0%
44.4%	5,938	5,938	0	0.0%
45.7%	5,781	5,781	0	0.0%
46.9%	5,643	5,709	66	1.2%
48.1%	4,699	5,401	702	14.9%
49.4%	4,569	4,652	82	1.8%
50.6%	4,542	4,607	65	1.4%
51.9%	4,502	4,607	105	2.3%
53.1%	4,438	4,450	12	0.3%
54.3%	4,167	4,347	180	4.3%
55.6%	4,148	4,288	140	3.4%
56.8%	4,089	4,269	180	4.4%
58.0%	4,032	4,243	211	5.2%
59.3%	4,000	4,216	216	5.4%
60.5%	4,000	4,204	204	5.1%
61.7%	4,000	4,156	156	3.9%
63.0%	4,000	4,138	138	3.5%
64.2%	4,000	4,093	93	2.3%
65.4%	4,000	4,071	71	1.8%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	3,724	4,000	276	7.4%
90.1%	3,612	4,000	388	10.7%
91.4%	3,450	4,000	550	15.9%
92.6%	3,449	4,000	551	16.0%
93.8%	3,000	4,000	1,000	33.3%
95.1%	3,000	3,776	776	25.9%
96.3%	3,000	3,378	378	12.6%
97.5%	3,000	3,285	285	9.5%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	79,160	78,253	-908	-1.1%
1.2%	51,638	47,910	-3,728	-7.2%
2.5%	47,407	45,475	-1,932	-4.1%
3.7%	41,509	39,804	-1,705	-4.1%
4.9%	25,579	27,479	1,900	7.4%
6.2%	20,304	19,370	-934	-4.6%
7.4%	19,987	18,191	-1,795	-9.0%
8.6%	17,477	17,852	375	2.1%
9.9%	16,250	16,250	0	0.0%
11.1%	15,938	15,938	0	0.0%
12.3%	15,938	15,938	0	0.0%
13.6%	15,625	15,625	0	0.0%
14.8%	15,625	15,625	0	0.0%
16.0%	15,469	15,469	0	0.0%
17.3%	15,469	15,398	-71	-0.5%
18.5%	15,398	15,313	-86	-0.6%
19.8%	15,313	15,313	0	0.0%
21.0%	15,313	15,313	0	0.0%
22.2%	14,641	14,641	0	0.0%
23.5%	14,591	14,591	0	0.0%
24.7%	14,573	14,573	0	0.0%
25.9%	14,198	14,552	354	2.5%
27.2%	13,935	14,198	262	1.9%
28.4%	13,849	13,849	0	0.0%
29.6%	13,789	13,789	0	0.0%
30.9%	13,733	13,733	0	0.0%
32.1%	13,616	13,616	0	0.0%
33.3%	13,371	13,371	0	0.0%
34.6%	12,926	12,707	-219	-1.7%
35.8%	12,707	12,570	-137	-1.1%
37.0%	12,570	12,549	-22	-0.2%
38.3%	12,549	11,250	-1,299	-10.3%
39.5%	11,250	10,625	-625	-5.6%
40.7%	10,625	10,625	0	0.0%
42.0%	10,625	10,469	-156	-1.5%
43.2%	10,625	10,469	-156	-1.5%
44.4%	10,469	10,313	-156	-1.5%
45.7%	10,313	10,313	0	0.0%
46.9%	10,313	10,313	0	0.0%
48.1%	10,313	10,313	0	0.0%
49.4%	10,313	10,313	0	0.0%
50.6%	10,313	10,009	-303	-2.9%
51.9%	7,617	9,661	2,045	26.8%
53.1%	7,403	8,907	1,503	20.3%
54.3%	7,115	7,929	814	11.4%
55.6%	7,007	7,874	867	12.4%
56.8%	6,506	6,949	443	6.8%
58.0%	6,500	6,728	228	3.5%
59.3%	5,917	6,073	156	2.6%
60.5%	5,735	6,018	284	4.9%
61.7%	5,656	5,580	-76	-1.4%
63.0%	5,622	5,182	-440	-7.8%
64.2%	5,504	5,167	-338	-6.1%
65.4%	5,478	5,078	-400	-7.3%
66.7%	5,373	5,004	-370	-6.9%
67.9%	5,337	4,854	-482	-9.0%
69.1%	5,271	4,847	-424	-8.0%
70.4%	4,798	4,842	44	0.9%
71.6%	4,698	4,815	117	2.5%
72.8%	4,661	4,639	-22	-0.5%
74.1%	4,500	4,576	76	1.7%
75.3%	4,500	4,563	63	1.4%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,497	-3	-0.1%
88.9%	4,500	4,413	-87	-1.9%
90.1%	4,500	3,787	-713	-15.8%
91.4%	4,500	3,624	-876	-19.5%
92.6%	4,500	3,500	-1,000	-22.2%
93.8%	4,500	3,500	-1,000	-22.2%
95.1%	4,189	3,500	-689	-16.5%
96.3%	3,954	3,500	-454	-11.5%
97.5%	3,863	3,500	-363	-9.4%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	156,667	156,710	43	0.0%
1.2%	99,310	93,147	-6,163	-6.2%
2.5%	90,880	90,556	-324	-0.4%
3.7%	88,261	81,894	-6,367	-7.2%
4.9%	82,120	81,654	-467	-0.6%
6.2%	80,995	81,575	580	0.7%
7.4%	78,558	76,213	-2,346	-3.0%
8.6%	68,492	68,006	-487	-0.7%
9.9%	65,165	65,050	-114	-0.2%
11.1%	65,147	64,941	-206	-0.3%
12.3%	50,599	48,103	-2,496	-4.9%
13.6%	49,786	43,024	-6,762	-13.6%
14.8%	46,245	42,468	-3,777	-8.2%
16.0%	36,990	38,185	1,195	3.2%
17.3%	36,840	37,294	454	1.2%
18.5%	34,950	35,476	526	1.5%
19.8%	34,171	33,857	-313	-0.9%
21.0%	30,379	30,730	352	1.2%
22.2%	29,582	30,594	1,012	3.4%
23.5%	28,620	28,690	70	0.2%
24.7%	27,838	21,080	-6,759	-24.3%
25.9%	23,241	19,043	-4,197	-18.1%
27.2%	21,428	18,032	-3,396	-15.8%
28.4%	20,927	16,521	-4,406	-21.1%
29.6%	18,008	16,332	-1,676	-9.3%
30.9%	14,976	14,169	-807	-5.4%
32.1%	14,399	13,595	-804	-5.6%
33.3%	14,390	13,217	-1,173	-8.2%
34.6%	14,179	12,610	-1,569	-11.1%
35.8%	13,672	11,599	-2,072	-15.2%
37.0%	12,332	9,999	-2,334	-18.9%
38.3%	12,191	9,975	-2,216	-18.2%
39.5%	12,106	9,926	-2,180	-18.0%
40.7%	11,411	9,914	-1,497	-13.1%
42.0%	10,209	9,492	-717	-7.0%
43.2%	9,501	9,140	-360	-3.8%
44.4%	9,474	8,962	-511	-5.4%
45.7%	9,472	8,904	-568	-6.0%
46.9%	9,211	8,860	-351	-3.8%
48.1%	9,049	8,850	-199	-2.2%
49.4%	9,029	8,414	-614	-6.8%
50.6%	7,899	8,228	328	4.2%
51.9%	7,815	7,704	-111	-1.4%
53.1%	6,960	7,577	617	8.9%
54.3%	6,729	7,491	762	11.3%
55.6%	6,644	7,345	701	10.5%
56.8%	6,175	7,343	1,167	18.9%
58.0%	5,945	6,446	501	8.4%
59.3%	5,913	6,371	458	7.8%
60.5%	5,908	6,021	113	1.9%
61.7%	5,840	5,694	-146	-2.5%
63.0%	5,339	5,631	291	5.5%
64.2%	5,245	5,613	367	7.0%
65.4%	5,223	5,592	369	7.1%
66.7%	5,174	5,454	280	5.4%
67.9%	5,168	5,435	267	5.2%
69.1%	4,941	5,374	433	8.8%
70.4%	4,881	5,350	469	9.6%
71.6%	4,823	5,233	410	8.5%
72.8%	4,708	5,215	507	10.8%
74.1%	4,604	5,192	588	12.8%
75.3%	4,533	5,171	638	14.1%
76.5%	4,528	5,138	609	13.5%
77.8%	4,524	5,119	595	13.1%
79.0%	4,524	5,104	580	12.8%
80.2%	4,524	5,098	574	12.7%
81.5%	4,500	5,034	534	11.9%
82.7%	4,500	4,998	498	11.1%
84.0%	4,500	4,783	283	6.3%
85.2%	4,500	4,652	152	3.4%
86.4%	4,500	4,610	110	2.5%
87.7%	4,500	4,502	2	0.0%
88.9%	4,500	4,501	1	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,448	4,500	52	1.2%
96.3%	4,074	4,500	426	10.5%
97.5%	3,841	4,500	659	17.1%
98.8%	3,802	4,500	698	18.4%
100.0%	3,500	3,876	376	10.8%

January				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	278,477	274,994	-3,482	-1.3%
1.2%	207,678	205,324	-2,354	-1.1%
2.5%	161,561	155,686	-5,875	-3.6%
3.7%	131,751	131,761	10	0.0%
4.9%	124,362	119,929	-4,433	-3.6%
6.2%	113,561	110,505	-3,056	-2.7%
7.4%	110,192	109,139	-1,053	-1.0%
8.6%	108,113	106,599	-1,514	-1.4%
9.9%	106,869	101,937	-4,932	-4.6%
11.1%	97,405	100,281	2,876	3.0%
12.3%	97,243	93,745	-3,498	-3.6%
13.6%	83,163	78,819	-4,344	-5.2%
14.8%	82,120	78,215	-3,905	-4.8%
16.0%	78,556	77,073	-1,483	-1.9%
17.3%	78,263	76,011	-2,251	-2.9%
18.5%	75,194	75,523	329	0.4%
19.8%	67,171	63,629	-3,541	-5.3%
21.0%	65,620	63,539	-2,080	-3.2%
22.2%	63,550	62,452	-1,098	-1.7%
23.5%	63,331	60,113	-3,218	-5.1%
24.7%	60,029	56,915	-3,114	-5.2%
25.9%	51,508	48,481	-3,027	-5.9%
27.2%	48,416	45,823	-2,592	-5.4%
28.4%	47,924	44,768	-3,156	-6.6%
29.6%	47,875	43,733	-4,142	-8.7%
30.9%	47,572	42,042	-5,530	-11.6%
32.1%	46,453	40,543	-5,911	-12.7%
33.3%	41,558	40,045	-1,513	-3.6%
34.6%	40,095	39,724	-372	-0.9%
35.8%	39,337	37,284	-2,053	-5.2%
37.0%	34,516	31,182	-3,333	-9.7%
38.3%	32,155	30,102	-2,053	-6.4%
39.5%	29,977	28,406	-1,571	-5.2%
40.7%	28,938	25,799	-3,138	-10.8%
42.0%	28,470	25,687	-2,783	-9.8%
43.2%	26,524	22,721	-3,803	-14.3%
44.4%	25,227	21,414	-3,813	-15.1%
45.7%	24,807	20,671	-4,137	-16.7%
46.9%	23,662	20,547	-3,116	-13.2%
48.1%	22,667	19,862	-2,805	-12.4%
49.4%	22,147	19,593	-2,554	-11.5%
50.6%	21,722	18,335	-3,387	-15.6%
51.9%	21,644	18,087	-3,557	-16.4%
53.1%	21,000	18,078	-2,922	-13.9%
54.3%	20,911	17,877	-3,034	-14.5%
55.6%	19,619	17,705	-1,914	-9.8%
56.8%	19,390	17,577	-1,812	-9.3%
58.0%	19,242	16,670	-2,571	-13.4%
59.3%	19,012	15,842	-3,170	-16.7%
60.5%	17,245	15,832	-1,413	-8.2%
61.7%	17,201	15,217	-1,984	-11.5%
63.0%	16,275	14,345	-1,931	-11.9%
64.2%	14,692	12,996	-1,696	-11.5%
65.4%	14,535	12,962	-1,573	-10.8%
66.7%	14,263	12,859	-1,404	-9.8%
67.9%	13,712	12,045	-1,667	-12.2%
69.1%	13,214	11,583	-1,631	-12.3%
70.4%	12,992	11,440	-1,552	-11.9%
71.6%	12,797	11,438	-1,359	-10.6%
72.8%	11,772	11,432	-341	-2.9%
74.1%	11,663	11,277	-386	-3.3%
75.3%	11,277	11,261	-16	-0.1%
76.5%	10,143	11,156	1,013	10.0%
77.8%	10,133	11,084	951	9.4%
79.0%	10,054	10,856	803	8.0%
80.2%	10,018	10,854	836	8.3%
81.5%	9,994	10,765	771	7.7%
82.7%	9,728	10,695	968	9.9%
84.0%	9,667	10,667	999	10.3%
85.2%	9,658	10,429	771	8.0%
86.4%	9,652	9,909	257	2.7%
87.7%	9,584	9,761	178	1.9%
88.9%	9,322	9,178	-145	-1.6%
90.1%	8,975	8,974	-1	0.0%
91.4%	8,945	8,879	-66	-0.7%
92.6%	8,547	8,498	-49	-0.6%
93.8%	8,478	8,408	-69	-0.8%
95.1%	8,478	7,813	-665	-7.8%
96.3%	7,772	5,912	-1,860	-23.9%
97.5%	7,157	5,889	-1,268	-17.7%
98.8%	7,101	5,164	-1,937	-27.3%
100.0%	5,704	4,661	-1,044	-18.3%

Table SW-33-3b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative A Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	220,790	219,563	-1,228	-0.6%
1.2%	213,943	215,557	1,614	0.8%
2.5%	180,024	179,598	-426	-0.2%
3.7%	153,109	149,650	-3,459	-2.3%
4.9%	146,544	145,304	-1,240	-0.8%
6.2%	136,522	136,550	28	0.0%
7.4%	136,092	136,514	422	0.3%
8.6%	136,054	131,864	-4,190	-3.1%
9.9%	122,489	126,571	4,082	3.3%
11.1%	121,900	121,851	-49	0.0%
12.3%	118,544	117,278	-1,267	-1.1%
13.6%	108,403	105,511	-2,892	-2.7%
14.8%	101,716	101,601	-114	-0.1%
16.0%	92,435	92,460	25	0.0%
17.3%	88,770	88,787	17	0.0%
18.5%	84,099	81,525	-2,574	-3.1%
19.8%	76,648	78,246	1,598	2.1%
21.0%	75,992	75,431	-561	-0.7%
22.2%	75,436	73,036	-2,400	-3.2%
23.5%	74,112	72,774	-1,338	-1.8%
24.7%	72,055	71,358	-697	-1.0%
25.9%	70,630	68,606	-2,025	-2.9%
27.2%	69,602	65,586	-4,016	-5.8%
28.4%	63,558	61,380	-2,177	-3.4%
29.6%	59,244	56,203	-3,041	-5.1%
30.9%	55,962	52,913	-3,049	-5.4%
32.1%	55,476	52,019	-3,457	-6.2%
33.3%	54,806	51,950	-2,856	-5.2%
34.6%	52,776	51,926	-850	-1.6%
35.8%	52,676	49,176	-3,500	-6.6%
37.0%	52,268	48,862	-3,406	-6.5%
38.3%	52,158	47,226	-4,932	-9.5%
39.5%	50,940	47,100	-3,840	-7.5%
40.7%	49,197	46,920	-2,277	-4.6%
42.0%	48,227	43,406	-4,821	-10.0%
43.2%	46,038	41,561	-4,477	-9.7%
44.4%	44,620	40,439	-4,181	-9.4%
45.7%	38,653	38,669	16	0.0%
46.9%	38,431	36,994	-1,437	-3.7%
48.1%	36,513	34,398	-2,116	-5.8%
49.4%	35,577	31,490	-4,087	-11.5%
50.6%	33,653	31,157	-2,495	-7.4%
51.9%	33,260	30,081	-3,179	-9.6%
53.1%	33,222	28,891	-4,332	-13.0%
54.3%	32,900	28,173	-4,727	-14.4%
55.6%	28,595	25,959	-2,636	-9.2%
56.8%	24,308	24,114	-194	-0.8%
58.0%	23,538	21,712	-1,826	-7.8%
59.3%	22,900	21,686	-1,214	-5.3%
60.5%	21,843	19,781	-2,063	-9.4%
61.7%	21,264	18,703	-2,561	-12.0%
63.0%	20,917	18,037	-2,880	-13.8%
64.2%	20,408	17,448	-2,960	-14.5%
65.4%	19,433	17,081	-2,352	-12.1%
66.7%	18,826	16,321	-2,505	-13.3%
67.9%	16,689	16,233	-456	-2.7%
69.1%	16,624	15,304	-1,321	-7.9%
70.4%	15,932	14,756	-1,176	-7.4%
71.6%	15,652	14,500	-1,152	-7.4%
72.8%	15,576	14,451	-1,124	-7.2%
74.1%	15,036	14,389	-647	-4.3%
75.3%	14,500	13,029	-1,471	-10.1%
76.5%	14,295	13,008	-1,288	-9.0%
77.8%	14,284	12,515	-1,769	-12.4%
79.0%	14,024	12,415	-1,609	-11.5%
80.2%	13,526	11,749	-1,777	-13.1%
81.5%	13,326	11,400	-1,926	-14.5%
82.7%	12,298	11,145	-1,153	-9.4%
84.0%	11,435	10,739	-696	-6.1%
85.2%	11,400	10,625	-775	-6.8%
86.4%	11,145	10,614	-531	-4.8%
87.7%	10,167	9,914	-253	-2.5%
88.9%	9,613	9,420	-192	-2.0%
90.1%	9,063	8,955	-108	-1.2%
91.4%	8,980	8,941	-38	-0.4%
92.6%	8,193	8,636	443	5.4%
93.8%	8,117	8,559	441	5.4%
95.1%	7,990	8,549	559	7.0%
96.3%	7,714	7,867	153	2.0%
97.5%	7,682	7,714	32	0.4%
98.8%	7,528	7,711	183	2.4%
100.0%	6,643	7,688	1,046	15.7%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative A Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	258,964	258,937	-26	0.0%
1.2%	212,300	206,977	-5,323	-2.5%
2.5%	167,229	167,213	-16	0.0%
3.7%	146,256	142,532	-3,724	-2.5%
4.9%	116,437	116,290	-147	-0.1%
6.2%	110,246	107,311	-2,935	-2.7%
7.4%	107,301	103,652	-3,650	-3.4%
8.6%	88,721	88,739	18	0.0%
9.9%	86,200	86,173	-27	0.0%
11.1%	84,411	83,462	-948	-1.1%
12.3%	83,841	82,065	-1,776	-2.1%
13.6%	82,221	81,348	-873	-1.1%
14.8%	81,391	81,041	-350	-0.4%
16.0%	69,601	68,132	-1,469	-2.1%
17.3%	68,217	64,345	-3,872	-5.7%
18.5%	65,391	64,202	-1,189	-1.8%
19.8%	62,911	63,140	229	0.4%
21.0%	62,760	61,942	-819	-1.3%
22.2%	61,763	61,649	-114	-0.2%
23.5%	59,761	59,777	16	0.0%
24.7%	58,544	58,030	-515	-0.9%
25.9%	54,944	54,935	-9	0.0%
27.2%	49,063	46,046	-3,017	-6.1%
28.4%	47,274	43,523	-3,751	-7.9%
29.6%	46,510	42,951	-3,559	-7.7%
30.9%	44,524	40,746	-3,778	-8.5%
32.1%	41,444	38,044	-3,400	-8.2%
33.3%	41,384	38,027	-3,358	-8.1%
34.6%	38,442	36,970	-1,472	-3.8%
35.8%	37,026	36,300	-726	-2.0%
37.0%	36,041	36,042	1	0.0%
38.3%	34,605	33,480	-1,125	-3.3%
39.5%	33,983	32,391	-1,592	-4.7%
40.7%	33,541	30,021	-3,520	-10.5%
42.0%	31,367	29,535	-1,832	-5.8%
43.2%	29,997	29,116	-881	-2.9%
44.4%	29,079	28,107	-973	-3.3%
45.7%	28,118	27,586	-532	-1.9%
46.9%	27,508	27,068	-440	-1.6%
48.1%	27,115	27,035	-81	-0.3%
49.4%	26,956	26,337	-619	-2.3%
50.6%	26,039	23,569	-2,469	-9.5%
51.9%	23,804	22,839	-964	-4.1%
53.1%	23,722	21,796	-1,925	-8.1%
54.3%	23,570	21,223	-2,347	-10.0%
55.6%	23,125	19,023	-4,102	-17.7%
56.8%	22,712	18,721	-3,991	-17.6%
58.0%	22,469	18,711	-3,758	-16.7%
59.3%	21,410	18,290	-3,119	-14.6%
60.5%	20,045	18,252	-1,793	-8.9%
61.7%	19,822	17,562	-2,260	-11.4%
63.0%	19,164	17,107	-2,056	-10.7%
64.2%	18,519	16,877	-1,642	-8.9%
65.4%	18,219	16,571	-1,647	-9.0%
66.7%	17,749	15,260	-2,489	-14.0%
67.9%	17,698	15,194	-2,504	-14.1%
69.1%	17,148	14,857	-2,291	-13.4%
70.4%	17,124	14,475	-2,649	-15.5%
71.6%	16,796	13,371	-3,425	-20.4%
72.8%	16,244	13,117	-3,127	-19.2%
74.1%	14,759	12,758	-2,001	-13.6%
75.3%	13,923	12,370	-1,553	-11.2%
76.5%	13,495	12,162	-1,333	-9.9%
77.8%	13,051	12,005	-1,046	-8.0%
79.0%	12,881	11,963	-919	-7.1%
80.2%	12,758	11,481	-1,277	-10.0%
81.5%	11,533	11,458	-75	-0.7%
82.7%	11,482	11,400	-82	-0.7%
84.0%	11,432	11,175	-257	-2.2%
85.2%	10,987	10,999	12	0.1%
86.4%	10,925	10,323	-602	-5.5%
87.7%	10,625	10,265	-360	-3.4%
88.9%	9,740	9,729	-11	-0.1%
90.1%	9,347	9,205	-142	-1.5%
91.4%	9,129	9,048	-81	-0.9%
92.6%	9,013	8,914	-99	-1.1%
93.8%	7,911	8,736	825	10.4%
95.1%	7,704	8,591	887	11.5%
96.3%	7,684	7,744	60	0.8%
97.5%	7,581	7,465	-116	-1.5%
98.8%	7,239	7,464	225	3.1%
100.0%	6,088	7,239	1,150	18.9%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative A Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	139,382	139,344	-38	0.0%
1.2%	103,201	103,160	-41	0.0%
2.5%	96,762	96,750	-12	0.0%
3.7%	87,679	87,633	-46	-0.1%
4.9%	77,856	77,823	-33	0.0%
6.2%	77,480	77,452	-28	0.0%
7.4%	74,402	74,351	-51	-0.1%
8.6%	71,387	68,752	-2,635	-3.7%
9.9%	68,743	68,520	-223	-0.3%
11.1%	68,129	66,590	-1,539	-2.3%
12.3%	63,524	63,480	-44	-0.1%
13.6%	59,927	59,906	-21	0.0%
14.8%	57,577	57,542	-36	-0.1%
16.0%	54,611	54,598	-13	0.0%
17.3%	54,473	52,452	-2,021	-3.7%
18.5%	52,436	51,069	-1,367	-2.6%
19.8%	49,554	46,634	-2,919	-5.9%
21.0%	47,592	46,220	-1,373	-2.9%
22.2%	45,501	45,608	106	0.2%
23.5%	43,208	43,192	-16	0.0%
24.7%	39,179	36,587	-2,592	-6.6%
25.9%	33,186	33,125	-61	-0.2%
27.2%	30,246	30,370	125	0.4%
28.4%	28,791	29,063	272	0.9%
29.6%	28,733	29,038	304	1.1%
30.9%	28,422	28,700	278	1.0%
32.1%	28,088	27,493	-595	-2.1%
33.3%	28,054	27,171	-884	-3.2%
34.6%	27,807	26,846	-960	-3.5%
35.8%	27,521	26,695	-826	-3.0%
37.0%	27,205	26,610	-595	-2.2%
38.3%	26,858	26,027	-832	-3.1%
39.5%	26,826	24,899	-1,927	-7.2%
40.7%	26,622	24,227	-2,395	-9.0%
42.0%	26,011	24,214	-1,797	-6.9%
43.2%	22,930	23,029	99	0.4%
44.4%	22,122	22,155	33	0.1%
45.7%	21,737	21,885	147	0.7%
46.9%	21,263	21,729	466	2.2%
48.1%	20,047	19,544	-503	-2.5%
49.4%	19,794	19,286	-507	-2.6%
50.6%	18,510	19,241	731	3.9%
51.9%	18,416	18,513	97	0.5%
53.1%	17,733	17,815	81	0.5%
54.3%	17,712	17,714	2	0.0%
55.6%	17,311	17,297	-14	-0.1%
56.8%	17,004	17,006	2	0.0%
58.0%	15,941	16,405	465	2.9%
59.3%	15,817	15,860	43	0.3%
60.5%	14,448	15,015	567	3.9%
61.7%	14,341	14,894	553	3.9%
63.0%	14,249	14,424	176	1.2%
64.2%	14,048	14,244	196	1.4%
65.4%	13,568	14,050	482	3.6%
66.7%	13,081	13,583	502	3.8%
67.9%	13,024	13,032	7	0.1%
69.1%	12,406	12,923	517	4.2%
70.4%	12,305	12,574	270	2.2%
71.6%	12,130	12,314	184	1.5%
72.8%	12,125	12,098	-27	-0.2%
74.1%	12,080	11,776	-305	-2.5%
75.3%	11,789	11,265	-524	-4.4%
76.5%	11,332	11,153	-179	-1.6%
77.8%	11,153	11,044	-110	-1.0%
79.0%	11,056	10,661	-395	-3.6%
80.2%	10,446	10,578	133	1.3%
81.5%	10,437	10,445	8	0.1%
82.7%	10,069	10,156	88	0.9%
84.0%	10,043	10,131	88	0.9%
85.2%	9,844	9,911	68	0.7%
86.4%	9,770	9,770	-1	0.0%
87.7%	9,673	9,673	0	0.0%
88.9%	9,673	9,673	0	0.0%
90.1%	9,660	9,673	14	0.1%
91.4%	9,319	9,550	231	2.5%
92.6%	9,123	9,427	304	3.3%
93.8%	8,860	8,865	5	0.1%
95.1%	8,657	8,290	-367	-4.2%
96.3%	7,817	7,817	0	0.0%
97.5%	7,740	7,730	-10	-0.1%
98.8%	7,100	7,100	0	0.0%
100.0%	6,087	5,616	-470	-7.7%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative A Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,962	83,846	-116	-0.1%
1.2%	76,777	76,677	-101	-0.1%
2.5%	74,598	74,459	-139	-0.2%
3.7%	66,906	66,764	-143	-0.2%
4.9%	61,505	61,545	40	0.1%
6.2%	59,846	59,801	-44	-0.1%
7.4%	56,600	56,457	-142	-0.3%
8.6%	55,971	55,550	-421	-0.8%
9.9%	53,804	53,752	-52	-0.1%
11.1%	49,128	49,008	-120	-0.2%
12.3%	47,312	48,410	1,098	2.3%
13.6%	46,897	47,217	320	0.7%
14.8%	44,439	44,276	-163	-0.4%
16.0%	40,615	41,565	949	2.3%
17.3%	40,336	40,328	-8	0.0%
18.5%	31,436	31,435	-1	0.0%
19.8%	29,998	30,298	300	1.0%
21.0%	29,777	29,662	-114	-0.4%
22.2%	29,545	27,027	-2,518	-8.5%
23.5%	27,023	25,949	-1,074	-4.0%
24.7%	26,216	24,811	-1,405	-5.4%
25.9%	25,290	24,653	-637	-2.5%
27.2%	24,736	24,241	-496	-2.0%
28.4%	23,947	23,870	-77	-0.3%
29.6%	21,614	21,540	-74	-0.3%
30.9%	21,602	20,943	-659	-3.0%
32.1%	20,427	20,246	-181	-0.9%
33.3%	20,245	20,238	-7	0.0%
34.6%	20,149	20,229	80	0.4%
35.8%	19,872	19,815	-57	-0.3%
37.0%	19,573	19,568	-5	0.0%
38.3%	19,323	19,173	-150	-0.8%
39.5%	18,729	18,982	252	1.3%
40.7%	18,326	18,630	304	1.7%
42.0%	18,203	18,301	97	0.5%
43.2%	18,181	18,171	-10	-0.1%
44.4%	18,168	18,111	-56	-0.3%
45.7%	17,982	17,983	2	0.0%
46.9%	17,144	17,146	2	0.0%
48.1%	16,950	16,957	6	0.0%
49.4%	15,986	15,976	-10	-0.1%
50.6%	15,655	15,659	4	0.0%
51.9%	14,857	15,319	462	3.1%
53.1%	13,970	13,972	2	0.0%
54.3%	13,418	13,424	6	0.0%
55.6%	13,276	13,271	-5	0.0%
56.8%	12,662	13,168	505	4.0%
58.0%	12,325	12,331	6	0.0%
59.3%	11,937	12,286	349	2.9%
60.5%	11,863	12,218	355	3.0%
61.7%	11,241	11,735	494	4.4%
63.0%	10,926	11,419	493	4.5%
64.2%	10,874	11,065	190	1.8%
65.4%	10,861	10,972	111	1.0%
66.7%	10,452	10,877	425	4.1%
67.9%	10,220	10,440	219	2.1%
69.1%	10,054	10,058	4	0.0%
70.4%	9,987	9,989	2	0.0%
71.6%	9,905	9,821	-85	-0.9%
72.8%	9,722	9,779	58	0.6%
74.1%	9,590	9,694	104	1.1%
75.3%	9,412	9,582	169	1.8%
76.5%	9,092	9,401	309	3.4%
77.8%	9,007	9,379	373	4.1%
79.0%	8,735	9,013	278	3.2%
80.2%	8,476	8,631	155	1.8%
81.5%	8,159	8,343	184	2.3%
82.7%	8,034	8,214	180	2.2%
84.0%	7,936	7,932	-4	-0.1%
85.2%	7,820	7,820	0	0.0%
86.4%	7,683	7,645	-38	-0.5%
87.7%	7,656	7,328	-327	-4.3%
88.9%	7,100	7,100	0	0.0%
90.1%	7,100	7,100	0	0.0%
91.4%	6,875	6,816	-59	-0.9%
92.6%	6,740	6,719	-21	-0.3%
93.8%	6,144	6,436	292	4.8%
95.1%	5,036	5,025	-12	-0.2%
96.3%	4,466	4,007	-459	-10.3%
97.5%	4,188	4,000	-188	-4.5%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-3b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	73,319	73,063	-256	-0.3%
1.2%	70,117	70,010	-106	-0.2%
2.5%	41,798	42,670	872	2.1%
3.7%	40,147	41,318	1,171	2.9%
4.9%	39,141	39,616	475	1.2%
6.2%	37,252	39,525	2,272	6.1%
7.4%	37,069	37,537	467	1.3%
8.6%	34,636	35,015	380	1.1%
9.9%	29,942	30,792	850	2.8%
11.1%	22,442	23,757	1,315	5.9%
12.3%	22,428	21,237	-1,191	-5.3%
13.6%	20,382	20,962	580	2.8%
14.8%	20,208	20,878	670	3.3%
16.0%	19,846	20,577	730	3.7%
17.3%	17,908	18,542	634	3.5%
18.5%	15,120	16,439	1,319	8.7%
19.8%	14,508	15,616	1,108	7.6%
21.0%	14,242	15,274	1,033	7.3%
22.2%	12,985	13,183	198	1.5%
23.5%	12,688	13,087	399	3.1%
24.7%	12,342	12,998	656	5.3%
25.9%	11,382	12,512	1,130	9.9%
27.2%	10,931	11,666	736	6.7%
28.4%	10,761	11,496	735	6.8%
29.6%	10,707	11,250	544	5.1%
30.9%	10,633	10,836	203	1.9%
32.1%	9,892	10,408	517	5.2%
33.3%	9,550	10,346	796	8.3%
34.6%	9,229	10,246	1,017	11.0%
35.8%	9,030	10,044	1,015	11.2%
37.0%	8,883	10,028	1,145	12.9%
38.3%	8,740	9,240	500	5.7%
39.5%	8,709	9,193	484	5.6%
40.7%	8,230	8,650	420	5.1%
42.0%	8,211	8,577	366	4.5%
43.2%	8,056	8,558	501	6.2%
44.4%	7,901	8,341	440	5.6%
45.7%	7,762	8,033	272	3.5%
46.9%	7,700	7,989	289	3.7%
48.1%	7,498	7,972	474	6.3%
49.4%	7,486	7,951	466	6.2%
50.6%	7,243	7,946	703	9.7%
51.9%	7,243	7,743	500	6.9%
53.1%	7,220	7,691	470	6.5%
54.3%	7,206	7,678	471	6.5%
55.6%	7,199	7,600	401	5.6%
56.8%	7,122	7,600	478	6.7%
58.0%	7,100	7,600	500	7.0%
59.3%	7,100	7,600	500	7.0%
60.5%	7,100	7,556	456	6.4%
61.7%	7,100	7,546	446	6.3%
63.0%	7,100	7,531	431	6.1%
64.2%	7,100	7,526	426	6.0%
65.4%	7,100	7,433	333	4.7%
66.7%	7,100	7,433	333	4.7%
67.9%	7,100	7,433	333	4.7%
69.1%	7,026	7,425	399	5.7%
70.4%	7,026	7,243	218	3.1%
71.6%	6,925	7,219	294	4.2%
72.8%	6,869	7,213	345	5.0%
74.1%	6,753	7,119	366	5.4%
75.3%	6,739	7,100	361	5.4%
76.5%	6,563	7,100	537	8.2%
77.8%	6,563	7,063	500	7.6%
79.0%	6,478	6,964	486	7.5%
80.2%	6,422	6,922	500	7.8%
81.5%	6,375	6,875	500	7.8%
82.7%	6,320	6,864	544	8.6%
84.0%	6,246	6,748	503	8.0%
85.2%	6,166	6,198	33	0.5%
86.4%	6,094	5,910	-184	-3.0%
87.7%	5,713	5,647	-66	-1.2%
88.9%	5,556	5,603	48	0.9%
90.1%	5,469	5,396	-73	-1.3%
91.4%	5,213	4,845	-368	-7.1%
92.6%	4,032	4,844	812	20.1%
93.8%	4,000	4,500	500	12.5%
95.1%	4,000	4,333	333	8.3%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	34,870	34,636	-233	-0.7%
1.2%	27,872	27,854	-18	-0.1%
2.5%	20,838	21,224	386	1.9%
3.7%	13,925	16,332	2,408	17.3%
4.9%	11,907	12,935	1,028	8.6%
6.2%	11,823	12,839	1,016	8.6%
7.4%	11,209	12,657	1,448	12.9%
8.6%	11,163	12,657	1,494	13.4%
9.9%	11,143	12,538	1,395	12.5%
11.1%	10,998	12,486	1,488	13.5%
12.3%	10,897	12,369	1,472	13.5%
13.6%	10,789	12,232	1,444	13.4%
14.8%	10,715	12,090	1,375	12.8%
16.0%	10,700	11,967	1,267	11.8%
17.3%	10,545	11,931	1,386	13.1%
18.5%	10,528	11,641	1,113	10.6%
19.8%	9,455	10,779	1,324	14.0%
21.0%	8,989	10,290	1,301	14.5%
22.2%	8,924	10,247	1,323	14.8%
23.5%	8,878	10,246	1,367	15.4%
24.7%	8,868	10,132	1,264	14.3%
25.9%	8,815	9,871	1,055	12.0%
27.2%	8,806	9,684	878	10.0%
28.4%	8,794	9,508	714	8.1%
29.6%	8,367	9,502	1,136	13.6%
30.9%	8,355	9,500	1,145	13.7%
32.1%	8,000	9,500	1,500	18.7%
33.3%	8,000	9,500	1,500	18.7%
34.6%	8,000	9,500	1,500	18.7%
35.8%	8,000	9,500	1,500	18.7%
37.0%	8,000	9,500	1,500	18.7%
38.3%	8,000	9,500	1,500	18.7%
39.5%	8,000	9,500	1,500	18.7%
40.7%	8,000	9,500	1,500	18.7%
42.0%	8,000	9,500	1,500	18.8%
43.2%	8,000	9,500	1,500	18.8%
44.4%	8,000	9,163	1,163	14.5%
45.7%	8,000	9,053	1,053	13.2%
46.9%	8,000	9,000	1,000	12.5%
48.1%	8,000	8,956	956	11.9%
49.4%	8,000	8,544	544	6.8%
50.6%	8,000	8,032	32	0.4%
51.9%	8,000	8,000	0	0.0%
53.1%	7,219	8,000	781	10.8%
54.3%	7,014	8,000	986	14.1%
55.6%	6,684	8,000	1,316	19.7%
56.8%	6,539	8,000	1,461	22.4%
58.0%	6,500	8,000	1,500	23.1%
59.3%	6,500	8,000	1,500	23.1%
60.5%	6,500	8,000	1,500	23.1%
61.7%	6,500	7,275	775	11.9%
63.0%	6,500	7,245	745	11.5%
64.2%	5,817	6,957	1,141	19.6%
65.4%	5,676	6,637	961	16.9%
66.7%	5,658	6,625	967	17.1%
67.9%	5,557	6,500	943	17.0%
69.1%	5,455	6,500	1,045	19.2%
70.4%	5,317	6,500	1,183	22.2%
71.6%	5,265	6,500	1,235	23.5%
72.8%	5,123	6,500	1,377	26.9%
74.1%	5,119	6,500	1,381	27.0%
75.3%	5,085	6,381	1,296	25.5%
76.5%	5,000	6,247	1,247	24.9%
77.8%	5,000	6,146	1,146	22.9%
79.0%	5,000	6,000	1,000	20.0%
80.2%	5,000	6,000	1,000	20.0%
81.5%	5,000	5,971	971	19.4%
82.7%	5,000	5,955	955	19.1%
84.0%	5,000	5,882	882	17.6%
85.2%	5,000	5,821	821	16.4%
86.4%	5,000	5,744	744	14.9%
87.7%	4,937	5,500	563	11.4%
88.9%	4,874	5,155	281	5.8%
90.1%	4,803	5,000	197	4.1%
91.4%	4,098	4,940	842	20.6%
92.6%	4,000	4,672	672	16.8%
93.8%	4,000	4,131	131	3.3%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	14,661	16,669	2,009	13.7%
1.2%	11,565	14,220	2,656	23.0%
2.5%	8,056	6,806	-1,250	-15.5%
3.7%	6,285	6,722	437	6.9%
4.9%	6,041	6,408	367	6.1%
6.2%	5,810	6,303	493	8.5%
7.4%	5,558	6,145	588	10.6%
8.6%	5,451	6,137	686	12.6%
9.9%	5,388	6,001	613	11.4%
11.1%	5,178	5,997	818	15.8%
12.3%	5,083	5,822	739	14.5%
13.6%	5,025	5,784	759	15.1%
14.8%	5,014	5,766	751	15.0%
16.0%	4,941	5,722	781	15.8%
17.3%	4,892	5,652	760	15.5%
18.5%	4,885	5,618	733	15.0%
19.8%	4,878	5,588	711	14.6%
21.0%	4,833	5,509	676	14.0%
22.2%	4,816	5,458	642	13.3%
23.5%	4,761	5,307	546	11.5%
24.7%	4,757	5,229	472	9.9%
25.9%	4,700	5,184	485	10.3%
27.2%	4,699	5,180	481	10.2%
28.4%	4,696	5,071	375	8.0%
29.6%	4,567	5,044	477	10.4%
30.9%	4,556	5,004	448	9.8%
32.1%	4,534	5,000	466	10.3%
33.3%	4,490	5,000	510	11.4%
34.6%	4,355	5,000	645	14.8%
35.8%	4,275	5,000	725	17.0%
37.0%	4,190	5,000	810	19.3%
38.3%	4,166	5,000	834	20.0%
39.5%	4,161	5,000	839	20.2%
40.7%	4,089	5,000	911	22.3%
42.0%	4,073	5,000	927	22.8%
43.2%	4,036	5,000	964	23.9%
44.4%	4,029	5,000	971	24.1%
45.7%	4,011	5,000	989	24.7%
46.9%	4,000	4,976	976	24.4%
48.1%	4,000	4,967	967	24.2%
49.4%	4,000	4,911	911	22.8%
50.6%	4,000	4,594	594	14.9%
51.9%	4,000	4,507	507	12.7%
53.1%	4,000	4,300	300	7.5%
54.3%	4,000	4,249	249	6.2%
55.6%	4,000	4,150	150	3.8%
56.8%	4,000	4,110	110	2.7%
58.0%	4,000	4,070	70	1.7%
59.3%	4,000	4,027	27	0.7%
60.5%	4,000	4,015	15	0.4%
61.7%	4,000	4,013	13	0.3%
63.0%	4,000	4,013	13	0.3%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	3,974	-26	-0.6%
97.5%	4,000	3,658	-342	-8.5%
98.8%	4,000	3,651	-349	-8.7%
100.0%	3,138	3,630	492	15.7%

September				
Percent Exceedance Probability (%)	No Action Alternative	Alternative A	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	22,589	22,031	-558	-2.5%
1.2%	22,031	21,250	-781	-3.5%
2.5%	21,250	21,094	-156	-0.7%
3.7%	21,094	20,938	-156	-0.7%
4.9%	20,938	20,938	0	0.0%
6.2%	20,938	20,781	-156	-0.7%
7.4%	20,625	20,625	0	0.0%
8.6%	20,469	20,156	-313	-1.5%
9.9%	20,156	20,156	0	0.0%
11.1%	20,000	20,038	38	0.2%
12.3%	19,844	20,000	156	0.8%
13.6%	19,688	19,688	0	0.0%
14.8%	19,688	19,688	0	0.0%
16.0%	19,375	19,688	313	1.6%
17.3%	19,375	19,531	156	0.8%
18.5%	19,375	19,375	0	0.0%
19.8%	19,375	19,375	0	0.0%
21.0%	19,063	19,219	156	0.8%
22.2%	19,063	19,063	0	0.0%
23.5%	19,063	19,063	0	0.0%
24.7%	18,901	18,594	-308	-1.6%
25.9%	18,750	18,594	-156	-0.8%
27.2%	18,594	18,438	-156	-0.8%
28.4%	18,438	18,125	-313	-1.7%
29.6%	18,438	15,781	-2,656	-14.4%
30.9%	14,688	15,679	992	6.8%
32.1%	13,750	13,594	-156	-1.1%
33.3%	12,188	12,031	-156	-1.3%
34.6%	11,719	11,719	0	0.0%
35.8%	11,719	11,563	-156	-1.3%
37.0%	11,563	11,563	0	0.0%
38.3%	11,563	11,563	0	0.0%
39.5%	11,563	11,563	0	0.0%
40.7%	11,563	11,563	0	0.0%
42.0%	11,406	11,563	156	1.4%
43.2%	11,406	11,406	0	0.0%
44.4%	11,406	11,250	-156	-1.4%
45.7%	10,938	10,781	-156	-1.4%
46.9%	4,056	5,292	1,235	30.5%
48.1%	3,981	5,272	1,290	32.4%
49.4%	3,889	5,195	1,306	33.6%
50.6%	3,631	5,063	1,432	39.4%
51.9%	3,560	4,938	1,378	38.7%
53.1%	3,515	4,735	1,220	34.7%
54.3%	3,500	4,638	1,138	32.5%
55.6%	3,460	4,558	1,099	31.8%
56.8%	3,438	4,439	1,002	29.1%
58.0%	3,348	4,389	1,042	31.1%
59.3%	3,278	4,319	1,041	31.8%
60.5%	3,228	4,146	917	28.4%
61.7%	3,146	4,087	942	29.9%
63.0%	3,096	4,087	992	32.0%
64.2%	3,090	4,069	979	31.7%
65.4%	3,087	4,000	913	29.6%
66.7%	3,087	4,000	913	29.6%
67.9%	3,087	3,908	820	26.6%
69.1%	3,087	3,775	688	22.3%
70.4%	3,087	3,735	648	21.0%
71.6%	3,087	3,725	637	20.6%
72.8%	3,075	3,658	583	19.0%
74.1%	3,000	3,587	587	19.6%
75.3%	3,000	3,441	441	14.7%
76.5%	3,000	3,435	435	14.5%
77.8%	3,000	3,362	362	12.1%
79.0%	3,000	3,326	326	10.9%
80.2%	3,000	3,195	195	6.5%
81.5%	3,000	3,186	186	6.2%
82.7%	3,000	3,165	165	5.5%
84.0%	3,000	3,090	90	3.0%
85.2%	3,000	3,087	87	2.9%
86.4%	3,000	3,087	87	2.9%
87.7%	3,000	3,000	0	0.0%
88.9%	3,000	3,000	0	0.0%
90.1%	3,000	3,000	0	0.0%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-34-3a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	4,708	4,028	4,507	5,014	5,702	5,143	3,909	3,347	5,679	7,772	6,490	5,711
Alternative A	4,509	4,014	4,513	4,881	5,560	4,998	3,881	3,348	5,744	7,442	6,732	5,915
Difference	-199	-14	5	-133	-142	-145	-28	1	66	-331	242	205
Percent Difference[3]	-4.2%	-0.3%	0.1%	-2.6%	-2.5%	-2.8%	-0.7%	0.0%	1.2%	-4.3%	3.7%	3.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,734	4,204	4,923	7,555	8,380	7,401	5,875	5,047	6,554	7,922	6,759	5,434
Alternative A	4,173	4,014	4,919	7,481	8,279	7,367	5,856	5,052	6,355	7,396	6,818	5,345
Difference	-561	-190	-4	-74	-101	-34	-19	6	-198	-526	59	-89
Percent Difference	-11.9%	-4.5%	-0.1%	-1.0%	-1.2%	-0.5%	-0.3%	0.1%	-3.0%	-6.6%	0.9%	-1.6%
Above Normal (15%)												
No Action Alternative	5,081	4,373	4,548	5,929	6,776	6,663	4,281	3,580	5,499	8,492	6,908	8,115
Alternative A	4,795	4,055	4,462	5,700	6,579	6,569	4,231	3,569	5,995	6,698	6,955	8,335
Difference	-286	-318	-87	-229	-197	-94	-51	-11	496	-1,793	47	220
Percent Difference	-5.6%	-7.3%	-1.9%	-3.9%	-2.9%	-1.4%	-1.2%	-0.3%	9.0%	-21.1%	0.7%	2.7%
Below Normal (17%)												
No Action Alternative	4,988	4,301	5,024	3,875	4,930	3,917	3,142	2,674	5,592	8,311	6,690	5,654
Alternative A	5,065	4,444	5,098	3,584	4,824	3,670	3,112	2,649	5,789	8,258	6,859	6,126
Difference	77	143	74	-291	-106	-247	-29	-25	197	-53	170	472
Percent Difference	1.5%	3.3%	1.5%	-7.5%	-2.2%	-6.3%	-0.9%	-0.9%	3.5%	-0.6%	2.5%	8.4%
Dry (22%)												
No Action Alternative	4,541	3,747	4,345	3,130	3,655	3,540	2,570	2,259	5,293	7,668	6,693	5,361
Alternative A	4,567	4,028	4,362	3,028	3,459	3,229	2,520	2,274	5,365	8,013	7,144	5,708
Difference	26	281	17	-102	-196	-311	-50	15	72	345	451	347
Percent Difference	0.6%	7.5%	0.4%	-3.3%	-5.4%	-8.8%	-2.0%	0.7%	1.4%	4.5%	6.7%	6.5%
Critical (15%)												
No Action Alternative	4,205	3,402	3,206	2,746	2,797	2,566	2,183	1,850	4,641	6,257	4,952	4,497
Alternative A	4,217	3,450	3,227	2,723	2,660	2,497	2,192	1,863	4,687	6,474	5,553	4,797
Difference	12	48	21	-24	-136	-70	9	12	46	217	602	300
Percent Difference	0.3%	1.4%	0.7%	-0.9%	-4.9%	-2.7%	0.4%	0.7%	1.0%	3.5%	12.2%	6.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-34-3b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

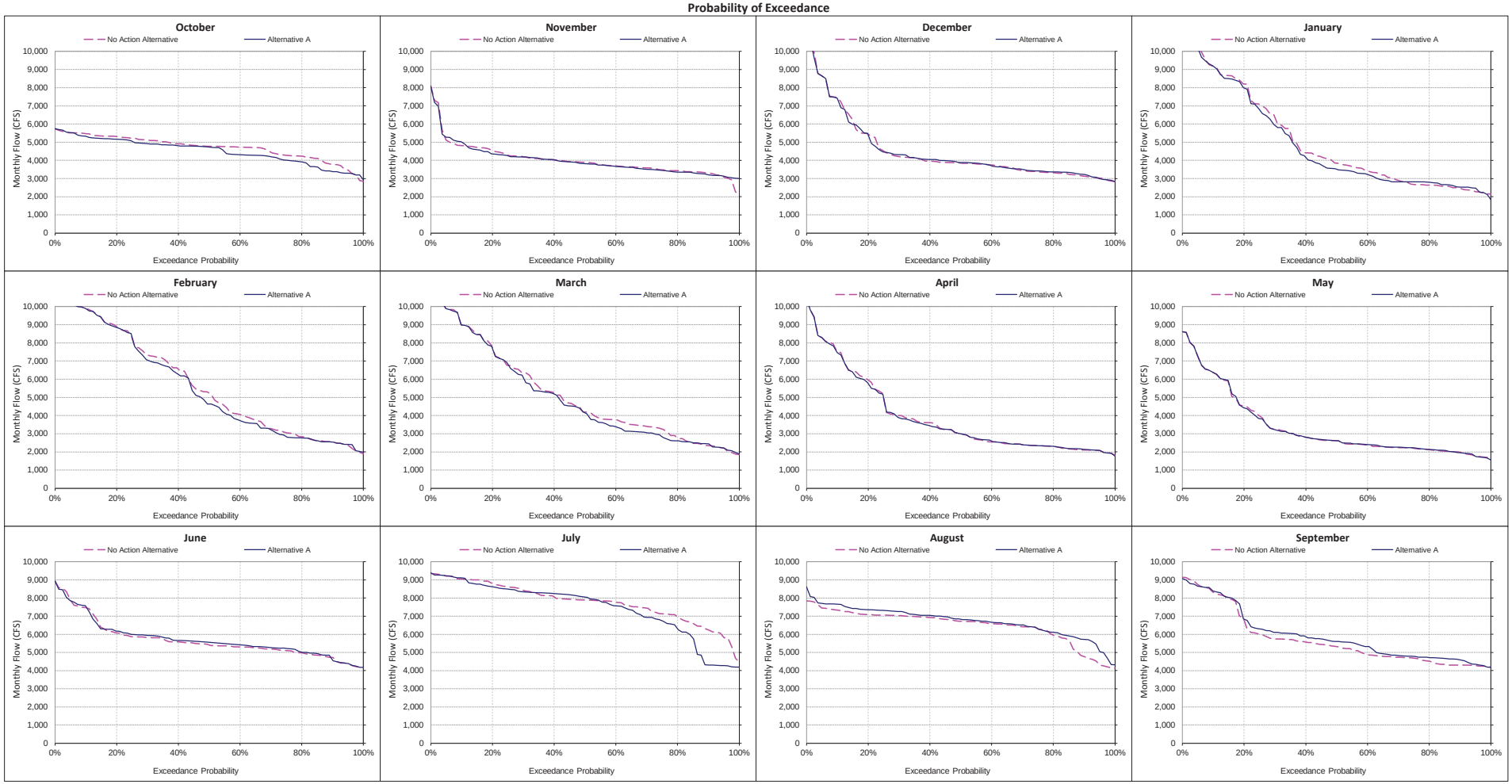


Table SW-34-3b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,730	5,750	20	0.3%
1.2%	5,653	5,691	37	0.7%
2.5%	5,594	5,674	79	1.4%
3.7%	5,523	5,561	38	0.7%
4.9%	5,518	5,532	14	0.2%
6.2%	5,514	5,520	6	0.1%
7.4%	5,513	5,387	-126	-2.3%
8.6%	5,506	5,341	-165	-3.0%
9.9%	5,473	5,328	-144	-2.6%
11.1%	5,452	5,263	-188	-3.5%
12.3%	5,377	5,229	-148	-2.7%
13.6%	5,365	5,220	-145	-2.7%
14.8%	5,346	5,209	-137	-2.6%
16.0%	5,336	5,194	-142	-2.7%
17.3%	5,332	5,188	-144	-2.7%
18.5%	5,326	5,179	-147	-2.8%
19.8%	5,325	5,168	-157	-2.9%
21.0%	5,273	5,146	-128	-2.4%
22.2%	5,263	5,145	-118	-2.2%
23.5%	5,246	5,124	-122	-2.3%
24.7%	5,223	5,082	-140	-2.7%
25.9%	5,218	4,976	-242	-4.6%
27.2%	5,150	4,963	-188	-3.6%
28.4%	5,137	4,946	-192	-3.7%
29.6%	5,135	4,929	-206	-4.0%
30.9%	5,097	4,903	-194	-3.8%
32.1%	5,093	4,902	-191	-3.8%
33.3%	5,078	4,895	-183	-3.6%
34.6%	5,027	4,856	-171	-3.4%
35.8%	5,027	4,856	-171	-3.4%
37.0%	4,990	4,851	-138	-2.8%
38.3%	4,914	4,850	-64	-1.3%
39.5%	4,911	4,823	-88	-1.8%
40.7%	4,910	4,791	-119	-2.4%
42.0%	4,881	4,788	-94	-1.9%
43.2%	4,855	4,782	-72	-1.5%
44.4%	4,827	4,782	-45	-0.9%
45.7%	4,822	4,782	-40	-0.8%
46.9%	4,782	4,764	-18	-0.4%
48.1%	4,781	4,759	-23	-0.5%
49.4%	4,778	4,747	-31	-0.6%
50.6%	4,776	4,714	-62	-1.3%
51.9%	4,770	4,710	-60	-1.3%
53.1%	4,768	4,704	-64	-1.3%
54.3%	4,766	4,579	-188	-3.9%
55.6%	4,759	4,369	-390	-8.2%
56.8%	4,747	4,337	-410	-8.6%
58.0%	4,747	4,332	-415	-8.7%
59.3%	4,737	4,327	-411	-8.7%
60.5%	4,732	4,306	-426	-9.0%
61.7%	4,722	4,297	-425	-9.0%
63.0%	4,720	4,287	-433	-9.2%
64.2%	4,710	4,282	-429	-9.1%
65.4%	4,704	4,270	-434	-9.2%
66.7%	4,692	4,268	-424	-9.0%
67.9%	4,629	4,261	-368	-7.9%
69.1%	4,522	4,232	-289	-6.4%
70.4%	4,410	4,194	-216	-4.9%
71.6%	4,370	4,156	-214	-4.9%
72.8%	4,307	4,078	-229	-5.3%
74.1%	4,298	4,024	-274	-6.4%
75.3%	4,270	4,009	-261	-6.1%
76.5%	4,253	3,973	-280	-6.6%
77.8%	4,246	3,967	-279	-6.6%
79.0%	4,242	3,944	-298	-7.0%
80.2%	4,225	3,910	-315	-7.5%
81.5%	4,179	3,849	-330	-7.9%
82.7%	4,165	3,653	-512	-12.3%
84.0%	4,117	3,652	-466	-11.3%
85.2%	4,111	3,632	-479	-11.7%
86.4%	3,997	3,459	-538	-13.5%
87.7%	3,847	3,424	-423	-11.0%
88.9%	3,808	3,421	-387	-10.2%
90.1%	3,766	3,379	-387	-10.3%
91.4%	3,763	3,374	-389	-10.3%
92.6%	3,720	3,330	-390	-10.5%
93.8%	3,512	3,293	-220	-6.3%
95.1%	3,457	3,291	-166	-4.8%
96.3%	3,270	3,282	12	0.4%
97.5%	3,211	3,202	-8	-0.3%
98.8%	2,892	3,197	305	10.5%
100.0%	2,845	2,920	74	2.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,113	8,086	-26	-0.3%
1.2%	7,297	7,196	-101	-1.4%
2.5%	7,176	6,987	-189	-2.6%
3.7%	5,663	5,451	-212	-3.7%
4.9%	5,126	5,278	152	3.0%
6.2%	4,997	5,265	268	5.4%
7.4%	4,927	5,104	178	3.6%
8.6%	4,829	5,061	232	4.8%
9.9%	4,818	5,023	205	4.3%
11.1%	4,804	4,890	86	1.8%
12.3%	4,779	4,684	-94	-2.0%
13.6%	4,756	4,615	-141	-3.0%
14.8%	4,724	4,590	-133	-2.8%
16.0%	4,697	4,571	-126	-2.7%
17.3%	4,692	4,488	-204	-4.3%
18.5%	4,650	4,485	-165	-3.6%
19.8%	4,569	4,357	-211	-4.6%
21.0%	4,483	4,338	-145	-3.2%
22.2%	4,458	4,318	-140	-3.1%
23.5%	4,400	4,294	-106	-2.4%
24.7%	4,302	4,268	-34	-0.8%
25.9%	4,249	4,208	-41	-1.0%
27.2%	4,240	4,203	-37	-0.9%
28.4%	4,226	4,194	-32	-0.8%
29.6%	4,213	4,189	-23	-0.5%
30.9%	4,171	4,188	17	0.4%
32.1%	4,135	4,161	26	0.6%
33.3%	4,098	4,146	48	1.2%
34.6%	4,097	4,130	32	0.8%
35.8%	4,096	4,060	-36	-0.9%
37.0%	4,059	4,057	-2	0.0%
38.3%	4,054	4,045	-9	-0.2%
39.5%	4,039	4,044	5	0.1%
40.7%	4,018	3,998	-20	-0.5%
42.0%	3,991	3,956	-35	-0.9%
43.2%	3,972	3,944	-28	-0.7%
44.4%	3,937	3,917	-20	-0.5%
45.7%	3,924	3,904	-20	-0.5%
46.9%	3,918	3,897	-21	-0.5%
48.1%	3,912	3,840	-73	-1.9%
49.4%	3,901	3,831	-70	-1.8%
50.6%	3,895	3,807	-87	-2.2%
51.9%	3,871	3,796	-75	-1.9%
53.1%	3,834	3,795	-39	-1.0%
54.3%	3,752	3,747	-5	-0.1%
55.6%	3,752	3,744	-8	-0.2%
56.8%	3,730	3,735	5	0.1%
58.0%	3,719	3,702	-17	-0.5%
59.3%	3,709	3,683	-26	-0.7%
60.5%	3,683	3,654	-29	-0.8%
61.7%	3,672	3,647	-25	-0.7%
63.0%	3,650	3,630	-20	-0.6%
64.2%	3,643	3,619	-25	-0.7%
65.4%	3,642	3,618	-23	-0.6%
66.7%	3,620	3,566	-54	-1.5%
67.9%	3,616	3,553	-62	-1.7%
69.1%	3,591	3,514	-77	-2.1%
70.4%	3,590	3,511	-79	-2.2%
71.6%	3,579	3,504	-75	-2.1%
72.8%	3,540	3,482	-59	-1.7%
74.1%	3,492	3,461	-31	-0.9%
75.3%	3,475	3,444	-31	-0.9%
76.5%	3,445	3,415	-30	-0.9%
77.8%	3,438	3,397	-41	-1.2%
79.0%	3,432	3,363	-69	-2.0%
80.2%	3,430	3,358	-72	-2.1%
81.5%	3,416	3,355	-61	-1.8%
82.7%	3,382	3,351	-32	-0.9%
84.0%	3,376	3,348	-28	-0.8%
85.2%	3,367	3,313	-54	-1.6%
86.4%	3,359	3,287	-72	-2.1%
87.7%	3,354	3,270	-84	-2.5%
88.9%	3,316	3,249	-67	-2.0%
90.1%	3,313	3,213	-100	-3.0%
91.4%	3,266	3,169	-97	-3.0%
92.6%	3,195	3,168	-27	-0.9%
93.8%	3,181	3,165	-16	-0.5%
95.1%	3,067	3,125	58	1.9%
96.3%	3,009	3,067	59	2.0%
97.5%	2,927	3,042	116	4.0%
98.8%	2,266	3,022	756	33.4%
100.0%	2,156	2,997	841	39.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,002	11,004	2	0.0%
1.2%	10,821	10,661	-160	-1.5%
2.5%	9,941	9,668	-273	-2.8%
3.7%	8,787	8,775	-13	-0.1%
4.9%	8,650	8,643	-7	-0.1%
6.2%	8,519	8,507	-12	-0.1%
7.4%	7,542	7,490	-51	-0.7%
8.6%	7,502	7,479	-23	-0.3%
9.9%	7,463	7,431	-32	-0.4%
11.1%	7,232	6,897	-334	-4.6%
12.3%	6,780	6,800	20	0.3%
13.6%	6,566	6,121	-445	-6.8%
14.8%	6,275	5,984	-291	-4.6%
16.0%	5,712	5,941	229	4.0%
17.3%	5,500	5,753	253	4.6%
18.5%	5,497	5,513	16	0.3%
19.8%	5,470	5,493	24	0.4%
21.0%	5,317	4,930	-386	-7.3%
22.2%	5,263	4,777	-486	-9.2%
23.5%	4,660	4,595	-65	-1.4%
24.7%	4,548	4,465	-83	-1.8%
25.9%	4,413	4,440	27	0.6%
27.2%	4,346	4,397	51	1.2%
28.4%	4,258	4,325	67	1.6%
29.6%	4,214	4,312	99	2.3%
30.9%	4,182	4,308	126	3.0%
32.1%	4,176	4,306	130	3.1%
33.3%	4,165	4,164	-1	0.0%
34.6%	4,139	4,158	19	0.4%
35.8%	4,079	4,112	33	0.8%
37.0%	4,077	4,081	4	0.1%
38.3%	3,982	4,068	87	2.2%
39.5%	3,957	4,055	98	2.5%
40.7%	3,953	4,043	90	2.3%
42.0%	3,941	4,042	101	2.6%
43.2%	3,900	3,998	98	2.5%
44.4%	3,892	3,988	96	2.5%
45.7%	3,880	3,984	104	2.7%
46.9%	3,875	3,967	92	2.4%
48.1%	3,871	3,943	73	1.9%
49.4%	3,862	3,887	25	0.6%
50.6%	3,836	3,884	49	1.3%
51.9%	3,835	3,879	43	1.1%
53.1%	3,822	3,870	47	1.2%
54.3%	3,818	3,851	33	0.9%
55.6%	3,796	3,844	49	1.3%
56.8%	3,794	3,811	17	0.4%
58.0%	3,779	3,790	11	0.3%
59.3%	3,760	3,743	-17	-0.4%
60.5%	3,741	3,673	-67	-1.8%
61.7%	3,707	3,647	-60	-1.6%
63.0%	3,663	3,644	-20	-0.5%
64.2%	3,663	3,601	-62	-1.7%
65.4%	3,616	3,568	-48	-1.3%
66.7%	3,606	3,548	-58	-1.6%
67.9%	3,503	3,530	27	0.8%
69.1%	3,461	3,528	67	1.9%
70.4%	3,440	3,484	44	1.3%
71.6%	3,408	3,455	48	1.4%
72.8%	3,393	3,440	47	1.4%
74.1%	3,390	3,426	36	1.1%
75.3%	3,360	3,415	56	1.7%
76.5%	3,350	3,411	61	1.8%
77.8%	3,337	3,373	36	1.1%
79.0%	3,331	3,371	40	1.2%
80.2%	3,321	3,364	43	1.3%
81.5%	3,301	3,359	58	1.8%
82.7%	3,292	3,351	59	1.8%
84.0%	3,289	3,350	61	1.9%
85.2%	3,229	3,333	104	3.2%
86.4%	3,206	3,312	106	3.3%
87.7%	3,195	3,269	74	2.3%
88.9%	3,148	3,233	84	2.7%
90.1%	3,122	3,219	97	3.1%
91.4%	3,105	3,172	67	2.2%
92.6%	3,088	3,092	4	0.1%
93.8%	3,048	3,078	30	1.0%
95.1%	3,028	2,989	-39	-1.3%
96.3%	3,004	2,951	-53	-1.8%
97.5%	2,910	2,935	25	0.9%
98.8%	2,861	2,902	41	1.4%
100.0%	2,829	2,838	9	0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,245	11,261	16	0.1%
1.2%	11,103	11,100	-3	0.0%
2.5%	10,848	10,755	-93	-0.9%
3.7%	10,481	10,481	0	0.0%
4.9%	10,276	10,208	-68	-0.7%
6.2%	9,985	9,681	-305	-3.0%
7.4%	9,561	9,481	-79	-0.8%
8.6%	9,263	9,316	53	0.6%
9.9%	9,182	9,194	12	0.1%
11.1%	9,119	9,038	-81	-0.9%
12.3%	8,717	8,737	20	0.2%
13.6%	8,680	8,513	-167	-1.9%
14.8%	8,663	8,496	-168	-1.9%
16.0%	8,652	8,474	-178	-2.1%
17.3%	8,497	8,405	-92	-1.1%
18.5%	8,416	8,342	-74	-0.9%
19.8%	8,214	8,003	-211	-2.6%
21.0%	8,201	7,911	-289	-3.5%
22.2%	7,299	7,121	-178	-2.4%
23.5%	7,120	7,092	-29	-0.4%
24.7%	7,100	6,857	-243	-3.4%
25.9%	6,994	6,579	-414	-5.9%
27.2%	6,854	6,459	-395	-5.8%
28.4%	6,542	6,266	-275	-4.2%
29.6%	6,511	5,972	-539	-8.3%
30.9%	5,976	5,809	-167	-2.8%
32.1%	5,931	5,807	-125	-2.1%
33.3%	5,758	5,478	-280	-4.9%
34.6%	5,754	5,362	-391	-6.8%
35.8%	5,032	4,953	-79	-1.6%
37.0%	4,934	4,716	-218	-4.4%
38.3%	4,529	4,326	-203	-4.5%
39.5%	4,425	4,260	-164	-3.7%
40.7%	4,405	4,018	-387	-8.8%
42.0%	4,400	3,980	-419	-9.5%
43.2%	4,244	3,874	-370	-8.7%
44.4%	4,230	3,817	-413	-9.8%
45.7%	4,150	3,681	-469	-11.3%
46.9%	4,097	3,579	-517	-12.6%
48.1%	4,032	3,565	-466	-11.6%
49.4%	3,853	3,548	-305	-7.9%
50.6%	3,835	3,472	-363	-9.5%
51.9%	3,763	3,459	-304	-8.1%
53.1%	3,746	3,452	-294	-7.8%
54.3%	3,695	3,415	-280	-7.6%
55.6%	3,627	3,377	-250	-6.9%
56.8%	3,581	3,297	-284	-7.9%
58.0%	3,567	3,277	-289	-8.1%
59.3%	3,455	3,262	-193	-5.6%
60.5%	3,389	3,200	-189	-5.6%
61.7%	3,339	3,128	-211	-6.3%
63.0%	3,328	3,016	-312	-9.4%
64.2%	3,203	2,949	-254	-7.9%
65.4%	3,202	2,907	-295	-9.2%
66.7%	3,051	2,885	-166	-5.4%
67.9%	3,041	2,824	-217	-7.1%
69.1%	2,943	2,824	-119	-4.0%
70.4%	2,877	2,824	-53	-1.9%
71.6%	2,825	2,824	-1	0.0%
72.8%	2,795	2,824	29	1.0%
74.1%	2,688	2,824	136	5.1%
75.3%	2,670	2,824	154	5.8%
76.5%	2,666	2,824	158	5.9%
77.8%	2,662	2,824	162	6.1%
79.0%	2,644	2,800	156	5.9%
80.2%	2,639	2,799	160	6.1%
81.5%	2,633	2,765	132	5.0%
82.7%	2,621	2,752	131	5.0%
84.0%	2,588	2,671	83	3.2%
85.2%	2,583	2,661	78	3.0%
86.4%	2,570	2,657	87	3.4%
87.7%	2,496	2,610	114	4.6%
88.9%	2,495	2,545	50	2.0%
90.1%	2,459	2,528	70	2.8%
91.4%	2,387	2,526	140	5.9%
92.6%	2,378	2,525	146	6.2%
93.8%	2,359	2,487	128	5.4%
95.1%	2,274	2,465	191	8.4%
96.3%	2,264	2,242	-22	-1.0%
97.5%	2,206	2,231	25	1.1%
98.8%	2,165	2,125	-40	-1.8%
100.0%	2,144	1,828	-316	-14.7%

Table SW-34-3b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,086	11,086	0	0.0%
1.2%	10,728	10,727	0	0.0%
2.5%	10,669	10,702	33	0.3%
3.7%	10,441	10,441	-1	0.0%
4.9%	10,265	10,248	-16	-0.2%
6.2%	10,142	10,088	-54	-0.5%
7.4%	10,058	9,994	-64	-0.6%
8.6%	9,974	9,974	1	0.0%
9.9%	9,928	9,902	-26	-0.3%
11.1%	9,823	9,757	-65	-0.7%
12.3%	9,731	9,727	-4	0.0%
13.6%	9,557	9,524	-33	-0.3%
14.8%	9,437	9,436	-1	0.0%
16.0%	9,138	9,138	0	0.0%
17.3%	9,089	9,022	-66	-0.7%
18.5%	9,041	8,929	-112	-1.2%
19.8%	8,929	8,860	-68	-0.8%
21.0%	8,756	8,791	35	0.4%
22.2%	8,685	8,686	1	0.0%
23.5%	8,672	8,578	-94	-1.1%
24.7%	8,425	8,515	89	1.1%
25.9%	7,767	7,770	3	0.0%
27.2%	7,733	7,542	-190	-2.5%
28.4%	7,571	7,336	-235	-3.1%
29.6%	7,355	7,082	-273	-3.7%
30.9%	7,292	6,990	-302	-4.1%
32.1%	7,254	6,926	-328	-4.5%
33.3%	7,196	6,894	-302	-4.2%
34.6%	7,191	6,794	-397	-5.5%
35.8%	7,053	6,736	-316	-4.5%
37.0%	6,839	6,672	-167	-2.4%
38.3%	6,635	6,470	-165	-2.5%
39.5%	6,630	6,328	-302	-4.6%
40.7%	6,454	6,191	-264	-4.1%
42.0%	6,442	6,182	-260	-4.0%
43.2%	6,060	6,061	1	0.0%
44.4%	5,660	5,382	-278	-4.9%
45.7%	5,468	5,103	-364	-6.7%
46.9%	5,387	5,033	-353	-6.6%
48.1%	5,313	4,887	-426	-8.0%
49.4%	5,310	4,641	-669	-12.6%
50.6%	5,174	4,632	-541	-10.5%
51.9%	4,844	4,554	-290	-6.0%
53.1%	4,699	4,455	-245	-5.2%
54.3%	4,638	4,219	-418	-9.0%
55.6%	4,435	4,083	-351	-7.9%
56.8%	4,172	4,016	-156	-3.7%
58.0%	4,118	3,841	-277	-6.7%
59.3%	4,082	3,768	-315	-7.7%
60.5%	4,035	3,687	-348	-8.6%
61.7%	3,954	3,619	-335	-8.5%
63.0%	3,873	3,588	-285	-7.4%
64.2%	3,795	3,579	-217	-5.7%
65.4%	3,731	3,563	-168	-4.5%
66.7%	3,676	3,306	-370	-10.1%
67.9%	3,442	3,306	-136	-4.0%
69.1%	3,306	3,294	-12	-0.4%
70.4%	3,261	3,189	-72	-2.2%
71.6%	3,198	3,056	-141	-4.4%
72.8%	3,193	2,961	-231	-7.2%
74.1%	3,097	2,926	-171	-5.5%
75.3%	3,037	2,801	-236	-7.8%
76.5%	3,033	2,799	-234	-7.7%
77.8%	2,990	2,785	-205	-6.9%
79.0%	2,848	2,780	-68	-2.4%
80.2%	2,837	2,768	-69	-2.4%
81.5%	2,837	2,762	-75	-2.6%
82.7%	2,689	2,729	39	1.5%
84.0%	2,649	2,639	-10	-0.4%
85.2%	2,610	2,608	-2	-0.1%
86.4%	2,606	2,558	-48	-1.8%
87.7%	2,569	2,558	-11	-0.4%
88.9%	2,560	2,558	-2	-0.1%
90.1%	2,543	2,538	-4	-0.2%
91.4%	2,486	2,479	-7	-0.3%
92.6%	2,476	2,470	-6	-0.2%
93.8%	2,400	2,412	13	0.5%
95.1%	2,362	2,411	49	2.1%
96.3%	2,197	2,404	207	9.4%
97.5%	2,044	2,063	19	0.9%
98.8%	1,985	2,024	39	2.0%
100.0%	1,894	1,981	87	4.6%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,681	0	0.0%
1.2%	11,140	11,149	9	0.1%
2.5%	10,464	10,465	0	0.0%
3.7%	10,255	10,202	-54	-0.5%
4.9%	9,890	9,890	0	0.0%
6.2%	9,835	9,824	-11	-0.1%
7.4%	9,824	9,746	-78	-0.8%
8.6%	9,644	9,683	39	0.4%
9.9%	8,985	8,985	0	0.0%
11.1%	8,957	8,957	0	0.0%
12.3%	8,893	8,893	0	0.0%
13.6%	8,696	8,577	-120	-1.4%
14.8%	8,459	8,459	0	0.0%
16.0%	8,457	8,455	-2	0.0%
17.3%	8,116	8,109	-8	-0.1%
18.5%	8,108	7,883	-225	-2.8%
19.8%	7,851	7,823	-28	-0.4%
21.0%	7,279	7,245	-34	-0.5%
22.2%	7,179	7,144	-35	-0.5%
23.5%	7,074	7,073	-1	0.0%
24.7%	6,773	6,925	151	2.2%
25.9%	6,750	6,592	-158	-2.3%
27.2%	6,589	6,442	-147	-2.2%
28.4%	6,545	6,264	-282	-4.3%
29.6%	6,358	6,227	-130	-2.1%
30.9%	6,352	5,809	-543	-8.6%
32.1%	6,211	5,744	-467	-7.5%
33.3%	5,851	5,364	-487	-8.3%
34.6%	5,652	5,361	-290	-5.1%
35.8%	5,431	5,333	-98	-1.8%
37.0%	5,359	5,292	-67	-1.2%
38.3%	5,338	5,275	-63	-1.2%
39.5%	5,297	5,225	-72	-1.4%
40.7%	5,138	5,120	-18	-0.3%
42.0%	5,116	4,840	-275	-5.4%
43.2%	4,794	4,579	-215	-4.5%
44.4%	4,707	4,539	-169	-3.6%
45.7%	4,659	4,527	-132	-2.8%
46.9%	4,540	4,498	-42	-0.9%
48.1%	4,510	4,412	-98	-2.2%
49.4%	4,198	4,208	10	0.2%
50.6%	4,180	4,095	-85	-2.0%
51.9%	4,142	3,787	-355	-8.6%
53.1%	3,982	3,776	-206	-5.2%
54.3%	3,874	3,627	-247	-6.4%
55.6%	3,806	3,617	-189	-5.0%
56.8%	3,790	3,540	-250	-6.6%
58.0%	3,786	3,433	-354	-9.3%
59.3%	3,777	3,422	-355	-9.4%
60.5%	3,756	3,347	-409	-10.9%
61.7%	3,660	3,274	-385	-10.5%
63.0%	3,618	3,144	-474	-13.1%
64.2%	3,512	3,138	-373	-10.6%
65.4%	3,504	3,131	-372	-10.6%
66.7%	3,470	3,117	-354	-10.2%
67.9%	3,444	3,096	-348	-10.1%
69.1%	3,430	3,091	-339	-9.9%
70.4%	3,389	3,048	-342	-10.1%
71.6%	3,384	3,040	-344	-10.2%
72.8%	3,349	2,968	-381	-11.4%
74.1%	3,301	2,948	-353	-10.7%
75.3%	3,239	2,796	-444	-13.7%
76.5%	3,115	2,710	-405	-13.0%
77.8%	2,906	2,620	-286	-9.8%
79.0%	2,905	2,610	-295	-10.2%
80.2%	2,735	2,604	-131	-4.8%
81.5%	2,732	2,568	-164	-6.0%
82.7%	2,605	2,558	-47	-1.8%
84.0%	2,524	2,558	34	1.3%
85.2%	2,472	2,499	27	1.1%
86.4%	2,472	2,493	21	0.9%
87.7%	2,434	2,462	28	1.1%
88.9%	2,351	2,452	101	4.3%
90.1%	2,347	2,437	89	3.8%
91.4%	2,325	2,271	-54	-2.3%
92.6%	2,289	2,267	-22	-1.0%
93.8%	2,235	2,249	14	0.6%
95.1%	2,222	2,200	-21	-1.0%
96.3%	2,013	2,093	80	4.0%
97.5%	1,970	2,065	95	4.8%
98.8%	1,881	1,975	94	5.0%
100.0%	1,852	1,881	29	1.6%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,424	10,425	0	0.0%
1.2%	9,817	9,817	0	0.0%
2.5%	9,426	9,425	0	0.0%
3.7%	8,410	8,410	0	0.0%
4.9%	8,296	8,297	0	0.0%
6.2%	8,076	8,076	0	0.0%
7.4%	8,061	7,946	-115	-1.4%
8.6%	7,947	7,837	-110	-1.4%
9.9%	7,529	7,472	-57	-0.8%
11.1%	7,472	7,329	-143	-1.9%
12.3%	6,876	6,874	-1	0.0%
13.6%	6,503	6,501	-2	0.0%
14.8%	6,437	6,407	-29	-0.5%
16.0%	6,407	6,111	-296	-4.6%
17.3%	6,200	6,052	-148	-2.4%
18.5%	6,109	5,989	-120	-2.0%
19.8%	5,991	5,812	-179	-3.0%
21.0%	5,838	5,494	-344	-5.9%
22.2%	5,438	5,438	0	0.0%
23.5%	5,360	5,236	-124	-2.3%
24.7%	5,222	5,182	-40	-0.8%
25.9%	4,177	4,188	11	0.3%
27.2%	4,093	4,173	80	2.0%
28.4%	4,066	4,089	23	0.6%
29.6%	4,010	3,892	-118	-2.9%
30.9%	3,987	3,825	-162	-4.1%
32.1%	3,877	3,819	-59	-1.5%
33.3%	3,825	3,763	-62	-1.6%
34.6%	3,818	3,674	-144	-3.8%
35.8%	3,684	3,611	-74	-2.0%
37.0%	3,628	3,571	-57	-1.6%
38.3%	3,618	3,508	-110	-3.0%
39.5%	3,611	3,470	-141	-3.9%
40.7%	3,595	3,387	-208	-5.8%
42.0%	3,498	3,359	-139	-4.0%
43.2%	3,304	3,273	-31	-0.9%
44.4%	3,238	3,250	11	0.4%
45.7%	3,237	3,242	5	0.2%
46.9%	3,225	3,226	1	0.0%
48.1%	3,057	3,066	9	0.3%
49.4%	3,039	3,011	-27	-0.9%
50.6%	2,976	2,977	0	0.0%
51.9%	2,927	2,927	0	0.0%
53.1%	2,802	2,813	11	0.4%
54.3%	2,703	2,773	69	2.6%
55.6%	2,672	2,703	31	1.2%
56.8%	2,657	2,686	29	1.1%
58.0%	2,578	2,673	95	3.7%
59.3%	2,557	2,655	97	3.8%
60.5%	2,551	2,552	0	0.0%
61.7%	2,548	2,545	-3	-0.1%
63.0%	2,513	2,519	7	0.3%
64.2%	2,462	2,518	55	2.2%
65.4%	2,453	2,463	10	0.4%
66.7%	2,452	2,437	-15	-0.6%
67.9%	2,440	2,432	-9	-0.4%
69.1%	2,425	2,425	0	0.0%
70.4%	2,375	2,394	19	0.8%
71.6%	2,375	2,369	-6	-0.2%
72.8%	2,360	2,354	-6	-0.3%
74.1%	2,354	2,345	-9	-0.4%
75.3%	2,340	2,342	2	0.1%
76.5%	2,337	2,338	1	0.1%
77.8%	2,317	2,338	21	0.9%
79.0%	2,315	2,316	1	0.0%
80.2%	2,304	2,305	1	0.0%
81.5%	2,271	2,264	-7	-0.3%
82.7%	2,198	2,245	47	2.1%
84.0%	2,189	2,204	15	0.7%
85.2%	2,159	2,182	24	1.1%
86.4%	2,152	2,174	22	1.0%
87.7%	2,123	2,173	50	2.3%
88.9%	2,108	2,158	50	2.4%
90.1%	2,107	2,131	23	1.1%
91.4%	2,100	2,117	18	0.8%
92.6%	2,091	2,107	17	0.8%
93.8%	2,090	2,100	10	0.5%
95.1%	2,078	2,078	0	0.0%
96.3%	1,982	1,965	-17	-0.8%
97.5%	1,972	1,936	-37	-1.9%
98.8%	1,927	1,927	0	0.0%
100.0%	1,810	1,777	-34	-1.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,619	8,609	-11	-0.1%
1.2%	8,580	8,577	-3	0.0%
2.5%	8,010	8,011	1	0.0%
3.7%	7,826	7,816	-11	-0.1%
4.9%	7,312	7,263	-50	-0.7%
6.2%	6,769	6,790	20	0.3%
7.4%	6,559	6,559	1	0.0%
8.6%	6,511	6,499	-12	-0.2%
9.9%	6,376	6,376	0	0.0%
11.1%	6,271	6,264	-6	-0.1%
12.3%	6,010	6,037	27	0.5%
13.6%	5,942	5,988	46	0.8%
14.8%	5,911	5,930	19	0.3%
16.0%	5,050	5,193	143	2.8%
17.3%	4,985	5,051	66	1.3%
18.5%	4,584	4,584	0	0.0%
19.8%	4,543	4,437	-106	-2.3%
21.0%	4,482	4,363	-119	-2.7%
22.2%	4,293	4,192	-102	-2.4%
23.5%	4,227	4,019	-209	-4.9%
24.7%	4,021	3,837	-183	-4.6%
25.9%	3,877	3,813	-64	-1.6%
27.2%	3,536	3,526	-10	-0.3%
28.4%	3,310	3,304	-6	-0.2%
29.6%	3,255	3,246	-9	-0.3%
30.9%	3,235	3,182	-54	-1.7%
32.1%	3,186	3,134	-52	-1.6%
33.3%	3,134	3,126	-8	-0.2%
34.6%	3,012	3,032	20	0.6%
35.8%	2,998	3,013	14	0.5%
37.0%	2,921	2,909	-11	-0.4%
38.3%	2,837	2,885	48	1.7%
39.5%	2,823	2,821	-2	-0.1%
40.7%	2,790	2,790	0	0.0%
42.0%	2,736	2,736	0	0.0%
43.2%	2,714	2,713	-1	0.0%
44.4%	2,670	2,698	28	1.0%
45.7%	2,639	2,671	32	1.2%
46.9%	2,631	2,649	17	0.7%
48.1%	2,630	2,640	10	0.4%
49.4%	2,629	2,630	0	0.0%
50.6%	2,616	2,615	-1	0.0%
51.9%	2,483	2,498	15	0.6%
53.1%	2,447	2,485	38	1.6%
54.3%	2,432	2,484	52	2.1%
55.6%	2,431	2,449	18	0.7%
56.8%	2,423	2,446	23	0.9%
58.0%	2,416	2,427	11	0.4%
59.3%	2,389	2,416	27	1.1%
60.5%	2,385	2,399	14	0.6%
61.7%	2,301	2,390	89	3.9%
63.0%	2,297	2,367	70	3.1%
64.2%	2,289	2,322	33	1.5%
65.4%	2,272	2,288	16	0.7%
66.7%	2,262	2,261	-1	0.0%
67.9%	2,241	2,259	19	0.8%
69.1%	2,240	2,258	19	0.8%
70.4%	2,237	2,256	19	0.8%
71.6%	2,235	2,241	6	0.3%
72.8%	2,231	2,239	7	0.3%
74.1%	2,231	2,232	1	0.0%
75.3%	2,192	2,225	33	1.5%
76.5%	2,165	2,192	27	1.3%
77.8%	2,161	2,164	3	0.2%
79.0%	2,147	2,135	-12	-0.6%
80.2%	2,122	2,134	12	0.6%
81.5%	2,087	2,123	36	1.7%
82.7%	2,084	2,099	15	0.7%
84.0%	2,047	2,095	48	2.3%
85.2%	2,037	2,087	50	2.5%
86.4%	2,036	2,024	-11	-0.6%
87.7%	2,012	2,012	0	0.0%
88.9%	2,006	1,962	-44	-2.2%
90.1%	1,979	1,959	-20	-1.0%
91.4%	1,913	1,934	21	1.1%
92.6%	1,875	1,912	36	1.9%
93.8%	1,836	1,887	51	2.8%
95.1%	1,758	1,740	-18	-1.0%
96.3%	1,741	1,717	-24	-1.4%
97.5%	1,715	1,701	-14	-0.8%
98.8%	1,705	1,668	-37	-2.2%
100.0%	1,555	1,555	1	0.0%

Table SW-34-3b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,947	8,936	-11	-0.1%
1.2%	8,569	8,487	-82	-1.0%
2.5%	8,539	8,455	-84	-1.0%
3.7%	8,352	8,034	-318	-3.8%
4.9%	7,907	7,859	-48	-0.6%
6.2%	7,601	7,774	173	2.3%
7.4%	7,566	7,646	80	1.1%
8.6%	7,490	7,603	113	1.5%
9.9%	7,473	7,575	102	1.4%
11.1%	7,402	7,244	-158	-2.1%
12.3%	7,110	6,831	-279	-3.9%
13.6%	6,827	6,602	-225	-3.3%
14.8%	6,402	6,304	-98	-1.5%
16.0%	6,290	6,285	-6	-0.1%
17.3%	6,153	6,281	129	2.1%
18.5%	6,150	6,281	130	2.1%
19.8%	6,079	6,182	102	1.7%
21.0%	6,059	6,162	103	1.7%
22.2%	5,948	6,082	134	2.2%
23.5%	5,940	6,074	134	2.3%
24.7%	5,869	5,991	122	2.1%
25.9%	5,864	5,981	118	2.0%
27.2%	5,861	5,976	115	2.0%
28.4%	5,849	5,975	126	2.2%
29.6%	5,820	5,947	127	2.2%
30.9%	5,813	5,942	129	2.2%
32.1%	5,809	5,926	117	2.0%
33.3%	5,807	5,905	98	1.7%
34.6%	5,805	5,862	56	1.0%
35.8%	5,671	5,805	134	2.4%
37.0%	5,596	5,793	197	3.5%
38.3%	5,591	5,679	88	1.6%
39.5%	5,584	5,667	83	1.5%
40.7%	5,570	5,665	96	1.7%
42.0%	5,552	5,660	108	1.9%
43.2%	5,538	5,647	109	2.0%
44.4%	5,531	5,628	97	1.7%
45.7%	5,490	5,606	117	2.1%
46.9%	5,479	5,600	121	2.2%
48.1%	5,471	5,585	114	2.1%
49.4%	5,447	5,568	121	2.2%
50.6%	5,379	5,545	166	3.1%
51.9%	5,377	5,541	164	3.1%
53.1%	5,371	5,513	142	2.6%
54.3%	5,367	5,503	136	2.5%
55.6%	5,365	5,497	132	2.5%
56.8%	5,345	5,447	102	1.9%
58.0%	5,310	5,441	130	2.5%
59.3%	5,306	5,434	127	2.4%
60.5%	5,297	5,426	130	2.4%
61.7%	5,296	5,393	96	1.8%
63.0%	5,293	5,372	78	1.5%
64.2%	5,270	5,334	63	1.2%
65.4%	5,251	5,322	71	1.3%
66.7%	5,242	5,321	79	1.5%
67.9%	5,199	5,297	98	1.9%
69.1%	5,197	5,290	93	1.8%
70.4%	5,185	5,261	76	1.5%
71.6%	5,173	5,246	73	1.4%
72.8%	5,130	5,241	111	2.2%
74.1%	5,119	5,237	119	2.3%
75.3%	5,102	5,218	115	2.3%
76.5%	5,092	5,202	109	2.1%
77.8%	4,987	5,171	185	3.7%
79.0%	4,985	5,063	77	1.6%
80.2%	4,979	5,001	22	0.4%
81.5%	4,918	5,000	82	1.7%
82.7%	4,899	4,967	68	1.4%
84.0%	4,864	4,965	101	2.1%
85.2%	4,849	4,941	92	1.9%
86.4%	4,831	4,859	28	0.6%
87.7%	4,775	4,852	77	1.6%
88.9%	4,739	4,851	112	2.4%
90.1%	4,720	4,550	-171	-3.6%
91.4%	4,505	4,484	-21	-0.5%
92.6%	4,419	4,447	28	0.6%
93.8%	4,413	4,419	6	0.1%
95.1%	4,390	4,395	4	0.1%
96.3%	4,276	4,287	11	0.3%
97.5%	4,227	4,245	19	0.4%
98.8%	4,196	4,184	-12	-0.3%
100.0%	4,182	4,183	1	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,344	9,388	45	0.5%
1.2%	9,339	9,274	-65	-0.7%
2.5%	9,307	9,264	-43	-0.5%
3.7%	9,288	9,251	-37	-0.4%
4.9%	9,214	9,224	10	0.1%
6.2%	9,212	9,212	0	0.0%
7.4%	9,200	9,155	-45	-0.5%
8.6%	9,057	9,120	63	0.7%
9.9%	9,054	9,114	60	0.7%
11.1%	9,033	9,090	57	0.6%
12.3%	9,032	8,835	-197	-2.2%
13.6%	9,003	8,802	-201	-2.2%
14.8%	9,002	8,768	-234	-2.6%
16.0%	8,993	8,762	-231	-2.6%
17.3%	8,931	8,707	-224	-2.5%
18.5%	8,925	8,651	-274	-3.1%
19.8%	8,822	8,620	-202	-2.3%
21.0%	8,730	8,594	-136	-1.6%
22.2%	8,703	8,541	-162	-1.9%
23.5%	8,650	8,508	-142	-1.6%
24.7%	8,641	8,493	-148	-1.7%
25.9%	8,600	8,466	-135	-1.6%
27.2%	8,577	8,456	-121	-1.4%
28.4%	8,541	8,369	-172	-2.0%
29.6%	8,440	8,351	-90	-1.1%
30.9%	8,380	8,335	-45	-0.5%
32.1%	8,363	8,312	-51	-0.6%
33.3%	8,267	8,307	40	0.5%
34.6%	8,244	8,286	42	0.5%
35.8%	8,140	8,285	144	1.8%
37.0%	8,132	8,276	144	1.8%
38.3%	8,131	8,267	136	1.7%
39.5%	8,115	8,260	146	1.8%
40.7%	7,985	8,229	245	3.1%
42.0%	7,957	8,215	258	3.2%
43.2%	7,947	8,206	259	3.3%
44.4%	7,942	8,192	250	3.2%
45.7%	7,928	8,162	234	2.9%
46.9%	7,912	8,142	229	2.9%
48.1%	7,896	8,099	203	2.6%
49.4%	7,896	8,072	176	2.2%
50.6%	7,882	8,035	152	1.9%
51.9%	7,877	7,946	69	0.9%
53.1%	7,863	7,920	57	0.7%
54.3%	7,851	7,889	38	0.5%
55.6%	7,845	7,774	-71	-0.9%
56.8%	7,841	7,752	-89	-1.1%
58.0%	7,828	7,641	-187	-2.4%
59.3%	7,791	7,580	-211	-2.7%
60.5%	7,753	7,561	-192	-2.5%
61.7%	7,741	7,543	-197	-2.5%
63.0%	7,605	7,447	-158	-2.1%
64.2%	7,574	7,363	-210	-2.8%
65.4%	7,519	7,324	-195	-2.6%
66.7%	7,516	7,162	-354	-4.7%
67.9%	7,481	7,090	-392	-5.2%
69.1%	7,462	6,953	-509	-6.8%
70.4%	7,435	6,938	-497	-6.7%
71.6%	7,267	6,930	-337	-4.6%
72.8%	7,204	6,844	-360	-5.0%
74.1%	7,141	6,809	-332	-4.6%
75.3%	7,125	6,727	-398	-5.6%
76.5%	7,121	6,605	-516	-7.2%
77.8%	7,090	6,574	-516	-7.3%
79.0%	7,086	6,529	-557	-7.9%
80.2%	6,924	6,250	-674	-9.7%
81.5%	6,805	6,129	-675	-9.9%
82.7%	6,724	6,119	-606	-9.0%
84.0%	6,686	5,999	-687	-10.3%
85.2%	6,582	5,746	-836	-12.7%
86.4%	6,450	4,900	-1,549	-24.0%
87.7%	6,441	4,852	-1,590	-24.7%
88.9%	6,312	4,318	-1,995	-31.6%
90.1%	6,238	4,302	-1,936	-31.0%
91.4%	6,129	4,300	-1,829	-29.8%
92.6%	6,125	4,293	-1,832	-29.9%
93.8%	6,069	4,282	-1,787	-29.4%
95.1%	5,815	4,273	-1,541	-26.5%
96.3%	5,797	4,259	-1,537	-26.5%
97.5%	5,319	4,206	-1,112	-20.9%
98.8%	4,683	4,199	-484	-10.3%
100.0%	4,471	4,190	-281	-6.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,840	8,618	778	9.9%
1.2%	7,822	8,079	257	3.3%
2.5%	7,780	8,038	258	3.3%
3.7%	7,627	7,734	107	1.4%
4.9%	7,450	7,709	259	3.5%
6.2%	7,430	7,677	247	3.3%
7.4%	7,387	7,675	288	3.9%
8.6%	7,371	7,671	300	4.1%
9.9%	7,340	7,665	325	4.4%
11.1%	7,304	7,645	341	4.7%
12.3%	7,254	7,532	278	3.8%
13.6%	7,251	7,485	234	3.2%
14.8%	7,192	7,427	235	3.3%
16.0%	7,173	7,421	249	3.5%
17.3%	7,117	7,376	259	3.6%
18.5%	7,105	7,371	266	3.7%
19.8%	7,090	7,349	259	3.7%
21.0%	7,088	7,348	261	3.7%
22.2%	7,063	7,335	271	3.8%
23.5%	7,060	7,325	265	3.7%
24.7%	7,059	7,323	264	3.7%
25.9%	7,058	7,299	241	3.4%
27.2%	7,046	7,295	249	3.5%
28.4%	7,038	7,267	229	3.3%
29.6%	7,032	7,255	223	3.2%
30.9%	7,025	7,250	225	3.2%
32.1%	7,001	7,202	201	2.9%
33.3%	6,989	7,114	125	1.8%
34.6%	6,987	7,105	118	1.7%
35.8%	6,975	7,080	105	1.5%
37.0%	6,960	7,051	91	1.3%
38.3%	6,954	7,050	96	1.4%
39.5%	6,932	7,048	116	1.7%
40.7%	6,921	7,033	112	1.6%
42.0%	6,912	7,002	90	1.3%
43.2%	6,855	7,000	145	2.1%
44.4%	6,840	6,976	137	2.0%
45.7%	6,824	6,961	138	2.0%
46.9%	6,811	6,889	78	1.1%
48.1%	6,742	6,854	111	1.6%
49.4%	6,727	6,850	122	1.8%
50.6%	6,722	6,815	93	1.4%
51.9%	6,713	6,810	98	1.5%
53.1%	6,707	6,793	86	1.3%
54.3%	6,706	6,770	64	1.0%
55.6%	6,659	6,751	92	1.4%
56.8%	6,646	6,729	83	1.2%
58.0%	6,640	6,721	81	1.2%
59.3%	6,586	6,679	93	1.4%
60.5%	6,583	6,660	77	1.2%
61.7%	6,575	6,645	70	1.1%
63.0%	6,571	6,636	64	1.0%
64.2%	6,525	6,584	59	0.9%
65.4%	6,510	6,583	73	1.1%
66.7%	6,506	6,566	60	0.9%
67.9%	6,481	6,525	44	0.7%
69.1%	6,428	6,514	86	1.3%
70.4%	6,417	6,508	92	1.4%
71.6%	6,410	6,428	19	0.3%
72.8%	6,399	6,421	22	0.3%
74.1%	6,395	6,393	-2	0.0%
75.3%	6,273	6,275	2	0.0%
76.5%	6,260	6,215	-45	-0.7%
77.8%	6,216	6,164	-52	-0.8%
79.0%	6,032	6,127	95	1.6%
80.2%	5,931	6,106	175	3.0%
81.5%	5,900	6,080	180	3.0%
82.7%	5,801	5,985	184	3.2%
84.0%	5,769	5,939	169	2.9%
85.2%	5,659	5,911	252	4.4%
86.4%	5,180	5,869	689	13.3%
87.7%	5,058	5,806	748	14.8%
88.9%	4,832	5,730	897	18.6%
90.1%	4,765	5,722	957	20.1%
91.4%	4,666	5,703	1,038	22.2%
92.6%	4,628	5,606	977	21.1%
93.8%	4,529	5,463	934	20.6%
95.1%	4,299	5,049	750	17.4%
96.3%	4,255	4,985	729	17.1%
97.5%	4,208	4,681	473	11.3%
98.8%	4,156	4,337	182	4.4%
100.0%	4,148	4,323	176	4.2%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,142	9,076	-66	-0.7%
1.2%	9,123	8,992	-131	-1.4%
2.5%	9,017	8,789	-228	-2.5%
3.7%	8,941	8,760	-181	-2.0%
4.9%	8,747	8,651	-97	-1.1%
6.2%	8,625	8,628	3	0.0%
7.4%	8,574	8,585	10	0.1%
8.6%	8,545	8,579	35	0.4%
9.9%	8,333	8,390	56	0.7%
11.1%	8,219	8,333	114	1.4%
12.3%	8,172	8,295	123	1.5%
13.6%	8,125	8,100	-25	-0.3%
14.8%	7,964	8,035	71	0.9%
16.0%	7,919	7,998	79	1.0%
17.3%	7,815	7,853	38	0.5%
18.5%	7,007	7,678	671	9.6%
19.8%	6,926	6,851	-75	-1.1%
21.0%	6,298	6,771	473	7.5%
22.2%	6,112	6,423	311	5.1%
23.5%	6,083	6,346	263	4.3%
24.7%	6,027	6,306	279	4.6%
25.9%	5,978	6,273	295	4.9%
27.2%	5,881	6,205	323	5.5%
28.4%	5,786	6,191	404	7.0%
29.6%	5,750	6,115	365	6.4%
30.9%	5,749	6,112	363	6.3%
32.1%	5,742	6,074	331	5.8%
33.3%	5,731	6,072	342	6.0%
34.6%	5,721	6,052	331	5.8%
35.8%	5,705	6,036	331	5.8%
37.0%	5,626	6,022	395	7.0%
38.3%	5,614	5,920	305	5.4%
39.5%	5,585	5,909	324	5.8%
40.7%	5,544	5,806	262	4.7%
42.0%	5,544	5,802	258	4.7%
43.2%	5,497	5,763	266	4.8%
44.4%	5,450	5,753	303	5.6%
45.7%	5,442	5,735	293	5.4%
46.9%	5,408	5,679	271	5.0%
48.1%	5,364	5,636	272	5.1%
49.4%	5,333	5,609	275	5.2%
50.6%	5,314	5,599	286	5.4%
51.9%	5,246	5,585	339	6.5%
53.1%	5,215	5,563	348	6.7%
54.3%	5,210	5,561	351	6.7%
55.6%	5,100	5,528	428	8.4%
56.8%	5,100	5,450	350	6.9%
58.0%	4,988	5,386	398	8.0%
59.3%	4,922	5,332	410	8.3%
60.5%	4,864	5,330	467	9.6%
61.7%	4,850	5,176	326	6.7%
63.0%	4,821	4,988	167	3.5%
64.2%	4,808	4,944	136	2.8%
65.4%	4,780	4,921	141	2.9%
66.7%	4,776	4,890	114	2.4%
67.9%	4,761	4,855	95	2.0%
69.1%	4,735	4,847	112	2.4%
70.4%	4,730	4,830	100	2.1%
71.6%	4,726	4,809	83	1.8%
72.8%	4,710	4,800	90	1.9%
74.1%	4,705	4,796	90	1.9%
75.3%	4,680	4,785	105	2.2%
76.5%	4,656	4,745	89	1.9%
77.8%	4,575	4,744	169	3.7%
79.0%	4,543	4,737	195	4.3%
80.2%	4,517	4,718	202	4.5%
81.5%	4,413	4,715	302	6.8%
82.7%	4,376	4,704	328	7.5%
84.0%	4,346	4,685	338	7.8%
85.2%	4,339	4,665	326	7.5%
86.4%	4,309	4,648	339	7.9%
87.7%	4,306	4,638	331	7.7%
88.9%	4,303	4,627	324	7.5%
90.1%	4,301	4,588	287	6.7%
91.4%	4,298	4,543	245	5.7%
92.6%	4,298	4,445	148	3.4%
93.8%	4,284	4,368	84	2.0%
95.1%	4,283	4,342	60	1.4%
96.3%	4,249	4,305	56	1.3%
97.5%	4,242	4,284	42	1.0%
98.8%	4,228	4,202	-27	-0.6%
100.0%	4,200	4,176	-24	-0.6%

Table SW-35-3a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	-6,024	-6,006	-6,736	-3,456	-3,185	-2,843	752	265	-3,714	-9,532	-9,171	-7,712
Alternative A	-6,589	-6,742	-6,723	-3,648	-3,248	-2,805	741	253	-3,721	-9,618	-9,569	-8,456
Difference	-566	-736	12	-192	-63	38	-11	-11	-7	-86	-399	-744
Percent Difference[3]	-9.4%	-12.3%	0.2%	-5.6%	-2.0%	1.4%	-1.5%	-4.3%	-0.2%	-0.9%	-4.3%	-9.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	-6,186	-5,518	-7,037	-2,094	-2,518	-1,900	2,264	1,385	-4,208	-8,917	-10,406	-8,540
Alternative A	-7,511	-6,104	-7,301	-2,127	-2,384	-1,920	2,258	1,372	-4,227	-8,875	-10,325	-9,470
Difference	-1,325	-587	-264	-33	134	-20	-6	-12	-19	42	81	-930
Percent Difference	-21.4%	-10.6%	-3.8%	-1.6%	5.3%	-1.1%	-0.3%	-0.9%	-0.5%	0.5%	0.8%	-10.9%
Above Normal (15%)												
No Action Alternative	-6,596	-6,082	-7,821	-3,723	-2,947	-4,269	910	415	-4,707	-9,954	-10,873	-8,531
Alternative A	-7,146	-7,264	-7,680	-3,615	-3,149	-4,279	908	412	-4,711	-10,198	-10,716	-9,260
Difference	-550	-1,182	141	109	-202	-10	-3	-3	-4	-245	157	-729
Percent Difference	-8.3%	-19.4%	1.8%	2.9%	-6.8%	-0.2%	-0.3%	-0.8%	-0.1%	-2.5%	1.4%	-8.5%
Below Normal (17%)												
No Action Alternative	-7,108	-8,187	-6,606	-4,240	-3,389	-3,923	637	248	-3,812	-10,867	-10,124	-8,484
Alternative A	-7,672	-8,636	-6,805	-4,240	-3,565	-3,981	635	247	-3,891	-10,872	-10,104	-9,012
Difference	-564	-449	-199	0	-176	-58	-2	-1	-78	-5	21	-528
Percent Difference	-7.9%	-5.5%	-3.0%	0.0%	-5.2%	-1.5%	-0.3%	-0.5%	-2.1%	0.0%	0.2%	-6.2%
Dry (22%)												
No Action Alternative	-5,777	-6,519	-6,117	-4,527	-4,112	-2,884	-329	-671	-3,228	-10,750	-9,053	-7,376
Alternative A	-5,778	-7,318	-6,285	-4,803	-4,079	-2,764	-337	-627	-3,194	-10,874	-9,913	-7,959
Difference	-1	-799	-167	-277	33	120	-8	44	34	-124	-860	-583
Percent Difference	0.0%	-12.3%	-2.7%	-6.1%	0.8%	4.2%	-2.5%	6.6%	1.1%	-1.2%	-9.5%	-7.9%
Critical (15%)												
No Action Alternative	-4,206	-3,674	-6,076	-3,620	-3,241	-2,140	-925	-890	-2,266	-7,060	-3,856	-4,702
Alternative A	-3,989	-4,526	-5,078	-4,553	-3,602	-1,937	-970	-1,002	-2,225	-7,300	-5,646	-5,551
Difference	217	-852	998	-933	-361	203	-46	-112	41	-240	-1,790	-850
Percent Difference	5.2%	-23.2%	16.4%	-25.8%	-11.1%	9.5%	-4.9%	-12.5%	1.8%	-3.4%	-46.4%	-18.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-35-3b
Old and Middle River, Monthly Flow
Probability of Exceedance

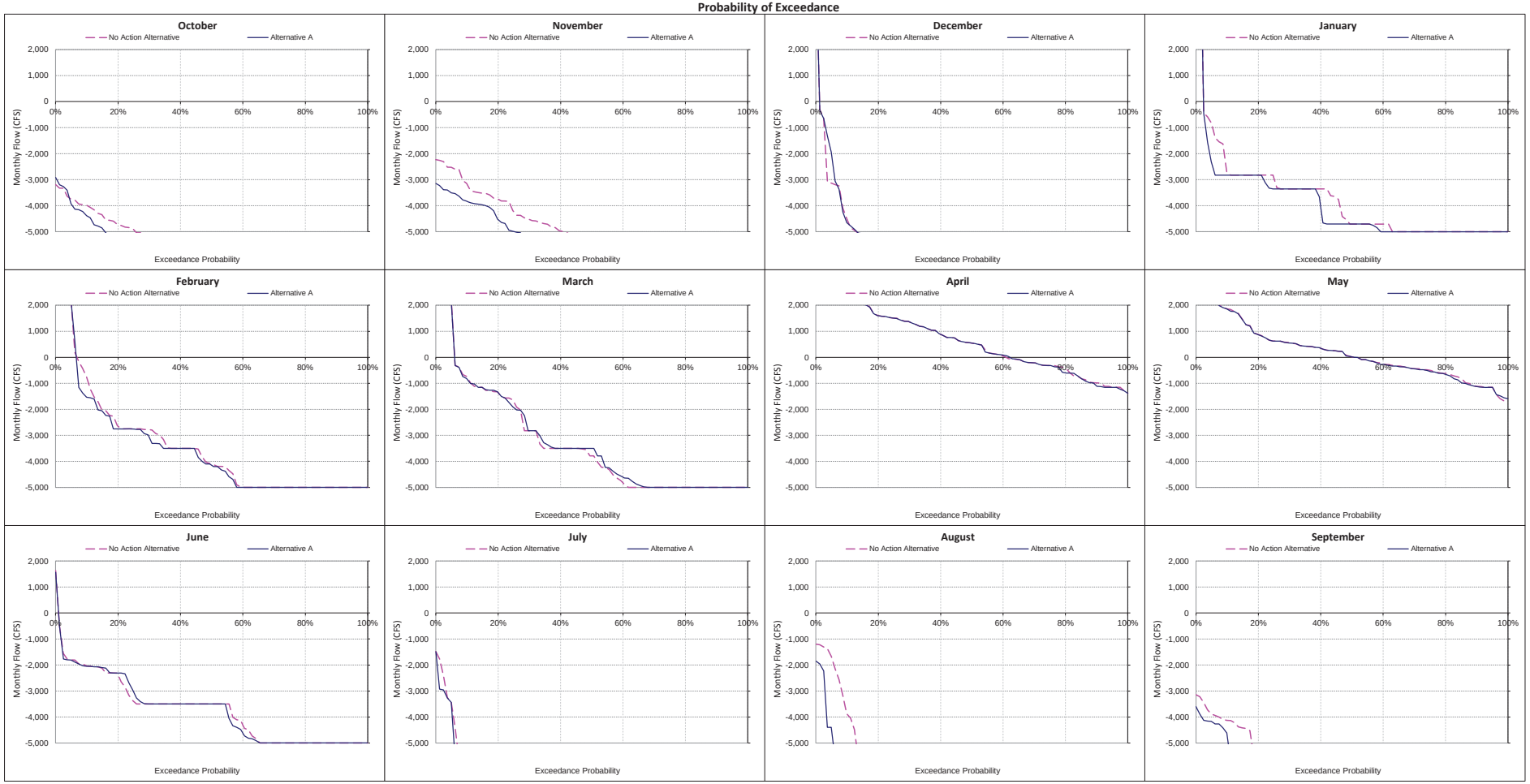


Table SW-35-3b
Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,190	-2,916	273	
1.2%	-3,326	-3,194	132	
2.5%	-3,330	-3,270	60	
3.7%	-3,641	-3,409	232	
4.9%	-3,750	-3,925	-175	
6.2%	-3,785	-4,141	-355	
7.4%	-3,936	-4,152	-216	
8.6%	-3,959	-4,229	-270	
9.9%	-3,981	-4,390	-409	
11.1%	-4,068	-4,464	-397	
12.3%	-4,163	-4,737	-574	
13.6%	-4,295	-4,789	-493	
14.8%	-4,345	-4,852	-507	
16.0%	-4,553	-5,042	-489	
17.3%	-4,561	-5,153	-591	
18.5%	-4,596	-5,154	-558	
19.8%	-4,721	-5,229	-508	
21.0%	-4,763	-5,247	-484	
22.2%	-4,824	-5,284	-459	
23.5%	-4,842	-5,340	-498	
24.7%	-4,883	-5,406	-523	
25.9%	-5,043	-5,488	-445	
27.2%	-5,046	-5,535	-489	
28.4%	-5,065	-5,661	-596	
29.6%	-5,136	-5,663	-527	
30.9%	-5,176	-5,678	-502	
32.1%	-5,180	-5,684	-504	
33.3%	-5,217	-5,688	-472	
34.6%	-5,302	-5,692	-390	
35.8%	-5,364	-5,730	-366	
37.0%	-5,374	-5,741	-367	
38.3%	-5,458	-5,750	-292	
39.5%	-5,519	-5,759	-240	
40.7%	-5,520	-5,817	-298	
42.0%	-5,535	-5,836	-301	
43.2%	-5,555	-5,900	-345	
44.4%	-5,606	-5,917	-310	
45.7%	-5,615	-6,088	-473	
46.9%	-5,661	-6,198	-537	
48.1%	-5,663	-6,208	-545	
49.4%	-5,679	-6,358	-679	
50.6%	-5,737	-6,499	-762	
51.9%	-5,762	-6,731	-969	
53.1%	-5,772	-6,811	-1,039	
54.3%	-5,791	-6,834	-1,043	
55.6%	-5,819	-6,841	-1,022	
56.8%	-5,819	-6,871	-1,051	
58.0%	-5,842	-6,886	-1,043	
59.3%	-5,880	-6,961	-1,082	
60.5%	-6,172	-7,065	-893	
61.7%	-6,189	-7,096	-907	
63.0%	-6,266	-7,477	-1,212	
64.2%	-6,323	-7,488	-1,165	
65.4%	-6,416	-7,524	-1,108	
66.7%	-6,422	-7,545	-1,123	
67.9%	-6,490	-7,612	-1,122	
69.1%	-6,631	-7,714	-1,083	
70.4%	-6,704	-7,760	-1,057	
71.6%	-6,775	-7,834	-1,059	
72.8%	-6,790	-7,838	-1,049	
74.1%	-6,831	-7,845	-1,014	
75.3%	-6,878	-7,953	-1,076	
76.5%	-6,956	-8,026	-1,070	
77.8%	-7,052	-8,041	-989	
79.0%	-7,201	-8,052	-851	
80.2%	-7,456	-8,093	-637	
81.5%	-7,651	-8,130	-480	
82.7%	-7,775	-8,316	-541	
84.0%	-7,834	-8,470	-636	
85.2%	-7,952	-8,498	-546	
86.4%	-8,074	-8,500	-426	
87.7%	-8,092	-8,550	-458	
88.9%	-8,107	-8,837	-730	
90.1%	-8,162	-8,989	-826	
91.4%	-8,531	-9,030	-499	
92.6%	-8,684	-9,051	-367	
93.8%	-8,989	-9,061	-73	
95.1%	-9,008	-9,142	-134	
96.3%	-9,645	-9,198	447	
97.5%	-9,686	-9,686	0	
98.8%	-10,127	-10,319	-193	
100.0%	-10,427	-10,427	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,230	-3,148	-918	
1.2%	-2,257	-3,231	-974	
2.5%	-2,309	-3,389	-1,079	
3.7%	-2,522	-3,393	-871	
4.9%	-2,526	-3,509	-983	
6.2%	-2,598	-3,538	-940	
7.4%	-2,600	-3,641	-1,040	
8.6%	-3,032	-3,777	-745	
9.9%	-3,144	-3,822	-678	
11.1%	-3,420	-3,883	-463	
12.3%	-3,465	-3,930	-465	
13.6%	-3,495	-3,933	-438	
14.8%	-3,519	-3,962	-443	
16.0%	-3,530	-4,008	-478	
17.3%	-3,589	-4,062	-473	
18.5%	-3,710	-4,194	-484	
19.8%	-3,732	-4,514	-781	
21.0%	-3,817	-4,641	-824	
22.2%	-3,822	-4,686	-864	
23.5%	-3,839	-4,948	-1,109	
24.7%	-4,189	-4,987	-797	
25.9%	-4,369	-5,022	-652	
27.2%	-4,373	-5,046	-673	
28.4%	-4,468	-5,281	-813	
29.6%	-4,515	-5,435	-920	
30.9%	-4,576	-5,465	-889	
32.1%	-4,589	-5,740	-1,151	
33.3%	-4,647	-5,829	-1,182	
34.6%	-4,686	-5,956	-1,270	
35.8%	-4,716	-5,980	-1,264	
37.0%	-4,826	-5,981	-1,155	
38.3%	-4,843	-6,035	-1,193	
39.5%	-4,962	-6,085	-1,122	
40.7%	-4,996	-6,151	-1,155	
42.0%	-5,042	-6,230	-1,188	
43.2%	-5,116	-6,241	-1,125	
44.4%	-5,127	-6,357	-1,230	
45.7%	-5,182	-6,433	-1,251	
46.9%	-5,266	-6,443	-1,176	
48.1%	-5,437	-6,581	-1,144	
49.4%	-5,593	-6,621	-1,028	
50.6%	-5,747	-6,637	-890	
51.9%	-5,750	-6,642	-892	
53.1%	-5,848	-6,671	-822	
54.3%	-5,850	-6,673	-823	
55.6%	-5,967	-6,795	-828	
56.8%	-5,993	-6,865	-871	
58.0%	-6,102	-6,928	-826	
59.3%	-6,115	-6,954	-839	
60.5%	-6,125	-6,976	-851	
61.7%	-6,128	-7,025	-898	
63.0%	-6,346	-7,212	-867	
64.2%	-6,454	-7,268	-814	
65.4%	-6,465	-7,744	-1,279	
66.7%	-6,467	-7,783	-1,316	
67.9%	-6,787	-7,870	-1,083	
69.1%	-7,096	-7,942	-846	
70.4%	-7,276	-8,112	-836	
71.6%	-7,379	-8,278	-899	
72.8%	-7,560	-8,393	-833	
74.1%	-7,843	-8,398	-555	
75.3%	-7,946	-8,539	-593	
76.5%	-8,012	-8,545	-533	
77.8%	-8,126	-8,772	-647	
79.0%	-8,491	-8,920	-430	
80.2%	-8,676	-8,933	-258	
81.5%	-8,830	-9,130	-300	
82.7%	-9,045	-9,284	-239	
84.0%	-9,105	-9,779	-674	
85.2%	-9,180	-9,899	-719	
86.4%	-9,182	-9,909	-727	
87.7%	-9,899	-9,916	-17	
88.9%	-9,916	-10,010	-94	
90.1%	-10,058	-10,058	0	
91.4%	-10,082	-10,082	0	
92.6%	-10,196	-10,196	0	
93.8%	-10,204	-10,204	0	
95.1%	-10,230	-10,230	0	
96.3%	-10,239	-10,267	-28	
97.5%	-10,282	-10,281	1	
98.8%	-10,318	-10,282	37	
100.0%	-10,497	-10,318	179	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,594	5,524	-69	-1.2%
1.2%	-304	-338	-35	
2.5%	-621	-654	-33	
3.7%	-3,102	-1,308	1,794	
4.9%	-3,130	-1,941	1,189	
6.2%	-3,194	-3,054	140	
7.4%	-3,238	-3,368	-130	
8.6%	-4,099	-4,255	-156	
9.9%	-4,489	-4,655	-166	
11.1%	-4,849	-4,773	77	
12.3%	-4,947	-4,905	42	
13.6%	-5,061	-5,051	11	
14.8%	-5,247	-5,071	176	
16.0%	-5,464	-5,261	202	
17.3%	-5,519	-5,486	32	
18.5%	-5,871	-5,758	113	
19.8%	-5,871	-5,792	79	
21.0%	-5,871	-5,855	16	
22.2%	-5,871	-5,865	5	
23.5%	-5,871	-5,871	0	
24.7%	-5,871	-5,871	0	
25.9%	-5,871	-5,871	0	
27.2%	-5,871	-5,871	0	
28.4%	-5,871	-5,871	0	
29.6%	-5,871	-5,871	0	
30.9%	-5,871	-5,871	0	
32.1%	-5,871	-5,871	0	
33.3%	-5,871	-5,871	0	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,977	-5,871	106	
50.6%	-6,389	-5,871	518	
51.9%	-6,497	-5,871	626	
53.1%	-6,574	-5,881	693	
54.3%	-6,784	-6,015	769	
55.6%	-6,813	-6,019	794	
56.8%	-7,107	-6,198	909	
58.0%	-7,177	-6,667	510	
59.3%	-7,507	-6,785	722	
60.5%	-7,516	-7,315	200	
61.7%	-7,607	-7,991	-384	
63.0%	-7,935	-8,232	-297	
64.2%	-7,955	-8,278	-322	
65.4%	-8,075	-8,538	-463	
66.7%	-8,232	-8,552	-320	
67.9%	-8,342	-8,690	-348	
69.1%	-8,375	-8,887	-512	
70.4%	-8,513	-8,896	-382	
71.6%	-8,547	-8,970	-423	
72.8%	-8,599	-8,980	-380	
74.1%	-8,676	-9,027	-350	
75.3%	-8,789	-9,341	-551	
76.5%	-8,794	-9,368	-574	
77.8%	-8,885	-9,452	-566	
79.0%	-8,887	-9,495	-608	
80.2%	-8,931	-9,511	-580	
81.5%	-9,175	-9,551	-376	
82.7%	-9,269	-9,570	-301	
84.0%	-9,495	-9,654	-158	
85.2%	-9,500	-9,676	-176	
86.4%	-9,511	-9,683	-172	
87.7%	-9,558	-9,687	-129	
88.9%	-9,654	-9,696	-42	
90.1%	-9,687	-9,697	-11	
91.4%	-9,696	-9,710	-15	
92.6%	-9,710	-9,715	-4	
93.8%	-9,715	-9,715	0	
95.1%	-9,715	-9,737	-22	
96.3%	-9,737	-9,760	-23	
97.5%	-9,817	-9,765	52	
98.8%	-10,013	-9,817	196	
100.0%	-10,138	-10,022	117	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,020	24,999	-21	-0.1%
1.2%	8,268	8,026	-242	-2.9%
2.5%	-428	-444	-16	
3.7%	-585	-1,570	-985	
4.9%	-823	-2,312	-1,490	
6.2%	-1,398	-2,823	-1,425	
7.4%	-1,544	-2,823	-1,278	
8.6%	-1,625	-2,823	-1,198	
9.9%	-2,723	-2,823	-100	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823	0	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-2,823	0	
22.2%	-2,823	-3,118	-296	
23.5%	-2,823	-3,331	-509	
24.7%	-2,823	-3,355	-532	
25.9%	-3,308	-3,355	-47	
27.2%	-3,355	-3,355	0	
28.4%	-3,355	-3,355	0	
29.6%	-3,355	-3,355	0	
30.9%	-3,355	-3,355	0	
32.1%	-3,355	-3,355	0	
33.3%	-3,355	-3,355	0	
34.6%	-3,355	-3,355	0	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,355	0	
39.5%	-3,355	-3,656	-301	
40.7%	-3,355	-4,669	-1,314	
42.0%	-3,355	-4,710	-1,355	
43.2%	-3,617	-4,710	-1,093	
44.4%	-3,645	-4,710	-1,065	
45.7%	-3,756	-4,710	-953	
46.9%	-4,417	-4,710	-293	
48.1%	-4,533	-4,710	-176	
49.4%	-4,710	-4,710	0	
50.6%	-4,710	-4,710	0	
51.9%	-4,710	-4,710	0	
53.1%	-4,710	-4,710	0	
54.3%	-4,710	-4,710	0	
55.6%	-4,710	-4,710	0	
56.8%	-4,710	-4,752	-42	
58.0%	-4,710	-4,844	-134	
59.3%	-4,710	-5,000	-290	
60.5%	-4,710	-5,000	-290	
61.7%	-4,710	-5,000	-290	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-3b

Old and Middle River, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,732	14,342	-390	-2.6%
1.2%	6,087	10,111	4,024	66.1%
2.5%	5,800	4,604	-1,196	-20.6%
3.7%	4,633	4,461	-172	-3.7%
4.9%	2,201	2,173	-28	-1.3%
6.2%	183	599	417	228.1%
7.4%	-162	-1,159	-997	
8.6%	-423	-1,373	-949	
9.9%	-750	-1,531	-781	
11.1%	-1,229	-1,559	-330	
12.3%	-1,531	-1,601	-70	
13.6%	-1,711	-2,027	-316	
14.8%	-2,027	-2,054	-27	
16.0%	-2,054	-2,233	-179	
17.3%	-2,233	-2,268	-35	
18.5%	-2,268	-2,750	-482	
19.8%	-2,629	-2,750	-121	
21.0%	-2,750	-2,750	0	
22.2%	-2,750	-2,750	0	
23.5%	-2,750	-2,750	0	
24.7%	-2,750	-2,750	0	
25.9%	-2,750	-2,776	-26	
27.2%	-2,750	-2,776	-26	
28.4%	-2,776	-2,931	-155	
29.6%	-2,776	-2,983	-207	
30.9%	-2,794	-3,311	-516	
32.1%	-2,931	-3,314	-383	
33.3%	-2,983	-3,318	-335	
34.6%	-3,161	-3,500	-339	
35.8%	-3,482	-3,500	-18	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,527	-3,856	-329	
46.9%	-3,823	-4,005	-182	
48.1%	-4,032	-4,096	-64	
49.4%	-4,081	-4,098	-18	
50.6%	-4,129	-4,196	-67	
51.9%	-4,196	-4,196	0	
53.1%	-4,196	-4,328	-132	
54.3%	-4,207	-4,378	-171	
55.6%	-4,355	-4,585	-230	
56.8%	-4,480	-4,685	-205	
58.0%	-4,906	-4,999	-94	
59.3%	-4,979	-5,000	-21	
60.5%	-5,000	-5,000	0	
61.7%	-5,000	-5,000	0	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,361	24,341	-20	-0.1%
1.2%	8,574	8,304	-270	-3.2%
2.5%	8,324	8,286	-38	-0.5%
3.7%	5,081	5,060	-22	-0.4%
4.9%	2,271	2,153	-118	-5.2%
6.2%	-314	-314	0	
7.4%	-369	-391	-22	
8.6%	-662	-732	-70	
9.9%	-735	-816	-81	
11.1%	-984	-1,006	-22	
12.3%	-1,115	-1,026	89	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,150	0	
16.0%	-1,269	-1,248	21	
17.3%	-1,269	-1,269	0	
18.5%	-1,320	-1,269	50	
19.8%	-1,328	-1,328	0	
21.0%	-1,506	-1,506	0	
22.2%	-1,564	-1,566	-2	
23.5%	-1,566	-1,734	-168	
24.7%	-1,639	-1,906	-267	
25.9%	-1,919	-2,024	-105	
27.2%	-2,024	-2,036	-11	
28.4%	-2,823	-2,247	575	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,823	0	
33.3%	-3,333	-3,016	317	
34.6%	-3,500	-3,282	218	
35.8%	-3,500	-3,361	139	
37.0%	-3,500	-3,454	46	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,524	-3,500	24	
48.1%	-3,550	-3,500	50	
49.4%	-3,790	-3,500	290	
50.6%	-3,790	-3,500	290	
51.9%	-4,032	-3,790	242	
53.1%	-4,226	-3,790	435	
54.3%	-4,239	-4,226	13	
55.6%	-4,311	-4,253	58	
56.8%	-4,516	-4,383	133	
58.0%	-4,639	-4,493	146	
59.3%	-4,738	-4,558	180	
60.5%	-4,885	-4,641	244	
61.7%	-5,000	-4,655	345	
63.0%	-5,000	-4,766	234	
64.2%	-5,000	-4,867	133	
65.4%	-5,000	-4,928	72	
66.7%	-5,000	-4,983	17	
67.9%	-5,000	-4,995	5	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,818	4,806	-12	-0.2%
1.2%	4,653	4,631	-22	-0.5%
2.5%	4,471	4,460	-12	-0.3%
3.7%	4,361	4,338	-22	-0.5%
4.9%	4,264	4,253	-12	-0.3%
6.2%	3,850	3,838	-12	-0.3%
7.4%	3,408	3,396	-12	-0.3%
8.6%	2,984	2,973	-12	-0.4%
9.9%	2,951	2,940	-11	-0.4%
11.1%	2,686	2,674	-12	-0.4%
12.3%	2,666	2,654	-12	-0.4%
13.6%	2,368	2,358	-10	-0.4%
14.8%	2,058	2,040	-18	-0.9%
16.0%	2,026	2,014	-12	-0.6%
17.3%	1,933	1,933	0	0.0%
18.5%	1,680	1,680	0	0.0%
19.8%	1,615	1,604	-11	-0.7%
21.0%	1,580	1,580	0	0.0%
22.2%	1,568	1,568	0	0.0%
23.5%	1,531	1,531	0	0.0%
24.7%	1,509	1,509	0	0.0%
25.9%	1,505	1,492	-12	-0.8%
27.2%	1,434	1,434	0	0.0%
28.4%	1,395	1,383	-12	-0.8%
29.6%	1,378	1,378	0	0.0%
30.9%	1,312	1,312	0	0.0%
32.1%	1,261	1,261	0	0.0%
33.3%	1,188	1,188	0	0.0%
34.6%	1,172	1,172	0	0.0%
35.8%	1,098	1,098	0	0.0%
37.0%	1,042	1,042	0	0.0%
38.3%	1,035	1,035	0	0.0%
39.5%	913	913	0	0.0%
40.7%	843	842	0	0.0%
42.0%	766	766	0	0.0%
43.2%	757	757	0	0.0%
44.4%	745	745	0	0.0%
45.7%	641	641	0	0.0%
46.9%	605	605	0	0.0%
48.1%	570	570	0	0.0%
49.4%	559	559	0	0.0%
50.6%	533	533	0	0.0%
51.9%	505	505	0	0.0%
53.1%	472	472	0	0.0%
54.3%	280	198	-81	-29.1%
55.6%	163	163	0	-0.2%
56.8%	141	141	0	0.0%
58.0%	117	117	0	0.0%
59.3%	78	97	19	24.9%
60.5%	28	78	50	
61.7%	-53	28	81	
63.0%	-66	-53	13	
64.2%	-80	-65	15	
65.4%	-98	-98	0	
66.7%	-170	-170	0	
67.9%	-201	-201	0	
69.1%	-206	-206	0	
70.4%	-219	-219	0	
71.6%	-276	-276	0	
72.8%	-309	-305	4	
74.1%	-315	-315	0	
75.3%	-319	-321	-2	
76.5%	-321	-362	-41	
77.8%	-362	-379	-17	
79.0%	-379	-575	-195	
80.2%	-438	-601	-163	
81.5%	-601	-608	-7	
82.7%	-718	-612	106	
84.0%	-727	-718	9	
85.2%	-827	-827	0	
86.4%	-864	-916	-52	
87.7%	-957	-978	-21	
88.9%	-978	-988	-11	
90.1%	-987	-1,119	-132	
91.4%	-989	-1,120	-132	
92.6%	-1,119	-1,150	-32	
93.8%	-1,119	-1,150	-31	
95.1%	-1,150	-1,150	0	
96.3%	-1,150	-1,150	0	
97.5%	-1,150	-1,226	-76	
98.8%	-1,287	-1,287	0	
100.0%	-1,380	-1,380	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,937	3,920	-16	-0.4%
1.2%	3,848	3,831	-17	-0.4%
2.5%	3,813	3,746	-67	-1.8%
3.7%	3,673	3,656	-17	-0.5%
4.9%	2,846	2,830	-17	-0.6%
6.2%	2,802	2,785	-17	-0.6%
7.4%	2,008	1,991	-17	-0.8%
8.6%	1,929	1,912	-17	-0.9%
9.9%	1,865	1,855	-10	-0.5%
11.1%	1,840	1,767	-73	-3.9%
12.3%	1,759	1,759	0	0.0%
13.6%	1,687	1,669	-18	-1.0%
14.8%	1,474	1,457	-16	-1.1%
16.0%	1,253	1,254	1	0.1%
17.3%	1,220	1,204	-16	-1.3%
18.5%	940	930	-9	-1.0%
19.8%	884	884	0	0.0%
21.0%	832	823	-9	-1.1%
22.2%	751	751	0	-0.1%
23.5%	659	659	0	0.0%
24.7%	627	627	0	0.0%
25.9%	621	621	0	0.0%
27.2%	617	617	0	-0.1%
28.4%	581	572	-9	-1.5%
29.6%	572	557	-15	-2.6%
30.9%	543	543	0	-0.1%
32.1%	518	518	0	0.0%
33.3%	454	454	0	0.0%
34.6%	431	431	0	0.1%
35.8%	422	422	0	0.0%
37.0%	409	410	0	0.0%
38.3%	383	383	0	0.0%
39.5%	370	370	0	0.0%
40.7%	313	314	1	0.4%
42.0%	275	275	0	0.0%
43.2%	260	260	0	-0.2%
44.4%	256	256	0	0.0%
45.7%	231	231	0	0.0%
46.9%	227	227	0	-0.1%
48.1%	76	52	-25	-32.3%
49.4%	35	35	0	-0.9%
50.6%	0	-1	0	
51.9%	-11	-10	1	
53.1%	-88	-88	0	
54.3%	-89	-89	0	
55.6%	-137	-137	0	
56.8%	-159	-159	0	
58.0%	-202	-213	-11	
59.3%	-214	-277	-63	
60.5%	-277	-280	-3	
61.7%	-280	-312	-33	
63.0%	-312	-332	-19	
64.2%	-332	-335	-3	
65.4%	-335	-364	-29	
66.7%	-365	-365	0	
67.9%	-400	-400	0	
69.1%	-435	-440	-5	
70.4%	-441	-444	-4	
71.6%	-444	-478	-34	
72.8%	-478	-480	-3	
74.1%	-481	-506	-24	
75.3%	-506	-559	-53	
76.5%	-559	-566	-7	
77.8%	-586	-619	-33	
79.0%	-619	-620	-1	
80.2%	-620	-667	-46	
81.5%	-667	-718	-52	
82.7%	-715	-827	-113	
84.0%	-752	-864	-112	
85.2%	-827	-983	-156	
86.4%	-983	-1,007	-24	
87.7%	-1,008	-1,063	-54	
88.9%	-1,093	-1,093	0	
90.1%	-1,116	-1,125	-9	
91.4%	-1,126	-1,150	-25	
92.6%	-1,150	-1,150	0	
93.8%	-1,150	-1,150	0	
95.1%	-1,150	-1,150	0	
96.3%	-1,435	-1,435	0	
97.5%	-1,590	-1,480	110	
98.8%	-1,675	-1,558	117	
100.0%	-1,737	-1,591	147	

Table SW-35-3b

Old and Middle River, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,633	1,567	-66	-4.1%
1.2%	-495	-532	-37	
2.5%	-1,557	-1,773	-215	
3.7%	-1,773	-1,801	-28	
4.9%	-1,801	-1,810	-9	
6.2%	-1,812	-1,885	-73	
7.4%	-1,952	-1,955	-3	
8.6%	-1,958	-2,031	-74	
9.9%	-2,033	-2,050	-17	
11.1%	-2,054	-2,054	0	
12.3%	-2,069	-2,068	1	
13.6%	-2,070	-2,070	0	
14.8%	-2,122	-2,097	25	
16.0%	-2,302	-2,122	181	
17.3%	-2,308	-2,304	4	
18.5%	-2,308	-2,308	0	
19.8%	-2,314	-2,310	5	
21.0%	-2,650	-2,314	336	
22.2%	-2,847	-2,336	511	
23.5%	-3,163	-2,687	476	
24.7%	-3,371	-2,968	403	
25.9%	-3,500	-3,269	231	
27.2%	-3,500	-3,410	90	
28.4%	-3,500	-3,484	16	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-4,051	-551	
56.8%	-4,014	-4,340	-325	
58.0%	-4,105	-4,392	-286	
59.3%	-4,128	-4,473	-345	
60.5%	-4,435	-4,721	-286	
61.7%	-4,489	-4,816	-327	
63.0%	-4,730	-4,834	-104	
64.2%	-4,833	-4,907	-74	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,478	-1,492	-14	
1.2%	-1,775	-2,925	-1,149	
2.5%	-2,421	-2,955	-534	
3.7%	-3,257	-3,270	-13	
4.9%	-3,424	-3,437	-13	
6.2%	-4,398	-5,600	-1,202	
7.4%	-5,587	-5,720	-133	
8.6%	-5,781	-5,752	29	
9.9%	-6,148	-6,107	41	
11.1%	-6,329	-7,313	-984	
12.3%	-7,599	-7,599	0	
13.6%	-7,698	-7,704	-6	
14.8%	-7,722	-7,774	-52	
16.0%	-7,774	-7,828	-54	
17.3%	-7,814	-7,881	-67	
18.5%	-7,940	-7,891	49	
19.8%	-8,167	-8,167	0	
21.0%	-8,608	-8,719	-112	
22.2%	-8,721	-8,847	-126	
23.5%	-8,847	-8,870	-23	
24.7%	-9,024	-9,092	-68	
25.9%	-9,092	-9,146	-54	
27.2%	-9,152	-9,152	0	
28.4%	-9,164	-9,230	-66	
29.6%	-9,230	-9,369	-139	
30.9%	-9,373	-9,379	-6	
32.1%	-9,549	-9,577	-27	
33.3%	-9,682	-9,689	-7	
34.6%	-9,688	-9,737	-49	
35.8%	-9,709	-9,994	-285	
37.0%	-9,771	-10,053	-282	
38.3%	-9,779	-10,076	-297	
39.5%	-9,872	-10,094	-222	
40.7%	-10,055	-10,116	-61	
42.0%	-10,095	-10,136	-41	
43.2%	-10,101	-10,187	-87	
44.4%	-10,116	-10,235	-119	
45.7%	-10,135	-10,248	-113	
46.9%	-10,248	-10,282	-33	
48.1%	-10,251	-10,282	-31	
49.4%	-10,420	-10,286	135	
50.6%	-10,473	-10,313	160	
51.9%	-10,585	-10,347	238	
53.1%	-10,596	-10,459	137	
54.3%	-10,617	-10,653	-36	
55.6%	-10,643	-10,721	-78	
56.8%	-10,671	-10,786	-115	
58.0%	-10,733	-10,806	-73	
59.3%	-10,740	-10,840	-100	
60.5%	-10,775	-10,885	-110	
61.7%	-10,812	-10,885	-73	
63.0%	-10,885	-10,896	-12	
64.2%	-10,929	-10,925	4	
65.4%	-10,969	-10,983	-15	
66.7%	-10,983	-10,986	-3	
67.9%	-11,030	-11,042	-11	
69.1%	-11,037	-11,043	-6	
70.4%	-11,043	-11,048	-5	
71.6%	-11,063	-11,094	-31	
72.8%	-11,081	-11,103	-22	
74.1%	-11,102	-11,127	-25	
75.3%	-11,175	-11,174	1	
76.5%	-11,198	-11,184	14	
77.8%	-11,201	-11,197	4	
79.0%	-11,217	-11,205	12	
80.2%	-11,218	-11,274	-56	
81.5%	-11,218	-11,284	-66	
82.7%	-11,222	-11,329	-107	
84.0%	-11,264	-11,329	-65	
85.2%	-11,271	-11,342	-71	
86.4%	-11,329	-11,401	-72	
87.7%	-11,352	-11,418	-65	
88.9%	-11,366	-11,454	-87	
90.1%	-11,400	-11,454	-54	
91.4%	-11,417	-11,485	-68	
92.6%	-11,486	-11,486	0	
93.8%	-11,487	-11,499	-12	
95.1%	-11,536	-11,508	28	
96.3%	-11,570	-11,605	-35	
97.5%	-11,603	-11,605	-2	
98.8%	-11,637	-11,645	-8	
100.0%	-11,709	-11,649	60	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,197	-1,852	-655	
1.2%	-1,220	-1,957	-737	
2.5%	-1,306	-2,224	-918	
3.7%	-1,376	-4,395	-3,019	
4.9%	-1,671	-4,398	-2,727	
6.2%	-2,153	-5,624	-3,471	
7.4%	-2,561	-6,068	-3,507	
8.6%	-3,181	-6,764	-3,582	
9.9%	-3,873	-6,896	-3,023	
11.1%	-4,043	-7,086	-3,044	
12.3%	-4,481	-7,135	-2,655	
13.6%	-5,592	-7,146	-1,553	
14.8%	-6,334	-7,219	-884	
16.0%	-7,005	-7,290	-285	
17.3%	-7,136	-7,402	-267	
18.5%	-7,290	-7,724	-434	
19.8%	-7,403	-7,809	-406	
21.0%	-7,795	-7,919	-124	
22.2%	-8,517	-7,959	558	
23.5%	-8,561	-8,586	-25	
24.7%	-8,634	-8,712	-78	
25.9%	-9,141	-9,282	-141	
27.2%	-9,292	-9,286	7	
28.4%	-9,658	-9,293	365	
29.6%	-9,757	-9,757	0	
30.9%	-9,807	-9,807	0	
32.1%	-9,841	-9,874	-32	
33.3%	-9,874	-9,976	-102	
34.6%	-9,941	-10,088	-147	
35.8%	-9,976	-10,115	-139	
37.0%	-10,071	-10,171	-100	
38.3%	-10,171	-10,224	-53	
39.5%	-10,220	-10,280	-60	
40.7%	-10,281	-10,420	-139	
42.0%	-10,451	-10,453	-2	
43.2%	-10,453	-10,490	-37	
44.4%	-10,492	-10,541	-49	
45.7%	-10,540	-10,558	-18	
46.9%	-10,558	-10,562	-3	
48.1%	-10,562	-10,576	-14	
49.4%	-10,576	-10,623	-47	
50.6%	-10,580	-10,633	-54	
51.9%	-10,633	-10,680	-47	
53.1%	-10,635	-10,696	-61	
54.3%	-10,642	-10,699	-57	
55.6%	-10,679	-10,709	-30	
56.8%	-10,696	-10,732	-36	
58.0%	-10,699	-10,752	-53	
59.3%	-10,709	-10,758	-49	
60.5%	-10,752	-10,770	-18	
61.7%	-10,761	-10,776	-15	
63.0%	-10,777	-10,781	-3	
64.2%	-10,795	-10,805	-10	
65.4%	-10,822	-10,841	-19	
66.7%	-10,828	-10,848	-20	
67.9%	-10,841	-10,868	-27	
69.1%	-10,851	-10,911	-60	
70.4%	-10,857	-10,932	-75	
71.6%	-10,870	-10,943	-73	
72.8%	-10,903	-10,968	-64	
74.1%	-10,926	-10,975	-48	
75.3%	-10,947	-10,982	-35	
76.5%	-10,986	-10,987	-1	
77.8%	-11,015	-11,006	9	
79.0%	-11,058	-11,041	17	
80.2%	-11,059	-11,072	-13	
81.5%	-11,071	-11,092	-21	
82.7%	-11,073	-11,129	-56	
84.0%	-11,090	-11,130	-40	
85.2%	-11,092	-11,134	-41	
86.4%	-11,105	-11,138	-34	
87.7%	-11,129	-11,148	-20	
88.9%	-11,131	-11,156	-25	
90.1%	-11,135	-11,160	-26	
91.4%	-11,160	-11,191	-31	
92.6%	-11,173	-11,192	-20	
93.8%	-11,217	-11,197	21	
95.1%	-11,227	-11,222	6	
96.3%	-11,242	-11,242	0	
97.5%	-11,258	-11,258	0	
98.8%	-11,277	-11,299	-22	
100.0%	-11,299	-11,299	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative A Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,142	-3,600	-458	
1.2%	-3,217	-3,889	-673	
2.5%	-3,443	-4,128	-684	
3.7%	-3,725	-4,157	-432	
4.9%	-3,888	-4,169	-281	
6.2%	-3,943	-4,266	-323	
7.4%	-4,003	-4,270	-267	
8.6%	-4,096	-4,415	-319	
9.9%	-4,128	-4,619	-491	
11.1%	-4,137	-5,710	-1,574	
12.3%	-4,220	-6,074	-1,854	
13.6%	-4,381	-6,516	-2,135	
14.8%	-4,417	-7,547	-3,130	
16.0%	-4,441	-7,553	-3,112	
17.3%	-4,522	-7,645	-3,123	
18.5%	-5,511	-7,672	-2,161	
19.8%	-5,534	-7,693	-2,159	
21.0%	-5,640	-7,763	-2,123	
22.2%	-6,091	-7,844	-1,754	
23.5%	-6,250	-7,882	-1,632	
24.7%	-6,685	-8,062	-1,377	
25.9%	-6,745	-8,079	-1,334	
27.2%	-6,915	-8,193	-1,278	
28.4%	-6,968	-8,210	-1,242	
29.6%	-6,996	-8,227	-1,231	
30.9%	-7,151	-8,245	-1,094	
32.1%	-7,188	-8,268	-1,080	
33.3%	-7,314	-8,303	-989	
34.6%	-7,547	-8,322	-775	
35.8%	-7,636	-8,323	-688	
37.0%	-7,797	-8,350	-553	
38.3%	-7,844	-8,350	-506	
39.5%	-7,922	-8,497	-575	
40.7%	-7,961	-8,557	-596	
42.0%	-7,979	-8,563	-584	
43.2%	-8,059	-8,671	-612	
44.4%	-8,075	-8,701	-626	
45.7%	-8,098	-8,705	-607	
46.9%	-8,165	-8,755	-590	
48.1%	-8,210	-8,789	-579	
49.4%	-8,244	-8,800	-556	
50.6%	-8,254	-8,848	-593	
51.9%	-8,287	-8,864	-577	
53.1%	-8,313	-8,933	-620	
54.3%	-8,377	-8,998	-621	
55.6%	-8,396	-9,001	-604	
56.8%	-8,506	-9,003	-497	
58.0%	-8,555	-9,015	-459	
59.3%	-8,562	-9,096	-534	
60.5%	-8,604	-9,200	-596	
61.7%	-8,710	-9,260	-550	
63.0%	-8,739	-9,410	-671	
64.2%	-8,877	-9,480	-603	
65.4%	-8,884	-9,493	-609	
66.7%	-8,969	-9,523	-554	
67.9%	-8,994	-9,584	-590	
69.1%	-9,008	-9,835	-827	
70.4%	-9,015	-9,836	-822	
71.6%	-9,205	-9,847	-643	
72.8%	-9,402	-9,892	-491	
74.1%	-9,496	-9,901	-405	
75.3%	-9,496	-9,906	-410	
76.5%	-9,554	-9,910	-355	
77.8%	-9,584	-9,935	-351	
79.0%	-9,704	-9,973	-269	
80.2%	-9,775	-9,986	-212	
81.5%	-9,831	-9,987	-156	
82.7%	-9,836	-10,022	-185	
84.0%	-9,906	-10,025	-119	
85.2%	-9,910	-10,044	-135	
86.4%	-9,926	-10,053	-127	
87.7%	-9,931	-10,065	-135	
88.9%	-9,986	-10,085	-99	
90.1%	-10,022	-10,094	-72	
91.4%	-10,066	-10,098	-32	
92.6%	-10,095	-10,119	-24	
93.8%	-10,097	-10,122	-25	
95.1%	-10,122	-10,221	-99	
96.3%	-10,204	-10,245	-41	
97.5%	-10,221	-10,303	-82	
98.8%	-10,351	-10,389	-38	
100.0%	-10,396	-10,396	0	

Table SW-36-3a

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,735	6,772	9,003	6,607	7,090	6,641	2,103	2,223	4,939	10,439	9,862	8,678
Alternative A	7,340	7,561	8,987	6,817	7,157	6,595	2,110	2,230	4,938	10,530	10,294	9,486
Difference	606	789	-16	210	67	-46	7	7	-1	90	432	808
Percent Difference[3]	9.0%	11.7%	-0.2%	3.2%	0.9%	-0.7%	0.3%	0.3%	0.0%	0.9%	4.4%	9.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,183	6,578	10,254	7,946	9,341	9,359	2,920	3,449	7,640	11,445	11,719	9,931
Alternative A	8,606	7,206	10,540	7,981	9,190	9,371	2,915	3,446	7,636	11,391	11,632	10,941
Difference	1,423	629	286	35	-150	12	-5	-2	-5	-54	-87	1,010
Percent Difference	19.8%	9.6%	2.8%	0.4%	-1.6%	0.1%	-0.2%	-0.1%	-0.1%	-0.5%	-0.7%	10.2%
Above Normal (15%)												
No Action Alternative	7,375	6,792	9,859	6,599	6,900	7,872	1,809	1,674	6,108	10,671	11,642	9,471
Alternative A	7,954	8,060	9,704	6,477	7,115	7,881	1,806	1,670	6,112	10,936	11,472	10,264
Difference	579	1,268	-155	-122	215	8	-3	-4	3	265	-170	792
Percent Difference	7.9%	18.7%	-1.6%	-1.9%	3.1%	0.1%	-0.2%	-0.2%	0.1%	2.5%	-1.5%	8.4%
Below Normal (17%)												
No Action Alternative	7,868	9,015	8,928	6,246	6,778	6,701	1,733	1,669	4,085	11,150	10,734	9,450
Alternative A	8,475	9,498	9,143	6,246	6,970	6,764	1,731	1,668	4,170	11,156	10,712	10,023
Difference	607	483	214	0	192	63	-1	-1	85	6	-22	573
Percent Difference	7.7%	5.4%	2.4%	0.0%	2.8%	0.9%	-0.1%	-0.1%	2.1%	0.1%	-0.2%	6.1%
Dry (22%)												
No Action Alternative	6,323	7,163	7,795	6,153	5,885	4,268	1,746	1,731	3,014	10,801	9,449	8,152
Alternative A	6,324	8,018	7,975	6,457	5,848	4,136	1,756	1,690	2,977	10,936	10,380	8,784
Difference	1	855	181	304	-36	-132	9	-41	-37	135	931	632
Percent Difference	0.0%	11.9%	2.3%	4.9%	-0.6%	-3.1%	0.5%	-2.4%	-1.2%	1.2%	9.8%	7.8%
Critical (15%)												
No Action Alternative	4,418	3,971	7,334	4,817	4,576	3,009	1,593	1,498	1,800	6,656	3,661	5,058
Alternative A	4,185	4,889	6,240	5,841	4,973	2,786	1,643	1,620	1,755	6,916	5,598	5,981
Difference	-233	918	-1,095	1,024	396	-223	50	122	-44	260	1,937	923
Percent Difference	-5.3%	23.1%	-14.9%	21.3%	8.7%	-7.4%	3.1%	8.2%	-2.5%	3.9%	52.9%	18.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-36-3b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

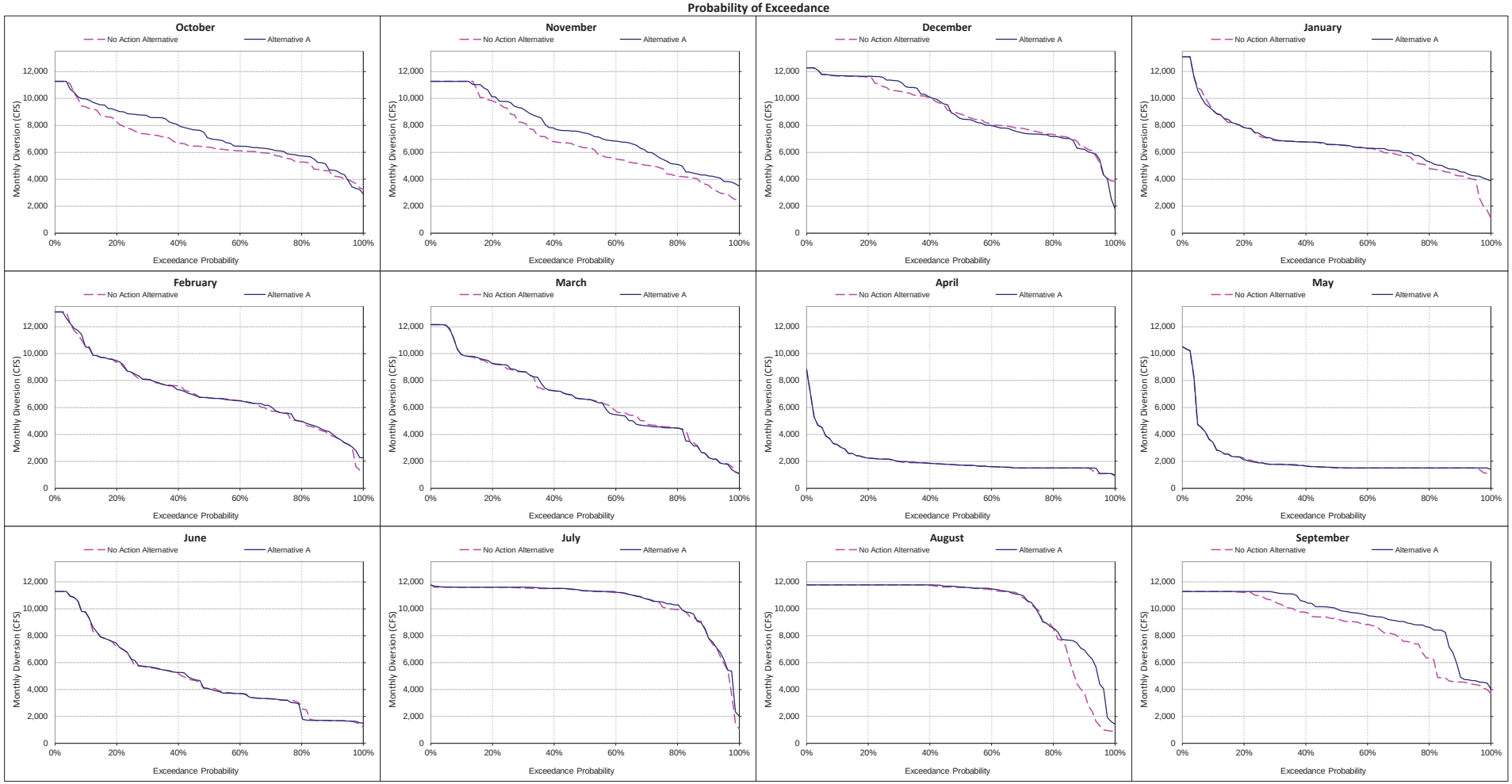


Table SW-36-3b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,073	10,695	-378	-3.4%
6.2%	10,423	10,469	46	0.4%
7.4%	10,001	10,132	130	1.3%
8.6%	9,442	9,993	551	5.8%
9.9%	9,380	9,975	594	6.3%
11.1%	9,246	9,867	621	6.7%
12.3%	9,225	9,709	484	5.2%
13.6%	9,120	9,612	493	5.4%
14.8%	8,737	9,524	788	9.0%
16.0%	8,668	9,516	848	9.8%
17.3%	8,630	9,251	621	7.2%
18.5%	8,586	9,243	657	7.7%
19.8%	8,311	9,128	816	9.8%
21.0%	8,063	9,024	962	11.9%
22.2%	7,938	9,016	1,078	13.6%
23.5%	7,785	8,873	1,088	14.0%
24.7%	7,729	8,849	1,120	14.5%
25.9%	7,578	8,821	1,243	16.4%
27.2%	7,424	8,783	1,359	18.3%
28.4%	7,389	8,769	1,381	18.7%
29.6%	7,375	8,737	1,362	18.5%
30.9%	7,319	8,596	1,277	17.5%
32.1%	7,270	8,579	1,310	18.0%
33.3%	7,259	8,573	1,314	18.1%
34.6%	7,157	8,571	1,414	19.8%
35.8%	7,077	8,497	1,420	20.1%
37.0%	7,062	8,254	1,192	16.9%
38.3%	6,850	8,161	1,310	19.1%
39.5%	6,715	8,078	1,363	20.3%
40.7%	6,667	7,916	1,249	18.7%
42.0%	6,641	7,847	1,205	18.2%
43.2%	6,506	7,763	1,257	19.3%
44.4%	6,471	7,688	1,217	18.8%
45.7%	6,455	7,651	1,195	18.5%
46.9%	6,446	7,627	1,181	18.3%
48.1%	6,424	7,500	1,076	16.8%
49.4%	6,393	7,094	701	11.0%
50.6%	6,375	6,995	620	9.7%
51.9%	6,266	6,959	693	11.1%
53.1%	6,259	6,913	655	10.5%
54.3%	6,227	6,854	628	10.1%
55.6%	6,179	6,704	525	8.5%
56.8%	6,165	6,681	517	8.4%
58.0%	6,146	6,469	322	5.2%
59.3%	6,099	6,456	357	5.8%
60.5%	6,098	6,454	356	5.8%
61.7%	6,080	6,445	364	6.0%
63.0%	6,074	6,414	341	5.6%
64.2%	6,069	6,351	283	4.7%
65.4%	6,023	6,350	327	5.4%
66.7%	5,966	6,311	346	5.8%
67.9%	5,948	6,301	353	5.9%
69.1%	5,929	6,263	334	5.6%
70.4%	5,878	6,195	317	5.4%
71.6%	5,740	6,125	385	6.7%
72.8%	5,714	6,099	385	6.7%
74.1%	5,604	6,071	467	8.3%
75.3%	5,533	5,871	338	6.1%
76.5%	5,504	5,837	334	6.1%
77.8%	5,310	5,830	520	9.8%
79.0%	5,280	5,748	467	8.9%
80.2%	5,271	5,732	460	8.7%
81.5%	5,260	5,688	428	8.1%
82.7%	5,148	5,682	534	10.4%
84.0%	4,753	5,499	746	15.7%
85.2%	4,737	5,235	498	10.5%
86.4%	4,691	5,221	530	11.3%
87.7%	4,634	5,145	511	11.0%
88.9%	4,619	4,685	66	1.4%
90.1%	4,240	4,674	434	10.2%
91.4%	4,197	4,622	425	10.1%
92.6%	4,163	4,427	265	6.4%
93.8%	4,021	4,334	313	7.8%
95.1%	3,955	3,885	-70	-1.8%
96.3%	3,833	3,430	-403	-10.5%
97.5%	3,665	3,317	-348	-9.5%
98.8%	3,381	3,239	-142	-4.2%
100.0%	3,240	2,886	-354	-10.9%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,043	-237	-2.1%
14.8%	10,754	11,033	279	2.6%
16.0%	10,066	11,033	966	9.6%
17.3%	10,065	10,790	725	7.2%
18.5%	9,911	10,629	717	7.2%
19.8%	9,845	10,147	302	3.1%
21.0%	9,719	10,119	400	4.1%
22.2%	9,589	9,809	220	2.3%
23.5%	9,358	9,791	433	4.6%
24.7%	9,297	9,785	487	5.2%
25.9%	8,846	9,693	847	9.6%
27.2%	8,784	9,421	637	7.2%
28.4%	8,246	9,332	1,087	13.2%
29.6%	8,216	9,269	1,053	12.8%
30.9%	8,117	9,083	966	11.9%
32.1%	7,740	8,872	1,132	14.6%
33.3%	7,689	8,749	1,060	13.8%
34.6%	7,262	8,649	1,387	19.1%
35.8%	7,188	8,538	1,350	18.8%
37.0%	7,155	8,063	908	12.7%
38.3%	6,954	7,832	878	12.6%
39.5%	6,811	7,821	1,010	14.8%
40.7%	6,764	7,681	917	13.6%
42.0%	6,723	7,628	906	13.5%
43.2%	6,700	7,622	922	13.8%
44.4%	6,694	7,620	926	13.8%
45.7%	6,654	7,584	930	14.0%
46.9%	6,501	7,568	1,067	16.4%
48.1%	6,440	7,546	1,107	17.2%
49.4%	6,347	7,441	1,094	17.2%
50.6%	6,338	7,415	1,077	17.0%
51.9%	6,325	7,306	981	15.5%
53.1%	6,165	7,171	1,007	16.3%
54.3%	5,831	7,135	1,304	22.4%
55.6%	5,751	7,016	1,265	22.0%
56.8%	5,638	6,921	1,283	22.8%
58.0%	5,611	6,875	1,263	22.5%
59.3%	5,589	6,834	1,246	22.3%
60.5%	5,467	6,830	1,363	24.9%
61.7%	5,452	6,759	1,307	24.0%
63.0%	5,415	6,743	1,328	24.5%
64.2%	5,279	6,713	1,434	27.2%
65.4%	5,220	6,616	1,397	26.8%
66.7%	5,187	6,530	1,343	25.9%
67.9%	5,169	6,316	1,147	22.2%
69.1%	5,057	6,194	1,137	22.5%
70.4%	5,037	5,990	954	18.9%
71.6%	4,983	5,974	991	19.9%
72.8%	4,961	5,801	839	16.9%
74.1%	4,868	5,606	739	15.2%
75.3%	4,772	5,471	699	14.7%
76.5%	4,399	5,327	928	21.1%
77.8%	4,361	5,174	813	18.6%
79.0%	4,284	5,127	842	19.7%
80.2%	4,208	5,081	873	20.7%
81.5%	4,194	4,982	787	18.8%
82.7%	4,167	4,543	376	9.0%
84.0%	4,144	4,531	387	9.3%
85.2%	4,093	4,440	347	8.5%
86.4%	4,033	4,400	367	9.1%
87.7%	3,712	4,324	612	16.5%
88.9%	3,630	4,319	689	19.0%
90.1%	3,533	4,236	703	19.9%
91.4%	3,251	4,228	977	30.1%
92.6%	3,120	4,145	1,025	32.8%
93.8%	2,970	4,086	1,116	37.6%
95.1%	2,925	3,832	907	31.0%
96.3%	2,879	3,826	947	32.9%
97.5%	2,633	3,793	1,160	44.1%
98.8%	2,479	3,664	1,185	47.8%
100.0%	2,402	3,494	1,092	45.4%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,092	12,092	0	0.0%
4.9%	11,781	11,781	0	0.0%
6.2%	11,770	11,770	0	0.0%
7.4%	11,699	11,746	47	0.4%
8.6%	11,697	11,699	2	0.0%
9.9%	11,669	11,697	28	0.2%
11.1%	11,667	11,692	25	0.2%
12.3%	11,666	11,691	25	0.2%
13.6%	11,646	11,667	21	0.2%
14.8%	11,643	11,666	23	0.2%
16.0%	11,641	11,658	17	0.1%
17.3%	11,634	11,652	17	0.1%
18.5%	11,622	11,646	24	0.2%
19.8%	11,579	11,643	64	0.6%
21.0%	11,574	11,641	67	0.6%
22.2%	11,136	11,634	499	4.5%
23.5%	11,055	11,622	567	5.1%
24.7%	10,898	11,568	670	6.2%
25.9%	10,815	11,367	552	5.1%
27.2%	10,595	11,359	763	7.2%
28.4%	10,586	11,333	747	7.1%
29.6%	10,548	11,308	761	7.2%
30.9%	10,522	11,165	643	6.1%
32.1%	10,416	10,870	454	4.4%
33.3%	10,395	10,818	423	4.1%
34.6%	10,270	10,811	540	5.3%
35.8%	10,194	10,764	569	5.6%
37.0%	10,192	10,331	139	1.4%
38.3%	10,169	10,311	143	1.4%
39.5%	10,086	10,134	48	0.5%
40.7%	9,951	10,034	83	0.8%
42.0%	9,766	9,951	185	1.9%
43.2%	9,649	9,787	138	1.4%
44.4%	9,572	9,599	28	0.3%
45.7%	9,134	9,545	411	4.5%
46.9%	9,051	8,930	-121	-1.3%
48.1%	8,989	8,803	-186	-2.1%
49.4%	8,879	8,566	-313	-3.5%
50.6%	8,803	8,468	-334	-3.8%
51.9%	8,629	8,438	-191	-2.2%
53.1%	8,566	8,416	-149	-1.7%
54.3%	8,468	8,318	-150	-1.8%
55.6%	8,416	8,193	-222	-2.6%
56.8%	8,401	8,161	-240	-2.9%
58.0%	8,193	8,009	-184	-2.2%
59.3%	8,160	8,006	-153	-1.9%
60.5%	8,009	7,952	-57	-0.7%
61.7%	8,006	7,886	-120	-1.5%
63.0%	7,983	7,809	-174	-2.2%
64.2%	7,952	7,799	-153	-1.9%
65.4%	7,928	7,772	-155	-2.0%
66.7%	7,886	7,659	-227	-2.9%
67.9%	7,809	7,551	-258	-3.3%
69.1%	7,799	7,485	-314	-4.0%
70.4%	7,772	7,420	-352	-4.5%
71.6%	7,690	7,370	-320	-4.2%
72.8%	7,659	7,362	-297	-3.9%
74.1%	7,551	7,349	-202	-2.7%
75.3%	7,507	7,349	-158	-2.1%
76.5%	7,420	7,322	-98	-1.3%
77.8%	7,349	7,318	-31	-0.4%
79.0%	7,349	7,185	-164	-2.2%
80.2%	7,318	7,171	-147	-2.0%
81.5%	7,248	7,163	-85	-1.2%
82.7%	7,171	7,063	-109	-1.5%
84.0%	7,166	7,031	-135	-1.9%
85.2%	7,063	7,022	-40	-0.6%
86.4%	6,975	6,876	-98	-1.4%
87.7%	6,830	6,305	-524	-7.7%
88.9%	6,433	6,264	-169	-2.6%
90.1%	6,390	6,218	-172	-2.7%
91.4%	6,202	6,037	-164	-2.7%
92.6%	6,132	5,953	-179	-2.9%
93.8%	5,683	5,865	182	3.2%
95.1%	5,197	5,442	245	4.7%
96.3%	4,271	4,316	45	1.1%
97.5%	4,055	4,039	-16	-0.4%
98.8%	3,879	2,567	-1,312	-33.8%
100.0%	3,841	1,809	-2,032	-52.9%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	11,657	11,638	-19	-0.2%
4.9%	10,826	10,603	-223	-2.1%
6.2%	10,620	10,036	-584	-5.5%
7.4%	10,038	9,596	-441	-4.4%
8.6%	9,614	9,376	-239	-2.5%
9.9%	9,129	9,129	0	0.0%
11.1%	8,876	8,859	-17	-0.2%
12.3%	8,807	8,790	-17	-0.2%
13.6%	8,501	8,501	0	0.0%
14.8%	8,210	8,442	233	2.8%
16.0%	8,209	8,190	-18	-0.2%
17.3%	8,125	8,125	0	0.0%
18.5%	8,020	8,020	0	0.0%
19.8%	7,868	7,851	-17	-0.2%
21.0%	7,775	7,776	0	0.0%
22.2%	7,760	7,760	0	0.0%
23.5%	7,458	7,458	0	0.0%
24.7%	7,229	7,424	194	2.7%
25.9%	7,107	7,229	121	1.7%
27.2%	7,090	7,107	18	0.2%
28.4%	6,978	7,090	111	1.6%
29.6%	6,884	6,978	94	1.4%
30.9%	6,852	6,884	32	0.5%
32.1%	6,848	6,852	5	0.1%
33.3%	6,828	6,848	19	0.3%
34.6%	6,819	6,828	9	0.1%
35.8%	6,794	6,819	25	0.4%
37.0%	6,785	6,794	9	0.1%
38.3%	6,779	6,785	6	0.1%
39.5%	6,772	6,779	6	0.1%
40.7%	6,749	6,773	23	0.3%
42.0%	6,748	6,749	1	0.0%
43.2%	6,740	6,748	7	0.1%
44.4%	6,702	6,740	38	0.6%
45.7%	6,597	6,702	106	1.6%
46.9%	6,583	6,597	14	0.2%
48.1%	6,571	6,583	12	0.2%
49.4%	6,567	6,571	3	0.1%
50.6%	6,537	6,567	30	0.5%
51.9%	6,520	6,537	17	0.3%
53.1%	6,492	6,518	26	0.4%
54.3%	6,453	6,492	39	0.6%
55.6%	6,381	6,381	0	0.0%
56.8%	6,372	6,378	5	0.1%
58.0%	6,323	6,372	49	0.8%
59.3%	6,303	6,323	20	0.3%
60.5%	6,285	6,303	18	0.3%
61.7%	6,284	6,296	12	0.2%
63.0%	6,121	6,285	164	2.7%
64.2%	6,112	6,283	171	2.8%
65.4%	5,972	6,280	308	5.2%
66.7%	5,960	6,156	195	3.3%
67.9%	5,936	6,143	207	3.5%
69.1%	5,866	6,121	255	4.3%
70.4%	5,788	6,112	324	5.6%
71.6%	5,760	5,972	212	3.7%
72.8%	5,746	5,969	223	3.9%
74.1%	5,607	5,960	353	6.3%
75.3%	5,269	5,760	491	9.3%
76.5%	5,152	5,746	594	11.5%
77.8%	5,126	5,607	481	9.4%
79.0%	5,044	5,381	337	6.7%
80.2%	4,774	5,269	494	10.4%
81.5%	4,747	5,126	380	8.0%
82.7%	4,692	5,044	351	7.5%
84.0%	4,677	5,041	364	7.8%
85.2%	4,537	4,877	341	7.5%
86.4%	4,521	4,774	253	5.6%
87.7%	4,373	4,747	374	8.5%
88.9%	4,272	4,692	421	9.8%
90.1%	4,242	4,537	295	6.9%
91.4%	4,220	4,521	302	7.2%
92.6%	4,095	4,373	277	6.8%
93.8%	4,007	4,271	264	6.6%
95.1%	3,985	4,242	257	6.4%
96.3%	2,591	4,220	1,629	62.9%
97.5%	2,015	4,095	2,080	103.2%
98.8%	1,697	3,985	2,288	134.8%
100.0%	1,100	3,880	2,780	252.8%

Table SW-36-3b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	12,631	-469	-3.6%
4.9%	12,255	12,255	0	0.0%
6.2%	11,719	11,902	183	1.6%
7.4%	11,436	11,719	283	2.5%
8.6%	11,005	11,413	408	3.7%
9.9%	10,538	10,513	-24	-0.2%
11.1%	10,514	10,417	-96	-0.9%
12.3%	9,888	9,869	-19	-0.2%
13.6%	9,851	9,851	0	0.0%
14.8%	9,723	9,723	0	0.0%
16.0%	9,700	9,700	0	0.0%
17.3%	9,609	9,608	-2	0.0%
18.5%	9,608	9,582	-26	-0.3%
19.8%	9,357	9,507	150	1.6%
21.0%	9,355	9,393	37	0.4%
22.2%	9,016	9,169	153	1.7%
23.5%	8,709	8,709	0	0.0%
24.7%	8,639	8,639	0	0.0%
25.9%	8,371	8,478	107	1.3%
27.2%	8,139	8,351	212	2.6%
28.4%	8,101	8,101	0	0.0%
29.6%	8,093	8,093	0	0.0%
30.9%	8,065	8,065	0	0.0%
32.1%	7,865	7,933	68	0.9%
33.3%	7,819	7,865	46	0.6%
34.6%	7,740	7,740	0	0.0%
35.8%	7,708	7,665	-43	-0.6%
37.0%	7,662	7,624	-39	-0.5%
38.3%	7,624	7,594	-30	-0.4%
39.5%	7,609	7,357	-251	-3.3%
40.7%	7,594	7,292	-302	-4.0%
42.0%	7,292	7,201	-91	-1.2%
43.2%	7,201	7,040	-161	-2.2%
44.4%	7,040	6,971	-69	-1.0%
45.7%	6,971	6,870	-101	-1.4%
46.9%	6,766	6,755	-12	-0.2%
48.1%	6,754	6,751	-3	0.0%
49.4%	6,751	6,719	-32	-0.5%
50.6%	6,696	6,693	-3	0.0%
51.9%	6,693	6,675	-18	-0.3%
53.1%	6,675	6,669	-6	-0.1%
54.3%	6,669	6,632	-37	-0.6%
55.6%	6,632	6,571	-62	-0.9%
56.8%	6,571	6,565	-6	-0.1%
58.0%	6,565	6,513	-52	-0.8%
59.3%	6,513	6,504	-9	-0.1%
60.5%	6,504	6,487	-17	-0.3%
61.7%	6,487	6,409	-77	-1.2%
63.0%	6,321	6,398	76	1.2%
64.2%	6,304	6,321	18	0.3%
65.4%	6,300	6,304	3	0.1%
66.7%	6,020	6,300	281	4.7%
67.9%	5,999	6,172	173	2.9%
69.1%	5,808	6,162	354	6.1%
70.4%	5,723	5,999	276	4.8%
71.6%	5,712	5,723	12	0.2%
72.8%	5,649	5,629	-21	-0.4%
74.1%	5,579	5,579	0	0.0%
75.3%	5,555	5,576	21	0.4%
76.5%	5,074	5,520	446	8.8%
77.8%	5,052	5,074	22	0.4%
79.0%	4,998	4,998	0	0.0%
80.2%	4,963	4,963	0	0.0%
81.5%	4,663	4,819	156	3.4%
82.7%	4,591	4,730	139	3.0%
84.0%	4,540	4,662	122	2.7%
85.2%	4,394	4,540	146	3.3%
86.4%	4,272	4,394	122	2.9%
87.7%	4,203	4,272	68	1.6%
88.9%	3,994	4,203	209	5.2%
90.1%	3,871	3,994	124	3.2%
91.4%	3,744	3,744	0	0.0%
92.6%	3,609	3,609	0	0.0%
93.8%	3,381	3,381	0	0.0%
95.1%	3,261	3,261	0	0.0%
96.3%	3,071	3,071	0	0.0%
97.5%	1,607	2,811	1,204	74.9%
98.8%	1,353	2,290	937	69.3%
100.0%	1,277	2,257	980	76.8%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,161	0	0.0%
4.9%	12,125	12,120	-5	0.0%
6.2%	11,753	11,863	110	0.9%
7.4%	11,169	11,153	-16	-0.1%
8.6%	10,325	10,326	0	0.0%
9.9%	9,967	9,932	-35	-0.4%
11.1%	9,812	9,845	34	0.3%
12.3%	9,806	9,810	3	0.0%
13.6%	9,749	9,806	57	0.6%
14.8%	9,633	9,749	116	1.2%
16.0%	9,548	9,634	86	0.9%
17.3%	9,499	9,548	49	0.5%
18.5%	9,317	9,499	182	2.0%
19.8%	9,298	9,298	0	0.0%
21.0%	9,188	9,238	51	0.6%
22.2%	9,183	9,219	36	0.4%
23.5%	9,153	9,183	30	0.3%
24.7%	8,880	9,153	273	3.1%
25.9%	8,832	8,880	48	0.5%
27.2%	8,711	8,831	121	1.4%
28.4%	8,661	8,708	47	0.5%
29.6%	8,650	8,661	11	0.1%
30.9%	8,645	8,632	-13	-0.2%
32.1%	8,399	8,399	0	0.0%
33.3%	8,276	8,283	7	0.1%
34.6%	7,501	8,260	759	10.1%
35.8%	7,420	7,787	367	5.0%
37.0%	7,288	7,420	131	1.8%
38.3%	7,266	7,288	22	0.3%
39.5%	7,266	7,266	0	0.0%
40.7%	7,214	7,214	0	0.0%
42.0%	7,204	7,204	0	0.0%
43.2%	7,045	7,045	0	0.0%
44.4%	6,968	6,968	0	0.0%
45.7%	6,930	6,930	0	0.0%
46.9%	6,711	6,711	0	0.0%
48.1%	6,650	6,650	0	0.0%
49.4%	6,634	6,634	0	0.0%
50.6%	6,592	6,592	0	0.0%
51.9%	6,580	6,580	0	0.0%
53.1%	6,507	6,457	-50	-0.8%
54.3%	6,457	6,361	-96	-1.5%
55.6%	6,311	6,344	32	0.5%
56.8%	6,244	5,856	-388	-6.2%
58.0%	6,127	5,563	-564	-9.2%
59.3%	5,856	5,477	-379	-6.5%
60.5%	5,630	5,451	-179	-3.2%
61.7%	5,617	5,411	-206	-3.7%
63.0%	5,588	5,379	-209	-3.7%
64.2%	5,451	5,025	-426	-7.8%
65.4%	5,411	5,005	-405	-7.5%
66.7%	5,379	4,745	-634	-11.8%
67.9%	5,025	4,685	-340	-6.8%
69.1%	5,005	4,665	-341	-6.8%
70.4%	4,745	4,628	-117	-2.5%
71.6%	4,685	4,576	-109	-2.3%
72.8%	4,664	4,563	-101	-2.2%
74.1%	4,628	4,559	-69	-1.5%
75.3%	4,576	4,501	-75	-1.6%
76.5%	4,563	4,494	-69	-1.5%
77.8%	4,549	4,482	-68	-1.5%
79.0%	4,482	4,480	-2	0.0%
80.2%	4,470	4,470	0	0.0%
81.5%	4,390	4,390	0	0.0%
82.7%	4,315	3,501	-814	-18.9%
84.0%	3,481	3,481	0	0.0%
85.2%	3,373	3,152	-221	-6.6%
86.4%	3,152	3,120	-32	-1.0%
87.7%	2,679	2,679	0	0.0%
88.9%	2,595	2,595	0	0.0%
90.1%	2,305	2,262	-43	-1.9%
91.4%	2,168	2,168	0	0.0%
92.6%	2,158	2,158	0	0.0%
93.8%	1,871	1,864	-7	-0.4%
95.1%	1,864	1,806	-59	-3.1%
96.3%	1,806	1,773	-32	-1.8%
97.5%	1,618	1,402	-216	-13.4%
98.8%	1,202	1,199	-3	-0.3%
100.0%	1,100	1,100	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,851	8,851	0	0.0%
1.2%	7,097	7,097	0	0.0%
2.5%	5,310	5,298	-12	-0.2%
3.7%	4,693	4,682	-12	-0.3%
4.9%	4,538	4,526	-12	-0.3%
6.2%	3,903	3,891	-12	-0.3%
7.4%	3,704	3,692	-12	-0.3%
8.6%	3,331	3,319	-12	-0.4%
9.9%	3,250	3,238	-12	-0.4%
11.1%	3,055	3,043	-12	-0.4%
12.3%	2,941	2,929	-12	-0.4%
13.6%	2,594	2,586	-8	-0.3%
14.8%	2,586	2,584	-2	-0.1%
16.0%	2,436	2,430	-6	-0.3%
17.3%	2,390	2,390	0	0.0%
18.5%	2,314	2,302	-12	-0.5%
19.8%	2,239	2,239	0	0.0%
21.0%	2,221	2,221	0	0.0%
22.2%	2,197	2,197	0	0.0%
23.5%	2,177	2,177	0	0.0%
24.7%	2,169	2,169	0	0.0%
25.9%	2,166	2,166	0	0.0%
27.2%	2,151	2,151	0	0.0%
28.4%	2,021	2,078	57	2.8%
29.6%	2,007	1,996	-11	-0.6%
30.9%	1,948	1,980	33	1.7%
32.1%	1,940	1,976	36	1.9%
33.3%	1,902	1,947	45	2.4%
34.6%	1,899	1,940	40	2.1%
35.8%	1,899	1,899	0	0.0%
37.0%	1,898	1,893	-5	-0.2%
38.3%	1,893	1,886	-7	-0.4%
39.5%	1,862	1,850	-12	-0.7%
40.7%	1,837	1,837	0	0.0%
42.0%	1,832	1,832	0	0.0%
43.2%	1,808	1,808	0	0.0%
44.4%	1,787	1,786	0	0.0%
45.7%	1,786	1,786	0	0.0%
46.9%	1,761	1,761	0	0.0%
48.1%	1,756	1,756	0	0.0%
49.4%	1,712	1,712	0	0.0%
50.6%	1,710	1,710	0	0.0%
51.9%	1,705	1,705	0	0.0%
53.1%	1,704	1,704	0	0.0%
54.3%	1,695	1,695	0	0.0%
55.6%	1,661	1,637	-24	-1.4%
56.8%	1,637	1,634	-4	-0.2%
58.0%	1,634	1,633	0	0.0%
59.3%	1,633	1,604	-28	-1.7%
60.5%	1,604	1,597	-7	-0.4%
61.7%	1,591	1,586	-4	-0.3%
63.0%	1,577	1,577	0	0.0%
64.2%	1,566	1,566	0	0.0%
65.4%	1,564	1,565	0	0.0%
66.7%	1,534	1,533	-1	-0.1%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,350	1,500	150	11.1%
93.8%	1,100	1,498	398	36.2%
95.1%	1,100	1,100	0	0.0%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	974	74	8.2%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,518	10,509	-8	-0.1%
1.2%	10,361	10,353	-8	-0.1%
2.5%	10,195	10,240	44	0.4%
3.7%	8,289	8,327	39	0.5%
4.9%	4,745	4,728	-17	-0.4%
6.2%	4,529	4,512	-17	-0.4%
7.4%	4,203	4,186	-17	-0.4%
8.6%	3,650	3,633	-17	-0.5%
9.9%	3,421	3,404	-17	-0.5%
11.1%	2,847	2,830	-18	-0.6%
12.3%	2,777	2,760	-17	-0.6%
13.6%	2,565	2,550	-15	-0.6%
14.8%	2,549	2,547	-3	-0.1%
16.0%	2,352	2,352	0	0.0%
17.3%	2,337	2,337	1	0.0%
18.5%	2,326	2,327	1	0.0%
19.8%	2,266	2,129	-136	-6.0%
21.0%	2,128	2,072	-57	-2.7%
22.2%	2,089	1,980	-108	-5.2%
23.5%	1,981	1,951	-30	-1.5%
24.7%	1,967	1,887	-80	-4.1%
25.9%	1,886	1,885	-1	0.0%
27.2%	1,810	1,807	-2	-0.1%
28.4%	1,791	1,782	-10	-0.5%
29.6%	1,784	1,781	-4	-0.2%
30.9%	1,782	1,769	-12	-0.7%
32.1%	1,781	1,767	-13	-0.7%
33.3%	1,771	1,760	-11	-0.6%
34.6%	1,769	1,749	-21	-1.2%
35.8%	1,767	1,717	-51	-2.9%
37.0%	1,759	1,701	-58	-3.3%
38.3%	1,711	1,688	-23	-1.3%
39.5%	1,669	1,669	0	0.0%
40.7%	1,630	1,630	0	0.0%
42.0%	1,609	1,621	13	0.8%
43.2%	1,593	1,599	6	0.4%
44.4%	1,570	1,593	24	1.5%
45.7%	1,564	1,570	5	0.3%
46.9%	1,554	1,564	10	0.6%
48.1%	1,552	1,556	3	0.2%
49.4%	1,514	1,551	37	2.4%
50.6%	1,511	1,537	27	1.8%
51.9%	1,510	1,514	4	0.3%
53.1%	1,503	1,511	8	0.6%
54.3%	1,500	1,511	11	0.7%
55.6%	1,500	1,502	2	0.2%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,399	1,500	101	7.2%
97.5%	1,160	1,500	340	29.3%
98.8%	1,100	1,500	400	36.4%
100.0%	1,100	1,403	303	27.5%

Table SW-36-3b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	10,957	10,917	-40	-0.4%
6.2%	10,857	10,856	-1	0.0%
7.4%	10,633	10,592	-40	-0.4%
8.6%	9,834	9,794	-40	-0.4%
9.9%	9,749	9,780	31	0.3%
11.1%	9,308	9,281	-27	-0.3%
12.3%	8,293	8,632	339	4.1%
13.6%	8,268	8,268	0	0.0%
14.8%	7,906	7,905	0	0.0%
16.0%	7,802	7,802	0	0.0%
17.3%	7,693	7,694	1	0.0%
18.5%	7,565	7,564	0	0.0%
19.8%	7,205	7,473	268	3.7%
21.0%	7,121	7,122	1	0.0%
22.2%	6,952	6,951	0	0.0%
23.5%	6,756	6,755	0	0.0%
24.7%	6,271	6,272	2	0.0%
25.9%	5,753	6,157	404	7.0%
27.2%	5,745	5,753	8	0.1%
28.4%	5,707	5,745	38	0.7%
29.6%	5,686	5,705	18	0.3%
30.9%	5,627	5,686	60	1.1%
32.1%	5,577	5,627	49	0.9%
33.3%	5,534	5,578	44	0.8%
34.6%	5,468	5,467	-1	0.0%
35.8%	5,442	5,441	0	0.0%
37.0%	5,350	5,406	56	1.0%
38.3%	5,308	5,308	0	0.0%
39.5%	5,276	5,275	0	0.0%
40.7%	5,046	5,261	215	4.3%
42.0%	4,927	5,238	311	6.3%
43.2%	4,799	4,927	128	2.7%
44.4%	4,696	4,799	102	2.2%
45.7%	4,662	4,696	35	0.7%
46.9%	4,534	4,664	131	2.9%
48.1%	4,110	4,109	0	0.0%
49.4%	4,081	4,077	-4	-0.1%
50.6%	4,078	3,999	-79	-1.9%
51.9%	4,069	3,906	-163	-4.0%
53.1%	3,905	3,856	-49	-1.3%
54.3%	3,856	3,744	-112	-2.9%
55.6%	3,770	3,727	-43	-1.1%
56.8%	3,744	3,716	-28	-0.8%
58.0%	3,716	3,701	-15	-0.4%
59.3%	3,701	3,700	-1	0.0%
60.5%	3,698	3,673	-25	-0.7%
61.7%	3,673	3,632	-41	-1.1%
63.0%	3,446	3,446	0	0.0%
64.2%	3,381	3,382	1	0.0%
65.4%	3,354	3,355	1	0.0%
66.7%	3,335	3,335	0	0.0%
67.9%	3,331	3,331	0	0.0%
69.1%	3,307	3,307	0	0.0%
70.4%	3,302	3,301	-1	0.0%
71.6%	3,280	3,280	-1	0.0%
72.8%	3,221	3,221	0	0.0%
74.1%	3,217	3,199	-17	-0.5%
75.3%	3,198	3,189	-9	-0.3%
76.5%	3,189	3,027	-162	-5.1%
77.8%	3,124	3,012	-113	-3.6%
79.0%	3,011	2,924	-87	-2.9%
80.2%	2,546	1,769	-777	-30.5%
81.5%	2,467	1,713	-754	-30.6%
82.7%	1,771	1,692	-79	-4.5%
84.0%	1,715	1,692	-23	-1.3%
85.2%	1,692	1,692	0	0.0%
86.4%	1,692	1,692	0	0.0%
87.7%	1,692	1,692	0	0.0%
88.9%	1,692	1,680	-12	-0.7%
90.1%	1,692	1,680	-12	-0.7%
91.4%	1,680	1,680	0	0.0%
92.6%	1,680	1,680	0	0.0%
93.8%	1,680	1,651	-29	-1.7%
95.1%	1,651	1,651	0	0.0%
96.3%	1,644	1,644	0	0.0%
97.5%	1,533	1,619	86	5.6%
98.8%	1,480	1,533	54	3.6%
100.0%	1,158	1,480	321	27.7%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,605	11,679	74	0.6%
2.5%	11,605	11,655	50	0.4%
3.7%	11,605	11,631	26	0.2%
4.9%	11,605	11,626	21	0.2%
6.2%	11,605	11,612	8	0.1%
7.4%	11,605	11,605	0	0.0%
8.6%	11,605	11,605	0	0.0%
9.9%	11,605	11,605	0	0.0%
11.1%	11,605	11,605	0	0.0%
12.3%	11,605	11,605	0	0.0%
13.6%	11,605	11,605	0	0.0%
14.8%	11,605	11,605	0	0.0%
16.0%	11,605	11,605	0	0.0%
17.3%	11,605	11,605	0	0.0%
18.5%	11,605	11,605	0	0.0%
19.8%	11,605	11,605	0	0.0%
21.0%	11,605	11,605	0	0.0%
22.2%	11,605	11,605	0	0.0%
23.5%	11,605	11,605	0	0.0%
24.7%	11,602	11,605	3	0.0%
25.9%	11,577	11,605	28	0.2%
27.2%	11,574	11,605	31	0.3%
28.4%	11,570	11,605	35	0.3%
29.6%	11,529	11,605	76	0.7%
30.9%	11,529	11,605	76	0.7%
32.1%	11,529	11,605	76	0.7%
33.3%	11,527	11,580	53	0.5%
34.6%	11,516	11,570	53	0.5%
35.8%	11,515	11,529	14	0.1%
37.0%	11,515	11,529	14	0.1%
38.3%	11,514	11,515	1	0.0%
39.5%	11,510	11,515	5	0.0%
40.7%	11,510	11,515	5	0.0%
42.0%	11,509	11,507	-1	0.0%
43.2%	11,497	11,506	9	0.1%
44.4%	11,495	11,494	-1	0.0%
45.7%	11,464	11,443	-21	-0.2%
46.9%	11,443	11,441	-2	0.0%
48.1%	11,401	11,404	3	0.0%
49.4%	11,345	11,347	2	0.0%
50.6%	11,313	11,344	31	0.3%
51.9%	11,305	11,322	17	0.2%
53.1%	11,280	11,310	30	0.3%
54.3%	11,280	11,302	22	0.2%
55.6%	11,280	11,281	1	0.0%
56.8%	11,259	11,280	21	0.2%
58.0%	11,235	11,280	45	0.4%
59.3%	11,214	11,280	66	0.6%
60.5%	11,188	11,215	27	0.2%
61.7%	11,180	11,214	34	0.3%
63.0%	11,169	11,126	-43	-0.4%
64.2%	11,061	11,079	18	0.2%
65.4%	11,010	11,000	-10	-0.1%
66.7%	10,970	10,921	-48	-0.4%
67.9%	10,913	10,897	-16	-0.1%
69.1%	10,727	10,778	50	0.5%
70.4%	10,711	10,719	9	0.1%
71.6%	10,667	10,587	-79	-0.7%
72.8%	10,469	10,546	77	0.7%
74.1%	10,452	10,533	81	0.8%
75.3%	10,095	10,496	402	4.0%
76.5%	10,063	10,387	324	3.2%
77.8%	9,974	10,368	394	3.9%
79.0%	9,951	10,281	329	3.3%
80.2%	9,935	10,279	344	3.5%
81.5%	9,924	9,900	-24	-0.2%
82.7%	9,748	9,753	5	0.0%
84.0%	9,406	9,723	317	3.4%
85.2%	9,377	9,598	222	2.4%
86.4%	9,135	9,051	-84	-0.9%
87.7%	9,070	8,971	-100	-1.1%
88.9%	8,529	8,466	-64	-0.7%
90.1%	7,830	7,777	-53	-0.7%
91.4%	7,364	7,534	169	2.3%
92.6%	7,113	7,119	6	0.1%
93.8%	6,451	6,762	312	4.8%
95.1%	5,896	6,211	315	5.3%
96.3%	5,389	5,432	43	0.8%
97.5%	3,626	5,364	1,738	47.9%
98.8%	1,467	2,330	864	58.9%
100.0%	1,059	2,031	972	91.7%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,780	0	0.0%
2.5%	11,780	11,780	0	0.0%
3.7%	11,780	11,780	0	0.0%
4.9%	11,780	11,780	0	0.0%
6.2%	11,780	11,780	0	0.0%
7.4%	11,780	11,780	0	0.0%
8.6%	11,780	11,780	0	0.0%
9.9%	11,780	11,780	0	0.0%
11.1%	11,780	11,780	0	0.0%
12.3%	11,780	11,780	0	0.0%
13.6%	11,780	11,780	0	0.0%
14.8%	11,780	11,780	0	0.0%
16.0%	11,780	11,780	0	0.0%
17.3%	11,780	11,780	0	0.0%
18.5%	11,780	11,780	0	0.0%
19.8%	11,780	11,780	0	0.0%
21.0%	11,780	11,780	0	0.0%
22.2%	11,780	11,780	0	0.0%
23.5%	11,780	11,780	0	0.0%
24.7%	11,780	11,780	0	0.0%
25.9%	11,780	11,780	0	0.0%
27.2%	11,780	11,780	0	0.0%
28.4%	11,780	11,780	0	0.0%
29.6%	11,780	11,780	0	0.0%
30.9%	11,780	11,780	0	0.0%
32.1%	11,780	11,780	0	0.0%
33.3%	11,780	11,780	0	0.0%
34.6%	11,780	11,780	0	0.0%
35.8%	11,780	11,780	0	0.0%
37.0%	11,780	11,780	0	0.0%
38.3%	11,780	11,780	0	0.0%
39.5%	11,736	11,780	44	0.4%
40.7%	11,733	11,780	47	0.4%
42.0%	11,680	11,761	81	0.7%
43.2%	11,661	11,756	95	0.8%
44.4%	11,630	11,686	56	0.5%
45.7%	11,630	11,680	50	0.4%
46.9%	11,627	11,680	53	0.5%
48.1%	11,620	11,658	39	0.3%
49.4%	11,580	11,630	50	0.4%
50.6%	11,580	11,627	46	0.4%
51.9%	11,572	11,580	8	0.1%
53.1%	11,571	11,575	4	0.0%
54.3%	11,534	11,530	-4	0.0%
55.6%	11,506	11,530	24	0.2%
56.8%	11,483	11,530	46	0.4%
58.0%	11,474	11,523	49	0.4%
59.3%	11,430	11,509	79	0.7%
60.5%	11,406	11,458	52	0.5%
61.7%	11,321	11,430	109	1.0%
63.0%	11,291	11,359	68	0.6%
64.2%	11,280	11,317	37	0.3%
65.4%	11,260	11,280	20	0.2%
66.7%	11,240	11,156	-84	-0.7%
67.9%	11,203	11,094	-109	-1.0%
69.1%	10,923	11,053	130	1.2%
70.4%	10,786	10,952	167	1.5%
71.6%	10,596	10,560	-36	-0.3%
72.8%	10,309	10,471	161	1.6%
74.1%	10,069	10,105	37	0.4%
75.3%	9,845	9,620	-225	-2.3%
76.5%	9,029	9,052	23	0.3%
77.8%	8,889	8,935	45	0.5%
79.0%	8,868	8,682	-186	-2.1%
80.2%	8,391	8,526	135	1.6%
81.5%	7,741	8,264	523	6.8%
82.7%	7,664	7,741	77	1.0%
84.0%	7,221	7,682	461	6.4%
85.2%	6,178	7,664	1,486	24.1%
86.4%	5,282	7,621	2,339	44.3%
87.7%	4,423	7,452	3,029	68.5%
88.9%	4,018	7,072	3,054	76.0%
90.1%	3,690	6,930	3,239	87.8%
91.4%	2,781	6,550	3,769	135.5%
92.6%	2,353	6,266	3,912	166.3%
93.8%	1,625	5,669	4,044	248.8%
95.1%	1,274	4,376	3,102	243.5%
96.3%	994	4,052	3,058	307.7%
97.5%	941	1,906	965	102.6%
98.8%	900	1,604	704	78.2%
100.0%	900	1,415	515	57.2%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	11,280	11,280	0	0.0%
16.0%	11,280	11,280	0	0.0%
17.3%	11,238	11,280	42	0.4%
18.5%	11,235	11,280	45	0.4%
19.8%	11,224	11,280	56	0.5%
21.0%	11,219	11,280	61	0.5%
22.2%	11,213	11,280	67	0.6%
23.5%	11,009	11,280	271	2.5%
24.7%	10,988	11,280	292	2.7%
25.9%	10,905	11,280	375	3.4%
27.2%	10,738	11,280	542	5.0%
28.4%	10,675	11,280	605	5.7%
29.6%	10,565	11,224	659	6.2%
30.9%	10,403	11,173	771	7.4%
32.1%	10,323	11,141	818	7.9%
33.3%	10,093	11,116	1,023	10.1%
34.6%	10,051	11,112	1,061	10.6%
35.8%	10,022	11,105	1,083	10.8%
37.0%	9,803	10,990	1,187	12.1%
38.3%	9,758	10,597	839	8.6%
39.5%	9,755	10,558	803	8.2%
40.7%	9,679	10,413	734	7.6%
42.0%	9,440	10,403	963	10.2%
43.2%	9,401	10,152	750	8.0%
44.4%	9,400	10,151	751	8.0%
45.7%	9,386	10,148	761	8.1%
46.9%	9,373	10,131	758	8.1%
48.1%	9,278	10,104	826	8.9%
49.4%	9,275	10,058	783	8.4%
50.6%	9,231	9,927	696	7.5%
51.9%	9,103	9,825	722	7.9%
53.1%	9,064	9,785	721	8.0%
54.3%	9,063	9,736	673	7.4%
55.6%	9,031	9,698	667	7.4%
56.8%	9,004	9,687	682	7.6%
58.0%	8,886	9,627	742	8.3%
59.3%	8,822	9,563	741	8.4%
60.5%	8,819	9,470	651	7.4%
61.7%	8,730	9,448	719	8.2%
63.0%	8,698	9,402	704	8.1%
64.2%	8,419	9,392	974	11.6%
65.4%	8,207	9,340	1,134	13.8%
66.7%	8,193	9,212	1,019	12.4%
67.9%	8,151	9,148	996	12.2%
69.1%	8,054	9,111	1,057	13.1%
70.4%	7,870	9,065	1,195	15.2%
71.6%	7,592	9,057	1,466	19.3%
72.8%	7,557	8,949	1,392	18.4%
74.1%	7,507	8,884	1,377	18.3%
75.3%	7,402	8,822	1,420	19.2%
76.5%	7,372	8,798	1,426	19.3%
77.8%	6,743	8,797	2,054	30.5%
79.0%	6,363	8,664	2,301	36.2%
80.2%	6,312	8,605	2,293	36.3%
81.5%	6,199	8,419	2,220	35.8%
82.7%	4,882	8,409	3,527	72.3%
84.0%	4,873	8,407	3,534	72.5%
85.2%	4,873	8,255	3,382	69.4%
86.4%	4,642	7,151	2,509	54.0%
87.7%	4,593	6,731	2,138	46.6%
88.9%	4,578	5,933	1,355	29.6%
90.1%	4,544	4,914	370	8.1%
91.4%	4,540	4,730	190	4.2%
92.6%	4,459	4,710	251	5.6%
93.8%	4,395	4,669	274	6.2%
95.1%	4,350	4,647	297	6.8%
96.3%	4,307	4,544	237	5.5%
97.5%	4,095	4,536	441	10.8%
98.8%	4,001	4,475	473	11.8%
100.0%	3,698	4,003	306	8.3%

Table SW-37-3a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,449	3,525	4,041	3,099	2,947	2,787	1,042	1,105	2,390	3,900	3,935	3,838
Alternative A	3,651	3,695	3,984	3,271	3,131	2,768	1,045	1,096	2,335	3,989	4,013	4,040
Difference	202	170	-57	172	184	-19	3	-9	-55	90	78	202
Percent Difference[3]	5.9%	4.8%	-1.4%	5.5%	6.2%	-0.7%	0.3%	-0.8%	-2.3%	2.3%	2.0%	5.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,409	3,537	4,335	3,492	3,696	3,577	1,371	1,620	3,574	4,556	4,598	3,939
Alternative A	4,111	3,506	4,341	3,518	3,801	3,577	1,369	1,620	3,570	4,523	4,525	4,387
Difference	703	-31	6	26	105	0	-2	0	-4	-32	-73	448
Percent Difference	20.6%	-0.9%	0.1%	0.7%	2.8%	0.0%	-0.2%	0.0%	-0.1%	-0.7%	-1.6%	11.4%
Above Normal (15%)												
No Action Alternative	3,607	3,859	4,389	2,969	2,731	3,593	929	870	3,079	4,004	4,585	3,681
Alternative A	3,856	3,932	4,389	3,129	2,968	3,605	928	868	2,920	4,458	4,418	4,096
Difference	249	73	0	161	237	12	-2	-2	-159	454	-166	415
Percent Difference	6.9%	1.9%	0.0%	5.4%	8.7%	0.3%	-0.2%	-0.2%	-5.2%	11.3%	-3.6%	11.3%
Below Normal (17%)												
No Action Alternative	3,984	4,260	4,061	2,957	2,640	2,721	890	870	2,117	4,200	4,022	4,495
Alternative A	4,149	4,369	4,212	3,123	3,070	2,791	890	869	1,958	4,257	4,008	4,577
Difference	165	109	150	166	430	70	0	-1	-158	57	-14	81
Percent Difference	4.1%	2.6%	3.7%	5.6%	16.3%	2.6%	-0.1%	-0.1%	-7.5%	1.4%	-0.3%	1.8%
Dry (22%)												
No Action Alternative	3,589	3,597	3,697	3,143	2,851	2,060	879	883	1,480	4,001	3,770	3,935
Alternative A	3,360	4,077	3,886	3,244	2,911	1,960	893	860	1,444	4,087	4,117	3,942
Difference	-229	480	189	101	60	-101	14	-23	-36	86	346	7
Percent Difference	-6.4%	13.4%	5.1%	3.2%	2.1%	-4.9%	1.6%	-2.6%	-2.4%	2.1%	9.2%	0.2%
Critical (15%)												
No Action Alternative	2,542	2,201	3,548	2,478	2,044	1,434	866	834	821	1,872	1,997	2,860
Alternative A	2,303	2,508	2,686	3,090	2,245	1,364	871	809	849	1,905	2,351	2,750
Difference	-239	306	-863	612	202	-70	5	-26	28	32	354	-110
Percent Difference	-9.4%	13.9%	-24.3%	24.7%	9.9%	-4.9%	0.6%	-3.1%	3.4%	1.7%	17.7%	-3.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-37-3b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

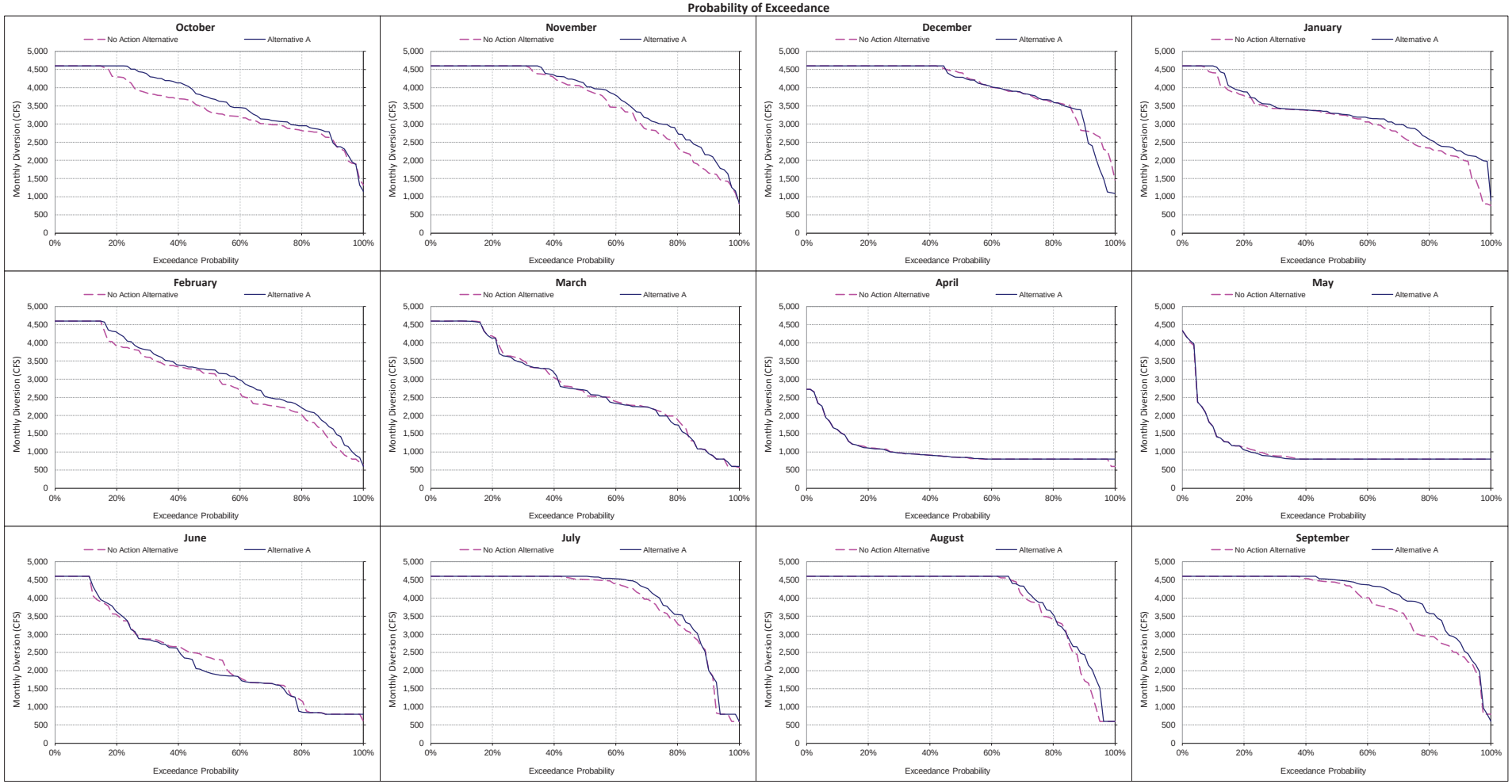


Table SW-37-3b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,551	4,600	49	1.1%
17.3%	4,521	4,600	79	1.7%
18.5%	4,315	4,600	285	6.6%
19.8%	4,298	4,600	302	7.0%
21.0%	4,294	4,600	306	7.1%
22.2%	4,282	4,600	318	7.4%
23.5%	4,195	4,593	398	9.5%
24.7%	4,126	4,509	383	9.3%
25.9%	3,969	4,508	539	13.6%
27.2%	3,924	4,436	513	13.1%
28.4%	3,893	4,424	532	13.7%
29.6%	3,859	4,392	532	13.8%
30.9%	3,827	4,298	471	12.3%
32.1%	3,815	4,286	472	12.4%
33.3%	3,791	4,259	468	12.4%
34.6%	3,780	4,249	468	12.4%
35.8%	3,756	4,193	437	11.6%
37.0%	3,729	4,192	463	12.4%
38.3%	3,729	4,177	448	12.0%
39.5%	3,694	4,134	439	11.9%
40.7%	3,694	4,132	438	11.9%
42.0%	3,687	4,080	393	10.7%
43.2%	3,665	4,035	370	10.1%
44.4%	3,629	3,958	329	9.1%
45.7%	3,539	3,831	292	8.3%
46.9%	3,498	3,814	316	9.0%
48.1%	3,467	3,770	303	8.8%
49.4%	3,372	3,745	373	11.0%
50.6%	3,321	3,698	377	11.4%
51.9%	3,303	3,682	379	11.5%
53.1%	3,277	3,630	353	10.8%
54.3%	3,272	3,619	347	10.6%
55.6%	3,228	3,599	372	11.5%
56.8%	3,223	3,480	257	8.0%
58.0%	3,220	3,457	236	7.3%
59.3%	3,213	3,453	240	7.5%
60.5%	3,168	3,446	278	8.8%
61.7%	3,166	3,434	268	8.4%
63.0%	3,112	3,347	235	7.6%
64.2%	3,110	3,272	162	5.2%
65.4%	3,073	3,222	149	4.9%
66.7%	3,010	3,142	132	4.4%
67.9%	3,005	3,134	129	4.3%
69.1%	2,996	3,129	132	4.4%
70.4%	2,983	3,095	112	3.8%
71.6%	2,977	3,084	107	3.6%
72.8%	2,968	3,069	102	3.4%
74.1%	2,948	3,063	114	3.9%
75.3%	2,881	3,054	173	6.0%
76.5%	2,869	2,983	114	4.0%
77.8%	2,854	2,971	116	4.1%
79.0%	2,842	2,953	111	3.9%
80.2%	2,815	2,950	135	4.8%
81.5%	2,809	2,949	140	5.0%
82.7%	2,802	2,897	95	3.4%
84.0%	2,779	2,874	95	3.4%
85.2%	2,777	2,862	85	3.1%
86.4%	2,725	2,834	108	4.0%
87.7%	2,641	2,796	155	5.9%
88.9%	2,630	2,785	155	5.9%
90.1%	2,554	2,475	-79	-3.1%
91.4%	2,376	2,384	7	0.3%
92.6%	2,317	2,372	55	2.4%
93.8%	2,262	2,314	51	2.3%
95.1%	1,983	2,139	156	7.9%
96.3%	1,916	1,959	43	2.2%
97.5%	1,906	1,884	-21	-1.1%
98.8%	1,463	1,323	-140	-9.6%
100.0%	1,322	1,147	-175	-13.2%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,552	4,600	48	1.0%
33.3%	4,423	4,600	177	4.0%
34.6%	4,387	4,600	213	4.9%
35.8%	4,373	4,558	184	4.2%
37.0%	4,360	4,398	38	0.9%
38.3%	4,337	4,379	42	1.0%
39.5%	4,310	4,363	53	1.2%
40.7%	4,213	4,317	104	2.5%
42.0%	4,166	4,308	142	3.4%
43.2%	4,126	4,302	176	4.3%
44.4%	4,074	4,240	166	4.1%
45.7%	4,074	4,236	163	4.0%
46.9%	4,061	4,213	151	3.7%
48.1%	4,057	4,166	110	2.7%
49.4%	3,998	4,140	142	3.6%
50.6%	3,927	4,024	96	2.5%
51.9%	3,891	4,018	127	3.3%
53.1%	3,844	3,974	131	3.4%
54.3%	3,832	3,962	130	3.4%
55.6%	3,776	3,957	181	4.8%
56.8%	3,661	3,937	276	7.5%
58.0%	3,467	3,864	397	11.5%
59.3%	3,460	3,828	368	10.6%
60.5%	3,452	3,760	308	8.9%
61.7%	3,451	3,656	205	6.0%
63.0%	3,339	3,600	260	7.8%
64.2%	3,326	3,523	197	5.9%
65.4%	3,299	3,434	134	4.1%
66.7%	3,064	3,337	273	8.9%
67.9%	3,013	3,319	307	10.2%
69.1%	2,884	3,186	301	10.5%
70.4%	2,840	3,153	313	11.0%
71.6%	2,832	3,076	243	8.6%
72.8%	2,817	3,050	232	8.2%
74.1%	2,714	3,010	296	10.9%
75.3%	2,698	2,996	298	11.1%
76.5%	2,595	2,991	396	15.2%
77.8%	2,558	2,920	362	14.1%
79.0%	2,494	2,904	411	16.5%
80.2%	2,333	2,721	388	16.6%
81.5%	2,243	2,716	473	21.1%
82.7%	2,208	2,565	357	16.2%
84.0%	2,169	2,561	393	18.1%
85.2%	1,939	2,450	512	26.4%
86.4%	1,899	2,402	503	26.5%
87.7%	1,803	2,355	552	30.6%
88.9%	1,743	2,158	414	23.8%
90.1%	1,650	2,148	498	30.2%
91.4%	1,642	2,099	457	27.9%
92.6%	1,612	1,939	327	20.3%
93.8%	1,462	1,777	315	21.5%
95.1%	1,440	1,745	305	21.2%
96.3%	1,425	1,635	210	14.7%
97.5%	1,277	1,255	-22	-1.7%
98.8%	1,098	1,160	63	5.7%
100.0%	800	817	17	2.2%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,572	4,600	28	0.6%
44.4%	4,533	4,600	67	1.5%
45.7%	4,493	4,401	-92	-2.0%
46.9%	4,462	4,338	-123	-2.8%
48.1%	4,458	4,295	-163	-3.7%
49.4%	4,419	4,287	-131	-3.0%
50.6%	4,401	4,283	-118	-2.7%
51.9%	4,283	4,234	-49	-1.1%
53.1%	4,234	4,209	-25	-0.6%
54.3%	4,219	4,208	-10	-0.2%
55.6%	4,208	4,125	-83	-2.0%
56.8%	4,097	4,097	0	0.0%
58.0%	4,080	4,078	-2	0.0%
59.3%	4,004	4,052	47	1.2%
60.5%	4,003	4,004	1	0.0%
61.7%	3,992	4,003	11	0.3%
63.0%	3,976	3,976	0	0.0%
64.2%	3,943	3,943	0	0.0%
65.4%	3,904	3,937	32	0.8%
66.7%	3,899	3,904	5	0.1%
67.9%	3,886	3,899	13	0.3%
69.1%	3,884	3,886	2	0.1%
70.4%	3,829	3,829	0	0.0%
71.6%	3,822	3,823	1	0.0%
72.8%	3,775	3,798	22	0.6%
74.1%	3,710	3,775	65	1.8%
75.3%	3,674	3,710	36	1.0%
76.5%	3,674	3,674	0	0.0%
77.8%	3,659	3,674	15	0.4%
79.0%	3,612	3,659	48	1.3%
80.2%	3,586	3,586	0	0.0%
81.5%	3,583	3,582	-1	0.0%
82.7%	3,558	3,531	-27	-0.8%
84.0%	3,531	3,484	-47	-1.3%
85.2%	3,524	3,462	-62	-1.8%
86.4%	3,296	3,428	132	4.0%
87.7%	3,093	3,397	305	9.8%
88.9%	2,824	3,392	568	20.1%
90.1%	2,816	2,996	179	6.4%
91.4%	2,802	2,463	-339	-12.1%
92.6%	2,761	2,402	-359	-13.0%
93.8%	2,692	2,055	-638	-23.7%
95.1%	2,640	1,743	-898	-34.0%
96.3%	2,300	1,499	-801	-34.8%
97.5%	2,265	1,133	-1,132	-50.0%
98.8%	1,923	1,112	-811	-42.2%
100.0%	1,462	1,087	-374	-25.6%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,564	4,600	36	0.8%
8.6%	4,438	4,600	162	3.6%
9.9%	4,410	4,600	190	4.3%
11.1%	4,404	4,564	161	3.7%
12.3%	4,063	4,430	367	9.0%
13.6%	4,036	4,395	359	8.9%
14.8%	3,934	4,063	129	3.3%
16.0%	3,888	4,010	122	3.1%
17.3%	3,880	3,948	68	1.8%
18.5%	3,819	3,925	106	2.8%
19.8%	3,790	3,888	98	2.6%
21.0%	3,734	3,880	146	3.9%
22.2%	3,729	3,729	0	0.0%
23.5%	3,554	3,712	158	4.5%
24.7%	3,545	3,614	69	2.0%
25.9%	3,523	3,557	34	1.0%
27.2%	3,489	3,554	64	1.8%
28.4%	3,442	3,545	103	3.0%
29.6%	3,426	3,489	63	1.8%
30.9%	3,424	3,442	18	0.5%
32.1%	3,414	3,426	12	0.3%
33.3%	3,410	3,424	14	0.4%
34.6%	3,404	3,414	11	0.3%
35.8%	3,397	3,410	12	0.4%
37.0%	3,392	3,397	5	0.1%
38.3%	3,389	3,392	3	0.1%
39.5%	3,386	3,389	3	0.1%
40.7%	3,375	3,386	12	0.3%
42.0%	3,374	3,375	1	0.0%
43.2%	3,370	3,374	4	0.1%
44.4%	3,351	3,370	19	0.6%
45.7%	3,298	3,351	53	1.6%
46.9%	3,291	3,348	57	1.7%
48.1%	3,285	3,298	13	0.4%
49.4%	3,269	3,291	23	0.7%
50.6%	3,260	3,285	25	0.8%
51.9%	3,246	3,269	22	0.7%
53.1%	3,237	3,259	22	0.7%
54.3%	3,190	3,246	56	1.7%
55.6%	3,162	3,202	40	1.3%
56.8%	3,142	3,193	50	1.6%
58.0%	3,142	3,190	49	1.5%
59.3%	3,060	3,189	129	4.2%
60.5%	3,056	3,162	106	3.5%
61.7%	2,986	3,151	165	5.5%
63.0%	2,980	3,148	168	5.6%
64.2%	2,968	3,142	174	5.9%
65.4%	2,880	3,141	262	9.1%
66.7%	2,873	3,060	187	6.5%
67.9%	2,812	3,056	244	8.7%
69.1%	2,803	2,986	183	6.5%
70.4%	2,708	2,985	277	10.2%
71.6%	2,634	2,980	346	13.1%
72.8%	2,563	2,906	343	13.4%
74.1%	2,522	2,880	358	14.2%
75.3%	2,439	2,873	434	17.8%
76.5%	2,387	2,803	416	17.4%
77.8%	2,373	2,690	317	13.4%
79.0%	2,346	2,634	288	12.3%
80.2%	2,339	2,563	224	9.6%
81.5%	2,277	2,522	245	10.7%
82.7%	2,268	2,439	170	7.5%
84.0%	2,261	2,387	126	5.6%
85.2%	2,186	2,381	195	8.9%
86.4%	2,136	2,373	238	11.1%
87.7%	2,121	2,346	225	10.6%
88.9%	2,110	2,268	159	7.5%
90.1%	2,048	2,261	213	10.4%
91.4%	1,993	2,186	194	9.7%
92.6%	1,973	2,136	163	8.3%
93.8%	1,511	2,121	610	40.4%
95.1%	1,481	2,110	629	42.5%
96.3%	1,192	2,048	855	71.7%
97.5%	800	1,993	1,193	149.1%
98.8%	800	1,973	1,173	146.6%
100.0%	760	884	124	16.4%

Table SW-37-3b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,320	4,569	250	5.8%
17.3%	4,047	4,355	308	7.6%
18.5%	4,032	4,320	287	7.1%
19.8%	3,932	4,304	372	9.5%
21.0%	3,909	4,239	330	8.4%
22.2%	3,872	4,176	303	7.8%
23.5%	3,870	4,047	177	4.6%
24.7%	3,831	4,032	201	5.3%
25.9%	3,812	3,932	121	3.2%
27.2%	3,797	3,870	73	1.9%
28.4%	3,646	3,833	187	5.1%
29.6%	3,607	3,812	204	5.7%
30.9%	3,600	3,797	197	5.5%
32.1%	3,520	3,695	174	5.0%
33.3%	3,486	3,646	160	4.6%
34.6%	3,449	3,600	151	4.4%
35.8%	3,383	3,520	137	4.0%
37.0%	3,377	3,505	128	3.8%
38.3%	3,376	3,485	110	3.3%
39.5%	3,348	3,402	54	1.6%
40.7%	3,335	3,377	43	1.3%
42.0%	3,316	3,376	59	1.8%
43.2%	3,285	3,337	52	1.6%
44.4%	3,283	3,335	52	1.6%
45.7%	3,257	3,316	60	1.8%
46.9%	3,252	3,285	33	1.0%
48.1%	3,170	3,283	113	3.6%
49.4%	3,161	3,262	102	3.2%
50.6%	3,152	3,257	105	3.3%
51.9%	3,150	3,252	102	3.2%
53.1%	3,000	3,161	161	5.4%
54.3%	2,861	3,152	290	10.2%
55.6%	2,856	3,150	294	10.3%
56.8%	2,825	3,086	261	9.3%
58.0%	2,777	3,081	304	10.9%
59.3%	2,741	3,000	258	9.4%
60.5%	2,537	2,961	424	16.7%
61.7%	2,499	2,862	363	14.5%
63.0%	2,482	2,814	333	13.4%
64.2%	2,331	2,777	445	19.1%
65.4%	2,318	2,706	388	16.8%
66.7%	2,311	2,697	387	16.7%
67.9%	2,309	2,537	228	9.9%
69.1%	2,279	2,499	220	9.6%
70.4%	2,270	2,482	211	9.3%
71.6%	2,259	2,461	201	8.9%
72.8%	2,236	2,458	222	9.9%
74.1%	2,220	2,424	204	9.2%
75.3%	2,197	2,376	179	8.1%
76.5%	2,136	2,365	229	10.7%
77.8%	2,102	2,331	230	10.9%
79.0%	2,084	2,270	186	8.9%
80.2%	1,997	2,197	200	10.0%
81.5%	1,872	2,136	264	14.1%
82.7%	1,824	2,102	278	15.2%
84.0%	1,804	2,082	277	15.4%
85.2%	1,691	1,997	306	18.1%
86.4%	1,631	1,872	242	14.8%
87.7%	1,471	1,804	334	22.7%
88.9%	1,343	1,691	347	25.8%
90.1%	1,186	1,631	445	37.5%
91.4%	1,109	1,475	366	33.0%
92.6%	1,028	1,421	393	38.2%
93.8%	910	1,190	280	30.7%
95.1%	855	1,145	289	33.8%
96.3%	800	1,007	207	25.9%
97.5%	800	905	105	13.1%
98.8%	711	848	138	19.4%
100.0%	643	600	-43	-6.8%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,591	-9	-0.2%
14.8%	4,591	4,576	-15	-0.3%
16.0%	4,576	4,559	-17	-0.4%
17.3%	4,330	4,330	0	0.0%
18.5%	4,199	4,199	0	0.0%
19.8%	4,192	4,130	-62	-1.5%
21.0%	4,138	4,129	-9	-0.2%
22.2%	3,915	3,710	-205	-5.2%
23.5%	3,710	3,644	-66	-1.8%
24.7%	3,644	3,633	-11	-0.3%
25.9%	3,633	3,607	-26	-0.7%
27.2%	3,607	3,523	-84	-2.3%
28.4%	3,602	3,484	-118	-3.3%
29.6%	3,523	3,465	-58	-1.6%
30.9%	3,465	3,394	-71	-2.0%
32.1%	3,333	3,358	24	0.7%
33.3%	3,325	3,325	0	0.0%
34.6%	3,317	3,317	0	0.0%
35.8%	3,296	3,296	0	0.0%
37.0%	3,290	3,292	2	0.1%
38.3%	3,156	3,290	134	4.3%
39.5%	3,063	3,226	163	5.3%
40.7%	3,009	3,095	86	2.9%
42.0%	2,940	2,798	-142	-4.8%
43.2%	2,815	2,781	-34	-1.2%
44.4%	2,808	2,765	-43	-1.5%
45.7%	2,794	2,739	-55	-2.0%
46.9%	2,726	2,729	3	0.1%
48.1%	2,705	2,726	20	0.7%
49.4%	2,690	2,705	16	0.6%
50.6%	2,539	2,690	150	5.9%
51.9%	2,536	2,578	41	1.6%
53.1%	2,529	2,570	41	1.6%
54.3%	2,527	2,560	33	1.3%
55.6%	2,513	2,513	0	0.0%
56.8%	2,508	2,503	-5	-0.2%
58.0%	2,503	2,372	-130	-5.2%
59.3%	2,406	2,343	-64	-2.6%
60.5%	2,372	2,332	-40	-1.7%
61.7%	2,343	2,314	-29	-1.2%
63.0%	2,314	2,288	-26	-1.1%
64.2%	2,288	2,279	-9	-0.4%
65.4%	2,281	2,251	-31	-1.3%
66.7%	2,277	2,247	-30	-1.3%
67.9%	2,275	2,241	-34	-1.5%
69.1%	2,241	2,240	-1	0.0%
70.4%	2,235	2,235	0	0.0%
71.6%	2,195	2,195	0	0.0%
72.8%	2,157	2,155	-3	-0.1%
74.1%	2,121	1,991	-130	-6.1%
75.3%	2,094	1,990	-104	-5.0%
76.5%	1,991	1,987	-4	-0.2%
77.8%	1,990	1,839	-151	-7.6%
79.0%	1,987	1,751	-236	-11.9%
80.2%	1,855	1,741	-114	-6.2%
81.5%	1,741	1,560	-181	-10.4%
82.7%	1,633	1,499	-134	-8.2%
84.0%	1,318	1,410	92	7.0%
85.2%	1,297	1,297	0	0.0%
86.4%	1,084	1,084	0	0.0%
87.7%	1,079	1,079	0	0.0%
88.9%	1,066	1,061	-5	-0.5%
90.1%	946	951	5	0.5%
91.4%	903	903	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	600	722	122	20.4%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	569	600	31	5.5%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,726	2,726	0	0.0%
1.2%	2,722	2,722	0	0.0%
2.5%	2,655	2,649	-6	-0.2%
3.7%	2,347	2,341	-6	-0.3%
4.9%	2,269	2,263	-6	-0.3%
6.2%	1,951	1,946	-6	-0.3%
7.4%	1,852	1,846	-6	-0.3%
8.6%	1,665	1,660	-6	-0.4%
9.9%	1,625	1,619	-6	-0.4%
11.1%	1,527	1,521	-6	-0.4%
12.3%	1,470	1,464	-6	-0.4%
13.6%	1,297	1,292	-5	-0.4%
14.8%	1,215	1,215	0	0.0%
16.0%	1,195	1,195	0	0.0%
17.3%	1,174	1,151	-23	-2.0%
18.5%	1,157	1,119	-37	-3.2%
19.8%	1,119	1,111	-9	-0.8%
21.0%	1,111	1,099	-12	-1.1%
22.2%	1,099	1,085	-14	-1.3%
23.5%	1,085	1,083	-2	-0.2%
24.7%	1,083	1,076	-7	-0.7%
25.9%	1,076	1,039	-37	-3.4%
27.2%	1,003	998	-6	-0.6%
28.4%	994	994	0	0.0%
29.6%	974	974	0	0.0%
30.9%	970	970	0	0.0%
32.1%	950	950	0	0.0%
33.3%	949	947	-3	-0.3%
34.6%	947	943	-4	-0.4%
35.8%	938	938	0	0.0%
37.0%	931	925	-6	-0.7%
38.3%	919	919	0	0.0%
39.5%	916	916	0	0.0%
40.7%	904	904	0	0.0%
42.0%	893	893	0	0.0%
43.2%	893	893	0	0.0%
44.4%	880	881	0	0.0%
45.7%	878	878	0	0.0%
46.9%	856	856	0	0.0%
48.1%	855	855	0	0.0%
49.4%	853	853	0	0.0%
50.6%	852	852	0	0.0%
51.9%	847	847	0	0.0%
53.1%	819	846	27	3.3%
54.3%	817	819	2	0.2%
55.6%	816	817	0	0.1%
56.8%	802	817	14	1.8%
58.0%	800	802	2	0.3%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	600	800	200	33.3%
100.0%	600	800	200	33.3%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,341	4,333	-8	-0.2%
1.2%	4,184	4,176	-8	-0.2%
2.5%	4,019	4,063	44	1.1%
3.7%	3,933	3,971	39	1.0%
4.9%	2,373	2,364	-9	-0.4%
6.2%	2,265	2,256	-9	-0.4%
7.4%	2,102	2,093	-8	-0.4%
8.6%	1,825	1,817	-9	-0.5%
9.9%	1,711	1,702	-9	-0.5%
11.1%	1,424	1,415	-9	-0.6%
12.3%	1,389	1,380	-9	-0.6%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,273	-1	-0.1%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	0	0.0%
19.8%	1,133	1,065	-68	-6.0%
21.0%	1,106	1,036	-70	-6.3%
22.2%	1,064	990	-74	-7.0%
23.5%	1,044	976	-69	-6.6%
24.7%	990	942	-48	-4.9%
25.9%	984	904	-80	-8.1%
27.2%	943	890	-53	-5.6%
28.4%	905	885	-20	-2.2%
29.6%	890	863	-27	-3.0%
30.9%	885	851	-35	-3.9%
32.1%	885	835	-50	-5.7%
33.3%	876	815	-61	-6.9%
34.6%	855	811	-45	-5.2%
35.8%	835	800	-35	-4.2%
37.0%	815	800	-15	-1.8%
38.3%	804	800	-4	-0.5%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-37-3b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,059	4,316	257	6.3%
13.6%	3,953	4,134	181	4.6%
14.8%	3,901	3,953	52	1.3%
16.0%	3,847	3,901	54	1.4%
17.3%	3,782	3,847	65	1.7%
18.5%	3,561	3,782	222	6.2%
19.8%	3,556	3,641	85	2.4%
21.0%	3,476	3,561	85	2.4%
22.2%	3,378	3,476	98	2.9%
23.5%	3,364	3,378	13	0.4%
24.7%	3,203	3,135	-68	-2.1%
25.9%	3,033	3,078	45	1.5%
27.2%	2,938	2,877	-61	-2.1%
28.4%	2,877	2,873	-4	-0.1%
29.6%	2,873	2,852	-20	-0.7%
30.9%	2,869	2,843	-26	-0.9%
32.1%	2,862	2,813	-49	-1.7%
33.3%	2,834	2,789	-45	-1.6%
34.6%	2,789	2,734	-55	-2.0%
35.8%	2,752	2,721	-31	-1.1%
37.0%	2,675	2,638	-37	-1.4%
38.3%	2,664	2,631	-34	-1.3%
39.5%	2,662	2,619	-43	-1.6%
40.7%	2,638	2,464	-174	-6.6%
42.0%	2,578	2,348	-230	-8.9%
43.2%	2,523	2,332	-191	-7.6%
44.4%	2,495	2,304	-191	-7.7%
45.7%	2,489	2,055	-434	-17.4%
46.9%	2,464	2,039	-425	-17.3%
48.1%	2,400	1,997	-402	-16.8%
49.4%	2,378	1,953	-425	-17.9%
50.6%	2,348	1,928	-420	-17.9%
51.9%	2,306	1,892	-413	-17.9%
53.1%	2,302	1,872	-430	-18.7%
54.3%	2,283	1,863	-420	-18.4%
55.6%	2,041	1,858	-183	-8.9%
56.8%	1,928	1,850	-78	-4.0%
58.0%	1,858	1,850	-8	-0.4%
59.3%	1,837	1,837	0	0.0%
60.5%	1,775	1,723	-52	-3.0%
61.7%	1,723	1,691	-32	-1.9%
63.0%	1,677	1,678	1	0.0%
64.2%	1,668	1,670	2	0.1%
65.4%	1,666	1,668	2	0.1%
66.7%	1,663	1,666	3	0.2%
67.9%	1,653	1,653	0	0.0%
69.1%	1,651	1,650	0	0.0%
70.4%	1,640	1,640	0	0.0%
71.6%	1,610	1,610	0	0.0%
72.8%	1,599	1,595	-4	-0.3%
74.1%	1,595	1,506	-89	-5.6%
75.3%	1,506	1,358	-147	-9.8%
76.5%	1,304	1,293	-11	-0.8%
77.8%	1,260	1,276	16	1.3%
79.0%	1,220	885	-335	-27.5%
80.2%	1,156	856	-299	-25.9%
81.5%	886	846	-40	-4.5%
82.7%	846	846	0	0.0%
84.0%	846	840	-6	-0.7%
85.2%	840	840	0	0.0%
86.4%	840	840	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	800	200	33.3%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,595	4,600	5	0.1%
43.2%	4,569	4,600	31	0.7%
44.4%	4,562	4,600	38	0.8%
45.7%	4,540	4,600	60	1.3%
46.9%	4,523	4,600	77	1.7%
48.1%	4,522	4,600	78	1.7%
49.4%	4,514	4,600	86	1.9%
50.6%	4,509	4,600	91	2.0%
51.9%	4,505	4,587	82	1.8%
53.1%	4,500	4,576	76	1.7%
54.3%	4,492	4,575	83	1.9%
55.6%	4,486	4,540	55	1.2%
56.8%	4,476	4,540	64	1.4%
58.0%	4,470	4,540	69	1.6%
59.3%	4,399	4,535	136	3.1%
60.5%	4,394	4,528	134	3.1%
61.7%	4,347	4,521	174	4.0%
63.0%	4,320	4,508	188	4.4%
64.2%	4,271	4,481	211	4.9%
65.4%	4,259	4,471	212	5.0%
66.7%	4,164	4,429	265	6.4%
67.9%	4,109	4,342	233	5.7%
69.1%	3,970	4,299	330	8.3%
70.4%	3,964	4,255	291	7.3%
71.6%	3,897	4,148	251	6.4%
72.8%	3,820	4,071	251	6.6%
74.1%	3,662	4,006	345	9.4%
75.3%	3,611	3,804	193	5.3%
76.5%	3,568	3,773	205	5.7%
77.8%	3,419	3,654	235	6.9%
79.0%	3,405	3,552	147	4.3%
80.2%	3,263	3,541	278	8.5%
81.5%	3,220	3,529	309	9.6%
82.7%	3,099	3,326	227	7.3%
84.0%	3,058	3,284	226	7.4%
85.2%	2,930	3,125	195	6.7%
86.4%	2,844	3,029	186	6.5%
87.7%	2,678	2,718	40	1.5%
88.9%	2,575	2,531	-43	-1.7%
90.1%	1,995	1,999	4	0.2%
91.4%	1,861	1,838	-23	-1.2%
92.6%	832	1,680	847	101.8%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	600	800	200	33.3%
98.8%	600	800	200	33.3%
100.0%	600	600	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,600	4,600	0	0.0%
44.4%	4,600	4,600	0	0.0%
45.7%	4,600	4,600	0	0.0%
46.9%	4,600	4,600	0	0.0%
48.1%	4,600	4,600	0	0.0%
49.4%	4,600	4,600	0	0.0%
50.6%	4,600	4,600	0	0.0%
51.9%	4,600	4,600	0	0.0%
53.1%	4,600	4,600	0	0.0%
54.3%	4,600	4,600	0	0.0%
55.6%	4,600	4,600	0	0.0%
56.8%	4,600	4,600	0	0.0%
58.0%	4,600	4,600	0	0.0%
59.3%	4,600	4,600	0	0.0%
60.5%	4,600	4,600	0	0.0%
61.7%	4,600	4,600	0	0.0%
63.0%	4,556	4,600	44	1.0%
64.2%	4,553	4,600	47	1.0%
65.4%	4,535	4,600	65	1.4%
66.7%	4,481	4,400	-80	-1.8%
67.9%	4,445	4,387	-58	-1.3%
69.1%	4,155	4,335	179	4.3%
70.4%	4,021	4,329	308	7.7%
71.6%	3,950	4,165	215	5.4%
72.8%	3,889	4,068	178	4.6%
74.1%	3,881	3,955	74	1.9%
75.3%	3,824	3,878	55	1.4%
76.5%	3,495	3,873	378	10.8%
77.8%	3,485	3,679	193	5.5%
79.0%	3,453	3,646	194	5.6%
80.2%	3,390	3,509	119	3.5%
81.5%	3,333	3,257	-76	-2.3%
82.7%	3,290	3,201	-89	-2.7%
84.0%	3,118	3,068	-51	-1.6%
85.2%	2,710	2,850	140	5.2%
86.4%	2,481	2,660	179	7.2%
87.7%	2,454	2,656	202	8.2%
88.9%	1,927	2,471	545	28.3%
90.1%	1,717	2,442	724	42.2%
91.4%	1,658	2,153	495	29.8%
92.6%	1,325	2,026	700	52.8%
93.8%	974	1,760	786	80.7%
95.1%	600	1,527	927	154.5%
96.3%	600	600	0	0.0%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,579	4,600	21	0.5%
39.5%	4,533	4,600	67	1.5%
40.7%	4,531	4,600	69	1.5%
42.0%	4,502	4,600	98	2.2%
43.2%	4,481	4,600	119	2.7%
44.4%	4,470	4,530	60	1.3%
45.7%	4,457	4,529	72	1.6%
46.9%	4,451	4,520	69	1.6%
48.1%	4,443	4,513	70	1.6%
49.4%	4,434	4,499	65	1.5%
50.6%	4,411	4,492	80	1.8%
51.9%	4,410	4,478	69	1.6%
53.1%	4,336	4,474	138	3.2%
54.3%	4,329	4,451	122	2.8%
55.6%	4,229	4,436	207	4.9%
56.8%	4,121	4,393	273	6.6%
58.0%	4,022	4,375	353	8.8%
59.3%	4,006	4,365	358	8.9%
60.5%	4,000	4,361	361	9.0%
61.7%	3,813	4,323	510	13.4%
63.0%	3,810	4,316	506	13.3%
64.2%	3,779	4,310	531	14.0%
65.4%	3,757	4,276	519	13.8%
66.7%	3,713	4,229	516	13.9%
67.9%	3,702	4,149	447	12.1%
69.1%	3,654	4,121	466	12.8%
70.4%	3,598	4,082	484	13.5%
71.6%	3,583	3,969	386	10.8%
72.8%	3,406	3,917	511	15.0%
74.1%	3,272	3,916	644	19.7%
75.3%	3,020	3,907	887	29.4%
76.5%	2,996	3,872	876	29.3%
77.8%	2,966	3,833	867	29.2%
79.0%	2,958	3,614	656	22.2%
80.2%	2,944	3,574	630	21.4%
81.5%	2,932	3,566	634	21.6%
82.7%	2,848	3,438	590	20.7%
84.0%	2,755	3,383	628	22.8%
85.2%	2,715	3,106	391	14.4%
86.4%	2,685	2,971	286	10.7%
87.7%	2,513	2,944	431	17.2%
88.9%	2,499	2,883	384	15.4%
90.1%	2,391	2,763	372	15.6%
91.4%	2,374	2,535	161	6.8%
92.6%	2,238	2,462	224	10.0%
93.8%	2,218	2,281	63	2.9%
95.1%	1,982	2,158	176	8.9%
96.3%	1,810	1,966	156	8.6%
97.5%	800	970	170	21.3%
98.8%	800	800	0	0.0%
100.0%	800	600	-200	-25.0%

Table SW-38-3a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,286	3,247	4,962	3,508	4,143	3,854	1,060	1,117	2,549	6,539	5,927	4,840
Alternative A	3,689	3,866	5,003	3,546	4,025	3,827	1,065	1,134	2,603	6,540	6,280	5,446
Difference	403	620	41	38	-117	-27	4	17	54	1	354	606
Percent Difference[3]	12.3%	19.1%	0.8%	1.1%	-2.8%	-0.7%	0.4%	1.5%	2.1%	0.0%	6.0%	12.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,774	3,040	5,919	4,454	5,644	5,782	1,549	1,829	4,066	6,889	7,121	5,992
Alternative A	4,494	3,700	6,199	4,463	5,389	5,794	1,547	1,826	4,066	6,867	7,107	6,554
Difference	721	660	280	9	-255	12	-2	-2	-1	-22	-14	561
Percent Difference	19.1%	21.7%	4.7%	0.2%	-4.5%	0.2%	-0.1%	-0.1%	0.0%	-0.3%	-0.2%	9.4%
Above Normal (15%)												
No Action Alternative	3,768	2,932	5,470	3,630	4,169	4,280	879	804	3,029	6,667	7,057	5,790
Alternative A	4,098	4,127	5,315	3,347	4,147	4,275	878	802	3,192	6,478	7,054	6,168
Difference	330	1,195	-155	-283	-22	-4	-2	-2	162	-189	-3	377
Percent Difference	8.8%	40.8%	-2.8%	-7.8%	-0.5%	-0.1%	-0.2%	-0.2%	5.4%	-2.8%	0.0%	6.5%
Below Normal (17%)												
No Action Alternative	3,884	4,755	4,867	3,289	4,137	3,980	843	799	1,969	6,950	6,713	4,955
Alternative A	4,326	5,129	4,931	3,123	3,899	3,973	842	799	2,212	6,899	6,705	5,447
Difference	441	374	64	-166	-238	-7	-1	-1	243	-51	-8	492
Percent Difference	11.4%	7.9%	1.3%	-5.0%	-5.8%	-0.2%	-0.1%	-0.1%	12.4%	-0.7%	-0.1%	9.9%
Dry (22%)												
No Action Alternative	2,734	3,566	4,098	3,010	3,034	2,208	867	848	1,534	6,800	5,679	4,216
Alternative A	2,964	3,941	4,090	3,212	2,937	2,176	862	830	1,533	6,849	6,264	4,842
Difference	230	375	-8	203	-97	-31	-4	-18	-1	49	584	626
Percent Difference	8.4%	10.5%	-0.2%	6.7%	-3.2%	-1.4%	-0.5%	-2.1%	-0.1%	0.7%	10.3%	14.8%
Critical (15%)												
No Action Alternative	1,876	1,769	3,786	2,339	2,532	1,575	727	664	979	4,784	1,663	2,197
Alternative A	1,882	2,381	3,554	2,752	2,727	1,422	772	812	907	5,012	3,247	3,231
Difference	6	611	-232	412	195	-153	45	148	-72	228	1,584	1,034
Percent Difference	0.3%	34.6%	-6.1%	17.6%	7.7%	-9.7%	6.2%	22.3%	-7.4%	4.8%	95.2%	47.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-38-3b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

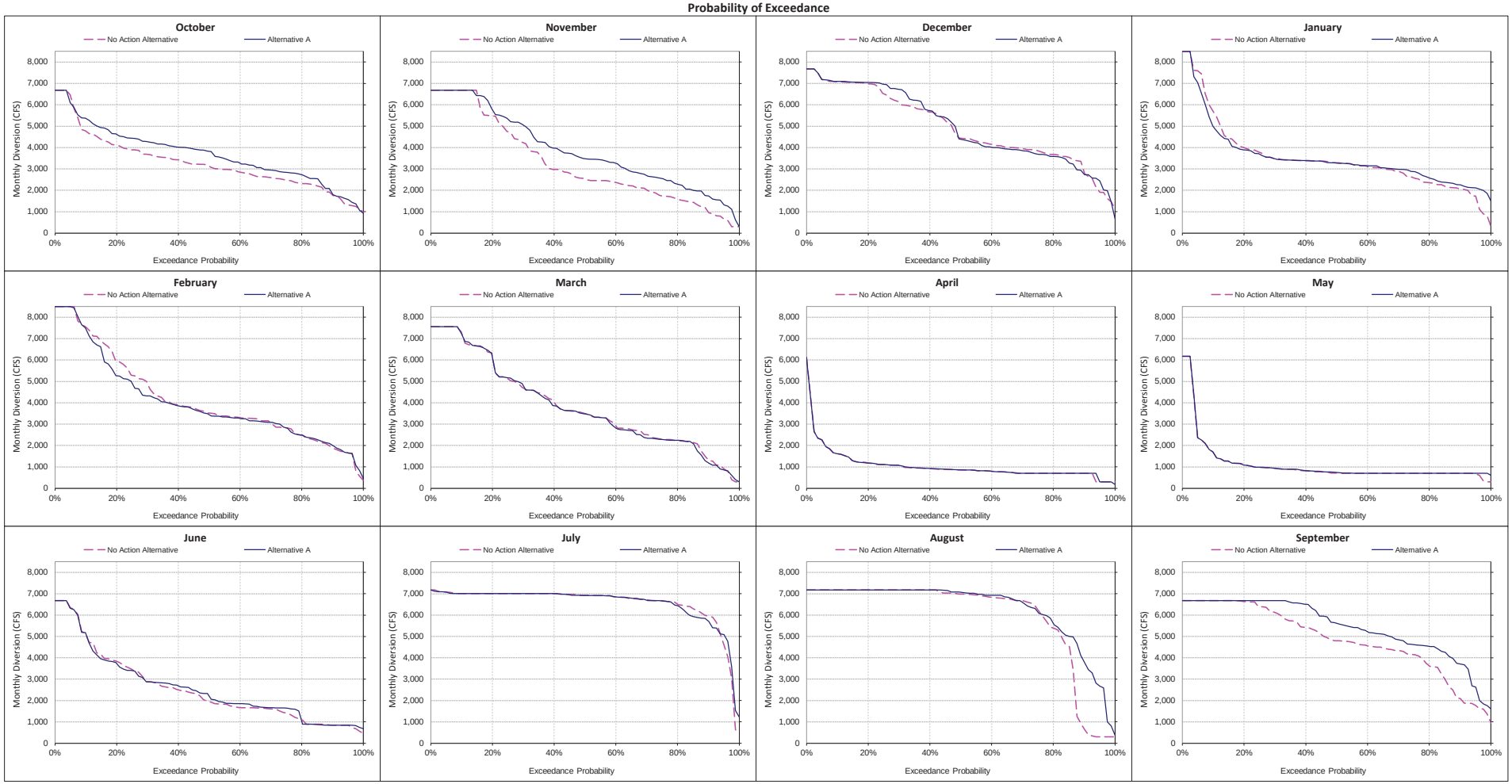


Table SW-38-3b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,473	6,095	-378	-5.8%
6.2%	5,823	5,869	46	0.8%
7.4%	5,401	5,532	130	2.4%
8.6%	4,842	5,393	551	11.4%
9.9%	4,780	5,375	594	12.4%
11.1%	4,646	5,267	621	13.4%
12.3%	4,625	5,109	484	10.5%
13.6%	4,520	5,012	493	10.9%
14.8%	4,387	4,931	544	12.4%
16.0%	4,315	4,916	601	13.9%
17.3%	4,262	4,832	570	13.4%
18.5%	4,137	4,651	514	12.4%
19.8%	4,117	4,643	526	12.8%
21.0%	4,065	4,528	463	11.4%
22.2%	3,969	4,508	539	13.6%
23.5%	3,936	4,447	511	13.0%
24.7%	3,893	4,436	544	14.0%
25.9%	3,888	4,424	536	13.8%
27.2%	3,867	4,392	524	13.6%
28.4%	3,694	4,298	604	16.3%
29.6%	3,687	4,286	599	16.2%
30.9%	3,668	4,249	581	15.8%
32.1%	3,605	4,221	616	17.1%
33.3%	3,573	4,169	596	16.7%
34.6%	3,550	4,165	614	17.3%
35.8%	3,539	4,137	598	16.9%
37.0%	3,510	4,080	571	16.3%
38.3%	3,443	4,062	618	18.0%
39.5%	3,428	4,018	590	17.2%
40.7%	3,411	4,012	601	17.6%
42.0%	3,321	3,995	674	20.3%
43.2%	3,280	3,990	710	21.7%
44.4%	3,228	3,958	730	22.6%
45.7%	3,223	3,901	678	21.0%
46.9%	3,211	3,898	687	21.4%
48.1%	3,211	3,886	675	21.0%
49.4%	3,193	3,836	643	20.1%
50.6%	3,073	3,814	740	24.1%
51.9%	3,009	3,587	577	19.2%
53.1%	2,997	3,565	568	19.0%
54.3%	2,983	3,517	534	17.9%
55.6%	2,979	3,457	478	16.0%
56.8%	2,965	3,385	419	14.1%
58.0%	2,952	3,323	371	12.6%
59.3%	2,875	3,323	448	15.6%
60.5%	2,836	3,224	388	13.7%
61.7%	2,802	3,222	420	15.0%
63.0%	2,780	3,178	398	14.3%
64.2%	2,704	3,172	468	17.3%
65.4%	2,647	3,067	420	15.9%
66.7%	2,630	3,063	432	16.4%
67.9%	2,630	2,968	339	12.9%
69.1%	2,612	2,957	345	13.2%
70.4%	2,582	2,940	358	13.9%
71.6%	2,546	2,924	378	14.8%
72.8%	2,537	2,874	337	13.3%
74.1%	2,502	2,851	350	14.0%
75.3%	2,468	2,837	369	15.0%
76.5%	2,445	2,817	372	15.2%
77.8%	2,376	2,799	423	17.8%
79.0%	2,338	2,761	423	18.1%
80.2%	2,318	2,722	404	17.4%
81.5%	2,317	2,637	320	13.8%
82.7%	2,284	2,549	265	11.6%
84.0%	2,257	2,547	291	12.9%
85.2%	2,196	2,546	349	15.9%
86.4%	2,143	2,285	143	6.7%
87.7%	1,919	2,092	173	9.0%
88.9%	1,916	2,089	172	9.0%
90.1%	1,760	1,789	29	1.6%
91.4%	1,743	1,723	-19	-1.1%
92.6%	1,586	1,692	106	6.7%
93.8%	1,365	1,632	267	19.6%
95.1%	1,316	1,571	255	19.4%
96.3%	1,281	1,433	152	11.8%
97.5%	1,244	1,363	119	9.5%
98.8%	1,101	1,058	-43	-3.9%
100.0%	978	927	-51	-5.2%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,433	-247	-3.7%
16.0%	5,855	6,433	578	9.9%
17.3%	5,520	6,389	869	15.7%
18.5%	5,508	6,190	682	12.4%
19.8%	5,466	5,821	355	6.5%
21.0%	5,465	5,547	82	1.5%
22.2%	5,119	5,519	400	7.8%
23.5%	4,989	5,458	470	9.4%
24.7%	4,758	5,370	613	12.9%
25.9%	4,697	5,209	511	10.9%
27.2%	4,411	5,191	780	17.7%
28.4%	4,384	5,185	801	18.3%
29.6%	4,246	5,093	847	19.9%
30.9%	4,171	4,967	796	19.1%
32.1%	3,849	4,812	963	25.0%
33.3%	3,807	4,483	676	17.8%
34.6%	3,780	4,272	492	13.0%
35.8%	3,599	4,265	665	18.5%
37.0%	3,234	4,231	997	30.8%
38.3%	3,029	4,049	1,021	33.7%
39.5%	2,974	3,980	1,006	33.8%
40.7%	2,973	3,961	988	33.2%
42.0%	2,968	3,855	886	29.9%
43.2%	2,860	3,756	896	31.3%
44.4%	2,839	3,738	899	31.7%
45.7%	2,766	3,714	948	34.3%
46.9%	2,625	3,625	1,001	38.1%
48.1%	2,576	3,546	970	37.7%
49.4%	2,564	3,493	930	36.3%
50.6%	2,488	3,463	975	39.2%
51.9%	2,451	3,453	1,002	40.9%
53.1%	2,451	3,448	997	40.7%
54.3%	2,451	3,441	989	40.4%
55.6%	2,451	3,423	972	39.7%
56.8%	2,451	3,373	921	37.6%
58.0%	2,419	3,310	891	36.8%
59.3%	2,383	3,305	922	38.7%
60.5%	2,354	3,240	886	37.6%
61.7%	2,285	3,087	802	35.1%
63.0%	2,263	3,028	765	33.8%
64.2%	2,215	2,915	700	31.6%
65.4%	2,205	2,857	652	29.6%
66.7%	2,123	2,841	718	33.8%
67.9%	2,114	2,789	674	31.9%
69.1%	2,100	2,750	651	31.0%
70.4%	1,977	2,664	687	34.7%
71.6%	1,924	2,631	707	36.7%
72.8%	1,872	2,613	740	39.5%
74.1%	1,773	2,573	800	45.1%
75.3%	1,725	2,535	810	47.0%
76.5%	1,717	2,451	734	42.7%
77.8%	1,702	2,451	749	44.0%
79.0%	1,639	2,321	683	41.7%
80.2%	1,565	2,277	713	45.6%
81.5%	1,532	2,234	703	45.9%
82.7%	1,494	2,053	560	37.5%
84.0%	1,462	2,049	586	40.1%
85.2%	1,440	1,997	557	38.7%
86.4%	1,317	1,974	657	49.9%
87.7%	1,231	1,971	740	60.1%
88.9%	1,202	1,754	552	45.9%
90.1%	948	1,727	779	82.2%
91.4%	900	1,588	689	76.6%
92.6%	812	1,555	742	91.4%
93.8%	790	1,547	757	95.8%
95.1%	649	1,316	667	102.8%
96.3%	587	1,262	675	115.1%
97.5%	300	1,115	815	271.8%
98.8%	300	612	312	103.9%
100.0%	300	300	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,492	7,492	0	0.0%
4.9%	7,181	7,181	0	0.0%
6.2%	7,170	7,170	0	0.0%
7.4%	7,099	7,146	47	0.7%
8.6%	7,097	7,099	2	0.0%
9.9%	7,069	7,097	28	0.4%
11.1%	7,067	7,092	25	0.4%
12.3%	7,066	7,091	25	0.4%
13.6%	7,046	7,067	21	0.3%
14.8%	7,043	7,066	23	0.3%
16.0%	7,041	7,058	17	0.2%
17.3%	7,034	7,052	17	0.2%
18.5%	7,022	7,046	24	0.3%
19.8%	6,979	7,043	64	0.9%
21.0%	6,974	7,041	67	1.0%
22.2%	6,939	7,034	95	1.4%
23.5%	6,811	7,022	211	3.1%
24.7%	6,536	6,968	432	6.6%
25.9%	6,455	6,939	484	7.5%
27.2%	6,298	6,767	469	7.4%
28.4%	6,215	6,759	544	8.7%
29.6%	6,164	6,733	569	9.2%
30.9%	5,995	6,708	713	11.9%
32.1%	5,986	6,565	579	9.7%
33.3%	5,948	6,270	323	5.4%
34.6%	5,922	6,218	297	5.0%
35.8%	5,816	6,211	394	6.8%
37.0%	5,795	6,164	368	6.4%
38.3%	5,750	5,796	46	0.8%
39.5%	5,670	5,731	61	1.1%
40.7%	5,659	5,711	53	0.9%
42.0%	5,594	5,493	-101	-1.8%
43.2%	5,486	5,442	-44	-0.8%
44.4%	5,351	5,434	83	1.5%
45.7%	5,166	5,351	185	3.6%
46.9%	5,049	5,187	138	2.7%
48.1%	4,672	4,999	327	7.0%
49.4%	4,451	4,401	-49	-1.1%
50.6%	4,421	4,366	-55	-1.2%
51.9%	4,414	4,330	-84	-1.9%
53.1%	4,401	4,283	-118	-2.7%
54.3%	4,334	4,234	-100	-2.3%
55.6%	4,283	4,208	-75	-1.7%
56.8%	4,234	4,097	-137	-3.2%
58.0%	4,208	4,037	-171	-4.1%
59.3%	4,165	4,031	-135	-3.2%
60.5%	4,136	4,004	-132	-3.2%
61.7%	4,097	4,003	-93	-2.3%
63.0%	4,080	3,976	-104	-2.5%
64.2%	4,027	3,943	-84	-2.1%
65.4%	4,004	3,925	-79	-2.0%
66.7%	4,003	3,904	-99	-2.5%
67.9%	3,992	3,899	-92	-2.3%
69.1%	3,976	3,886	-90	-2.3%
70.4%	3,943	3,842	-101	-2.6%
71.6%	3,904	3,829	-75	-1.9%
72.8%	3,899	3,775	-124	-3.2%
74.1%	3,886	3,710	-176	-4.5%
75.3%	3,829	3,674	-155	-4.0%
76.5%	3,775	3,674	-101	-2.7%
77.8%	3,710	3,659	-51	-1.4%
79.0%	3,674	3,586	-89	-2.4%
80.2%	3,674	3,582	-93	-2.5%
81.5%	3,659	3,573	-86	-2.4%
82.7%	3,586	3,531	-54	-1.5%
84.0%	3,583	3,463	-120	-3.3%
85.2%	3,531	3,276	-255	-7.2%
86.4%	3,426	3,229	-197	-5.7%
87.7%	3,383	2,953	-430	-12.7%
88.9%	3,356	2,939	-417	-12.4%
90.1%	2,779	2,734	-45	-1.6%
91.4%	2,643	2,727	84	3.2%
92.6%	2,549	2,575	26	1.0%
93.8%	2,132	2,561	429	20.1%
95.1%	1,913	2,441	527	27.6%
96.3%	1,901	2,014	113	6.0%
97.5%	1,614	1,984	371	23.0%
98.8%	1,455	1,455	0	0.0%
100.0%	1,149	676	-473	-41.2%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	7,621	7,306	-315	-4.1%
4.9%	7,589	7,038	-551	-7.3%
6.2%	7,449	6,529	-920	-12.4%
7.4%	6,529	6,003	-526	-8.1%
8.6%	6,020	5,436	-584	-9.7%
9.9%	5,718	4,996	-722	-12.6%
11.1%	5,438	4,776	-662	-12.2%
12.3%	5,014	4,564	-450	-9.0%
13.6%	4,564	4,430	-135	-2.9%
14.8%	4,438	4,395	-43	-1.0%
16.0%	4,404	4,063	-341	-7.7%
17.3%	4,230	4,010	-220	-5.2%
18.5%	4,063	3,925	-137	-3.4%
19.8%	4,014	3,888	-126	-3.1%
21.0%	3,934	3,880	-54	-1.4%
22.2%	3,888	3,842	-45	-1.2%
23.5%	3,880	3,729	-151	-3.9%
24.7%	3,800	3,712	-88	-2.3%
25.9%	3,729	3,614	-115	-3.1%
27.2%	3,554	3,554	0	0.0%
28.4%	3,545	3,545	0	0.0%
29.6%	3,490	3,489	-1	0.0%
30.9%	3,489	3,442	-47	-1.3%
32.1%	3,442	3,426	-16	-0.5%
33.3%	3,426	3,424	-2	-0.1%
34.6%	3,424	3,414	-10	-0.3%
35.8%	3,414	3,410	-5	-0.1%
37.0%	3,410	3,397	-13	-0.4%
38.3%	3,397	3,392	-5	-0.1%
39.5%	3,392	3,389	-3	-0.1%
40.7%	3,389	3,386	-3	-0.1%
42.0%	3,386	3,375	-12	-0.3%
43.2%	3,375	3,374	-1	0.0%
44.4%	3,374	3,370	-4	-0.1%
45.7%	3,370	3,351	-19	-0.6%
46.9%	3,351	3,298	-53	-1.6%
48.1%	3,298	3,291	-7	-0.2%
49.4%	3,291	3,285	-6	-0.2%
50.6%	3,285	3,269	-17	-0.5%
51.9%	3,269	3,259	-10	-0.3%
53.1%	3,260	3,246	-14	-0.4%
54.3%	3,246	3,237	-9	-0.3%
55.6%	3,190	3,190	0	0.0%
56.8%	3,162	3,189	27	0.9%
58.0%	3,142	3,162	19	0.6%
59.3%	3,142	3,151	10	0.3%
60.5%	3,080	3,148	68	2.2%
61.7%	3,060	3,142	82	2.7%
63.0%	3,056	3,141	85	2.8%
64.2%	3,044	3,060	16	0.5%
65.4%	2,986	3,056	70	2.3%
66.7%	2,980	3,024	44	1.5%
67.9%	2,968	3,010	42	1.4%
69.1%	2,880	2,986	106	3.7%
70.4%	2,873	2,985	112	3.9%
71.6%	2,803	2,980	177	6.3%
72.8%	2,638	2,954	316	12.0%
74.1%	2,634	2,880	246	9.3%
75.3%	2,563	2,873	310	12.1%
76.5%	2,522	2,803	282	11.2%
77.8%	2,387	2,690	303	12.7%
79.0%	2,373	2,634	261	11.0%
80.2%	2,346	2,563	217	9.3%
81.5%	2,339	2,522	183	7.8%
82.7%	2,268	2,439	170	7.5%
84.0%	2,261	2,387	126	5.6%
85.2%	2,186	2,373	187	8.5%
86.4%	2,136	2,346	210	9.8%
87.7%	2,121	2,332	211	9.9%
88.9%	2,110	2,268	159	7.5%
90.1%	2,048	2,261	213	10.4%
91.4%	2,046	2,186	140	6.8%
92.6%	1,993	2,136	143	7.2%
93.8%	1,748	2,121	373	21.3%
95.1%	1,730	2,110	380	21.9%
96.3%	1,110	2,048	937	84.4%
97.5%	897	1,993	1,096	122.1%
98.8%	823	1,848	1,026	124.6%
100.0%	300	1,499	1,199	399.8%

Table SW-38-3b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,437	-63	-0.7%
7.4%	7,829	8,031	202	2.6%
8.6%	7,655	7,655	0	0.0%
9.9%	7,556	7,501	-55	-0.7%
11.1%	7,390	7,119	-271	-3.7%
12.3%	7,119	6,844	-275	-3.9%
13.6%	7,111	6,708	-402	-5.7%
14.8%	6,901	6,616	-285	-4.1%
16.0%	6,756	5,913	-843	-12.5%
17.3%	6,616	5,817	-799	-12.1%
18.5%	6,391	5,582	-810	-12.7%
19.8%	5,938	5,269	-669	-11.3%
21.0%	5,914	5,251	-662	-11.2%
22.2%	5,784	5,123	-661	-11.4%
23.5%	5,624	5,100	-524	-9.3%
24.7%	5,288	5,008	-280	-5.3%
25.9%	5,251	4,671	-581	-11.1%
27.2%	5,123	4,651	-472	-9.2%
28.4%	5,100	4,355	-745	-14.6%
29.6%	5,008	4,320	-689	-13.7%
30.9%	4,622	4,316	-306	-6.6%
32.1%	4,408	4,239	-169	-3.8%
33.3%	4,320	4,176	-144	-3.3%
34.6%	4,251	4,047	-204	-4.8%
35.8%	4,047	4,032	-14	-0.4%
37.0%	4,032	3,970	-62	-1.5%
38.3%	3,932	3,932	0	0.0%
39.5%	3,909	3,870	-39	-1.0%
40.7%	3,870	3,833	-38	-1.0%
42.0%	3,831	3,812	-19	-0.5%
43.2%	3,812	3,797	-15	-0.4%
44.4%	3,797	3,712	-85	-2.2%
45.7%	3,711	3,646	-65	-1.8%
46.9%	3,646	3,600	-46	-1.2%
48.1%	3,600	3,520	-80	-2.2%
49.4%	3,520	3,485	-35	-1.0%
50.6%	3,505	3,377	-128	-3.7%
51.9%	3,486	3,376	-110	-3.2%
53.1%	3,383	3,365	-18	-0.5%
54.3%	3,377	3,337	-40	-1.2%
55.6%	3,376	3,335	-41	-1.2%
56.8%	3,348	3,316	-32	-0.9%
58.0%	3,335	3,285	-49	-1.5%
59.3%	3,316	3,283	-34	-1.0%
60.5%	3,285	3,257	-29	-0.9%
61.7%	3,283	3,252	-31	-0.9%
63.0%	3,268	3,161	-107	-3.3%
64.2%	3,257	3,152	-105	-3.2%
65.4%	3,252	3,150	-102	-3.1%
66.7%	3,161	3,118	-43	-1.4%
67.9%	3,152	3,096	-56	-1.8%
69.1%	3,150	3,086	-64	-2.0%
70.4%	3,000	3,081	82	2.7%
71.6%	2,861	3,025	163	5.7%
72.8%	2,856	3,000	144	5.0%
74.1%	2,825	2,862	37	1.3%
75.3%	2,821	2,814	-6	-0.2%
76.5%	2,777	2,618	-160	-5.7%
77.8%	2,537	2,537	0	0.0%
79.0%	2,499	2,499	0	0.0%
80.2%	2,482	2,482	0	0.0%
81.5%	2,331	2,389	57	2.5%
82.7%	2,312	2,365	53	2.3%
84.0%	2,270	2,331	61	2.7%
85.2%	2,197	2,270	73	3.3%
86.4%	2,136	2,197	61	2.9%
87.7%	2,102	2,136	34	1.6%
88.9%	1,997	2,102	105	5.2%
90.1%	1,872	1,997	125	6.7%
91.4%	1,804	1,872	68	3.8%
92.6%	1,728	1,804	77	4.4%
93.8%	1,691	1,691	0	0.0%
95.1%	1,650	1,650	-1	0.0%
96.3%	1,631	1,631	0	0.0%
97.5%	807	1,066	260	32.2%
98.8%	553	815	262	47.3%
100.0%	366	435	69	18.8%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,525	7,561	36	0.5%
9.9%	7,317	7,263	-54	-0.7%
11.1%	6,790	6,869	79	1.2%
12.3%	6,711	6,836	125	1.9%
13.6%	6,698	6,677	-21	-0.3%
14.8%	6,659	6,661	2	0.0%
16.0%	6,617	6,659	42	0.6%
17.3%	6,569	6,553	-16	-0.2%
18.5%	6,373	6,451	78	1.2%
19.8%	6,341	6,310	-31	-0.5%
21.0%	5,383	5,405	22	0.4%
22.2%	5,212	5,210	-2	0.0%
23.5%	5,206	5,206	0	0.0%
24.7%	5,149	5,169	20	0.4%
25.9%	5,033	5,149	116	2.3%
27.2%	4,994	5,034	40	0.8%
28.4%	4,899	4,989	91	1.8%
29.6%	4,717	4,899	182	3.9%
30.9%	4,611	4,593	-18	-0.4%
32.1%	4,591	4,591	0	0.0%
33.3%	4,576	4,576	0	0.0%
34.6%	4,467	4,467	0	0.0%
35.8%	4,432	4,330	-102	-2.3%
37.0%	4,330	4,199	-131	-3.0%
38.3%	4,199	4,130	-69	-1.7%
39.5%	4,138	3,865	-273	-6.6%
40.7%	3,865	3,846	-19	-0.5%
42.0%	3,710	3,710	0	0.0%
43.2%	3,644	3,644	0	0.0%
44.4%	3,633	3,633	0	0.0%
45.7%	3,607	3,632	25	0.7%
46.9%	3,602	3,607	5	0.1%
48.1%	3,567	3,523	-44	-1.2%
49.4%	3,523	3,484	-39	-1.1%
50.6%	3,465	3,465	0	0.0%
51.9%	3,378	3,420	42	1.2%
53.1%	3,325	3,325	0	0.0%
54.3%	3,317	3,317	0	0.0%
55.6%	3,296	3,296	0	0.0%
56.8%	3,290	3,290	0	0.0%
58.0%	3,156	3,064	-92	-2.9%
59.3%	3,063	2,901	-163	-5.3%
60.5%	2,815	2,781	-34	-1.2%
61.7%	2,808	2,739	-70	-2.5%
63.0%	2,794	2,726	-68	-2.4%
64.2%	2,773	2,705	-67	-2.4%
65.4%	2,726	2,690	-36	-1.3%
66.7%	2,705	2,513	-193	-7.1%
67.9%	2,690	2,503	-187	-6.9%
69.1%	2,513	2,372	-140	-5.6%
70.4%	2,503	2,343	-160	-6.4%
71.6%	2,372	2,332	-40	-1.7%
72.8%	2,343	2,314	-29	-1.2%
74.1%	2,314	2,288	-26	-1.1%
75.3%	2,288	2,279	-9	-0.4%
76.5%	2,281	2,251	-31	-1.3%
77.8%	2,275	2,247	-28	-1.2%
79.0%	2,241	2,241	0	0.0%
80.2%	2,235	2,240	5	0.2%
81.5%	2,206	2,235	29	1.3%
82.7%	2,195	2,201	6	0.3%
84.0%	2,157	2,195	38	1.7%
85.2%	2,137	2,079	-58	-2.7%
86.4%	2,079	1,741	-338	-16.3%
87.7%	1,741	1,560	-181	-10.4%
88.9%	1,505	1,297	-207	-13.8%
90.1%	1,297	1,173	-124	-9.6%
91.4%	1,271	1,084	-187	-14.7%
92.6%	1,084	1,079	-5	-0.5%
93.8%	1,079	903	-176	-16.3%
95.1%	903	852	-51	-5.7%
96.3%	798	803	5	0.6%
97.5%	402	602	199	49.6%
98.8%	300	399	99	32.9%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	4,375	4,375	0	0.0%
2.5%	2,655	2,649	-6	-0.2%
3.7%	2,347	2,341	-6	-0.3%
4.9%	2,269	2,263	-6	-0.3%
6.2%	1,951	1,946	-6	-0.3%
7.4%	1,852	1,846	-6	-0.3%
8.6%	1,665	1,660	-6	-0.4%
9.9%	1,625	1,619	-6	-0.4%
11.1%	1,592	1,592	0	0.0%
12.3%	1,527	1,521	-6	-0.4%
13.6%	1,470	1,464	-6	-0.4%
14.8%	1,297	1,292	-5	-0.4%
16.0%	1,239	1,239	0	0.0%
17.3%	1,221	1,215	-6	-0.5%
18.5%	1,221	1,195	-26	-2.1%
19.8%	1,195	1,180	-15	-1.2%
21.0%	1,157	1,176	19	1.7%
22.2%	1,119	1,151	31	2.8%
23.5%	1,111	1,119	9	0.8%
24.7%	1,102	1,111	9	0.8%
25.9%	1,099	1,099	0	0.0%
27.2%	1,085	1,085	0	0.0%
28.4%	1,083	1,083	0	0.0%
29.6%	1,076	1,076	0	0.0%
30.9%	1,003	1,039	36	3.5%
32.1%	974	998	24	2.5%
33.3%	970	974	4	0.4%
34.6%	950	970	20	2.1%
35.8%	949	950	0	0.0%
37.0%	947	947	0	0.0%
38.3%	931	943	12	1.3%
39.5%	919	925	6	0.7%
40.7%	916	919	2	0.3%
42.0%	904	916	12	1.3%
43.2%	893	904	11	1.2%
44.4%	893	893	0	0.0%
45.7%	880	893	13	1.4%
46.9%	878	881	3	0.3%
48.1%	861	878	17	2.0%
49.4%	856	856	0	0.0%
50.6%	855	855	0	0.0%
51.9%	853	853	0	0.0%
53.1%	852	852	0	0.0%
54.3%	847	847	0	0.0%
55.6%	819	819	0	0.0%
56.8%	817	817	0	0.0%
58.0%	816	817	0	0.0%
59.3%	802	802	0	0.0%
60.5%	791	786	-4	-0.5%
61.7%	777	777	0	0.0%
63.0%	766	766	0	0.0%
64.2%	764	765	0	0.0%
65.4%	750	751	1	0.2%
66.7%	734	733	-1	-0.1%
67.9%	724	700	-24	-3.3%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	300	698	398	132.7%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	174	-126	-41.9%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	6,177	6,177	0	0.0%
3.7%	4,356	4,356	0	0.0%
4.9%	2,373	2,364	-9	-0.4%
6.2%	2,265	2,256	-9	-0.4%
7.4%	2,102	2,093	-8	-0.4%
8.6%	1,825	1,817	-9	-0.5%
9.9%	1,711	1,702	-9	-0.5%
11.1%	1,424	1,415	-9	-0.6%
12.3%	1,389	1,380	-9	-0.6%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,273	-1	-0.1%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	0	0.0%
19.8%	1,133	1,087	-46	-4.1%
21.0%	1,064	1,065	0	0.0%
22.2%	1,044	1,036	-8	-0.8%
23.5%	990	990	0	0.0%
24.7%	984	982	-2	-0.2%
25.9%	982	976	-6	-0.6%
27.2%	967	967	0	0.0%
28.4%	959	960	0	0.0%
29.6%	943	942	0	0.0%
30.9%	916	917	1	0.1%
32.1%	905	904	-1	-0.1%
33.3%	890	890	0	0.0%
34.6%	885	888	3	0.3%
35.8%	885	885	1	0.1%
37.0%	855	885	29	3.4%
38.3%	835	851	16	1.9%
39.5%	815	835	20	2.4%
40.7%	804	815	11	1.3%
42.0%	793	811	17	2.2%
43.2%	770	799	30	3.9%
44.4%	764	793	29	3.8%
45.7%	754	770	15	2.0%
46.9%	752	764	12	1.6%
48.1%	714	756	42	5.9%
49.4%	711	751	40	5.6%
50.6%	710	737	27	3.8%
51.9%	703	714	12	1.6%
53.1%	700	711	11	1.6%
54.3%	700	711	11	1.5%
55.6%	700	702	2	0.4%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	678	700	22	3.2%
96.3%	599	700	101	16.9%
97.5%	360	700	340	94.3%
98.8%	300	700	400	133.3%
100.0%	300	603	303	100.9%

Table SW-38-3b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,357	6,317	-40	-0.6%
6.2%	6,257	6,256	-1	0.0%
7.4%	6,033	5,992	-40	-0.7%
8.6%	5,234	5,194	-40	-0.8%
9.9%	5,149	5,180	31	0.6%
11.1%	4,712	4,681	-31	-0.7%
12.3%	4,708	4,316	-392	-8.3%
13.6%	4,233	4,134	-99	-2.3%
14.8%	4,171	3,953	-219	-5.2%
16.0%	3,965	3,901	-64	-1.6%
17.3%	3,953	3,847	-106	-2.7%
18.5%	3,901	3,832	-69	-1.8%
19.8%	3,847	3,782	-64	-1.7%
21.0%	3,782	3,561	-221	-5.9%
22.2%	3,645	3,476	-170	-4.7%
23.5%	3,561	3,416	-145	-4.1%
24.7%	3,476	3,409	-67	-1.9%
25.9%	3,378	3,378	0	0.0%
27.2%	3,325	3,137	-187	-5.6%
28.4%	3,129	3,078	-51	-1.6%
29.6%	2,877	2,877	0	0.0%
30.9%	2,873	2,873	0	0.0%
32.1%	2,849	2,852	3	0.1%
33.3%	2,789	2,843	55	2.0%
34.6%	2,675	2,832	157	5.9%
35.8%	2,638	2,813	176	6.7%
37.0%	2,606	2,789	183	7.0%
38.3%	2,595	2,734	138	5.3%
39.5%	2,523	2,721	198	7.8%
40.7%	2,466	2,638	172	7.0%
42.0%	2,464	2,631	167	6.8%
43.2%	2,400	2,619	219	9.1%
44.4%	2,348	2,495	147	6.3%
45.7%	2,322	2,464	142	6.1%
46.9%	2,238	2,348	110	4.9%
48.1%	2,041	2,332	292	14.3%
49.4%	1,969	2,330	361	18.3%
50.6%	1,928	2,055	127	6.6%
51.9%	1,858	2,039	181	9.7%
53.1%	1,837	1,953	116	6.3%
54.3%	1,827	1,928	100	5.5%
55.6%	1,826	1,872	46	2.5%
56.8%	1,746	1,863	117	6.7%
58.0%	1,723	1,858	135	7.8%
59.3%	1,677	1,850	173	10.3%
60.5%	1,668	1,850	182	10.9%
61.7%	1,667	1,841	174	10.4%
63.0%	1,666	1,837	171	10.3%
64.2%	1,665	1,734	69	4.1%
65.4%	1,653	1,723	70	4.2%
66.7%	1,651	1,691	40	2.4%
67.9%	1,640	1,678	38	2.3%
69.1%	1,610	1,668	57	3.6%
70.4%	1,599	1,666	67	4.2%
71.6%	1,595	1,653	59	3.7%
72.8%	1,506	1,650	145	9.6%
74.1%	1,442	1,648	207	14.3%
75.3%	1,416	1,640	224	15.8%
76.5%	1,320	1,610	290	22.0%
77.8%	1,206	1,595	388	32.2%
79.0%	1,153	1,506	353	30.6%
80.2%	1,080	892	-188	-17.4%
81.5%	892	892	0	0.0%
82.7%	892	892	0	0.0%
84.0%	892	885	-7	-0.8%
85.2%	892	880	-12	-1.4%
86.4%	886	856	-29	-3.3%
87.7%	880	851	-29	-3.2%
88.9%	851	851	0	0.0%
90.1%	846	846	0	0.0%
91.4%	846	846	0	0.0%
92.6%	844	844	0	0.0%
93.8%	840	840	0	0.0%
95.1%	840	840	0	0.0%
96.3%	733	840	106	14.5%
97.5%	680	819	140	20.5%
98.8%	558	733	175	31.4%
100.0%	455	680	225	49.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,115	-65	-0.9%
2.5%	7,115	7,092	-23	-0.3%
3.7%	7,092	7,092	0	0.0%
4.9%	7,077	7,077	0	0.0%
6.2%	7,073	7,026	-47	-0.7%
7.4%	7,030	7,012	-18	-0.3%
8.6%	7,005	7,005	0	0.0%
9.9%	7,005	7,005	0	0.0%
11.1%	7,005	7,005	0	0.0%
12.3%	7,005	7,005	0	0.0%
13.6%	7,005	7,005	0	0.0%
14.8%	7,005	7,005	0	0.0%
16.0%	7,005	7,005	0	0.0%
17.3%	7,005	7,005	0	0.0%
18.5%	7,005	7,005	0	0.0%
19.8%	7,005	7,005	0	0.0%
21.0%	7,005	7,005	0	0.0%
22.2%	7,005	7,005	0	0.0%
23.5%	7,005	7,005	0	0.0%
24.7%	7,005	7,005	0	0.0%
25.9%	7,005	7,005	0	0.0%
27.2%	7,005	7,005	0	0.0%
28.4%	7,005	7,005	0	0.0%
29.6%	7,005	7,005	0	0.0%
30.9%	7,005	7,005	0	0.0%
32.1%	7,005	7,005	0	0.0%
33.3%	7,005	7,005	0	0.0%
34.6%	7,005	7,005	0	0.0%
35.8%	7,005	7,005	0	0.0%
37.0%	7,005	7,005	0	0.0%
38.3%	7,005	7,005	0	0.0%
39.5%	7,005	7,005	0	0.0%
40.7%	7,002	7,005	3	0.0%
42.0%	6,994	6,977	-17	-0.2%
43.2%	6,983	6,970	-13	-0.2%
44.4%	6,976	6,966	-11	-0.2%
45.7%	6,972	6,929	-44	-0.6%
46.9%	6,970	6,929	-41	-0.6%
48.1%	6,929	6,929	0	0.0%
49.4%	6,929	6,915	-14	-0.2%
50.6%	6,929	6,915	-14	-0.2%
51.9%	6,929	6,915	-14	-0.2%
53.1%	6,915	6,915	0	0.0%
54.3%	6,915	6,915	0	0.0%
55.6%	6,915	6,915	0	0.0%
56.8%	6,915	6,907	-8	-0.1%
58.0%	6,915	6,901	-14	-0.2%
59.3%	6,852	6,870	18	0.3%
60.5%	6,843	6,843	0	0.0%
61.7%	6,841	6,835	-6	-0.1%
63.0%	6,829	6,829	0	0.0%
64.2%	6,781	6,804	23	0.3%
65.4%	6,764	6,787	22	0.3%
66.7%	6,763	6,781	18	0.3%
67.9%	6,736	6,744	9	0.1%
69.1%	6,731	6,734	2	0.0%
70.4%	6,713	6,681	-32	-0.5%
71.6%	6,690	6,680	-10	-0.1%
72.8%	6,680	6,680	0	0.0%
74.1%	6,680	6,680	0	0.0%
75.3%	6,680	6,655	-25	-0.4%
76.5%	6,643	6,643	0	0.0%
77.8%	6,614	6,615	0	0.0%
79.0%	6,602	6,479	-123	-1.9%
80.2%	6,485	6,427	-59	-0.9%
81.5%	6,456	6,314	-142	-2.2%
82.7%	6,410	6,132	-278	-4.3%
84.0%	6,406	5,987	-419	-6.5%
85.2%	6,278	5,934	-344	-5.5%
86.4%	6,226	5,896	-330	-5.3%
87.7%	6,104	5,859	-244	-4.0%
88.9%	5,987	5,845	-142	-2.4%
90.1%	5,954	5,704	-250	-4.2%
91.4%	5,906	5,411	-496	-8.4%
92.6%	5,651	5,397	-253	-4.5%
93.8%	5,118	5,120	2	0.0%
95.1%	4,589	5,083	494	10.8%
96.3%	4,035	4,764	729	18.1%
97.5%	3,026	3,594	568	18.8%
98.8%	635	1,530	896	141.2%
100.0%	459	1,231	772	168.0%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,180	0	0.0%
2.5%	7,180	7,180	0	0.0%
3.7%	7,180	7,180	0	0.0%
4.9%	7,180	7,180	0	0.0%
6.2%	7,180	7,180	0	0.0%
7.4%	7,180	7,180	0	0.0%
8.6%	7,180	7,180	0	0.0%
9.9%	7,180	7,180	0	0.0%
11.1%	7,180	7,180	0	0.0%
12.3%	7,180	7,180	0	0.0%
13.6%	7,180	7,180	0	0.0%
14.8%	7,180	7,180	0	0.0%
16.0%	7,180	7,180	0	0.0%
17.3%	7,180	7,180	0	0.0%
18.5%	7,180	7,180	0	0.0%
19.8%	7,180	7,180	0	0.0%
21.0%	7,180	7,180	0	0.0%
22.2%	7,180	7,180	0	0.0%
23.5%	7,180	7,180	0	0.0%
24.7%	7,180	7,180	0	0.0%
25.9%	7,180	7,180	0	0.0%
27.2%	7,180	7,180	0	0.0%
28.4%	7,180	7,180	0	0.0%
29.6%	7,180	7,180	0	0.0%
30.9%	7,180	7,180	0	0.0%
32.1%	7,180	7,180	0	0.0%
33.3%	7,180	7,180	0	0.0%
34.6%	7,180	7,180	0	0.0%
35.8%	7,180	7,180	0	0.0%
37.0%	7,180	7,180	0	0.0%
38.3%	7,180	7,180	0	0.0%
39.5%	7,180	7,180	0	0.0%
40.7%	7,180	7,180	0	0.0%
42.0%	7,180	7,180	0	0.0%
43.2%	7,080	7,180	100	1.4%
44.4%	7,030	7,161	131	1.9%
45.7%	7,030	7,156	126	1.8%
46.9%	7,027	7,086	59	0.8%
48.1%	7,020	7,080	60	0.9%
49.4%	6,980	7,080	99	1.4%
50.6%	6,980	7,058	78	1.1%
51.9%	6,972	7,030	58	0.8%
53.1%	6,971	7,027	56	0.8%
54.3%	6,948	7,026	78	1.1%
55.6%	6,934	6,980	46	0.7%
56.8%	6,906	6,975	69	1.0%
58.0%	6,874	6,930	56	0.8%
59.3%	6,836	6,930	94	1.4%
60.5%	6,830	6,930	100	1.5%
61.7%	6,806	6,930	124	1.8%
63.0%	6,795	6,923	128	1.9%
64.2%	6,772	6,858	86	1.3%
65.4%	6,767	6,830	63	0.9%
66.7%	6,721	6,759	38	0.6%
67.9%	6,691	6,681	-10	-0.1%
69.1%	6,680	6,680	0	0.0%
70.4%	6,660	6,556	-104	-1.6%
71.6%	6,603	6,427	-176	-2.7%
72.8%	6,555	6,352	-202	-3.1%
74.1%	6,429	6,306	-122	-1.9%
75.3%	6,180	6,084	-95	-1.5%
76.5%	5,937	6,021	84	1.4%
77.8%	5,696	5,974	278	4.9%
79.0%	5,436	5,861	425	7.8%
80.2%	5,383	5,543	161	3.0%
81.5%	5,295	5,426	132	2.5%
82.7%	4,955	5,211	256	5.2%
84.0%	4,622	5,064	441	9.5%
85.2%	4,520	5,009	489	10.8%
86.4%	3,418	4,979	1,562	45.7%
87.7%	1,261	4,674	3,413	270.7%
88.9%	928	4,112	3,184	343.0%
90.1%	636	3,776	3,141	494.0%
91.4%	394	3,452	3,058	776.4%
92.6%	341	3,293	2,952	866.4%
93.8%	300	2,820	2,520	839.9%
95.1%	300	2,671	2,371	790.5%
96.3%	300	2,595	2,295	765.0%
97.5%	300	1,004	704	234.6%
98.8%	300	815	515	171.7%
100.0%	300	379	79	26.3%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative A Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,659	6,680	21	0.3%
19.8%	6,635	6,680	45	0.7%
21.0%	6,624	6,680	56	0.8%
22.2%	6,619	6,680	61	0.9%
23.5%	6,613	6,680	67	1.0%
24.7%	6,391	6,680	289	4.5%
25.9%	6,388	6,680	292	4.6%
27.2%	6,372	6,680	308	4.8%
28.4%	6,172	6,680	508	8.2%
29.6%	6,138	6,680	542	8.8%
30.9%	6,075	6,680	605	10.0%
32.1%	5,965	6,680	715	12.0%
33.3%	5,803	6,680	877	15.1%
34.6%	5,732	6,624	892	15.6%
35.8%	5,723	6,575	851	14.9%
37.0%	5,680	6,573	894	15.7%
38.3%	5,451	6,541	1,090	20.0%
39.5%	5,426	6,512	1,086	20.0%
40.7%	5,422	6,496	1,074	19.8%
42.0%	5,347	6,319	972	18.2%
43.2%	5,268	6,214	946	18.0%
44.4%	5,158	5,958	799	15.5%
45.7%	5,009	5,952	943	18.8%
46.9%	4,939	5,914	975	19.7%
48.1%	4,840	5,673	834	17.2%
49.4%	4,801	5,646	845	17.6%
50.6%	4,800	5,584	784	16.3%
51.9%	4,792	5,548	756	15.8%
53.1%	4,773	5,499	726	15.2%
54.3%	4,750	5,458	709	14.9%
55.6%	4,717	5,414	697	14.8%
56.8%	4,633	5,413	780	16.8%
58.0%	4,613	5,327	713	15.5%
59.3%	4,597	5,294	697	15.2%
60.5%	4,531	5,179	647	14.3%
61.7%	4,524	5,174	650	14.4%
63.0%	4,502	5,132	630	14.0%
64.2%	4,500	5,116	616	13.7%
65.4%	4,443	5,098	655	14.8%
66.7%	4,410	5,027	618	14.0%
67.9%	4,383	4,975	593	13.5%
69.1%	4,340	4,870	529	12.2%
70.4%	4,330	4,834	505	11.7%
71.6%	4,298	4,802	504	11.7%
72.8%	4,184	4,641	456	10.9%
74.1%	4,151	4,637	486	11.7%
75.3%	4,145	4,614	469	11.3%
76.5%	4,091	4,592	501	12.3%
77.8%	3,972	4,582	609	15.3%
79.0%	3,740	4,556	816	21.8%
80.2%	3,595	4,529	934	26.0%
81.5%	3,591	4,523	932	25.9%
82.7%	3,550	4,422	872	24.6%
84.0%	3,241	4,298	1,057	32.6%
85.2%	2,986	4,258	1,272	42.6%
86.4%	2,649	4,069	1,420	53.6%
87.7%	2,499	3,968	1,470	58.8%
88.9%	2,129	3,740	1,611	75.6%
90.1%	2,093	3,713	1,619	77.4%
91.4%	1,877	3,675	1,797	95.7%
92.6%	1,877	3,471	1,594	84.9%
93.8%	1,862	2,681	819	44.0%
95.1%	1,763	2,633	869	49.3%
96.3%	1,613	2,001	389	24.1%
97.5%	1,600	1,845	245	15.3%
98.8%	1,375	1,759	384	27.9%
100.0%	943	1,600	657	69.7%

Table SW-41-3a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	653	784	1,113	1,328	1,477	1,572	1,332	992	668	583	513	584
Alternative A	687	853	1,173	1,383	1,523	1,596	1,347	994	652	554	490	590
Difference	33	69	60	55	46	24	16	2	-16	-29	-24	7
Percent Difference[3]	5.1%	8.8%	5.4%	4.1%	3.1%	1.5%	1.2%	0.2%	-2.4%	-5.0%	-4.6%	1.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	766	797	1,124	1,407	1,600	1,772	1,510	1,168	893	743	661	741
Alternative A	879	932	1,272	1,476	1,642	1,794	1,532	1,184	898	738	642	771
Difference	113	134	148	69	42	23	23	16	5	-5	-19	30
Percent Difference	14.8%	16.9%	13.2%	4.9%	2.7%	1.3%	1.5%	1.4%	0.5%	-0.7%	-2.9%	4.0%
Above Normal (15%)												
No Action Alternative	616	701	1,052	1,265	1,400	1,544	1,265	874	587	463	433	528
Alternative A	706	874	1,217	1,323	1,442	1,575	1,299	906	599	496	447	585
Difference	91	173	166	58	41	31	33	32	11	33	14	57
Percent Difference	14.7%	24.7%	15.8%	4.6%	2.9%	2.0%	2.6%	3.6%	1.9%	7.1%	3.2%	10.8%
Below Normal (17%)												
No Action Alternative	651	932	1,265	1,329	1,459	1,541	1,278	894	519	464	417	517
Alternative A	737	1,045	1,389	1,382	1,515	1,594	1,321	931	544	492	448	574
Difference	86	113	124	53	56	53	43	37	25	29	32	57
Percent Difference	13.2%	12.1%	9.8%	4.0%	3.9%	3.4%	3.4%	4.1%	4.8%	6.2%	7.6%	11.0%
Dry (22%)												
No Action Alternative	587	792	1,088	1,358	1,487	1,508	1,269	916	507	492	455	511
Alternative A	490	730	1,018	1,418	1,532	1,511	1,260	879	445	388	368	430
Difference	-97	-62	-70	60	45	3	-9	-37	-62	-104	-87	-81
Percent Difference	-16.5%	-7.8%	-6.4%	4.4%	3.0%	0.2%	-0.7%	-4.0%	-12.2%	-21.1%	-19.1%	-15.8%
Critical (15%)												
No Action Alternative	548	654	1,010	1,177	1,291	1,300	1,169	959	673	631	472	484
Alternative A	486	624	893	1,191	1,339	1,316	1,158	917	608	534	432	462
Difference	-62	-30	-117	14	48	16	-11	-43	-65	-98	-40	-22
Percent Difference	-11.3%	-4.6%	-11.6%	1.2%	3.7%	1.2%	-1.0%	-4.4%	-9.7%	-15.5%	-8.5%	-4.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

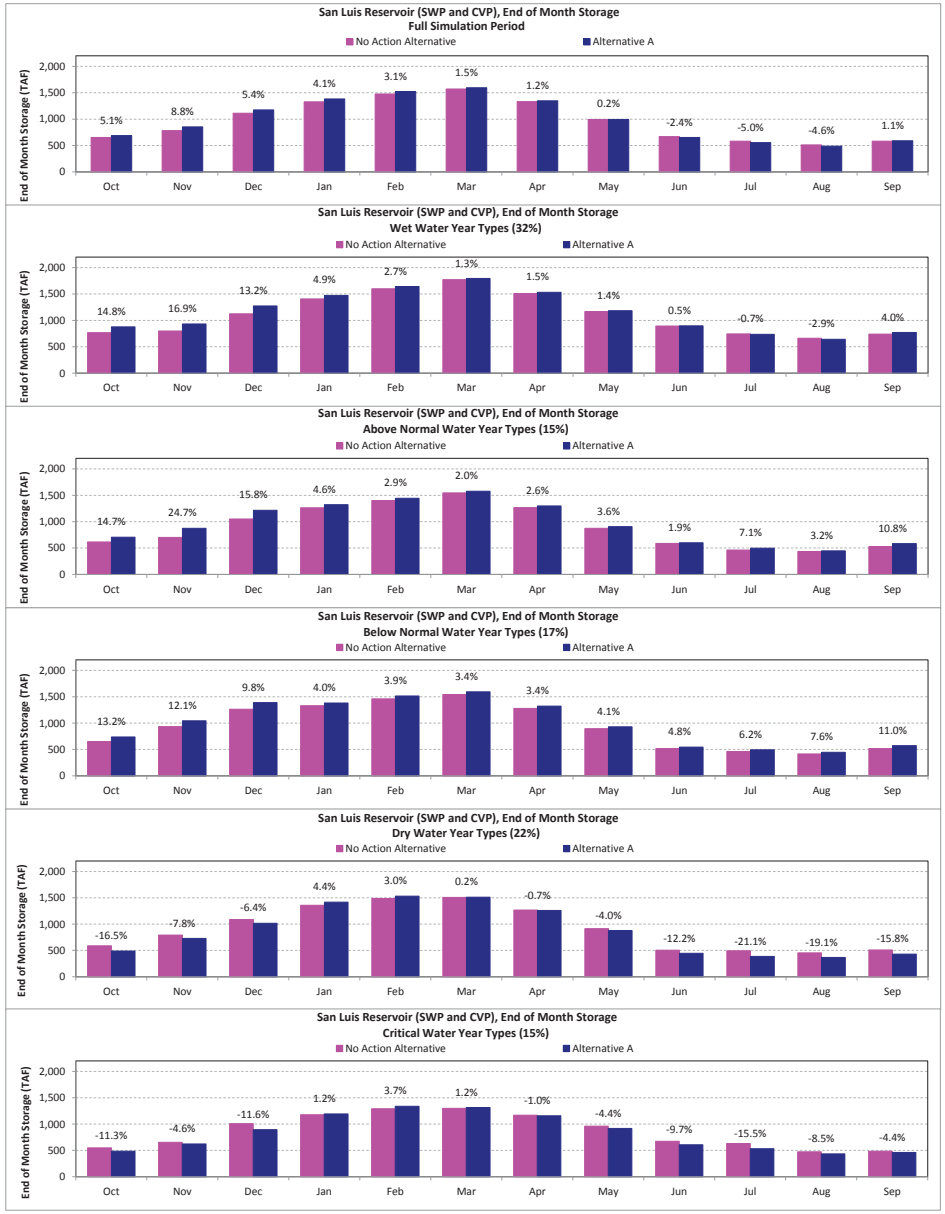


Figure SW-41-3b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

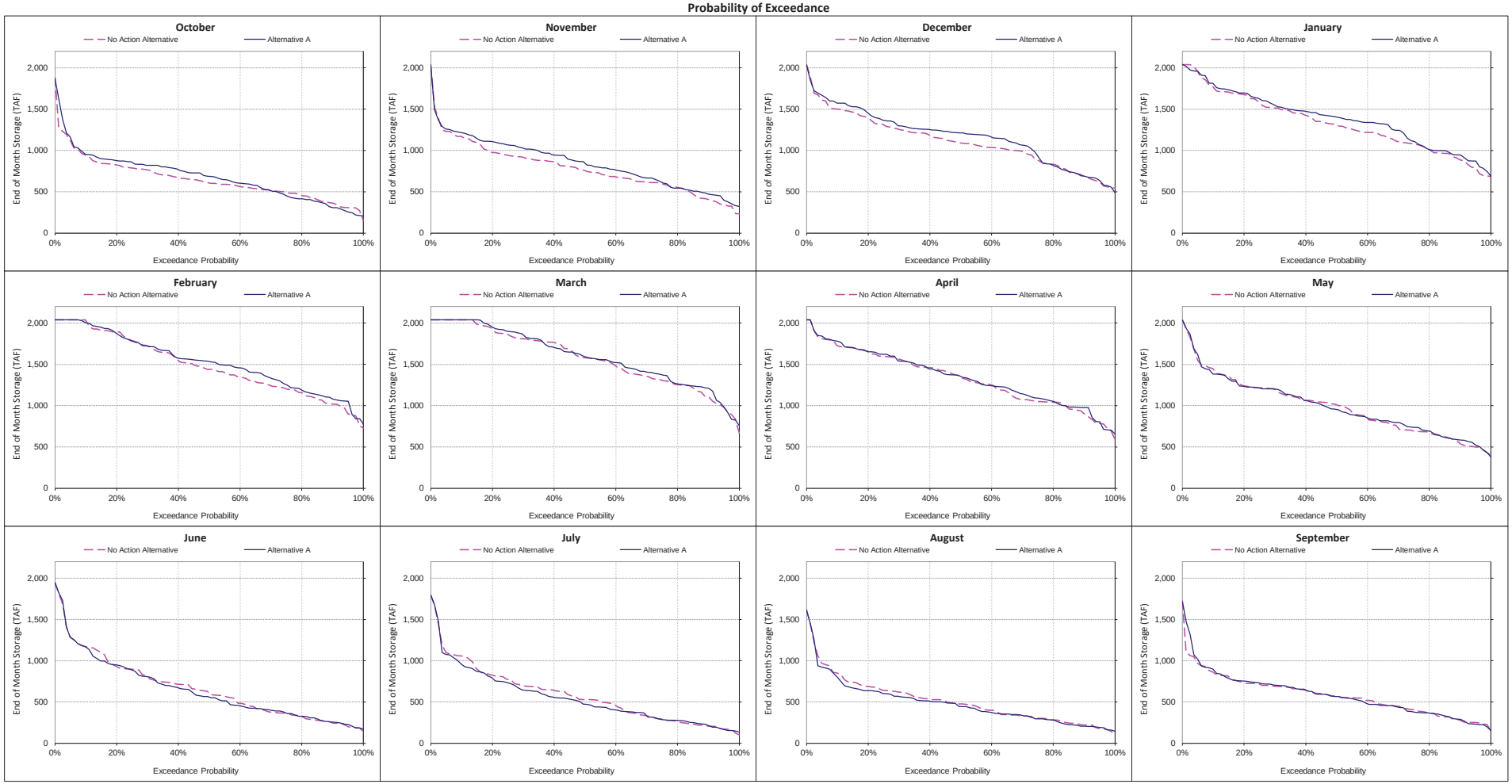


Table SW-41-3b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,884	1,870	-15	-0.8%
1.2%	1,270	1,626	355	28.0%
2.5%	1,232	1,378	145	11.8%
3.7%	1,195	1,213	18	1.5%
4.9%	1,121	1,165	44	3.9%
6.2%	1,029	1,043	14	1.3%
7.4%	1,021	1,031	11	1.1%
8.6%	963	991	28	3.0%
9.9%	942	951	9	1.0%
11.1%	923	949	27	2.9%
12.3%	876	944	68	7.8%
13.6%	859	918	59	6.8%
14.8%	843	900	57	6.8%
16.0%	842	897	55	6.5%
17.3%	837	890	53	6.3%
18.5%	834	888	54	6.5%
19.8%	826	878	53	6.4%
21.0%	816	872	57	6.9%
22.2%	798	871	73	9.1%
23.5%	795	865	69	8.7%
24.7%	788	864	75	9.6%
25.9%	784	836	52	6.6%
27.2%	775	832	57	7.3%
28.4%	774	831	57	7.4%
29.6%	769	821	52	6.7%
30.9%	758	820	62	8.2%
32.1%	733	820	87	11.9%
33.3%	715	819	105	14.6%
34.6%	707	803	96	13.5%
35.8%	700	801	101	14.4%
37.0%	699	793	94	13.5%
38.3%	684	786	102	15.0%
39.5%	676	778	102	15.1%
40.7%	664	755	91	13.7%
42.0%	661	745	85	12.8%
43.2%	654	733	79	12.1%
44.4%	651	727	75	11.6%
45.7%	646	727	80	12.5%
46.9%	636	726	91	14.3%
48.1%	623	697	75	12.0%
49.4%	612	688	76	12.5%
50.6%	603	684	81	13.5%
51.9%	602	678	76	12.7%
53.1%	591	661	70	11.9%
54.3%	589	649	60	10.1%
55.6%	589	645	57	9.6%
56.8%	586	633	47	8.0%
58.0%	584	615	31	5.2%
59.3%	567	604	37	6.4%
60.5%	559	601	42	7.5%
61.7%	555	597	42	7.5%
63.0%	550	594	44	8.0%
64.2%	540	581	41	7.5%
65.4%	536	576	40	7.4%
66.7%	528	551	23	4.3%
67.9%	526	527	1	0.2%
69.1%	523	526	3	0.6%
70.4%	513	506	-7	-1.3%
71.6%	506	503	-3	-0.6%
72.8%	504	486	-18	-3.5%
74.1%	502	471	-31	-6.1%
75.3%	485	445	-40	-8.3%
76.5%	484	431	-53	-10.9%
77.8%	481	422	-59	-12.3%
79.0%	469	415	-54	-11.5%
80.2%	451	414	-37	-8.2%
81.5%	448	406	-41	-9.2%
82.7%	429	406	-23	-5.4%
84.0%	423	387	-36	-8.5%
85.2%	403	381	-22	-5.4%
86.4%	385	370	-15	-4.0%
87.7%	382	358	-24	-6.4%
88.9%	370	320	-50	-13.4%
90.1%	363	307	-56	-15.3%
91.4%	344	306	-38	-10.9%
92.6%	318	291	-27	-8.5%
93.8%	311	273	-38	-12.3%
95.1%	307	254	-53	-17.2%
96.3%	306	246	-60	-19.6%
97.5%	305	219	-87	-28.4%
98.8%	271	213	-58	-21.4%
100.0%	151	206	55	36.6%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,525	1,492	-32	-2.1%
2.5%	1,391	1,370	-21	-1.5%
3.7%	1,250	1,290	40	3.2%
4.9%	1,232	1,260	28	2.2%
6.2%	1,230	1,253	23	1.8%
7.4%	1,192	1,235	43	3.6%
8.6%	1,171	1,226	55	4.7%
9.9%	1,170	1,216	46	3.9%
11.1%	1,145	1,208	63	5.5%
12.3%	1,141	1,189	49	4.3%
13.6%	1,108	1,180	71	6.4%
14.8%	1,096	1,148	52	4.7%
16.0%	1,073	1,121	47	4.4%
17.3%	1,017	1,113	97	9.5%
18.5%	1,003	1,111	109	10.8%
19.8%	975	1,110	134	13.8%
21.0%	973	1,100	127	13.0%
22.2%	963	1,087	124	12.9%
23.5%	949	1,081	132	13.9%
24.7%	947	1,068	121	12.8%
25.9%	935	1,064	129	13.8%
27.2%	931	1,059	128	13.7%
28.4%	925	1,043	118	12.8%
29.6%	921	1,031	111	12.0%
30.9%	905	1,017	112	12.4%
32.1%	903	1,016	113	12.5%
33.3%	888	1,010	122	13.8%
34.6%	880	1,002	122	13.8%
35.8%	879	976	96	11.0%
37.0%	877	967	89	10.2%
38.3%	869	966	98	11.2%
39.5%	865	946	81	9.3%
40.7%	859	944	85	9.9%
42.0%	815	941	126	15.4%
43.2%	814	940	126	15.5%
44.4%	804	892	88	11.0%
45.7%	802	885	83	10.4%
46.9%	796	873	77	9.7%
48.1%	768	866	97	12.7%
49.4%	765	866	100	13.1%
50.6%	748	822	74	10.0%
51.9%	737	819	82	11.1%
53.1%	732	803	71	9.7%
54.3%	732	799	66	9.1%
55.6%	707	791	84	11.9%
56.8%	704	790	86	12.2%
58.0%	686	774	88	12.9%
59.3%	684	772	89	13.0%
60.5%	675	758	83	12.2%
61.7%	671	750	78	11.7%
63.0%	663	743	79	12.0%
64.2%	660	730	70	10.6%
65.4%	645	717	72	11.2%
66.7%	625	700	75	11.9%
67.9%	624	683	59	9.5%
69.1%	619	669	50	8.1%
70.4%	614	668	55	8.9%
71.6%	611	667	56	9.2%
72.8%	610	649	39	6.4%
74.1%	607	630	23	3.8%
75.3%	594	604	11	1.8%
76.5%	582	597	15	2.6%
77.8%	562	554	-8	-1.5%
79.0%	561	543	-19	-3.3%
80.2%	549	542	-6	-1.2%
81.5%	542	540	-2	-0.3%
82.7%	526	527	1	0.2%
84.0%	501	518	17	3.5%
85.2%	468	508	40	8.5%
86.4%	434	506	71	16.5%
87.7%	419	494	74	17.7%
88.9%	418	487	69	16.5%
90.1%	405	470	66	16.2%
91.4%	392	464	72	18.4%
92.6%	379	458	79	21.0%
93.8%	351	451	99	28.3%
95.1%	347	396	49	14.1%
96.3%	328	379	51	15.5%
97.5%	327	355	28	8.6%
98.8%	237	331	95	40.0%
100.0%	233	322	89	38.4%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,889	1,853	-36	-1.9%
2.5%	1,692	1,724	32	1.9%
3.7%	1,673	1,694	22	1.3%
4.9%	1,611	1,669	59	3.6%
6.2%	1,599	1,640	41	2.6%
7.4%	1,518	1,600	82	5.4%
8.6%	1,505	1,596	91	6.1%
9.9%	1,502	1,574	72	4.8%
11.1%	1,498	1,573	75	5.0%
12.3%	1,483	1,571	88	5.9%
13.6%	1,476	1,543	67	4.5%
14.8%	1,465	1,531	66	4.5%
16.0%	1,463	1,530	67	4.6%
17.3%	1,422	1,518	96	6.8%
18.5%	1,412	1,495	83	5.8%
19.8%	1,400	1,456	56	4.0%
21.0%	1,363	1,420	57	4.2%
22.2%	1,328	1,399	71	5.3%
23.5%	1,319	1,389	70	5.3%
24.7%	1,317	1,366	48	3.7%
25.9%	1,291	1,358	67	5.2%
27.2%	1,283	1,358	74	5.8%
28.4%	1,271	1,341	70	5.5%
29.6%	1,260	1,300	40	3.2%
30.9%	1,246	1,298	52	4.2%
32.1%	1,244	1,286	42	3.4%
33.3%	1,226	1,276	50	4.1%
34.6%	1,216	1,265	49	4.0%
35.8%	1,214	1,263	50	4.1%
37.0%	1,212	1,260	48	4.0%
38.3%	1,209	1,257	49	4.0%
39.5%	1,193	1,256	63	5.3%
40.7%	1,161	1,247	86	7.4%
42.0%	1,154	1,246	93	8.1%
43.2%	1,150	1,242	92	8.0%
44.4%	1,144	1,233	89	7.8%
45.7%	1,122	1,231	109	9.7%
46.9%	1,115	1,220	105	9.5%
48.1%	1,106	1,216	109	9.9%
49.4%	1,093	1,214	121	11.1%
50.6%	1,087	1,213	125	11.5%
51.9%	1,085	1,200	115	10.6%
53.1%	1,083	1,198	115	10.6%
54.3%	1,072	1,196	124	11.6%
55.6%	1,059	1,193	134	12.7%
56.8%	1,049	1,189	140	13.4%
58.0%	1,039	1,186	147	14.2%
59.3%	1,038	1,175	137	13.2%
60.5%	1,035	1,151	116	11.2%
61.7%	1,033	1,149	117	11.3%
63.0%	1,027	1,147	120	11.7%
64.2%	1,019	1,141	122	12.0%
65.4%	1,007	1,112	106	10.5%
66.7%	1,002	1,099	97	9.6%
67.9%	1,000	1,090	90	9.0%
69.1%	994	1,068	74	7.4%
70.4%	987	1,064	77	7.8%
71.6%	957	1,055	98	10.3%
72.8%	947	1,021	74	7.8%
74.1%	897	979	82	9.1%
75.3%	874	912	38	4.3%
76.5%	849	847	-2	-0.2%
77.8%	840	840	0	0.0%
79.0%	837	837	0	0.0%
80.2%	832	813	-19	-2.3%
81.5%	815	799	-16	-2.0%
82.7%	787	770	-17	-2.2%
84.0%	773	759	-14	-1.8%
85.2%	737	745	8	1.1%
86.4%	724	734	9	1.3%
87.7%	719	721	2	0.3%
88.9%	710	695	-15	-2.0%
90.1%	684	688	3	0.5%
91.4%	666	676	11	1.6%
92.6%	649	673	24	3.7%
93.8%	633	665	32	5.1%
95.1%	618	634	17	2.7%
96.3%	570	580	11	1.8%
97.5%	559	576	16	2.9%
98.8%	546	557	11	2.0%
100.0%	545	487	-58	-10.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,017	-22	-1.1%
2.5%	2,039	1,974	-65	-3.2%
3.7%	2,019	1,961	-58	-2.9%
4.9%	1,958	1,960	3	0.1%
6.2%	1,875	1,909	34	1.8%
7.4%	1,857	1,904	47	2.5%
8.6%	1,792	1,815	23	1.3%
9.9%	1,772	1,814	41	2.3%
11.1%	1,721	1,759	37	2.2%
12.3%	1,712	1,746	34	2.0%
13.6%	1,712	1,743	31	1.8%
14.8%	1,708	1,734	26	1.5%
16.0%	1,695	1,724	29	1.7%
17.3%	1,690	1,711	21	1.3%
18.5%	1,686	1,696	10	0.6%
19.8%	1,676	1,696	20	1.2%
21.0%	1,671	1,691	20	1.2%
22.2%	1,629	1,656	27	1.7%
23.5%	1,626	1,640	14	0.9%
24.7%	1,591	1,632	41	2.6%
25.9%	1,545	1,602	58	3.7%
27.2%	1,523	1,600	77	5.0%
28.4%	1,521	1,574	53	3.5%
29.6%	1,514	1,553	39	2.6%
30.9%	1,514	1,529	16	1.0%
32.1%	1,492	1,523	31	2.1%
33.3%	1,491	1,509	18	1.2%
34.6%	1,484	1,500	17	1.1%
35.8%	1,457	1,493	36	2.5%
37.0%	1,452	1,484	32	2.2%
38.3%	1,452	1,479	27	1.9%
39.5%	1,430	1,477	47	3.3%
40.7%	1,416	1,469	53	3.7%
42.0%	1,391	1,458	67	4.8%
43.2%	1,352	1,458	106	7.8%
44.4%	1,350	1,435	85	6.3%
45.7%	1,339	1,429	90	6.7%
46.9%	1,330	1,422	92	6.9%
48.1%	1,320	1,416	96	7.3%
49.4%	1,320	1,410	91	6.9%
50.6%	1,295	1,400	105	8.1%
51.9%	1,293	1,388	95	7.4%
53.1%	1,275	1,377	102	8.0%
54.3%	1,264	1,375	111	8.8%
55.6%	1,250	1,360	111	8.9%
56.8%	1,239	1,359	120	9.7%
58.0%	1,224	1,347	123	10.0%
59.3%	1,218	1,340	122	10.0%
60.5%	1,218	1,339	122	10.0%
61.7%	1,218	1,339	121	9.9%
63.0%	1,212	1,330	118	9.8%
64.2%	1,184	1,323	139	11.8%
65.4%	1,177	1,322	145	12.3%
66.7%	1,155	1,313	158	13.7%
67.9%	1,144	1,255	111	9.7%
69.1%	1,113	1,244	131	11.8%
70.4%	1,104	1,243	140	12.6%
71.6%	1,095	1,216	121	11.0%
72.8%	1,091	1,148	57	5.2%
74.1%	1,085	1,119	34	3.1%
75.3%	1,070	1,107	36	3.4%
76.5%	1,070	1,071	0	0.0%
77.8%	1,051	1,056	5	0.4%
79.0%	1,039	1,025	-14	-1.4%
80.2%	1,005	1,006	1	0.1%
81.5%	975	1,002	27	2.7%
82.7%	971	1,000	29	3.0%
84.0%	969	998	29	3.0%
85.2%	963	998	34	3.6%
86.4%	963	977	13	1.4%
87.7%	926	948	22	2.4%
88.9%	908	947	40	4.4%
90.1%	885	946	61	6.9%
91.4%	872	911	39	4.5%
92.6%	828	875	47	5.6%
93.8%	796	872	75	9.4%
95.1%	791	871	80	10.1%
96.3%	717	802	85	11.8%
97.5%	698	784	86	12.3%
98.8%	693	743	50	7.2%
100.0%	682	687	6	0.8%

Table SW-41-3b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,031	-8	-0.4%
9.9%	2,039	2,004	-35	-1.7%
11.1%	1,958	1,997	39	2.0%
12.3%	1,928	1,967	38	2.0%
13.6%	1,927	1,960	33	1.7%
14.8%	1,913	1,952	39	2.0%
16.0%	1,912	1,936	24	1.3%
17.3%	1,907	1,932	25	1.3%
18.5%	1,895	1,913	18	1.0%
19.8%	1,891	1,881	-11	-0.6%
21.0%	1,891	1,851	-40	-2.1%
22.2%	1,842	1,822	-19	-1.1%
23.5%	1,811	1,807	-4	-0.2%
24.7%	1,792	1,785	-7	-0.4%
25.9%	1,777	1,769	-8	-0.5%
27.2%	1,764	1,761	-3	-0.2%
28.4%	1,735	1,725	-10	-0.6%
29.6%	1,729	1,723	-6	-0.4%
30.9%	1,714	1,715	0	0.0%
32.1%	1,678	1,713	34	2.0%
33.3%	1,654	1,687	34	2.0%
34.6%	1,645	1,672	27	1.7%
35.8%	1,645	1,668	23	1.4%
37.0%	1,636	1,664	29	1.8%
38.3%	1,605	1,612	7	0.4%
39.5%	1,559	1,580	21	1.3%
40.7%	1,525	1,570	45	3.0%
42.0%	1,519	1,566	47	3.1%
43.2%	1,518	1,564	47	3.1%
44.4%	1,508	1,558	50	3.3%
45.7%	1,484	1,552	68	4.6%
46.9%	1,476	1,547	71	4.8%
48.1%	1,459	1,541	83	5.7%
49.4%	1,440	1,540	99	6.9%
50.6%	1,439	1,528	90	6.2%
51.9%	1,430	1,522	92	6.4%
53.1%	1,413	1,500	87	6.1%
54.3%	1,413	1,492	79	5.6%
55.6%	1,392	1,489	98	7.0%
56.8%	1,372	1,489	117	8.5%
58.0%	1,372	1,470	98	7.1%
59.3%	1,349	1,458	108	8.0%
60.5%	1,341	1,454	113	8.5%
61.7%	1,332	1,441	109	8.2%
63.0%	1,305	1,405	100	7.7%
64.2%	1,304	1,402	98	7.5%
65.4%	1,280	1,401	121	9.5%
66.7%	1,273	1,394	121	9.5%
67.9%	1,272	1,364	92	7.2%
69.1%	1,252	1,345	94	7.5%
70.4%	1,235	1,327	92	7.4%
71.6%	1,230	1,316	86	7.0%
72.8%	1,224	1,300	76	6.2%
74.1%	1,215	1,269	54	4.4%
75.3%	1,196	1,246	50	4.2%
76.5%	1,196	1,218	22	1.8%
77.8%	1,188	1,212	24	2.0%
79.0%	1,159	1,210	51	4.4%
80.2%	1,154	1,181	27	2.4%
81.5%	1,119	1,165	46	4.1%
82.7%	1,111	1,151	40	3.6%
84.0%	1,098	1,141	43	3.9%
85.2%	1,070	1,130	60	5.6%
86.4%	1,069	1,124	55	5.2%
87.7%	1,033	1,105	73	7.0%
88.9%	1,019	1,102	83	8.1%
90.1%	1,019	1,079	60	5.9%
91.4%	1,018	1,070	52	5.1%
92.6%	994	1,059	65	6.5%
93.8%	971	1,057	86	8.8%
95.1%	898	1,055	157	17.5%
96.3%	896	895	-2	-0.2%
97.5%	876	843	-33	-3.7%
98.8%	755	843	88	11.6%
100.0%	728	773	45	6.1%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	1,987	2,039	52	2.6%
16.0%	1,978	2,038	59	3.0%
17.3%	1,964	1,999	35	1.8%
18.5%	1,961	1,986	25	1.3%
19.8%	1,936	1,955	19	1.0%
21.0%	1,886	1,932	46	2.4%
22.2%	1,875	1,922	47	2.5%
23.5%	1,873	1,919	47	2.5%
24.7%	1,867	1,902	34	1.8%
25.9%	1,842	1,896	55	3.0%
27.2%	1,825	1,891	65	3.6%
28.4%	1,815	1,879	65	3.6%
29.6%	1,808	1,871	63	3.5%
30.9%	1,807	1,829	21	1.2%
32.1%	1,795	1,816	22	1.2%
33.3%	1,790	1,813	23	1.3%
34.6%	1,787	1,808	22	1.2%
35.8%	1,781	1,791	9	0.5%
37.0%	1,773	1,742	-31	-1.7%
38.3%	1,768	1,714	-54	-3.1%
39.5%	1,768	1,711	-57	-3.2%
40.7%	1,757	1,696	-61	-3.4%
42.0%	1,747	1,691	-56	-3.2%
43.2%	1,695	1,654	-40	-2.4%
44.4%	1,689	1,650	-39	-2.3%
45.7%	1,667	1,649	-18	-1.1%
46.9%	1,616	1,635	19	1.2%
48.1%	1,590	1,626	36	2.2%
49.4%	1,583	1,601	18	1.1%
50.6%	1,579	1,585	6	0.4%
51.9%	1,572	1,575	3	0.2%
53.1%	1,568	1,570	2	0.2%
54.3%	1,558	1,559	1	0.1%
55.6%	1,547	1,558	10	0.7%
56.8%	1,542	1,557	15	1.0%
58.0%	1,525	1,540	15	1.0%
59.3%	1,500	1,525	25	1.6%
60.5%	1,465	1,521	56	3.8%
61.7%	1,450	1,515	65	4.5%
63.0%	1,416	1,467	51	3.6%
64.2%	1,388	1,455	67	4.8%
65.4%	1,387	1,450	64	4.6%
66.7%	1,378	1,437	59	4.3%
67.9%	1,373	1,417	44	3.2%
69.1%	1,356	1,414	58	4.3%
70.4%	1,353	1,403	50	3.7%
71.6%	1,331	1,400	69	5.2%
72.8%	1,321	1,387	66	5.0%
74.1%	1,318	1,383	65	5.0%
75.3%	1,300	1,369	69	5.3%
76.5%	1,300	1,365	65	5.0%
77.8%	1,284	1,294	10	0.8%
79.0%	1,259	1,270	11	0.9%
80.2%	1,252	1,263	11	0.9%
81.5%	1,249	1,255	7	0.5%
82.7%	1,245	1,251	6	0.5%
84.0%	1,244	1,242	-2	-0.2%
85.2%	1,208	1,239	31	2.5%
86.4%	1,177	1,231	54	4.6%
87.7%	1,165	1,228	63	5.4%
88.9%	1,110	1,216	105	9.5%
90.1%	1,105	1,211	106	9.6%
91.4%	1,055	1,176	121	11.5%
92.6%	1,030	1,064	35	3.4%
93.8%	1,010	1,039	28	2.8%
95.1%	975	984	8	0.9%
96.3%	924	914	-10	-1.1%
97.5%	890	833	-57	-6.4%
98.8%	836	825	-11	-1.3%
100.0%	668	759	90	13.5%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	1,906	1,908	2	0.1%
3.7%	1,829	1,850	21	1.1%
4.9%	1,813	1,844	31	1.7%
6.2%	1,804	1,809	5	0.3%
7.4%	1,798	1,803	6	0.3%
8.6%	1,787	1,787	0	0.0%
9.9%	1,727	1,781	54	3.1%
11.1%	1,715	1,765	50	2.9%
12.3%	1,713	1,712	-1	0.0%
13.6%	1,705	1,707	2	0.1%
14.8%	1,700	1,704	4	0.2%
16.0%	1,695	1,689	-7	-0.4%
17.3%	1,682	1,678	-4	-0.2%
18.5%	1,668	1,676	8	0.5%
19.8%	1,661	1,652	-8	-0.5%
21.0%	1,626	1,652	26	1.6%
22.2%	1,623	1,647	23	1.4%
23.5%	1,601	1,625	24	1.5%
24.7%	1,597	1,622	25	1.6%
25.9%	1,593	1,621	28	1.8%
27.2%	1,590	1,601	12	0.7%
28.4%	1,584	1,600	17	1.1%
29.6%	1,567	1,541	-26	-1.7%
30.9%	1,554	1,540	-14	-0.9%
32.1%	1,537	1,534	-3	-0.2%
33.3%	1,529	1,526	-3	-0.2%
34.6%	1,494	1,516	22	1.5%
35.8%	1,470	1,494	25	1.7%
37.0%	1,469	1,490	20	1.4%
38.3%	1,464	1,481	17	1.2%
39.5%	1,463	1,445	-17	-1.2%
40.7%	1,459	1,443	-16	-1.1%
42.0%	1,450	1,427	-24	-1.6%
43.2%	1,427	1,416	-12	-0.8%
44.4%	1,424	1,386	-38	-2.7%
45.7%	1,410	1,377	-33	-2.3%
46.9%	1,390	1,372	-18	-1.3%
48.1%	1,371	1,372	1	0.1%
49.4%	1,366	1,363	-3	-0.3%
50.6%	1,330	1,341	11	0.9%
51.9%	1,320	1,337	18	1.3%
53.1%	1,294	1,317	23	1.8%
54.3%	1,287	1,303	16	1.2%
55.6%	1,273	1,289	16	1.2%
56.8%	1,266	1,256	-10	-0.8%
58.0%	1,259	1,248	-12	-0.9%
59.3%	1,258	1,245	-13	-1.0%
60.5%	1,243	1,238	-5	-0.4%
61.7%	1,201	1,232	31	2.6%
63.0%	1,188	1,229	41	3.5%
64.2%	1,185	1,226	40	3.4%
65.4%	1,157	1,209	52	4.5%
66.7%	1,117	1,184	68	6.1%
67.9%	1,090	1,169	79	7.3%
69.1%	1,079	1,148	69	6.4%
70.4%	1,076	1,138	63	5.9%
71.6%	1,072	1,125	52	4.9%
72.8%	1,062	1,106	44	4.1%
74.1%	1,057	1,093	36	3.4%
75.3%	1,050	1,091	41	3.9%
76.5%	1,047	1,080	34	3.2%
77.8%	1,045	1,073	27	2.6%
79.0%	1,044	1,059	15	1.4%
80.2%	1,042	1,049	8	0.8%
81.5%	1,041	1,022	-19	-1.8%
82.7%	1,029	1,006	-24	-2.3%
84.0%	997	999	2	0.2%
85.2%	957	983	26	2.7%
86.4%	955	982	28	2.9%
87.7%	946	979	33	3.5%
88.9%	938	978	40	4.3%
90.1%	896	978	82	9.2%
91.4%	865	977	112	12.9%
92.6%	833	858	25	3.0%
93.8%	787	808	22	2.7%
95.1%	786	803	18	2.3%
96.3%	776	713	-63	-8.1%
97.5%	725	707	-18	-2.5%
98.8%	691	703	12	1.7%
100.0%	588	658	70	11.9%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,037	-2	-0.1%
1.2%	1,931	1,936	5	0.3%
2.5%	1,832	1,863	31	1.7%
3.7%	1,692	1,689	-3	-0.2%
4.9%	1,550	1,620	69	4.5%
6.2%	1,495	1,472	-23	-1.5%
7.4%	1,484	1,446	-38	-2.5%
8.6%	1,463	1,437	-26	-1.8%
9.9%	1,449	1,383	-67	-4.6%
11.1%	1,388	1,381	-6	-0.5%
12.3%	1,384	1,376	-7	-0.5%
13.6%	1,369	1,370	1	0.1%
14.8%	1,367	1,328	-39	-2.8%
16.0%	1,318	1,297	-21	-1.6%
17.3%	1,315	1,296	-19	-1.4%
18.5%	1,262	1,237	-24	-1.9%
19.8%	1,241	1,234	-6	-0.5%
21.0%	1,233	1,226	-8	-0.6%
22.2%	1,226	1,224	-2	-0.2%
23.5%	1,223	1,220	-3	-0.3%
24.7%	1,217	1,217	0	0.0%
25.9%	1,217	1,205	-12	-1.0%
27.2%	1,213	1,205	-9	-0.7%
28.4%	1,206	1,204	-3	-0.2%
29.6%	1,206	1,202	-4	-0.3%
30.9%	1,165	1,197	32	2.8%
32.1%	1,145	1,177	32	2.8%
33.3%	1,127	1,140	13	1.1%
34.6%	1,120	1,138	18	1.6%
35.8%	1,107	1,124	17	1.5%
37.0%	1,103	1,106	3	0.3%
38.3%	1,079	1,106	27	2.5%
39.5%	1,066	1,063	-3	-0.2%
40.7%	1,064	1,058	-6	-0.6%
42.0%	1,061	1,040	-21	-2.0%
43.2%	1,048	1,038	-10	-0.9%
44.4%	1,044	1,022	-22	-2.1%
45.7%	1,041	1,001	-39	-3.8%
46.9%	1,037	984	-54	-5.2%
48.1%	1,022	960	-61	-6.0%
49.4%	1,019	957	-62	-6.0%
50.6%	1,001	950	-51	-5.1%
51.9%	995	923	-72	-7.2%
53.1%	977	916	-61	-6.2%
54.3%	950	895	-55	-5.8%
55.6%	892	888	-4	-0.5%
56.8%	891	875	-16	-1.8%
58.0%	881	871	-10	-1.2%
59.3%	880	868	-12	-1.4%
60.5%	825	841	16	1.9%
61.7%	821	835	14	1.7%
63.0%	813	835	22	2.7%
64.2%	807	819	12	1.5%
65.4%	798	817	18	2.3%
66.7%	792	816	24	3.0%
67.9%	764	803	39	5.1%
69.1%	764	796	32	4.3%
70.4%	712	796	84	11.9%
71.6%	705	774	68	9.7%
72.8%	705	747	42	6.0%
74.1%	704	740	35	5.0%
75.3%	689	737	48	6.9%
76.5%	688	734	45	6.6%
77.8%	686	703	17	2.5%
79.0%	685	698	13	1.9%
80.2%	670	691	21	3.2%
81.5%	652	661	9	1.4%
82.7%	640	649	9	1.4%
84.0%	640	626	-13	-2.1%
85.2%	624	614	-10	-1.6%
86.4%	610	605	-5	-0.7%
87.7%	593	595	2	0.3%
88.9%	580	589	9	1.6%
90.1%	538	583	45	8.4%
91.4%	519	582	63	12.1%
92.6%	511	566	55	10.8%
93.8%	507	557	50	9.9%
95.1%	500	524	23	4.7%
96.3%	498	503	5	1.1%
97.5%	467	461	-6	-1.2%
98.8%	433	431	-2	-0.4%
100.0%	398	378	-20	-5.0%

Table SW-41-3b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,947	1,946	-1	0.0%
1.2%	1,816	1,823	7	0.4%
2.5%	1,692	1,731	39	2.3%
3.7%	1,414	1,408	-6	-0.4%
4.9%	1,286	1,286	0	0.0%
6.2%	1,252	1,254	2	0.2%
7.4%	1,211	1,206	-6	-0.5%
8.6%	1,186	1,184	-2	-0.2%
9.9%	1,171	1,170	-1	-0.1%
11.1%	1,158	1,134	-24	-2.1%
12.3%	1,157	1,054	-103	-8.9%
13.6%	1,127	1,026	-101	-9.0%
14.8%	1,101	997	-104	-9.5%
16.0%	1,073	996	-77	-7.2%
17.3%	980	966	-14	-1.4%
18.5%	957	954	-3	-0.3%
19.8%	934	952	18	1.9%
21.0%	909	942	33	3.7%
22.2%	904	925	21	2.3%
23.5%	901	904	4	0.4%
24.7%	898	892	-6	-0.7%
25.9%	893	875	-18	-2.0%
27.2%	889	825	-64	-7.2%
28.4%	830	813	-17	-2.0%
29.6%	820	808	-12	-1.4%
30.9%	776	800	23	3.0%
32.1%	765	780	15	2.0%
33.3%	751	731	-20	-2.7%
34.6%	745	718	-27	-3.6%
35.8%	742	702	-40	-5.5%
37.0%	739	700	-39	-5.3%
38.3%	726	686	-39	-5.4%
39.5%	715	676	-39	-5.4%
40.7%	714	660	-53	-7.5%
42.0%	711	654	-57	-8.0%
43.2%	710	652	-58	-8.2%
44.4%	660	619	-41	-6.2%
45.7%	656	582	-73	-11.2%
46.9%	644	575	-69	-10.7%
48.1%	635	568	-68	-10.6%
49.4%	629	566	-63	-10.0%
50.6%	588	552	-36	-6.1%
51.9%	583	552	-31	-5.4%
53.1%	580	525	-54	-9.4%
54.3%	578	515	-63	-10.9%
55.6%	563	514	-48	-8.6%
56.8%	552	469	-82	-14.9%
58.0%	544	462	-82	-15.1%
59.3%	487	459	-28	-5.8%
60.5%	483	448	-35	-7.2%
61.7%	469	437	-32	-6.9%
63.0%	452	424	-28	-6.3%
64.2%	445	423	-22	-4.9%
65.4%	419	423	4	0.9%
66.7%	412	419	7	1.8%
67.9%	399	409	10	2.5%
69.1%	382	406	25	6.5%
70.4%	376	397	21	5.6%
71.6%	371	392	21	5.6%
72.8%	367	391	24	6.6%
74.1%	366	379	12	3.4%
75.3%	364	362	-3	-0.8%
76.5%	345	361	16	4.7%
77.8%	338	343	5	1.5%
79.0%	337	327	-10	-2.9%
80.2%	320	326	6	1.9%
81.5%	295	325	30	10.2%
82.7%	290	309	19	6.4%
84.0%	287	307	21	7.2%
85.2%	278	293	15	5.5%
86.4%	277	271	-6	-2.0%
87.7%	265	266	1	0.3%
88.9%	260	261	1	0.4%
90.1%	244	255	11	4.5%
91.4%	242	249	7	2.8%
92.6%	235	248	13	5.4%
93.8%	225	232	7	3.0%
95.1%	201	229	28	13.9%
96.3%	192	208	16	8.4%
97.5%	192	186	-5	-2.9%
98.8%	185	185	0	0.1%
100.0%	137	171	34	24.7%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,797	1,796	-1	-0.1%
1.2%	1,668	1,678	10	0.6%
2.5%	1,444	1,483	39	2.7%
3.7%	1,188	1,098	-90	-7.6%
4.9%	1,102	1,076	-26	-2.3%
6.2%	1,084	1,071	-13	-1.2%
7.4%	1,074	1,037	-38	-3.5%
8.6%	1,059	1,007	-53	-5.0%
9.9%	1,057	960	-97	-9.2%
11.1%	1,055	927	-127	-12.1%
12.3%	1,024	917	-107	-10.4%
13.6%	985	904	-81	-8.2%
14.8%	902	870	-33	-3.6%
16.0%	866	864	-2	-0.2%
17.3%	838	853	15	1.8%
18.5%	838	814	-24	-2.8%
19.8%	828	797	-31	-3.7%
21.0%	815	753	-62	-7.6%
22.2%	812	752	-60	-7.4%
23.5%	804	746	-58	-7.2%
24.7%	775	736	-39	-5.0%
25.9%	775	724	-51	-6.5%
27.2%	722	701	-21	-2.9%
28.4%	712	670	-42	-5.9%
29.6%	701	647	-54	-7.7%
30.9%	691	639	-52	-7.5%
32.1%	688	636	-51	-7.5%
33.3%	687	631	-56	-8.2%
34.6%	685	626	-59	-8.6%
35.8%	654	600	-54	-8.3%
37.0%	650	587	-63	-9.7%
38.3%	648	568	-80	-12.4%
39.5%	645	561	-84	-13.0%
40.7%	632	551	-81	-12.8%
42.0%	631	549	-83	-13.1%
43.2%	629	546	-82	-13.1%
44.4%	592	538	-54	-9.1%
45.7%	576	528	-48	-8.3%
46.9%	567	521	-46	-8.1%
48.1%	532	509	-23	-4.4%
49.4%	528	474	-54	-10.2%
50.6%	528	471	-57	-10.9%
51.9%	528	463	-65	-12.4%
53.1%	525	442	-84	-15.9%
54.3%	520	441	-79	-15.1%
55.6%	499	436	-62	-12.5%
56.8%	492	433	-59	-12.1%
58.0%	485	413	-72	-14.9%
59.3%	472	406	-66	-14.0%
60.5%	442	399	-43	-9.7%
61.7%	424	387	-38	-8.9%
63.0%	383	384	2	0.4%
64.2%	373	382	9	2.5%
65.4%	365	378	13	3.5%
66.7%	363	373	10	2.7%
67.9%	344	371	27	7.9%
69.1%	338	366	29	8.5%
70.4%	328	318	-11	-3.2%
71.6%	321	316	-5	-1.4%
72.8%	302	308	6	1.9%
74.1%	295	293	-2	-0.7%
75.3%	291	286	-5	-1.8%
76.5%	277	281	4	1.5%
77.8%	276	279	2	0.9%
79.0%	272	278	6	2.4%
80.2%	256	277	21	8.1%
81.5%	248	273	25	10.1%
82.7%	243	267	24	9.8%
84.0%	237	254	17	7.2%
85.2%	235	249	14	6.0%
86.4%	222	240	18	8.2%
87.7%	218	234	16	7.4%
88.9%	216	232	17	7.7%
90.1%	207	213	6	2.8%
91.4%	205	195	-10	-4.7%
92.6%	203	195	-8	-3.8%
93.8%	176	177	1	0.6%
95.1%	171	165	-5	-3.1%
96.3%	169	155	-14	-8.2%
97.5%	168	153	-15	-8.9%
98.8%	124	147	23	18.2%
100.0%	101	137	35	34.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,617	1,614	-3	-0.2%
1.2%	1,442	1,453	11	0.7%
2.5%	1,217	1,256	39	3.2%
3.7%	1,058	937	-121	-11.4%
4.9%	967	924	-44	-4.5%
6.2%	953	909	-44	-4.6%
7.4%	937	899	-38	-4.1%
8.6%	858	849	-9	-1.1%
9.9%	850	802	-48	-5.7%
11.1%	834	746	-88	-10.5%
12.3%	768	694	-74	-9.6%
13.6%	740	682	-58	-7.8%
14.8%	740	669	-70	-9.5%
16.0%	735	661	-74	-10.0%
17.3%	710	654	-56	-7.9%
18.5%	695	638	-57	-8.2%
19.8%	687	638	-49	-7.2%
21.0%	683	635	-48	-7.0%
22.2%	681	630	-50	-7.4%
23.5%	660	624	-37	-5.5%
24.7%	643	603	-40	-6.2%
25.9%	641	601	-40	-6.2%
27.2%	632	594	-37	-5.9%
28.4%	629	570	-59	-9.3%
29.6%	622	570	-52	-8.4%
30.9%	618	560	-59	-9.5%
32.1%	610	557	-53	-8.7%
33.3%	593	554	-39	-6.5%
34.6%	571	545	-26	-4.6%
35.8%	557	522	-35	-6.3%
37.0%	550	516	-35	-6.3%
38.3%	542	515	-27	-4.9%
39.5%	537	513	-25	-4.6%
40.7%	530	503	-27	-5.1%
42.0%	529	501	-28	-5.3%
43.2%	528	500	-28	-5.2%
44.4%	518	497	-21	-4.1%
45.7%	497	488	-9	-1.9%
46.9%	490	485	-5	-1.0%
48.1%	482	484	1	0.3%
49.4%	476	445	-32	-6.6%
50.6%	476	443	-32	-6.8%
51.9%	469	442	-27	-5.8%
53.1%	468	429	-39	-8.4%
54.3%	458	426	-32	-7.0%
55.6%	439	399	-39	-8.9%
56.8%	418	385	-33	-7.8%
58.0%	407	383	-24	-6.0%
59.3%	400	378	-23	-5.7%
60.5%	400	368	-32	-8.0%
61.7%	382	362	-20	-5.2%
63.0%	348	358	10	2.9%
64.2%	347	355	8	2.2%
65.4%	345	353	8	2.3%
66.7%	342	349	7	2.1%
67.9%	340	347	7	2.0%
69.1%	334	345	11	3.4%
70.4%	329	333	5	1.4%
71.6%	327	331	3	1.1%
72.8%	309	325	15	4.9%
74.1%	307	297	-10	-3.4%
75.3%	302	296	-6	-2.0%
76.5%	301	295	-6	-2.0%
77.8%	298	287	-11	-3.7%
79.0%	284	284	0	0.1%
80.2%	282	281	0	-0.2%
81.5%	278	258	-20	-7.3%
82.7%	260	243	-17	-6.6%
84.0%	252	230	-21	-8.4%
85.2%	243	226	-17	-6.8%
86.4%	242	221	-21	-8.7%
87.7%	236	220	-16	-6.8%
88.9%	224	207	-17	-7.6%
90.1%	222	206	-16	-7.1%
91.4%	220	205	-16	-7.1%
92.6%	219	203	-15	-7.0%
93.8%	188	197	9	4.8%
95.1%	179	191	12	6.4%
96.3%	175	189	14	7.9%
97.5%	163	165	1	0.9%
98.8%	145	160	15	10.7%
100.0%	100	146	46	46.3%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative A End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,727	1,713	-13	-0.8%
1.2%	1,103	1,466	363	32.9%
2.5%	1,064	1,320	256	24.1%
3.7%	1,047	1,070	23	2.2%
4.9%	968	1,018	49	5.1%
6.2%	940	935	-5	-0.6%
7.4%	931	921	-10	-1.1%
8.6%	881	913	32	3.6%
9.9%	862	898	36	4.2%
11.1%	829	847	18	2.2%
12.3%	820	840	19	2.4%
13.6%	820	811	-10	-1.2%
14.8%	813	789	-24	-3.0%
16.0%	767	768	1	0.1%
17.3%	762	760	-2	-0.3%
18.5%	746	756	10	1.3%
19.8%	740	753	13	1.8%
21.0%	727	752	25	3.5%
22.2%	726	742	15	2.1%
23.5%	725	737	12	1.6%
24.7%	723	733	11	1.5%
25.9%	702	720	17	2.5%
27.2%	700	718	18	2.6%
28.4%	697	716	20	2.8%
29.6%	691	706	15	2.2%
30.9%	689	700	12	1.7%
32.1%	686	698	12	1.8%
33.3%	681	695	15	2.2%
34.6%	680	678	-2	-0.2%
35.8%	662	677	15	2.3%
37.0%	657	658	1	0.2%
38.3%	653	657	3	0.5%
39.5%	645	654	10	1.5%
40.7%	634	632	-3	-0.4%
42.0%	619	629	10	1.6%
43.2%	605	597	-8	-1.4%
44.4%	602	595	-8	-1.3%
45.7%	600	593	-7	-1.2%
46.9%	587	592	5	0.8%
48.1%	574	571	-3	-0.6%
49.4%	572	567	-6	-1.0%
50.6%	564	566	2	0.4%
51.9%	553	554	1	0.1%
53.1%	552	548	-4	-0.7%
54.3%	552	545	-7	-1.2%
55.6%	550	536	-13	-2.4%
56.8%	548	522	-26	-4.7%
58.0%	547	514	-34	-6.1%
59.3%	521	489	-31	-6.0%
60.5%	519	472	-47	-9.0%
61.7%	514	472	-43	-8.3%
63.0%	476	469	-7	-1.4%
64.2%	474	459	-15	-3.2%
65.4%	463	458	-5	-1.1%
66.7%	459	457	-2	-0.5%
67.9%	458	455	-3	-0.7%
69.1%	452	444	-8	-1.7%
70.4%	445	434	-11	-2.5%
71.6%	423	431	8	1.9%
72.8%	418	389	-29	-7.0%
74.1%	409	384	-25	-6.2%
75.3%	407	376	-32	-7.7%
76.5%	388	371	-17	-4.4%
77.8%	383	370	-13	-3.4%
79.0%	375	368	-7	-1.9%
80.2%	363	367	4	1.0%
81.5%	361	356	-6	-1.6%
82.7%	330	355	26	7.8%
84.0%	324	343	19	5.7%
85.2%	320	330	10	3.1%
86.4%	318	320	2	0.7%
87.7%	293	298	5	1.7%
88.9%	291	293	2	0.9%
90.1%	276	290	14	5.2%
91.4%	256	268	12	4.6%
92.6%	256	238	-17	-6.7%
93.8%	251	236	-16	-6.2%
95.1%	251	232	-19	-7.6%
96.3%	245	225	-20	-8.2%
97.5%	234	224	-9	-4.1%
98.8%	228	197	-31	-13.6%
100.0%	145	152	7	4.7%

Table SW-42-3a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	414	428	462	482	495	503	482	450	413	403	395	405
Alternative A	417	436	468	487	499	505	484	450	411	400	393	406
Difference	3	8	6	5	4	2	1	0	-2	-3	-3	0
Percent Difference[3]	0.8%	1.8%	1.2%	1.1%	0.8%	0.4%	0.3%	0.1%	-0.4%	-0.8%	-0.7%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	426	429	463	489	506	520	498	467	438	422	413	424
Alternative A	438	444	477	495	509	522	500	468	438	421	412	427
Difference	12	14	14	6	4	2	2	2	1	-1	-2	3
Percent Difference	2.8%	3.3%	3.1%	1.3%	0.7%	0.4%	0.4%	0.3%	0.1%	-0.1%	-0.5%	0.6%
Above Normal (15%)												
No Action Alternative	410	420	457	476	489	501	477	438	405	388	384	398
Alternative A	421	439	473	482	492	504	480	442	406	393	387	406
Difference	10	19	16	6	4	3	3	4	1	5	3	8
Percent Difference	2.5%	4.6%	3.5%	1.2%	0.8%	0.6%	0.7%	0.9%	0.3%	1.3%	0.7%	2.0%
Below Normal (17%)												
No Action Alternative	414	445	477	482	493	501	478	440	395	388	383	398
Alternative A	424	456	488	488	499	505	482	444	399	392	388	405
Difference	10	12	11	5	5	5	4	4	4	4	5	8
Percent Difference	2.4%	2.6%	2.4%	1.1%	1.1%	0.9%	0.9%	0.9%	1.0%	1.1%	1.3%	1.9%
Dry (22%)												
No Action Alternative	406	428	459	485	497	498	477	442	394	392	389	396
Alternative A	393	422	453	491	500	499	476	439	387	379	377	385
Difference	-12	-6	-6	5	4	0	-1	-3	-7	-13	-12	-11
Percent Difference	-3.1%	-1.3%	-1.4%	1.1%	0.8%	0.1%	-0.1%	-0.8%	-1.7%	-3.3%	-3.1%	-2.7%
Critical (15%)												
No Action Alternative	401	414	452	468	478	479	467	447	415	410	392	393
Alternative A	393	411	440	469	483	480	466	442	407	398	386	390
Difference	-8	-3	-12	1	4	1	-1	-5	-8	-12	-5	-3
Percent Difference	-2.0%	-0.8%	-2.7%	0.3%	0.9%	0.3%	-0.3%	-1.1%	-1.9%	-2.8%	-1.4%	-0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-42-3b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

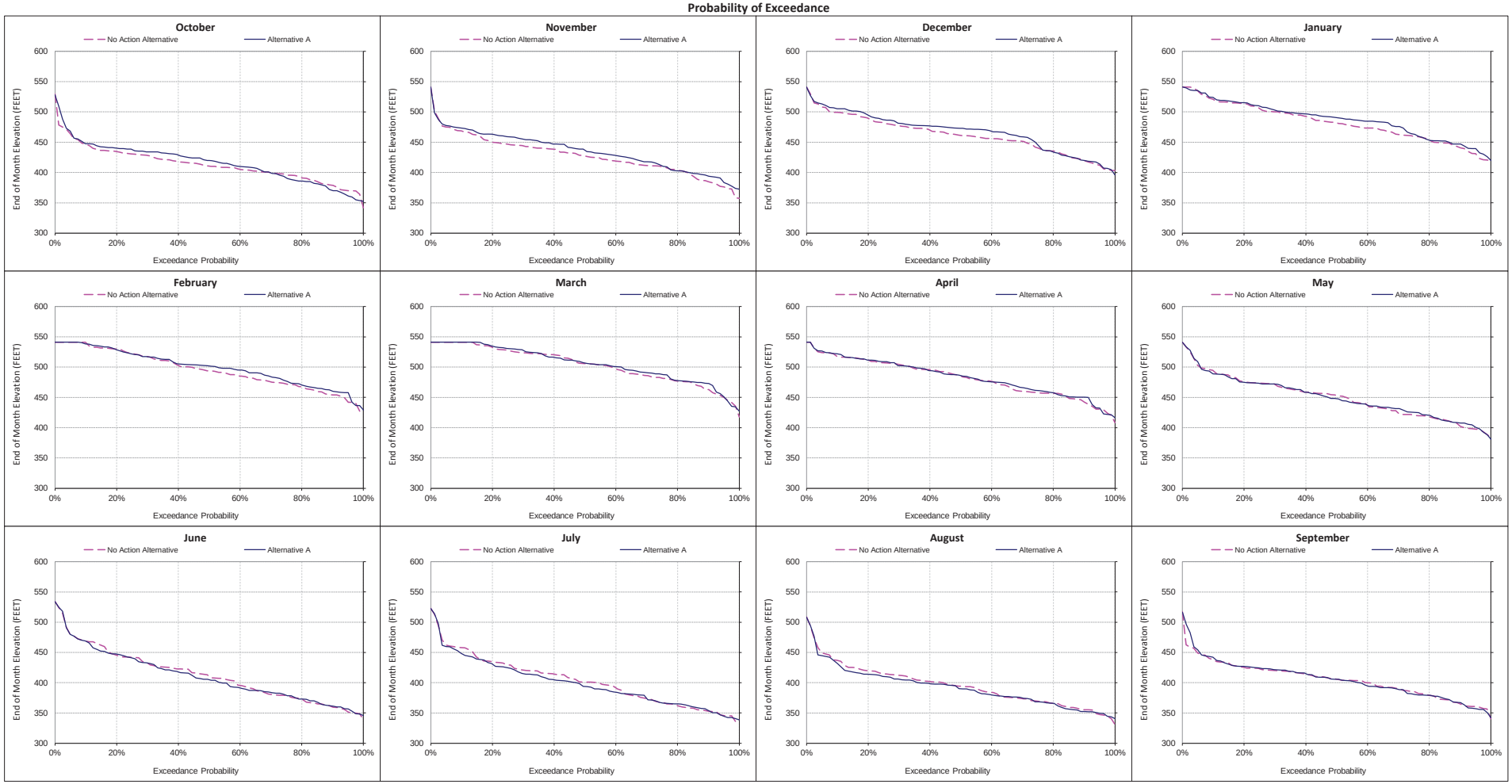


Table SW-42-3b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	530	528	-1	-0.2%
1.2%	478	510	31	6.5%
2.5%	475	488	13	2.8%
3.7%	471	473	2	0.4%
4.9%	464	468	4	0.9%
6.2%	455	457	1	0.3%
7.4%	454	456	1	0.2%
8.6%	449	452	3	0.6%
9.9%	447	448	1	0.2%
11.1%	445	447	3	0.6%
12.3%	440	447	7	1.6%
13.6%	438	444	6	1.4%
14.8%	436	442	6	1.4%
16.0%	436	442	6	1.3%
17.3%	436	441	5	1.3%
18.5%	435	441	6	1.3%
19.8%	435	440	5	1.3%
21.0%	434	439	6	1.4%
22.2%	432	439	8	1.8%
23.5%	431	439	7	1.7%
24.7%	431	439	8	1.8%
25.9%	430	436	5	1.3%
27.2%	429	435	6	1.4%
28.4%	429	435	6	1.4%
29.6%	429	434	5	1.3%
30.9%	428	434	7	1.5%
32.1%	425	434	9	2.2%
33.3%	423	434	11	2.7%
34.6%	422	432	10	2.4%
35.8%	421	432	11	2.6%
37.0%	421	431	10	2.4%
38.3%	419	430	11	2.7%
39.5%	419	430	11	2.7%
40.7%	417	427	10	2.4%
42.0%	417	426	9	2.2%
43.2%	416	425	9	2.1%
44.4%	416	424	8	2.0%
45.7%	415	424	9	2.2%
46.9%	414	424	10	2.5%
48.1%	412	421	8	2.1%
49.4%	411	420	9	2.1%
50.6%	410	419	9	2.3%
51.9%	410	419	9	2.1%
53.1%	409	417	8	2.0%
54.3%	408	415	7	1.7%
55.6%	408	415	7	1.6%
56.8%	408	414	5	1.3%
58.0%	408	411	4	0.9%
59.3%	406	410	4	1.1%
60.5%	405	410	5	1.2%
61.7%	404	409	5	1.2%
63.0%	404	409	5	1.3%
64.2%	403	408	5	1.2%
65.4%	402	407	5	1.2%
66.7%	401	404	3	0.7%
67.9%	401	401	0	0.0%
69.1%	400	401	0	0.1%
70.4%	399	398	-1	-0.2%
71.6%	398	398	0	-0.1%
72.8%	398	396	-2	-0.6%
74.1%	398	394	-4	-1.0%
75.3%	396	390	-5	-1.3%
76.5%	395	388	-7	-1.8%
77.8%	395	387	-8	-2.0%
79.0%	393	386	-7	-1.9%
80.2%	391	386	-5	-1.3%
81.5%	391	385	-6	-1.5%
82.7%	388	385	-3	-0.8%
84.0%	387	382	-5	-1.3%
85.2%	384	381	-3	-0.8%
86.4%	382	380	-2	-0.6%
87.7%	381	378	-4	-0.9%
88.9%	380	372	-8	-2.0%
90.1%	379	370	-9	-2.3%
91.4%	376	370	-6	-1.6%
92.6%	372	367	-4	-1.2%
93.8%	371	364	-6	-1.7%
95.1%	370	361	-9	-2.4%
96.3%	370	360	-10	-2.7%
97.5%	370	355	-15	-4.0%
98.8%	364	354	-10	-2.8%
100.0%	342	352	11	3.2%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	501	498	-3	-0.5%
2.5%	489	488	-2	-0.4%
3.7%	477	480	4	0.8%
4.9%	475	477	3	0.5%
6.2%	475	477	2	0.4%
7.4%	471	475	4	0.9%
8.6%	469	474	5	1.1%
9.9%	469	473	4	0.9%
11.1%	467	473	6	1.3%
12.3%	466	471	5	1.0%
13.6%	463	470	7	1.5%
14.8%	462	467	5	1.1%
16.0%	460	464	5	1.0%
17.3%	454	464	9	2.1%
18.5%	453	463	11	2.4%
19.8%	450	463	13	2.9%
21.0%	450	462	12	2.8%
22.2%	449	461	12	2.7%
23.5%	447	460	13	2.9%
24.7%	447	459	12	2.7%
25.9%	446	459	13	2.9%
27.2%	445	458	13	2.9%
28.4%	445	457	12	2.7%
29.6%	444	456	11	2.5%
30.9%	443	454	11	2.6%
32.1%	443	454	11	2.6%
33.3%	441	453	12	2.8%
34.6%	440	453	12	2.8%
35.8%	440	450	10	2.2%
37.0%	440	449	9	2.1%
38.3%	439	449	10	2.3%
39.5%	439	447	8	1.9%
40.7%	438	447	9	2.0%
42.0%	434	446	13	3.0%
43.2%	433	446	13	3.0%
44.4%	432	442	9	2.1%
45.7%	432	441	9	2.0%
46.9%	432	440	8	1.9%
48.1%	429	439	10	2.4%
49.4%	428	439	11	2.5%
50.6%	426	434	8	1.9%
51.9%	425	434	9	2.1%
53.1%	425	432	8	1.8%
54.3%	425	432	7	1.7%
55.6%	422	431	9	2.1%
56.8%	422	431	9	2.2%
58.0%	420	429	10	2.3%
59.3%	419	429	10	2.3%
60.5%	418	427	9	2.2%
61.7%	418	427	9	2.1%
63.0%	417	426	9	2.1%
64.2%	417	424	8	1.9%
65.4%	415	423	8	2.0%
66.7%	413	421	8	2.0%
67.9%	413	419	7	1.6%
69.1%	412	418	6	1.4%
70.4%	411	418	6	1.5%
71.6%	411	417	6	1.6%
72.8%	411	415	4	1.1%
74.1%	411	413	3	0.6%
75.3%	409	410	1	0.3%
76.5%	408	409	2	0.4%
77.8%	405	404	-1	-0.3%
79.0%	405	403	-2	-0.6%
80.2%	404	403	-1	-0.2%
81.5%	403	403	0	-0.1%
82.7%	401	401	0	0.0%
84.0%	398	400	2	0.6%
85.2%	393	398	5	1.3%
86.4%	389	398	9	2.4%
87.7%	387	397	10	2.6%
88.9%	386	396	9	2.4%
90.1%	385	394	9	2.3%
91.4%	383	393	10	2.6%
92.6%	381	392	11	2.9%
93.8%	377	391	14	3.8%
95.1%	376	383	7	1.9%
96.3%	373	381	8	2.1%
97.5%	373	377	4	1.2%
98.8%	358	374	16	4.4%
100.0%	357	372	15	4.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	530	527	-3	-0.5%
2.5%	515	517	2	0.5%
3.7%	513	515	2	0.3%
4.9%	508	513	5	0.9%
6.2%	507	511	3	0.7%
7.4%	501	507	7	1.4%
8.6%	499	507	8	1.5%
9.9%	499	505	6	1.2%
11.1%	499	505	6	1.3%
12.3%	498	505	7	1.5%
13.6%	497	503	6	1.2%
14.8%	496	502	6	1.1%
16.0%	496	502	6	1.2%
17.3%	492	501	8	1.7%
18.5%	491	499	7	1.5%
19.8%	490	495	5	1.0%
21.0%	487	492	5	1.0%
22.2%	484	490	6	1.3%
23.5%	483	489	6	1.3%
24.7%	483	487	4	0.9%
25.9%	480	486	6	1.3%
27.2%	480	486	7	1.4%
28.4%	479	485	6	1.3%
29.6%	477	481	4	0.8%
30.9%	476	481	5	1.0%
32.1%	476	480	4	0.8%
33.3%	474	479	5	1.0%
34.6%	473	478	5	1.0%
35.8%	473	478	5	1.0%
37.0%	473	478	5	1.0%
38.3%	473	477	5	1.0%
39.5%	471	477	6	1.3%
40.7%	468	476	8	1.7%
42.0%	467	476	9	1.9%
43.2%	467	476	9	1.9%
44.4%	466	475	8	1.8%
45.7%	464	475	10	2.2%
46.9%	464	474	10	2.2%
48.1%	463	473	10	2.3%
49.4%	462	473	12	2.5%
50.6%	461	473	12	2.6%
51.9%	461	472	11	2.4%
53.1%	461	472	11	2.4%
54.3%	460	471	12	2.6%
55.6%	458	471	13	2.8%
56.8%	457	471	14	3.0%
58.0%	456	471	14	3.1%
59.3%	456	469	13	2.9%
60.5%	456	467	11	2.5%
61.7%	456	467	11	2.5%
63.0%	455	467	12	2.6%
64.2%	454	466	12	2.6%
65.4%	453	463	10	2.3%
66.7%	453	462	9	2.1%
67.9%	452	461	9	2.0%
69.1%	452	459	7	1.6%
70.4%	451	459	8	1.7%
71.6%	448	458	10	2.2%
72.8%	447	454	7	1.7%
74.1%	442	450	8	1.9%
75.3%	440	444	4	0.9%
76.5%	437	437	0	0.0%
77.8%	436	436	0	0.0%
79.0%	436	436	0	0.0%
80.2%	435	433	-2	-0.5%
81.5%	434	432	-2	-0.4%
82.7%	431	429	-2	-0.4%
84.0%	429	428	-1	-0.3%
85.2%	425	426	1	0.2%
86.4%	424	425	1	0.2%
87.7%	423	424	0	0.1%
88.9%	422	421	-2	-0.4%
90.1%	419	420	0	0.1%
91.4%	417	418	1	0.3%
92.6%	415	418	3	0.7%
93.8%	414	417	4	0.9%
95.1%	412	414	2	0.5%
96.3%	406	407	1	0.3%
97.5%	405	407	2	0.5%
98.8%	403	405	1	0.3%
100.0%	403	396	-7	-1.8%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	539	-2	-0.3%
2.5%	541	536	-5	-0.9%
3.7%	540	535	-4	-0.8%
4.9%	535	535	0	0.0%
6.2%	529	531	3	0.5%
7.4%	528	531	4	0.7%
8.6%	523	524	2	0.3%
9.9%	521	524	3	0.6%
11.1%	517	520	3	0.6%
12.3%	516	519	3	0.5%
13.6%	516	519	2	0.5%
14.8%	516	518	2	0.4%
16.0%	515	517	2	0.4%
17.3%	515	516	2	0.3%
18.5%	514	515	1	0.2%
19.8%	514	515	2	0.3%
21.0%	513	515	2	0.3%
22.2%	510	512	2	0.4%
23.5%	510	511	1	0.2%
24.7%	507	510	3	0.7%
25.9%	503	508	5	1.0%
27.2%	501	507	6	1.3%
28.4%	501	505	4	0.9%
29.6%	500	504	3	0.7%
30.9%	500	502	1	0.3%
32.1%	498	501	3	0.5%
33.3%	498	500	2	0.3%
34.6%	498	499	1	0.3%
35.8%	495	498	3	0.6%
37.0%	495	498	3	0.6%
38.3%	495	497	2	0.5%
39.5%	493	497	4	0.8%
40.7%	492	496	5	0.9%
42.0%	489	495	6	1.2%
43.2%	486	495	9	1.9%
44.4%	486	493	8	1.6%
45.7%	485	493	8	1.7%
46.9%	484	492	8	1.7%
48.1%	483	492	9	1.8%
49.4%	483	491	8	1.7%
50.6%	481	490	9	2.0%
51.9%	481	489	9	1.8%
53.1%	479	488	9	1.9%
54.3%	478	488	10	2.1%
55.6%	477	487	10	2.1%
56.8%	475	487	11	2.3%
58.0%	474	485	11	2.4%
59.3%	474	485	11	2.4%
60.5%	474	485	11	2.4%
61.7%	474	485	11	2.4%
63.0%	473	484	11	2.3%
64.2%	470	483	13	2.8%
65.4%	470	483	14	2.9%
66.7%	468	482	15	3.2%
67.9%	466	477	10	2.3%
69.1%	464	476	12	2.7%
70.4%	463	476	13	2.9%
71.6%	462	473	12	2.5%
72.8%	461	467	5	1.2%
74.1%	461	464	3	0.7%
75.3%	459	463	4	0.8%
76.5%	459	459	0	0.0%
77.8%	457	458	0	0.1%
79.0%	456	455	-1	-0.3%
80.2%	453	453	0	0.0%
81.5%	450	453	3	0.6%
82.7%	449	452	3	0.6%
84.0%	449	452	3	0.7%
85.2%	449	452	3	0.8%
86.4%	449	450	1	0.3%
87.7%	445	447	2	0.5%
88.9%	443	447	4	0.9%
90.1%	441	447	6	1.4%
91.4%	439	443	4	0.9%
92.6%	435	440	5	1.1%
93.8%	432	439	8	1.8%
95.1%	431	439	8	1.9%
96.3%	423	432	9	2.1%
97.5%	421	430	9	2.2%
98.8%	420	426	5	1.3%
100.0%	419	420	1	0.1%

Table SW-42-3b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	540	-1	-0.1%
9.9%	541	538	-3	-0.5%
11.1%	535	538	3	0.5%
12.3%	533	536	3	0.5%
13.6%	533	535	2	0.5%
14.8%	532	535	3	0.5%
16.0%	532	533	2	0.3%
17.3%	531	533	2	0.3%
18.5%	530	532	1	0.3%
19.8%	530	529	-1	-0.1%
21.0%	530	527	-3	-0.6%
22.2%	526	525	-1	-0.3%
23.5%	524	524	0	-0.1%
24.7%	523	522	-1	-0.1%
25.9%	521	521	-1	-0.1%
27.2%	520	520	0	0.0%
28.4%	518	517	-1	-0.2%
29.6%	518	517	-1	-0.1%
30.9%	517	517	0	0.0%
32.1%	514	516	3	0.5%
33.3%	512	514	3	0.5%
34.6%	511	513	2	0.4%
35.8%	511	513	2	0.4%
37.0%	510	513	2	0.5%
38.3%	508	508	1	0.1%
39.5%	504	506	2	0.3%
40.7%	501	505	4	0.8%
42.0%	501	505	4	0.8%
43.2%	501	504	4	0.8%
44.4%	500	504	4	0.8%
45.7%	498	503	6	1.2%
46.9%	497	503	6	1.2%
48.1%	495	503	7	1.4%
49.4%	494	502	9	1.7%
50.6%	494	501	8	1.6%
51.9%	493	501	8	1.6%
53.1%	491	499	8	1.5%
54.3%	491	498	7	1.4%
55.6%	489	498	9	1.8%
56.8%	488	498	10	2.1%
58.0%	488	496	9	1.8%
59.3%	486	495	10	2.0%
60.5%	485	495	10	2.1%
61.7%	484	494	10	2.0%
63.0%	482	491	9	1.9%
64.2%	482	490	9	1.8%
65.4%	479	490	11	2.3%
66.7%	479	490	11	2.3%
67.9%	479	487	8	1.8%
69.1%	477	485	9	1.8%
70.4%	475	484	9	1.8%
71.6%	475	483	8	1.7%
72.8%	474	481	7	1.5%
74.1%	473	478	5	1.1%
75.3%	471	476	5	1.0%
76.5%	471	473	2	0.4%
77.8%	471	473	2	0.5%
79.0%	468	473	5	1.0%
80.2%	467	470	3	0.6%
81.5%	464	469	4	1.0%
82.7%	463	467	4	0.8%
84.0%	462	466	4	0.9%
85.2%	459	465	6	1.3%
86.4%	459	465	5	1.2%
87.7%	456	463	7	1.6%
88.9%	454	462	8	1.8%
90.1%	454	460	6	1.3%
91.4%	454	459	5	1.1%
92.6%	452	458	6	1.4%
93.8%	450	458	8	1.9%
95.1%	442	458	16	3.6%
96.3%	442	442	0	0.0%
97.5%	440	436	-3	-0.8%
98.8%	427	436	9	2.2%
100.0%	424	429	5	1.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	537	541	4	0.7%
16.0%	537	541	4	0.8%
17.3%	535	538	3	0.5%
18.5%	535	537	2	0.3%
19.8%	533	535	1	0.3%
21.0%	530	533	3	0.6%
22.2%	529	532	4	0.7%
23.5%	529	532	3	0.7%
24.7%	528	531	3	0.5%
25.9%	526	530	4	0.8%
27.2%	525	530	5	0.9%
28.4%	524	529	5	0.9%
29.6%	524	529	5	0.9%
30.9%	524	525	2	0.3%
32.1%	523	524	2	0.3%
33.3%	522	524	2	0.3%
34.6%	522	524	2	0.3%
35.8%	522	522	1	0.1%
37.0%	521	519	-2	-0.5%
38.3%	521	517	-4	-0.8%
39.5%	521	516	-4	-0.8%
40.7%	520	515	-5	-0.9%
42.0%	519	515	-4	-0.8%
43.2%	515	512	-3	-0.6%
44.4%	515	511	-3	-0.6%
45.7%	513	511	-1	-0.3%
46.9%	509	510	2	0.3%
48.1%	507	510	3	0.6%
49.4%	506	507	1	0.3%
50.6%	506	506	1	0.1%
51.9%	505	505	0	0.0%
53.1%	505	505	0	0.0%
54.3%	504	504	0	0.0%
55.6%	503	504	1	0.2%
56.8%	503	504	1	0.3%
58.0%	501	502	1	0.2%
59.3%	499	501	2	0.4%
60.5%	496	501	5	1.0%
61.7%	495	500	6	1.1%
63.0%	492	496	4	0.9%
64.2%	489	495	6	1.2%
65.4%	489	495	6	1.2%
66.7%	488	494	5	1.1%
67.9%	488	492	4	0.8%
69.1%	486	492	5	1.1%
70.4%	486	491	4	0.9%
71.6%	484	490	6	1.3%
72.8%	483	489	6	1.2%
74.1%	483	489	6	1.2%
75.3%	481	487	6	1.3%
76.5%	481	487	6	1.2%
77.8%	480	481	1	0.2%
79.0%	477	478	1	0.2%
80.2%	477	478	1	0.2%
81.5%	476	477	1	0.1%
82.7%	476	477	1	0.1%
84.0%	476	476	0	0.0%
85.2%	473	476	3	0.6%
86.4%	470	475	5	1.1%
87.7%	468	474	6	1.3%
88.9%	463	473	10	2.2%
90.1%	463	473	10	2.2%
91.4%	458	470	12	2.6%
92.6%	455	459	3	0.7%
93.8%	453	456	3	0.6%
95.1%	450	451	1	0.2%
96.3%	445	444	-1	-0.2%
97.5%	441	435	-6	-1.3%
98.8%	436	435	-1	-0.3%
100.0%	418	428	10	2.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	531	531	0	0.0%
3.7%	525	527	2	0.3%
4.9%	524	527	2	0.4%
6.2%	523	524	0	0.1%
7.4%	523	523	0	0.1%
8.6%	522	522	0	0.0%
9.9%	518	522	4	0.8%
11.1%	517	521	4	0.8%
12.3%	516	516	0	0.0%
13.6%	516	516	0	0.0%
14.8%	515	516	0	0.1%
16.0%	515	515	-1	-0.1%
17.3%	514	514	0	-0.1%
18.5%	513	514	1	0.1%
19.8%	512	512	-1	-0.1%
21.0%	510	512	2	0.4%
22.2%	509	511	2	0.4%
23.5%	507	509	2	0.4%
24.7%	507	509	2	0.4%
25.9%	507	509	2	0.5%
27.2%	507	508	1	0.2%
28.4%	506	507	1	0.3%
29.6%	505	502	-2	-0.4%
30.9%	504	502	-1	-0.2%
32.1%	502	502	0	0.0%
33.3%	501	501	0	0.0%
34.6%	498	500	2	0.4%
35.8%	496	499	2	0.4%
37.0%	496	498	2	0.4%
38.3%	496	497	2	0.3%
39.5%	496	494	-2	-0.3%
40.7%	495	494	-1	-0.3%
42.0%	495	493	-2	-0.4%
43.2%	493	492	-1	-0.2%
44.4%	492	489	-3	-0.7%
45.7%	491	488	-3	-0.6%
46.9%	489	488	-2	-0.3%
48.1%	488	488	0	0.0%
49.4%	487	487	0	-0.1%
50.6%	484	485	1	0.2%
51.9%	483	485	2	0.3%
53.1%	481	483	2	0.4%
54.3%	480	481	1	0.3%
55.6%	479	480	1	0.3%
56.8%	478	477	-1	-0.2%
58.0%	477	476	-1	-0.2%
59.3%	477	476	-1	-0.2%
60.5%	476	475	0	-0.1%
61.7%	472	475	3	0.6%
63.0%	471	475	4	0.8%
64.2%	470	474	4	0.8%
65.4%	468	473	5	1.1%
66.7%	464	470	7	1.4%
67.9%	461	469	8	1.7%
69.1%	460	467	7	1.4%
70.4%	460	466	6	1.3%
71.6%	460	465	5	1.1%
72.8%	459	463	4	0.9%
74.1%	458	462	4	0.8%
75.3%	457	461	4	0.9%
76.5%	457	460	3	0.7%
77.8%	457	460	3	0.6%
79.0%	457	458	1	0.3%
80.2%	457	457	1	0.2%
81.5%	456	455	-2	-0.4%
82.7%	455	453	-2	-0.5%
84.0%	452	452	0	0.0%
85.2%	448	451	3	0.6%
86.4%	448	451	3	0.6%
87.7%	447	450	3	0.7%
88.9%	446	450	4	0.9%
90.1%	442	450	8	1.9%
91.4%	439	450	11	2.6%
92.6%	435	438	3	0.6%
93.8%	431	433	2	0.5%
95.1%	430	432	2	0.4%
96.3%	429	423	-7	-1.6%
97.5%	424	422	-2	-0.5%
98.8%	420	421	1	0.3%
100.0%	408	416	8	2.0%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	533	533	0	0.1%
2.5%	526	528	2	0.4%
3.7%	515	515	0	0.0%
4.9%	503	509	6	1.1%
6.2%	499	497	-2	-0.4%
7.4%	498	494	-3	-0.7%
8.6%	496	494	-2	-0.5%
9.9%	495	489	-6	-1.2%
11.1%	489	489	-1	-0.1%
12.3%	489	488	-1	-0.1%
13.6%	487	488	0	0.0%
14.8%	487	484	-4	-0.7%
16.0%	483	481	-2	-0.4%
17.3%	483	481	-2	-0.4%
18.5%	478	475	-2	-0.5%
19.8%	476	475	-1	-0.1%
21.0%	475	474	-1	-0.2%
22.2%	474	474	0	0.0%
23.5%	474	474	0	-0.1%
24.7%	473	473	0	0.0%
25.9%	473	472	-1	-0.2%
27.2%	473	472	-1	-0.2%
28.4%	472	472	0	-0.1%
29.6%	472	472	0	-0.1%
30.9%	468	472	3	0.7%
32.1%	467	470	3	0.7%
33.3%	465	466	1	0.3%
34.6%	464	466	2	0.4%
35.8%	463	465	2	0.3%
37.0%	463	463	0	0.1%
38.3%	460	463	3	0.6%
39.5%	459	459	0	-0.1%
40.7%	459	458	-1	-0.1%
42.0%	458	456	-2	-0.4%
43.2%	457	456	-1	-0.2%
44.4%	457	455	-2	-0.5%
45.7%	456	453	-4	-0.9%
46.9%	456	451	-5	-1.2%
48.1%	455	448	-6	-1.3%
49.4%	454	448	-6	-1.4%
50.6%	452	447	-5	-1.1%
51.9%	452	445	-7	-1.6%
53.1%	450	444	-6	-1.4%
54.3%	447	442	-6	-1.2%
55.6%	442	441	0	-0.1%
56.8%	441	440	-2	-0.4%
58.0%	440	439	-1	-0.2%
59.3%	440	439	-1	-0.3%
60.5%	435	436	2	0.4%
61.7%	434	436	1	0.3%
63.0%	433	436	2	0.5%
64.2%	433	434	1	0.3%
65.4%	432	434	2	0.4%
66.7%	431	434	3	0.6%
67.9%	428	432	4	1.0%
69.1%	428	432	3	0.8%
70.4%	422	432	9	2.2%
71.6%	422	429	7	1.8%
72.8%	422	426	5	1.1%
74.1%	422	425	4	0.9%
75.3%	420	425	5	1.3%
76.5%	420	425	5	1.2%
77.8%	420	421	2	0.5%
79.0%	419	421	1	0.3%
80.2%	418	420	2	0.6%
81.5%	416	417	1	0.2%
82.7%	414	415	1	0.2%
84.0%	414	413	-2	-0.4%
85.2%	413	411	-1	-0.3%
86.4%	411	410	-1	-0.1%
87.7%	409	409	0	0.1%
88.9%	407	409	1	0.3%
90.1%	402	408	5	1.4%
91.4%	400	408	8	1.9%
92.6%	399	406	7	1.7%
93.8%	398	405	6	1.6%
95.1%	398	400	3	0.7%
96.3%	397	398	1	0.2%
97.5%	393	392	-1	-0.2%
98.8%	389	388	0	-0.1%
100.0%	384	381	-3	-0.8%

Table SW-42-3b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	534	534	0	0.0%
1.2%	524	525	1	0.1%
2.5%	515	518	3	0.6%
3.7%	492	491	-1	-0.1%
4.9%	480	480	0	0.0%
6.2%	477	477	0	0.0%
7.4%	473	472	-1	-0.1%
8.6%	471	470	0	0.0%
9.9%	469	469	0	0.0%
11.1%	468	465	-2	-0.5%
12.3%	468	458	-10	-2.1%
13.6%	465	455	-10	-2.1%
14.8%	462	452	-10	-2.2%
16.0%	460	452	-8	-1.7%
17.3%	450	449	-1	-0.3%
18.5%	448	448	0	-0.1%
19.8%	446	448	2	0.4%
21.0%	443	447	3	0.8%
22.2%	443	445	2	0.5%
23.5%	442	443	0	0.1%
24.7%	442	441	-1	-0.1%
25.9%	442	440	-2	-0.4%
27.2%	441	435	-7	-1.5%
28.4%	435	433	-2	-0.4%
29.6%	434	433	-1	-0.3%
30.9%	429	432	2	0.6%
32.1%	428	430	2	0.4%
33.3%	427	425	-2	-0.5%
34.6%	426	423	-3	-0.7%
35.8%	426	421	-4	-1.0%
37.0%	425	421	-4	-1.0%
38.3%	424	420	-4	-1.0%
39.5%	423	419	-4	-1.0%
40.7%	423	417	-6	-1.4%
42.0%	422	416	-6	-1.5%
43.2%	422	416	-6	-1.5%
44.4%	417	412	-5	-1.1%
45.7%	416	408	-9	-2.1%
46.9%	415	407	-8	-1.9%
48.1%	414	406	-8	-1.9%
49.4%	413	406	-7	-1.8%
50.6%	408	404	-4	-1.1%
51.9%	408	404	-4	-0.9%
53.1%	407	401	-7	-1.6%
54.3%	407	399	-8	-1.9%
55.6%	405	399	-6	-1.5%
56.8%	404	394	-10	-2.6%
58.0%	403	393	-10	-2.6%
59.3%	396	392	-4	-0.9%
60.5%	395	391	-5	-1.2%
61.7%	394	389	-4	-1.1%
63.0%	391	387	-4	-1.0%
64.2%	390	387	-3	-0.8%
65.4%	387	387	1	0.1%
66.7%	386	387	1	0.3%
67.9%	384	385	1	0.4%
69.1%	381	385	4	0.9%
70.4%	381	384	3	0.8%
71.6%	380	383	3	0.8%
72.8%	379	383	4	0.9%
74.1%	379	381	2	0.5%
75.3%	379	378	0	-0.1%
76.5%	376	378	2	0.7%
77.8%	375	376	1	0.2%
79.0%	375	373	-2	-0.4%
80.2%	372	373	1	0.3%
81.5%	368	373	5	1.3%
82.7%	367	370	3	0.8%
84.0%	367	370	3	0.9%
85.2%	365	368	3	0.7%
86.4%	365	364	-1	-0.3%
87.7%	363	363	0	0.0%
88.9%	362	362	0	0.1%
90.1%	359	361	2	0.5%
91.4%	359	360	1	0.3%
92.6%	358	360	2	0.6%
93.8%	356	357	1	0.3%
95.1%	352	357	5	1.5%
96.3%	350	353	3	0.9%
97.5%	350	349	-1	-0.3%
98.8%	348	348	0	0.0%
100.0%	339	346	7	2.0%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	523	0	0.0%
1.2%	513	514	1	0.2%
2.5%	494	498	3	0.7%
3.7%	471	462	-9	-1.8%
4.9%	462	460	-2	-0.5%
6.2%	461	459	-1	-0.3%
7.4%	460	456	-4	-0.8%
8.6%	458	453	-5	-1.1%
9.9%	458	448	-10	-2.1%
11.1%	458	445	-13	-2.8%
12.3%	455	444	-11	-2.4%
13.6%	451	443	-8	-1.8%
14.8%	443	439	-3	-0.8%
16.0%	439	439	0	0.0%
17.3%	436	438	2	0.4%
18.5%	436	433	-2	-0.6%
19.8%	435	432	-3	-0.7%
21.0%	434	427	-7	-1.5%
22.2%	433	427	-6	-1.5%
23.5%	432	426	-6	-1.4%
24.7%	429	425	-4	-1.0%
25.9%	429	424	-5	-1.3%
27.2%	424	421	-2	-0.5%
28.4%	422	418	-5	-1.1%
29.6%	421	415	-6	-1.4%
30.9%	420	414	-6	-1.4%
32.1%	420	414	-6	-1.4%
33.3%	420	413	-6	-1.5%
34.6%	420	413	-7	-1.6%
35.8%	416	410	-6	-1.5%
37.0%	416	408	-7	-1.8%
38.3%	415	406	-9	-2.3%
39.5%	415	405	-10	-2.4%
40.7%	413	404	-10	-2.3%
42.0%	413	404	-10	-2.4%
43.2%	413	403	-10	-2.4%
44.4%	409	402	-7	-1.6%
45.7%	407	401	-6	-1.4%
46.9%	406	400	-6	-1.4%
48.1%	402	399	-3	-0.7%
49.4%	401	394	-7	-1.7%
50.6%	401	394	-7	-1.8%
51.9%	401	393	-8	-2.1%
53.1%	401	390	-11	-2.7%
54.3%	400	390	-10	-2.6%
55.6%	397	389	-8	-2.1%
56.8%	397	389	-8	-2.0%
58.0%	396	386	-10	-2.5%
59.3%	394	385	-9	-2.3%
60.5%	390	384	-6	-1.5%
61.7%	387	382	-5	-1.4%
63.0%	382	382	0	0.1%
64.2%	380	381	1	0.4%
65.4%	379	381	2	0.5%
66.7%	379	380	1	0.4%
67.9%	376	380	4	1.1%
69.1%	375	379	4	1.2%
70.4%	373	372	-2	-0.4%
71.6%	372	371	-1	-0.2%
72.8%	369	370	1	0.2%
74.1%	368	368	0	-0.1%
75.3%	367	366	-1	-0.2%
76.5%	365	366	1	0.2%
77.8%	365	365	0	0.1%
79.0%	364	365	1	0.3%
80.2%	361	365	4	1.0%
81.5%	360	364	4	1.2%
82.7%	359	363	4	1.2%
84.0%	358	361	3	0.8%
85.2%	358	360	3	0.7%
86.4%	355	359	3	0.9%
87.7%	355	358	3	0.8%
88.9%	354	357	3	0.8%
90.1%	353	354	1	0.3%
91.4%	352	350	-2	-0.5%
92.6%	352	350	-1	-0.4%
93.8%	347	347	0	0.1%
95.1%	346	345	-1	-0.3%
96.3%	345	343	-3	-0.8%
97.5%	345	342	-3	-0.9%
98.8%	336	341	5	1.4%
100.0%	331	339	8	2.3%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	509	509	0	-0.1%
1.2%	494	495	1	0.2%
2.5%	473	477	4	0.8%
3.7%	458	446	-12	-2.6%
4.9%	449	445	-4	-1.0%
6.2%	448	443	-4	-1.0%
7.4%	446	442	-4	-0.9%
8.6%	438	437	-1	-0.2%
9.9%	437	432	-5	-1.2%
11.1%	436	426	-9	-2.1%
12.3%	429	421	-8	-1.9%
13.6%	426	419	-6	-1.5%
14.8%	426	418	-8	-1.8%
16.0%	425	417	-8	-1.9%
17.3%	422	416	-6	-1.5%
18.5%	421	414	-6	-1.5%
19.8%	420	414	-6	-1.3%
21.0%	419	414	-5	-1.3%
22.2%	419	413	-6	-1.4%
23.5%	417	413	-4	-1.0%
24.7%	415	410	-5	-1.1%
25.9%	415	410	-5	-1.1%
27.2%	413	409	-4	-1.1%
28.4%	413	406	-7	-1.7%
29.6%	412	406	-6	-1.5%
30.9%	412	405	-7	-1.7%
32.1%	411	405	-6	-1.5%
33.3%	409	404	-5	-1.1%
34.6%	406	403	-3	-0.8%
35.8%	405	400	-4	-1.1%
37.0%	404	399	-4	-1.1%
38.3%	403	399	-3	-0.8%
39.5%	402	399	-3	-0.8%
40.7%	401	398	-3	-0.8%
42.0%	401	398	-4	-0.9%
43.2%	401	398	-3	-0.9%
44.4%	400	397	-3	-0.7%
45.7%	397	396	-1	-0.3%
46.9%	396	396	-1	-0.2%
48.1%	395	395	0	0.0%
49.4%	394	390	-4	-1.1%
50.6%	394	390	-4	-1.1%
51.9%	394	390	-4	-0.9%
53.1%	393	388	-5	-1.3%
54.3%	392	388	-4	-1.1%
55.6%	389	384	-5	-1.4%
56.8%	387	382	-5	-1.2%
58.0%	385	382	-3	-0.9%
59.3%	384	381	-3	-0.9%
60.5%	384	379	-5	-1.2%
61.7%	381	378	-3	-0.8%
63.0%	376	378	2	0.4%
64.2%	376	377	1	0.3%
65.4%	376	377	1	0.3%
66.7%	375	377	1	0.3%
67.9%	375	376	1	0.3%
69.1%	374	376	2	0.5%
70.4%	373	374	1	0.2%
71.6%	373	374	1	0.1%
72.8%	370	373	2	0.7%
74.1%	370	368	-2	-0.5%
75.3%	369	368	-1	-0.3%
76.5%	369	368	-1	-0.3%
77.8%	368	367	-2	-0.5%
79.0%	366	366	0	0.0%
80.2%	366	366	0	0.0%
81.5%	365	362	-3	-0.9%
82.7%	362	359	-3	-0.8%
84.0%	361	357	-4	-1.0%
85.2%	359	356	-3	-0.8%
86.4%	359	355	-4	-1.1%
87.7%	358	355	-3	-0.8%
88.9%	356	353	-3	-0.9%
90.1%	355	352	-3	-0.8%
91.4%	355	352	-3	-0.8%
92.6%	355	352	-3	-0.8%
93.8%	349	351	2	0.5%
95.1%	347	350	2	0.6%
96.3%	346	349	3	0.8%
97.5%	344	345	0	0.1%
98.8%	340	344	3	0.9%
100.0%	331	341	10	3.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative A End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	518	517	-1	-0.2%
1.2%	463	496	34	7.2%
2.5%	459	483	24	5.3%
3.7%	457	459	2	0.5%
4.9%	449	454	5	1.1%
6.2%	446	446	-1	-0.1%
7.4%	445	444	-1	-0.2%
8.6%	440	444	3	0.7%
9.9%	438	442	4	0.8%
11.1%	435	437	2	0.4%
12.3%	434	436	2	0.5%
13.6%	434	433	-1	-0.2%
14.8%	433	431	-3	-0.6%
16.0%	428	429	0	0.0%
17.3%	428	428	0	-0.1%
18.5%	426	427	1	0.3%
19.8%	426	427	1	0.3%
21.0%	424	427	3	0.6%
22.2%	424	426	2	0.4%
23.5%	424	425	1	0.3%
24.7%	424	425	1	0.3%
25.9%	421	423	2	0.5%
27.2%	421	423	2	0.5%
28.4%	421	423	2	0.5%
29.6%	420	422	2	0.4%
30.9%	420	421	1	0.3%
32.1%	420	421	1	0.3%
33.3%	419	421	2	0.4%
34.6%	419	419	0	0.0%
35.8%	417	419	2	0.4%
37.0%	416	417	0	0.0%
38.3%	416	416	0	0.1%
39.5%	415	416	1	0.3%
40.7%	414	413	0	-0.1%
42.0%	412	413	1	0.3%
43.2%	410	409	-1	-0.2%
44.4%	410	409	-1	-0.2%
45.7%	410	409	-1	-0.2%
46.9%	408	409	1	0.1%
48.1%	407	406	0	-0.1%
49.4%	406	406	-1	-0.2%
50.6%	405	406	0	0.1%
51.9%	404	404	0	0.0%
53.1%	404	404	0	-0.1%
54.3%	404	403	-1	-0.2%
55.6%	404	402	-2	-0.4%
56.8%	404	400	-3	-0.8%
58.0%	403	399	-4	-1.0%
59.3%	400	396	-4	-1.0%
60.5%	400	394	-6	-1.5%
61.7%	399	394	-6	-1.4%
63.0%	394	394	-1	-0.2%
64.2%	394	392	-2	-0.5%
65.4%	393	392	-1	-0.2%
66.7%	392	392	0	-0.1%
67.9%	392	392	0	-0.1%
69.1%	391	390	-1	-0.3%
70.4%	390	389	-2	-0.4%
71.6%	387	388	1	0.3%
72.8%	387	382	-4	-1.1%
74.1%	385	382	-4	-0.9%
75.3%	385	381	-5	-1.2%
76.5%	382	380	-2	-0.7%
77.8%	382	380	-2	-0.5%
79.0%	380	379	-1	-0.3%
80.2%	379	379	1	0.1%
81.5%	378	378	-1	-0.2%
82.7%	374	377	4	1.1%
84.0%	373	376	3	0.8%
85.2%	372	374	2	0.4%
86.4%	372	372	0	0.1%
87.7%	368	369	1	0.2%
88.9%	367	368	0	0.1%
90.1%	365	367	2	0.7%
91.4%	361	363	2	0.6%
92.6%	361	358	-3	-0.8%
93.8%	361	358	-3	-0.8%
95.1%	361	357	-3	-0.9%
96.3%	360	356	-4	-1.0%
97.5%	358	356	-2	-0.5%
98.8%	356	351	-6	-1.6%
100.0%	340	342	1	0.4%

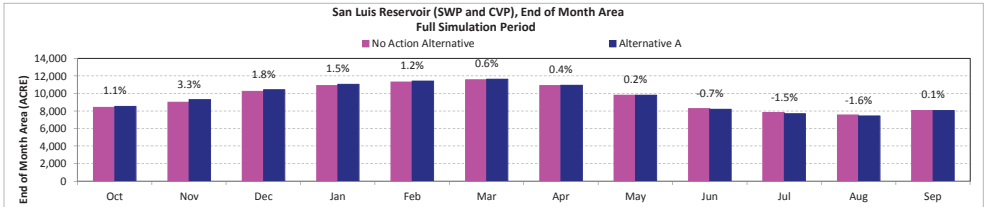
Table SW-43-3a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

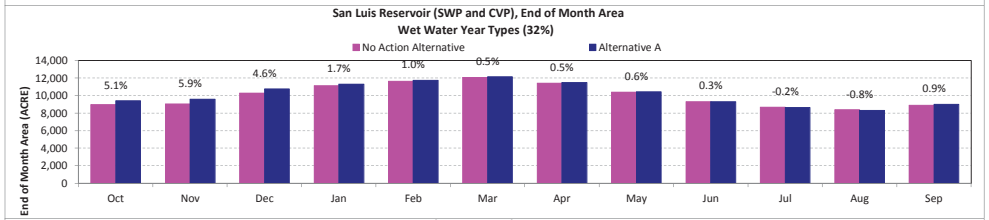
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	8,446	9,000	10,242	10,894	11,302	11,556	10,908	9,799	8,273	7,838	7,568	8,067
Alternative A	8,535	9,294	10,425	11,058	11,436	11,622	10,956	9,813	8,219	7,717	7,449	8,071
Difference	89	294	183	164	134	67	49	15	-54	-121	-118	4
Percent Difference[3]	1.1%	3.3%	1.8%	1.5%	1.2%	0.6%	0.4%	0.2%	-0.7%	-1.5%	-1.6%	0.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,966	9,060	10,280	11,121	11,636	12,075	11,420	10,383	9,296	8,678	8,386	8,914
Alternative A	9,421	9,592	10,752	11,316	11,753	12,133	11,482	10,440	9,322	8,664	8,322	8,998
Difference	455	532	472	195	118	58	62	58	26	-14	-64	83
Percent Difference	5.1%	5.9%	4.6%	1.7%	1.0%	0.5%	0.5%	0.6%	0.3%	-0.2%	-0.8%	0.9%
Above Normal (15%)												
No Action Alternative	8,356	8,725	10,094	10,680	11,107	11,509	10,734	9,404	8,014	7,151	6,996	7,768
Alternative A	8,765	9,466	10,633	10,878	11,233	11,600	10,845	9,561	8,069	7,418	7,190	8,161
Difference	409	742	539	199	126	91	111	156	55	266	194	393
Percent Difference	4.9%	8.5%	5.3%	1.9%	1.1%	0.8%	1.0%	1.7%	0.7%	3.7%	2.8%	5.1%
Below Normal (17%)												
No Action Alternative	8,523	9,658	10,732	10,906	11,239	11,472	10,751	9,448	7,523	7,170	6,998	7,755
Alternative A	8,932	10,061	11,103	11,086	11,418	11,620	10,889	9,598	7,731	7,404	7,271	8,130
Difference	410	403	371	181	179	148	138	150	208	233	272	374
Percent Difference	4.8%	4.2%	3.5%	1.7%	1.6%	1.3%	1.3%	1.6%	2.8%	3.3%	3.9%	4.8%
Dry (22%)												
No Action Alternative	8,086	8,952	10,139	11,007	11,359	11,414	10,746	9,561	7,461	7,377	7,282	7,640
Alternative A	7,502	8,798	9,927	11,173	11,478	11,428	10,727	9,450	7,214	6,810	6,672	7,111
Difference	-584	-155	-211	165	120	14	-20	-111	-247	-567	-609	-529
Percent Difference	-7.2%	-1.7%	-2.1%	1.5%	1.1%	0.1%	-0.2%	-1.2%	-3.3%	-7.7%	-8.4%	-6.9%
Critical (15%)												
No Action Alternative	7,858	8,446	9,893	10,436	10,762	10,788	10,395	9,691	8,406	8,180	7,460	7,535
Alternative A	7,467	8,324	9,463	10,477	10,906	10,833	10,352	9,504	8,055	7,691	7,192	7,348
Difference	-390	-122	-429	41	144	45	-44	-187	-351	-488	-268	-187
Percent Difference	-5.0%	-1.4%	-4.3%	0.4%	1.3%	0.4%	-0.4%	-1.9%	-4.2%	-6.0%	-3.6%	-2.5%

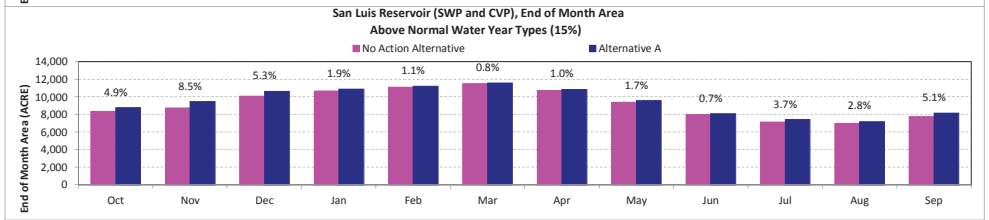
1 Based on the 82-year simulation period

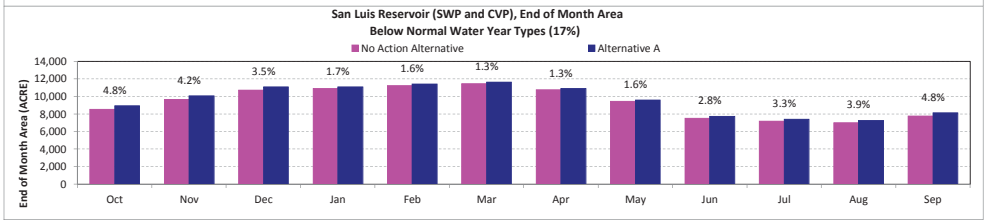
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

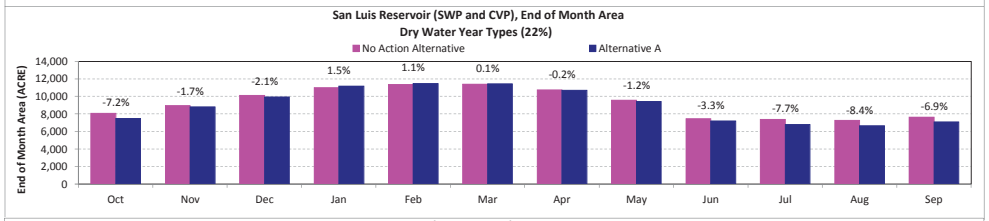
3 Relative difference of the monthly average











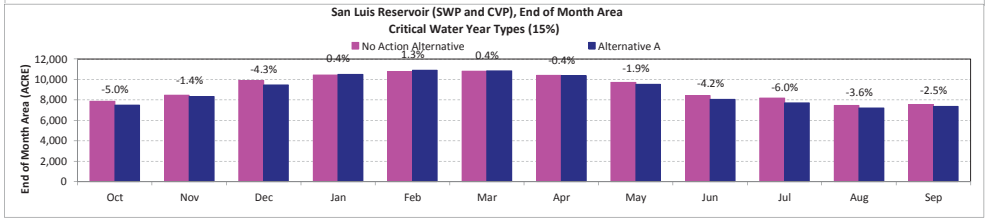


Figure SW-43-3b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

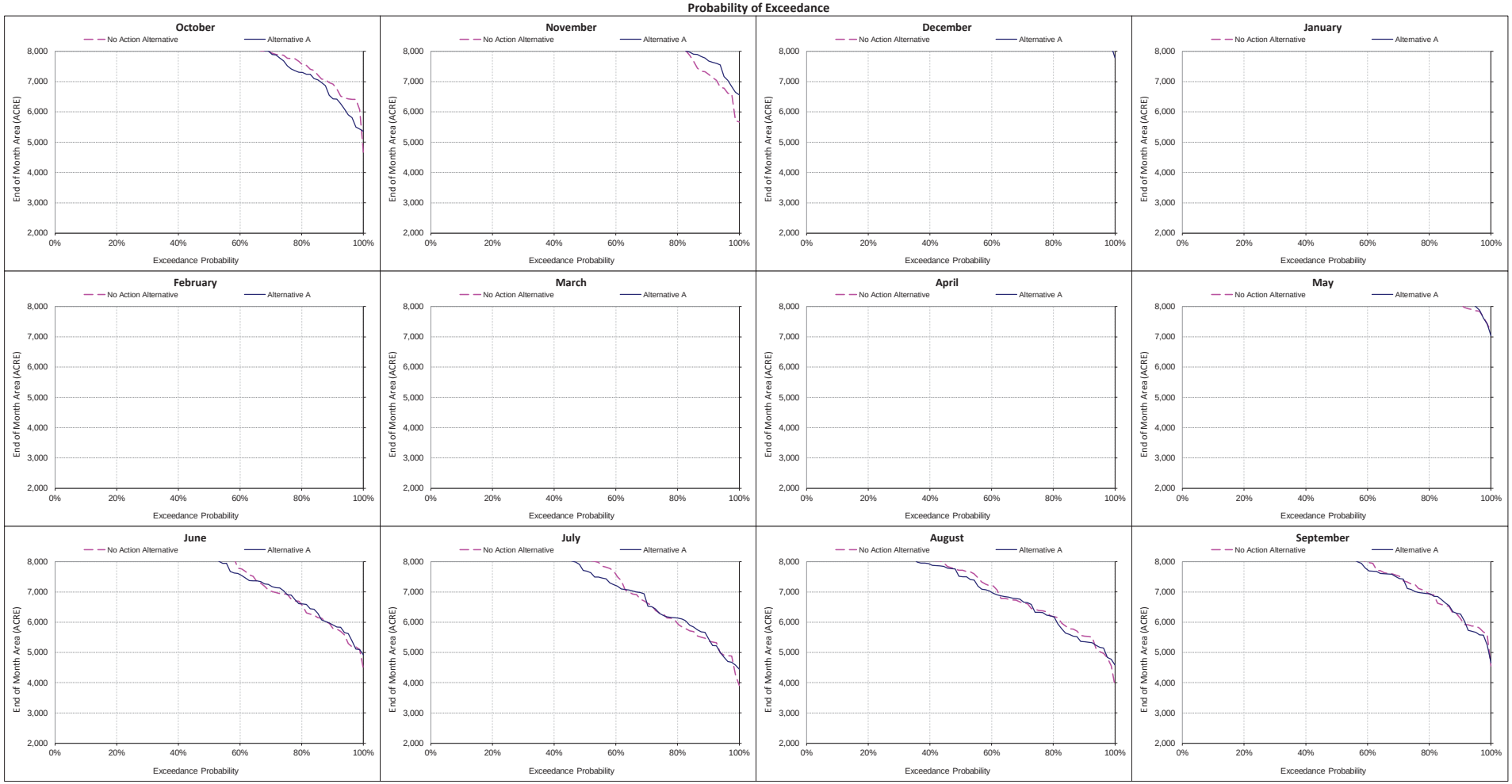


Table SW-43-3b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,351	12,320	-32	-0.3%
1.2%	10,811	11,779	968	9.0%
2.5%	10,695	11,126	431	4.0%
3.7%	10,581	10,636	55	0.5%
4.9%	10,347	10,486	139	1.3%
6.2%	10,051	10,095	45	0.4%
7.4%	10,022	10,058	36	0.4%
8.6%	9,830	9,925	95	1.0%
9.9%	9,759	9,790	31	0.3%
11.1%	9,692	9,783	91	0.9%
12.3%	9,530	9,767	236	2.5%
13.6%	9,468	9,675	207	2.2%
14.8%	9,410	9,613	204	2.2%
16.0%	9,407	9,602	195	2.1%
17.3%	9,390	9,579	189	2.0%
18.5%	9,377	9,572	195	2.1%
19.8%	9,347	9,538	191	2.0%
21.0%	9,310	9,515	205	2.2%
22.2%	9,245	9,511	267	2.9%
23.5%	9,234	9,489	255	2.8%
24.7%	9,208	9,485	278	3.0%
25.9%	9,191	9,384	193	2.1%
27.2%	9,156	9,369	213	2.3%
28.4%	9,152	9,367	215	2.4%
29.6%	9,132	9,329	196	2.2%
30.9%	9,091	9,327	236	2.6%
32.1%	8,991	9,327	336	3.7%
33.3%	8,917	9,324	408	4.6%
34.6%	8,884	9,262	377	4.2%
35.8%	8,856	9,256	400	4.5%
37.0%	8,849	9,224	375	4.2%
38.3%	8,786	9,199	413	4.7%
39.5%	8,753	9,169	416	4.8%
40.7%	8,700	9,078	378	4.3%
42.0%	8,685	9,040	355	4.1%
43.2%	8,654	8,989	335	3.9%
44.4%	8,644	8,965	322	3.7%
45.7%	8,619	8,964	346	4.0%
46.9%	8,572	8,964	392	4.6%
48.1%	8,511	8,844	333	3.9%
49.4%	8,460	8,805	345	4.1%
50.6%	8,416	8,788	372	4.4%
51.9%	8,410	8,761	351	4.2%
53.1%	8,359	8,688	330	3.9%
54.3%	8,347	8,631	283	3.4%
55.6%	8,345	8,615	270	3.2%
56.8%	8,331	8,558	227	2.7%
58.0%	8,322	8,472	150	1.8%
59.3%	8,236	8,420	184	2.2%
60.5%	8,193	8,406	213	2.6%
61.7%	8,175	8,388	213	2.6%
63.0%	8,145	8,371	226	2.8%
64.2%	8,094	8,308	214	2.6%
65.4%	8,072	8,282	210	2.6%
66.7%	8,025	8,150	126	1.6%
67.9%	8,014	8,019	4	0.1%
69.1%	7,996	8,014	18	0.2%
70.4%	7,941	7,901	-40	-0.5%
71.6%	7,901	7,882	-19	-0.2%
72.8%	7,887	7,780	-107	-1.4%
74.1%	7,876	7,688	-188	-2.4%
75.3%	7,772	7,516	-256	-3.3%
76.5%	7,764	7,422	-342	-4.4%
77.8%	7,752	7,361	-391	-5.0%
79.0%	7,671	7,307	-364	-4.7%
80.2%	7,557	7,304	-253	-3.3%
81.5%	7,535	7,247	-288	-3.8%
82.7%	7,411	7,246	-165	-2.2%
84.0%	7,365	7,102	-263	-3.6%
85.2%	7,222	7,058	-164	-2.3%
86.4%	7,088	6,969	-119	-1.7%
87.7%	7,066	6,871	-195	-2.8%
88.9%	6,969	6,548	-421	-6.0%
90.1%	6,913	6,431	-482	-7.0%
91.4%	6,756	6,421	-335	-5.0%
92.6%	6,526	6,273	-253	-3.9%
93.8%	6,463	6,095	-368	-5.7%
95.1%	6,429	5,905	-524	-8.2%
96.3%	6,415	5,811	-603	-9.4%
97.5%	6,410	5,505	-905	-14.1%
98.8%	6,073	5,436	-637	-10.5%
100.0%	4,642	5,356	714	15.4%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	11,527	11,443	-84	-0.7%
2.5%	11,163	11,103	-60	-0.5%
3.7%	10,750	10,870	121	1.1%
4.9%	10,695	10,779	84	0.8%
6.2%	10,689	10,758	69	0.6%
7.4%	10,572	10,704	131	1.2%
8.6%	10,506	10,676	170	1.6%
9.9%	10,501	10,644	143	1.4%
11.1%	10,425	10,621	196	1.9%
12.3%	10,410	10,563	153	1.5%
13.6%	10,307	10,532	226	2.2%
14.8%	10,269	10,433	164	1.6%
16.0%	10,194	10,346	152	1.5%
17.3%	10,010	10,323	314	3.1%
18.5%	9,963	10,316	353	3.5%
19.8%	9,871	10,311	440	4.5%
21.0%	9,863	10,279	416	4.2%
22.2%	9,831	10,240	409	4.2%
23.5%	9,783	10,219	435	4.5%
24.7%	9,776	10,179	403	4.1%
25.9%	9,734	10,164	431	4.4%
27.2%	9,721	10,148	427	4.4%
28.4%	9,699	10,095	396	4.1%
29.6%	9,686	10,058	372	3.8%
30.9%	9,630	10,010	381	4.0%
32.1%	9,624	10,006	382	4.0%
33.3%	9,572	9,989	416	4.4%
34.6%	9,543	9,960	417	4.4%
35.8%	9,541	9,873	332	3.5%
37.0%	9,534	9,842	309	3.2%
38.3%	9,503	9,841	338	3.6%
39.5%	9,491	9,772	281	3.0%
40.7%	9,470	9,767	297	3.1%
42.0%	9,307	9,754	446	4.8%
43.2%	9,304	9,752	448	4.8%
44.4%	9,266	9,587	321	3.5%
45.7%	9,260	9,562	302	3.3%
46.9%	9,237	9,518	281	3.0%
48.1%	9,130	9,492	361	4.0%
49.4%	9,118	9,492	374	4.1%
50.6%	9,050	9,335	285	3.1%
51.9%	9,007	9,323	316	3.5%
53.1%	8,988	9,263	275	3.1%
54.3%	8,987	9,246	259	2.9%
55.6%	8,884	9,217	333	3.7%
56.8%	8,871	9,213	342	3.9%
58.0%	8,796	9,154	358	4.1%
59.3%	8,786	9,146	361	4.1%
60.5%	8,747	9,088	341	3.9%
61.7%	8,732	9,057	326	3.7%
63.0%	8,696	9,029	333	3.8%
64.2%	8,680	8,978	297	3.4%
65.4%	8,612	8,925	313	3.6%
66.7%	8,522	8,853	331	3.9%
67.9%	8,516	8,782	266	3.1%
69.1%	8,494	8,722	228	2.7%
70.4%	8,467	8,717	250	3.0%
71.6%	8,455	8,713	258	3.1%
72.8%	8,453	8,634	182	2.2%
74.1%	8,437	8,546	109	1.3%
75.3%	8,370	8,423	53	0.6%
76.5%	8,311	8,388	77	0.9%
77.8%	8,210	8,165	-45	-0.5%
79.0%	8,205	8,105	-100	-1.2%
80.2%	8,140	8,105	-35	-0.4%
81.5%	8,103	8,093	-10	-0.1%
82.7%	8,012	8,018	6	0.1%
84.0%	7,867	7,968	101	1.3%
85.2%	7,667	7,909	242	3.2%
86.4%	7,444	7,897	453	6.1%
87.7%	7,341	7,826	485	6.6%
88.9%	7,329	7,783	453	6.2%
90.1%	7,235	7,681	447	6.2%
91.4%	7,139	7,641	503	7.0%
92.6%	7,039	7,604	565	8.0%
93.8%	6,817	7,554	737	10.8%
95.1%	6,779	7,167	388	5.7%
96.3%	6,618	7,039	421	6.4%
97.5%	6,605	6,845	240	3.6%
98.8%	5,711	6,647	936	16.4%
100.0%	5,669	6,568	898	15.8%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,361	12,285	-76	-0.6%
2.5%	11,935	12,007	72	0.6%
3.7%	11,889	11,940	50	0.4%
4.9%	11,743	11,882	139	1.2%
6.2%	11,714	11,814	100	0.9%
7.4%	11,510	11,716	206	1.8%
8.6%	11,476	11,707	232	2.0%
9.9%	11,467	11,652	184	1.6%
11.1%	11,458	11,650	192	1.7%
12.3%	11,419	11,646	228	2.0%
13.6%	11,399	11,574	175	1.5%
14.8%	11,368	11,543	175	1.5%
16.0%	11,364	11,542	178	1.6%
17.3%	11,251	11,510	259	2.3%
18.5%	11,224	11,449	225	2.0%
19.8%	11,190	11,346	155	1.4%
21.0%	11,084	11,245	161	1.4%
22.2%	10,983	11,186	203	1.8%
23.5%	10,955	11,159	204	1.9%
24.7%	10,951	11,092	141	1.3%
25.9%	10,872	11,070	198	1.8%
27.2%	10,849	11,068	219	2.0%
28.4%	10,813	11,021	208	1.9%
29.6%	10,780	10,899	119	1.1%
30.9%	10,737	10,893	156	1.5%
32.1%	10,731	10,857	126	1.2%
33.3%	10,675	10,828	153	1.4%
34.6%	10,644	10,794	150	1.4%
35.8%	10,638	10,790	151	1.4%
37.0%	10,633	10,781	148	1.4%
38.3%	10,623	10,772	149	1.4%
39.5%	10,575	10,768	194	1.8%
40.7%	10,474	10,739	266	2.5%
42.0%	10,451	10,739	289	2.8%
43.2%	10,440	10,724	285	2.7%
44.4%	10,421	10,698	277	2.7%
45.7%	10,350	10,691	341	3.3%
46.9%	10,328	10,658	330	3.2%
48.1%	10,300	10,644	344	3.3%
49.4%	10,257	10,639	382	3.7%
50.6%	10,239	10,635	396	3.9%
51.9%	10,231	10,596	365	3.6%
53.1%	10,226	10,590	365	3.6%
54.3%	10,190	10,584	394	3.9%
55.6%	10,147	10,574	426	4.2%
56.8%	10,116	10,563	447	4.4%
58.0%	10,082	10,553	471	4.7%
59.3%	10,078	10,517	439	4.4%
60.5%	10,070	10,444	374	3.7%
61.7%	10,062	10,437	376	3.7%
63.0%	10,043	10,429	386	3.8%
64.2%	10,017	10,412	395	3.9%
65.4%	9,976	10,319	344	3.4%
66.7%	9,961	10,276	315	3.2%
67.9%	9,954	10,248	294	2.9%
69.1%	9,935	10,178	243	2.4%
70.4%	9,911	10,163	252	2.5%
71.6%	9,808	10,135	327	3.3%
72.8%	9,774	10,022	248	2.5%
74.1%	9,603	9,883	281	2.9%
75.3%	9,523	9,655	132	1.4%
76.5%	9,431	9,425	-6	-0.1%
77.8%	9,400	9,399	-1	0.0%
79.0%	9,387	9,388	0	0.0%
80.2%	9,371	9,301	-70	-0.7%
81.5%	9,307	9,248	-60	-0.6%
82.7%	9,203	9,138	-66	-0.7%
84.0%	9,147	9,094	-53	-0.6%
85.2%	9,006	9,038	32	0.4%
86.4%	8,956	8,993	37	0.4%
87.7%	8,934	8,943	9	0.1%
88.9%	8,895	8,834	-61	-0.7%
90.1%	8,789	8,803	15	0.2%
91.4%	8,706	8,753	46	0.5%
92.6%	8,634	8,741	107	1.2%
93.8%	8,558	8,703	145	1.7%
95.1%	8,486	8,566	80	0.9%
96.3%	8,249	8,303	54	0.7%
97.5%	8,196	8,280	84	1.0%
98.8%	8,123	8,182	59	0.7%
100.0%	8,120	7,786	-334	-4.1%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,644	-52	-0.4%
2.5%	12,696	12,544	-152	-1.2%
3.7%	12,648	12,517	-131	-1.0%
4.9%	12,508	12,514	6	0.0%
6.2%	12,332	12,403	72	0.6%
7.4%	12,293	12,393	100	0.8%
8.6%	12,155	12,204	48	0.4%
9.9%	12,112	12,201	88	0.7%
11.1%	12,000	12,083	83	0.7%
12.3%	11,980	12,056	76	0.6%
13.6%	11,979	12,049	69	0.6%
14.8%	11,969	12,028	59	0.5%
16.0%	11,940	12,006	66	0.6%
17.3%	11,929	11,978	48	0.4%
18.5%	11,921	11,944	23	0.2%
19.8%	11,898	11,943	45	0.4%
21.0%	11,885	11,932	46	0.4%
22.2%	11,786	11,851	65	0.5%
23.5%	11,779	11,813	34	0.3%
24.7%	11,696	11,795	99	0.8%
25.9%	11,579	11,723	144	1.2%
27.2%	11,524	11,717	193	1.7%
28.4%	11,518	11,653	135	1.2%
29.6%	11,500	11,601	101	0.9%
30.9%	11,499	11,539	40	0.4%
32.1%	11,441	11,522	81	0.7%
33.3%	11,438	11,486	48	0.4%
34.6%	11,419	11,464	44	0.4%
35.8%	11,348	11,444	97	0.9%
37.0%	11,335	11,421	87	0.8%
38.3%	11,334	11,407	73	0.6%
39.5%	11,274	11,402	128	1.1%
40.7%	11,235	11,380	145	1.3%
42.0%	11,164	11,351	186	1.7%
43.2%	11,053	11,351	298	2.7%
44.4%	11,046	11,287	241	2.2%
45.7%	11,015	11,270	255	2.3%
46.9%	10,988	11,251	262	2.4%
48.1%	10,959	11,236	276	2.5%
49.4%	10,958	11,218	260	2.4%
50.6%	10,886	11,189	304	2.8%
51.9%	10,879	11,156	277	2.5%
53.1%	10,825	11,124	298	2.8%
54.3%	10,792	11,118	326	3.0%
55.6%	10,748	11,077	328	3.1%
56.8%	10,715	11,071	356	3.3%
58.0%	10,670	11,037	367	3.4%
59.3%	10,652	11,019	367	3.4%
60.5%	10,651	11,016	365	3.4%
61.7%	10,651	11,014	363	3.4%
63.0%	10,633	10,990	357	3.4%
64.2%	10,547	10,969	422	4.0%
65.4%	10,526	10,965	439	4.2%
66.7%	10,455	10,938	483	4.6%
67.9%	10,421	10,764	343	3.3%
69.1%	10,323	10,732	409	4.0%
70.4%	10,292	10,729	436	4.2%
71.6%	10,265	10,646	381	3.7%
72.8%	10,252	10,433	181	1.8%
74.1%	10,232	10,341	109	1.1%
75.3%	10,185	10,301	116	1.1%
76.5%	10,185	10,186	1	0.0%
77.8%	10,124	10,139	15	0.1%
79.0%	10,084	10,036	-47	-0.5%
80.2%	9,972	9,975	4	0.0%
81.5%	9,870	9,959	89	0.9%
82.7%	9,856	9,953	97	1.0%
84.0%	9,850	9,948	98	1.0%
85.2%	9,831	9,947	115	1.2%
86.4%	9,831	9,876	45	0.5%
87.7%	9,703	9,780	77	0.8%
88.9%	9,640	9,776	136	1.4%
90.1%	9,560	9,772	212	2.2%
91.4%	9,515	9,652	137	1.4%
92.6%	9,357	9,526	169	1.8%
93.8%	9,238	9,513	275	3.0%
95.1%	9,218	9,512	294	3.2%
96.3%	8,927	9,259	332	3.7%
97.5%	8,848	9,192	345	3.9%
98.8%	8,826	9,032	206	2.3%
100.0%	8,777	8,801	24	0.3%

Table SW-43-3b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,677	-19	-0.1%
9.9%	12,696	12,614	-82	-0.6%
11.1%	12,509	12,596	87	0.7%
12.3%	12,444	12,528	84	0.7%
13.6%	12,443	12,515	72	0.6%
14.8%	12,412	12,496	84	0.7%
16.0%	12,409	12,461	53	0.4%
17.3%	12,399	12,452	53	0.4%
18.5%	12,373	12,412	39	0.3%
19.8%	12,365	12,343	-22	-0.2%
21.0%	12,364	12,279	-85	-0.7%
22.2%	12,261	12,220	-41	-0.3%
23.5%	12,195	12,186	-9	-0.1%
24.7%	12,155	12,139	-15	-0.1%
25.9%	12,122	12,104	-18	-0.1%
27.2%	12,094	12,087	-7	-0.1%
28.4%	12,031	12,008	-23	-0.2%
29.6%	12,018	12,004	-14	-0.1%
30.9%	11,984	11,985	1	0.0%
32.1%	11,902	11,981	78	0.7%
33.3%	11,846	11,924	78	0.7%
34.6%	11,825	11,889	64	0.5%
35.8%	11,824	11,878	53	0.5%
37.0%	11,803	11,870	67	0.6%
38.3%	11,730	11,747	17	0.1%
39.5%	11,615	11,667	52	0.4%
40.7%	11,528	11,643	115	1.0%
42.0%	11,512	11,632	120	1.0%
43.2%	11,509	11,628	120	1.0%
44.4%	11,485	11,613	128	1.1%
45.7%	11,420	11,597	177	1.6%
46.9%	11,400	11,584	185	1.6%
48.1%	11,353	11,570	218	1.9%
49.4%	11,302	11,566	264	2.3%
50.6%	11,298	11,537	239	2.1%
51.9%	11,274	11,521	246	2.2%
53.1%	11,227	11,463	236	2.1%
54.3%	11,225	11,441	216	1.9%
55.6%	11,166	11,434	269	2.4%
56.8%	11,110	11,434	323	2.9%
58.0%	11,109	11,382	273	2.5%
59.3%	11,045	11,350	305	2.8%
60.5%	11,021	11,341	320	2.9%
61.7%	10,994	11,303	309	2.8%
63.0%	10,915	11,205	290	2.7%
64.2%	10,912	11,196	284	2.6%
65.4%	10,840	11,193	353	3.3%
66.7%	10,819	11,173	354	3.3%
67.9%	10,816	11,087	271	2.5%
69.1%	10,755	11,033	279	2.6%
70.4%	10,704	10,979	275	2.6%
71.6%	10,689	10,947	258	2.4%
72.8%	10,671	10,900	229	2.1%
74.1%	10,641	10,806	164	1.5%
75.3%	10,585	10,738	153	1.4%
76.5%	10,584	10,650	67	0.6%
77.8%	10,559	10,634	75	0.7%
79.0%	10,469	10,626	158	1.5%
80.2%	10,453	10,538	85	0.8%
81.5%	10,341	10,488	147	1.4%
82.7%	10,316	10,444	128	1.2%
84.0%	10,275	10,413	137	1.3%
85.2%	10,184	10,376	192	1.9%
86.4%	10,180	10,358	178	1.7%
87.7%	10,063	10,298	235	2.3%
88.9%	10,018	10,287	269	2.7%
90.1%	10,017	10,213	197	2.0%
91.4%	10,012	10,183	170	1.7%
92.6%	9,933	10,147	214	2.2%
93.8%	9,858	10,141	283	2.9%
95.1%	9,606	10,134	528	5.5%
96.3%	9,601	9,595	-6	-0.1%
97.5%	9,528	9,411	-117	-1.2%
98.8%	9,079	9,409	330	3.6%
100.0%	8,972	9,149	177	2.0%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,574	12,696	121	1.0%
16.0%	12,554	12,692	138	1.1%
17.3%	12,523	12,601	78	0.6%
18.5%	12,515	12,571	56	0.4%
19.8%	12,462	12,504	41	0.3%
21.0%	12,355	12,452	98	0.8%
22.2%	12,331	12,432	101	0.8%
23.5%	12,326	12,425	99	0.8%
24.7%	12,315	12,388	73	0.6%
25.9%	12,261	12,376	116	0.9%
27.2%	12,226	12,364	138	1.1%
28.4%	12,203	12,341	138	1.1%
29.6%	12,188	12,322	133	1.1%
30.9%	12,188	12,233	46	0.4%
32.1%	12,161	12,207	46	0.4%
33.3%	12,151	12,200	49	0.4%
34.6%	12,143	12,190	46	0.4%
35.8%	12,132	12,152	20	0.2%
37.0%	12,113	12,046	-67	-0.6%
38.3%	12,103	11,983	-120	-1.0%
39.5%	12,102	11,978	-125	-1.0%
40.7%	12,079	11,944	-135	-1.1%
42.0%	12,056	11,931	-126	-1.0%
43.2%	11,940	11,847	-93	-0.8%
44.4%	11,927	11,836	-91	-0.8%
45.7%	11,877	11,834	-43	-0.4%
46.9%	11,756	11,802	46	0.4%
48.1%	11,693	11,780	87	0.7%
49.4%	11,674	11,718	44	0.4%
50.6%	11,665	11,681	15	0.1%
51.9%	11,649	11,655	7	0.1%
53.1%	11,637	11,643	6	0.1%
54.3%	11,611	11,615	4	0.0%
55.6%	11,586	11,611	26	0.2%
56.8%	11,571	11,610	39	0.3%
58.0%	11,529	11,566	37	0.3%
59.3%	11,463	11,527	65	0.6%
60.5%	11,369	11,517	147	1.3%
61.7%	11,327	11,502	174	1.5%
63.0%	11,234	11,374	140	1.2%
64.2%	11,156	11,342	186	1.7%
65.4%	11,152	11,329	177	1.6%
66.7%	11,127	11,293	165	1.5%
67.9%	11,114	11,237	123	1.1%
69.1%	11,064	11,230	166	1.5%
70.4%	11,056	11,198	142	1.3%
71.6%	10,990	11,188	198	1.8%
72.8%	10,961	11,153	191	1.7%
74.1%	10,952	11,142	190	1.7%
75.3%	10,901	11,102	201	1.8%
76.5%	10,899	11,089	190	1.7%
77.8%	10,852	10,883	30	0.3%
79.0%	10,777	10,811	34	0.3%
80.2%	10,754	10,787	33	0.3%
81.5%	10,745	10,765	20	0.2%
82.7%	10,734	10,752	18	0.2%
84.0%	10,732	10,726	-7	-0.1%
85.2%	10,622	10,716	94	0.9%
86.4%	10,524	10,692	169	1.6%
87.7%	10,487	10,682	195	1.9%
88.9%	10,314	10,645	331	3.2%
90.1%	10,297	10,629	333	3.2%
91.4%	10,134	10,520	386	3.8%
92.6%	10,052	10,165	113	1.1%
93.8%	9,988	10,081	93	0.9%
95.1%	9,872	9,900	28	0.3%
96.3%	9,699	9,664	-35	-0.4%
97.5%	9,579	9,375	-205	-2.1%
98.8%	9,385	9,345	-40	-0.4%
100.0%	8,719	9,092	374	4.3%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,397	12,401	4	0.0%
3.7%	12,234	12,278	44	0.4%
4.9%	12,199	12,265	66	0.5%
6.2%	12,180	12,190	11	0.1%
7.4%	12,167	12,179	12	0.1%
8.6%	12,144	12,144	0	0.0%
9.9%	12,013	12,132	118	1.0%
11.1%	11,986	12,096	111	0.9%
12.3%	11,981	11,979	-2	0.0%
13.6%	11,964	11,968	4	0.0%
14.8%	11,952	11,962	9	0.1%
16.0%	11,942	11,926	-16	-0.1%
17.3%	11,911	11,902	-9	-0.1%
18.5%	11,878	11,897	19	0.2%
19.8%	11,861	11,843	-19	-0.2%
21.0%	11,780	11,841	61	0.5%
22.2%	11,773	11,829	56	0.5%
23.5%	11,719	11,778	59	0.5%
24.7%	11,710	11,770	60	0.5%
25.9%	11,701	11,769	68	0.6%
27.2%	11,691	11,720	29	0.2%
28.4%	11,677	11,718	41	0.4%
29.6%	11,635	11,568	-67	-0.6%
30.9%	11,602	11,568	-35	-0.3%
32.1%	11,560	11,552	-7	-0.1%
33.3%	11,538	11,530	-7	-0.1%
34.6%	11,446	11,505	58	0.5%
35.8%	11,382	11,447	66	0.6%
37.0%	11,381	11,435	55	0.5%
38.3%	11,366	11,413	47	0.4%
39.5%	11,363	11,316	-47	-0.4%
40.7%	11,352	11,309	-43	-0.4%
42.0%	11,329	11,264	-65	-0.6%
43.2%	11,266	11,234	-32	-0.3%
44.4%	11,258	11,151	-107	-1.0%
45.7%	11,216	11,123	-93	-0.8%
46.9%	11,162	11,111	-51	-0.5%
48.1%	11,107	11,110	3	0.0%
49.4%	11,094	11,084	-10	-0.1%
50.6%	10,988	11,021	33	0.3%
51.9%	10,958	11,009	51	0.5%
53.1%	10,881	10,949	69	0.6%
54.3%	10,862	10,908	46	0.4%
55.6%	10,820	10,867	47	0.4%
56.8%	10,798	10,767	-31	-0.3%
58.0%	10,778	10,743	-35	-0.3%
59.3%	10,774	10,736	-39	-0.4%
60.5%	10,728	10,714	-14	-0.1%
61.7%	10,600	10,695	95	0.9%
63.0%	10,557	10,685	128	1.2%
64.2%	10,550	10,675	125	1.2%
65.4%	10,462	10,625	163	1.6%
66.7%	10,333	10,547	214	2.1%
67.9%	10,248	10,499	251	2.4%
69.1%	10,214	10,433	220	2.2%
70.4%	10,202	10,403	201	2.0%
71.6%	10,192	10,360	168	1.7%
72.8%	10,158	10,298	141	1.4%
74.1%	10,143	10,259	116	1.1%
75.3%	10,119	10,253	134	1.3%
76.5%	10,107	10,217	110	1.1%
77.8%	10,104	10,192	89	0.9%
79.0%	10,098	10,147	49	0.5%
80.2%	10,091	10,117	26	0.3%
81.5%	10,090	10,027	-63	-0.6%
82.7%	10,051	9,973	-79	-0.8%
84.0%	9,943	9,951	7	0.1%
85.2%	9,809	9,896	88	0.9%
86.4%	9,802	9,895	93	0.9%
87.7%	9,771	9,883	112	1.1%
88.9%	9,745	9,881	136	1.4%
90.1%	9,598	9,880	282	2.9%
91.4%	9,489	9,876	387	4.1%
92.6%	9,374	9,466	92	1.0%
93.8%	9,201	9,282	81	0.9%
95.1%	9,197	9,264	67	0.7%
96.3%	9,161	8,911	-250	-2.7%
97.5%	8,960	8,884	-76	-0.8%
98.8%	8,816	8,866	50	0.6%
100.0%	8,342	8,672	331	4.0%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,691	-5	0.0%
1.2%	12,452	12,462	11	0.1%
2.5%	12,239	12,305	66	0.5%
3.7%	11,933	11,927	-7	-0.1%
4.9%	11,592	11,764	172	1.5%
6.2%	11,450	11,388	-61	-0.5%
7.4%	11,421	11,319	-102	-0.9%
8.6%	11,363	11,293	-70	-0.6%
9.9%	11,327	11,141	-186	-1.6%
11.1%	11,155	11,137	-18	-0.2%
12.3%	11,143	11,122	-21	-0.2%
13.6%	11,102	11,104	2	0.0%
14.8%	11,095	10,982	-113	-1.0%
16.0%	10,954	10,891	-62	-0.6%
17.3%	10,943	10,888	-55	-0.5%
18.5%	10,784	10,711	-73	-0.7%
19.8%	10,721	10,702	-20	-0.2%
21.0%	10,698	10,675	-23	-0.2%
22.2%	10,677	10,671	-6	-0.1%
23.5%	10,667	10,657	-10	-0.1%
24.7%	10,649	10,650	1	0.0%
25.9%	10,649	10,611	-38	-0.4%
27.2%	10,637	10,611	-27	-0.3%
28.4%	10,616	10,607	-9	-0.1%
29.6%	10,614	10,602	-12	-0.1%
30.9%	10,485	10,586	101	1.0%
32.1%	10,422	10,524	102	1.0%
33.3%	10,367	10,407	40	0.4%
34.6%	10,343	10,401	57	0.6%
35.8%	10,304	10,357	53	0.5%
37.0%	10,292	10,301	9	0.1%
38.3%	10,214	10,300	86	0.8%
39.5%	10,170	10,162	-9	-0.1%
40.7%	10,164	10,145	-20	-0.2%
42.0%	10,154	10,086	-68	-0.7%
43.2%	10,112	10,081	-31	-0.3%
44.4%	10,098	10,026	-71	-0.7%
45.7%	10,088	9,959	-130	-1.3%
46.9%	10,077	9,899	-179	-1.8%
48.1%	10,026	9,821	-205	-2.0%
49.4%	10,017	9,811	-206	-2.1%
50.6%	9,957	9,784	-173	-1.7%
51.9%	9,938	9,694	-244	-2.5%
53.1%	9,875	9,669	-207	-2.1%
54.3%	9,786	9,596	-190	-1.9%
55.6%	9,586	9,571	-15	-0.2%
56.8%	9,583	9,527	-56	-0.6%
58.0%	9,548	9,512	-36	-0.4%
59.3%	9,543	9,499	-44	-0.5%
60.5%	9,344	9,402	58	0.6%
61.7%	9,331	9,382	50	0.5%
63.0%	9,301	9,381	81	0.9%
64.2%	9,277	9,321	44	0.5%
65.4%	9,246	9,315	69	0.7%
66.7%	9,223	9,313	90	1.0%
67.9%	9,113	9,263	150	1.7%
69.1%	9,113	9,237	125	1.4%
70.4%	8,904	9,237	334	3.7%
71.6%	8,877	9,151	274	3.1%
72.8%	8,874	9,046	172	1.9%
74.1%	8,873	9,017	144	1.6%
75.3%	8,808	9,006	198	2.2%
76.5%	8,805	8,993	188	2.1%
77.8%	8,794	8,867	73	0.8%
79.0%	8,791	8,846	56	0.6%
80.2%	8,726	8,818	92	1.1%
81.5%	8,645	8,686	41	0.5%
82.7%	8,593	8,634	41	0.5%
84.0%	8,590	8,528	-62	-0.7%
85.2%	8,515	8,468	-47	-0.6%
86.4%	8,450	8,428	-22	-0.3%
87.7%	8,365	8,375	10	0.1%
88.9%	8,303	8,350	46	0.6%
90.1%	8,079	8,316	237	2.9%
91.4%	7,972	8,310	338	4.2%
92.6%	7,930	8,232	302	3.8%
93.8%	7,903	8,183	280	3.5%
95.1%	7,865	8,001	136	1.7%
96.3%	7,850	7,881	31	0.4%
97.5%	7,659	7,624	-35	-0.5%
98.8%	7,439	7,426	-13	-0.2%
100.0%	7,189	7,036	-152	-2.1%

Table SW-43-3b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,485	12,483	-2	0.0%
1.2%	12,207	12,222	15	0.1%
2.5%	11,934	12,022	88	0.7%
3.7%	11,229	11,213	-17	-0.1%
4.9%	10,857	10,858	1	0.0%
6.2%	10,756	10,763	7	0.1%
7.4%	10,631	10,614	-17	-0.2%
8.6%	10,554	10,547	-7	-0.1%
9.9%	10,505	10,502	-3	0.0%
11.1%	10,465	10,388	-77	-0.7%
12.3%	10,461	10,133	-329	-3.1%
13.6%	10,367	10,040	-326	-3.1%
14.8%	10,285	9,944	-341	-3.3%
16.0%	10,194	9,941	-253	-2.5%
17.3%	9,888	9,841	-47	-0.5%
18.5%	9,809	9,798	-11	-0.1%
19.8%	9,732	9,792	60	0.6%
21.0%	9,644	9,759	115	1.2%
22.2%	9,626	9,700	74	0.8%
23.5%	9,615	9,629	13	0.1%
24.7%	9,607	9,585	-22	-0.2%
25.9%	9,590	9,526	-64	-0.7%
27.2%	9,574	9,345	-230	-2.4%
28.4%	9,361	9,299	-62	-0.7%
29.6%	9,325	9,282	-43	-0.5%
30.9%	9,162	9,250	88	1.0%
32.1%	9,117	9,176	60	0.7%
33.3%	9,062	8,982	-80	-0.9%
34.6%	9,040	8,931	-109	-1.2%
35.8%	9,027	8,862	-166	-1.8%
37.0%	9,015	8,853	-161	-1.8%
38.3%	8,961	8,796	-165	-1.8%
39.5%	8,918	8,754	-165	-1.8%
40.7%	8,912	8,683	-229	-2.6%
42.0%	8,902	8,657	-245	-2.8%
43.2%	8,894	8,644	-251	-2.8%
44.4%	8,682	8,493	-189	-2.2%
45.7%	8,662	8,313	-349	-4.0%
46.9%	8,609	8,277	-331	-3.8%
48.1%	8,570	8,239	-331	-3.9%
49.4%	8,539	8,230	-310	-3.6%
50.6%	8,342	8,156	-186	-2.2%
51.9%	8,318	8,155	-163	-2.0%
53.1%	8,302	8,011	-291	-3.5%
54.3%	8,292	7,950	-341	-4.1%
55.6%	8,213	7,947	-266	-3.2%
56.8%	8,156	7,676	-480	-5.9%
58.0%	8,114	7,630	-484	-6.0%
59.3%	7,786	7,609	-177	-2.3%
60.5%	7,764	7,540	-223	-2.9%
61.7%	7,676	7,464	-212	-2.8%
63.0%	7,567	7,375	-192	-2.5%
64.2%	7,520	7,370	-150	-2.0%
65.4%	7,341	7,368	27	0.4%
66.7%	7,288	7,340	53	0.7%
67.9%	7,193	7,265	72	1.0%
69.1%	7,061	7,247	186	2.6%
70.4%	7,017	7,177	160	2.3%
71.6%	6,978	7,139	160	2.3%
72.8%	6,944	7,134	189	2.7%
74.1%	6,942	7,040	97	1.4%
75.3%	6,926	6,903	-23	-0.3%
76.5%	6,764	6,899	135	2.0%
77.8%	6,703	6,745	42	0.6%
79.0%	6,697	6,610	-87	-1.3%
80.2%	6,548	6,604	55	0.8%
81.5%	6,314	6,590	277	4.4%
82.7%	6,268	6,444	176	2.8%
84.0%	6,236	6,432	197	3.2%
85.2%	6,146	6,297	151	2.5%
86.4%	6,135	6,079	-56	-0.9%
87.7%	6,015	6,022	8	0.1%
88.9%	5,964	5,975	11	0.2%
90.1%	5,791	5,908	117	2.0%
91.4%	5,772	5,845	73	1.3%
92.6%	5,698	5,837	138	2.4%
93.8%	5,578	5,655	77	1.4%
95.1%	5,296	5,624	329	6.2%
96.3%	5,184	5,381	196	3.8%
97.5%	5,184	5,115	-69	-1.3%
98.8%	5,096	5,098	1	0.0%
100.0%	4,452	4,919	466	10.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,165	12,163	-2	0.0%
1.2%	11,880	11,903	23	0.2%
2.5%	11,311	11,417	106	0.9%
3.7%	10,558	10,273	-285	-2.7%
4.9%	10,287	10,204	-82	-0.8%
6.2%	10,228	10,186	-42	-0.4%
7.4%	10,197	10,075	-122	-1.2%
8.6%	10,149	9,976	-173	-1.7%
9.9%	10,141	9,818	-323	-3.2%
11.1%	10,134	9,709	-426	-4.2%
12.3%	10,033	9,672	-361	-3.6%
13.6%	9,903	9,626	-277	-2.8%
14.8%	9,622	9,506	-116	-1.2%
16.0%	9,492	9,486	-6	-0.1%
17.3%	9,394	9,448	55	0.6%
18.5%	9,392	9,305	-87	-0.9%
19.8%	9,355	9,241	-114	-1.2%
21.0%	9,309	9,070	-238	-2.6%
22.2%	9,297	9,066	-232	-2.5%
23.5%	9,267	9,044	-223	-2.4%
24.7%	9,157	9,004	-154	-1.7%
25.9%	9,156	8,955	-201	-2.2%
27.2%	8,947	8,861	-87	-1.0%
28.4%	8,904	8,726	-178	-2.0%
29.6%	8,861	8,625	-236	-2.7%
30.9%	8,815	8,585	-230	-2.6%
32.1%	8,802	8,575	-227	-2.6%
33.3%	8,799	8,549	-250	-2.8%
34.6%	8,792	8,527	-264	-3.0%
35.8%	8,655	8,402	-254	-2.9%
37.0%	8,637	8,338	-298	-3.5%
38.3%	8,627	8,239	-388	-4.5%
39.5%	8,616	8,206	-410	-4.8%
40.7%	8,554	8,152	-402	-4.7%
42.0%	8,550	8,138	-413	-4.8%
43.2%	8,540	8,126	-414	-4.8%
44.4%	8,360	8,079	-282	-3.4%
45.7%	8,280	8,025	-255	-3.1%
46.9%	8,234	7,985	-249	-3.0%
48.1%	8,048	7,915	-133	-1.7%
49.4%	8,027	7,708	-319	-4.0%
50.6%	8,026	7,685	-341	-4.2%
51.9%	8,025	7,633	-391	-4.9%
53.1%	8,010	7,495	-515	-6.4%
54.3%	7,977	7,490	-488	-6.1%
55.6%	7,855	7,460	-395	-5.0%
56.8%	7,818	7,435	-382	-4.9%
58.0%	7,776	7,297	-479	-6.2%
59.3%	7,694	7,246	-448	-5.8%
60.5%	7,499	7,195	-304	-4.1%
61.7%	7,377	7,099	-278	-3.8%
63.0%	7,070	7,083	13	0.2%
64.2%	6,994	7,067	73	1.0%
65.4%	6,931	7,033	102	1.5%
66.7%	6,917	6,996	79	1.1%
67.9%	6,759	6,981	222	3.3%
69.1%	6,702	6,942	240	3.6%
70.4%	6,621	6,526	-95	-1.4%
71.6%	6,553	6,511	-42	-0.6%
72.8%	6,385	6,439	53	0.8%
74.1%	6,313	6,292	-21	-0.3%
75.3%	6,276	6,225	-50	-0.8%
76.5%	6,142	6,182	41	0.7%
77.8%	6,130	6,155	24	0.4%
79.0%	6,085	6,150	65	1.1%
80.2%	5,923	6,138	215	3.6%
81.5%	5,839	6,100	261	4.5%
82.7%	5,779	6,033	254	4.4%
84.0%	5,715	5,901	186	3.3%
85.2%	5,689	5,845	156	2.7%
86.4%	5,547	5,752	205	3.7%
87.7%	5,501	5,685	184	3.3%
88.9%	5,473	5,663	190	3.5%
90.1%	5,369	5,438	70	1.3%
91.4%	5,347	5,229	-119	-2.2%
92.6%	5,319	5,225	-94	-1.8%
93.8%	4,986	5,000	14	0.3%
95.1%	4,910	4,840	-70	-1.4%
96.3%	4,888	4,702	-187	-3.8%
97.5%	4,882	4,680	-202	-4.1%
98.8%	4,260	4,587	327	7.7%
100.0%	3,912	4,446	534	13.7%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,759	11,751	-8	-0.1%
1.2%	11,307	11,336	29	0.3%
2.5%	10,649	10,767	118	1.1%
3.7%	10,146	9,743	-403	-4.0%
4.9%	9,845	9,695	-149	-1.5%
6.2%	9,795	9,645	-150	-1.5%
7.4%	9,741	9,609	-133	-1.4%
8.6%	9,463	9,431	-33	-0.3%
9.9%	9,437	9,260	-178	-1.9%
11.1%	9,378	9,043	-335	-3.6%
12.3%	9,130	8,831	-299	-3.3%
13.6%	9,019	8,780	-239	-2.7%
14.8%	9,018	8,723	-295	-3.3%
16.0%	8,998	8,687	-311	-3.5%
17.3%	8,897	8,654	-243	-2.7%
18.5%	8,833	8,582	-251	-2.8%
19.8%	8,801	8,581	-219	-2.5%
21.0%	8,783	8,570	-213	-2.4%
22.2%	8,772	8,547	-226	-2.6%
23.5%	8,683	8,516	-167	-1.9%
24.7%	8,607	8,418	-189	-2.2%
25.9%	8,595	8,407	-188	-2.2%
27.2%	8,553	8,375	-179	-2.1%
28.4%	8,542	8,253	-288	-3.4%
29.6%	8,506	8,249	-257	-3.0%
30.9%	8,490	8,197	-293	-3.5%
32.1%	8,451	8,183	-269	-3.2%
33.3%	8,368	8,168	-199	-2.4%
34.6%	8,258	8,120	-139	-1.7%
35.8%	8,181	7,989	-192	-2.3%
37.0%	8,148	7,955	-194	-2.4%
38.3%	8,102	7,953	-149	-1.8%
39.5%	8,077	7,939	-138	-1.7%
40.7%	8,035	7,881	-154	-1.9%
42.0%	8,030	7,867	-162	-2.0%
43.2%	8,025	7,866	-158	-2.0%
44.4%	7,971	7,848	-123	-1.5%
45.7%	7,846	7,790	-56	-0.7%
46.9%	7,805	7,773	-31	-0.4%
48.1%	7,757	7,764	8	0.1%
49.4%	7,721	7,517	-204	-2.6%
50.6%	7,715	7,505	-210	-2.7%
51.9%	7,677	7,498	-179	-2.3%
53.1%	7,669	7,408	-261	-3.4%
54.3%	7,604	7,390	-215	-2.8%
55.6%	7,474	7,195	-278	-3.7%
56.8%	7,333	7,091	-242	-3.3%
58.0%	7,253	7,070	-183	-2.5%
59.3%	7,204	7,031	-173	-2.4%
60.5%	7,198	6,953	-245	-3.4%
61.7%	7,062	6,904	-158	-2.2%
63.0%	6,791	6,874	83	1.2%
64.2%	6,785	6,849	64	0.9%
65.4%	6,764	6,829	65	1.0%
66.7%	6,739	6,801	61	0.9%
67.9%	6,725	6,783	57	0.9%
69.1%	6,672	6,768	96	1.4%
70.4%	6,624	6,666	41	0.6%
71.6%	6,613	6,643	31	0.5%
72.8%	6,451	6,589	139	2.1%
74.1%	6,430	6,331	-99	-1.5%
75.3%	6,384	6,326	-58	-0.9%
76.5%	6,373	6,317	-57	-0.9%
77.8%	6,339	6,235	-105	-1.7%
79.0%	6,206	6,208	2	0.0%
80.2%	6,185	6,180	-5	-0.1%
81.5%	6,152	5,944	-208	-3.4%
82.7%	5,965	5,782	-183	-3.1%
84.0%	5,874	5,643	-232	-3.9%
85.2%	5,781	5,595	-186	-3.2%
86.4%	5,773	5,536	-237	-4.1%
87.7%	5,702	5,521	-181	-3.2%
88.9%	5,566	5,365	-201	-3.6%
90.1%	5,542	5,357	-185	-3.3%
91.4%	5,527	5,341	-186	-3.4%
92.6%	5,506	5,323	-182	-3.3%
93.8%	5,130	5,242	112	2.2%
95.1%	5,023	5,170	147	2.9%
96.3%	4,966	5,143	176	3.5%
97.5%	4,815	4,834	19	0.4%
98.8%	4,560	4,774	214	4.7%
100.0%	3,889	4,580	691	17.8%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative A End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,012	11,982	-30	-0.3%
1.2%	10,291	11,372	1,081	10.5%
2.5%	10,163	10,959	796	7.8%
3.7%	10,108	10,184	76	0.8%
4.9%	9,848	10,012	165	1.7%
6.2%	9,753	9,735	-18	-0.2%
7.4%	9,722	9,687	-35	-0.4%
8.6%	9,546	9,657	111	1.2%
9.9%	9,481	9,608	127	1.3%
11.1%	9,360	9,427	67	0.7%
12.3%	9,328	9,399	71	0.8%
13.6%	9,327	9,292	-36	-0.4%
14.8%	9,301	9,208	-92	-1.0%
16.0%	9,127	9,131	4	0.0%
17.3%	9,107	9,097	-10	-0.1%
18.5%	9,042	9,081	39	0.4%
19.8%	9,020	9,072	53	0.6%
21.0%	8,965	9,067	102	1.1%
22.2%	8,963	9,025	62	0.7%
23.5%	8,960	9,007	47	0.5%
24.7%	8,948	8,991	43	0.5%
25.9%	8,864	8,936	72	0.8%
27.2%	8,855	8,931	76	0.9%
28.4%	8,840	8,922	82	0.9%
29.6%	8,815	8,879	64	0.7%
30.9%	8,806	8,855	49	0.6%
32.1%	8,793	8,845	52	0.6%
33.3%	8,772	8,836	64	0.7%
34.6%	8,767	8,761	-7	-0.1%
35.8%	8,690	8,757	67	0.8%
37.0%	8,669	8,675	5	0.1%
38.3%	8,651	8,666	16	0.2%
39.5%	8,613	8,656	43	0.5%
40.7%	8,566	8,554	-12	-0.1%
42.0%	8,491	8,538	47	0.6%
43.2%	8,428	8,388	-41	-0.5%
44.4%	8,412	8,375	-37	-0.4%
45.7%	8,401	8,365	-36	-0.4%
46.9%	8,339	8,362	23	0.3%
48.1%	8,273	8,256	-17	-0.2%
49.4%	8,263	8,233	-30	-0.4%
50.6%	8,217	8,229	12	0.1%
51.9%	8,162	8,166	4	0.0%
53.1%	8,158	8,137	-21	-0.3%
54.3%	8,158	8,121	-36	-0.4%
55.6%	8,143	8,070	-73	-0.9%
56.8%	8,135	7,994	-141	-1.7%
58.0%	8,130	7,943	-187	-2.3%
59.3%	7,983	7,798	-185	-2.3%
60.5%	7,971	7,691	-281	-3.5%
61.7%	7,948	7,690	-258	-3.2%
63.0%	7,719	7,677	-42	-0.5%
64.2%	7,704	7,608	-97	-1.3%
65.4%	7,634	7,600	-34	-0.4%
66.7%	7,611	7,596	-16	-0.2%
67.9%	7,604	7,583	-21	-0.3%
69.1%	7,561	7,511	-50	-0.7%
70.4%	7,517	7,441	-75	-1.0%
71.6%	7,366	7,423	57	0.8%
72.8%	7,335	7,118	-217	-3.0%
74.1%	7,268	7,079	-189	-2.6%
75.3%	7,255	7,017	-239	-3.3%
76.5%	7,113	6,980	-133	-1.9%
77.8%	7,071	6,968	-103	-1.5%
79.0%	7,009	6,951	-58	-0.8%
80.2%	6,915	6,943	28	0.4%
81.5%	6,902	6,855	-46	-0.7%
82.7%	6,632	6,852	220	3.3%
84.0%	6,585	6,746	161	2.5%
85.2%	6,550	6,638	88	1.3%
86.4%	6,530	6,549	19	0.3%
87.7%	6,298	6,346	48	0.8%
88.9%	6,272	6,296	24	0.4%
90.1%	6,124	6,266	142	2.3%
91.4%	5,922	6,045	123	2.1%
92.6%	5,918	5,732	-186	-3.1%
93.8%	5,873	5,701	-172	-2.9%
95.1%	5,871	5,662	-209	-3.6%
96.3%	5,806	5,582	-224	-3.9%
97.5%	5,679	5,571	-108	-1.9%
98.8%	5,613	5,246	-366	-6.5%
100.0%	4,562	4,656	94	2.1%

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Alternative B Compared to No Action Alternative

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Table SQ-01-5a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	84	82	76	67	61	61	64	68	75	80	85	83
Alternative B	83	82	76	68	61	62	64	68	74	79	84	83
Difference	-1	0	0	0	0	1	0	0	0	-1	-1	-1
Percent Difference[3]	-0.7%	-0.3%	0.0%	0.5%	0.8%	1.5%	0.7%	0.3%	-0.5%	-1.6%	-1.4%	-1.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	74	73	71	54	50	52	55	58	65	74	83	74
Alternative B	74	73	71	54	51	53	55	58	65	73	82	73
Difference	0	0	0	0	0	0	0	0	0	-1	-1	0
Percent Difference	0.2%	0.2%	0.7%	0.3%	0.4%	0.8%	0.5%	0.3%	-0.4%	-1.7%	-1.2%	-0.5%
Above Normal (15%)												
No Action Alternative	80	78	73	62	55	54	59	63	73	78	84	74
Alternative B	80	78	74	62	55	55	59	63	72	76	82	74
Difference	0	0	0	1	1	1	1	0	0	-2	-1	-1
Percent Difference	-0.3%	0.0%	0.6%	1.0%	0.9%	1.6%	0.9%	0.6%	-0.6%	-2.1%	-1.7%	-0.9%
Below Normal (17%)												
No Action Alternative	90	85	75	72	61	63	65	69	77	81	85	89
Alternative B	88	84	74	73	62	65	66	69	76	80	84	88
Difference	-1	-1	-1	1	0	2	1	0	-1	-1	-2	-2
Percent Difference	-1.5%	-1.3%	-1.4%	1.0%	0.7%	2.7%	1.2%	0.2%	-0.7%	-1.7%	-1.8%	-1.9%
Dry (22%)												
No Action Alternative	91	89	79	77	70	67	70	75	81	85	87	90
Alternative B	90	88	79	77	70	68	71	75	80	83	85	88
Difference	-1	0	0	0	0	1	1	0	0	-1	-2	-2
Percent Difference	-1.1%	-0.4%	-0.1%	0.1%	0.5%	1.9%	1.1%	0.2%	-0.5%	-1.4%	-1.9%	-1.8%
Critical (15%)												
No Action Alternative	93	92	88	82	76	75	78	83	86	88	89	91
Alternative B	92	92	88	82	77	76	78	83	86	87	89	91
Difference	-1	0	0	0	1	1	0	0	-1	-1	0	0
Percent Difference	-1.3%	-0.2%	-0.4%	0.5%	1.8%	0.8%	0.0%	0.1%	-0.6%	-0.9%	-0.6%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SQ-01-5b
X2, Monthly Position
Probability of Exceedance

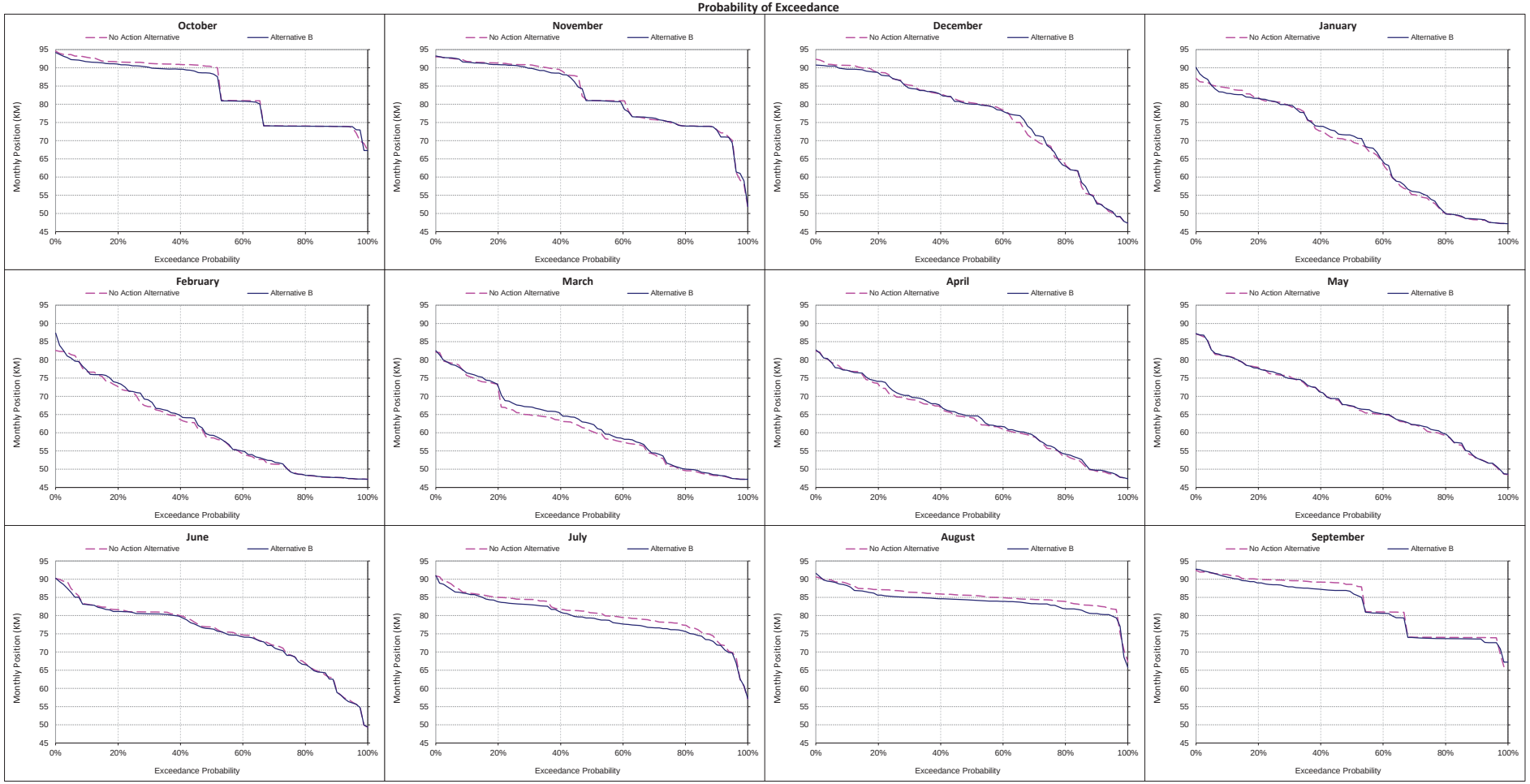

Table SQ-01-5b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95	94	0	-0.4%
1.2%	94	94	0	-0.3%
2.5%	94	93	-1	-0.6%
3.7%	94	93	-1	-0.9%
4.9%	94	92	-1	-1.4%
6.2%	93	92	-1	-1.1%
7.4%	93	92	-1	-1.2%
8.6%	93	92	-1	-1.3%
9.9%	93	92	-1	-1.3%
11.1%	93	92	-1	-1.1%
12.3%	93	91	-1	-1.3%
13.6%	92	91	-1	-0.9%
14.8%	92	91	0	-0.5%
16.0%	92	91	-1	-0.6%
17.3%	92	91	-1	-0.7%
18.5%	92	91	-1	-0.7%
19.8%	92	91	-1	-0.6%
21.0%	92	91	-1	-0.8%
22.2%	92	91	-1	-0.8%
23.5%	92	91	-1	-0.9%
24.7%	92	91	-1	-1.1%
25.9%	92	91	-1	-1.1%
27.2%	92	90	-1	-1.2%
28.4%	91	90	-1	-1.2%
29.6%	91	90	-1	-1.1%
30.9%	91	90	-1	-1.4%
32.1%	91	90	-1	-1.3%
33.3%	91	90	-1	-1.5%
34.6%	91	90	-1	-1.5%
35.8%	91	90	-1	-1.4%
37.0%	91	90	-1	-1.5%
38.3%	91	90	-1	-1.4%
39.5%	91	90	-1	-1.5%
40.7%	91	90	-1	-1.4%
42.0%	91	89	-1	-1.6%
43.2%	91	89	-2	-1.7%
44.4%	91	89	-2	-1.9%
45.7%	91	89	-2	-2.3%
46.9%	91	89	-2	-2.2%
48.1%	90	89	-2	-2.0%
49.4%	90	89	-2	-2.1%
50.6%	90	88	-2	-2.2%
51.9%	90	88	-2	-2.7%
53.1%	81	81	0	-0.2%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.1%
59.3%	81	81	0	-0.2%
60.5%	81	81	0	-0.2%
61.7%	81	81	0	-0.2%
63.0%	81	81	0	-0.3%
64.2%	81	81	0	-0.5%
65.4%	81	80	-1	-1.1%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	-0.1%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	-0.1%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	0.0%
88.9%	74	74	0	0.0%
90.1%	74	74	0	0.0%
91.4%	74	74	0	0.0%
92.6%	74	74	0	0.0%
93.8%	74	74	0	0.0%
95.1%	74	74	0	0.4%
96.3%	72	73	1	1.2%
97.5%	70	73	3	4.3%
98.8%	69	67	-2	-2.8%
100.0%	67	67	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93	93	0	0.2%
1.2%	93	93	0	0.1%
2.5%	93	93	0	0.0%
3.7%	93	93	0	0.1%
4.9%	93	93	0	0.2%
6.2%	92	93	0	0.2%
7.4%	92	92	0	0.0%
8.6%	92	92	-1	-0.6%
9.9%	92	92	0	-0.2%
11.1%	92	91	0	-0.2%
12.3%	92	91	0	-0.3%
13.6%	91	91	0	-0.2%
14.8%	91	91	0	-0.2%
16.0%	91	91	0	-0.1%
17.3%	91	91	0	-0.4%
18.5%	91	91	0	-0.5%
19.8%	91	91	0	-0.5%
21.0%	91	91	0	-0.4%
22.2%	91	91	0	-0.4%
23.5%	91	91	0	-0.4%
24.7%	91	91	0	-0.3%
25.9%	91	91	0	-0.3%
27.2%	91	90	0	-0.5%
28.4%	91	90	-1	-0.7%
29.6%	91	90	-1	-1.1%
30.9%	91	90	-1	-1.0%
32.1%	91	90	-1	-1.0%
33.3%	90	89	-1	-1.2%
34.6%	90	89	-1	-1.0%
35.8%	90	89	-1	-1.2%
37.0%	90	89	-1	-1.3%
38.3%	90	89	-1	-1.2%
39.5%	90	89	-1	-1.2%
40.7%	89	88	-1	-0.9%
42.0%	88	88	0	0.0%
43.2%	88	87	-1	-0.7%
44.4%	88	86	-2	-1.9%
45.7%	88	85	-3	-3.3%
46.9%	82	84	2	2.5%
48.1%	81	81	0	-0.4%
49.4%	81	81	0	-0.1%
50.6%	81	81	0	-0.1%
51.9%	81	81	0	0.0%
53.1%	81	81	0	0.0%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.2%
58.0%	81	81	0	-0.3%
59.3%	81	81	0	-0.3%
60.5%	81	79	-2	-2.9%
61.7%	78	78	0	-0.3%
63.0%	77	77	0	0.0%
64.2%	77	76	0	-0.1%
65.4%	76	76	0	0.0%
66.7%	76	76	0	0.3%
67.9%	76	76	0	0.6%
69.1%	76	76	0	0.7%
70.4%	76	76	0	0.5%
71.6%	76	76	0	0.1%
72.8%	76	76	0	0.1%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.4%
76.5%	75	75	0	0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	-0.1%
86.4%	74	74	0	-0.1%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	72	71	-1	-1.6%
92.6%	72	71	-1	-1.5%
93.8%	71	71	0	0.0%
95.1%	70	69	-1	-1.0%
96.3%	61	61	0	0.4%
97.5%	59	61	2	3.1%
98.8%	58	59	1	1.7%
100.0%	52	52	0	0.2%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	91	-2	-1.7%
1.2%	92	91	-1	-1.6%
2.5%	92	91	-1	-1.2%
3.7%	91	90	0	-0.5%
4.9%	91	90	0	-0.5%
6.2%	91	90	0	-0.4%
7.4%	91	90	-1	-0.9%
8.6%	91	90	-1	-1.1%
9.9%	91	90	-1	-1.1%
11.1%	91	90	-1	-1.1%
12.3%	91	90	-1	-1.1%
13.6%	90	90	-1	-0.8%
14.8%	90	89	-1	-0.6%
16.0%	90	89	-1	-0.8%
17.3%	90	89	-1	-1.0%
18.5%	89	89	0	-0.4%
19.8%	89	89	0	0.1%
21.0%	89	88	-1	-0.8%
22.2%	89	88	-1	-0.9%
23.5%	88	88	0	-0.4%
24.7%	87	87	0	0.1%
25.9%	87	87	0	0.0%
27.2%	87	86	0	-0.2%
28.4%	86	85	0	-0.3%
29.6%	85	85	-1	-0.9%
30.9%	85	84	-1	-1.1%
32.1%	85	84	0	-0.4%
33.3%	84	84	0	-0.1%
34.6%	84	84	0	0.0%
35.8%	84	83	0	-0.3%
37.0%	83	83	0	0.3%
38.3%	83	83	0	0.2%
39.5%	83	83	0	-0.1%
40.7%	83	82	0	-0.4%
42.0%	82	82	0	0.0%
43.2%	82	82	0	0.2%
44.4%	81	81	-1	-0.8%
45.7%	81	81	0	-0.3%
46.9%	81	80	0	-0.4%
48.1%	81	80	-1	-0.6%
49.4%	80	80	0	-0.4%
50.6%	80	80	0	-0.4%
51.9%	80	80	0	-0.2%
53.1%	80	80	0	-0.4%
54.3%	80	80	0	0.1%
55.6%	80	80	0	-0.1%
56.8%	79	79	0	-0.3%
58.0%	79	79	-1	-0.9%
59.3%	79	78	0	-0.4%
60.5%	78	78	0	-0.5%
61.7%	78	77	0	-0.1%
63.0%	76	77	1	1.7%
64.2%	75	77	2	2.6%
65.4%	75	77	2	2.5%
66.7%	73	76	2	3.3%
67.9%	72	74	2	3.3%
69.1%	71	73	2	3.4%
70.4%	70	71	1	1.9%
71.6%	69	71	2	2.8%
72.8%	69	71	2	3.0%
74.1%	69	69	0	-0.4%
75.3%	68	68	0	-0.7%
76.5%	65	67	1	2.0%
77.8%	65	65	0	-0.5%
79.0%	65	63	-1	-2.1%
80.2%	63	63	0	-0.4%
81.5%	62	62	0	-0.3%
82.7%	62	62	0	-0.1%
84.0%	62	62	0	0.1%
85.2%	57	59	1	2.0%
86.4%	56	57	2	3.5%
87.7%	55	55	0	0.1%
88.9%	55	55	0	-0.6%
90.1%	53	53	0	-0.7%
91.4%	52	53	0	0.1%
92.6%	52	52	0	-0.5%
93.8%	51	51	0	0.8%
95.1%	50	51	0	0.6%
96.3%	49	49	0	0.0%
97.5%	49	49	0	0.2%
98.8%	48	48	0	0.1%
100.0%	47	47	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	90	3	3.5%
1.2%	86	88	2	2.5%
2.5%	86	87	1	1.6%
3.7%	86	87	1	1.0%
4.9%	85	85	0	0.0%
6.2%	85	84	-1	-1.0%
7.4%	85	83	-1	-1.7%
8.6%	85	83	-1	-1.6%
9.9%	85	83	-2	-1.8%
11.1%	84	83	-1	-1.7%
12.3%	84	83	-1	-1.5%
13.6%	84	83	-1	-1.4%
14.8%	84	83	-1	-1.5%
16.0%	83	82	-1	-1.1%
17.3%	83	82	-1	-1.1%
18.5%	82	82	0	-0.5%
19.8%	82	82	0	-0.4%
21.0%	81	81	0	0.2%
22.2%	81	81	0	0.6%
23.5%	81	81	0	0.1%
24.7%	81	81	0	0.1%
25.9%	81	81	0	0.0%
27.2%	81	80	-1	-0.8%
28.4%	80	80	0	-0.2%
29.6%	80	80	0	0.1%
30.9%	79	80	0	0.6%
32.1%	79	79	0	-0.3%
33.3%	79	78	-1	-1.0%
34.6%	78	78	0	-0.3%
35.8%	76	76	0	0.3%
37.0%	75	75	0	-0.6%
38.3%	73	74	1	1.1%
39.5%	73	74	1	1.7%
40.7%	73	74	1	1.9%
42.0%	72	73	2	2.4%
43.2%	71	73	2	2.8%
44.4%	71	73	2	2.8%
45.7%	71	72	1	1.7%
46.9%	71	72	1	1.6%
48.1%	70	72	1	2.0%
49.4%	70	72	1	1.9%
50.6%	69	71	2	2.6%
51.9%	69	71	1	2.1%
53.1%	69	71	2	2.6%
54.3%	68	68	0	0.1%
55.6%	67	68	1	1.7%
56.8%	67	68	1	1.8%
58.0%	66	67	1	1.2%
59.3%	65	65	0	0.5%
60.5%	63	64	1	1.4%
61.7%	62	63	2	2.7%
63.0%	60	60	0	0.3%
64.2%	59	59	0	-0.2%
65.4%	58	59	1	1.8%
66.7%	57	58	1	1.7%
67.9%	57	57	0	0.1%
69.1%	55	56	1	1.6%
70.4%	55	56	1	1.5%
71.6%	55	56	1	2.0%
72.8%	54	55	1	1.7%
74.1%	54	55	1	1.2%
75.3%	53	54	1	1.3%
76.5%	53	53	1	1.1%
77.8%	52	52	0	0.6%
79.0%	50	51	0	0.9%
80.2%	50	50	0	-0.2%
81.5%	50	50	0	0.2%
82.7%	50	50	0	0.3%
84.0%	49	50	0	0.3%
85.2%	49	49	0	0.5%
86.4%	49	49	0	-0.5%
87.7%	48	49	0	0.3%
88.9%	48	49	0	0.5%
90.1%	48	48	0	0.3%
91.4%	48	48	0	0.5%
92.6%	48	48	0	0.2%
93.8%	48	48	0	-0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.1%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

Table SQ-01-5b
X2, Monthly Position
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	83	87	5	5.8%
1.2%	82	84	2	2.0%
2.5%	82	83	0	0.4%
3.7%	82	81	-1	-1.2%
4.9%	81	80	-1	-1.2%
6.2%	81	80	-2	-1.9%
7.4%	80	80	0	-0.3%
8.6%	78	78	1	0.7%
9.9%	77	77	0	0.6%
11.1%	77	76	-1	-0.8%
12.3%	77	76	-1	-0.9%
13.6%	76	76	0	0.1%
14.8%	75	76	0	0.6%
16.0%	74	76	1	2.0%
17.3%	74	75	1	1.6%
18.5%	73	74	1	1.0%
19.8%	73	74	1	1.3%
21.0%	72	73	1	1.9%
22.2%	72	73	1	1.3%
23.5%	71	71	0	-0.2%
24.7%	71	71	0	0.1%
25.9%	70	71	1	1.4%
27.2%	68	71	3	3.9%
28.4%	67	69	2	2.7%
29.6%	67	69	2	2.8%
30.9%	67	68	1	1.8%
32.1%	66	67	0	0.6%
33.3%	66	67	1	0.8%
34.6%	66	66	1	1.0%
35.8%	65	66	1	1.6%
37.0%	65	65	1	1.0%
38.3%	65	65	1	0.9%
39.5%	64	65	1	1.7%
40.7%	63	64	1	1.4%
42.0%	63	64	1	1.9%
43.2%	63	64	1	2.1%
44.4%	63	64	1	1.9%
45.7%	61	62	1	1.6%
46.9%	61	61	0	0.7%
48.1%	59	60	1	1.6%
49.4%	59	59	1	1.3%
50.6%	59	59	1	1.2%
51.9%	58	59	1	1.0%
53.1%	58	58	0	0.4%
54.3%	58	57	0	-0.1%
55.6%	56	57	0	0.5%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	1	1.0%
60.5%	54	55	1	1.6%
61.7%	54	54	0	0.7%
63.0%	53	54	1	1.1%
64.2%	53	53	1	1.2%
65.4%	53	53	0	0.9%
66.7%	53	53	0	0.3%
67.9%	51	52	1	1.8%
69.1%	51	52	1	1.8%
70.4%	51	52	1	1.0%
71.6%	51	52	0	0.8%
72.8%	51	51	0	0.4%
74.1%	50	50	0	-0.2%
75.3%	49	49	0	-0.1%
76.5%	49	49	0	-0.5%
77.8%	49	49	0	0.1%
79.0%	49	49	0	0.0%
80.2%	48	48	0	0.1%
81.5%	48	48	0	0.2%
82.7%	48	48	0	0.2%
84.0%	48	48	0	-0.1%
85.2%	48	48	0	0.3%
86.4%	48	48	0	0.2%
87.7%	48	48	0	0.1%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.1%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.3%
93.8%	47	47	0	0.0%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	0	0.4%
1.2%	82	81	-1	-0.7%
2.5%	80	80	0	0.4%
3.7%	79	79	0	-0.1%
4.9%	79	79	0	-0.5%
6.2%	79	79	-1	-0.7%
7.4%	79	78	-1	-0.8%
8.6%	77	77	0	0.2%
9.9%	76	76	1	1.0%
11.1%	75	76	1	1.2%
12.3%	75	76	1	1.2%
13.6%	74	75	1	1.5%
14.8%	74	75	1	1.6%
16.0%	74	74	1	0.7%
17.3%	74	74	1	0.7%
18.5%	74	74	0	0.4%
19.8%	73	73	0	-0.1%
21.0%	67	70	3	4.9%
22.2%	67	69	2	2.8%
23.5%	66	69	2	3.5%
24.7%	66	68	2	2.8%
25.9%	66	68	2	3.2%
27.2%	65	67	2	3.1%
28.4%	65	67	2	3.4%
29.6%	65	67	2	3.3%
30.9%	65	67	2	3.5%
32.1%	65	67	2	3.0%
33.3%	65	67	2	3.0%
34.6%	64	66	2	2.8%
35.8%	64	66	2	2.5%
37.0%	64	66	2	2.8%
38.3%	64	66	2	3.5%
39.5%	63	66	2	3.3%
40.7%	63	65	1	2.3%
42.0%	63	65	2	2.4%
43.2%	63	64	1	2.2%
44.4%	62	64	2	3.1%
45.7%	62	64	2	2.8%
46.9%	61	63	2	2.5%
48.1%	61	63	2	2.8%
49.4%	61	63	2	3.3%
50.6%	60	62	2	3.4%
51.9%	60	61	1	2.3%
53.1%	60	61	1	1.8%
54.3%	58	60	1	2.2%
55.6%	58	60	1	2.3%
56.8%	58	59	1	1.6%
58.0%	58	59	1	1.5%
59.3%	58	59	1	1.8%
60.5%	57	58	1	1.5%
61.7%	57	58	1	2.0%
63.0%	57	58	1	2.0%
64.2%	57	57	1	1.2%
65.4%	57	57	1	1.0%
66.7%	56	57	0	0.9%
67.9%	54	55	1	1.8%
69.1%	54	55	0	0.3%
70.4%	54	54	1	1.0%
71.6%	53	54	1	1.8%
72.8%	53	54	1	1.3%
74.1%	51	52	1	1.6%
75.3%	51	51	0	0.9%
76.5%	51	51	0	0.0%
77.8%	50	51	0	0.7%
79.0%	50	50	0	0.7%
80.2%	50	50	0	0.9%
81.5%	50	50	0	0.7%
82.7%	49	50	0	0.8%
84.0%	49	50	0	0.9%
85.2%	49	49	0	0.7%
86.4%	49	49	0	0.7%
87.7%	49	49	0	0.7%
88.9%	48	49	0	0.5%
90.1%	48	48	0	0.5%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.4%
93.8%	48	48	0	0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	0	0.4%
1.2%	82	82	0	-0.3%
2.5%	80	81	0	0.1%
3.7%	80	80	0	0.1%
4.9%	79	79	0	0.1%
6.2%	79	78	-1	-1.3%
7.4%	78	78	-1	-0.7%
8.6%	77	77	0	-0.2%
9.9%	77	77	0	-0.2%
11.1%	77	77	0	0.1%
12.3%	77	77	0	-0.3%
13.6%	77	76	0	-0.4%
14.8%	76	76	0	0.5%
16.0%	75	75	1	0.9%
17.3%	74	75	0	0.4%
18.5%	74	74	1	0.9%
19.8%	74	74	1	0.7%
21.0%	72	74	2	2.6%
22.2%	72	74	2	2.2%
23.5%	71	72	2	2.5%
24.7%	71	72	1	1.5%
25.9%	70	71	1	1.7%
27.2%	70	71	1	1.1%
28.4%	70	70	1	0.9%
29.6%	69	70	1	1.5%
30.9%	69	70	1	0.9%
32.1%	69	70	1	1.0%
33.3%	68	69	1	1.5%
34.6%	68	69	1	1.7%
35.8%	68	69	1	1.1%
37.0%	68	68	0	0.4%
38.3%	67	68	1	0.9%
39.5%	67	68	0	0.5%
40.7%	66	67	0	0.7%
42.0%	66	66	0	0.6%
43.2%	66	66	0	0.6%
44.4%	65	66	1	1.5%
45.7%	65	65	1	1.1%
46.9%	64	65	1	0.9%
48.1%	64	65	0	0.7%
49.4%	64	65	0	0.7%
50.6%	64	65	1	0.9%
51.9%	63	65	2	2.6%
53.1%	62	64	2	2.7%
54.3%	62	63	1	0.9%
55.6%	62	62	0	0.3%
56.8%	62	62	0	0.5%
58.0%	62	62	0	0.2%
59.3%	61	62	0	0.8%
60.5%	61	62	1	1.6%
61.7%	61	61	0	0.6%
63.0%	60	61	1	0.9%
64.2%	60	60	0	0.7%
65.4%	60	60	0	0.6%
66.7%	60	60	1	0.9%
67.9%	59	60	0	0.7%
69.1%	59	60	1	0.9%
70.4%	59	59	0	0.2%
71.6%	58	58	0	0.0%
72.8%	57	57	0	0.7%
74.1%	56	57	1	1.4%
75.3%	56	56	1	1.3%
76.5%	55	56	0	0.8%
77.8%	55	55	0	0.0%
79.0%	54	54	1	1.1%
80.2%	54	54	0	0.6%
81.5%	53	54	1	1.3%
82.7%	53	53	1	1.3%
84.0%	53	53	0	0.8%
85.2%	52	53	1	1.6%
86.4%	51	51	1	1.1%
87.7%	50	50	0	0.2%
88.9%	50	50	0	0.0%
90.1%	49	50	0	0.7%
91.4%	49	50	0	0.8%
92.6%	49	50	0	0.6%
93.8%	49	49	0	0.7%
95.1%	49	49	0	0.5%
96.3%	48	49	0	0.4%
97.5%	48	48	0	0.0%
98.8%	48	48	0	0.0%
100.0%	47	47	0	0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	87	0	0.1%
1.2%	87	87	0	0.1%
2.5%	86	87	0	0.5%
3.7%	85	85	0	-0.2%
4.9%	83	83	0	0.1%
6.2%	81	82	0	0.4%
7.4%	81	82	0	0.2%
8.6%	81	81	0	0.2%
9.9%	81	81	0	0.2%
11.1%	81	81	0	-0.1%
12.3%	81	80	0	-0.2%
13.6%	80	80	0	0.2%
14.8%	79	79	0	0.0%
16.0%	79	79	0	-0.2%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.4%
19.8%	78	78	0	-0.3%
21.0%	77	77	0	-0.1%
22.2%	77	77	0	-0.1%
23.5%	76	77	1	0.8%
24.7%	76	77	1	0.8%
25.9%	76	76	0	0.5%
27.2%	76	76	0	0.4%
28.4%	76	75	0	-0.5%
29.6%	76	75	-1	-0.9%
30.9%	75	75	0	-0.3%
32.1%	75	75	0	0.1%
33.3%	74	75	0	0.1%
34.6%	74	74	0	0.4%
35.8%	73	73	0	0.5%
37.0%	73	73	0	0.1%
38.3%	72	72	0	0.1%
39.5%	72	71	0	-0.4%
40.7%	71	71	0	-0.1%
42.0%	70	70	0	0.0%
43.2%	69	69	0	0.0%
44.4%	69	69	0	0.5%
45.7%	69	69	0	0.5%
46.9%	68	68	0	0.2%
48.1%	68	68	0	0.1%
49.4%	67	67	0	0.3%
50.6%	67	67	0	0.1%
51.9%	66	67	0	0.6%
53.1%	66	66	0	0.7%
54.3%	65	66	1	1.4%
55.6%	65	66	1	1.5%
56.8%	65	66	0	0.6%
58.0%	65	65	0	0.5%
59.3%	65	65	0	0.3%
60.5%	65	65	0	0.2%
61.7%	65	65	0	0.3%
63.0%	64	64	0	0.2%
64.2%	64	64	0	0.0%
65.4%	63	63	0	0.6%
66.7%	63	63	0	0.2%
67.9%	63	63	0	0.4%
69.1%	62	62	0	0.1%
70.4%	62	62	0	0.0%
71.6%	62	62	0	0.4%
72.8%	61	62	0	0.7%
74.1%	60	62	1	1.8%
75.3%	60	61	1	1.3%
76.5%	60	61	1	0.9%
77.8%	60	61	1	1.0%
79.0%	59	60	0	0.7%
80.2%	59	60	0	0.6%
81.5%	58	59	0	0.1%
82.7%	57	57	0	0.2%
84.0%	57	57	1	1.0%
85.2%	57	57	1	0.9%
86.4%	55	55	0	0.3%
87.7%	54	55	1	1.5%
88.9%	54	54	0	0.0%
90.1%	53	53	0	0.6%
91.4%	53	53	0	-0.1%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.2%
95.1%	51	52	0	0.4%
96.3%	51	51	0	0.3%
97.5%	49	50	0	0.6%
98.8%	49	49	0	0.1%
100.0%	48	49	0	0.4%

Table SQ-01-5b

X2, Monthly Position

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	90	90	0	0.1%
1.2%	90	89	-1	-0.7%
2.5%	89	89	-1	-1.0%
3.7%	89	88	-2	-2.1%
4.9%	87	86	-1	-1.2%
6.2%	86	85	-1	-1.5%
7.4%	85	85	0	-0.4%
8.6%	83	83	0	-0.2%
9.9%	83	83	0	-0.1%
11.1%	83	83	0	0.0%
12.3%	83	83	0	-0.1%
13.6%	83	82	0	-0.4%
14.8%	82	82	0	-0.3%
16.0%	82	82	-1	-0.7%
17.3%	82	82	0	-0.3%
18.5%	82	81	-1	-0.7%
19.8%	82	81	0	-0.6%
21.0%	82	81	0	-0.6%
22.2%	81	81	0	-0.3%
23.5%	81	81	0	0.0%
24.7%	81	81	0	-0.3%
25.9%	81	81	0	-0.6%
27.2%	81	81	0	-0.6%
28.4%	81	80	-1	-0.6%
29.6%	81	80	-1	-0.6%
30.9%	81	80	-1	-0.7%
32.1%	81	80	-1	-0.7%
33.3%	81	80	-1	-0.7%
34.6%	81	80	-1	-0.7%
35.8%	81	80	-1	-0.8%
37.0%	80	80	0	-0.4%
38.3%	80	80	0	-0.5%
39.5%	80	80	0	-0.3%
40.7%	80	79	0	-0.6%
42.0%	79	79	0	-0.6%
43.2%	79	78	-1	-1.0%
44.4%	78	78	0	-0.6%
45.7%	78	77	0	-0.6%
46.9%	77	77	0	-0.5%
48.1%	77	76	0	-0.6%
49.4%	77	76	0	-0.6%
50.6%	77	76	-1	-0.7%
51.9%	76	76	0	-0.6%
53.1%	76	76	0	0.1%
54.3%	75	75	0	-0.5%
55.6%	75	75	-1	-1.0%
56.8%	75	75	-1	-1.0%
58.0%	75	75	0	-0.5%
59.3%	75	74	-1	-0.7%
60.5%	75	74	-1	-0.7%
61.7%	75	74	-1	-0.7%
63.0%	74	74	0	-0.7%
64.2%	73	73	0	0.0%
65.4%	73	73	0	-0.1%
66.7%	73	73	0	-0.3%
67.9%	73	72	-1	-1.1%
69.1%	72	72	0	-0.3%
70.4%	72	71	-1	-1.0%
71.6%	72	71	-1	-1.3%
72.8%	71	70	-1	-1.0%
74.1%	69	69	0	-0.5%
75.3%	69	69	0	-0.2%
76.5%	69	69	0	0.0%
77.8%	68	67	0	-0.7%
79.0%	68	67	-1	-1.3%
80.2%	67	66	0	-0.4%
81.5%	66	66	0	0.0%
82.7%	65	65	0	-0.5%
84.0%	65	64	0	-0.3%
85.2%	65	64	0	-0.1%
86.4%	64	64	1	1.0%
87.7%	63	63	-1	-0.8%
88.9%	63	62	0	-0.6%
90.1%	59	59	0	-0.5%
91.4%	58	58	0	0.0%
92.6%	57	57	0	-0.4%
93.8%	57	56	-1	-1.1%
95.1%	56	56	0	-0.4%
96.3%	56	56	0	0.1%
97.5%	55	55	0	-0.3%
98.8%	50	50	0	0.1%
100.0%	49	49	0	0.1%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	91	0	0.1%
1.2%	91	89	-2	-1.9%
2.5%	89	89	-1	-0.8%
3.7%	89	88	-1	-1.5%
4.9%	89	87	-1	-1.7%
6.2%	88	86	-1	-1.5%
7.4%	87	86	-1	-1.0%
8.6%	86	86	0	-0.3%
9.9%	86	86	0	-0.4%
11.1%	86	86	0	-0.4%
12.3%	86	86	0	-0.3%
13.6%	86	85	0	-0.5%
14.8%	86	85	-1	-0.8%
16.0%	86	85	-1	-1.1%
17.3%	85	84	-1	-1.1%
18.5%	85	84	-1	-1.0%
19.8%	85	84	-1	-1.4%
21.0%	85	84	-1	-1.6%
22.2%	85	84	-1	-1.7%
23.5%	85	83	-1	-1.7%
24.7%	85	83	-1	-1.7%
25.9%	85	83	-1	-1.5%
27.2%	85	83	-1	-1.5%
28.4%	84	83	-1	-1.6%
29.6%	84	83	-1	-1.7%
30.9%	84	83	-1	-1.8%
32.1%	84	83	-1	-1.8%
33.3%	84	83	-1	-1.6%
34.6%	84	83	-1	-1.7%
35.8%	84	83	-1	-1.6%
37.0%	82	82	-1	-0.8%
38.3%	82	82	0	-0.3%
39.5%	82	81	-1	-0.8%
40.7%	82	81	-1	-1.2%
42.0%	81	81	-1	-1.1%
43.2%	81	80	-1	-1.6%
44.4%	81	80	-2	-2.0%
45.7%	81	80	-2	-2.1%
46.9%	81	80	-2	-2.0%
48.1%	81	79	-2	-2.3%
49.4%	81	79	-1	-1.8%
50.6%	81	79	-1	-1.8%
51.9%	81	79	-2	-2.1%
53.1%	81	79	-2	-2.2%
54.3%	80	79	-1	-1.4%
55.6%	80	79	-1	-1.4%
56.8%	80	78	-2	-2.2%
58.0%	80	78	-2	-2.3%
59.3%	80	78	-2	-2.2%
60.5%	79	78	-2	-2.3%
61.7%	79	78	-2	-2.3%
63.0%	79	77	-2	-2.3%
64.2%	79	77	-2	-2.3%
65.4%	79	77	-2	-2.2%
66.7%	79	77	-2	-2.4%
67.9%	79	77	-2	-2.7%
69.1%	79	77	-2	-2.4%
70.4%	79	77	-2	-2.4%
71.6%	78	77	-2	-2.1%
72.8%	78	76	-2	-2.3%
74.1%	78	76	-2	-2.1%
75.3%	78	76	-2	-2.5%
76.5%	78	76	-2	-2.3%
77.8%	78	76	-2	-2.4%
79.0%	77	76	-2	-2.1%
80.2%	77	76	-2	-2.3%
81.5%	77	75	-2	-2.0%
82.7%	77	75	-2	-2.2%
84.0%	76	75	-2	-2.1%
85.2%	75	74	-1	-1.4%
86.4%	75	73	-2	-2.1%
87.7%	75	73	-2	-2.1%
88.9%	74	73	-1	-2.0%
90.1%	73	72	-1	-1.5%
91.4%	72	72	0	-0.2%
92.6%	72	71	-1	-1.7%
93.8%	70	70	0	-0.5%
95.1%	70	70	0	-0.1%
96.3%	68	67	-1	-2.1%
97.5%	62	63	0	0.3%
98.8%	61	61	0	0.2%
100.0%	57	57	0	0.1%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	92	1	1.1%
1.2%	90	91	0	0.4%
2.5%	90	90	0	-0.2%
3.7%	90	89	0	-0.5%
4.9%	90	89	0	-0.5%
6.2%	89	89	0	-0.2%
7.4%	89	89	0	-0.6%
8.6%	89	89	-1	-0.7%
9.9%	89	88	-1	-0.7%
11.1%	88	88	-1	-0.7%
12.3%	88	87	-1	-1.3%
13.6%	87	87	-1	-0.7%
14.8%	87	87	-1	-0.7%
16.0%	87	87	-1	-1.0%
17.3%	87	86	-1	-1.2%
18.5%	87	86	-1	-1.1%
19.8%	87	86	-2	-1.8%
21.0%	87	86	-2	-1.8%
22.2%	87	85	-2	-1.9%
23.5%	87	85	-2	-2.0%
24.7%	87	85	-2	-2.0%
25.9%	87	85	-2	-2.0%
27.2%	87	85	-2	-1.9%
28.4%	87	85	-2	-1.8%
29.6%	86	85	-1	-1.6%
30.9%	86	85	-1	-1.7%
32.1%	86	85	-1	-1.6%
33.3%	86	85	-1	-1.6%
34.6%	86	85	-1	-1.6%
35.8%	86	85	-1	-1.4%
37.0%	86	85	-1	-1.5%
38.3%	86	85	-1	-1.6%
39.5%	86	85	-1	-1.5%
40.7%	86	85	-1	-1.5%
42.0%	86	85	-1	-1.5%
43.2%	86	84	-1	-1.6%
44.4%	86	84	-1	-1.5%
45.7%	86	84	-1	-1.4%
46.9%	86	84	-1	-1.4%
48.1%	86	84	-1	-1.4%
49.4%	86	84	-1	-1.5%
50.6%	86	84	-1	-1.6%
51.9%	85	84	-1	-1.5%
53.1%	85	84	-1	-1.5%
54.3%	85	84	-1	-1.4%
55.6%	85	84	-1	-1.2%
56.8%	85	84	-1	-1.2%
58.0%	85	84	-1	-1.2%
59.3%	85	84	-1	-1.2%
60.5%	85	84	-1	-1.2%
61.7%	85	84	-1	-1.1%
63.0%	85	84	-1	-1.1%
64.2%	85	84	-1	-1.1%
65.4%	85	84	-1	-1.0%
66.7%	85	84	-1	-1.1%
67.9%	85	83	-1	-1.3%
69.1%	84	83	-1	-1.4%
70.4%	84	83	-1	-1.4%
71.6%	84	83	-1	-1.4%
72.8%	84	83	-1	-1.3%
74.1%	84	83	-1	-1.3%
75.3%	84	83	-1	-1.7%
76.5%	84	83	-1	-1.5%
77.8%	84	82	-2	-1.9%
79.0%	84	82	-2	-2.3%
80.2%	84	82	-2	-2.4%
81.5%	84	82	-2	-2.0%
82.7%	83	82	-1	-1.7%
84.0%	83	82	-1	-1.8%
85.2%	83	81	-1	-1.8%
86.4%	83	81	-2	-2.3%
87.7%	83	81	-2	-2.7%
88.9%	83	81	-2	-2.6%
90.1%	83	81	-2	-2.6%
91.4%	83	80	-2	-2.6%
92.6%	82	80	-2	-2.6%
93.8%	82	80	-2	-2.1%
95.1%	82	80	-2	-2.4%
96.3%	82	79	-2	-2.9%
97.5%	75	77	2	2.6%
98.8%	70	69	-2	-2.7%
100.0%	67	66	-2	-2.3%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative B Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	93	0	0.3%
1.2%	92	93	1	0.7%
2.5%	92	92	0	0.3%
3.7%	92	92	0	0.1%
4.9%	92	92	0	0.1%
6.2%	92	92	0	0.0%
7.4%	91	91	0	-0.3%
8.6%	91	91	0	-0.5%
9.9%	91	91	-1	-0.8%
11.1%	91	90	-1	-0.7%
12.3%	91	90	-1	-0.9%
13.6%	91	90	-1	-0.8%
14.8%	90	90	-1	-0.6%
16.0%	90	90	-1	-0.6%
17.3%	90	89	-1	-0.8%
18.5%	90	89	-1	-0.9%
19.8%	90	89	-1	-1.1%
21.0%	90	89	-1	-1.0%
22.2%	90	89	-1	-1.3%
23.5%	90	89	-1	-1.5%
24.7%	90	88	-1	-1.5%
25.9%	90	88	-1	-1.5%
27.2%	90	88	-1	-1.5%
28.4%	90	88	-2	-1.8%
29.6%	90	88	-2	-1.9%
30.9%	90	88	-2	-1.9%
32.1%	90	88	-2	-2.1%
33.3%	90	88	-2	-2.2%
34.6%	89	88	-2	-2.1%
35.8%	89	88	-2	-2.1%
37.0%	89	87	-2	-2.0%
38.3%	89	87	-2	-2.1%
39.5%	89	87	-2	-2.2%
40.7%	89	87	-2	-2.3%
42.0%	89	87	-2	-2.4%
43.2%	89	87	-2	-2.4%
44.4%	89	87	-2	-2.4%
45.7%	89	87	-2	-2.4%
46.9%	89	87	-2	-2.3%
48.1%	89	87	-2	-1.9%
49.4%	89	87	-2	-2.1%
50.6%	89	86	-3	-3.0%
51.9%	88	85	-3	-2.9%
53.1%	88	85	-3	-3.3%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.4%
58.0%	81	81	0	-0.4%
59.3%	81	81	0	-0.4%
60.5%	81	81	0	-0.4%
61.7%	81	81	0	-0.5%
63.0%	81	80	-1	-1.3%
64.2%	81	79	-2	-1.9%
65.4%	81	79	-1	-1.8%
66.7%	81	79	-2	-2.0%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.2%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.3%
74.1%	74	74	0	-0.4%
75.3%	74	74	0	-0.4%
76.5%	74	74	0	-0.5%
77.8%	74	74	0	-0.5%
79.0%	74	74	0	-0.5%
80.2%	74	74	0	-0.4%
81.5%	74	74	0	-0.5%
82.7%	74	74	0	-0.5%
84.0%	74	74	0	-0.5%
85.2%	74	74	0	-0.5%
86.4%	74	74	0	-0.5%
87.7%	74	74	0	-0.5%
88.9%	74	74	0	-0.5%
90.1%	74	74	0	-0.5%
91.4%	74	74	0	-0.6%
92.6%	74	73	-1	-1.7%
93.8%	74	73	-1	-1.8%
95.1%	74	73	-1	-1.8%
96.3%	74	73	-1	-1.9%
97.5%	69	71	1	1.9%
98.8%	66	67	1	2.1%
100.0%	66	67	1	2.1%

Table SW-30-5a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,090	15,637	23,085	31,464	36,638	32,437	23,161	18,934	16,432	19,394	15,017	17,468
Alternative B	11,810	16,584	22,930	30,923	36,005	30,792	22,604	18,683	16,920	20,431	15,832	18,616
Difference	720	947	-155	-541	-633	-1,644	-558	-251	488	1,037	815	1,148
Percent Difference[3]	6.5%	6.1%	-0.7%	-1.7%	-1.7%	-5.1%	-2.4%	-1.3%	3.0%	5.3%	5.4%	6.6%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,254	20,448	25,546	50,572	56,773	49,415	37,942	31,711	23,757	19,905	15,936	27,532
Alternative B	14,586	21,432	24,924	50,153	56,126	48,139	37,049	31,206	24,479	20,997	16,128	28,382
Difference	1,332	984	-623	-419	-647	-1,276	-894	-505	722	1,091	192	851
Percent Difference	10.1%	4.8%	-2.4%	-0.8%	-1.1%	-2.6%	-2.4%	-1.6%	3.0%	5.5%	1.2%	3.1%
Above Normal (15%)												
No Action Alternative	11,852	17,371	24,240	38,344	44,715	43,864	25,957	20,686	16,426	21,849	16,444	20,562
Alternative B	12,549	18,873	23,396	37,212	43,624	41,821	25,064	20,055	16,996	23,457	16,861	21,581
Difference	697	1,503	-843	-1,132	-1,090	-2,043	-893	-630	569	1,608	417	1,018
Percent Difference	5.9%	8.7%	-3.5%	-3.0%	-2.4%	-4.7%	-3.4%	-3.0%	3.5%	7.4%	2.5%	5.0%
Below Normal (17%)												
No Action Alternative	11,660	16,189	27,523	22,900	30,837	23,218	17,387	13,871	13,510	21,231	15,698	12,163
Alternative B	12,191	17,265	28,321	21,831	30,522	20,545	16,997	13,703	13,979	22,095	16,166	13,236
Difference	531	1,075	798	-1,070	-315	-2,673	-390	-169	469	864	468	1,073
Percent Difference	4.6%	6.6%	2.9%	-4.7%	-1.0%	-11.5%	-2.2%	-1.2%	3.5%	4.1%	3.0%	8.8%
Dry (22%)												
No Action Alternative	9,410	12,351	22,276	17,301	21,246	20,381	13,092	10,752	12,410	19,039	15,709	11,163
Alternative B	9,526	13,327	22,713	17,051	20,548	18,312	12,659	10,823	12,499	20,102	17,311	12,737
Difference	116	977	437	-250	-698	-2,068	-433	71	89	1,064	1,603	1,574
Percent Difference	1.2%	7.9%	2.0%	-1.4%	-3.3%	-10.1%	-3.3%	0.7%	0.7%	5.6%	10.2%	14.1%
Critical (15%)												
No Action Alternative	7,492	7,764	12,634	14,417	14,795	13,062	10,180	7,679	10,009	14,221	9,766	8,216
Alternative B	8,035	7,882	12,183	14,385	14,374	12,853	10,305	7,782	10,528	14,733	11,554	9,586
Difference	543	117	-451	-32	-421	-209	125	102	518	512	1,788	1,370
Percent Difference	7.2%	1.5%	-3.6%	-0.2%	-2.8%	-1.6%	1.2%	1.3%	5.2%	3.6%	18.3%	16.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-30-5b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

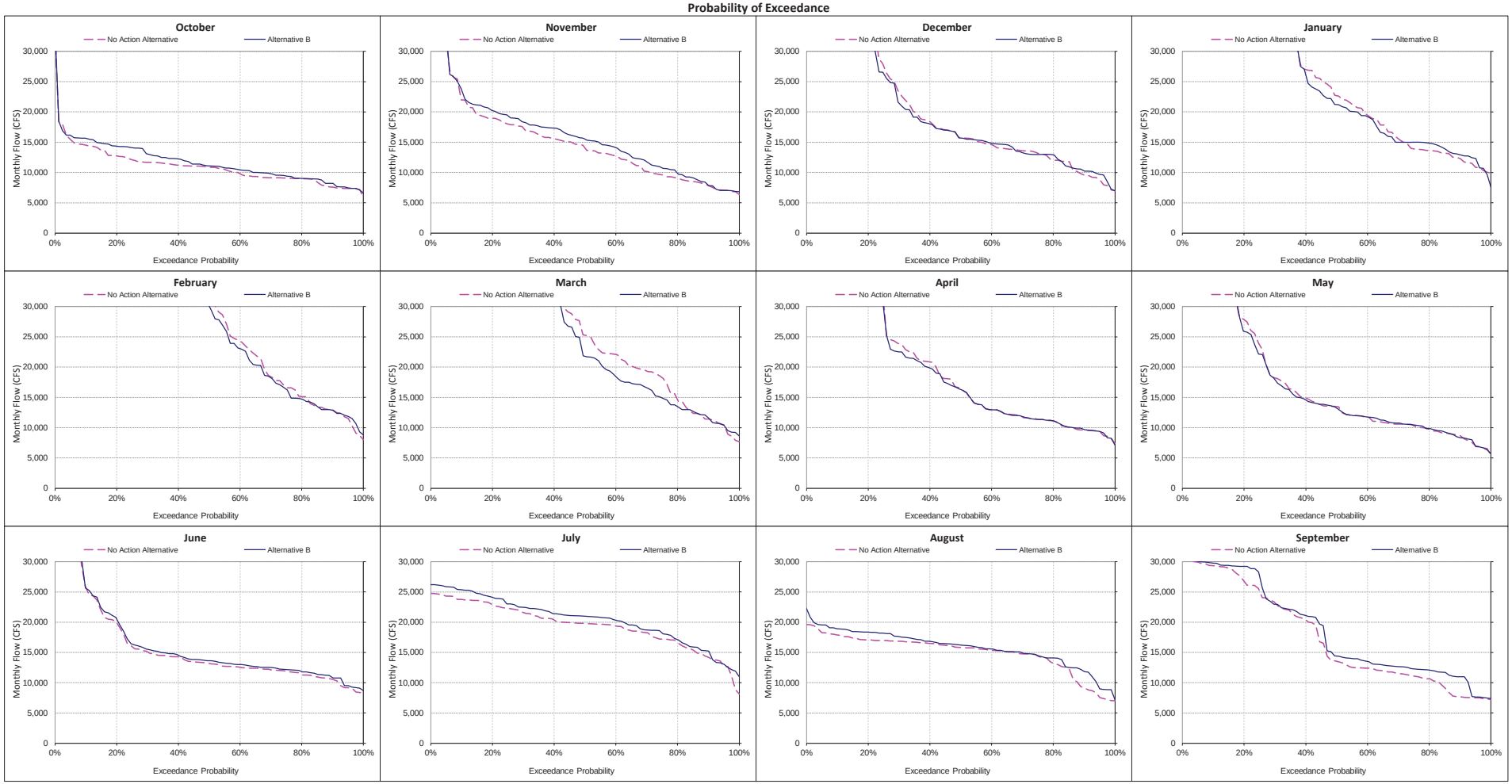

Table SW-30-5b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,212	34,610	1,398	4.2%
1.2%	18,350	18,479	129	0.7%
2.5%	17,907	16,869	-1,038	-5.8%
3.7%	16,142	16,188	45	0.3%
4.9%	15,513	16,161	649	4.2%
6.2%	14,917	15,763	846	5.7%
7.4%	14,692	15,702	1,010	6.9%
8.6%	14,649	15,680	1,030	7.0%
9.9%	14,537	15,657	1,120	7.7%
11.1%	14,364	15,495	1,132	7.9%
12.3%	14,328	15,404	1,076	7.5%
13.6%	14,144	14,972	829	5.9%
14.8%	13,736	14,859	1,123	8.2%
16.0%	13,710	14,756	1,046	7.6%
17.3%	12,820	14,689	1,869	14.6%
18.5%	12,813	14,408	1,594	12.4%
19.8%	12,788	14,358	1,570	12.3%
21.0%	12,667	14,277	1,610	12.7%
22.2%	12,610	14,265	1,655	13.1%
23.5%	12,416	14,229	1,813	14.6%
24.7%	12,162	14,118	1,955	16.1%
25.9%	11,959	14,036	2,077	17.4%
27.2%	11,786	14,019	2,232	18.9%
28.4%	11,717	13,949	2,232	19.0%
29.6%	11,694	13,093	1,399	12.0%
30.9%	11,685	12,929	1,244	10.6%
32.1%	11,683	12,788	1,106	9.5%
33.3%	11,660	12,753	1,093	9.4%
34.6%	11,546	12,491	945	8.2%
35.8%	11,474	12,482	1,008	8.8%
37.0%	11,445	12,318	873	7.6%
38.3%	11,321	12,301	981	8.7%
39.5%	11,221	12,289	1,069	9.5%
40.7%	11,178	12,209	1,031	9.2%
42.0%	11,112	11,946	833	7.5%
43.2%	11,079	11,827	748	6.7%
44.4%	11,064	11,404	341	3.1%
45.7%	11,046	11,382	337	3.0%
46.9%	11,042	11,373	331	3.0%
48.1%	10,994	11,242	248	2.3%
49.4%	10,912	11,113	201	1.8%
50.6%	10,864	11,078	214	2.0%
51.9%	10,830	11,052	221	2.0%
53.1%	10,691	11,000	309	2.9%
54.3%	10,677	10,831	154	1.4%
55.6%	10,393	10,715	323	3.1%
56.8%	10,197	10,711	515	5.0%
58.0%	10,025	10,600	575	5.7%
59.3%	10,023	10,529	506	5.1%
60.5%	9,637	10,379	742	7.7%
61.7%	9,436	10,349	913	9.7%
63.0%	9,414	10,315	901	9.6%
64.2%	9,341	9,997	656	7.0%
65.4%	9,323	9,996	673	7.2%
66.7%	9,188	9,984	796	8.7%
67.9%	9,186	9,937	752	8.2%
69.1%	9,147	9,865	718	7.8%
70.4%	9,139	9,763	624	6.8%
71.6%	9,135	9,543	408	4.5%
72.8%	9,115	9,530	415	4.6%
74.1%	9,069	9,500	432	4.8%
75.3%	9,068	9,393	325	3.6%
76.5%	9,036	9,323	287	3.2%
77.8%	9,017	9,069	52	0.6%
79.0%	8,983	9,049	66	0.7%
80.2%	8,977	9,031	54	0.6%
81.5%	8,943	8,983	40	0.4%
82.7%	8,922	8,954	32	0.4%
84.0%	8,882	8,943	61	0.7%
85.2%	8,352	8,922	570	6.8%
86.4%	7,916	8,739	823	10.4%
87.7%	7,840	8,227	387	4.9%
88.9%	7,622	8,207	585	7.7%
90.1%	7,565	8,194	628	8.3%
91.4%	7,440	7,652	212	2.9%
92.6%	7,399	7,633	234	3.2%
93.8%	7,382	7,614	232	3.1%
95.1%	7,359	7,463	104	1.4%
96.3%	7,352	7,382	31	0.4%
97.5%	7,346	7,353	7	0.1%
98.8%	7,161	7,112	-49	-0.7%
100.0%	5,863	6,594	731	12.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,763	54,582	-181	-0.3%
1.2%	48,632	47,482	-1,151	-2.4%
2.5%	47,723	46,980	-742	-1.6%
3.7%	36,344	34,782	-1,562	-4.3%
4.9%	32,307	33,840	1,533	4.7%
6.2%	26,852	26,228	-624	-2.3%
7.4%	25,711	25,798	87	0.3%
8.6%	25,440	25,048	-393	-1.5%
9.9%	21,980	23,831	1,851	8.4%
11.1%	21,952	22,111	159	0.7%
12.3%	20,765	21,577	811	3.9%
13.6%	20,678	21,266	588	2.8%
14.8%	19,554	21,151	1,597	8.2%
16.0%	19,449	21,093	1,644	8.5%
17.3%	19,204	20,803	1,599	8.3%
18.5%	18,984	20,681	1,697	8.9%
19.8%	18,966	20,280	1,314	6.9%
21.0%	18,912	20,057	1,144	6.1%
22.2%	18,699	19,740	1,041	5.6%
23.5%	18,322	19,610	1,288	7.0%
24.7%	18,041	19,535	1,494	8.3%
25.9%	17,896	19,033	1,137	6.4%
27.2%	17,883	18,994	1,111	6.2%
28.4%	17,684	18,904	1,220	6.9%
29.6%	17,573	18,391	818	4.7%
30.9%	16,850	18,229	1,379	8.2%
32.1%	16,836	17,862	1,026	6.1%
33.3%	16,696	17,838	1,142	6.8%
34.6%	16,388	17,725	1,338	8.2%
35.8%	16,010	17,501	1,491	9.3%
37.0%	15,777	17,484	1,707	10.8%
38.3%	15,772	17,390	1,619	10.3%
39.5%	15,637	17,338	1,701	10.9%
40.7%	15,475	17,314	1,839	11.9%
42.0%	15,325	17,038	1,713	11.2%
43.2%	15,174	16,579	1,405	9.3%
44.4%	15,124	16,313	1,188	7.9%
45.7%	14,977	16,140	1,163	7.8%
46.9%	14,644	15,969	1,325	9.0%
48.1%	14,640	15,762	1,122	7.7%
49.4%	14,480	15,686	1,206	8.3%
50.6%	13,637	15,330	1,693	12.4%
51.9%	13,590	15,254	1,664	12.2%
53.1%	13,589	15,215	1,626	12.0%
54.3%	13,238	15,019	1,781	13.5%
55.6%	13,181	14,577	1,396	10.6%
56.8%	13,134	14,528	1,393	10.6%
58.0%	12,973	14,388	1,415	10.9%
59.3%	12,828	14,252	1,423	11.1%
60.5%	12,632	13,987	1,355	10.7%
61.7%	12,185	13,505	1,320	10.8%
63.0%	12,096	13,328	1,232	10.2%
64.2%	12,010	13,007	997	8.3%
65.4%	11,482	12,457	975	8.5%
66.7%	11,153	12,307	1,154	10.3%
67.9%	11,146	12,236	1,090	9.8%
69.1%	10,229	12,080	1,850	18.1%
70.4%	10,125	11,641	1,516	15.0%
71.6%	9,885	11,234	1,349	13.6%
72.8%	9,803	11,104	1,302	13.3%
74.1%	9,688	10,972	1,284	13.3%
75.3%	9,606	10,689	1,083	11.3%
76.5%	9,310	10,640	1,330	14.3%
77.8%	9,287	10,467	1,181	12.7%
79.0%	9,185	10,424	1,239	13.5%
80.2%	9,031	9,713	682	7.6%
81.5%	8,798	9,632	835	9.5%
82.7%	8,688	9,246	558	6.4%
84.0%	8,551	9,239	688	8.0%
85.2%	8,503	9,089	586	6.9%
86.4%	8,400	8,779	379	4.5%
87.7%	8,264	8,515	251	3.0%
88.9%	8,119	8,400	280	3.5%
90.1%	7,805	7,853	47	0.6%
91.4%	7,533	7,793	260	3.5%
92.6%	7,145	7,207	62	0.9%
93.8%	7,120	7,056	-64	-0.9%
95.1%	7,082	7,049	-33	-0.5%
96.3%	7,049	7,032	-17	-0.2%
97.5%	6,855	7,014	159	2.3%
98.8%	6,813	6,855	42	0.6%
100.0%	6,366	6,813	447	7.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,489	76,501	12	0.0%
1.2%	75,125	74,873	-252	-0.3%
2.5%	68,512	67,061	-1,451	-2.1%
3.7%	59,837	59,649	-188	-0.3%
4.9%	58,803	59,226	423	0.7%
6.2%	57,819	57,797	-22	0.0%
7.4%	50,471	50,119	-353	-0.7%
8.6%	50,174	50,037	-137	-0.3%
9.9%	49,883	49,133	-750	-1.5%
11.1%	48,142	47,553	-589	-1.2%
12.3%	44,746	44,248	-499	-1.1%
13.6%	43,136	39,569	-3,568	-8.3%
14.8%	40,947	39,372	-1,575	-3.8%
16.0%	36,716	38,906	2,190	6.0%
17.3%	35,122	38,259	3,137	8.9%
18.5%	35,094	35,878	784	2.2%
19.8%	34,892	35,066	174	0.5%
21.0%	33,741	32,405	-1,336	-4.0%
22.2%	33,340	29,955	-3,386	-10.2%
23.5%	28,805	26,585	-2,219	-7.7%
24.7%	27,965	26,538	-1,427	-5.1%
25.9%	26,446	25,496	-951	-3.6%
27.2%	25,448	24,847	-601	-2.4%
28.4%	25,085	24,743	-342	-1.4%
29.6%	23,520	21,628	-1,893	-8.0%
30.9%	22,606	20,928	-1,678	-7.4%
32.1%	21,894	20,407	-1,487	-6.8%
33.3%	21,312	20,351	-961	-4.5%
34.6%	20,108	19,131	-977	-4.9%
35.8%	19,786	19,123	-663	-3.4%
37.0%	18,861	18,370	-491	-2.6%
38.3%	18,738	18,226	-512	-2.7%
39.5%	18,586	18,110	-476	-2.6%
40.7%	18,043	17,899	-144	-0.8%
42.0%	17,439	17,268	-171	-1.0%
43.2%	17,299	17,156	-143	-0.8%
44.4%	17,088	16,990	-98	-0.6%
45.7%	16,984	16,972	-12	-0.1%
46.9%	16,891	16,841	-50	-0.3%
48.1%	16,681	16,712	30	0.2%
49.4%	15,797	15,705	-92	-0.6%
50.6%	15,705	15,655	-50	-0.3%
51.9%	15,647	15,494	-153	-1.0%
53.1%	15,640	15,490	-150	-1.0%
54.3%	15,511	15,431	-80	-0.5%
55.6%	15,058	15,315	257	1.7%
56.8%	14,972	15,283	311	2.1%
58.0%	14,733	15,104	371	2.5%
59.3%	14,685	14,900	216	1.5%
60.5%	14,492	14,760	268	1.9%
61.7%	14,083	14,729	646	4.6%
63.0%	14,042	14,643	601	4.3%
64.2%	13,932	14,607	675	4.8%
65.4%	13,864	14,550	686	4.9%
66.7%	13,823	14,219	396	2.9%
67.9%	13,754	13,545	-210	-1.5%
69.1%	13,668	13,436	-232	-1.7%
70.4%	13,589	13,223	-366	-2.7%
71.6%	13,560	13,007	-554	-4.1%
72.8%	13,520	13,000	-520	-3.8%
74.1%	13,352	13,000	-352	-2.6%
75.3%	13,114	13,000	-114	-0.9%
76.5%	13,057	13,000	-57	-0.4%
77.8%	12,807	13,000	193	1.5%
79.0%	12,175	13,000	825	6.8%
80.2%	12,006	12,912	906	7.5%
81.5%	12,000	12,188	187	1.6%
82.7%	11,872	11,821	-51	-0.4%
84.0%	11,808	11,093	-715	-6.1%
85.2%	11,788	10,932	-856	-7.3%
86.4%	10,279	10,728	449	4.4%
87.7%	10,171	10,606	435	4.3%
88.9%	9,789	10,564	775	7.9%
90.1%	9,556	10,223	668	7.0%
91.4%	9,509	10,208	699	7.4%
92.6%	9,208	10,183	975	10.6%
93.8%	9,182	9,887	705	7.7%
95.1%	8,808	9,680	871	9.9%
96.3%	7,937	9,571	1,634	20.6%
97.5%	7,822	8,457	636	8.1%
98.8%	7,126	7,232	106	1.5%
100.0%	6,971	6,988	17	0.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,316	78,397	81	0.1%
1.2%	77,247	77,226	-20	0.0%
2.5%	75,332	74,856	-476	-0.6%
3.7%	72,573	72,576	3	0.0%
4.9%	71,030	70,757	-273	-0.4%
6.2%	68,845	67,196	-1,649	-2.4%
7.4%	65,650	64,832	-818	-1.2%
8.6%	63,413	63,323	-91	-0.1%
9.9%	62,803	62,977	174	0.3%
11.1%	62,334	62,119	-215	-0.3%
12.3%	59,310	58,487	-823	-1.4%
13.6%	59,032	57,641	-1,391	-2.4%
14.8%	58,905	57,555	-1,351	-2.3%
16.0%	58,818	57,547	-1,271	-2.2%
17.3%	57,654	57,335	-319	-0.6%
18.5%	57,044	56,137	-907	-1.6%
19.8%	55,526	55,182	-345	-0.6%
21.0%	55,426	54,057	-1,369	-2.5%
22.2%	48,644	47,880	-764	-1.6%
23.5%	47,302	47,305	3	0.0%
24.7%	47,151	46,202	-949	-2.0%
25.9%	46,352	44,204	-2,148	-4.6%
27.2%	45,303	42,915	-2,388	-5.3%
28.4%	42,952	41,961	-991	-2.3%
29.6%	42,725	38,704	-4,020	-9.4%
30.9%	38,697	38,496	-201	-0.5%
32.1%	38,364	36,038	-2,326	-6.1%
33.3%	37,060	35,720	-1,340	-3.6%
34.6%	37,027	35,419	-1,608	-4.3%
35.8%	31,603	31,978	374	1.2%
37.0%	30,867	31,395	528	1.7%
38.3%	27,819	27,517	-302	-1.1%
39.5%	27,034	27,046	12	0.0%
40.7%	26,887	24,701	-2,186	-8.1%
42.0%	26,847	24,107	-2,740	-10.2%
43.2%	25,673	23,780	-1,893	-7.4%
44.4%	25,568	23,437	-2,131	-8.3%
45.7%	24,969	22,706	-2,263	-9.1%
46.9%	24,568	22,224	-2,344	-9.5%
48.1%	24,081	22,196	-1,885	-7.8%
49.4%	22,735	21,232	-1,503	-6.6%
50.6%	22,602	21,177	-1,425	-6.3%
51.9%	22,060	20,848	-1,212	-5.5%
53.1%	21,932	20,687	-1,246	-5.7%
54.3%	21,546	20,105	-1,441	-6.7%
55.6%	21,036	20,082	-955	-4.5%
56.8%	20,692	19,972	-720	-3.5%
58.0%	20,585	19,401	-1,184	-5.8%
59.3%	19,741	19,398	-344	-1.7%
60.5%	19,247	19,091	-156	-0.8%
61.7%	18,873	18,723	-150	-0.8%
63.0%	18,792	17,642	-1,150	-6.1%
64.2%	17,848	16,608	-1,240	-6.9%
65.4%	17,840	16,445	-1,395	-7.8%
66.7%	16,706	15,948	-757	-4.5%
67.9%	16,628	15,890	-738	-4.4%
69.1%	15,896	15,000	-896	-5.6%
70.4%	15,400	15,000	-400	-2.6%
71.6%	15,010	15,000	-10	-0.1%
72.8%	14,785	15,000	215	1.5%
74.1%	13,975	15,000	1,025	7.3%
75.3%	13,843	15,000	1,157	8.4%
76.5%	13,810	15,000	1,190	8.6%
77.8%	13,782	15,000	1,218	8.8%
79.0%	13,646	14,893	1,247	9.1%
80.2%	13,610	14,835	1,225	9.0%
81.5%	13,566	14,703	1,136	8.4%
82.7%	13,475	14,476	1,001	7.4%
84.0%	13,224	14,192	967	7.3%
85.2%	13,186	13,851	665	5.0%
86.4%	13,092	13,393	301	2.3%
87.7%	12,531	13,136	605	4.8%
88.9%	12,527	13,075	548	4.4%
90.1%	12,253	12,912	659	5.4%
91.4%	11,711	12,745	1,034	8.8%
92.6%	11,650	12,743	1,094	9.4%
93.8%	11,505	12,431	927	8.1%
95.1%	10,867	12,296	1,429	13.2%
96.3%	10,789	10,746	-43	-0.4%
97.5%	10,352	10,687	334	3.2%
98.8%	10,045	9,640	-406	-4.0%
100.0%	9,884	7,555	-2,329	-23.6%

Table SW-30-5b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,122	77,116	-5	0.0%
1.2%	74,425	74,424	-2	0.0%
2.5%	73,987	74,296	309	0.4%
3.7%	72,274	71,945	-329	-0.5%
4.9%	70,946	70,531	-415	-0.6%
6.2%	70,019	69,614	-405	-0.6%
7.4%	69,393	69,122	-271	-0.4%
8.6%	68,757	68,350	-407	-0.6%
9.9%	68,417	68,058	-359	-0.5%
11.1%	67,622	67,180	-442	-0.7%
12.3%	66,930	66,146	-784	-1.2%
13.6%	65,626	65,111	-515	-0.8%
14.8%	64,719	64,244	-475	-0.7%
16.0%	62,473	62,410	-63	-0.1%
17.3%	62,102	62,067	-36	-0.1%
18.5%	61,746	61,784	38	0.1%
19.8%	60,900	61,681	781	1.3%
21.0%	59,604	60,902	1,297	2.2%
22.2%	59,068	58,639	-429	-0.7%
23.5%	58,970	58,088	-882	-1.5%
24.7%	57,116	57,690	574	1.0%
25.9%	52,164	52,705	541	1.0%
27.2%	51,908	51,022	-887	-1.7%
28.4%	50,694	48,869	-1,825	-3.6%
29.6%	49,066	47,792	-1,273	-2.6%
30.9%	48,591	47,190	-1,401	-2.9%
32.1%	48,309	46,845	-1,464	-3.0%
33.3%	47,872	46,239	-1,633	-3.4%
34.6%	47,835	45,344	-2,491	-5.2%
35.8%	46,794	44,948	-1,846	-3.9%
37.0%	45,191	44,744	-446	-1.0%
38.3%	43,657	43,910	253	0.6%
39.5%	43,618	41,846	-1,772	-4.1%
40.7%	42,296	41,746	-550	-1.3%
42.0%	42,199	41,498	-701	-1.7%
43.2%	39,327	39,323	-4	0.0%
44.4%	36,325	34,266	-2,059	-5.7%
45.7%	34,877	34,228	-649	-1.9%
46.9%	34,268	32,287	-1,981	-5.8%
48.1%	33,715	32,209	-1,506	-4.5%
49.4%	33,690	30,643	-3,047	-9.0%
50.6%	32,667	29,404	-3,262	-10.0%
51.9%	30,188	27,970	-2,218	-7.3%
53.1%	29,101	27,826	-1,276	-4.4%
54.3%	28,636	26,870	-1,766	-6.2%
55.6%	27,112	25,882	-1,230	-4.5%
56.8%	25,138	23,914	-1,224	-4.9%
58.0%	24,731	23,907	-824	-3.3%
59.3%	24,460	23,171	-1,289	-5.3%
60.5%	24,106	22,972	-1,134	-4.7%
61.7%	23,498	22,626	-872	-3.7%
63.0%	22,884	21,152	-1,732	-7.6%
64.2%	22,302	20,440	-1,862	-8.3%
65.4%	21,823	20,330	-1,493	-6.8%
66.7%	21,408	20,283	-1,126	-5.3%
67.9%	19,649	18,624	-1,025	-5.2%
69.1%	18,623	18,519	-104	-0.6%
70.4%	18,286	18,086	-199	-1.1%
71.6%	17,809	17,324	-485	-2.7%
72.8%	17,773	17,102	-670	-3.8%
74.1%	17,049	16,650	-399	-2.3%
75.3%	16,598	16,218	-380	-2.3%
76.5%	16,575	14,887	-1,687	-10.2%
77.8%	16,247	14,872	-1,375	-8.5%
79.0%	15,184	14,844	-340	-2.2%
80.2%	15,101	14,715	-386	-2.6%
81.5%	15,098	14,333	-765	-5.1%
82.7%	13,987	14,255	268	1.9%
84.0%	13,687	13,967	280	2.0%
85.2%	13,389	13,443	54	0.4%
86.4%	13,359	13,000	-359	-2.7%
87.7%	13,081	13,000	-81	-0.6%
88.9%	13,017	13,000	-17	-0.1%
90.1%	12,887	12,847	-40	-0.3%
91.4%	12,459	12,353	-107	-0.9%
92.6%	12,381	12,349	-31	-0.3%
93.8%	11,809	12,066	257	2.2%
95.1%	11,524	11,849	325	2.8%
96.3%	10,286	11,500	1,214	11.8%
97.5%	9,135	10,675	1,540	16.9%
98.8%	8,694	9,319	625	7.2%
100.0%	8,005	8,816	811	10.1%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,595	81,595	0	0.0%
1.2%	77,524	77,567	43	0.1%
2.5%	72,447	71,991	-456	-0.6%
3.7%	70,875	70,613	-262	-0.4%
4.9%	68,126	68,126	0	0.0%
6.2%	67,712	67,387	-326	-0.5%
7.4%	67,633	67,269	-364	-0.5%
8.6%	66,279	63,946	-2,333	-3.5%
9.9%	61,320	60,175	-1,145	-1.9%
11.1%	61,114	60,099	-1,015	-1.7%
12.3%	60,631	59,723	-908	-1.5%
13.6%	59,153	57,705	-1,448	-2.4%
14.8%	57,369	56,374	-995	-1.7%
16.0%	57,351	55,755	-1,596	-2.8%
17.3%	54,792	54,731	-61	-0.1%
18.5%	54,728	52,952	-1,777	-3.2%
19.8%	52,800	50,281	-2,520	-4.8%
21.0%	48,495	47,782	-713	-1.5%
22.2%	47,746	45,717	-2,029	-4.3%
23.5%	46,957	45,501	-1,455	-3.1%
24.7%	44,695	43,321	-1,373	-3.1%
25.9%	44,518	42,183	-2,335	-5.2%
27.2%	43,310	40,289	-3,021	-7.0%
28.4%	42,981	40,188	-2,793	-6.5%
29.6%	41,569	40,018	-1,551	-3.7%
30.9%	41,529	36,883	-4,646	-11.2%
32.1%	40,468	35,640	-4,828	-11.9%
33.3%	37,756	34,922	-2,834	-7.5%
34.6%	36,262	34,836	-1,426	-3.9%
35.8%	34,599	34,305	-294	-0.8%
37.0%	34,057	33,647	-410	-1.2%
38.3%	33,906	33,428	-478	-1.4%
39.5%	33,591	31,178	-2,413	-7.2%
40.7%	32,400	30,403	-1,997	-6.2%
42.0%	32,231	30,334	-1,897	-5.9%
43.2%	29,812	27,431	-2,381	-8.0%
44.4%	29,160	26,747	-2,414	-8.3%
45.7%	28,800	26,583	-2,217	-7.7%
46.9%	27,904	25,046	-2,858	-10.2%
48.1%	27,674	24,903	-2,771	-10.0%
49.4%	25,330	21,861	-3,469	-13.7%
50.6%	25,195	21,685	-3,510	-13.9%
51.9%	24,912	21,656	-3,256	-13.1%
53.1%	23,704	21,489	-2,216	-9.3%
54.3%	22,895	21,086	-1,810	-7.9%
55.6%	22,381	20,129	-2,252	-10.1%
56.8%	22,260	19,593	-2,667	-12.0%
58.0%	22,237	19,369	-2,867	-12.9%
59.3%	22,164	18,822	-3,342	-15.1%
60.5%	22,007	18,166	-3,841	-17.5%
61.7%	21,284	17,693	-3,592	-16.9%
63.0%	20,973	17,518	-3,454	-16.5%
64.2%	20,169	17,506	-2,663	-13.2%
65.4%	20,110	17,266	-2,844	-14.1%
66.7%	19,859	17,159	-2,700	-13.6%
67.9%	19,662	17,145	-2,517	-12.8%
69.1%	19,559	16,816	-2,743	-14.0%
70.4%	19,251	16,521	-2,730	-14.2%
71.6%	19,209	16,155	-3,055	-15.9%
72.8%	18,946	15,252	-3,695	-19.5%
74.1%	18,584	15,116	-3,468	-18.7%
75.3%	18,122	14,809	-3,313	-18.3%
76.5%	17,186	14,566	-2,620	-15.2%
77.8%	15,614	13,784	-1,830	-11.7%
79.0%	15,612	13,782	-1,830	-11.7%
80.2%	14,333	13,393	-940	-6.6%
81.5%	14,310	13,000	-1,310	-9.2%
82.7%	13,350	13,000	-350	-2.6%
84.0%	12,745	13,000	255	2.0%
85.2%	12,354	12,649	295	2.4%
86.4%	12,353	12,358	5	0.0%
87.7%	12,069	12,130	61	0.5%
88.9%	11,442	12,121	679	5.9%
90.1%	11,416	11,561	145	1.3%
91.4%	11,248	10,858	-390	-3.5%
92.6%	10,976	10,704	-272	-2.5%
93.8%	10,572	10,692	121	1.1%
95.1%	10,470	10,383	-88	-0.8%
96.3%	8,902	9,509	607	6.8%
97.5%	8,576	9,261	686	8.0%
98.8%	7,910	9,216	1,306	16.5%
100.0%	7,690	8,618	928	12.1%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,146	71,736	-410	-0.6%
1.2%	67,580	67,587	7	0.0%
2.5%	64,636	64,010	-626	-1.0%
3.7%	56,997	56,994	-3	0.0%
4.9%	56,147	56,148	1	0.0%
6.2%	54,491	52,881	-1,610	-3.0%
7.4%	54,373	52,702	-1,671	-3.1%
8.6%	53,515	52,200	-1,315	-2.5%
9.9%	50,373	48,020	-2,353	-4.7%
11.1%	49,947	47,619	-2,328	-4.7%
12.3%	45,464	45,112	-352	-0.8%
13.6%	42,659	42,067	-591	-1.4%
14.8%	42,165	40,955	-1,210	-2.9%
16.0%	41,937	39,215	-2,723	-6.5%
17.3%	40,385	38,829	-1,556	-3.9%
18.5%	39,697	37,306	-2,392	-6.0%
19.8%	38,814	37,185	-1,628	-4.2%
21.0%	37,664	35,077	-2,587	-6.9%
22.2%	34,656	32,706	-1,950	-5.6%
23.5%	34,069	31,344	-2,725	-8.0%
24.7%	33,032	30,769	-2,263	-6.8%
25.9%	25,170	25,160	-10	0.0%
27.2%	24,542	22,955	-1,587	-6.5%
28.4%	24,339	22,674	-1,665	-6.8%
29.6%	23,920	22,525	-1,395	-5.8%
30.9%	23,745	22,479	-1,266	-5.3%
32.1%	22,919	21,641	-1,278	-5.6%
33.3%	22,524	21,471	-1,054	-4.7%
34.6%	22,471	21,452	-1,020	-4.5%
35.8%	21,470	21,055	-415	-1.9%
37.0%	21,047	20,757	-291	-1.4%
38.3%	20,970	20,163	-808	-3.9%
39.5%	20,915	19,928	-988	-4.7%
40.7%	20,793	19,665	-1,129	-5.4%
42.0%	20,067	19,027	-1,040	-5.2%
43.2%	18,611	18,892	281	1.5%
44.4%	18,115	17,547	-568	-3.1%
45.7%	18,102	17,297	-805	-4.4%
46.9%	18,013	16,974	-1,039	-5.8%
48.1%	16,748	16,752	4	0.0%
49.4%	16,614	16,407	-207	-1.2%
50.6%	16,145	16,148	3	0.0%
51.9%	15,772	15,776	4	0.0%
53.1%	14,837	14,922	85	0.6%
54.3%	14,092	14,094	2	0.0%
55.6%	13,860	13,871	11	0.1%
56.8%	13,744	13,775	31	0.2%
58.0%	13,150	13,117	-34	-0.3%
59.3%	12,995	13,000	5	0.0%
60.5%	12,950	12,952	2	0.0%
61.7%	12,926	12,923	-3	0.0%
63.0%	12,658	12,710	52	0.4%
64.2%	12,281	12,308	27	0.2%
65.4%	12,214	12,206	-8	-0.1%
66.7%	12,202	12,023	-179	-1.5%
67.9%	12,116	12,014	-102	-0.8%
69.1%	11,999	11,997	-2	0.0%
70.4%	11,626	11,758	133	1.1%
71.6%	11,623	11,603	-20	-0.2%
72.8%	11,509	11,463	-46	-0.4%
74.1%	11,467	11,391	-76	-0.7%
75.3%	11,358	11,356	-2	0.0%
76.5%	11,335	11,344	9	0.1%
77.8%	11,185	11,222	37	0.3%
79.0%	11,172	11,214	42	0.4%
80.2%	11,092	11,101	9	0.1%
81.5%	10,842	10,792	-50	-0.5%
82.7%	10,290	10,478	188	1.8%
84.0%	10,227	10,174	-53	-0.5%
85.2%	9,998	10,105	107	1.1%
86.4%	9,950	10,003	53	0.5%
87.7%	9,732	9,934	202	2.1%
88.9%	9,613	9,908	295	3.1%
90.1%	9,613	9,688	75	0.8%
91.4%	9,554	9,612	57	0.6%
92.6%	9,487	9,554	67	0.7%
93.8%	9,481	9,486	5	0.1%
95.1%	9,388	9,391	3	0.0%
96.3%	8,671	9,115	444	5.1%
97.5%	8,596	8,322	-274	-3.2%
98.8%	8,259	8,260	1	0.0%
100.0%	7,379	7,123	-257	-3.5%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,574	57,138	-1,436	-2.5%
1.2%	58,281	56,524	-1,757	-3.0%
2.5%	53,991	53,994	3	0.0%
3.7%	52,611	52,212	-399	-0.8%
4.9%	48,747	48,375	-372	-0.8%
6.2%	44,664	44,556	-108	-0.2%
7.4%	43,080	42,970	-110	-0.3%
8.6%	42,723	41,981	-742	-1.7%
9.9%	41,705	41,691	-14	0.0%
11.1%	40,915	40,671	-244	-0.6%
12.3%	38,953	36,929	-2,024	-5.2%
13.6%	38,441	36,864	-1,577	-4.1%
14.8%	38,212	35,599	-2,613	-6.8%
16.0%	31,737	31,994	257	0.8%
17.3%	31,247	31,673	426	1.4%
18.5%	28,233	28,223	-10	0.0%
19.8%	27,921	25,933	-1,989	-7.1%
21.0%	27,469	25,749	-1,720	-6.3%
22.2%	26,047	25,391	-655	-2.5%
23.5%	25,550	23,654	-1,896	-7.4%
24.7%	23,997	22,139	-1,858	-7.7%
25.9%	22,916	22,072	-843	-3.7%
27.2%	20,355	20,361	5	0.0%
28.4%	18,655	18,685	30	0.2%
29.6%	18,237	18,170	-68	-0.4%
30.9%	18,092	17,328	-765	-4.2%
32.1%	17,722	16,911	-811	-4.6%
33.3%	17,328	16,418	-911	-5.3%
34.6%	16,417	16,314	-103	-0.6%
35.8%	16,312	15,537	-775	-4.8%
37.0%	15,727	15,049	-678	-4.3%
38.3%	15,101	14,968	-133	-0.9%
39.5%	14,992	14,744	-248	-1.7%
40.7%	14,743	14,341	-402	-2.7%
42.0%	14,340	14,172	-169	-1.2%
43.2%	14,171	14,033	-138	-1.0%
44.4%	13,843	13,878	35	0.3%
45.7%	13,609	13,847	238	1.7%
46.9%	13,551	13,725	173	1.3%
48.1%	13,538	13,615	77	0.6%
49.4%	13,537	13,434	-103	-0.8%
50.6%	13,433	13,038	-394	-2.9%
51.9%	12,438	12,550	112	0.9%
53.1%	12,162	12,177	14	0.1%
54.3%	12,053	12,109	57	0.5%
55.6%	12,046	11,984	-62	-0.5%
56.8%	11,988	11,964	-23	-0.2%
58.0%	11,932	11,935	3	0.0%
59.3%	11,731	11,830	99	0.8%
60.5%	11,699	11,733	34	0.3%
61.7%	11,064	11,705	641	5.8%
63.0%	11,039	11,567	528	4.8%
64.2%	10,978	11,254	276	2.5%
65.4%	10,847	11,228	381	3.5%
66.7%	10,775	10,965	190	1.8%
67.9%	10,616	10,820	204	1.9%
69.1%	10,605	10,755	149	1.4%
70.4%	10,585	10,745	160	1.5%
71.6%	10,575	10,617	42	0.4%
72.8%	10,545	10,544	-1	0.0%
74.1%	10,539	10,494	-46	-0.4%
75.3%	10,247	10,447	200	2.0%
76.5%	10,042	10,334	292	2.9%
77.8%	10,014	10,248	234	2.3%
79.0%	9,909	9,832	-77	-0.8%
80.2%	9,720	9,831	111	1.1%
81.5%	9,456	9,683	227	2.4%
82.7%	9,437	9,521	84	0.9%
84.0%	9,159	9,473	314	3.4%
85.2%	9,081	9,252	171	1.9%
86.4%	9,073	8,991	-82	-0.9%
87.7%	8,895	8,899	3	0.0%
88.9%	8,850	8,522	-329	-3.7%
90.1%	8,649	8,346	-304	-3.5%
91.4%	8,150	8,303	153	1.9%
92.6%	7,865	8,137	272	3.5%
93.8%	7,569	7,983	413	5.5%
95.1%	6,982	6,879	-103	-1.5%
96.3%	6,854	6,812	-42	-0.6%
97.5%	6,658	6,668	10	0.2%
98.8%	6,588	6,311	-277	-4.2%
100.0%	5,458	5,698	240	4.4%

Table SW-30-5b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,036	60,982	-55	-0.1%
1.2%	50,918	50,790	-127	-0.2%
2.5%	37,741	38,699	958	2.5%
3.7%	37,471	38,678	1,207	3.2%
4.9%	35,750	38,201	2,451	6.9%
6.2%	34,962	35,431	469	1.3%
7.4%	34,150	34,622	472	1.4%
8.6%	29,402	30,490	1,088	3.7%
9.9%	25,914	25,679	-235	-0.9%
11.1%	24,469	25,252	784	3.2%
12.3%	24,357	24,366	9	0.0%
13.6%	23,671	24,168	497	2.1%
14.8%	22,031	22,499	468	2.1%
16.0%	20,775	21,732	957	4.6%
17.3%	20,496	21,565	1,069	5.2%
18.5%	20,432	21,131	698	3.4%
19.8%	20,174	20,797	623	3.1%
21.0%	19,096	19,593	497	2.6%
22.2%	18,057	18,521	464	2.6%
23.5%	16,492	17,227	735	4.5%
24.7%	16,080	16,433	353	2.2%
25.9%	15,574	16,215	641	4.1%
27.2%	15,564	16,059	494	3.2%
28.4%	15,304	15,854	550	3.6%
29.6%	15,229	15,574	344	2.3%
30.9%	14,821	15,426	605	4.1%
32.1%	14,790	15,282	492	3.3%
33.3%	14,530	15,186	656	4.5%
34.6%	14,510	14,992	483	3.3%
35.8%	14,501	14,915	414	2.9%
37.0%	14,350	14,817	466	3.2%
38.3%	14,309	14,797	488	3.4%
39.5%	14,299	14,688	389	2.7%
40.7%	14,295	14,344	49	0.3%
42.0%	13,800	14,165	365	2.6%
43.2%	13,525	13,915	390	2.9%
44.4%	13,506	13,830	324	2.4%
45.7%	13,428	13,829	401	3.0%
46.9%	13,363	13,786	423	3.2%
48.1%	13,310	13,712	402	3.0%
49.4%	13,286	13,641	355	2.7%
50.6%	13,133	13,639	505	3.8%
51.9%	13,064	13,545	481	3.7%
53.1%	12,975	13,397	422	3.3%
54.3%	12,727	13,308	581	4.6%
55.6%	12,718	13,219	500	3.9%
56.8%	12,683	13,158	475	3.7%
58.0%	12,674	13,061	388	3.1%
59.3%	12,600	13,018	418	3.3%
60.5%	12,473	13,000	527	4.2%
61.7%	12,458	12,911	453	3.6%
63.0%	12,422	12,775	353	2.8%
64.2%	12,422	12,731	309	2.5%
65.4%	12,411	12,655	244	2.0%
66.7%	12,326	12,564	237	1.9%
67.9%	12,255	12,561	306	2.5%
69.1%	12,223	12,543	320	2.6%
70.4%	12,063	12,516	452	3.8%
71.6%	12,055	12,414	359	3.0%
72.8%	12,012	12,238	226	1.9%
74.1%	11,969	12,218	249	2.1%
75.3%	11,809	12,160	351	3.0%
76.5%	11,768	12,124	356	3.0%
77.8%	11,707	12,065	358	3.1%
79.0%	11,670	12,043	373	3.2%
80.2%	11,281	11,786	505	4.5%
81.5%	11,277	11,786	509	4.5%
82.7%	11,253	11,683	430	3.8%
84.0%	11,028	11,562	534	4.8%
85.2%	10,959	11,386	426	3.9%
86.4%	10,829	11,345	515	4.8%
87.7%	10,773	11,249	476	4.4%
88.9%	10,708	11,198	490	4.6%
90.1%	10,501	10,790	288	2.7%
91.4%	10,302	10,786	485	4.7%
92.6%	9,508	10,780	1,272	13.4%
93.8%	9,194	9,528	334	3.6%
95.1%	9,170	9,505	335	3.7%
96.3%	9,086	9,284	198	2.2%
97.5%	8,484	9,196	712	8.4%
98.8%	8,372	9,114	742	8.9%
100.0%	8,321	8,705	384	4.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,756	26,230	1,474	6.0%
1.2%	24,741	26,229	1,489	6.0%
2.5%	24,631	26,109	1,478	6.0%
3.7%	24,568	26,047	1,479	6.0%
4.9%	24,314	25,880	1,565	6.4%
6.2%	24,306	25,832	1,527	6.3%
7.4%	24,265	25,793	1,528	6.3%
8.6%	23,778	25,409	1,631	6.9%
9.9%	23,768	25,377	1,609	6.8%
11.1%	23,696	25,303	1,607	6.8%
12.3%	23,693	25,300	1,607	6.8%
13.6%	23,593	25,125	1,532	6.5%
14.8%	23,591	24,792	1,202	5.1%
16.0%	23,560	24,693	1,133	4.8%
17.3%	23,347	24,440	1,094	4.7%
18.5%	23,328	24,306	978	4.2%
19.8%	22,977	24,166	1,188	5.2%
21.0%	22,663	23,926	1,263	5.6%
22.2%	22,570	23,891	1,321	5.9%
23.5%	22,387	23,816	1,429	6.4%
24.7%	22,360	23,023	663	3.0%
25.9%	22,219	23,015	796	3.6%
27.2%	22,141	22,910	768	3.5%
28.4%	22,018	22,513	495	2.2%
29.6%	21,673	22,481	808	3.7%
30.9%	21,469	22,433	964	4.5%
32.1%	21,409	22,279	870	4.1%
33.3%	21,083	22,267	1,183	5.6%
34.6%	21,002	22,195	1,193	5.7%
35.8%	20,650	22,081	1,431	6.9%
37.0%	20,622	21,892	1,269	6.2%
38.3%	20,618	21,751	1,133	5.5%
39.5%	20,562	21,430	868	4.2%
40.7%	20,118	21,409	1,291	6.4%
42.0%	20,025	21,318	1,293	6.5%
43.2%	19,989	21,170	1,181	5.9%
44.4%	19,972	21,140	1,168	5.8%
45.7%	19,926	21,085	1,160	5.8%
46.9%	19,872	21,064	1,193	6.0%
48.1%	19,816	21,060	1,244	6.3%
49.4%	19,816	21,000	1,185	6.0%
50.6%	19,770	20,957	1,187	6.0%
51.9%	19,750	20,907	1,157	5.9%
53.1%	19,702	20,874	1,172	5.9%
54.3%	19,661	20,825	1,164	5.9%
55.6%	19,640	20,772	1,132	5.8%
56.8%	19,627	20,725	1,099	5.6%
58.0%	19,584	20,659	1,075	5.5%
59.3%	19,458	20,424	966	5.0%
60.5%	19,327	20,261	934	4.8%
61.7%	19,286	20,160	874	4.5%
63.0%	18,822	19,897	1,076	5.7%
64.2%	18,716	19,536	820	4.4%
65.4%	18,530	19,529	999	5.4%
66.7%	18,518	19,400	882	4.8%
67.9%	18,401	18,928	528	2.9%
69.1%	18,334	18,738	404	2.2%
70.4%	18,242	18,706	464	2.5%
71.6%	17,669	18,675	1,006	5.7%
72.8%	17,453	18,673	1,220	7.0%
74.1%	17,239	18,634	1,395	8.1%
75.3%	17,183	18,059	876	5.1%
76.5%	17,172	18,002	830	4.8%
77.8%	17,064	17,831	767	4.5%
79.0%	17,051	17,312	261	1.5%
80.2%	16,499	17,064	565	3.4%
81.5%	16,091	16,597	506	3.1%
82.7%	15,817	16,361	544	3.4%
84.0%	15,686	15,977	290	1.9%
85.2%	15,332	15,910	578	3.8%
86.4%	14,880	15,859	980	6.6%
87.7%	14,851	15,335	484	3.3%
88.9%	14,410	15,320	910	6.3%
90.1%	14,157	15,211	1,053	7.4%
91.4%	13,786	13,786	0	0.0%
92.6%	13,770	13,320	-450	-3.3%
93.8%	13,581	13,283	-298	-2.2%
95.1%	12,713	13,065	352	2.8%
96.3%	12,650	12,561	-89	-0.7%
97.5%	11,020	12,149	1,129	10.2%
98.8%	8,850	11,924	3,074	34.7%
100.0%	8,127	10,971	2,845	35.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,624	22,278	2,654	13.5%
1.2%	19,564	20,820	1,256	6.4%
2.5%	19,420	19,929	509	2.6%
3.7%	18,899	19,625	726	3.8%
4.9%	18,293	19,555	1,262	6.9%
6.2%	18,225	19,531	1,307	7.2%
7.4%	18,080	19,073	993	5.5%
8.6%	18,024	19,068	1,044	5.8%
9.9%	17,917	18,934	1,017	5.7%
11.1%	17,796	18,857	1,061	6.0%
12.3%	17,626	18,829	1,203	6.8%
13.6%	17,616	18,695	1,079	6.1%
14.8%	17,413	18,450	1,037	6.0%
16.0%	17,347	18,447	1,100	6.3%
17.3%	17,156	18,413	1,257	7.3%
18.5%	17,115	18,385	1,270	7.4%
19.8%	17,065	18,378	1,313	7.7%
21.0%	17,057	18,324	1,267	7.4%
22.2%	16,973	18,311	1,337	7.9%
23.5%	16,962	18,215	1,253	7.4%
24.7%	16,958	18,185	1,227	7.2%
25.9%	16,957	18,128	1,171	6.9%
27.2%	16,914	18,109	1,195	7.1%
28.4%	16,887	17,712	825	4.9%
29.6%	16,867	17,637	770	4.6%
30.9%	16,844	17,519	676	4.0%
32.1%	16,762	17,473	711	4.2%
33.3%	16,722	17,405	683	4.1%
34.6%	16,713	17,278	565	3.4%
35.8%	16,671	17,137	467	2.8%
37.0%	16,620	17,128	508	3.1%
38.3%	16,601	16,863	262	1.6%
39.5%	16,526	16,853	327	2.0%
40.7%	16,489	16,766	277	1.7%
42.0%	16,457	16,672	215	1.3%
43.2%	16,264	16,500	236	1.4%
44.4%	16,210	16,474	263	1.6%
45.7%	16,157	16,448	291	1.8%
46.9%	16,112	16,391	279	1.7%
48.1%	15,878	16,337	458	2.9%
49.4%	15,827	16,260	433	2.7%
50.6%	15,808	16,197	389	2.5%
51.9%	15,777	16,167	390	2.5%
53.1%	15,759	16,115	356	2.3%
54.3%	15,755	15,982	227	1.4%
55.6%	15,594	15,834	240	1.5%
56.8%	15,550	15,810	260	1.7%
58.0%	15,529	15,593	64	0.4%
59.3%	15,345	15,583	238	1.5%
60.5%	15,334	15,546	212	1.4%
61.7%	15,306	15,343	38	0.2%
63.0%	15,295	15,335	40	0.3%
64.2%	15,138	15,168	30	0.2%
65.4%	15,085	15,137	52	0.3%
66.7%	15,073	15,135	63	0.4%
67.9%	14,988	15,098	110	0.7%
69.1%	14,806	15,081	275	1.9%
70.4%	14,766	14,851	84	0.6%
71.6%	14,743	14,811	68	0.5%
72.8%	14,706	14,758	52	0.4%
74.1%	14,692	14,694	2	0.0%
75.3%	14,277	14,436	159	1.1%
76.5%	14,231	14,281	50	0.3%
77.8%	14,080	14,096	16	0.1%
79.0%	13,455	14,092	638	4.7%
80.2%	13,108	14,079	971	7.4%
81.5%	13,005	14,048	1,044	8.0%
82.7%	12,665	13,781	1,115	8.8%
84.0%	12,557	12,608	51	0.4%
85.2%	12,183	12,512	329	2.7%
86.4%	10,545	12,468	1,923	18.2%
87.7%	10,131	12,447	2,316	22.9%
88.9%	9,359	12,216	2,857	30.5%
90.1%	9,130	11,827	2,697	29.5%
91.4%	8,791	11,743	2,952	33.6%
92.6%	8,663	11,000	2,337	27.0%
93.8%	8,325	10,204	1,880	22.6%
95.1%	7,540	8,986	1,445	19.2%
96.3%	7,390	8,911	1,521	20.6%
97.5%	7,227	8,862	1,635	22.6%
98.8%	7,050	8,834	1,784	25.3%
100.0%	7,023	7,182	159	2.3%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,274	31,431	156	0.5%
1.2%	30,335	30,941	606	2.0%
2.5%	30,232	30,694	462	1.5%
3.7%	30,018	30,206	188	0.6%
4.9%	29,920	30,081	161	0.5%
6.2%	29,705	29,991	285	1.0%
7.4%	29,679	29,960	281	0.9%
8.6%	29,371	29,858	487	1.7%
9.9%	29,332	29,773	441	1.5%
11.1%	29,301	29,729	429	1.5%
12.3%	29,181	29,440	259	0.9%
13.6%	29,146	29,386	240	0.8%
14.8%	28,956	29,376	420	1.5%
16.0%	28,776	29,294	518	1.8%
17.3%	28,167	29,262	1,095	3.9%
18.5%	27,727	29,247	1,519	5.5%
19.8%	26,946	29,222	2,276	8.4%
21.0%	26,123	29,210	3,087	11.8%
22.2%	26,107	28,869	2,762	10.6%
23.5%	26,085	28,843	2,758	10.6%
24.7%	25,560	28,297	2,737	10.7%
25.9%	24,068	25,629	1,561	6.5%
27.2%	24,004	23,842	-162	-0.7%
28.4%	23,642	23,476	-166	-0.7%
29.6%	23,382	22,975	-407	-1.7%
30.9%	22,721	22,928	207	0.9%
32.1%	22,304	22,392	87	0.4%
33.3%	22,131	22,274	143	0.6%
34.6%	22,029	22,148	119	0.5%
35.8%	21,308	22,079	770	3.6%
37.0%	20,917	21,768	852	4.1%
38.3%	20,758	21,312	554	2.7%
39.5%	20,598	21,163	565	2.7%
40.7%	20,046	20,969	922	4.6%
42.0%	19,894	20,911	1,017	5.1%
43.2%	19,539	20,783	1,244	6.4%
44.4%	16,781	19,731	2,950	17.6%
45.7%	16,505	19,423	2,919	17.7%
46.9%	14,362	15,254	892	6.2%
48.1%	13,726	15,144	1,418	10.3%
49.4%	13,628	14,446	818	6.0%
50.6%	13,436	14,370	934	7.0%
51.9%	13,271	14,218	946	7.1%
53.1%	12,940	14,114	1,174	9.1%
54.3%	12,616	14,046	1,430	11.3%
55.6%	12,491	13,977	1,486	11.9%
56.8%	12,486	13,966	1,480	11.9%
58.0%	12,466	13,696	1,230	9.9%
59.3%	12,425	13,600	1,175	9.5%
60.5%	12,393	13,456	1,064	8.6%
61.7%	12,339	13,071	732	5.9%
63.0%	12,069	13,054	985	8.2%
64.2%	12,028	12,989	961	8.0%
65.4%	11,929	12,878	949	8.0%
66.7%	11,790	12,825	1,035	8.8%
67.9%	11,788	12,757	969	8.2%
69.1%	11,626	12,687	1,061	9.1%
70.4%	11,468	12,664	1,196	10.4%
71.6%	11,441	12,639	1,198	10.5%
72.8%	11,325	12,523	1,198	10.6%
74.1%	11,173	12,338	1,165	10.4%
75.3%	11,070	12,251	1,181	10.7%
76.5%	11,002	12,250	1,248	11.3%
77.8%	10,770	12,173	1,402	13.0%
79.0%	10,664	12,165	1,501	14.1%
80.2%	10,648	12,047	1,400	13.1%
81.5%	10,273	12,009	1,736	16.9%
82.7%	10,273	11,786	1,513	14.7%
84.0%	9,665	11,748	2,082	21.5%
85.2%	9,115	11,717	2,602	28.5%
86.4%	8,370	11,253	2,883	34.4%
87.7%	7,802	11,067	3,265	41.8%
88.9%	7,701	11,000	3,299	42.8%
90.1%	7,674	11,000	3,326	43.3%
91.4%	7,572	11,000	3,428	45.3%
92.6%	7,565	10,069	2,504	33.1%
93.8%	7,535	7,701	166	2.2%
95.1%	7,489	7,647	159	2.1%
96.3%	7,483	7,622	138	1.8%
97.5%	7,370	7,535	165	2.2%
98.8%	7,344	7,489	144	2.0%
100.0%	7,201	7,370	168	2.3%

Table SW-31-5a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	100	413	3,334	9,711	12,487	8,325	2,476	265	126	48	100	83
Alternative B	138	379	3,164	9,206	12,130	7,639	2,293	241	125	48	100	105
Difference	39	-34	-169	-504	-356	-686	-183	-25	-1	0	0	22
Percent Difference[3]		-8.2%	-5.1%	-5.2%	-2.9%	-8.2%	-7.4%					
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	86	622	4,191	26,131	31,005	21,378	6,583	631	256	48	143	102
Alternative B	86	566	3,925	25,227	30,210	20,155	6,178	555	253	48	143	170
Difference	0	-56	-266	-904	-795	-1,223	-405	-76	-3	0	0	68
Percent Difference			-6.3%	-3.5%	-2.6%	-5.7%	-6.1%					
Above Normal (15%)												
No Action Alternative	37	859	1,440	7,385	11,958	8,418	1,424	183	66	48	95	65
Alternative B	37	656	1,471	6,469	11,324	7,103	1,179	180	66	48	95	65
Difference	0	-203	31	-917	-634	-1,315	-245	-3	0	0	0	0
Percent Difference		-23.6%	2.2%	-12.4%	-5.3%	-15.6%	-17.2%					
Below Normal (17%)												
No Action Alternative	286	278	3,321	1,047	2,780	693	568	67	66	48	114	86
Alternative B	518	250	3,179	771	2,835	440	458	67	66	48	114	86
Difference	233	-27	-142	-277	55	-253	-111	0	0	0	0	0
Percent Difference	81.4%	-9.8%	-4.3%	-26.4%	2.0%	-36.5%	-19.5%				0.0%	0.0%
Dry (22%)												
No Action Alternative	46	180	5,387	542	1,722	701	308	77	67	48	61	73
Alternative B	46	259	5,093	385	1,627	536	308	77	67	48	61	74
Difference	0	79	-294	-158	-96	-165	0	0	0	0	0	0
Percent Difference		44.2%	-5.5%	-29.1%	-5.6%	-23.5%	0.0%	0.0%				
Critical (15%)												
No Action Alternative	56	22	303	318	363	292	107	68	64	48	54	70
Alternative B	48	27	298	307	364	109	107	68	64	48	54	70
Difference	-8	5	-4	-11	0	-183	0	0	0	0	0	0
Percent Difference	-14.4%	22.1%	-1.4%	-3.6%	0.1%	-62.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-31-5b
Yolo Bypass, Monthly Flow
Probability of Exceedance

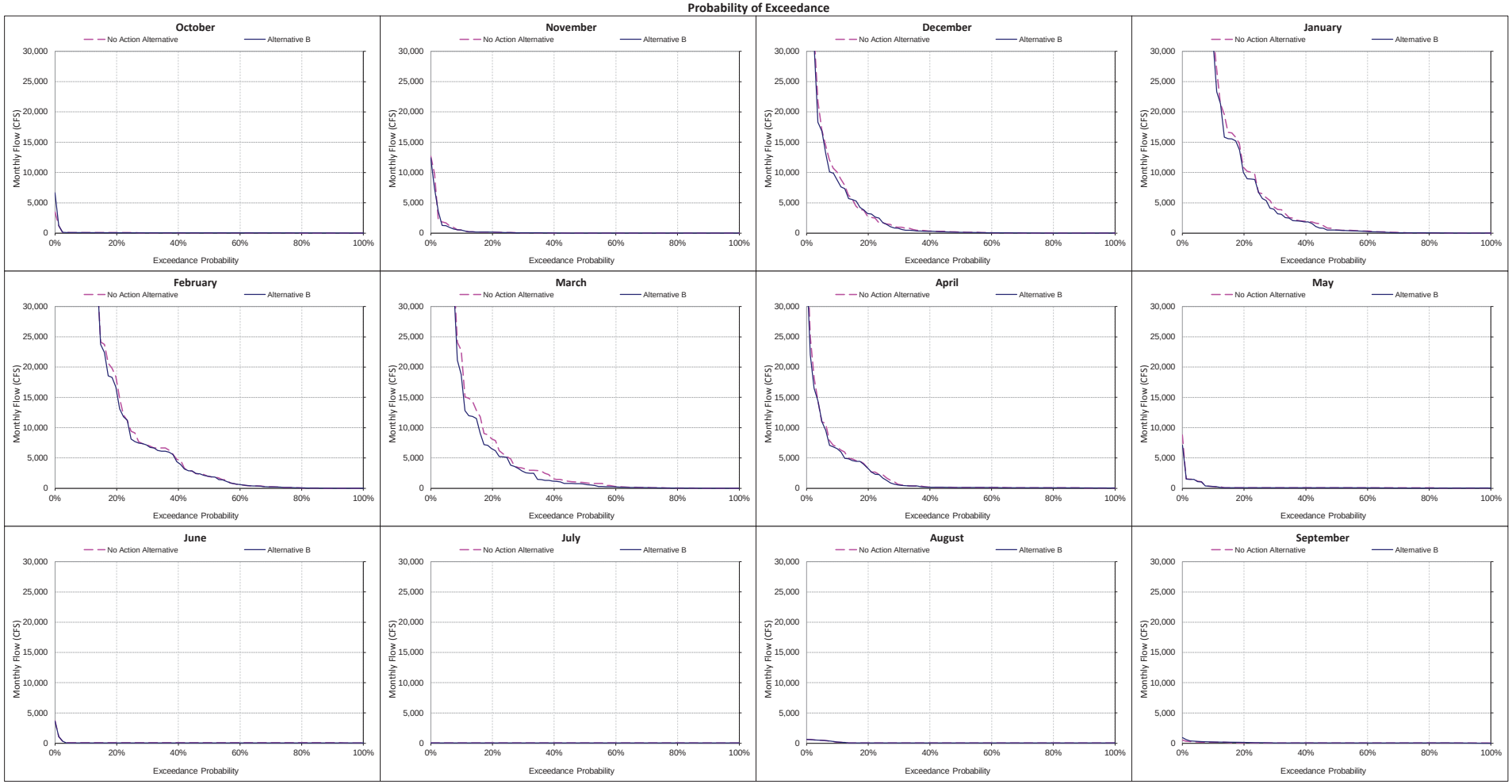

Table SW-31-5b
Yolo Bypass, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,483	6,675	3,192	91.6%
1.2%	1,201	1,201	0	0.0%
2.5%	138	126	-12	-8.6%
3.7%	132	93	-39	-29.4%
4.9%	100	83	-17	-16.6%
6.2%	93	80	-13	-14.0%
7.4%	76	76	0	0.0%
8.6%	75	75	0	0.0%
9.9%	64	64	0	0.0%
11.1%	63	63	0	0.0%
12.3%	63	63	0	0.0%
13.6%	63	63	0	0.0%
14.8%	63	63	0	0.0%
16.0%	63	63	0	0.0%
17.3%	63	63	0	0.0%
18.5%	63	63	0	0.0%
19.8%	63	63	0	0.0%
21.0%	62	62	0	0.0%
22.2%	62	62	0	0.0%
23.5%	61	61	0	0.0%
24.7%	61	61	0	0.0%
25.9%	61	61	0	0.0%
27.2%	61	61	0	0.0%
28.4%	60	60	0	0.0%
29.6%	60	60	0	0.0%
30.9%	59	59	0	0.0%
32.1%	58	58	0	0.0%
33.3%	58	58	0	0.0%
34.6%	56	56	0	0.0%
35.8%	54	54	0	0.0%
37.0%	54	54	0	0.0%
38.3%	54	54	0	0.0%
39.5%	54	54	0	0.0%
40.7%	53	53	0	0.0%
42.0%	53	53	0	0.4%
43.2%	53	53	0	0.8%
44.4%	52	53	0	0.7%
45.7%	52	52	0	0.6%
46.9%	50	52	2	3.0%
48.1%	49	50	2	3.4%
49.4%	46	49	3	6.0%
50.6%	45	46	0	0.9%
51.9%	45	45	1	1.5%
53.1%	45	45	0	0.5%
54.3%	44	45	1	1.5%
55.6%	43	44	0	1.1%
56.8%	43	43	0	0.5%
58.0%	42	43	1	2.1%
59.3%	42	42	0	0.3%
60.5%	40	42	2	5.9%
61.7%	39	40	0	1.0%
63.0%	38	39	1	3.5%
64.2%	38	38	0	0.0%
65.4%	37	38	1	2.4%
66.7%	37	37	1	1.8%
67.9%	36	37	0	1.2%
69.1%	30	35	5	18.2%
70.4%	29	30	1	2.3%
71.6%	29	29	0	1.6%
72.8%	26	29	2	9.3%
74.1%	24	26	2	10.2%
75.3%	22	24	1	5.8%
76.5%	20	22	2	12.2%
77.8%	19	20	1	7.3%
79.0%	18	19	0	2.0%
80.2%	17	18	1	8.0%
81.5%	16	17	1	8.3%
82.7%	15	16	1	7.6%
84.0%	14	15	1	6.5%
85.2%	12	14	1	11.2%
86.4%	12	12	0	3.3%
87.7%	11	12	1	10.1%
88.9%	9	11	2	25.7%
90.1%	6	9	3	44.5%
91.4%	5	6	1	
92.6%	3	3	0	
93.8%	3	3	0	
95.1%	3	3	0	
96.3%	2	2	0	
97.5%	1	1	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,700	12,420	-280	-2.2%
1.2%	9,819	7,384	-2,435	-24.8%
2.5%	2,057	3,568	1,511	73.4%
3.7%	1,840	1,244	-596	-32.4%
4.9%	1,666	1,209	-458	-27.5%
6.2%	1,168	933	-235	-20.1%
7.4%	933	655	-277	-29.7%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	51	-14	-21.9%
28.4%	51	50	-1	-1.6%
29.6%	50	49	-1	-2.4%
30.9%	49	37	-12	-24.9%
32.1%	37	36	-1	-1.8%
33.3%	36	36	0	0.0%
34.6%	35	35	0	0.0%
35.8%	35	35	0	0.0%
37.0%	25	25	0	0.0%
38.3%	20	24	4	
39.5%	12	20	8	
40.7%	10	12	2	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	10	0	
48.1%	9	9	1	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	9	0	
53.1%	7	8	1	
54.3%	7	8	1	
55.6%	7	7	1	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	5	7	1	
60.5%	5	6	1	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	4	5	0	
65.4%	3	5	2	
66.7%	2	3	1	
67.9%	1	3	2	
69.1%	0	2	1	
70.4%	0	1	1	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,534	55,651	117	0.2%
1.2%	33,854	33,052	-801	-2.4%
2.5%	32,587	31,192	-1,396	-4.3%
3.7%	21,703	18,300	-3,402	-15.7%
4.9%	17,072	16,808	-264	-1.5%
6.2%	14,512	13,097	-1,415	-9.8%
7.4%	12,098	10,099	-1,998	-16.5%
8.6%	10,736	9,876	-861	-8.0%
9.9%	10,097	8,771	-1,326	-13.1%
11.1%	8,912	7,639	-1,273	-14.3%
12.3%	7,896	7,336	-560	-7.1%
13.6%	6,264	5,704	-560	-8.9%
14.8%	5,603	5,538	-65	-1.2%
16.0%	4,427	5,263	836	18.9%
17.3%	3,872	4,221	349	9.0%
18.5%	3,804	3,829	25	0.7%
19.8%	2,817	3,222	405	14.4%
21.0%	2,614	3,159	546	20.9%
22.2%	2,489	2,639	149	6.0%
23.5%	1,715	2,486	771	45.0%
24.7%	1,711	1,738	27	1.6%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	830	-218	-20.8%
29.6%	976	800	-176	-18.0%
30.9%	967	605	-362	-37.4%
32.1%	800	470	-330	-41.3%
33.3%	790	442	-347	-44.0%
34.6%	605	411	-194	-32.0%
35.8%	470	350	-120	-25.6%
37.0%	442	330	-112	-25.4%
38.3%	411	294	-117	-28.5%
39.5%	350	285	-65	-18.6%
40.7%	330	280	-50	-15.3%
42.0%	294	265	-29	-9.9%
43.2%	281	230	-52	-18.4%
44.4%	280	192	-88	-31.4%
45.7%	265	158	-107	-40.5%
46.9%	195	158	-37	-19.2%
48.1%	192	138	-54	-28.0%
49.4%	178	135	-43	-24.3%
50.6%	158	122	-36	
51.9%	138	107	-31	
53.1%	135	102	-33	
54.3%	122	93	-29	
55.6%	107	91	-16	
56.8%	93	81	-11	
58.0%	81	63	-18	
59.3%	63	57	-7	
60.5%	57	55	-2	
61.7%	55	42	-13	
63.0%	42	42	0	
64.2%	42	41	-2	
65.4%	41	37	-3	
66.7%	37	23	-15	
67.9%	23	20	-3	
69.1%	20	13	-7	
70.4%	13	10	-3	
71.6%	10	5	-5	
72.8%	5	1	-4	
74.1%	1	1	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	132,314	129,913	-2,402	-1.8%
1.2%	113,962	111,666	-2,296	-2.0%
2.5%	68,026	64,524	-3,502	-5.1%
3.7%	56,479	56,509	30	0.1%
4.9%	44,787	40,181	-4,606	-10.3%
6.2%	38,831	39,127	297	0.8%
7.4%	35,544	33,441	-2,103	-5.9%
8.6%	33,626	32,921	-705	-2.1%
9.9%	33,533	31,928	-1,605	-4.8%
11.1%	27,199	23,319	-3,880	-14.3%
12.3%	21,343	21,339	-4	0.0%
13.6%	19,652	15,816	-3,835	-19.5%
14.8%	16,637	15,568	-1,069	-6.4%
16.0%	16,541	15,553	-987	-6.0%
17.3%	15,813	15,201	-612	-3.9%
18.5%	14,737	13,687	-1,050	-7.1%
19.8%	10,898	10,026	-871	-8.0%
21.0%	10,224	8,969	-1,255	-12.3%
22.2%	10,057	8,942	-1,115	-11.1%
23.5%	9,767	8,855	-912	-9.3%
24.7%	6,690	6,708	19	0.3%
25.9%	6,499	5,703	-795	-12.2%
27.2%	5,874	5,350	-525	-8.9%
28.4%	5,341	4,098	-1,243	-23.3%
29.6%	4,307	3,943	-363	-8.4%
30.9%	3,894	3,181	-713	-18.3%
32.1%	3,841	3,082	-759	-19.8%
33.3%	3,202	2,547	-655	-20.5%
34.6%	2,539	2,465	-74	-2.9%
35.8%	2,455	2,042	-413	-16.8%
37.0%	2,143	2,014	-129	-6.0%
38.3%	2,025	1,984	-42	-2.1%
39.5%	1,973	1,850	-123	-6.2%
40.7%	1,844	1,830	-14	-0.7%
42.0%	1,822	1,584	-238	-13.1%
43.2%	1,619	1,085	-534	-33.0%
44.4%	1,531	860	-671	-43.8%
45.7%	1,196	792	-404	-33.8%
46.9%	849	517	-332	-39.1%
48.1%	792	493	-299	-37.8%
49.4%	517	490	-28	-5.3%
50.6%	490	475	-15	-3.1%
51.9%	480	444	-36	
53.1%	447	397	-50	
54.3%	444	374	-70	
55.6%	397	371	-25	
56.8%	371	342	-30	
58.0%	342	327	-15	
59.3%	327	281	-46	
60.5%	326	232	-95	
61.7%	232	218	-14	
63.0%	218	214	-4	
64.2%	214	188	-26	
65.4%	188	132	-56	
66.7%	132	128	-3	
67.9%	128	102	-26	
69.1%	121	63	-57	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	59	61	2	
74.1%	50	59	8	
75.3%	40	50	11	
76.5%	37	40	2	
77.8%	37	37	0	
79.0%	31	37	6	
80.2%	28	31	3	
81.5%	26	26	0	
82.7%	26	26	0	
84.0%	21	21	0	
85.2%	21	21	0	
86.4%	7	7	0	
87.7%	0	3	3	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-5b
Yolo Bypass, Monthly Flow
Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	124,217	122,041	-2,176	-1.8%
1.2%	111,977	114,960	2,983	2.7%
2.5%	78,828	75,795	-3,033	-3.8%
3.7%	66,577	66,573	-4	0.0%
4.9%	65,305	63,190	-2,115	-3.2%
6.2%	49,718	48,465	-1,252	-2.5%
7.4%	45,689	46,564	875	1.9%
8.6%	44,758	42,715	-2,043	-4.6%
9.9%	44,641	42,713	-1,927	-4.3%
11.1%	41,339	38,915	-2,424	-5.9%
12.3%	40,903	38,894	-2,009	-4.9%
13.6%	36,410	36,263	-147	-0.4%
14.8%	24,165	23,745	-420	-1.7%
16.0%	23,731	22,415	-1,317	-5.5%
17.3%	20,629	18,543	-2,086	-10.1%
18.5%	19,815	18,295	-1,520	-7.7%
19.8%	18,422	16,694	-1,728	-9.4%
21.0%	14,808	13,115	-1,693	-11.4%
22.2%	12,092	11,820	-272	-2.3%
23.5%	11,163	11,238	75	0.7%
24.7%	9,422	8,130	-1,292	-13.7%
25.9%	9,126	7,703	-1,424	-15.6%
27.2%	7,655	7,461	-194	-2.5%
28.4%	7,376	7,391	14	0.2%
29.6%	7,210	7,143	-68	-0.9%
30.9%	6,945	6,734	-212	-3.0%
32.1%	6,672	6,656	-16	-0.2%
33.3%	6,654	6,242	-412	-6.2%
34.6%	6,651	6,129	-522	-7.9%
35.8%	6,648	6,096	-552	-8.3%
37.0%	6,292	5,931	-361	-5.7%
38.3%	5,608	5,558	-50	-0.9%
39.5%	4,759	4,398	-362	-7.6%
40.7%	4,631	3,949	-682	-14.7%
42.0%	3,322	3,182	-140	-4.2%
43.2%	2,887	2,894	8	0.3%
44.4%	2,823	2,829	5	0.2%
45.7%	2,410	2,418	8	0.3%
46.9%	2,361	2,369	7	0.3%
48.1%	2,309	2,151	-158	-6.9%
49.4%	1,999	2,004	4	0.2%
50.6%	1,882	1,890	8	0.4%
51.9%	1,819	1,827	8	0.4%
53.1%	1,720	1,406	-314	-18.2%
54.3%	1,406	1,365	-41	-2.9%
55.6%	1,365	1,123	-242	-17.7%
56.8%	879	879	0	0.0%
58.0%	744	744	0	0.0%
59.3%	629	629	0	0.0%
60.5%	596	596	0	
61.7%	468	468	0	
63.0%	425	425	0	
64.2%	389	389	0	
65.4%	389	389	0	
66.7%	355	355	0	
67.9%	303	303	0	
69.1%	229	229	0	
70.4%	227	227	0	
71.6%	219	219	0	
72.8%	193	193	0	
74.1%	137	137	0	
75.3%	112	112	0	
76.5%	110	110	0	
77.8%	85	85	0	
79.0%	81	81	0	
80.2%	52	52	0	
81.5%	41	26	-15	
82.7%	26	26	0	
84.0%	26	24	-2	
85.2%	22	22	0	
86.4%	19	19	0	
87.7%	3	2	-1	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	118,509	118,513	3	0.0%
1.2%	114,483	110,974	-3,509	-3.1%
2.5%	65,783	62,368	-3,415	-5.2%
3.7%	46,880	44,932	-1,948	-4.2%
4.9%	42,175	40,414	-1,762	-4.2%
6.2%	38,596	36,058	-2,538	-6.6%
7.4%	36,054	34,156	-1,898	-5.3%
8.6%	24,075	21,132	-2,943	-12.2%
9.9%	22,765	18,786	-3,979	-17.5%
11.1%	15,093	12,831	-2,262	-15.0%
12.3%	14,868	11,976	-2,892	-19.5%
13.6%	14,318	11,872	-2,446	-17.1%
14.8%	12,842	11,504	-1,337	-10.4%
16.0%	11,819	9,073	-2,747	-23.2%
17.3%	9,049	7,189	-1,860	-20.6%
18.5%	8,849	7,078	-1,771	-20.0%
19.8%	8,178	6,527	-1,650	-20.2%
21.0%	7,854	6,214	-1,640	-20.9%
22.2%	6,211	5,229	-983	-15.8%
23.5%	5,699	5,190	-509	-8.9%
24.7%	5,223	5,126	-96	-1.8%
25.9%	4,862	3,823	-1,039	-21.4%
27.2%	3,623	3,623	0	0.0%
28.4%	3,431	3,255	-176	-5.1%
29.6%	3,350	2,838	-512	-15.3%
30.9%	3,128	2,576	-552	-17.6%
32.1%	2,984	2,485	-499	-16.7%
33.3%	2,975	2,483	-492	-16.5%
34.6%	2,937	1,488	-1,449	-49.3%
35.8%	2,835	1,415	-1,420	-50.1%
37.0%	2,485	1,306	-1,179	-47.4%
38.3%	2,241	1,292	-948	-42.3%
39.5%	1,601	1,169	-432	-27.0%
40.7%	1,480	1,153	-328	-22.1%
42.0%	1,446	1,028	-418	-28.9%
43.2%	1,306	799	-507	-38.9%
44.4%	1,169	780	-389	-33.3%
45.7%	1,088	778	-310	-28.5%
46.9%	1,028	776	-252	-24.5%
48.1%	982	738	-244	-24.8%
49.4%	969	696	-273	-28.2%
50.6%	865	585	-280	-32.3%
51.9%	798	550	-248	-31.1%
53.1%	780	475	-305	-39.1%
54.3%	778	313	-466	-59.8%
55.6%	772	306	-466	-60.4%
56.8%	475	268	-207	-43.5%
58.0%	464	257	-207	-44.6%
59.3%	313	244	-69	
60.5%	257	220	-37	
61.7%	244	169	-74	
63.0%	220	150	-70	
64.2%	169	148	-22	
65.4%	150	130	-19	
66.7%	148	119	-29	
67.9%	130	113	-18	
69.1%	119	80	-39	
70.4%	113	77	-36	
71.6%	80	72	-7	
72.8%	77	65	-12	
74.1%	65	62	-4	
75.3%	62	50	-12	
76.5%	50	49	-1	
77.8%	49	47	-2	
79.0%	47	45	-2	
80.2%	45	36	-9	
81.5%	36	30	-6	
82.7%	30	28	-2	
84.0%	28	19	-9	
85.2%	19	13	-6	
86.4%	13	7	-6	
87.7%	7	7	0	
88.9%	7	7	0	
90.1%	7	4	-3	
91.4%	4	2	-1	
92.6%	2	0	-2	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,036	37,979	-3,057	-7.5%
1.2%	24,931	22,032	-2,900	-11.6%
2.5%	18,192	16,521	-1,671	-9.2%
3.7%	14,426	14,438	12	0.1%
4.9%	10,979	10,978	-1	0.0%
6.2%	10,730	9,560	-1,170	-10.9%
7.4%	7,898	7,096	-802	-10.2%
8.6%	7,096	6,840	-256	-3.6%
9.9%	6,839	6,532	-308	-4.5%
11.1%	6,314	5,986	-328	-5.2%
12.3%	5,983	4,951	-1,032	-17.2%
13.6%	4,932	4,846	-86	-1.7%
14.8%	4,846	4,557	-289	-6.0%
16.0%	4,555	4,458	-97	-2.1%
17.3%	4,458	4,432	-26	-0.6%
18.5%	4,099	3,931	-168	-4.1%
19.8%	3,336	3,336	0	0.0%
21.0%	2,671	2,671	0	0.0%
22.2%	2,662	2,293	-368	-13.8%
23.5%	2,293	2,265	-28	-1.2%
24.7%	2,264	1,681	-583	-25.7%
25.9%	1,697	1,315	-382	-22.5%
27.2%	1,315	899	-415	-31.6%
28.4%	1,095	668	-427	-39.0%
29.6%	668	558	-110	-16.5%
30.9%	558	445	-113	-20.2%
32.1%	445	418	-27	-6.1%
33.3%	418	388	-30	-7.1%
34.6%	388	385	-4	-0.9%
35.8%	385	383	-2	-0.5%
37.0%	383	250	-132	-34.6%
38.3%	250	198	-53	-21.0%
39.5%	198	176	-22	-11.0%
40.7%	179	172	-7	-4.0%
42.0%	176	167	-9	-5.3%
43.2%	167	159	-8	-4.7%
44.4%	159	150	-9	-5.6%
45.7%	150	142	-8	-5.3%
46.9%	142	139	-3	-2.2%
48.1%	139	139	0	-0.2%
49.4%	139	131	-8	-5.7%
50.6%	131	120	-11	-8.6%
51.9%	120	119	0	
53.1%	119	119	0	
54.3%	119	116	-3	
55.6%	116	115	-1	
56.8%	115	114	-1	
58.0%	114	112	-2	
59.3%	112	111	-1	
60.5%	111	111	-1	
61.7%	111	109	-2	
63.0%	109	103	-6	
64.2%	103	99	-3	
65.4%	99	95	-4	
66.7%	95	95	-1	
67.9%	95	90	-4	
69.1%	90	87	-3	
70.4%	87	87	0	
71.6%	87	86	-1	
72.8%	86	85	-1	
74.1%	85	85	0	
75.3%	85	82	-3	
76.5%	82	81	0	
77.8%	81	80	-1	
79.0%	80	78	-2	
80.2%	78	76	-2	
81.5%	76	72	-4	
82.7%	72	71	-2	
84.0%	71	65	-5	
85.2%	65	64	-1	
86.4%	64	62	-2	
87.7%	62	58	-5	
88.9%	58	56	-2	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	50	-4	
96.3%	50	49	-1	
97.5%	49	45	-4	
98.8%	45	43	-2	
100.0%	42	42	0	

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,809	7,127	-1,682	-19.1%
1.2%	1,544	1,510	-35	-2.2%
2.5%	1,506	1,486	-19	-1.3%
3.7%	1,485	1,470	-15	-1.0%
4.9%	1,187	1,084	-103	-8.7%
6.2%	1,078	1,028	-50	-4.7%
7.4%	394	395	1	0.3%
8.6%	326	327	1	0.3%
9.9%	278	278	0	0.0%
11.1%	256	248	-8	-3.1%
12.3%	248	143	-106	-42.6%
13.6%	82	82	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	77	77	0	0.0%
23.5%	77	77	0	0.0%
24.7%	77	77	0	0.0%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	74	74	0	0.0%
29.6%	73	73	0	0.0%
30.9%	73	73	0	0.0%
32.1%	73	73	0	0.0%
33.3%	72	72	0	0.0%
34.6%	72	72	0	0.0%
35.8%	71	71	0	0.0%
37.0%	71	71	0	0.0%
38.3%	71	71	0	0.0%
39.5%	70	70	0	0.0%
40.7%	70	70	0	0.0%
42.0%	70	70	0	0.0%
43.2%	70	70	0	0.0%
44.4%	69	69	0	0.0%
45.7%	69	69	0	0.0%
46.9%	69	69	0	0.0%
48.1%	68	68	0	0.0%
49.4%	68	68	0	0.0%
50.6%	68	68	0	0.0%
51.9%	68	68	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	66	66	0	0.0%
56.8%	66	66	0	0.0%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.0%
60.5%	64	64	0	0.0%
61.7%	64	64	0	0.0%
63.0%	64	64	0	0.0%
64.2%	64	64	0	0.0%
65.4%	64	64	0	0.0%
66.7%	63	63	0	0.0%
67.9%	63	63	0	0.0%
69.1%	63	63	0	0.0%
70.4%	63	63	0	0.0%
71.6%	63	63	0	0.0%
72.8%	62	62	0	0.0%
74.1%	62	62	0	0.0%
75.3%	61	61	0	0.0%
76.5%	61	61	0	0.0%
77.8%	60	60	0	0.0%
79.0%	59	59	0	0.0%
80.2%	58	58	0	0.0%
81.5%	58	58	0	0.0%
82.7%	58	58	0	0.0%
84.0%	56	56	0	0.0%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	53	0	0.0%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.0%
95.1%	50	50	0	0.0%
96.3%	47	47	0	0.0%
97.5%	46	46	0	0.0%
98.8%	45	45	0	0.0%
100.0%	40	40	0	0.0%

Table SW-31-5b
Yolo Bypass, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,730	3,657	-72	-1.9%
1.2%	1,081	1,082	1	0.0%
2.5%	349	349	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	48	0	0.0%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	628	0	0.0%
1.2%	610	610	0	0.0%
2.5%	549	549	0	0.0%
3.7%	502	502	0	0.0%
4.9%	486	486	0	0.0%
6.2%	431	431	0	0.0%
7.4%	366	366	0	0.0%
8.6%	302	302	0	0.0%
9.9%	165	170	5	2.8%
11.1%	164	164	0	0.0%
12.3%	126	126	0	0.0%
13.6%	60	60	0	0.0%
14.8%	55	55	0	0.0%
16.0%	55	55	0	0.0%
17.3%	55	55	0	0.0%
18.5%	55	55	0	0.0%
19.8%	55	55	0	0.0%
21.0%	55	55	0	0.0%
22.2%	55	55	0	0.0%
23.5%	55	55	0	0.0%
24.7%	55	55	0	0.0%
25.9%	55	55	0	0.0%
27.2%	55	55	0	0.0%
28.4%	55	55	0	0.0%
29.6%	55	55	0	0.0%
30.9%	55	55	0	0.0%
32.1%	55	55	0	0.0%
33.3%	55	55	0	0.0%
34.6%	55	55	0	0.0%
35.8%	55	55	0	0.0%
37.0%	55	55	0	0.0%
38.3%	55	55	0	0.0%
39.5%	55	55	0	0.0%
40.7%	55	55	0	0.0%
42.0%	55	55	0	0.0%
43.2%	55	55	0	0.0%
44.4%	55	55	0	0.0%
45.7%	55	55	0	0.0%
46.9%	55	55	0	0.0%
48.1%	55	55	0	0.0%
49.4%	55	55	0	0.0%
50.6%	55	55	0	0.0%
51.9%	55	55	0	0.0%
53.1%	55	55	0	0.0%
54.3%	55	55	0	0.0%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.0%
76.5%	55	55	0	0.0%
77.8%	55	55	0	0.0%
79.0%	55	55	0	0.0%
80.2%	55	55	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	54	54	0	0.0%
87.7%	54	54	0	0.0%
88.9%	54	54	0	0.0%
90.1%	54	54	0	0.0%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	53	53	0	0.0%
96.3%	52	52	0	0.0%
97.5%	50	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	42	42	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	525	911	387	73.7%
1.2%	351	589	238	67.9%
2.5%	274	366	92	33.7%
3.7%	251	355	104	41.6%
4.9%	192	326	134	69.7%
6.2%	168	274	106	62.8%
7.4%	164	257	93	56.6%
8.6%	164	251	86	52.4%
9.9%	164	192	28	16.7%
11.1%	162	169	8	4.9%
12.3%	161	168	7	4.2%
13.6%	153	164	11	7.2%
14.8%	128	164	36	28.2%
16.0%	96	164	69	71.9%
17.3%	88	162	73	83.0%
18.5%	72	153	82	114.3%
19.8%	64	128	64	100.3%
21.0%	62	115	54	86.8%
22.2%	61	96	35	56.9%
23.5%	60	88	29	47.7%
24.7%	59	80	21	34.8%
25.9%	59	72	12	20.8%
27.2%	59	64	5	8.0%
28.4%	59	61	2	2.9%
29.6%	59	60	0	0.8%
30.9%	59	59	0	0.1%
32.1%	59	59	0	0.0%
33.3%	59	59	0	0.0%
34.6%	59	59	0	0.0%
35.8%	59	59	0	0.0%
37.0%	59	59	0	0.0%
38.3%	59	59	0	0.0%
39.5%	59	59	0	0.0%
40.7%	59	59	0	0.0%
42.0%	59	59	0	0.0%
43.2%	59	59	0	0.0%
44.4%	59	59	0	0.0%
45.7%	59	59	0	0.0%
46.9%	59	59	0	0.0%
48.1%	59	59	0	0.0%
49.4%	59	59	0	0.0%
50.6%	59	59	0	0.0%
51.9%	59	59	0	0.0%
53.1%	59	59	0	0.0%
54.3%	59	59	0	0.0%
55.6%	59	59	0	0.0%
56.8%	59	59	0	0.2%
58.0%	59	59	0	0.2%
59.3%	59	59	0	0.2%
60.5%	59	59	0	0.5%
61.7%	59	59	0	0.4%
63.0%	59	59	0	0.6%
64.2%	59	59	1	1.1%
65.4%	59	59	0	0.7%
66.7%	58	59	1	1.1%
67.9%	58	59	0	0.4%
69.1%	58	58	0	0.0%
70.4%	58	58	0	0.5%
71.6%	58	58	0	0.5%
72.8%	57	58	1	1.3%
74.1%	57	58	1	1.6%
75.3%	57	57	1	1.3%
76.5%	56	57	1	2.0%
77.8%	56	57	1	1.2%
79.0%	55	56	0	0.8%
80.2%	55	55	0	0.6%
81.5%	55	55	0	0.4%
82.7%	55	55	0	0.6%
84.0%	55	55	0	0.0%
85.2%	54	55	1	1.7%
86.4%	53	54	0	0.4%
87.7%	53	53	1	1.1%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	51	51	0	0.0%
93.8%	50	50	0	0.0%
95.1%	49	49	0	0.0%
96.3%	45	45	0	0.0%
97.5%	24	24	0	0.0%
98.8%	23	23	0	0.0%
100.0%	23	23	0	0.0%

Table SW-32-5a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,113	11,761	21,808	36,607	43,748	35,570	21,369	15,233	9,854	10,571	7,897	11,368
Alternative B	7,018	12,685	21,448	35,628	42,832	33,452	20,700	14,990	10,274	12,089	8,471	12,294
Difference	905	924	-360	-979	-916	-2,118	-669	-243	420	1,519	574	926
Percent Difference[3]	14.8%	7.9%	-1.7%	-2.7%	-2.1%	-6.0%	-3.1%	-1.6%	4.3%	14.4%	7.3%	8.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,204	16,661	24,661	69,998	79,890	63,502	38,396	26,691	16,443	10,904	8,560	21,672
Alternative B	10,021	17,726	23,831	68,723	78,525	61,169	37,214	26,177	17,355	12,710	8,688	22,671
Difference	1,817	1,065	-829	-1,275	-1,364	-2,333	-1,181	-514	911	1,805	128	999
Percent Difference	22.1%	6.4%	-3.4%	-1.8%	-1.7%	-3.7%	-3.1%	-1.9%	5.5%	16.6%	1.5%	4.6%
Above Normal (15%)												
No Action Alternative	6,408	13,579	21,114	40,531	50,459	45,585	22,716	16,694	9,945	12,300	8,916	12,009
Alternative B	7,314	15,308	20,302	38,625	48,866	42,499	21,695	16,142	9,976	15,691	9,211	12,730
Difference	906	1,729	-812	-1,906	-1,593	-3,086	-1,021	-552	30	3,391	295	720
Percent Difference	14.1%	12.7%	-3.8%	-4.7%	-3.2%	-6.8%	-4.5%	-3.3%	0.3%	27.6%	3.3%	6.0%
Below Normal (17%)												
No Action Alternative	6,600	11,868	25,744	20,280	29,020	19,870	14,420	10,613	6,937	11,865	8,383	6,096
Alternative B	7,272	12,802	26,273	19,073	28,792	17,294	13,967	10,465	7,283	13,228	8,714	6,855
Difference	671	935	529	-1,207	-228	-2,576	-453	-148	346	1,364	331	759
Percent Difference	10.2%	7.9%	2.1%	-6.0%	-0.8%	-13.0%	-3.1%	-1.4%	5.0%	11.5%	4.0%	12.4%
Dry (22%)												
No Action Alternative	4,539	8,480	23,222	14,834	19,424	17,402	10,437	7,952	6,155	10,363	8,376	5,425
Alternative B	4,569	9,223	23,277	14,456	18,717	15,433	10,059	8,013	6,216	11,117	9,509	6,536
Difference	30	743	56	-378	-708	-1,969	-379	61	61	754	1,133	1,111
Percent Difference	0.7%	8.8%	0.2%	-2.5%	-3.6%	-11.3%	-3.6%	0.8%	1.0%	7.3%	13.5%	20.5%
Critical (15%)												
No Action Alternative	3,080	4,123	9,605	12,044	12,401	10,605	7,638	5,259	4,436	6,921	4,155	3,470
Alternative B	3,594	4,194	9,054	11,999	12,017	10,236	7,743	5,343	4,806	7,275	5,418	4,360
Difference	513	71	-551	-45	-384	-369	105	84	370	354	1,264	890
Percent Difference	16.7%	1.7%	-5.7%	-0.4%	-3.1%	-3.5%	1.4%	1.6%	8.3%	5.1%	30.4%	25.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-32-5b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

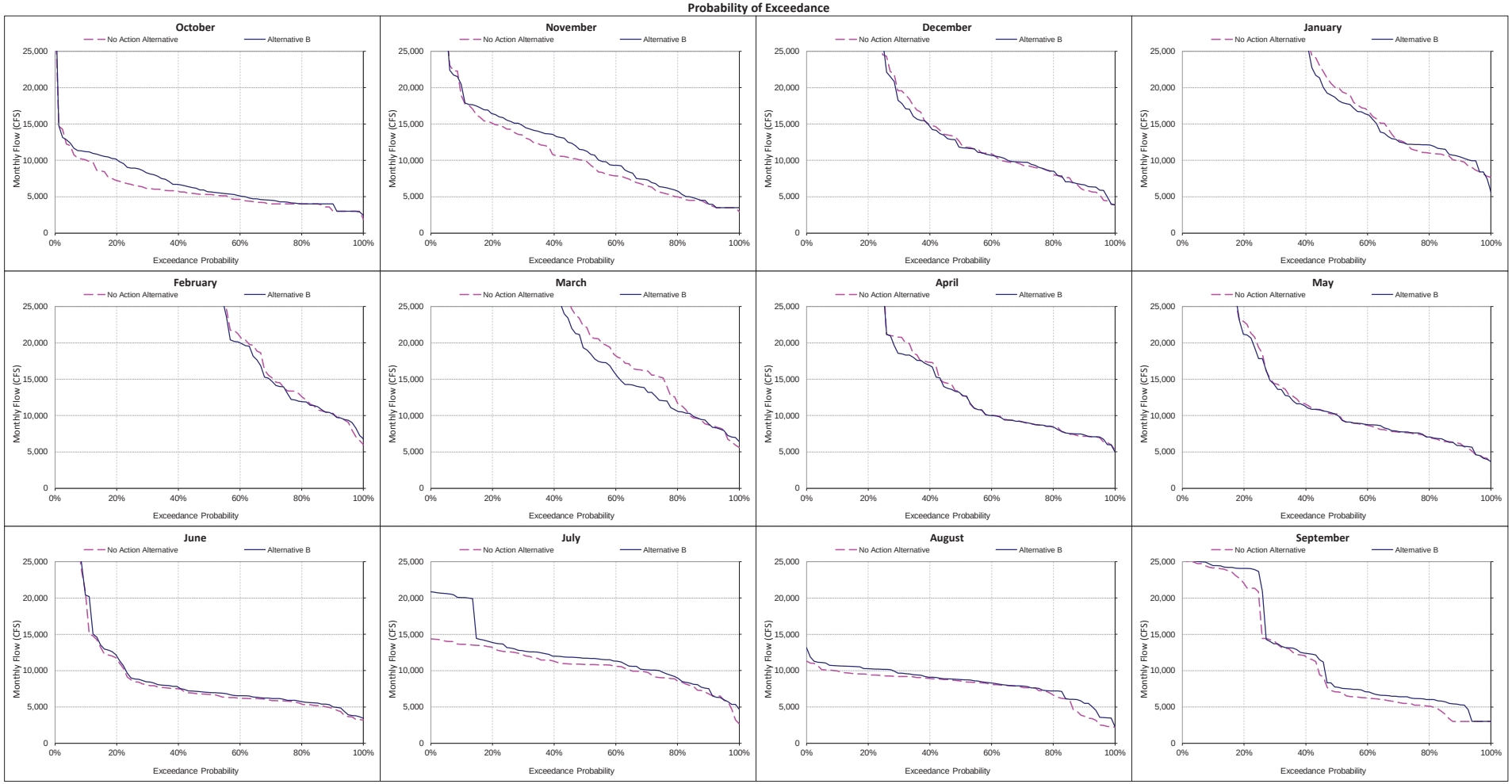

Table SW-32-5b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,384	35,788	4,404	14.0%
1.2%	14,729	14,786	57	0.4%
2.5%	14,289	13,165	-1,124	-7.9%
3.7%	12,252	12,837	585	4.8%
4.9%	12,047	12,408	361	3.0%
6.2%	10,735	11,661	926	8.6%
7.4%	10,324	11,334	1,010	9.8%
8.6%	10,206	11,294	1,087	10.7%
9.9%	10,088	11,202	1,114	11.0%
11.1%	9,847	11,174	1,327	13.5%
12.3%	9,730	10,950	1,220	12.5%
13.6%	8,636	10,843	2,208	25.6%
14.8%	8,565	10,689	2,125	24.8%
16.0%	8,431	10,538	2,107	25.0%
17.3%	7,672	10,464	2,792	36.4%
18.5%	7,486	10,249	2,763	36.9%
19.8%	7,268	10,190	2,922	40.2%
21.0%	7,120	9,809	2,690	37.8%
22.2%	6,935	9,577	2,642	38.1%
23.5%	6,821	9,037	2,216	32.5%
24.7%	6,687	8,932	2,245	33.6%
25.9%	6,510	8,927	2,417	37.1%
27.2%	6,455	8,844	2,389	37.0%
28.4%	6,347	8,606	2,259	35.6%
29.6%	6,136	8,296	2,160	35.2%
30.9%	6,126	8,146	2,020	33.0%
32.1%	6,044	8,038	1,994	33.0%
33.3%	6,038	7,832	1,794	29.7%
34.6%	5,997	7,492	1,496	24.9%
35.8%	5,867	7,398	1,531	26.1%
37.0%	5,839	7,099	1,260	21.6%
38.3%	5,817	6,712	895	15.4%
39.5%	5,800	6,688	888	15.3%
40.7%	5,668	6,620	952	16.8%
42.0%	5,649	6,528	879	15.6%
43.2%	5,466	6,369	903	16.5%
44.4%	5,465	6,289	824	15.1%
45.7%	5,404	6,175	771	14.3%
46.9%	5,352	5,951	599	11.2%
48.1%	5,326	5,933	607	11.4%
49.4%	5,320	5,675	355	6.7%
50.6%	5,305	5,655	350	6.6%
51.9%	5,234	5,600	366	7.0%
53.1%	5,179	5,552	373	7.2%
54.3%	5,132	5,446	314	6.1%
55.6%	5,114	5,405	291	5.7%
56.8%	4,754	5,370	616	13.0%
58.0%	4,640	5,315	675	14.5%
59.3%	4,632	5,172	540	11.7%
60.5%	4,616	5,062	446	9.7%
61.7%	4,444	4,992	548	12.3%
63.0%	4,404	4,803	399	9.1%
64.2%	4,310	4,715	405	9.4%
65.4%	4,220	4,698	479	11.3%
66.7%	4,215	4,606	391	9.3%
67.9%	4,194	4,578	384	9.2%
69.1%	4,027	4,522	495	12.3%
70.4%	4,000	4,516	516	12.9%
71.6%	4,000	4,451	451	11.3%
72.8%	4,000	4,280	280	7.0%
74.1%	4,000	4,279	279	7.0%
75.3%	4,000	4,247	247	6.2%
76.5%	4,000	4,158	158	3.9%
77.8%	4,000	4,110	110	2.7%
79.0%	4,000	4,043	43	1.1%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	3,880	4,000	120	3.1%
87.7%	3,611	4,000	389	10.8%
88.9%	3,592	4,000	408	11.4%
90.1%	3,000	4,000	1,000	33.3%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	2,992	2,906	-86	-2.9%
100.0%	1,887	2,451	564	29.9%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,173	58,736	-437	-0.7%
1.2%	51,030	47,598	-3,431	-6.7%
2.5%	41,956	40,893	-1,063	-2.5%
3.7%	31,375	32,724	1,350	4.3%
4.9%	29,068	29,204	136	0.5%
6.2%	23,055	22,406	-649	-2.8%
7.4%	22,290	21,748	-542	-2.4%
8.6%	22,289	21,530	-759	-3.4%
9.9%	18,943	20,490	1,547	8.2%
11.1%	17,757	17,899	142	0.8%
12.3%	17,604	17,694	90	0.5%
13.6%	17,064	17,673	609	3.6%
14.8%	16,275	17,495	1,221	7.5%
16.0%	15,900	17,237	1,337	8.4%
17.3%	15,411	16,958	1,547	10.0%
18.5%	15,392	16,927	1,535	10.0%
19.8%	15,148	16,435	1,287	8.5%
21.0%	14,892	16,303	1,411	9.5%
22.2%	14,815	15,980	1,165	7.9%
23.5%	14,616	15,883	1,267	8.7%
24.7%	14,300	15,517	1,217	8.5%
25.9%	14,271	15,360	1,089	7.6%
27.2%	13,806	15,128	1,322	9.6%
28.4%	13,593	15,096	1,503	11.1%
29.6%	13,521	14,843	1,322	9.8%
30.9%	13,040	14,502	1,462	11.2%
32.1%	12,861	14,302	1,440	11.2%
33.3%	12,466	14,124	1,658	13.3%
34.6%	12,359	14,024	1,665	13.5%
35.8%	12,097	13,864	1,767	14.6%
37.0%	12,042	13,680	1,638	13.6%
38.3%	11,878	13,650	1,773	14.9%
39.5%	10,828	13,561	2,733	25.2%
40.7%	10,641	13,267	2,625	24.7%
42.0%	10,559	13,166	2,608	24.7%
43.2%	10,528	13,044	2,516	23.9%
44.4%	10,423	12,495	2,073	19.9%
45.7%	10,240	12,362	2,122	20.7%
46.9%	10,220	12,008	1,788	17.5%
48.1%	10,093	11,534	1,441	14.3%
49.4%	10,021	11,437	1,416	14.1%
50.6%	9,829	11,223	1,394	14.2%
51.9%	9,304	10,830	1,527	16.4%
53.1%	8,923	10,705	1,781	20.0%
54.3%	8,419	10,043	1,624	19.3%
55.6%	8,334	9,841	1,507	18.1%
56.8%	8,100	9,813	1,713	21.2%
58.0%	8,002	9,378	1,376	17.2%
59.3%	7,887	9,314	1,426	18.1%
60.5%	7,845	9,307	1,462	18.6%
61.7%	7,811	9,258	1,447	18.5%
63.0%	7,616	8,640	1,024	13.4%
64.2%	7,423	8,419	996	13.4%
65.4%	7,154	8,252	1,099	15.4%
66.7%	6,928	7,516	588	8.5%
67.9%	6,798	7,428	630	9.3%
69.1%	6,581	7,417	836	12.7%
70.4%	6,460	7,311	851	13.2%
71.6%	6,304	6,947	643	10.2%
72.8%	5,877	6,802	925	15.7%
74.1%	5,649	6,383	733	13.0%
75.3%	5,506	6,316	810	14.7%
76.5%	5,387	6,200	814	15.1%
77.8%	5,278	6,079	801	15.2%
79.0%	5,027	5,946	920	18.3%
80.2%	4,950	5,713	763	15.4%
81.5%	4,825	5,290	465	9.6%
82.7%	4,576	5,023	448	9.8%
84.0%	4,500	5,000	500	11.1%
85.2%	4,500	4,870	370	8.2%
86.4%	4,500	4,669	169	3.8%
87.7%	4,500	4,506	6	0.1%
88.9%	4,196	4,500	304	7.3%
90.1%	3,945	3,984	39	1.0%
91.4%	3,683	3,951	268	7.3%
92.6%	3,500	3,500	0	0.0%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	2,928	3,500	572	19.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	121,583	121,710	128	0.1%
1.2%	80,437	77,676	-2,761	-3.4%
2.5%	79,307	76,733	-2,574	-3.2%
3.7%	77,355	75,766	-1,589	-2.1%
4.9%	70,727	68,911	-1,816	-2.6%
6.2%	60,037	59,655	-382	-0.6%
7.4%	59,468	59,655	187	0.3%
8.6%	58,046	59,451	1,405	2.4%
9.9%	57,686	56,112	-1,574	-2.7%
11.1%	55,261	51,842	-3,420	-6.2%
12.3%	47,185	44,720	-2,465	-5.2%
13.6%	45,211	40,721	-4,490	-9.9%
14.8%	43,482	39,926	-3,556	-8.2%
16.0%	34,606	39,042	4,436	12.8%
17.3%	33,948	36,720	2,772	8.2%
18.5%	33,702	33,380	-322	-1.0%
19.8%	32,755	32,971	217	0.7%
21.0%	32,678	30,034	-2,644	-8.1%
22.2%	29,845	28,235	-1,609	-5.4%
23.5%	27,263	26,711	-551	-2.0%
24.7%	24,526	26,335	1,808	7.4%
25.9%	24,313	22,121	-2,192	-9.0%
27.2%	22,247	21,490	-757	-3.4%
28.4%	21,880	20,848	-1,031	-4.7%
29.6%	19,580	18,259	-1,321	-6.7%
30.9%	19,562	17,841	-1,722	-8.8%
32.1%	19,015	17,109	-1,906	-10.0%
33.3%	18,477	17,033	-1,444	-7.8%
34.6%	17,557	16,049	-1,509	-8.6%
35.8%	16,942	15,660	-1,282	-7.6%
37.0%	16,663	15,481	-1,182	-7.1%
38.3%	15,419	15,467	48	0.3%
39.5%	15,051	14,895	-156	-1.0%
40.7%	14,807	14,237	-570	-3.8%
42.0%	14,636	14,132	-504	-3.4%
43.2%	14,178	13,666	-512	-3.6%
44.4%	13,606	13,485	-121	-0.9%
45.7%	13,506	12,971	-535	-4.0%
46.9%	13,399	12,888	-511	-3.8%
48.1%	13,279	12,836	-443	-3.3%
49.4%	12,698	11,838	-860	-6.8%
50.6%	11,921	11,734	-187	-1.6%
51.9%	11,799	11,680	-119	-1.0%
53.1%	11,776	11,610	-166	-1.4%
54.3%	11,597	11,573	-24	-0.2%
55.6%	11,559	11,101	-458	-4.0%
56.8%	11,010	11,077	68	0.6%
58.0%	10,983	10,868	-115	-1.0%
59.3%	10,977	10,738	-240	-2.2%
60.5%	10,777	10,649	-128	-1.2%
61.7%	10,362	10,530	168	1.6%
63.0%	9,977	10,420	443	4.4%
64.2%	9,868	10,257	388	3.9%
65.4%	9,781	9,956	175	1.8%
66.7%	9,696	9,844	147	1.5%
67.9%	9,685	9,800	115	1.2%
69.1%	9,527	9,757	230	2.4%
70.4%	9,270	9,747	477	5.1%
71.6%	9,265	9,739	473	5.1%
72.8%	9,130	9,459	328	3.6%
74.1%	9,014	9,322	308	3.4%
75.3%	8,919	9,028	110	1.2%
76.5%	8,856	8,917	61	0.7%
77.8%	8,647	8,679	32	0.4%
79.0%	8,473	8,557	84	1.0%
80.2%	7,996	8,497	500	6.3%
81.5%	7,931	7,880	-50	-0.6%
82.7%	7,672	7,848	177	2.3%
84.0%	7,629	7,047	-582	-7.6%
85.2%	7,597	7,043	-554	-7.3%
86.4%	6,798	6,961	163	2.4%
87.7%	6,694	6,813	120	1.8%
88.9%	6,134	6,719	585	9.5%
90.1%	5,861	6,642	781	13.3%
91.4%	5,825	6,392	566	9.7%
92.6%	5,662	6,341	679	12.0%
93.8%	5,627	6,306	679	12.1%
95.1%	5,247	5,885	638	12.2%
96.3%	4,500	5,856	1,356	30.1%
97.5%	4,446	4,951	505	11.4%
98.8%	3,939	3,999	61	1.5%
100.0%	3,874	3,870	-4	-0.1%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200,996	198,657	-2,339	-1.2%
1.2%	181,522	179,204	-2,319	-1.3%
2.5%	133,631	129,721	-3,910	-2.9%
3.7%	119,022	119,053	31	0.0%
4.9%	102,413	97,092	-5,321	-5.2%
6.2%	96,892	95,577	-1,315	-1.4%
7.4%	95,130	94,536	-594	-0.6%
8.6%	88,148	87,360	-788	-0.9%
9.9%	88,029	86,220	-1,808	-2.1%
11.1%	86,969	81,644	-5,325	-6.1%
12.3%	71,671	71,651	-20	0.0%
13.6%	71,662	66,451	-5,211	-7.3%
14.8%	68,159	66,073	-2,085	-3.1%
16.0%	65,987	63,758	-2,230	-3.4%
17.3%	62,761	61,175	-1,586	-2.5%
18.5%	61,275	58,851	-2,423	-4.0%
19.8%	58,055	56,342	-1,713	-3.0%
21.0%	54,054	52,953	-1,101	-2.0%
22.2%	52,137	50,516	-1,621	-3.1%
23.5%	51,353	49,502	-1,851	-3.6%
24.7%	46,740	46,761	21	0.0%
25.9%	43,167	40,633	-2,534	-5.9%
27.2%	42,674	40,577	-2,096	-4.9%
28.4%	42,561	39,869	-2,692	-6.3%
29.6%	40,899	39,011	-1,888	-4.6%
30.9%	40,412	38,356	-2,056	-5.1%
32.1%	39,931	37,035	-2,896	-7.3%
33.3%	35,330	34,730	-600	-1.7%
34.6%	34,716	33,320	-1,396	-4.0%
35.8%	34,294	32,720	-1,573	-4.6%
37.0%	28,664	28,485	-178	-0.6%
38.3%	28,660	27,347	-1,313	-4.6%
39.5%	27,181	26,134	-1,047	-3.9%
40.7%	26,381	25,452	-929	-3.5%
42.0%	24,310	22,770	-1,540	-6.3%
43.2%	24,123	21,726	-2,397	-9.9%
44.4%	23,049	21,366	-1,683	-7.3%
45.7%	22,212	20,051	-2,161	-9.7%
46.9%	21,299	19,251	-2,048	-9.6%
48.1%	20,603	18,973	-1,630	-7.9%
49.4%	20,076	18,705	-1,371	-6.8%
50.6%	19,982	18,223	-1,759	-8.8%
51.9%	19,405	17,929	-1,476	-7.6%
53.1%	19,181	17,797	-1,383	-7.2%
54.3%	18,984	17,710	-1,274	-6.7%
55.6%	17,922	17,176	-747	-4.2%
56.8%	17,636	16,714	-922	-5.2%
58.0%	17,253	16,681	-571	-3.3%
59.3%	17,125	16,393	-732	-4.3%
60.5%	16,689	16,246	-443	-2.7%
61.7%	16,027	15,638	-389	-2.4%
63.0%	15,703	15,026	-677	-4.3%
64.2%	15,112	13,895	-1,216	-8.0%
65.4%	15,105	13,739	-1,366	-9.0%
66.7%	14,380	13,308	-1,072	-7.5%
67.9%	13,581	12,989	-592	-4.4%
69.1%	12,973	12,902	-70	-0.5%
70.4%	12,740	12,534	-206	-1.6%
71.6%	12,568	12,443	-125	-1.0%
72.8%	12,210	12,220	9	0.1%
74.1%	11,577	12,201	624	5.4%
75.3%	11,407	12,182	775	6.8%
76.5%	11,314	12,173	859	7.6%
77.8%	11,110	12,141	1,030	9.3%
79.0%	11,050	12,131	1,080	9.8%
80.2%	10,995	12,101	1,105	10.1%
81.5%	10,907	11,948	1,041	9.5%
82.7%	10,885	11,655	770	7.1%
84.0%	10,862	11,581	720	6.6%
85.2%	10,643	11,514	871	8.2%
86.4%	10,622	10,822	200	1.9%
87.7%	10,090	10,709	620	6.1%
88.9%	9,964	10,615	651	6.5%
90.1%	9,923	10,460	537	5.4%
91.4%	9,759	10,261	502	5.1%
92.6%	9,237	10,083	847	9.2%
93.8%	9,025	9,940	915	10.1%
95.1%	8,639	9,932	1,293	15.0%
96.3%	8,457	8,423	-34	-0.4%
97.5%	8,134	8,420	286	3.5%
98.8%	7,814	7,445	-369	-4.7%
100.0%	7,658	5,615	-2,043	-26.7%

Table SW-32-5b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	185,158	182,886	-2,273	-1.2%
1.2%	179,959	182,670	2,710	1.5%
2.5%	140,370	136,980	-3,390	-2.4%
3.7%	131,401	131,395	-6	0.0%
4.9%	124,357	121,882	-2,475	-2.0%
6.2%	112,388	113,053	665	0.6%
7.4%	110,076	108,878	-1,198	-1.1%
8.6%	104,275	101,555	-2,720	-2.6%
9.9%	103,682	101,376	-2,305	-2.2%
11.1%	101,743	99,252	-2,491	-2.4%
12.3%	101,344	99,099	-2,245	-2.2%
13.6%	90,473	90,291	-183	-0.2%
14.8%	81,413	78,983	-2,430	-3.0%
16.0%	76,771	76,142	-629	-0.8%
17.3%	76,126	74,274	-1,852	-2.4%
18.5%	70,591	68,236	-2,355	-3.3%
19.8%	65,332	65,002	-331	-0.5%
21.0%	65,029	64,138	-890	-1.4%
22.2%	64,040	62,223	-1,817	-2.8%
23.5%	60,951	61,495	544	0.9%
24.7%	57,007	58,120	1,113	2.0%
25.9%	56,800	55,061	-1,739	-3.1%
27.2%	52,797	53,462	664	1.3%
28.4%	52,584	49,706	-2,878	-5.5%
29.6%	51,289	49,380	-1,909	-3.7%
30.9%	48,689	46,875	-1,814	-3.7%
32.1%	48,111	46,229	-1,882	-3.9%
33.3%	47,471	45,391	-2,080	-4.4%
34.6%	46,481	44,569	-1,912	-4.1%
35.8%	45,300	44,048	-1,252	-2.8%
37.0%	43,765	43,519	-246	-0.6%
38.3%	43,419	42,465	-954	-2.2%
39.5%	42,653	41,830	-823	-1.9%
40.7%	41,307	39,454	-1,853	-4.5%
42.0%	40,761	38,748	-2,014	-4.9%
43.2%	38,162	36,383	-1,779	-4.7%
44.4%	35,432	35,435	3	0.0%
45.7%	31,724	29,474	-2,249	-7.1%
46.9%	31,320	29,376	-1,945	-6.2%
48.1%	30,111	29,019	-1,092	-3.6%
49.4%	28,620	26,861	-1,759	-6.1%
50.6%	28,617	26,681	-1,936	-6.8%
51.9%	28,574	26,400	-2,174	-7.6%
53.1%	27,387	26,182	-1,205	-4.4%
54.3%	27,302	25,861	-1,441	-5.3%
55.6%	24,625	23,564	-1,060	-4.3%
56.8%	21,737	20,427	-1,310	-6.0%
58.0%	21,731	20,209	-1,522	-7.0%
59.3%	21,244	20,125	-1,119	-5.3%
60.5%	20,570	19,889	-681	-3.3%
61.7%	20,370	19,612	-759	-3.7%
63.0%	19,790	19,552	-238	-1.2%
64.2%	19,676	18,170	-1,506	-7.7%
65.4%	18,870	17,668	-1,202	-6.4%
66.7%	18,622	16,871	-1,751	-9.4%
67.9%	16,257	15,277	-980	-6.0%
69.1%	15,551	15,165	-386	-2.5%
70.4%	15,165	14,712	-453	-3.0%
71.6%	14,583	14,132	-451	-3.1%
72.8%	14,530	14,002	-528	-3.6%
74.1%	13,927	13,965	39	0.3%
75.3%	13,388	13,045	-343	-2.6%
76.5%	13,376	12,206	-1,170	-8.7%
77.8%	13,366	12,135	-1,231	-9.2%
79.0%	13,015	11,987	-1,028	-7.9%
80.2%	12,478	11,895	-583	-4.7%
81.5%	12,127	11,864	-263	-2.2%
82.7%	11,597	11,420	-177	-1.5%
84.0%	11,330	11,390	61	0.5%
85.2%	10,771	11,192	421	3.9%
86.4%	10,646	10,803	158	1.5%
87.7%	10,500	10,477	-22	-0.2%
88.9%	10,385	10,433	47	0.5%
90.1%	10,309	10,184	-125	-1.2%
91.4%	9,774	9,730	-44	-0.4%
92.6%	9,754	9,675	-80	-0.8%
93.8%	9,398	9,444	46	0.5%
95.1%	9,081	9,364	282	3.1%
96.3%	7,999	9,048	1,049	13.1%
97.5%	7,092	8,261	1,168	16.5%
98.8%	6,567	7,251	684	10.4%
100.0%	5,993	6,756	762	12.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	189,717	189,720	3	0.0%
1.2%	181,929	178,461	-3,468	-1.9%
2.5%	128,286	124,479	-3,807	-3.0%
3.7%	107,918	105,744	-2,175	-2.0%
4.9%	100,474	98,495	-1,979	-2.0%
6.2%	96,879	94,706	-2,174	-2.2%
7.4%	94,703	92,044	-2,659	-2.8%
8.6%	76,419	72,662	-3,757	-4.9%
9.9%	73,545	68,312	-5,233	-7.1%
11.1%	72,056	66,431	-5,625	-7.8%
12.3%	66,380	62,595	-3,785	-5.7%
13.6%	61,713	59,982	-1,731	-2.8%
14.8%	61,213	57,491	-3,722	-6.1%
16.0%	59,248	54,948	-4,300	-7.3%
17.3%	57,454	53,700	-3,754	-6.5%
18.5%	55,236	53,117	-2,119	-3.8%
19.8%	51,720	51,730	10	0.0%
21.0%	49,962	46,198	-3,764	-7.5%
22.2%	48,480	46,155	-2,326	-4.8%
23.5%	47,977	45,804	-2,173	-4.5%
24.7%	42,734	40,118	-2,616	-6.1%
25.9%	41,874	39,220	-2,654	-6.3%
27.2%	40,810	38,880	-1,931	-4.7%
28.4%	39,318	36,985	-2,333	-5.9%
29.6%	39,303	34,778	-4,526	-11.5%
30.9%	37,906	32,912	-4,994	-13.2%
32.1%	36,065	31,681	-4,384	-12.2%
33.3%	35,111	31,625	-3,486	-9.9%
34.6%	34,555	31,451	-3,104	-9.0%
35.8%	31,945	30,873	-1,072	-3.4%
37.0%	30,867	29,063	-1,804	-5.8%
38.3%	30,264	28,717	-1,548	-5.1%
39.5%	29,000	28,589	-411	-1.4%
40.7%	28,397	27,437	-960	-3.4%
42.0%	27,695	25,435	-2,260	-8.2%
43.2%	27,186	23,997	-3,189	-11.7%
44.4%	26,208	23,406	-2,802	-10.7%
45.7%	24,690	22,002	-2,689	-10.9%
46.9%	23,878	21,277	-2,601	-10.9%
48.1%	23,423	21,150	-2,273	-9.7%
49.4%	22,377	19,333	-3,044	-13.6%
50.6%	22,122	19,009	-3,113	-14.1%
51.9%	20,754	18,455	-2,299	-11.1%
53.1%	20,638	17,814	-2,824	-13.7%
54.3%	20,538	17,439	-3,099	-15.1%
55.6%	19,931	17,310	-2,621	-13.1%
56.8%	19,689	17,270	-2,419	-12.3%
58.0%	19,409	16,855	-2,554	-13.2%
59.3%	18,452	16,057	-2,395	-13.0%
60.5%	18,026	15,365	-2,661	-14.8%
61.7%	17,853	14,753	-3,100	-17.4%
63.0%	17,218	14,281	-2,937	-17.1%
64.2%	17,122	14,278	-2,843	-16.6%
65.4%	16,470	14,212	-2,258	-13.7%
66.7%	16,328	14,038	-2,290	-14.0%
67.9%	16,313	13,942	-2,371	-14.5%
69.1%	16,158	13,843	-2,315	-14.3%
70.4%	16,138	13,207	-2,932	-18.2%
71.6%	15,556	13,200	-2,356	-15.1%
72.8%	15,556	12,667	-2,889	-18.6%
74.1%	15,310	12,107	-3,204	-20.9%
75.3%	15,179	12,031	-3,147	-20.7%
76.5%	14,003	12,007	-1,997	-14.3%
77.8%	12,680	11,093	-1,587	-12.5%
79.0%	12,596	10,836	-1,760	-14.0%
80.2%	11,441	10,554	-888	-7.8%
81.5%	11,303	10,490	-813	-7.2%
82.7%	10,793	10,328	-465	-4.3%
84.0%	9,994	10,286	292	2.9%
85.2%	9,652	9,883	231	2.4%
86.4%	9,632	9,652	19	0.2%
87.7%	9,346	9,458	112	1.2%
88.9%	8,875	9,396	520	5.9%
90.1%	8,738	8,839	101	1.2%
91.4%	8,651	8,380	-271	-3.1%
92.6%	8,390	8,297	-93	-1.1%
93.8%	8,285	8,134	-151	-1.8%
95.1%	8,031	7,934	-97	-1.2%
96.3%	6,734	7,253	519	7.7%
97.5%	6,375	7,062	687	10.8%
98.8%	5,931	6,969	1,038	17.5%
100.0%	5,608	6,413	805	14.4%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,750	99,337	-3,413	-3.3%
1.2%	80,513	77,069	-3,445	-4.3%
2.5%	72,360	72,378	18	0.0%
3.7%	60,667	59,400	-1,267	-2.1%
4.9%	59,404	57,325	-2,079	-3.5%
6.2%	56,679	54,048	-2,631	-4.6%
7.4%	53,501	53,505	4	0.0%
8.6%	53,114	50,604	-2,511	-4.7%
9.9%	52,368	49,609	-2,759	-5.3%
11.1%	47,277	44,890	-2,386	-5.0%
12.3%	42,779	42,475	-305	-0.7%
13.6%	40,809	40,261	-548	-1.3%
14.8%	40,167	38,358	-1,809	-4.5%
16.0%	39,989	37,752	-2,237	-5.6%
17.3%	36,652	34,782	-1,870	-5.1%
18.5%	36,431	33,878	-2,554	-7.0%
19.8%	34,856	33,561	-1,295	-3.7%
21.0%	34,767	32,767	-2,000	-5.8%
22.2%	34,486	32,524	-1,962	-5.7%
23.5%	31,547	29,297	-2,250	-7.1%
24.7%	31,135	28,187	-2,948	-9.5%
25.9%	21,172	21,164	-9	0.0%
27.2%	20,996	20,966	-30	-0.1%
28.4%	20,925	19,613	-1,312	-6.3%
29.6%	20,805	18,581	-2,224	-10.7%
30.9%	20,752	18,483	-2,269	-10.9%
32.1%	19,987	18,341	-1,646	-8.2%
33.3%	19,909	18,331	-1,578	-7.9%
34.6%	18,566	18,004	-563	-3.0%
35.8%	18,340	17,603	-737	-4.0%
37.0%	17,492	17,575	83	0.5%
38.3%	17,492	17,219	-273	-1.6%
39.5%	17,357	16,970	-387	-2.2%
40.7%	17,318	16,677	-641	-3.7%
42.0%	16,829	15,297	-1,532	-9.1%
43.2%	14,945	15,191	245	1.6%
44.4%	14,585	13,984	-601	-4.1%
45.7%	14,460	13,751	-709	-4.9%
46.9%	14,403	13,608	-795	-5.5%
48.1%	13,455	13,318	-138	-1.0%
49.4%	13,315	13,232	-83	-0.6%
50.6%	12,710	12,757	47	0.4%
51.9%	12,674	12,677	3	0.0%
53.1%	11,581	11,654	74	0.6%
54.3%	11,012	11,013	2	0.0%
55.6%	10,813	10,831	18	0.2%
56.8%	10,744	10,770	27	0.2%
58.0%	10,129	10,126	-2	0.0%
59.3%	10,033	10,005	-29	-0.3%
60.5%	10,003	9,974	-29	-0.3%
61.7%	9,950	9,944	-6	-0.1%
63.0%	9,872	9,724	-148	-1.5%
64.2%	9,477	9,397	-80	-0.8%
65.4%	9,374	9,373	-1	0.0%
66.7%	9,352	9,353	1	0.0%
67.9%	9,291	9,211	-80	-0.9%
69.1%	9,199	9,210	11	0.1%
70.4%	9,107	9,089	-17	-0.2%
71.6%	8,910	8,991	80	0.9%
72.8%	8,877	8,907	30	0.3%
74.1%	8,766	8,751	-15	-0.2%
75.3%	8,709	8,698	-11	-0.1%
76.5%	8,635	8,683	47	0.5%
77.8%	8,526	8,559	33	0.4%
79.0%	8,521	8,543	22	0.3%
80.2%	8,396	8,395	-1	0.0%
81.5%	8,331	8,073	-258	-3.1%
82.7%	7,763	7,831	68	0.9%
84.0%	7,637	7,611	-26	-0.3%
85.2%	7,431	7,553	122	1.6%
86.4%	7,429	7,488	59	0.8%
87.7%	7,263	7,487	225	3.1%
88.9%	7,153	7,464	312	4.4%
90.1%	7,145	7,318	173	2.4%
91.4%	7,144	7,122	-23	-0.3%
92.6%	7,094	7,094	0	0.0%
93.8%	7,067	7,084	17	0.2%
95.1%	6,951	7,040	89	1.3%
96.3%	6,358	6,739	381	6.0%
97.5%	6,284	6,015	-269	-4.3%
98.8%	5,972	5,967	-5	-0.1%
100.0%	5,249	4,989	-260	-4.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,076	55,403	-2,673	-4.6%
1.2%	49,536	47,645	-1,891	-3.8%
2.5%	46,892	46,896	3	0.0%
3.7%	45,221	44,825	-396	-0.9%
4.9%	40,881	40,559	-323	-0.8%
6.2%	37,250	37,156	-94	-0.3%
7.4%	36,604	36,509	-94	-0.3%
8.6%	35,934	35,292	-642	-1.8%
9.9%	35,393	35,078	-314	-0.9%
11.1%	34,837	34,825	-12	0.0%
12.3%	33,504	32,186	-1,318	-3.9%
13.6%	33,406	31,004	-2,403	-7.2%
14.8%	32,421	30,666	-1,755	-5.4%
16.0%	26,472	26,404	-68	-0.3%
17.3%	25,635	26,283	648	2.5%
18.5%	23,013	23,004	-8	0.0%
19.8%	23,003	21,203	-1,800	-7.8%
21.0%	22,527	21,079	-1,448	-6.4%
22.2%	21,342	20,647	-695	-3.3%
23.5%	20,785	19,302	-1,483	-7.1%
24.7%	19,447	17,842	-1,605	-8.3%
25.9%	18,564	17,833	-732	-3.9%
27.2%	16,207	16,212	4	0.0%
28.4%	15,080	14,821	-259	-1.7%
29.6%	14,409	14,352	-56	-0.4%
30.9%	14,307	13,608	-699	-4.9%
32.1%	13,931	13,568	-362	-2.6%
33.3%	13,609	12,776	-833	-6.1%
34.6%	12,774	12,678	-96	-0.7%
35.8%	12,678	12,032	-646	-5.1%
37.0%	12,269	11,638	-631	-5.1%
38.3%	11,671	11,626	-45	-0.4%
39.5%	11,669	11,381	-288	-2.5%
40.7%	11,390	11,022	-368	-3.2%
42.0%	11,019	10,861	-158	-1.4%
43.2%	10,856	10,857	1	0.0%
44.4%	10,856	10,794	-62	-0.6%
45.7%	10,647	10,650	3	0.0%
46.9%	10,363	10,540	177	1.7%
48.1%	10,241	10,397	156	1.5%
49.4%	10,235	10,240	5	0.0%
50.6%	10,232	9,931	-301	-2.9%
51.9%	9,400	9,328	-73	-0.8%
53.1%	9,095	9,108	13	0.1%
54.3%	9,046	9,107	61	0.7%
55.6%	8,973	8,988	15	0.2%
56.8%	8,891	8,953	62	0.7%
58.0%	8,793	8,889	96	1.1%
59.3%	8,726	8,795	69	0.8%
60.5%	8,627	8,731	105	1.2%
61.7%	8,483	8,726	243	2.9%
63.0%	8,254	8,675	421	5.1%
64.2%	8,094	8,628	534	6.6%
65.4%	8,048	8,302	254	3.2%
66.7%	7,912	8,167	255	3.2%
67.9%	7,810	7,941	131	1.7%
69.1%	7,763	7,882	118	1.5%
70.4%	7,715	7,790	75	1.0%
71.6%	7,684	7,761	77	1.0%
72.8%	7,641	7,733	92	1.2%
74.1%	7,619	7,652	33	0.4%
75.3%	7,445	7,615	170	2.3%
76.5%	7,422	7,607	185	2.5%
77.8%	7,377	7,450	73	1.0%
79.0%	7,112	7,048	-65	-0.9%
80.2%	6,945	7,045	100	1.4%
81.5%	6,824	6,928	104	1.5%
82.7%	6,733	6,835	101	1.5%
84.0%	6,448	6,806	359	5.6%
85.2%	6,428	6,576	148	2.3%
86.4%	6,418	6,333	-86	-1.3%
87.7%	6,354	6,331	-23	-0.4%
88.9%	6,230	5,910	-320	-5.1%
90.1%	6,146	5,878	-268	-4.4%
91.4%	5,731	5,769	38	0.7%
92.6%	5,547	5,720	173	3.1%
93.8%	5,140	5,641	501	9.7%
95.1%	4,639	4,624	-15	-0.3%
96.3%	4,607	4,494	-112	-2.4%
97.5%	4,227	4,124	-103	-2.4%
98.8%	4,126	3,979	-147	-3.6%
100.0%	3,464	3,670	206	5.9%

Table SW-32-5b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,967	54,847	-120	-0.2%
1.2%	43,324	43,214	-110	-0.3%
2.5%	31,087	31,919	831	2.7%
3.7%	30,854	31,899	1,045	3.4%
4.9%	29,275	31,400	2,125	7.3%
6.2%	28,510	28,916	407	1.4%
7.4%	28,018	28,427	409	1.5%
8.6%	23,753	24,697	943	4.0%
9.9%	20,851	20,401	-450	-2.2%
11.1%	15,023	20,188	5,165	34.4%
12.3%	14,784	15,037	253	1.7%
13.6%	14,253	14,615	362	2.5%
14.8%	13,198	13,540	341	2.6%
16.0%	12,257	12,981	724	5.9%
17.3%	12,142	12,833	691	5.7%
18.5%	12,034	12,604	570	4.7%
19.8%	11,761	12,214	454	3.9%
21.0%	10,986	11,348	362	3.3%
22.2%	10,316	10,654	338	3.3%
23.5%	9,102	9,638	535	5.9%
24.7%	8,739	8,997	258	3.0%
25.9%	8,450	8,854	404	4.8%
27.2%	8,414	8,810	396	4.7%
28.4%	8,190	8,627	437	5.3%
29.6%	8,067	8,461	394	4.9%
30.9%	7,917	8,429	512	6.5%
32.1%	7,913	8,276	363	4.6%
33.3%	7,755	8,081	326	4.2%
34.6%	7,686	7,992	306	4.0%
35.8%	7,641	7,956	315	4.1%
37.0%	7,577	7,951	374	4.9%
38.3%	7,535	7,849	313	4.2%
39.5%	7,525	7,824	299	4.0%
40.7%	7,491	7,513	21	0.3%
42.0%	7,107	7,422	315	4.4%
43.2%	6,942	7,220	279	4.0%
44.4%	6,899	7,190	291	4.2%
45.7%	6,853	7,146	293	4.3%
46.9%	6,788	7,122	334	4.9%
48.1%	6,780	7,045	264	3.9%
49.4%	6,757	7,011	253	3.7%
50.6%	6,699	6,989	290	4.3%
51.9%	6,676	6,962	285	4.3%
53.1%	6,536	6,919	383	5.9%
54.3%	6,362	6,906	544	8.5%
55.6%	6,312	6,804	492	7.8%
56.8%	6,292	6,687	394	6.3%
58.0%	6,289	6,589	300	4.8%
59.3%	6,232	6,554	322	5.2%
60.5%	6,196	6,537	341	5.5%
61.7%	6,173	6,536	363	5.9%
63.0%	6,144	6,496	352	5.7%
64.2%	6,140	6,351	211	3.4%
65.4%	6,138	6,313	175	2.8%
66.7%	6,126	6,244	118	1.9%
67.9%	6,081	6,226	145	2.4%
69.1%	5,979	6,225	246	4.1%
70.4%	5,880	6,155	274	4.7%
71.6%	5,859	6,147	288	4.9%
72.8%	5,822	6,144	322	5.5%
74.1%	5,815	6,047	231	4.0%
75.3%	5,814	5,918	104	1.8%
76.5%	5,747	5,917	170	3.0%
77.8%	5,662	5,899	236	4.2%
79.0%	5,569	5,795	227	4.1%
80.2%	5,332	5,705	373	7.0%
81.5%	5,303	5,633	329	6.2%
82.7%	5,291	5,594	303	5.7%
84.0%	5,205	5,569	364	7.0%
85.2%	5,159	5,518	359	7.0%
86.4%	5,157	5,403	246	4.8%
87.7%	5,037	5,383	346	6.9%
88.9%	4,908	5,330	422	8.6%
90.1%	4,821	5,013	191	4.0%
91.4%	4,527	4,945	418	9.2%
92.6%	4,378	4,875	497	11.4%
93.8%	3,795	4,372	577	15.2%
95.1%	3,671	3,915	244	6.6%
96.3%	3,632	3,825	193	5.3%
97.5%	3,279	3,797	518	15.8%
98.8%	3,243	3,625	382	11.8%
100.0%	3,201	3,444	243	7.6%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,373	20,880	6,507	45.3%
1.2%	14,333	20,779	6,446	45.0%
2.5%	14,278	20,711	6,433	45.1%
3.7%	14,182	20,660	6,478	45.7%
4.9%	14,034	20,576	6,542	46.6%
6.2%	14,024	20,571	6,547	46.7%
7.4%	13,992	20,427	6,435	46.0%
8.6%	13,645	20,106	6,461	47.4%
9.9%	13,628	20,068	6,440	47.3%
11.1%	13,612	20,049	6,437	47.3%
12.3%	13,600	20,002	6,402	47.1%
13.6%	13,526	19,914	6,387	47.2%
14.8%	13,494	14,449	955	7.1%
16.0%	13,447	14,299	851	6.3%
17.3%	13,416	14,189	773	5.8%
18.5%	13,296	14,062	767	5.8%
19.8%	13,236	13,919	683	5.2%
21.0%	12,881	13,755	874	6.8%
22.2%	12,740	13,692	952	7.5%
23.5%	12,645	13,665	1,020	8.1%
24.7%	12,604	13,168	564	4.5%
25.9%	12,580	13,118	538	4.3%
27.2%	12,506	13,002	496	4.0%
28.4%	12,411	12,809	398	3.2%
29.6%	12,216	12,748	532	4.4%
30.9%	12,001	12,643	643	5.4%
32.1%	11,941	12,594	653	5.5%
33.3%	11,780	12,574	793	6.7%
34.6%	11,698	12,556	858	7.3%
35.8%	11,441	12,452	1,010	8.8%
37.0%	11,441	12,334	893	7.8%
38.3%	11,441	12,249	808	7.1%
39.5%	11,355	11,999	643	5.7%
40.7%	11,180	11,997	818	7.3%
42.0%	11,005	11,966	960	8.7%
43.2%	10,961	11,890	929	8.5%
44.4%	10,935	11,853	918	8.4%
45.7%	10,914	11,839	925	8.5%
46.9%	10,904	11,800	896	8.2%
48.1%	10,884	11,795	911	8.4%
49.4%	10,848	11,722	874	8.1%
50.6%	10,835	11,703	867	8.0%
51.9%	10,829	11,670	840	7.8%
53.1%	10,826	11,661	835	7.7%
54.3%	10,807	11,618	811	7.5%
55.6%	10,788	11,539	752	7.0%
56.8%	10,778	11,515	738	6.8%
58.0%	10,767	11,513	746	6.9%
59.3%	10,645	11,313	668	6.3%
60.5%	10,598	11,277	679	6.4%
61.7%	10,543	11,169	626	5.9%
63.0%	10,321	10,919	598	5.8%
64.2%	10,129	10,637	509	5.0%
65.4%	9,915	10,604	689	6.9%
66.7%	9,907	10,596	688	6.9%
67.9%	9,896	10,200	304	3.1%
69.1%	9,854	10,121	268	2.7%
70.4%	9,760	10,091	331	3.4%
71.6%	9,408	10,061	654	6.9%
72.8%	9,120	10,061	941	10.3%
74.1%	9,037	9,989	952	10.5%
75.3%	9,002	9,764	763	8.5%
76.5%	9,001	9,555	554	6.2%
77.8%	8,901	9,386	485	5.4%
79.0%	8,875	9,181	306	3.5%
80.2%	8,494	8,901	407	4.8%
81.5%	8,372	8,507	134	1.6%
82.7%	8,123	8,387	264	3.3%
84.0%	7,958	8,280	321	4.0%
85.2%	7,824	8,114	290	3.7%
86.4%	7,286	8,076	790	10.8%
87.7%	7,248	7,712	464	6.4%
88.9%	7,053	7,585	532	7.5%
90.1%	6,782	7,520	738	10.9%
91.4%	6,515	6,515	0	0.0%
92.6%	6,496	6,316	-180	-2.8%
93.8%	6,489	6,285	-204	-3.1%
95.1%	5,902	5,985	83	1.4%
96.3%	5,718	5,743	25	0.4%
97.5%	4,713	5,363	651	13.8%
98.8%	3,208	5,345	2,137	66.6%
100.0%	2,656	4,678	2,022	76.1%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,312	13,188	1,876	16.6%
1.2%	11,023	11,880	857	7.8%
2.5%	11,005	11,281	275	2.5%
3.7%	10,652	11,165	514	4.8%
4.9%	10,131	11,101	970	9.6%
6.2%	10,096	11,051	955	9.5%
7.4%	10,093	10,721	628	6.2%
8.6%	10,009	10,692	684	6.8%
9.9%	9,953	10,674	721	7.2%
11.1%	9,822	10,652	830	8.5%
12.3%	9,707	10,601	895	9.2%
13.6%	9,670	10,600	930	9.6%
14.8%	9,611	10,576	965	10.0%
16.0%	9,576	10,542	966	10.1%
17.3%	9,551	10,531	980	10.3%
18.5%	9,519	10,267	748	7.9%
19.8%	9,488	10,261	774	8.2%
21.0%	9,404	10,259	855	9.1%
22.2%	9,399	10,224	825	8.8%
23.5%	9,347	10,220	873	9.3%
24.7%	9,324	10,189	865	9.3%
25.9%	9,266	10,158	892	9.6%
27.2%	9,257	10,141	884	9.5%
28.4%	9,229	9,921	692	7.5%
29.6%	9,200	9,639	439	4.8%
30.9%	9,198	9,633	435	4.7%
32.1%	9,184	9,586	402	4.4%
33.3%	9,182	9,537	355	3.9%
34.6%	9,147	9,447	300	3.3%
35.8%	9,056	9,416	360	4.0%
37.0%	9,043	9,373	330	3.7%
38.3%	8,995	9,188	194	2.2%
39.5%	8,935	9,090	155	1.7%
40.7%	8,867	9,085	219	2.5%
42.0%	8,859	9,042	182	2.1%
43.2%	8,841	8,943	102	1.2%
44.4%	8,776	8,890	114	1.3%
45.7%	8,750	8,889	138	1.6%
46.9%	8,715	8,834	119	1.4%
48.1%	8,665	8,815	150	1.7%
49.4%	8,600	8,776	177	2.1%
50.6%	8,546	8,764	218	2.5%
51.9%	8,423	8,707	284	3.4%
53.1%	8,402	8,705	304	3.6%
54.3%	8,394	8,597	202	2.4%
55.6%	8,394	8,552	158	1.9%
56.8%	8,304	8,456	152	1.8%
58.0%	8,278	8,393	114	1.4%
59.3%	8,158	8,308	149	1.8%
60.5%	8,064	8,282	218	2.7%
61.7%	8,052	8,167	115	1.4%
63.0%	7,989	8,064	75	0.9%
64.2%	7,975	8,053	79	1.0%
65.4%	7,930	7,973	43	0.5%
66.7%	7,911	7,935	25	0.3%
67.9%	7,849	7,909	61	0.8%
69.1%	7,785	7,887	103	1.3%
70.4%	7,665	7,880	216	2.8%
71.6%	7,633	7,783	150	2.0%
72.8%	7,629	7,622	-7	-0.1%
74.1%	7,608	7,620	12	0.2%
75.3%	7,224	7,556	332	4.6%
76.5%	7,216	7,321	105	1.5%
77.8%	7,119	7,243	124	1.7%
79.0%	6,870	7,214	344	5.0%
80.2%	6,551	7,201	650	9.9%
81.5%	6,338	7,200	862	13.6%
82.7%	6,197	7,119	923	14.9%
84.0%	6,109	6,168	60	1.0%
85.2%	6,071	6,057	-14	-0.2%
86.4%	4,659	6,053	1,395	29.9%
87.7%	4,404	6,022	1,618	36.7%
88.9%	3,871	5,842	1,971	50.9%
90.1%	3,700	5,506	1,807	48.8%
91.4%	3,470	5,474	2,004	57.8%
92.6%	3,392	5,046	1,654	48.8%
93.8%	3,155	4,518	1,364	43.2%
95.1%	2,526	3,556	1,030	40.8%
96.3%	2,430	3,519	1,090	44.8%
97.5%	2,318	3,491	1,173	50.6%
98.8%	2,269	3,461	1,192	52.5%
100.0%	2,203	2,285	82	3.7%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,830	25,966	136	0.5%
1.2%	25,080	25,518	438	1.7%
2.5%	24,994	25,345	352	1.4%
3.7%	24,955	25,089	134	0.5%
4.9%	24,736	25,014	277	1.1%
6.2%	24,728	24,971	243	1.0%
7.4%	24,440	24,941	500	2.0%
8.6%	24,229	24,710	481	2.0%
9.9%	24,136	24,476	340	1.4%
11.1%	24,134	24,454	320	1.3%
12.3%	24,052	24,442	389	1.6%
13.6%	23,952	24,266	314	1.3%
14.8%	23,766	24,205	440	1.8%
16.0%	23,598	24,204	606	2.6%
17.3%	23,087	24,105	1,018	4.4%
18.5%	22,702	24,077	1,375	6.1%
19.8%	22,145	24,071	1,926	8.7%
21.0%	21,384	24,064	2,680	12.5%
22.2%	21,353	24,056	2,703	12.7%
23.5%	21,343	23,897	2,554	12.0%
24.7%	20,869	23,656	2,788	13.4%
25.9%	14,434	20,901	6,467	44.8%
27.2%	14,418	14,311	-108	-0.7%
28.4%	14,242	14,023	-219	-1.5%
29.6%	14,139	13,691	-447	-3.2%
30.9%	13,593	13,687	93	0.7%
32.1%	13,210	13,358	148	1.1%
33.3%	13,104	13,178	74	0.6%
34.6%	12,980	13,139	159	1.2%
35.8%	12,522	13,100	578	4.6%
37.0%	12,220	12,883	663	5.4%
38.3%	12,167	12,520	353	2.9%
39.5%	12,081	12,410	329	2.7%
40.7%	11,666	12,343	678	5.8%
42.0%	11,513	12,276	763	6.6%
43.2%	11,251	12,159	908	8.1%
44.4%	9,419	11,508	2,089	22.2%
45.7%	9,115	11,184	2,068	22.7%
46.9%	7,694	8,325	631	8.2%
48.1%	7,273	8,304	1,031	14.2%
49.4%	7,089	7,764	675	9.5%
50.6%	7,042	7,688	646	9.2%
51.9%	6,943	7,547	604	8.7%
53.1%	6,544	7,505	962	14.7%
54.3%	6,429	7,491	1,063	16.5%
55.6%	6,388	7,402	1,015	15.9%
56.8%	6,341	7,399	1,058	16.7%
58.0%	6,303	7,358	1,055	16.7%
59.3%	6,263	7,091	827	13.2%
60.5%	6,196	7,057	861	13.9%
61.7%	6,155	6,863	708	11.5%
63.0%	6,101	6,723	622	10.2%
64.2%	6,035	6,599	565	9.4%
65.4%	5,969	6,578	609	10.2%
66.7%	5,863	6,569	706	12.0%
67.9%	5,814	6,484	671	11.5%
69.1%	5,707	6,458	751	13.2%
70.4%	5,602	6,411	809	14.4%
71.6%	5,495	6,404	909	16.5%
72.8%	5,492	6,403	912	16.6%
74.1%	5,440	6,232	791	14.5%
75.3%	5,255	6,147	892	17.0%
76.5%	5,244	6,140	895	17.1%
77.8%	5,228	6,137	909	17.4%
79.0%	5,150	6,026	876	17.0%
80.2%	5,109	6,012	903	17.7%
81.5%	4,952	6,005	1,053	21.3%
82.7%	4,756	5,846	1,090	22.9%
84.0%	4,384	5,818	1,434	32.7%
85.2%	3,982	5,708	1,725	43.3%
86.4%	3,386	5,494	2,108	62.3%
87.7%	3,000	5,435	2,435	81.2%
88.9%	3,000	5,380	2,380	79.3%
90.1%	3,000	5,265	2,265	75.5%
91.4%	3,000	5,245	2,245	74.8%
92.6%	3,000	4,603	1,603	53.4%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-33-5a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Outflow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	5,927	11,674	21,446	42,528	51,653	42,537	29,887	22,080	12,750	8,048	4,593	9,663
Alternative B	6,051	11,565	21,128	41,244	50,577	40,223	29,123	21,782	13,298	9,031	5,051	9,903
Difference	124	-109	-318	-1,284	-1,076	-2,315	-764	-299	548	984	458	239
Percent Difference[3]	2.1%	-0.9%	-1.5%	-3.0%	-2.1%	-5.4%	-2.6%	-1.4%	4.3%	12.2%	10.0%	2.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,387	18,519	25,088	84,405	95,517	78,395	54,269	40,411	23,163	11,329	5,031	19,685
Alternative B	8,160	18,283	23,980	83,028	94,048	75,808	52,946	39,786	23,840	12,445	5,333	19,605
Difference	-227	-235	-1,108	-1,377	-1,469	-2,587	-1,324	-625	678	1,117	302	-80
Percent Difference	-2.7%	-1.3%	-4.4%	-1.6%	-1.5%	-3.3%	-2.4%	-1.5%	2.9%	9.9%	6.0%	-0.4%
Above Normal (15%)												
No Action Alternative	5,945	13,441	19,382	47,552	60,411	52,963	31,605	23,647	11,872	9,611	4,000	11,732
Alternative B	6,010	13,096	18,668	45,365	58,604	49,726	30,452	22,995	12,546	10,925	4,458	11,680
Difference	65	-346	-714	-2,188	-1,807	-3,237	-1,153	-652	674	1,313	458	-52
Percent Difference	1.1%	-2.6%	-3.7%	-4.6%	-3.0%	-6.1%	-3.6%	-2.8%	5.7%	13.7%	11.5%	-0.4%
Below Normal (17%)												
No Action Alternative	5,694	9,690	26,481	22,181	35,426	22,962	21,469	15,813	8,200	7,446	4,011	3,330
Alternative B	6,025	10,272	27,027	20,831	35,227	20,071	20,961	15,637	8,710	8,461	4,692	4,139
Difference	331	582	547	-1,350	-200	-2,891	-508	-176	510	1,015	681	809
Percent Difference	5.8%	6.0%	2.1%	-6.1%	-0.6%	-12.6%	-2.4%	-1.1%	6.2%	13.6%	17.0%	24.3%
Dry (22%)												
No Action Alternative	4,164	6,822	23,161	14,784	20,810	19,584	14,060	10,203	6,788	5,221	4,879	3,172
Alternative B	4,192	6,936	22,944	14,057	20,060	17,375	13,618	10,345	7,072	6,205	5,645	3,721
Difference	28	114	-218	-727	-750	-2,209	-442	142	284	984	766	549
Percent Difference	0.7%	1.7%	-0.9%	-4.9%	-3.6%	-11.3%	-3.1%	1.4%	4.2%	18.8%	15.7%	17.3%
Critical (15%)												
No Action Alternative	3,497	4,672	7,170	12,128	13,050	11,686	8,904	5,927	5,318	4,316	4,489	3,008
Alternative B	4,344	3,932	7,801	11,190	12,047	11,399	8,961	5,882	5,900	4,645	4,561	3,099
Difference	847	-740	631	-938	-1,002	-287	57	-45	582	329	73	91
Percent Difference	24.2%	-15.8%	8.8%	-7.7%	-7.7%	-2.5%	0.6%	-0.8%	10.9%	7.6%	1.6%	3.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-33-5b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

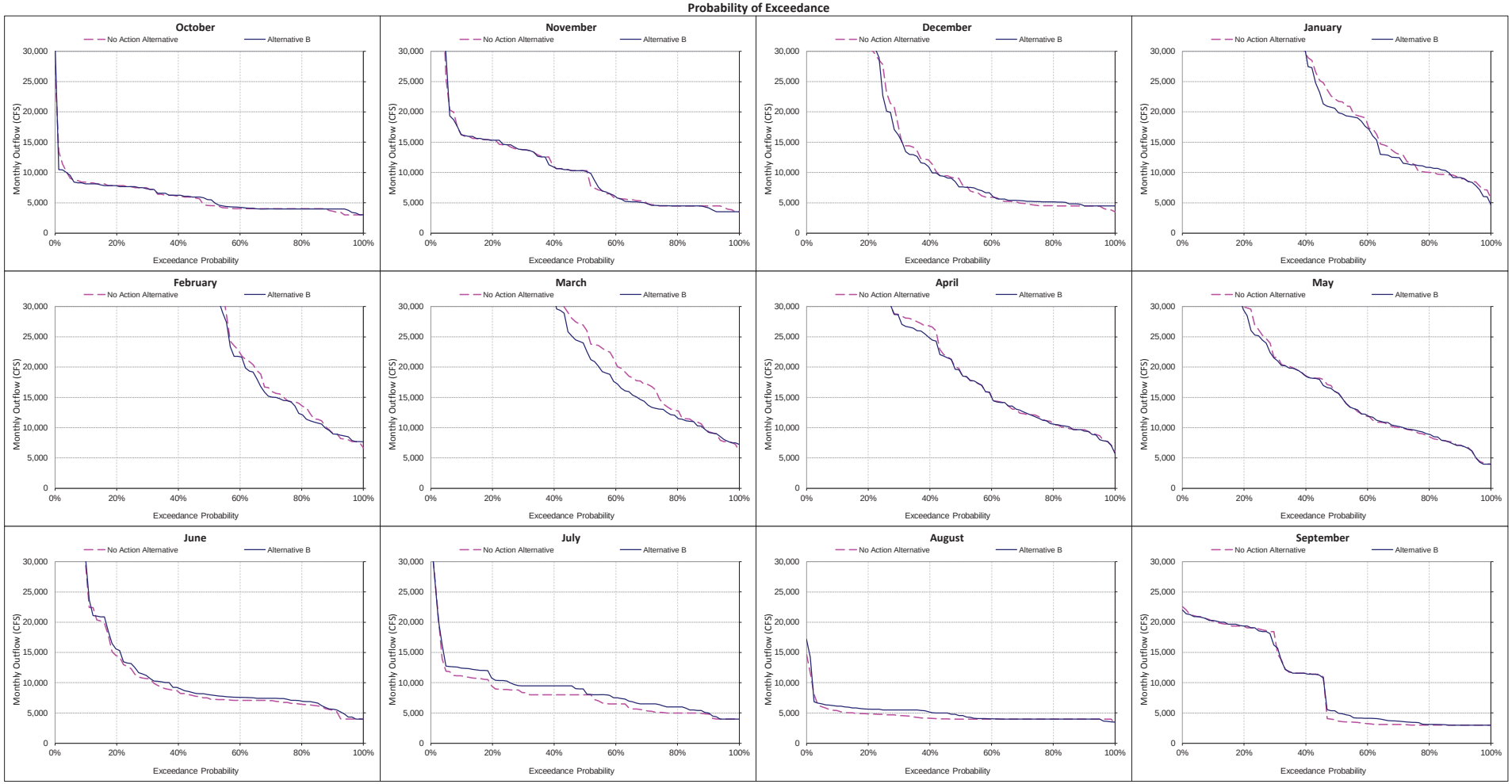

Table SW-33-5b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	27,572	32,162	4,590	16.6%
1.2%	13,476	10,469	-3,007	-22.3%
2.5%	11,406	10,439	-967	-8.5%
3.7%	10,134	10,000	-134	-1.3%
4.9%	9,063	9,527	465	5.1%
6.2%	8,750	8,438	-313	-3.6%
7.4%	8,677	8,281	-395	-4.6%
8.6%	8,438	8,281	-156	-1.9%
9.9%	8,438	8,125	-313	-3.7%
11.1%	8,281	8,125	-156	-1.9%
12.3%	8,281	8,125	-156	-1.9%
13.6%	8,125	8,125	0	0.0%
14.8%	8,125	7,969	-156	-1.9%
16.0%	8,125	7,813	-313	-3.8%
17.3%	7,813	7,813	0	0.0%
18.5%	7,813	7,813	0	0.0%
19.8%	7,813	7,813	0	0.0%
21.0%	7,813	7,656	-156	-2.0%
22.2%	7,813	7,656	-156	-2.0%
23.5%	7,656	7,656	0	0.0%
24.7%	7,656	7,656	0	0.0%
25.9%	7,500	7,656	156	2.1%
27.2%	7,500	7,500	0	0.0%
28.4%	7,500	7,500	0	0.0%
29.6%	7,500	7,344	-156	-2.1%
30.9%	7,188	7,188	0	0.0%
32.1%	7,188	7,188	0	0.0%
33.3%	6,406	6,577	171	2.7%
34.6%	6,406	6,563	156	2.4%
35.8%	6,250	6,561	311	5.0%
37.0%	6,250	6,250	0	0.0%
38.3%	6,250	6,250	0	0.0%
39.5%	6,094	6,250	156	2.6%
40.7%	6,094	6,250	156	2.6%
42.0%	5,938	6,094	156	2.6%
43.2%	5,938	6,094	156	2.6%
44.4%	5,938	5,938	0	0.0%
45.7%	5,781	5,938	156	2.7%
46.9%	5,643	5,938	295	5.2%
48.1%	4,699	5,812	1,113	23.7%
49.4%	4,569	5,518	948	20.8%
50.6%	4,542	5,496	954	21.0%
51.9%	4,502	4,932	430	9.5%
53.1%	4,438	4,590	152	3.4%
54.3%	4,167	4,492	325	7.8%
55.6%	4,148	4,395	247	6.0%
56.8%	4,089	4,314	225	5.5%
58.0%	4,032	4,312	280	6.9%
59.3%	4,000	4,264	264	6.6%
60.5%	4,000	4,249	249	6.2%
61.7%	4,000	4,167	167	4.2%
63.0%	4,000	4,099	99	2.5%
64.2%	4,000	4,096	96	2.4%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	3,724	4,000	276	7.4%
90.1%	3,612	4,000	388	10.7%
91.4%	3,450	4,000	550	15.9%
92.6%	3,449	4,000	551	16.0%
93.8%	3,000	4,000	1,000	33.3%
95.1%	3,000	3,761	761	25.4%
96.3%	3,000	3,399	399	13.3%
97.5%	3,000	3,302	302	10.1%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	79,160	78,078	-1,083	-1.4%
1.2%	51,638	48,054	-3,584	-6.9%
2.5%	47,407	46,245	-1,162	-2.5%
3.7%	41,509	38,829	-2,680	-6.5%
4.9%	25,579	29,565	3,986	15.6%
6.2%	20,304	19,363	-941	-4.6%
7.4%	19,987	18,726	-1,261	-6.3%
8.6%	17,477	17,604	128	0.7%
9.9%	16,250	16,250	0	0.0%
11.1%	15,938	16,078	140	0.9%
12.3%	15,938	15,938	0	0.0%
13.6%	15,625	15,938	313	2.0%
14.8%	15,625	15,625	0	0.0%
16.0%	15,469	15,625	156	1.0%
17.3%	15,469	15,469	0	0.0%
18.5%	15,398	15,398	0	0.0%
19.8%	15,313	15,313	0	0.0%
21.0%	15,313	15,313	0	0.0%
22.2%	14,641	15,313	672	4.6%
23.5%	14,591	14,641	50	0.3%
24.7%	14,573	14,591	18	0.1%
25.9%	14,198	14,573	375	2.6%
27.2%	13,935	14,198	262	1.9%
28.4%	13,849	13,849	0	0.0%
29.6%	13,789	13,789	0	0.0%
30.9%	13,733	13,733	0	0.0%
32.1%	13,616	13,616	0	0.0%
33.3%	13,371	13,371	0	0.0%
34.6%	12,926	12,707	-219	-1.7%
35.8%	12,707	12,570	-137	-1.1%
37.0%	12,570	12,549	-22	-0.2%
38.3%	12,549	11,250	-1,299	-10.3%
39.5%	11,250	10,988	-262	-2.3%
40.7%	10,625	10,625	0	0.0%
42.0%	10,625	10,625	0	0.0%
43.2%	10,625	10,469	-156	-1.5%
44.4%	10,469	10,469	0	0.0%
45.7%	10,313	10,313	0	0.0%
46.9%	10,313	10,313	0	0.0%
48.1%	10,313	10,313	0	0.0%
49.4%	10,313	10,313	0	0.0%
50.6%	10,313	10,154	-159	-1.5%
51.9%	7,617	9,844	2,227	29.2%
53.1%	7,403	8,676	1,273	17.2%
54.3%	7,115	7,590	475	6.7%
55.6%	7,007	6,959	-49	-0.7%
56.8%	6,506	6,806	301	4.6%
58.0%	6,500	6,474	-26	-0.4%
59.3%	5,917	6,231	314	5.3%
60.5%	5,735	5,787	52	0.9%
61.7%	5,656	5,604	-52	-0.9%
63.0%	5,622	5,255	-367	-6.5%
64.2%	5,504	5,190	-315	-5.7%
65.4%	5,478	5,167	-312	-5.7%
66.7%	5,373	5,167	-206	-3.8%
67.9%	5,337	5,048	-288	-5.4%
69.1%	5,271	5,043	-228	-4.3%
70.4%	4,798	4,804	6	0.1%
71.6%	4,698	4,582	-117	-2.5%
72.8%	4,661	4,561	-99	-2.1%
74.1%	4,500	4,528	28	0.6%
75.3%	4,500	4,519	19	0.4%
76.5%	4,500	4,507	7	0.2%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,500	0	0.0%
88.9%	4,500	4,296	-204	-4.5%
90.1%	4,500	4,167	-333	-7.4%
91.4%	4,500	3,817	-683	-15.2%
92.6%	4,500	3,500	-1,000	-22.2%
93.8%	4,500	3,500	-1,000	-22.2%
95.1%	4,189	3,500	-689	-16.5%
96.3%	3,954	3,500	-454	-11.5%
97.5%	3,863	3,500	-363	-9.4%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	156,667	156,662	-5	0.0%
1.2%	99,310	97,569	-1,741	-1.8%
2.5%	90,880	90,251	-629	-0.7%
3.7%	88,261	83,397	-4,864	-5.5%
4.9%	82,120	82,022	-98	-0.1%
6.2%	80,995	79,113	-1,883	-2.3%
7.4%	78,558	74,884	-3,674	-4.7%
8.6%	68,492	68,092	-400	-0.6%
9.9%	65,165	66,848	1,684	2.6%
11.1%	65,147	63,491	-1,655	-2.5%
12.3%	50,599	50,030	-569	-1.1%
13.6%	49,786	42,848	-6,938	-13.9%
14.8%	46,245	42,331	-3,914	-8.5%
16.0%	36,990	40,546	3,556	9.6%
17.3%	36,840	38,782	1,942	5.3%
18.5%	34,950	36,149	1,199	3.4%
19.8%	34,171	35,426	1,255	3.7%
21.0%	30,379	30,591	212	0.7%
22.2%	29,582	30,441	859	2.9%
23.5%	28,620	28,964	344	1.2%
24.7%	27,838	22,640	-5,198	-18.7%
25.9%	23,241	20,089	-3,152	-13.6%
27.2%	21,428	19,949	-1,479	-6.9%
28.4%	20,927	17,099	-3,827	-18.3%
29.6%	18,008	16,258	-1,750	-9.7%
30.9%	14,976	15,134	158	1.1%
32.1%	14,399	13,429	-970	-6.7%
33.3%	14,390	12,970	-1,420	-9.9%
34.6%	14,179	12,930	-1,249	-8.8%
35.8%	13,672	12,635	-1,037	-7.6%
37.0%	12,332	11,596	-736	-6.0%
38.3%	12,191	11,473	-719	-5.9%
39.5%	12,106	10,963	-1,143	-9.4%
40.7%	11,411	9,924	-1,487	-13.0%
42.0%	10,209	9,917	-292	-2.9%
43.2%	9,501	9,476	-24	-0.3%
44.4%	9,474	9,363	-110	-1.2%
45.7%	9,472	9,109	-363	-3.8%
46.9%	9,211	9,046	-165	-1.8%
48.1%	9,049	8,487	-563	-6.2%
49.4%	9,029	7,616	-1,413	-15.6%
50.6%	7,899	7,604	-296	-3.7%
51.9%	7,815	7,549	-266	-3.4%
53.1%	6,960	7,543	583	8.4%
54.3%	6,729	7,452	722	10.7%
55.6%	6,644	7,149	505	7.6%
56.8%	6,175	7,016	840	13.6%
58.0%	5,945	6,678	733	12.3%
59.3%	5,913	6,661	748	12.6%
60.5%	5,908	6,002	95	1.6%
61.7%	5,840	5,660	-181	-3.1%
63.0%	5,339	5,630	291	5.5%
64.2%	5,245	5,609	364	6.9%
65.4%	5,223	5,411	188	3.6%
66.7%	5,174	5,390	216	4.2%
67.9%	5,168	5,388	221	4.3%
69.1%	4,941	5,349	408	8.3%
70.4%	4,881	5,306	425	8.7%
71.6%	4,823	5,253	431	8.9%
72.8%	4,708	5,234	526	11.2%
74.1%	4,604	5,215	611	13.3%
75.3%	4,533	5,192	659	14.5%
76.5%	4,528	5,173	644	14.2%
77.8%	4,524	5,168	644	14.2%
79.0%	4,524	5,155	631	13.9%
80.2%	4,524	5,138	613	13.6%
81.5%	4,500	5,127	627	13.9%
82.7%	4,500	5,095	595	13.2%
84.0%	4,500	5,083	583	13.0%
85.2%	4,500	4,833	333	7.4%
86.4%	4,500	4,818	318	7.1%
87.7%	4,500	4,797	297	6.6%
88.9%	4,500	4,753	253	5.6%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,448	4,500	52	1.2%
96.3%	4,074	4,500	426	10.5%
97.5%	3,841	4,500	659	17.1%
98.8%	3,802	4,500	698	18.4%
100.0%	3,500	4,500	1,000	28.6%

January				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	278,477	276,096	-2,381	-0.9%
1.2%	207,678	205,304	-2,374	-1.1%
2.5%	161,561	157,533	-4,029	-2.5%
3.7%	131,751	131,757	6	0.0%
4.9%	124,362	118,907	-5,455	-4.4%
6.2%	113,561	111,143	-2,418	-2.1%
7.4%	110,192	110,662	470	0.4%
8.6%	108,113	106,572	-1,541	-1.4%
9.9%	106,869	102,512	-4,357	-4.1%
11.1%	97,405	97,508	103	0.1%
12.3%	97,243	95,429	-1,814	-1.9%
13.6%	83,163	79,866	-3,297	-4.0%
14.8%	82,120	77,734	-4,386	-5.3%
16.0%	78,556	76,180	-2,376	-3.0%
17.3%	78,263	75,617	-2,646	-3.4%
18.5%	75,194	73,498	-1,696	-2.3%
19.8%	67,171	65,356	-1,815	-2.7%
21.0%	65,620	63,561	-2,058	-3.1%
22.2%	63,550	63,519	-31	0.0%
23.5%	63,331	61,584	-1,747	-2.8%
24.7%	60,029	57,396	-2,634	-4.4%
25.9%	51,508	47,393	-4,115	-8.0%
27.2%	48,416	47,313	-1,102	-2.3%
28.4%	47,924	46,440	-1,483	-3.1%
29.6%	47,875	45,606	-2,269	-4.7%
30.9%	47,572	44,079	-3,493	-7.3%
32.1%	46,453	41,692	-4,761	-10.2%
33.3%	41,558	40,110	-1,448	-3.5%
34.6%	40,095	39,239	-857	-2.1%
35.8%	39,337	37,546	-1,792	-4.6%
37.0%	34,516	31,953	-2,563	-7.4%
38.3%	32,155	31,597	-558	-1.7%
39.5%	29,977	31,065	1,088	3.6%
40.7%	28,938	27,495	-1,443	-5.0%
42.0%	28,470	27,297	-1,173	-4.1%
43.2%	26,524	24,746	-1,778	-6.7%
44.4%	25,227	23,281	-1,946	-7.7%
45.7%	24,807	21,299	-3,509	-14.1%
46.9%	23,662	20,931	-2,731	-11.5%
48.1%	22,667	20,783	-1,884	-8.3%
49.4%	22,147	20,599	-1,548	-7.0%
50.6%	21,722	19,868	-1,854	-8.5%
51.9%	21,644	19,693	-1,951	-9.0%
53.1%	21,000	19,332	-1,668	-7.9%
54.3%	20,911	19,278	-1,633	-7.8%
55.6%	19,619	19,123	-496	-2.5%
56.8%	19,390	19,034	-355	-1.8%
58.0%	19,242	18,459	-783	-4.1%
59.3%	19,012	17,640	-1,373	-7.2%
60.5%	17,245	17,133	-112	-0.7%
61.7%	17,201	16,047	-1,154	-6.7%
63.0%	16,275	15,383	-892	-5.5%
64.2%	14,692	12,988	-1,704	-11.6%
65.4%	14,535	12,962	-1,573	-10.8%
66.7%	14,263	12,860	-1,403	-9.8%
67.9%	13,712	12,532	-1,180	-8.6%
69.1%	13,214	12,479	-735	-5.6%
70.4%	12,992	12,427	-565	-4.3%
71.6%	12,797	11,504	-1,293	-10.1%
72.8%	11,772	11,432	-341	-2.9%
74.1%	11,663	11,283	-379	-3.3%
75.3%	11,277	11,261	-16	-0.1%
76.5%	10,143	11,157	1,014	10.0%
77.8%	10,133	11,082	948	9.4%
79.0%	10,054	10,856	802	8.0%
80.2%	10,018	10,854	835	8.3%
81.5%	9,994	10,695	702	7.0%
82.7%	9,728	10,686	959	9.9%
84.0%	9,667	10,448	780	8.1%
85.2%	9,658	10,327	669	6.9%
86.4%	9,652	9,939	287	3.0%
87.7%	9,584	9,188	-395	-4.1%
88.9%	9,322	9,185	-138	-1.5%
90.1%	8,975	9,153	178	2.0%
91.4%	8,945	8,972	27	0.3%
92.6%	8,547	8,492	-55	-0.6%
93.8%	8,478	8,381	-97	-1.1%
95.1%	8,478	7,836	-642	-7.6%
96.3%	7,772	7,170	-602	-7.7%
97.5%	7,157	6,038	-1,119	-15.6%
98.8%	7,101	5,997	-1,104	-15.5%
100.0%	5,704	4,669	-1,035	-18.1%

Table SW-33-5b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative B Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	220,790	218,193	-2,598	-1.2%
1.2%	213,943	216,824	2,882	1.3%
2.5%	180,024	179,183	-841	-0.5%
3.7%	153,109	149,665	-3,444	-2.2%
4.9%	146,544	142,930	-3,614	-2.5%
6.2%	136,522	135,380	-1,142	-0.8%
7.4%	136,092	133,993	-2,099	-1.5%
8.6%	136,054	132,606	-3,448	-2.5%
9.9%	122,489	125,506	3,017	2.5%
11.1%	121,900	119,136	-2,764	-2.3%
12.3%	118,544	115,930	-2,615	-2.2%
13.6%	108,403	108,214	-188	-0.2%
14.8%	101,716	99,127	-2,588	-2.5%
16.0%	92,435	92,451	16	0.0%
17.3%	88,770	86,209	-2,560	-2.9%
18.5%	84,099	84,548	449	0.5%
19.8%	76,648	79,164	2,516	3.3%
21.0%	75,992	76,065	73	0.1%
22.2%	75,436	75,070	-366	-0.5%
23.5%	74,112	71,635	-2,476	-3.3%
24.7%	72,055	71,136	-919	-1.3%
25.9%	70,630	67,782	-2,848	-4.0%
27.2%	69,602	67,629	-1,973	-2.8%
28.4%	63,558	64,294	736	1.2%
29.6%	59,244	56,124	-3,120	-5.3%
30.9%	55,962	55,961	-1	0.0%
32.1%	55,476	53,863	-1,612	-2.9%
33.3%	54,806	53,467	-1,339	-2.4%
34.6%	52,776	52,808	32	0.1%
35.8%	52,676	50,446	-2,230	-4.2%
37.0%	52,268	50,129	-2,140	-4.1%
38.3%	52,158	48,768	-3,390	-6.5%
39.5%	50,940	48,230	-2,710	-5.3%
40.7%	49,197	48,170	-1,027	-2.1%
42.0%	48,227	45,847	-2,379	-4.9%
43.2%	46,038	43,993	-2,044	-4.4%
44.4%	44,620	42,568	-2,053	-4.6%
45.7%	38,653	38,655	3	0.0%
46.9%	38,431	36,972	-1,459	-3.8%
48.1%	36,513	36,200	-313	-0.9%
49.4%	35,577	33,358	-2,218	-6.2%
50.6%	33,653	32,363	-1,290	-3.8%
51.9%	33,260	31,461	-1,799	-5.4%
53.1%	33,222	30,872	-2,351	-7.1%
54.3%	32,900	28,979	-3,921	-11.9%
55.6%	28,595	27,371	-1,224	-4.3%
56.8%	24,308	23,366	-942	-3.9%
58.0%	23,538	21,798	-1,739	-7.4%
59.3%	22,900	21,776	-1,124	-4.9%
60.5%	21,843	21,653	-191	-0.9%
61.7%	21,264	19,854	-1,410	-6.6%
63.0%	20,917	19,330	-1,587	-7.6%
64.2%	20,408	19,181	-1,227	-6.0%
65.4%	19,433	18,046	-1,386	-7.1%
66.7%	18,826	16,806	-2,020	-10.7%
67.9%	16,689	15,875	-814	-4.9%
69.1%	16,624	15,207	-1,417	-8.5%
70.4%	15,932	15,036	-897	-5.6%
71.6%	15,652	14,988	-664	-4.2%
72.8%	15,576	14,802	-774	-5.0%
74.1%	15,036	14,500	-536	-3.6%
75.3%	14,500	14,456	-44	-0.3%
76.5%	14,295	14,237	-59	-0.4%
77.8%	14,284	13,583	-701	-4.9%
79.0%	14,024	12,371	-1,653	-11.8%
80.2%	13,526	12,106	-1,419	-10.5%
81.5%	13,326	11,400	-1,926	-14.5%
82.7%	12,298	11,145	-1,153	-9.4%
84.0%	11,435	10,934	-501	-4.4%
85.2%	11,400	10,779	-621	-5.4%
86.4%	11,145	10,586	-559	-5.0%
87.7%	10,167	9,913	-254	-2.5%
88.9%	9,613	9,531	-81	-0.8%
90.1%	9,063	8,955	-108	-1.2%
91.4%	8,980	8,938	-42	-0.5%
92.6%	8,193	8,774	581	7.1%
93.8%	8,117	8,636	518	6.4%
95.1%	7,990	8,518	529	6.6%
96.3%	7,714	7,876	162	2.1%
97.5%	7,682	7,714	32	0.4%
98.8%	7,528	7,711	183	2.4%
100.0%	6,643	7,654	1,011	15.2%

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative B Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	258,964	258,919	-45	0.0%
1.2%	212,300	208,845	-3,454	-1.6%
2.5%	167,229	163,313	-3,916	-2.3%
3.7%	146,256	143,048	-3,208	-2.2%
4.9%	116,437	114,277	-2,161	-1.9%
6.2%	110,246	107,304	-2,942	-2.7%
7.4%	107,301	105,352	-1,949	-1.8%
8.6%	88,721	84,869	-3,852	-4.3%
9.9%	86,200	84,286	-1,914	-2.2%
11.1%	84,411	78,985	-5,426	-6.4%
12.3%	83,841	78,942	-4,899	-5.8%
13.6%	82,221	77,933	-4,288	-5.2%
14.8%	81,391	77,438	-3,953	-4.9%
16.0%	69,601	65,057	-4,543	-6.5%
17.3%	68,217	64,228	-3,990	-5.8%
18.5%	65,391	61,979	-3,412	-5.2%
19.8%	62,911	60,547	-2,365	-3.8%
21.0%	62,760	60,245	-2,516	-4.0%
22.2%	61,763	59,771	-1,992	-3.2%
23.5%	59,761	58,543	-1,217	-2.0%
24.7%	58,544	54,416	-4,129	-7.1%
25.9%	54,944	52,606	-2,338	-4.3%
27.2%	49,063	46,051	-3,012	-6.1%
28.4%	47,274	44,630	-2,643	-5.6%
29.6%	46,510	42,751	-3,760	-8.1%
30.9%	44,524	39,299	-5,225	-11.7%
32.1%	41,444	38,055	-3,389	-8.2%
33.3%	41,384	36,207	-5,177	-12.5%
34.6%	38,442	36,054	-2,388	-6.2%
35.8%	37,026	34,568	-2,458	-6.6%
37.0%	36,041	33,460	-2,580	-7.2%
38.3%	34,605	33,446	-1,159	-3.3%
39.5%	33,983	33,126	-857	-2.5%
40.7%	33,541	29,613	-3,929	-11.7%
42.0%	31,367	29,350	-2,017	-6.4%
43.2%	29,997	28,896	-1,101	-3.7%
44.4%	29,079	25,848	-3,231	-11.1%
45.7%	28,118	25,117	-3,000	-10.7%
46.9%	27,508	24,493	-3,015	-11.0%
48.1%	27,115	24,251	-2,864	-10.6%
49.4%	26,956	23,994	-2,962	-11.0%
50.6%	26,039	22,528	-3,511	-13.5%
51.9%	23,804	21,229	-2,575	-10.8%
53.1%	23,722	20,919	-2,803	-11.8%
54.3%	23,570	20,147	-3,423	-14.5%
55.6%	23,125	19,268	-3,858	-16.7%
56.8%	22,712	18,998	-3,714	-16.4%
58.0%	22,469	18,817	-3,652	-16.3%
59.3%	21,410	17,626	-3,783	-17.7%
60.5%	20,045	17,230	-2,815	-14.0%
61.7%	19,822	16,507	-3,315	-16.7%
63.0%	19,164	16,080	-3,084	-16.1%
64.2%	18,519	15,959	-2,561	-13.8%
65.4%	18,219	15,352	-2,867	-15.7%
66.7%	17,749	15,070	-2,679	-15.1%
67.9%	17,698	14,659	-3,040	-17.2%
69.1%	17,148	14,370	-2,778	-16.2%
70.4%	17,124	13,737	-3,386	-19.8%
71.6%	16,796	13,371	-3,425	-20.4%
72.8%	16,244	13,215	-3,030	-18.7%
74.1%	14,759	13,073	-1,686	-11.4%
75.3%	13,923	13,037	-886	-6.4%
76.5%	13,495	12,516	-979	-7.3%
77.8%	13,051	12,162	-889	-6.8%
79.0%	12,881	12,057	-824	-6.4%
80.2%	12,758	11,466	-1,292	-10.1%
81.5%	11,533	11,400	-133	-1.2%
82.7%	11,482	11,131	-350	-3.1%
84.0%	11,432	11,045	-388	-3.4%
85.2%	10,987	11,036	49	0.4%
86.4%	10,925	10,302	-622	-5.7%
87.7%	10,625	10,265	-360	-3.4%
88.9%	9,740	9,729	-11	-0.1%
90.1%	9,347	9,202	-145	-1.6%
91.4%	9,129	9,077	-52	-0.6%
92.6%	9,013	9,013	0	0.0%
93.8%	7,911	8,538	627	7.9%
95.1%	7,704	8,031	327	4.2%
96.3%	7,684	7,747	63	0.8%
97.5%	7,581	7,504	-78	-1.0%
98.8%	7,239	7,487	248	3.4%
100.0%	6,088	7,239	1,150	18.9%

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative B Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	139,382	135,841	-3,541	-2.5%
1.2%	103,201	103,165	-35	0.0%
2.5%	96,762	93,234	-3,528	-3.6%
3.7%	87,679	87,602	-77	-0.1%
4.9%	77,856	74,828	-3,028	-3.9%
6.2%	77,480	73,852	-3,628	-4.7%
7.4%	74,402	71,661	-2,740	-3.7%
8.6%	71,387	68,747	-2,640	-3.7%
9.9%	68,743	68,533	-209	-0.3%
11.1%	68,129	65,377	-2,752	-4.0%
12.3%	63,524	63,118	-406	-0.6%
13.6%	59,927	57,465	-2,462	-4.1%
14.8%	57,577	54,722	-2,855	-5.0%
16.0%	54,611	54,211	-399	-0.7%
17.3%	54,473	51,023	-3,450	-6.3%
18.5%	52,436	50,579	-1,857	-3.5%
19.8%	49,554	46,353	-3,201	-6.5%
21.0%	47,592	44,409	-3,183	-6.7%
22.2%	45,501	43,239	-2,263	-5.0%
23.5%	43,208	43,225	17	0.0%
24.7%	39,179	36,586	-2,593	-6.6%
25.9%	33,186	33,120	-66	-0.2%
27.2%	30,246	30,292	46	0.2%
28.4%	28,791	28,682	-109	-0.4%
29.6%	28,733	28,645	-88	-0.3%
30.9%	28,422	27,050	-1,373	-4.8%
32.1%	28,088	26,717	-1,371	-4.9%
33.3%	28,054	26,610	-1,444	-5.1%
34.6%	27,807	26,440	-1,367	-4.9%
35.8%	27,521	26,026	-1,496	-5.4%
37.0%	27,205	25,987	-1,218	-4.5%
38.3%	26,858	25,513	-1,345	-5.0%
39.5%	26,826	24,973	-1,853	-6.9%
40.7%	26,622	24,449	-2,172	-8.2%
42.0%	26,011	24,276	-1,735	-6.7%
43.2%	22,930	22,069	-862	-3.8%
44.4%	22,122	21,803	-319	-1.4%
45.7%	21,737	21,545	-192	-0.9%
46.9%	21,263	21,257	-6	0.0%
48.1%	20,047	19,644	-403	-2.0%
49.4%	19,794	19,542	-251	-1.3%
50.6%	18,510	18,513	3	0.0%
51.9%	18,416	18,447	31	0.2%
53.1%	17,733	17,818	85	0.5%
54.3%	17,712	17,714	2	0.0%
55.6%	17,311	17,330	19	0.1%
56.8%	17,004	17,006	2	0.0%
58.0%	15,941	15,921	-19	-0.1%
59.3%	15,817	15,864	47	0.3%
60.5%	14,448	14,442	-6	0.0%
61.7%	14,341	14,245	-97	-0.7%
63.0%	14,249	14,167	-81	-0.6%
64.2%	14,048	14,156	109	0.8%
65.4%	13,568	13,584	16	0.1%
66.7%	13,081	13,569	488	3.7%
67.9%	13,024	13,051	27	0.2%
69.1%	12,406	12,905	499	4.0%
70.4%	12,305	12,568	264	2.1%
71.6%	12,130	12,294	164	1.3%
72.8%	12,125	12,108	-17	-0.1%
74.1%	12,080	11,816	-264	-2.2%
75.3%	11,789	11,520	-270	-2.3%
76.5%	11,332	11,212	-120	-1.1%
77.8%	11,153	11,153	0	0.0%
79.0%	11,056	10,662	-394	-3.6%
80.2%	10,446	10,568	122	1.2%
81.5%	10,437	10,459	23	0.2%
82.7%	10,069	10,357	288	2.9%
84.0%	10,043	10,278	235	2.3%
85.2%	9,844	10,124	280	2.8%
86.4%	9,770	9,673	-97	-1.0%
87.7%	9,673	9,673	0	0.0%
88.9%	9,673	9,673	0	0.0%
90.1%	9,660	9,427	-233	-2.4%
91.4%	9,319	9,375	56	0.6%
92.6%	9,123	8,869	-254	-2.8%
93.8%	8,860	8,800	-60	-0.7%
95.1%	8,657	7,988	-669	-7.7%
96.3%	7,817	7,817	0	0.0%
97.5%	7,740	7,735	-5	-0.1%
98.8%	7,100	7,100	0	0.0%
100.0%	6,087	5,726	-361	-5.9%

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative B Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,962	81,046	-2,916	-3.5%
1.2%	76,777	76,617	-161	-0.2%
2.5%	74,598	72,355	-2,243	-3.0%
3.7%	66,906	66,364	-542	-0.8%
4.9%	61,505	61,224	-281	-0.5%
6.2%	59,846	59,658	-187	-0.3%
7.4%	56,600	55,780	-820	-1.4%
8.6%	55,971	55,523	-447	-0.8%
9.9%	53,804	53,712	-92	-0.2%
11.1%	49,128	48,703	-425	-0.9%
12.3%	47,312	47,566	254	0.5%
13.6%	46,897	44,413	-2,484	-5.3%
14.8%	44,439	42,415	-2,024	-4.6%
16.0%	40,615	40,259	-356	-0.9%
17.3%	40,336	39,219	-1,117	-2.8%
18.5%	31,436	31,425	-11	0.0%
19.8%	29,998	29,474	-525	-1.7%
21.0%	29,777	28,468	-1,308	-4.4%
22.2%	29,545	26,059	-3,487	-11.8%
23.5%	27,023	25,277	-1,746	-6.5%
24.7%	26,216	25,171	-1,044	-4.0%
25.9%	25,290	24,446	-844	-3.3%
27.2%	24,736	23,952	-784	-3.2%
28.4%	23,947	22,466	-1,481	-6.2%
29.6%	21,614	21,536	-79	-0.4%
30.9%	21,602	21,018	-584	-2.7%
32.1%	20,427	20,257	-170	-0.8%
33.3%	20,245	20,245	-1	0.0%
34.6%	20,149	19,870	-279	-1.4%
35.8%	19,872	19,810	-63	-0.3%
37.0%	19,573	19,575	1	0.0%
38.3%	19,323	19,230	-94	-0.5%
39.5%	18,729	18,731	2	0.0%
40.7%	18,326	18,287	-39	-0.2%
42.0%	18,203	18,171	-32	-0.2%
43.2%	18,181	18,134	-47	-0.3%
44.4%	18,168	17,982	-186	-1.0%
45.7%	17,982	16,956	-1,026	-5.7%
46.9%	17,144	16,644	-500	-2.9%
48.1%	16,950	16,503	-447	-2.6%
49.4%	15,986	15,993	7	0.0%
50.6%	15,655	15,659	4	0.0%
51.9%	14,857	14,835	-22	-0.1%
53.1%	13,970	13,972	2	0.0%
54.3%	13,418	13,424	6	0.0%
55.6%	13,276	13,167	-109	-0.8%
56.8%	12,662	12,940	277	2.2%
58.0%	12,325	12,257	-68	-0.5%
59.3%	11,937	12,217	281	2.4%
60.5%	11,863	11,864	1	0.0%
61.7%	11,241	11,730	489	4.4%
63.0%	10,926	11,217	291	2.7%
64.2%	10,874	11,064	189	1.7%
65.4%	10,861	10,905	44	0.4%
66.7%	10,452	10,865	414	4.0%
67.9%	10,220	10,448	227	2.2%
69.1%	10,054	10,296	242	2.4%
70.4%	9,987	10,198	211	2.1%
71.6%	9,905	10,005	100	1.0%
72.8%	9,722	9,779	58	0.6%
74.1%	9,590	9,702	112	1.2%
75.3%	9,412	9,578	166	1.8%
76.5%	9,092	9,413	321	3.5%
77.8%	9,007	9,319	312	3.5%
79.0%	8,735	9,013	278	3.2%
80.2%	8,476	8,869	393	4.6%
81.5%	8,159	8,500	341	4.2%
82.7%	8,034	8,476	442	5.5%
84.0%	7,936	7,935	-1	0.0%
85.2%	7,820	7,833	13	0.2%
86.4%	7,683	7,643	-40	-0.5%
87.7%	7,656	7,314	-341	-4.5%
88.9%	7,100	7,100	0	0.0%
90.1%	7,100	7,100	0	0.0%
91.4%	6,875	6,850	-25	-0.4%
92.6%	6,740	6,563	-177	-2.6%
93.8%	6,144	6,144	0	0.0%
95.1%	5,036	5,057	20	0.4%
96.3%	4,466	4,299	-167	-3.7%
97.5%	4,188	4,000	-188	-4.5%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-5b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	73,319	73,056	-263	-0.4%
1.2%	70,117	69,822	-295	-0.4%
2.5%	41,798	42,597	799	1.9%
3.7%	40,147	41,301	1,154	2.9%
4.9%	39,141	39,628	487	1.2%
6.2%	37,252	39,471	2,218	6.0%
7.4%	37,069	37,537	467	1.3%
8.6%	34,636	34,967	331	1.0%
9.9%	29,942	30,955	1,013	3.4%
11.1%	22,442	23,750	1,307	5.8%
12.3%	22,428	21,114	-1,314	-5.9%
13.6%	20,382	20,991	609	3.0%
14.8%	20,208	20,897	689	3.4%
16.0%	19,846	20,879	1,032	5.2%
17.3%	17,908	18,531	623	3.5%
18.5%	15,120	16,500	1,380	9.1%
19.8%	14,508	15,617	1,109	7.6%
21.0%	14,242	15,297	1,056	7.4%
22.2%	12,985	13,450	465	3.6%
23.5%	12,688	13,254	567	4.5%
24.7%	12,342	13,183	840	6.8%
25.9%	11,382	12,500	1,118	9.8%
27.2%	10,931	11,666	735	6.7%
28.4%	10,761	11,459	698	6.5%
29.6%	10,707	11,219	512	4.8%
30.9%	10,633	10,706	73	0.7%
32.1%	9,892	10,281	389	3.9%
33.3%	9,550	10,246	695	7.3%
34.6%	9,229	10,154	925	10.0%
35.8%	9,030	10,042	1,013	11.2%
37.0%	8,883	10,019	1,136	12.8%
38.3%	8,740	9,240	500	5.7%
39.5%	8,709	9,232	524	6.0%
40.7%	8,230	8,997	767	9.3%
42.0%	8,211	8,679	468	5.7%
43.2%	8,056	8,557	501	6.2%
44.4%	7,901	8,390	488	6.2%
45.7%	7,762	8,211	449	5.8%
46.9%	7,700	8,200	500	6.5%
48.1%	7,498	8,180	682	9.1%
49.4%	7,486	8,067	581	7.8%
50.6%	7,243	7,989	746	10.3%
51.9%	7,243	7,893	650	9.0%
53.1%	7,220	7,813	592	8.2%
54.3%	7,206	7,743	537	7.5%
55.6%	7,199	7,666	467	6.5%
56.8%	7,122	7,648	525	7.4%
58.0%	7,100	7,600	500	7.0%
59.3%	7,100	7,600	500	7.0%
60.5%	7,100	7,600	500	7.0%
61.7%	7,100	7,563	463	6.5%
63.0%	7,100	7,526	426	6.0%
64.2%	7,100	7,508	408	5.8%
65.4%	7,100	7,433	333	4.7%
66.7%	7,100	7,433	333	4.7%
67.9%	7,100	7,433	333	4.7%
69.1%	7,026	7,433	408	5.8%
70.4%	7,026	7,433	408	5.8%
71.6%	6,925	7,425	500	7.2%
72.8%	6,869	7,379	510	7.4%
74.1%	6,753	7,375	622	9.2%
75.3%	6,739	7,243	504	7.5%
76.5%	6,563	7,100	537	8.2%
77.8%	6,563	7,100	537	8.2%
79.0%	6,478	7,047	569	8.8%
80.2%	6,422	6,922	500	7.8%
81.5%	6,375	6,897	522	8.2%
82.7%	6,320	6,864	544	8.6%
84.0%	6,246	6,748	503	8.0%
85.2%	6,166	6,620	454	7.4%
86.4%	6,094	6,195	101	1.7%
87.7%	5,713	5,910	197	3.4%
88.9%	5,556	5,654	98	1.8%
90.1%	5,469	5,625	156	2.9%
91.4%	5,213	5,516	302	5.8%
92.6%	4,032	5,156	1,124	27.9%
93.8%	4,000	4,833	833	20.8%
95.1%	4,000	4,333	333	8.3%
96.3%	4,000	4,333	333	8.3%
97.5%	4,000	4,002	2	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	34,870	34,671	-199	-0.6%
1.2%	27,872	27,687	-186	-0.7%
2.5%	20,838	20,440	-398	-1.9%
3.7%	13,925	16,314	2,389	17.2%
4.9%	11,907	12,767	860	7.2%
6.2%	11,823	12,675	852	7.2%
7.4%	11,209	12,637	1,428	12.7%
8.6%	11,163	12,567	1,405	12.6%
9.9%	11,143	12,426	1,284	11.5%
11.1%	10,998	12,370	1,372	12.5%
12.3%	10,897	12,346	1,449	13.3%
13.6%	10,789	12,200	1,411	13.1%
14.8%	10,715	12,141	1,426	13.3%
16.0%	10,700	12,049	1,350	12.6%
17.3%	10,545	12,045	1,500	14.2%
18.5%	10,528	11,980	1,451	13.8%
19.8%	9,455	10,780	1,325	14.0%
21.0%	8,989	10,388	1,399	15.6%
22.2%	8,924	10,379	1,456	16.3%
23.5%	8,878	10,363	1,485	16.7%
24.7%	8,868	10,280	1,412	15.9%
25.9%	8,815	9,963	1,148	13.0%
27.2%	8,806	9,686	880	10.0%
28.4%	8,794	9,527	733	8.3%
29.6%	8,367	9,500	1,133	13.5%
30.9%	8,355	9,500	1,145	13.7%
32.1%	8,000	9,500	1,500	18.7%
33.3%	8,000	9,500	1,500	18.7%
34.6%	8,000	9,500	1,500	18.7%
35.8%	8,000	9,500	1,500	18.7%
37.0%	8,000	9,500	1,500	18.7%
38.3%	8,000	9,500	1,500	18.7%
39.5%	8,000	9,500	1,500	18.7%
40.7%	8,000	9,500	1,500	18.7%
42.0%	8,000	9,500	1,500	18.8%
43.2%	8,000	9,500	1,500	18.8%
44.4%	8,000	9,500	1,500	18.8%
45.7%	8,000	9,500	1,500	18.8%
46.9%	8,000	9,010	1,010	12.6%
48.1%	8,000	9,000	1,000	12.5%
49.4%	8,000	9,000	1,000	12.5%
50.6%	8,000	8,100	100	1.3%
51.9%	8,000	8,047	47	0.6%
53.1%	7,219	8,031	812	11.2%
54.3%	7,014	8,000	986	14.1%
55.6%	6,684	8,000	1,316	19.7%
56.8%	6,539	8,000	1,461	22.4%
58.0%	6,500	7,894	1,394	21.5%
59.3%	6,500	7,500	1,000	15.4%
60.5%	6,500	7,500	1,000	15.4%
61.7%	6,500	7,392	892	13.7%
63.0%	6,500	7,294	794	12.2%
64.2%	5,817	6,960	1,143	19.6%
65.4%	5,676	6,849	1,173	20.7%
66.7%	5,658	6,638	980	17.3%
67.9%	5,557	6,508	952	17.1%
69.1%	5,455	6,500	1,045	19.2%
70.4%	5,317	6,500	1,183	22.2%
71.6%	5,265	6,500	1,235	23.5%
72.8%	5,123	6,500	1,377	26.9%
74.1%	5,119	6,384	1,265	24.7%
75.3%	5,085	6,165	1,080	21.2%
76.5%	5,000	6,006	1,006	20.1%
77.8%	5,000	6,000	1,000	20.0%
79.0%	5,000	6,000	1,000	20.0%
80.2%	5,000	6,000	1,000	20.0%
81.5%	5,000	6,000	1,000	20.0%
82.7%	5,000	5,809	809	16.2%
84.0%	5,000	5,512	512	10.2%
85.2%	5,000	5,500	500	10.0%
86.4%	5,000	5,428	428	8.6%
87.7%	4,937	5,408	471	9.5%
88.9%	4,874	5,079	205	4.2%
90.1%	4,803	5,000	197	4.1%
91.4%	4,098	4,473	375	9.1%
92.6%	4,000	4,388	388	9.7%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	14,661	17,188	2,527	17.2%
1.2%	11,565	14,218	2,654	22.9%
2.5%	8,056	6,843	-1,213	-15.1%
3.7%	6,285	6,648	363	5.8%
4.9%	6,041	6,485	444	7.3%
6.2%	5,810	6,349	540	9.3%
7.4%	5,558	6,315	757	13.6%
8.6%	5,451	6,213	762	14.0%
9.9%	5,388	6,149	761	14.1%
11.1%	5,178	6,143	964	18.6%
12.3%	5,083	6,007	924	18.2%
13.6%	5,025	5,972	947	18.9%
14.8%	5,014	5,832	818	16.3%
16.0%	4,941	5,819	879	17.8%
17.3%	4,892	5,741	849	17.4%
18.5%	4,885	5,672	787	16.1%
19.8%	4,878	5,628	750	15.4%
21.0%	4,833	5,625	792	16.4%
22.2%	4,816	5,617	801	16.6%
23.5%	4,761	5,609	848	17.8%
24.7%	4,757	5,500	743	15.6%
25.9%	4,700	5,500	800	17.0%
27.2%	4,699	5,500	801	17.0%
28.4%	4,696	5,500	804	17.1%
29.6%	4,567	5,500	933	20.4%
30.9%	4,556	5,500	944	20.7%
32.1%	4,534	5,500	966	21.3%
33.3%	4,490	5,500	1,010	22.5%
34.6%	4,355	5,500	1,145	26.3%
35.8%	4,275	5,500	1,225	28.6%
37.0%	4,190	5,400	1,210	28.9%
38.3%	4,166	5,388	1,222	29.3%
39.5%	4,161	5,189	1,028	24.7%
40.7%	4,089	5,021	932	22.8%
42.0%	4,073	5,000	927	22.8%
43.2%	4,036	5,000	964	23.9%
44.4%	4,029	5,000	971	24.1%
45.7%	4,011	4,990	979	24.4%
46.9%	4,000	4,803	803	20.1%
48.1%	4,000	4,770	770	19.3%
49.4%	4,000	4,596	596	14.9%
50.6%	4,000	4,589	589	14.7%
51.9%	4,000	4,322	322	8.1%
53.1%	4,000	4,301	301	7.5%
54.3%	4,000	4,112	112	2.8%
55.6%	4,000	4,093	93	2.3%
56.8%	4,000	4,081	81	2.0%
58.0%	4,000	4,070	70	1.7%
59.3%	4,000	4,046	46	1.2%
60.5%	4,000	4,027	27	0.7%
61.7%	4,000	4,015	15	0.4%
63.0%	4,000	4,000	0	0.0%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	3,999	-1	0.0%
96.3%	4,000	3,674	-326	-8.1%
97.5%	4,000	3,601	-399	-10.0%
98.8%	4,000	3,536	-464	-11.6%
100.0%	3,138	3,500	362	11.5%

September				
Percent Exceedance Probability (%)	No Action Alternative	Alternative B	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	22,589	22,031	-558	-2.5%
1.2%	22,031	21,406	-625	-2.8%
2.5%	21,250	21,250	0	0.0%
3.7%	21,094	20,938	-156	-0.7%
4.9%	20,938	20,938	0	0.0%
6.2%	20,938	20,781	-156	-0.7%
7.4%	20,625	20,625	0	0.0%
8.6%	20,469	20,313	-156	-0.8%
9.9%	20,156	20,313	156	0.8%
11.1%	20,000	20,156	156	0.8%
12.3%	19,844	20,000	156	0.8%
13.6%	19,688	20,000	313	1.6%
14.8%	19,688	19,688	0	0.0%
16.0%	19,375	19,688	313	1.6%
17.3%	19,375	19,688	313	1.6%
18.5%	19,375	19,457	82	0.4%
19.8%	19,375	19,375	0	0.0%
21.0%	19,063	19,375	313	1.6%
22.2%	19,063	19,063	0	0.0%
23.5%	19,063	19,063	0	0.0%
24.7%	18,901	18,594	-308	-1.6%
25.9%	18,750	18,438	-313	-1.7%
27.2%	18,594	18,438	-156	-0.8%
28.4%	18,438	18,125	-313	-1.7%
29.6%	18,438	16,250	-2,188	-11.9%
30.9%	14,688	15,744	1,056	7.2%
32.1%	13,750	13,594	-156	-1.1%
33.3%	12,188	12,188	0	0.0%
34.6%	11,719	11,875	156	1.3%
35.8%	11,719	11,563	-156	-1.3%
37.0%	11,563	11,563	0	0.0%
38.3%	11,563	11,563	0	0.0%
39.5%	11,563	11,563	0	0.0%
40.7%	11,563	11,406	-156	-1.4%
42.0%	11,406	11,406	0	0.0%
43.2%	11,406	11,406	0	0.0%
44.4%	11,406	11,250	-156	-1.4%
45.7%	10,938	10,781	-156	-1.4%
46.9%	4,056	5,557	1,500	37.0%
48.1%	3,981	5,364	1,383	34.7%
49.4%	3,889	5,363	1,474	37.9%
50.6%	3,631	4,943	1,312	36.1%
51.9%	3,560	4,872	1,312	36.8%
53.1%	3,515	4,707	1,192	33.9%
54.3%	3,500	4,587	1,087	31.1%
55.6%	3,460	4,210	750	21.7%
56.8%	3,438	4,167	729	21.2%
58.0%	3,348	4,140	792	23.7%
59.3%	3,278	4,127	849	25.9%
60.5%	3,228	4,110	881	27.3%
61.7%	3,146	4,096	950	30.2%
63.0%	3,096	4,087	992	32.0%
64.2%	3,090	4,000	910	29.5%
65.4%	3,087	3,874	786	25.5%
66.7%	3,087	3,722	634	20.5%
67.9%	3,087	3,699	612	19.8%
69.1%	3,087	3,678	591	19.1%
70.4%	3,087	3,623	535	17.3%
71.6%	3,087	3,563	475	15.4%
72.8%	3,075	3,542	467	15.2%
74.1%	3,000	3,463	463	15.4%
75.3%	3,000	3,455	455	15.2%
76.5%	3,000	3,409	409	13.6%
77.8%	3,000	3,158	158	5.3%
79.0%	3,000	3,126	126	4.2%
80.2%	3,000	3,112	112	3.7%
81.5%	3,000	3,097	97	3.2%
82.7%	3,000	3,095	95	3.2%
84.0%	3,000	3,087	87	2.9%
85.2%	3,000	3,087	87	2.9%
86.4%	3,000	3,000	0	0.0%
87.7%	3,000	3,000	0	0.0%
88.9%	3,000	3,000	0	0.0%
90.1%	3,000	3,000	0	0.0%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-34-5a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	4,708	4,028	4,507	5,014	5,702	5,143	3,909	3,347	5,679	7,772	6,490	5,711
Alternative B	4,546	3,999	4,544	4,942	5,618	4,924	3,835	3,314	5,745	7,290	6,729	5,940
Difference	-162	-28	37	-72	-84	-219	-74	-33	66	-483	239	230
Percent Difference[3]	-3.4%	-0.7%	0.8%	-1.4%	-1.5%	-4.3%	-1.9%	-1.0%	1.2%	-6.2%	3.7%	4.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	4,734	4,204	4,923	7,555	8,380	7,401	5,875	5,047	6,554	7,922	6,759	5,434
Alternative B	4,238	4,026	4,876	7,499	8,294	7,232	5,756	4,979	6,362	7,208	6,816	5,347
Difference	-496	-178	-46	-56	-86	-170	-119	-67	-192	-715	56	-87
Percent Difference	-10.5%	-4.2%	-0.9%	-0.7%	-1.0%	-2.3%	-2.0%	-1.3%	-2.9%	-9.0%	0.8%	-1.6%
Above Normal (15%)												
No Action Alternative	5,081	4,373	4,548	5,929	6,776	6,663	4,281	3,580	5,499	8,492	6,908	8,115
Alternative B	4,869	3,932	4,550	5,778	6,631	6,391	4,162	3,496	6,039	6,710	7,030	8,413
Difference	-212	-441	2	-151	-145	-272	-119	-84	540	-1,781	122	298
Percent Difference	-4.2%	-10.1%	0.0%	-2.5%	-2.1%	-4.1%	-2.8%	-2.3%	9.8%	-21.0%	1.8%	3.7%
Below Normal (17%)												
No Action Alternative	4,988	4,301	5,024	3,875	4,930	3,917	3,142	2,674	5,592	8,311	6,690	5,654
Alternative B	5,060	4,416	5,150	3,733	4,888	3,562	3,090	2,651	5,720	7,807	6,827	5,968
Difference	72	115	126	-142	-42	-355	-52	-22	128	-503	137	314
Percent Difference	1.4%	2.7%	2.5%	-3.7%	-0.8%	-9.1%	-1.7%	-0.8%	2.3%	-6.1%	2.1%	5.6%
Dry (22%)												
No Action Alternative	4,541	3,747	4,345	3,130	3,655	3,540	2,570	2,259	5,293	7,668	6,693	5,361
Alternative B	4,630	4,048	4,423	3,097	3,562	3,265	2,513	2,268	5,317	7,980	7,162	5,822
Difference	89	301	78	-33	-93	-275	-58	9	24	312	470	461
Percent Difference	2.0%	8.0%	1.8%	-1.1%	-2.5%	-7.8%	-2.2%	0.4%	0.5%	4.1%	7.0%	8.6%
Critical (15%)												
No Action Alternative	4,205	3,402	3,206	2,746	2,797	2,566	2,183	1,850	4,641	6,257	4,952	4,497
Alternative B	4,166	3,450	3,292	2,742	2,741	2,539	2,200	1,864	4,782	6,407	5,475	4,899
Difference	-39	48	85	-4	-56	-28	17	14	141	150	524	402
Percent Difference	-0.9%	1.4%	2.7%	-0.2%	-2.0%	-1.1%	0.8%	0.7%	3.0%	2.4%	10.6%	8.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-34-5b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

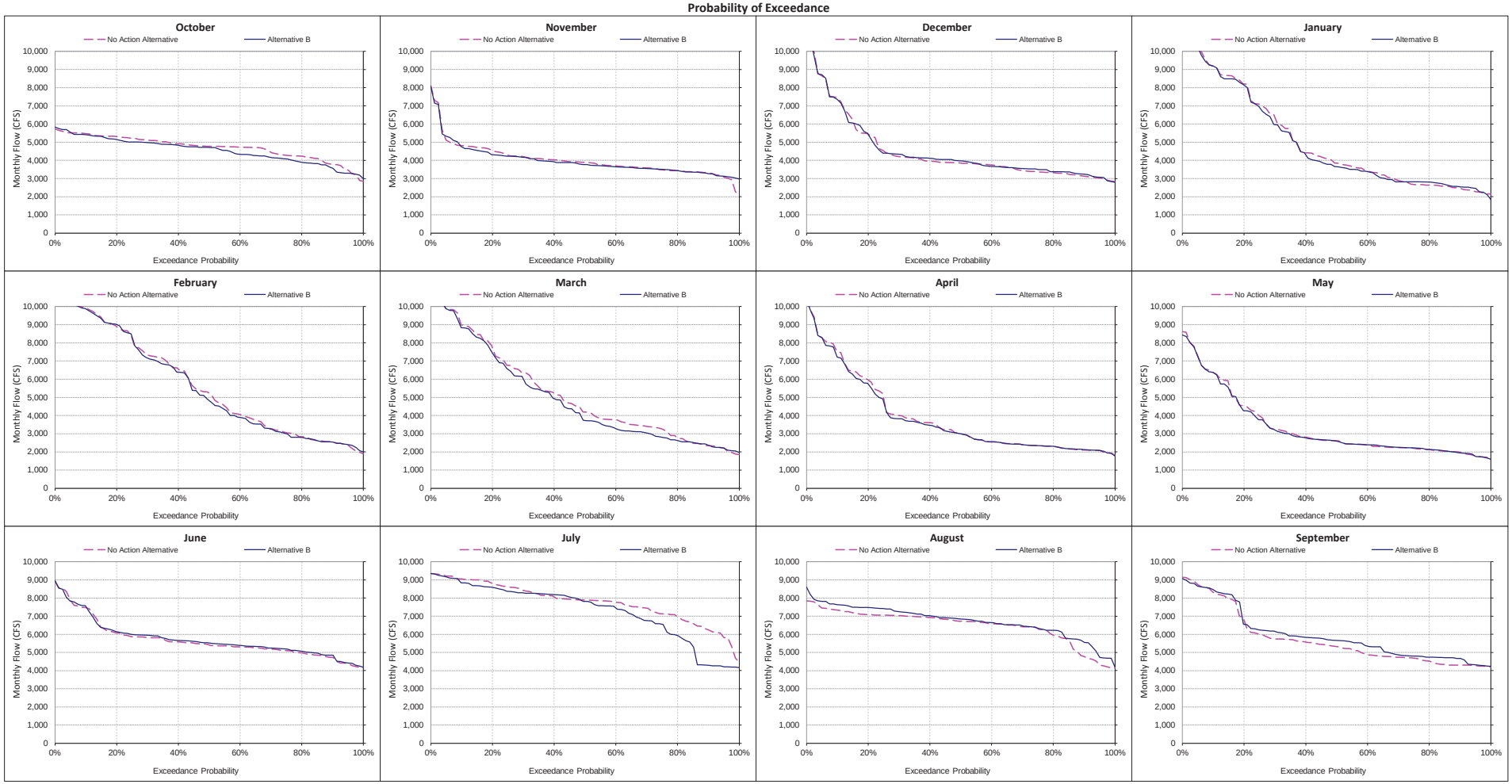

Table SW-34-5b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,730	5,838	107	1.9%
1.2%	5,653	5,750	96	1.7%
2.5%	5,594	5,694	100	1.8%
3.7%	5,523	5,691	168	3.0%
4.9%	5,518	5,555	37	0.7%
6.2%	5,514	5,432	-82	-1.5%
7.4%	5,513	5,432	-81	-1.5%
8.6%	5,506	5,425	-81	-1.5%
9.9%	5,473	5,422	-51	-0.9%
11.1%	5,452	5,384	-68	-1.2%
12.3%	5,377	5,346	-31	-0.6%
13.6%	5,365	5,336	-29	-0.5%
14.8%	5,346	5,328	-18	-0.3%
16.0%	5,336	5,263	-73	-1.4%
17.3%	5,332	5,196	-136	-2.6%
18.5%	5,326	5,175	-151	-2.8%
19.8%	5,325	5,149	-177	-3.3%
21.0%	5,273	5,112	-161	-3.1%
22.2%	5,263	5,071	-192	-3.6%
23.5%	5,246	5,019	-227	-4.3%
24.7%	5,223	5,019	-204	-3.9%
25.9%	5,218	5,019	-199	-3.8%
27.2%	5,150	5,011	-139	-2.7%
28.4%	5,137	5,002	-136	-2.6%
29.6%	5,135	4,980	-155	-3.0%
30.9%	5,097	4,976	-121	-2.4%
32.1%	5,093	4,951	-143	-2.8%
33.3%	5,078	4,923	-155	-3.0%
34.6%	5,027	4,886	-141	-2.8%
35.8%	5,027	4,882	-145	-2.9%
37.0%	4,990	4,874	-116	-2.3%
38.3%	4,914	4,864	-50	-1.0%
39.5%	4,911	4,842	-69	-1.4%
40.7%	4,910	4,822	-88	-1.8%
42.0%	4,881	4,763	-118	-2.4%
43.2%	4,855	4,750	-105	-2.2%
44.4%	4,827	4,747	-80	-1.7%
45.7%	4,822	4,741	-80	-1.7%
46.9%	4,782	4,722	-60	-1.3%
48.1%	4,781	4,714	-68	-1.4%
49.4%	4,778	4,712	-65	-1.4%
50.6%	4,776	4,710	-65	-1.4%
51.9%	4,770	4,704	-66	-1.4%
53.1%	4,768	4,615	-153	-3.2%
54.3%	4,766	4,552	-214	-4.5%
55.6%	4,759	4,549	-211	-4.4%
56.8%	4,747	4,495	-252	-5.3%
58.0%	4,747	4,393	-354	-7.5%
59.3%	4,737	4,343	-394	-8.3%
60.5%	4,732	4,332	-400	-8.4%
61.7%	4,722	4,327	-395	-8.4%
63.0%	4,720	4,321	-399	-8.5%
64.2%	4,710	4,277	-434	-9.2%
65.4%	4,704	4,253	-451	-9.6%
66.7%	4,692	4,244	-448	-9.5%
67.9%	4,629	4,241	-389	-8.4%
69.1%	4,522	4,194	-328	-7.3%
70.4%	4,410	4,146	-264	-6.0%
71.6%	4,370	4,126	-243	-5.6%
72.8%	4,307	4,125	-182	-4.2%
74.1%	4,298	4,087	-210	-4.9%
75.3%	4,270	4,080	-190	-4.5%
76.5%	4,253	4,022	-231	-5.4%
77.8%	4,246	3,979	-267	-6.3%
79.0%	4,242	3,919	-324	-7.6%
80.2%	4,225	3,885	-340	-8.0%
81.5%	4,179	3,864	-315	-7.5%
82.7%	4,165	3,855	-310	-7.5%
84.0%	4,117	3,830	-287	-7.0%
85.2%	4,111	3,827	-284	-6.9%
86.4%	3,997	3,761	-236	-5.9%
87.7%	3,847	3,757	-90	-2.3%
88.9%	3,808	3,648	-160	-4.2%
90.1%	3,766	3,559	-207	-5.5%
91.4%	3,763	3,351	-412	-11.0%
92.6%	3,720	3,328	-392	-10.5%
93.8%	3,512	3,292	-220	-6.3%
95.1%	3,457	3,292	-165	-4.8%
96.3%	3,270	3,287	17	0.5%
97.5%	3,211	3,246	35	1.1%
98.8%	2,892	3,183	291	10.1%
100.0%	2,845	2,982	136	4.8%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,113	8,088	-24	-0.3%
1.2%	7,297	7,144	-153	-2.1%
2.5%	7,176	7,077	-99	-1.4%
3.7%	5,663	5,455	-208	-3.7%
4.9%	5,126	5,330	204	4.0%
6.2%	4,997	5,269	272	5.4%
7.4%	4,927	5,096	170	3.4%
8.6%	4,829	5,022	193	4.0%
9.9%	4,818	4,759	-58	-1.2%
11.1%	4,804	4,655	-148	-3.1%
12.3%	4,779	4,652	-127	-2.6%
13.6%	4,756	4,613	-142	-3.0%
14.8%	4,724	4,554	-170	-3.6%
16.0%	4,697	4,512	-186	-3.9%
17.3%	4,692	4,495	-197	-4.2%
18.5%	4,650	4,460	-191	-4.1%
19.8%	4,569	4,317	-251	-5.5%
21.0%	4,483	4,299	-184	-4.1%
22.2%	4,458	4,287	-172	-3.9%
23.5%	4,400	4,260	-140	-3.2%
24.7%	4,302	4,230	-72	-1.7%
25.9%	4,249	4,225	-24	-0.6%
27.2%	4,240	4,220	-20	-0.5%
28.4%	4,226	4,208	-18	-0.4%
29.6%	4,213	4,168	-45	-1.1%
30.9%	4,171	4,160	-11	-0.3%
32.1%	4,135	4,092	-43	-1.0%
33.3%	4,098	4,090	-9	-0.2%
34.6%	4,097	3,998	-99	-2.4%
35.8%	4,096	3,978	-118	-2.9%
37.0%	4,059	3,969	-90	-2.2%
38.3%	4,054	3,954	-100	-2.5%
39.5%	4,039	3,934	-104	-2.6%
40.7%	4,018	3,887	-130	-3.2%
42.0%	3,991	3,886	-106	-2.7%
43.2%	3,972	3,885	-87	-2.2%
44.4%	3,937	3,884	-53	-1.3%
45.7%	3,924	3,880	-44	-1.1%
46.9%	3,918	3,848	-70	-1.8%
48.1%	3,912	3,795	-117	-3.0%
49.4%	3,901	3,774	-127	-3.3%
50.6%	3,895	3,772	-123	-3.2%
51.9%	3,871	3,733	-138	-3.6%
53.1%	3,834	3,720	-115	-3.0%
54.3%	3,752	3,716	-36	-1.0%
55.6%	3,752	3,699	-53	-1.4%
56.8%	3,730	3,683	-47	-1.3%
58.0%	3,719	3,669	-50	-1.3%
59.3%	3,709	3,657	-52	-1.4%
60.5%	3,683	3,642	-41	-1.1%
61.7%	3,672	3,634	-38	-1.0%
63.0%	3,650	3,623	-27	-0.7%
64.2%	3,643	3,622	-21	-0.6%
65.4%	3,642	3,596	-46	-1.3%
66.7%	3,620	3,580	-41	-1.1%
67.9%	3,616	3,556	-60	-1.7%
69.1%	3,591	3,555	-36	-1.0%
70.4%	3,590	3,552	-38	-1.1%
71.6%	3,579	3,537	-42	-1.2%
72.8%	3,540	3,526	-14	-0.4%
74.1%	3,492	3,515	23	0.7%
75.3%	3,475	3,500	25	0.7%
76.5%	3,445	3,497	51	1.5%
77.8%	3,438	3,479	41	1.2%
79.0%	3,432	3,454	22	0.7%
80.2%	3,430	3,437	7	0.2%
81.5%	3,416	3,397	-19	-0.5%
82.7%	3,382	3,361	-21	-0.6%
84.0%	3,376	3,359	-17	-0.5%
85.2%	3,367	3,355	-12	-0.4%
86.4%	3,359	3,355	-4	-0.1%
87.7%	3,354	3,323	-31	-0.9%
88.9%	3,316	3,313	-3	-0.1%
90.1%	3,313	3,271	-41	-1.3%
91.4%	3,266	3,253	-12	-0.4%
92.6%	3,195	3,154	-41	-1.3%
93.8%	3,181	3,135	-46	-1.4%
95.1%	3,067	3,127	60	1.9%
96.3%	3,009	3,095	87	2.9%
97.5%	2,927	3,067	141	4.8%
98.8%	2,266	3,034	768	33.9%
100.0%	2,156	2,976	820	38.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,002	11,004	2	0.0%
1.2%	10,821	10,787	-34	-0.3%
2.5%	9,941	9,748	-193	-1.9%
3.7%	8,787	8,762	-25	-0.3%
4.9%	8,650	8,706	56	0.7%
6.2%	8,519	8,516	-3	0.0%
7.4%	7,542	7,495	-47	-0.6%
8.6%	7,502	7,484	-18	-0.2%
9.9%	7,463	7,364	-100	-1.3%
11.1%	7,232	7,154	-78	-1.1%
12.3%	6,780	6,714	-66	-1.0%
13.6%	6,566	6,092	-474	-7.2%
14.8%	6,275	6,065	-209	-3.3%
16.0%	5,712	6,004	291	5.1%
17.3%	5,500	5,917	417	7.6%
18.5%	5,497	5,601	104	1.9%
19.8%	5,470	5,493	23	0.4%
21.0%	5,317	5,139	-178	-3.3%
22.2%	5,263	4,813	-450	-8.6%
23.5%	4,660	4,578	-82	-1.8%
24.7%	4,548	4,403	-145	-3.2%
25.9%	4,413	4,397	-16	-0.4%
27.2%	4,346	4,365	18	0.4%
28.4%	4,258	4,359	100	2.4%
29.6%	4,214	4,339	126	3.0%
30.9%	4,182	4,325	143	3.4%
32.1%	4,176	4,220	44	1.1%
33.3%	4,165	4,179	13	0.3%
34.6%	4,139	4,177	38	0.9%
35.8%	4,079	4,164	86	2.1%
37.0%	4,077	4,135	58	1.4%
38.3%	3,982	4,134	152	3.8%
39.5%	3,957	4,120	163	4.1%
40.7%	3,953	4,113	160	4.0%
42.0%	3,941	4,068	127	3.2%
43.2%	3,900	4,055	156	4.0%
44.4%	3,892	4,049	157	4.0%
45.7%	3,880	4,046	166	4.3%
46.9%	3,875	4,043	168	4.3%
48.1%	3,871	3,987	116	3.0%
49.4%	3,862	3,975	113	2.9%
50.6%	3,836	3,959	123	3.2%
51.9%	3,835	3,943	108	2.8%
53.1%	3,822	3,900	78	2.0%
54.3%	3,818	3,855	37	1.0%
55.6%	3,796	3,825	29	0.8%
56.8%	3,794	3,744	-50	-1.3%
58.0%	3,779	3,705	-73	-1.9%
59.3%	3,760	3,675	-85	-2.3%
60.5%	3,741	3,668	-73	-1.9%
61.7%	3,707	3,642	-65	-1.7%
63.0%	3,663	3,640	-24	-0.6%
64.2%	3,663	3,612	-51	-1.4%
65.4%	3,616	3,609	-8	-0.2%
66.7%	3,606	3,601	-5	-0.1%
67.9%	3,503	3,575	71	2.0%
69.1%	3,461	3,567	106	3.1%
70.4%	3,440	3,543	103	3.0%
71.6%	3,408	3,536	128	3.8%
72.8%	3,393	3,528	135	4.0%
74.1%	3,390	3,528	138	4.1%
75.3%	3,360	3,497	137	4.1%
76.5%	3,350	3,494	144	4.3%
77.8%	3,337	3,489	151	4.5%
79.0%	3,331	3,385	54	1.6%
80.2%	3,321	3,385	64	1.9%
81.5%	3,301	3,373	72	2.2%
82.7%	3,292	3,372	80	2.4%
84.0%	3,289	3,371	83	2.5%
85.2%	3,229	3,363	134	4.2%
86.4%	3,206	3,312	106	3.3%
87.7%	3,195	3,272	77	2.4%
88.9%	3,148	3,253	105	3.3%
90.1%	3,122	3,244	123	3.9%
91.4%	3,105	3,205	100	3.2%
92.6%	3,088	3,134	47	1.5%
93.8%	3,048	3,086	39	1.3%
95.1%	3,028	3,069	41	1.4%
96.3%	3,004	3,052	48	1.6%
97.5%	2,910	2,883	-27	-0.9%
98.8%	2,861	2,833	-28	-1.0%
100.0%	2,829	2,792	-37	-1.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,245	11,256	11	0.1%
1.2%	11,103	11,100	-3	0.0%
2.5%	10,848	10,785	-63	-0.6%
3.7%	10,481	10,482	0	0.0%
4.9%	10,276	10,240	-36	-0.4%
6.2%	9,985	9,766	-219	-2.2%
7.4%	9,561	9,452	-109	-1.1%
8.6%	9,263	9,251	-12	-0.1%
9.9%	9,182	9,205	23	0.3%
11.1%	9,119	9,091	-29	-0.3%
12.3%	8,717	8,608	-109	-1.3%
13.6%	8,680	8,495	-185	-2.1%
14.8%	8,663	8,484	-180	-2.1%
16.0%	8,652	8,483	-169	-2.0%
17.3%	8,497	8,455	-42	-0.5%
18.5%	8,416	8,295	-121	-1.4%
19.8%	8,214	8,168	-46	-0.6%
21.0%	8,201	8,019	-182	-2.2%
22.2%	7,299	7,197	-102	-1.4%
23.5%	7,120	7,121	0	0.0%
24.7%	7,100	6,974	-126	-1.8%
25.9%	6,994	6,708	-286	-4.1%
27.2%	6,854	6,537	-318	-4.6%
28.4%	6,542	6,410	-132	-2.0%
29.6%	6,511	5,977	-535	-8.2%
30.9%	5,976	5,949	-27	-0.4%
32.1%	5,931	5,622	-309	-5.2%
33.3%	5,758	5,580	-178	-3.1%
34.6%	5,754	5,540	-214	-3.7%
35.8%	5,032	5,082	50	1.0%
37.0%	4,934	5,005	70	1.4%
38.3%	4,529	4,489	-40	-0.9%
39.5%	4,425	4,426	2	0.0%
40.7%	4,405	4,114	-291	-6.6%
42.0%	4,400	4,035	-364	-8.3%
43.2%	4,244	3,992	-252	-5.9%
44.4%	4,230	3,946	-283	-6.7%
45.7%	4,150	3,849	-301	-7.3%
46.9%	4,097	3,785	-312	-7.6%
48.1%	4,032	3,781	-251	-6.2%
49.4%	3,853	3,653	-200	-5.2%
50.6%	3,835	3,645	-190	-4.9%
51.9%	3,763	3,602	-161	-4.3%
53.1%	3,746	3,580	-166	-4.4%
54.3%	3,695	3,503	-192	-5.2%
55.6%	3,627	3,500	-127	-3.5%
56.8%	3,581	3,485	-96	-2.7%
58.0%	3,567	3,409	-157	-4.4%
59.3%	3,455	3,409	-46	-1.3%
60.5%	3,389	3,368	-21	-0.6%
61.7%	3,339	3,319	-20	-0.6%
63.0%	3,328	3,175	-153	-4.6%
64.2%	3,203	3,038	-165	-5.2%
65.4%	3,202	3,016	-186	-5.8%
66.7%	3,051	2,950	-101	-3.3%
67.9%	3,041	2,942	-98	-3.2%
69.1%	2,943	2,824	-119	-4.0%
70.4%	2,877	2,824	-53	-1.9%
71.6%	2,825	2,824	-1	0.0%
72.8%	2,795	2,824	29	1.0%
74.1%	2,688	2,824	136	5.1%
75.3%	2,670	2,824	154	5.8%
76.5%	2,666	2,824	158	5.9%
77.8%	2,662	2,824	162	6.1%
79.0%	2,644	2,810	166	6.3%
80.2%	2,639	2,802	163	6.2%
81.5%	2,633	2,784	151	5.7%
82.7%	2,621	2,754	133	5.1%
84.0%	2,588	2,717	129	5.0%
85.2%	2,583	2,671	88	3.4%
86.4%	2,570	2,610	40	1.6%
87.7%	2,496	2,576	80	3.2%
88.9%	2,495	2,568	73	2.9%
90.1%	2,459	2,546	88	3.6%
91.4%	2,387	2,524	137	5.8%
92.6%	2,378	2,524	145	6.1%
93.8%	2,359	2,482	123	5.2%
95.1%	2,274	2,464	190	8.4%
96.3%	2,264	2,258	-6	-0.3%
97.5%	2,206	2,250	44	2.0%
98.8%	2,165	2,111	-54	-2.5%
100.0%	2,144	1,834	-310	-14.5%

Table SW-34-5b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,086	11,085	-1	0.0%
1.2%	10,728	10,727	0	0.0%
2.5%	10,669	10,710	41	0.4%
3.7%	10,441	10,398	-44	-0.4%
4.9%	10,265	10,210	-55	-0.5%
6.2%	10,142	10,088	-54	-0.5%
7.4%	10,058	10,022	-36	-0.4%
8.6%	9,974	9,920	-54	-0.5%
9.9%	9,928	9,881	-48	-0.5%
11.1%	9,823	9,764	-59	-0.6%
12.3%	9,731	9,626	-104	-1.1%
13.6%	9,557	9,489	-68	-0.7%
14.8%	9,437	9,374	-63	-0.7%
16.0%	9,138	9,129	-8	-0.1%
17.3%	9,089	9,084	-5	-0.1%
18.5%	9,041	9,046	5	0.1%
19.8%	8,929	9,033	104	1.2%
21.0%	8,756	8,929	173	2.0%
22.2%	8,685	8,628	-57	-0.7%
23.5%	8,672	8,555	-117	-1.4%
24.7%	8,425	8,502	76	0.9%
25.9%	7,767	7,839	72	0.9%
27.2%	7,733	7,615	-118	-1.5%
28.4%	7,571	7,329	-243	-3.2%
29.6%	7,355	7,185	-169	-2.3%
30.9%	7,292	7,105	-186	-2.6%
32.1%	7,254	7,059	-195	-2.7%
33.3%	7,196	6,979	-217	-3.0%
34.6%	7,191	6,860	-331	-4.6%
35.8%	7,053	6,807	-245	-3.5%
37.0%	6,839	6,780	-59	-0.9%
38.3%	6,635	6,669	34	0.5%
39.5%	6,630	6,394	-236	-3.6%
40.7%	6,454	6,381	-73	-1.1%
42.0%	6,442	6,348	-93	-1.4%
43.2%	6,060	6,059	-1	0.0%
44.4%	5,660	5,386	-274	-4.8%
45.7%	5,468	5,381	-86	-1.6%
46.9%	5,387	5,123	-264	-4.9%
48.1%	5,313	5,113	-200	-3.8%
49.4%	5,310	4,905	-405	-7.6%
50.6%	5,174	4,740	-434	-8.4%
51.9%	4,844	4,549	-295	-6.1%
53.1%	4,699	4,530	-170	-3.6%
54.3%	4,638	4,403	-235	-5.1%
55.6%	4,435	4,271	-164	-3.7%
56.8%	4,172	4,010	-163	-3.9%
58.0%	4,118	4,008	-110	-2.7%
59.3%	4,082	3,911	-171	-4.2%
60.5%	4,035	3,884	-151	-3.7%
61.7%	3,954	3,838	-116	-2.9%
63.0%	3,873	3,642	-230	-5.9%
64.2%	3,795	3,548	-248	-6.5%
65.4%	3,731	3,533	-199	-5.3%
66.7%	3,676	3,527	-150	-4.1%
67.9%	3,442	3,306	-136	-4.0%
69.1%	3,306	3,292	-14	-0.4%
70.4%	3,261	3,234	-26	-0.8%
71.6%	3,198	3,133	-65	-2.0%
72.8%	3,193	3,104	-89	-2.8%
74.1%	3,097	3,043	-53	-1.7%
75.3%	3,037	2,986	-51	-1.7%
76.5%	3,033	2,809	-224	-7.4%
77.8%	2,990	2,807	-183	-6.1%
79.0%	2,848	2,803	-45	-1.6%
80.2%	2,837	2,786	-51	-1.8%
81.5%	2,837	2,735	-102	-3.6%
82.7%	2,689	2,725	36	1.3%
84.0%	2,649	2,687	37	1.4%
85.2%	2,610	2,617	7	0.3%
86.4%	2,606	2,558	-48	-1.8%
87.7%	2,569	2,558	-11	-0.4%
88.9%	2,560	2,558	-2	-0.1%
90.1%	2,543	2,538	-5	-0.2%
91.4%	2,486	2,472	-14	-0.6%
92.6%	2,476	2,471	-4	-0.2%
93.8%	2,400	2,434	34	1.4%
95.1%	2,362	2,405	43	1.8%
96.3%	2,197	2,358	161	7.3%
97.5%	2,044	2,249	205	10.0%
98.8%	1,985	2,068	83	4.2%
100.0%	1,894	2,002	108	5.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,681	0	0.0%
1.2%	11,140	11,145	6	0.1%
2.5%	10,464	10,404	-61	-0.6%
3.7%	10,255	10,221	-35	-0.3%
4.9%	9,890	9,890	0	0.0%
6.2%	9,835	9,791	-43	-0.4%
7.4%	9,824	9,776	-48	-0.5%
8.6%	9,644	9,334	-310	-3.2%
9.9%	8,985	8,832	-152	-1.7%
11.1%	8,957	8,822	-135	-1.5%
12.3%	8,893	8,772	-121	-1.4%
13.6%	8,696	8,504	-193	-2.2%
14.8%	8,459	8,327	-132	-1.6%
16.0%	8,457	8,244	-212	-2.5%
17.3%	8,116	8,108	-8	-0.1%
18.5%	8,108	7,872	-236	-2.9%
19.8%	7,851	7,516	-335	-4.3%
21.0%	7,279	7,184	-95	-1.3%
22.2%	7,179	6,909	-270	-3.8%
23.5%	7,074	6,881	-194	-2.7%
24.7%	6,773	6,591	-183	-2.7%
25.9%	6,750	6,439	-311	-4.6%
27.2%	6,589	6,187	-402	-6.1%
28.4%	6,545	6,174	-372	-5.7%
29.6%	6,358	6,151	-206	-3.2%
30.9%	6,352	5,734	-618	-9.7%
32.1%	6,211	5,569	-642	-10.3%
33.3%	5,851	5,474	-377	-6.4%
34.6%	5,652	5,462	-190	-3.4%
35.8%	5,431	5,392	-39	-0.7%
37.0%	5,359	5,304	-55	-1.0%
38.3%	5,338	5,275	-64	-1.2%
39.5%	5,297	4,976	-321	-6.1%
40.7%	5,138	4,873	-266	-5.2%
42.0%	5,116	4,863	-252	-4.9%
43.2%	4,794	4,477	-317	-6.6%
44.4%	4,707	4,386	-321	-6.8%
45.7%	4,659	4,365	-295	-6.3%
46.9%	4,540	4,160	-380	-8.4%
48.1%	4,510	4,141	-368	-8.2%
49.4%	4,198	3,736	-461	-11.0%
50.6%	4,180	3,713	-467	-11.2%
51.9%	4,142	3,709	-433	-10.5%
53.1%	3,982	3,687	-295	-7.4%
54.3%	3,874	3,633	-241	-6.2%
55.6%	3,806	3,506	-300	-7.9%
56.8%	3,790	3,435	-355	-9.4%
58.0%	3,786	3,405	-381	-10.1%
59.3%	3,777	3,332	-445	-11.8%
60.5%	3,756	3,245	-511	-13.6%
61.7%	3,660	3,182	-478	-13.1%
63.0%	3,618	3,159	-459	-12.7%
64.2%	3,512	3,157	-354	-10.1%
65.4%	3,504	3,125	-378	-10.8%
66.7%	3,470	3,111	-359	-10.3%
67.9%	3,444	3,109	-335	-9.7%
69.1%	3,430	3,066	-365	-10.6%
70.4%	3,389	3,026	-363	-10.7%
71.6%	3,384	2,978	-406	-12.0%
72.8%	3,349	2,857	-491	-14.7%
74.1%	3,301	2,839	-461	-14.0%
75.3%	3,239	2,799	-441	-13.6%
76.5%	3,115	2,766	-348	-11.2%
77.8%	2,906	2,662	-243	-8.4%
79.0%	2,905	2,662	-243	-8.4%
80.2%	2,735	2,610	-125	-4.6%
81.5%	2,732	2,558	-174	-6.4%
82.7%	2,605	2,558	-47	-1.8%
84.0%	2,524	2,558	34	1.3%
85.2%	2,472	2,511	39	1.6%
86.4%	2,472	2,473	1	0.0%
87.7%	2,434	2,442	8	0.3%
88.9%	2,351	2,441	90	3.8%
90.1%	2,347	2,367	19	0.8%
91.4%	2,325	2,273	-52	-2.2%
92.6%	2,289	2,253	-36	-1.6%
93.8%	2,235	2,251	16	0.7%
95.1%	2,222	2,210	-12	-0.5%
96.3%	2,013	2,094	81	4.0%
97.5%	1,970	2,061	91	4.6%
98.8%	1,881	2,055	174	9.2%
100.0%	1,852	1,975	123	6.7%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,424	10,370	-55	-0.5%
1.2%	9,817	9,818	1	0.0%
2.5%	9,426	9,342	-83	-0.9%
3.7%	8,410	8,409	0	0.0%
4.9%	8,296	8,297	0	0.0%
6.2%	8,076	7,862	-214	-2.7%
7.4%	8,061	7,838	-222	-2.8%
8.6%	7,947	7,772	-175	-2.2%
9.9%	7,529	7,216	-313	-4.2%
11.1%	7,472	7,162	-310	-4.1%
12.3%	6,876	6,829	-47	-0.7%
13.6%	6,503	6,424	-79	-1.2%
14.8%	6,437	6,276	-161	-2.5%
16.0%	6,407	6,045	-362	-5.7%
17.3%	6,200	5,993	-207	-3.3%
18.5%	6,109	5,791	-318	-5.2%
19.8%	5,991	5,775	-217	-3.6%
21.0%	5,838	5,494	-344	-5.9%
22.2%	5,438	5,179	-259	-4.8%
23.5%	5,360	4,998	-362	-6.8%
24.7%	5,222	4,921	-301	-5.8%
25.9%	4,177	4,175	-1	0.0%
27.2%	4,093	3,882	-211	-5.2%
28.4%	4,066	3,845	-221	-5.4%
29.6%	4,010	3,825	-186	-4.6%
30.9%	3,987	3,819	-168	-4.2%
32.1%	3,877	3,707	-170	-4.4%
33.3%	3,825	3,685	-140	-3.7%
34.6%	3,818	3,682	-136	-3.6%
35.8%	3,684	3,629	-55	-1.5%
37.0%	3,628	3,590	-39	-1.1%
38.3%	3,618	3,511	-107	-3.0%
39.5%	3,611	3,479	-131	-3.6%
40.7%	3,595	3,444	-150	-4.2%
42.0%	3,498	3,360	-138	-4.0%
43.2%	3,304	3,342	37	1.1%
44.4%	3,238	3,163	-76	-2.3%
45.7%	3,237	3,129	-107	-3.3%
46.9%	3,225	3,087	-138	-4.3%
48.1%	3,057	3,057	0	0.0%
49.4%	3,039	3,011	-27	-0.9%
50.6%	2,976	2,977	0	0.0%
51.9%	2,927	2,927	1	0.0%
53.1%	2,802	2,814	11	0.4%
54.3%	2,703	2,704	0	0.0%
55.6%	2,672	2,674	1	0.1%
56.8%	2,657	2,661	4	0.2%
58.0%	2,578	2,574	-4	-0.2%
59.3%	2,557	2,558	1	0.0%
60.5%	2,551	2,552	0	0.0%
61.7%	2,548	2,548	0	0.0%
63.0%	2,513	2,519	7	0.3%
64.2%	2,462	2,466	4	0.1%
65.4%	2,453	2,452	-1	0.0%
66.7%	2,452	2,428	-24	-1.0%
67.9%	2,440	2,427	-14	-0.6%
69.1%	2,425	2,425	0	0.0%
70.4%	2,375	2,393	18	0.7%
71.6%	2,375	2,372	-3	-0.1%
72.8%	2,360	2,354	-6	-0.3%
74.1%	2,354	2,344	-10	-0.4%
75.3%	2,340	2,339	0	0.0%
76.5%	2,337	2,338	1	0.1%
77.8%	2,317	2,322	5	0.2%
79.0%	2,315	2,320	6	0.2%
80.2%	2,304	2,305	1	0.0%
81.5%	2,271	2,264	-7	-0.3%
82.7%	2,198	2,223	25	1.1%
84.0%	2,189	2,182	-7	-0.3%
85.2%	2,159	2,173	14	0.7%
86.4%	2,152	2,159	7	0.3%
87.7%	2,123	2,150	27	1.3%
88.9%	2,108	2,147	39	1.9%
90.1%	2,107	2,117	10	0.5%
91.4%	2,100	2,107	8	0.4%
92.6%	2,091	2,100	9	0.4%
93.8%	2,090	2,091	1	0.0%
95.1%	2,078	2,078	0	0.0%
96.3%	1,982	2,041	59	3.0%
97.5%	1,972	1,936	-36	-1.8%
98.8%	1,927	1,928	0	0.0%
100.0%	1,810	1,776	-34	-1.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,619	8,428	-191	-2.2%
1.2%	8,580	8,347	-234	-2.7%
2.5%	8,010	8,010	0	0.0%
3.7%	7,826	7,773	-53	-0.7%
4.9%	7,312	7,263	-50	-0.7%
6.2%	6,769	6,755	-14	-0.2%
7.4%	6,559	6,544	-15	-0.2%
8.6%	6,511	6,412	-99	-1.5%
9.9%	6,376	6,374	-2	0.0%
11.1%	6,271	6,238	-32	-0.5%
12.3%	6,010	5,741	-269	-4.5%
13.6%	5,942	5,732	-210	-3.5%
14.8%	5,911	5,564	-348	-5.9%
16.0%	5,050	5,084	34	0.7%
17.3%	4,985	5,041	57	1.1%
18.5%	4,584	4,583	-1	0.0%
19.8%	4,543	4,278	-265	-5.8%
21.0%	4,482	4,254	-229	-5.1%
22.2%	4,293	4,206	-87	-2.0%
23.5%	4,227	3,975	-252	-6.0%
24.7%	4,021	3,774	-247	-6.1%
25.9%	3,877	3,765	-112	-2.9%
27.2%	3,536	3,537	1	0.0%
28.4%	3,310	3,314	4	0.1%
29.6%	3,255	3,246	-9	-0.3%
30.9%	3,235	3,134	-102	-3.1%
32.1%	3,186	3,078	-108	-3.4%
33.3%	3,134	3,013	-121	-3.9%
34.6%	3,012	2,999	-14	-0.5%
35.8%	2,998	2,895	-103	-3.4%
37.0%	2,921	2,831	-90	-3.1%
38.3%	2,837	2,820	-18	-0.6%
39.5%	2,823	2,790	-33	-1.2%
40.7%	2,790	2,736	-53	-1.9%
42.0%	2,736	2,714	-22	-0.8%
43.2%	2,714	2,695	-18	-0.7%
44.4%	2,670	2,675	5	0.2%
45.7%	2,639	2,671	32	1.2%
46.9%	2,631	2,654	23	0.9%
48.1%	2,630	2,640	10	0.4%
49.4%	2,629	2,616	-14	-0.5%
50.6%	2,616	2,563	-52	-2.0%
51.9%	2,483	2,498	15	0.6%
53.1%	2,447	2,448	2	0.1%
54.3%	2,432	2,440	8	0.3%
55.6%	2,431	2,423	-8	-0.3%
56.8%	2,423	2,420	-3	-0.1%
58.0%	2,416	2,416	0	0.0%
59.3%	2,389	2,402	13	0.6%
60.5%	2,385	2,389	5	0.2%
61.7%	2,301	2,386	85	3.7%
63.0%	2,297	2,367	70	3.1%
64.2%	2,289	2,326	37	1.6%
65.4%	2,272	2,322	51	2.2%
66.7%	2,262	2,287	25	1.1%
67.9%	2,241	2,268	27	1.2%
69.1%	2,240	2,259	20	0.9%
70.4%	2,237	2,258	21	0.9%
71.6%	2,235	2,241	6	0.2%
72.8%	2,231	2,231	0	0.0%
74.1%	2,231	2,225	-6	-0.3%
75.3%	2,192	2,218	27	1.2%
76.5%	2,165	2,203	39	1.8%
77.8%	2,161	2,192	31	1.4%
79.0%	2,147	2,137	-10	-0.5%
80.2%	2,122	2,136	15	0.7%
81.5%	2,087	2,117	30	1.4%
82.7%	2,084	2,095	11	0.5%
84.0%	2,047	2,089	42	2.0%
85.2%	2,037	2,060	23	1.1%
86.4%	2,036	2,025	-11	-0.5%
87.7%	2,012	2,013	0	0.0%
88.9%	2,006	1,962	-44	-2.2%
90.1%	1,979	1,939	-40	-2.0%
91.4%	1,913	1,933	20	1.1%
92.6%	1,875	1,911	36	1.9%
93.8%	1,836	1,891	55	3.0%
95.1%	1,758	1,744	-14	-0.8%
96.3%	1,741	1,735	-6	-0.3%
97.5%	1,715	1,716	1	0.1%
98.8%	1,705	1,668	-37	-2.2%
100.0%	1,555	1,587	32	2.1%

Table SW-34-5b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,947	8,940	-7	-0.1%
1.2%	8,569	8,541	-28	-0.3%
2.5%	8,539	8,487	-51	-0.6%
3.7%	8,352	8,034	-318	-3.8%
4.9%	7,907	7,826	-81	-1.0%
6.2%	7,601	7,780	179	2.4%
7.4%	7,566	7,662	97	1.3%
8.6%	7,490	7,584	94	1.3%
9.9%	7,473	7,572	99	1.3%
11.1%	7,402	7,244	-158	-2.1%
12.3%	7,110	6,953	-156	-2.2%
13.6%	6,827	6,602	-225	-3.3%
14.8%	6,402	6,386	-16	-0.3%
16.0%	6,290	6,327	37	0.6%
17.3%	6,153	6,284	132	2.1%
18.5%	6,150	6,229	79	1.3%
19.8%	6,079	6,153	73	1.2%
21.0%	6,059	6,113	54	0.9%
22.2%	5,948	6,073	125	2.1%
23.5%	5,940	6,047	108	1.8%
24.7%	5,869	5,995	126	2.1%
25.9%	5,864	5,976	112	1.9%
27.2%	5,861	5,974	113	1.9%
28.4%	5,849	5,973	125	2.1%
29.6%	5,820	5,947	127	2.2%
30.9%	5,813	5,942	129	2.2%
32.1%	5,809	5,912	103	1.8%
33.3%	5,807	5,910	103	1.8%
34.6%	5,805	5,819	13	0.2%
35.8%	5,671	5,770	99	1.7%
37.0%	5,596	5,702	106	1.9%
38.3%	5,591	5,679	88	1.6%
39.5%	5,584	5,679	95	1.7%
40.7%	5,570	5,667	97	1.7%
42.0%	5,552	5,647	95	1.7%
43.2%	5,538	5,628	90	1.6%
44.4%	5,531	5,627	96	1.7%
45.7%	5,490	5,602	112	2.0%
46.9%	5,479	5,561	82	1.5%
48.1%	5,471	5,541	70	1.3%
49.4%	5,447	5,537	90	1.7%
50.6%	5,379	5,513	134	2.5%
51.9%	5,377	5,496	119	2.2%
53.1%	5,371	5,470	99	1.8%
54.3%	5,367	5,458	91	1.7%
55.6%	5,365	5,454	89	1.7%
56.8%	5,345	5,434	89	1.7%
58.0%	5,310	5,429	119	2.2%
59.3%	5,306	5,392	86	1.6%
60.5%	5,297	5,380	84	1.6%
61.7%	5,296	5,360	63	1.2%
63.0%	5,293	5,335	42	0.8%
64.2%	5,270	5,334	64	1.2%
65.4%	5,251	5,329	78	1.5%
66.7%	5,242	5,322	80	1.5%
67.9%	5,199	5,294	95	1.8%
69.1%	5,197	5,247	50	1.0%
70.4%	5,185	5,241	56	1.1%
71.6%	5,173	5,225	52	1.0%
72.8%	5,130	5,216	86	1.7%
74.1%	5,119	5,199	81	1.6%
75.3%	5,102	5,194	91	1.8%
76.5%	5,092	5,124	32	0.6%
77.8%	4,987	5,124	137	2.7%
79.0%	4,985	5,096	110	2.2%
80.2%	4,979	5,063	84	1.7%
81.5%	4,918	5,015	97	2.0%
82.7%	4,899	5,004	105	2.1%
84.0%	4,864	4,978	114	2.3%
85.2%	4,849	4,964	115	2.4%
86.4%	4,831	4,884	53	1.1%
87.7%	4,775	4,853	78	1.6%
88.9%	4,739	4,852	113	2.4%
90.1%	4,720	4,850	130	2.8%
91.4%	4,505	4,510	6	0.1%
92.6%	4,419	4,504	84	1.9%
93.8%	4,413	4,444	31	0.7%
95.1%	4,390	4,420	30	0.7%
96.3%	4,276	4,398	122	2.9%
97.5%	4,227	4,287	60	1.4%
98.8%	4,196	4,244	48	1.1%
100.0%	4,182	4,188	5	0.1%

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,344	9,354	11	0.1%
1.2%	9,339	9,325	-14	-0.1%
2.5%	9,307	9,251	-56	-0.6%
3.7%	9,288	9,212	-77	-0.8%
4.9%	9,214	9,171	-44	-0.5%
6.2%	9,212	9,100	-111	-1.2%
7.4%	9,200	9,090	-110	-1.2%
8.6%	9,057	9,068	11	0.1%
9.9%	9,054	8,836	-218	-2.4%
11.1%	9,033	8,833	-199	-2.2%
12.3%	9,032	8,803	-229	-2.5%
13.6%	9,003	8,686	-316	-3.5%
14.8%	9,002	8,677	-325	-3.6%
16.0%	8,993	8,663	-330	-3.7%
17.3%	8,931	8,618	-313	-3.5%
18.5%	8,925	8,614	-311	-3.5%
19.8%	8,822	8,593	-229	-2.6%
21.0%	8,730	8,560	-171	-2.0%
22.2%	8,703	8,504	-199	-2.3%
23.5%	8,650	8,463	-187	-2.2%
24.7%	8,641	8,369	-272	-3.2%
25.9%	8,600	8,363	-237	-2.8%
27.2%	8,577	8,336	-241	-2.8%
28.4%	8,541	8,293	-249	-2.9%
29.6%	8,440	8,284	-156	-1.9%
30.9%	8,380	8,268	-112	-1.3%
32.1%	8,363	8,262	-101	-1.2%
33.3%	8,267	8,261	-7	-0.1%
34.6%	8,244	8,243	0	0.0%
35.8%	8,140	8,230	90	1.1%
37.0%	8,132	8,216	83	1.0%
38.3%	8,131	8,206	75	0.9%
39.5%	8,115	8,192	77	0.9%
40.7%	7,985	8,176	192	2.4%
42.0%	7,957	8,163	205	2.6%
43.2%	7,947	8,143	196	2.5%
44.4%	7,942	8,074	133	1.7%
45.7%	7,928	8,026	98	1.2%
46.9%	7,912	7,997	84	1.1%
48.1%	7,896	7,920	24	0.3%
49.4%	7,896	7,814	-82	-1.0%
50.6%	7,882	7,812	-70	-0.9%
51.9%	7,877	7,774	-102	-1.3%
53.1%	7,863	7,636	-227	-2.9%
54.3%	7,851	7,580	-270	-3.4%
55.6%	7,845	7,571	-274	-3.5%
56.8%	7,841	7,562	-279	-3.6%
58.0%	7,828	7,561	-267	-3.4%
59.3%	7,791	7,550	-241	-3.1%
60.5%	7,753	7,381	-371	-4.8%
61.7%	7,741	7,365	-376	-4.9%
63.0%	7,605	7,315	-290	-3.8%
64.2%	7,574	7,162	-411	-5.4%
65.4%	7,519	7,090	-429	-5.7%
66.7%	7,516	6,953	-563	-7.5%
67.9%	7,481	6,884	-598	-8.0%
69.1%	7,462	6,771	-691	-9.3%
70.4%	7,435	6,752	-683	-9.2%
71.6%	7,267	6,737	-530	-7.3%
72.8%	7,204	6,583	-621	-8.6%
74.1%	7,141	6,579	-562	-7.9%
75.3%	7,125	6,547	-578	-8.1%
76.5%	7,121	6,129	-992	-13.9%
77.8%	7,090	5,993	-1,097	-15.5%
79.0%	7,086	5,982	-1,104	-15.6%
80.2%	6,924	5,918	-1,006	-14.5%
81.5%	6,805	5,770	-1,034	-15.2%
82.7%	6,724	5,650	-1,075	-16.0%
84.0%	6,686	5,584	-1,102	-16.5%
85.2%	6,582	5,305	-1,278	-19.4%
86.4%	6,450	4,318	-2,132	-33.1%
87.7%	6,441	4,318	-2,124	-33.0%
88.9%	6,312	4,302	-2,011	-31.9%
90.1%	6,238	4,293	-1,945	-31.2%
91.4%	6,129	4,271	-1,858	-30.3%
92.6%	6,125	4,265	-1,860	-30.4%
93.8%	6,069	4,259	-1,810	-29.8%
95.1%	5,815	4,208	-1,607	-27.6%
96.3%	5,797	4,204	-1,592	-27.5%
97.5%	5,319	4,194	-1,124	-21.1%
98.8%	4,683	4,194	-489	-10.4%
100.0%	4,471	4,171	-300	-6.7%

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,840	8,617	778	9.9%
1.2%	7,822	8,190	368	4.7%
2.5%	7,780	7,929	149	1.9%
3.7%	7,627	7,840	213	2.8%
4.9%	7,450	7,820	370	5.0%
6.2%	7,430	7,813	383	5.2%
7.4%	7,387	7,678	291	3.9%
8.6%	7,371	7,677	306	4.1%
9.9%	7,340	7,638	298	4.1%
11.1%	7,304	7,615	311	4.3%
12.3%	7,254	7,607	352	4.9%
13.6%	7,251	7,568	316	4.4%
14.8%	7,192	7,496	304	4.2%
16.0%	7,173	7,495	322	4.5%
17.3%	7,117	7,485	368	5.2%
18.5%	7,105	7,477	372	5.2%
19.8%	7,090	7,475	385	5.4%
21.0%	7,088	7,459	371	5.2%
22.2%	7,063	7,455	392	5.5%
23.5%	7,060	7,427	367	5.2%
24.7%	7,059	7,418	360	5.1%
25.9%	7,058	7,402	343	4.9%
27.2%	7,046	7,396	350	5.0%
28.4%	7,038	7,280	242	3.4%
29.6%	7,032	7,258	226	3.2%
30.9%	7,025	7,223	198	2.8%
32.1%	7,001	7,210	208	3.0%
33.3%	6,989	7,190	200	2.9%
34.6%	6,987	7,152	165	2.4%
35.8%	6,975	7,111	137	2.0%
37.0%	6,960	7,108	149	2.1%
38.3%	6,954	7,031	77	1.1%
39.5%	6,932	7,028	96	1.4%
40.7%	6,921	7,003	81	1.2%
42.0%	6,912	6,975	63	0.9%
43.2%	6,855	6,924	69	1.0%
44.4%	6,840	6,917	77	1.1%
45.7%	6,824	6,909	85	1.3%
46.9%	6,811	6,892	82	1.2%
48.1%	6,742	6,877	134	2.0%
49.4%	6,727	6,854	127	1.9%
50.6%	6,722	6,836	114	1.7%
51.9%	6,713	6,827	114	1.7%
53.1%	6,707	6,812	104	1.6%
54.3%	6,706	6,773	67	1.0%
55.6%	6,659	6,729	70	1.1%
56.8%	6,646	6,722	76	1.1%
58.0%	6,640	6,659	19	0.3%
59.3%	6,586	6,656	70	1.1%
60.5%	6,583	6,645	62	0.9%
61.7%	6,575	6,586	11	0.2%
63.0%	6,571	6,583	12	0.2%
64.2%	6,525	6,534	9	0.1%
65.4%	6,510	6,525	15	0.2%
66.7%	6,506	6,525	18	0.3%
67.9%	6,481	6,514	32	0.5%
69.1%	6,428	6,509	80	1.3%
70.4%	6,417	6,441	25	0.4%
71.6%	6,410	6,430	20	0.3%
72.8%	6,399	6,414	15	0.2%
74.1%	6,395	6,395	1	0.0%
75.3%	6,273	6,320	47	0.7%
76.5%	6,260	6,274	15	0.2%
77.8%	6,216	6,220	5	0.1%
79.0%	6,032	6,219	187	3.1%
80.2%	5,931	6,215	285	4.8%
81.5%	5,900	6,206	306	5.2%
82.7%	5,801	6,128	327	5.6%
84.0%	5,769	5,784	15	0.3%
85.2%	5,659	5,756	97	1.7%
86.4%	5,180	5,743	563	10.9%
87.7%	5,058	5,737	679	13.4%
88.9%	4,832	5,669	837	17.3%
90.1%	4,765	5,555	790	16.6%
91.4%	4,666	5,531	865	18.5%
92.6%	4,628	5,313	685	14.8%
93.8%	4,529	5,080	551	12.2%
95.1%	4,299	4,723	423	9.8%
96.3%	4,255	4,701	446	10.5%
97.5%	4,208	4,687	479	11.4%
98.8%	4,156	4,678	523	12.6%
100.0%	4,148	4,194	47	1.1%

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,142	9,076	-66	-0.7%
1.2%	9,123	8,968	-155	-1.7%
2.5%	9,017	8,822	-195	-2.2%
3.7%	8,941	8,808	-133	-1.5%
4.9%	8,747	8,651	-97	-1.1%
6.2%	8,625	8,616	-9	-0.1%
7.4%	8,574	8,579	5	0.1%
8.6%	8,545	8,559	14	0.2%
9.9%	8,333	8,468	135	1.6%
11.1%	8,219	8,335	116	1.4%
12.3%	8,172	8,291	119	1.5%
13.6%	8,125	8,234	109	1.3%
14.8%	7,964	8,217	253	3.2%
16.0%	7,919	8,180	261	3.3%
17.3%	7,815	7,871	56	0.7%
18.5%	7,007	7,781	774	11.0%
19.8%	6,926	6,559	-366	-5.3%
21.0%	6,298	6,527	229	3.6%
22.2%	6,112	6,323	211	3.5%
23.5%	6,083	6,300	217	3.6%
24.7%	6,027	6,256	229	3.8%
25.9%	5,978	6,225	247	4.1%
27.2%	5,881	6,206	324	5.5%
28.4%	5,786	6,185	399	6.9%
29.6%	5,750	6,182	432	7.5%
30.9%	5,749	6,103	354	6.2%
32.1%	5,742	6,075	332	5.8%
33.3%	5,731	6,033	302	5.3%
34.6%	5,721	5,920	199	3.5%
35.8%	5,705	5,915	210	3.7%
37.0%	5,626	5,896	270	4.8%
38.3%	5,614	5,863	249	4.4%
39.5%	5,585	5,848	262	4.7%
40.7%	5,544	5,828	283	5.1%
42.0%	5,544	5,807	263	4.7%
43.2%	5,497	5,801	304	5.5%
44.4%	5,450	5,793	343	6.3%
45.7%	5,442	5,759	317	5.8%
46.9%	5,408	5,705	297	5.5%
48.1%	5,364	5,680	316	5.9%
49.4%	5,333	5,679	346	6.5%
50.6%	5,314	5,657	343	6.5%
51.9%	5,246	5,654	409	7.8%
53.1%	5,215	5,620	405	7.8%
54.3%	5,210	5,609	399	7.7%
55.6%	5,100	5,543	443	8.7%
56.8%	5,100	5,532	432	8.5%
58.0%	4,988	5,523	535	10.7%
59.3%	4,922	5,387	465	9.5%
60.5%	4,864	5,333	469	9.6%
61.7%	4,850	5,313	463	9.6%
63.0%	4,821	5,313	492	10.2%
64.2%	4,808	5,313	505	10.5%
65.4%	4,780	5,040	260	5.4%
66.7%	4,776	5,009	233	4.9%
67.9%	4,761	4,944	183	3.9%
69.1%	4,735	4,911	176	3.7%
70.4%	4,730	4,846	116	2.5%
71.6%	4,726	4,830	104	2.2%
72.8%	4,710	4,818	108	2.3%
74.1%	4,705	4,814	108	2.3%
75.3%	4,680	4,800	120	2.6%
76.5%	4,656	4,789	133	2.8%
77.8%	4,575	4,783	208	4.5%
79.0%	4,543	4,745	202	4.4%
80.2%	4,517	4,737	221	4.9%
81.5%	4,413	4,736	323	7.3%
82.7%	4,376	4,725	349	8.0%
84.0%	4,346	4,721	374	8.6%
85.2%	4,339	4,719	380	8.8%
86.4%	4,309	4,716	407	9.4%
87.7%	4,306	4,714	407	9.5%
88.9%	4,303	4,669	365	8.5%
90.1%	4,301	4,665	364	8.5%
91.4%	4,298	4,593	294	6.8%
92.6%	4,298	4,346	49	1.1%
93.8%	4,284	4,331	47	1.1%
95.1%	4,283	4,323	40	0.9%
96.3%	4,249	4,298	48	1.1%
97.5%	4,242	4,284	42	1.0%
98.8%	4,228	4,249	21	0.5%
100.0%	4,200	4,238	38	0.9%

Table SW-35-5a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	-6,024	-6,006	-6,736	-3,456	-3,185	-2,843	752	265	-3,714	-9,532	-9,171	-7,712
Alternative B	-6,600	-6,938	-6,730	-3,666	-3,250	-2,821	739	253	-3,652	-9,578	-9,500	-8,567
Difference	-576	-932	6	-210	-65	22	-13	-12	63	-45	-329	-855
Percent Difference[3]	-9.6%	-15.5%	0.1%	-6.1%	-2.0%	0.8%	-1.8%	-4.4%	1.7%	-0.5%	-3.6%	-11.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	-6,186	-5,518	-7,037	-2,094	-2,518	-1,900	2,264	1,385	-4,208	-8,917	-10,406	-8,540
Alternative B	-7,619	-6,552	-7,246	-2,129	-2,524	-1,970	2,256	1,365	-4,231	-8,892	-10,298	-9,457
Difference	-1,433	-1,034	-210	-35	-6	-70	-8	-19	-24	25	108	-916
Percent Difference	-23.2%	-18.7%	-3.0%	-1.7%	-0.2%	-3.7%	-0.4%	-1.4%	-0.6%	0.3%	1.0%	-10.7%
Above Normal (15%)												
No Action Alternative	-6,596	-6,082	-7,821	-3,723	-2,947	-4,269	910	415	-4,707	-9,954	-10,873	-8,531
Alternative B	-7,181	-7,601	-7,732	-3,839	-3,011	-4,159	906	410	-4,610	-10,227	-10,839	-9,522
Difference	-585	-1,520	89	-115	-64	110	-4	-5	98	-274	34	-991
Percent Difference	-8.9%	-25.0%	1.1%	-3.1%	-2.2%	2.6%	-0.5%	-1.3%	2.1%	-2.8%	0.3%	-11.6%
Below Normal (17%)												
No Action Alternative	-7,108	-8,187	-6,606	-4,240	-3,389	-3,923	637	248	-3,812	-10,867	-10,124	-8,484
Alternative B	-7,491	-8,621	-6,700	-4,240	-3,323	-3,886	637	247	-3,778	-10,713	-9,937	-8,726
Difference	-383	-434	-94	0	66	37	-1	-2	34	153	187	-242
Percent Difference	-5.4%	-5.3%	-1.4%	0.0%	1.9%	0.9%	-0.1%	-0.8%	0.9%	1.4%	1.8%	-2.8%
Dry (22%)												
No Action Alternative	-5,777	-6,519	-6,117	-4,527	-4,112	-2,884	-329	-671	-3,228	-10,750	-9,053	-7,376
Alternative B	-5,862	-7,384	-6,436	-4,814	-4,067	-2,852	-334	-606	-3,044	-10,820	-9,822	-8,321
Difference	-85	-865	-318	-288	46	32	-5	66	184	-69	-769	-945
Percent Difference	-1.5%	-13.3%	-5.2%	-6.4%	1.1%	1.1%	-1.6%	9.8%	5.7%	-0.6%	-8.5%	-12.8%
Critical (15%)												
No Action Alternative	-4,206	-3,674	-6,076	-3,620	-3,241	-2,140	-925	-890	-2,266	-7,060	-3,856	-4,702
Alternative B	-3,878	-4,478	-5,083	-4,429	-3,754	-2,040	-984	-1,020	-2,200	-7,225	-5,440	-5,871
Difference	328	-803	992	-809	-513	100	-59	-130	66	-165	-1,585	-1,169
Percent Difference	7.8%	-21.9%	16.3%	-22.3%	-15.8%	4.7%	-6.4%	-14.6%	2.9%	-2.3%	-41.1%	-24.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-35-5b
Old and Middle River, Monthly Flow
Probability of Exceedance

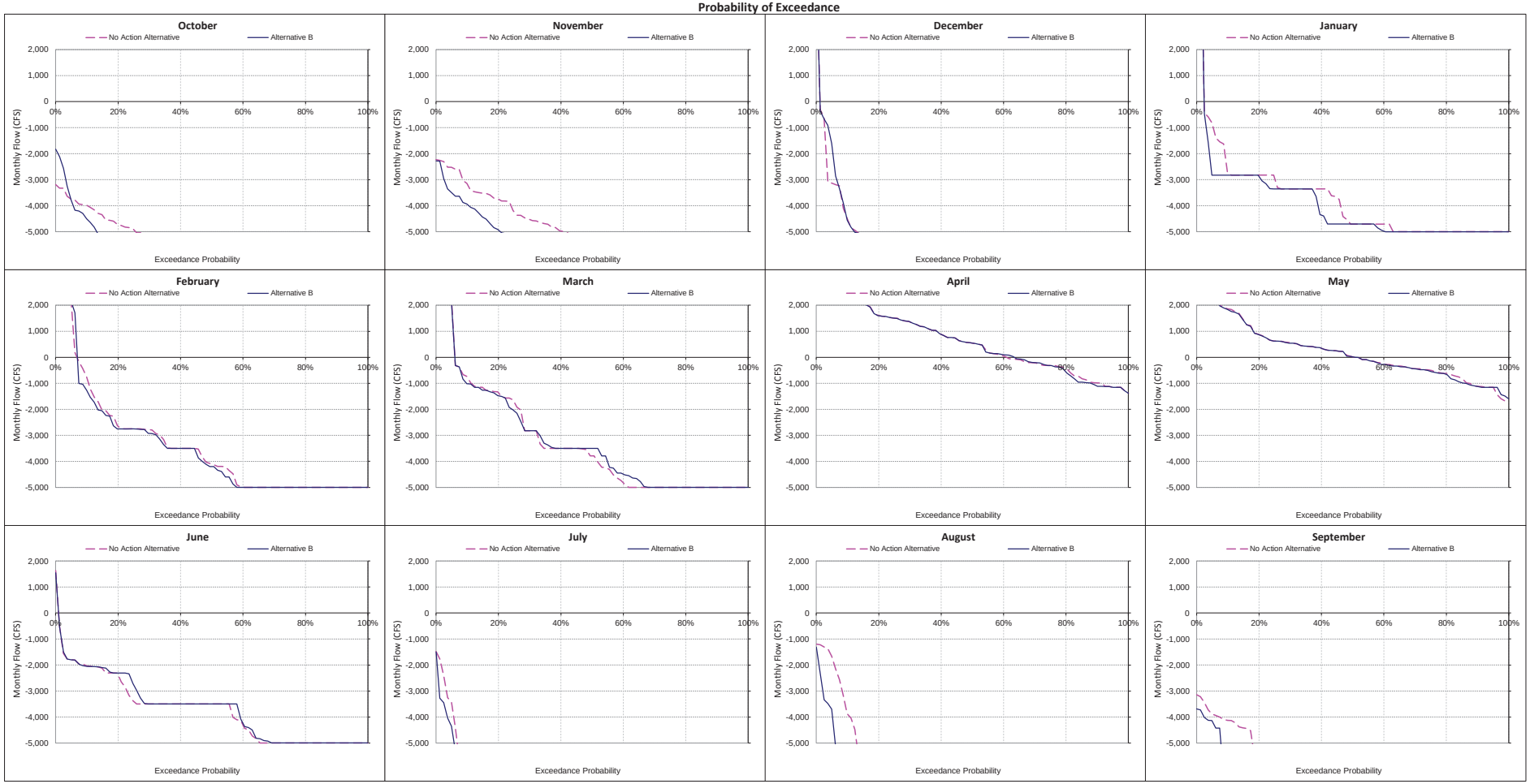

Table SW-35-5b
Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,190	-1,825	1,365	
1.2%	-3,326	-2,117	1,209	
2.5%	-3,330	-2,567	763	
3.7%	-3,641	-3,244	397	
4.9%	-3,750	-3,772	-22	
6.2%	-3,785	-4,174	-389	
7.4%	-3,936	-4,204	-268	
8.6%	-3,959	-4,299	-341	
9.9%	-3,981	-4,510	-529	
11.1%	-4,068	-4,641	-573	
12.3%	-4,163	-4,824	-661	
13.6%	-4,295	-5,090	-795	
14.8%	-4,345	-5,116	-771	
16.0%	-4,553	-5,133	-580	
17.3%	-4,561	-5,141	-579	
18.5%	-4,596	-5,201	-605	
19.8%	-4,721	-5,226	-505	
21.0%	-4,763	-5,306	-543	
22.2%	-4,824	-5,367	-543	
23.5%	-4,842	-5,439	-597	
24.7%	-4,883	-5,511	-628	
25.9%	-5,043	-5,535	-492	
27.2%	-5,046	-5,589	-543	
28.4%	-5,065	-5,594	-529	
29.6%	-5,136	-5,606	-469	
30.9%	-5,176	-5,661	-485	
32.1%	-5,180	-5,683	-503	
33.3%	-5,217	-5,685	-468	
34.6%	-5,302	-5,750	-448	
35.8%	-5,364	-5,766	-402	
37.0%	-5,374	-5,822	-448	
38.3%	-5,458	-5,848	-390	
39.5%	-5,519	-5,998	-479	
40.7%	-5,520	-6,030	-511	
42.0%	-5,535	-6,032	-498	
43.2%	-5,555	-6,041	-486	
44.4%	-5,606	-6,105	-499	
45.7%	-5,615	-6,184	-569	
46.9%	-5,661	-6,285	-623	
48.1%	-5,663	-6,751	-1,088	
49.4%	-5,679	-6,760	-1,081	
50.6%	-5,737	-6,775	-1,038	
51.9%	-5,762	-6,779	-1,017	
53.1%	-5,772	-6,785	-1,013	
54.3%	-5,791	-6,810	-1,019	
55.6%	-5,819	-6,853	-1,034	
56.8%	-5,819	-6,935	-1,116	
58.0%	-5,842	-6,997	-1,155	
59.3%	-5,880	-7,123	-1,244	
60.5%	-6,172	-7,205	-1,033	
61.7%	-6,189	-7,439	-1,250	
63.0%	-6,266	-7,513	-1,247	
64.2%	-6,323	-7,521	-1,197	
65.4%	-6,416	-7,612	-1,196	
66.7%	-6,422	-7,620	-1,198	
67.9%	-6,490	-7,692	-1,202	
69.1%	-6,631	-7,703	-1,072	
70.4%	-6,704	-7,776	-1,072	
71.6%	-6,775	-7,828	-1,053	
72.8%	-6,790	-7,887	-1,097	
74.1%	-6,831	-7,944	-1,113	
75.3%	-6,878	-7,967	-1,089	
76.5%	-6,956	-7,986	-1,030	
77.8%	-7,052	-7,995	-944	
79.0%	-7,201	-8,089	-888	
80.2%	-7,456	-8,108	-652	
81.5%	-7,651	-8,140	-489	
82.7%	-7,775	-8,212	-437	
84.0%	-7,834	-8,477	-643	
85.2%	-7,952	-8,479	-527	
86.4%	-8,074	-8,512	-437	
87.7%	-8,092	-8,528	-436	
88.9%	-8,107	-8,549	-443	
90.1%	-8,162	-8,563	-401	
91.4%	-8,531	-8,837	-306	
92.6%	-8,684	-8,883	-198	
93.8%	-8,989	-8,989	0	
95.1%	-9,008	-9,061	-53	
96.3%	-9,645	-9,131	514	
97.5%	-9,686	-9,708	-22	
98.8%	-10,127	-10,319	-193	
100.0%	-10,427	-10,427	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,230	-2,274	-44	
1.2%	-2,257	-2,288	-31	
2.5%	-2,309	-2,955	-646	
3.7%	-2,522	-3,360	-838	
4.9%	-2,526	-3,498	-972	
6.2%	-2,598	-3,634	-1,036	
7.4%	-2,600	-3,641	-1,040	
8.6%	-3,032	-3,873	-840	
9.9%	-3,144	-3,933	-788	
11.1%	-3,420	-4,062	-641	
12.3%	-3,465	-4,129	-664	
13.6%	-3,495	-4,278	-784	
14.8%	-3,519	-4,436	-917	
16.0%	-3,530	-4,516	-986	
17.3%	-3,589	-4,686	-1,097	
18.5%	-3,710	-4,848	-1,138	
19.8%	-3,732	-4,911	-1,179	
21.0%	-3,817	-5,040	-1,224	
22.2%	-3,822	-5,070	-1,248	
23.5%	-3,839	-5,111	-1,272	
24.7%	-4,189	-5,165	-976	
25.9%	-4,369	-5,200	-831	
27.2%	-4,373	-5,356	-983	
28.4%	-4,468	-5,576	-1,108	
29.6%	-4,515	-5,584	-1,069	
30.9%	-4,576	-5,935	-1,360	
32.1%	-4,589	-5,972	-1,383	
33.3%	-4,647	-6,042	-1,396	
34.6%	-4,686	-6,165	-1,479	
35.8%	-4,716	-6,345	-1,629	
37.0%	-4,826	-6,349	-1,523	
38.3%	-4,843	-6,531	-1,688	
39.5%	-4,962	-6,546	-1,584	
40.7%	-4,996	-6,560	-1,564	
42.0%	-5,042	-6,563	-1,521	
43.2%	-5,116	-6,604	-1,488	
44.4%	-5,127	-6,723	-1,596	
45.7%	-5,182	-6,753	-1,571	
46.9%	-5,266	-6,786	-1,520	
48.1%	-5,437	-6,802	-1,364	
49.4%	-5,593	-6,825	-1,232	
50.6%	-5,747	-6,896	-1,149	
51.9%	-5,750	-6,927	-1,178	
53.1%	-5,848	-7,025	-1,176	
54.3%	-5,850	-7,186	-1,337	
55.6%	-5,967	-7,315	-1,347	
56.8%	-5,993	-7,338	-1,345	
58.0%	-6,102	-7,385	-1,284	
59.3%	-6,115	-7,437	-1,321	
60.5%	-6,125	-7,545	-1,420	
61.7%	-6,128	-7,725	-1,597	
63.0%	-6,346	-7,885	-1,539	
64.2%	-6,454	-7,893	-1,439	
65.4%	-6,465	-8,027	-1,563	
66.7%	-6,467	-8,054	-1,587	
67.9%	-6,787	-8,075	-1,288	
69.1%	-7,096	-8,310	-1,214	
70.4%	-7,276	-8,348	-1,072	
71.6%	-7,379	-8,501	-1,123	
72.8%	-7,560	-8,504	-945	
74.1%	-7,843	-8,593	-750	
75.3%	-7,946	-8,629	-683	
76.5%	-8,012	-8,734	-722	
77.8%	-8,126	-8,772	-647	
79.0%	-8,491	-8,934	-443	
80.2%	-8,676	-8,977	-301	
81.5%	-8,830	-9,096	-266	
82.7%	-9,045	-9,176	-130	
84.0%	-9,105	-9,239	-134	
85.2%	-9,180	-9,848	-668	
86.4%	-9,182	-9,899	-717	
87.7%	-9,899	-9,907	-8	
88.9%	-9,916	-9,916	0	
90.1%	-10,058	-10,058	0	
91.4%	-10,082	-10,082	0	
92.6%	-10,196	-10,196	0	
93.8%	-10,204	-10,204	0	
95.1%	-10,230	-10,230	0	
96.3%	-10,239	-10,240	0	
97.5%	-10,282	-10,277	4	
98.8%	-10,318	-10,282	37	
100.0%	-10,497	-10,318	179	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,594	5,487	-106	-1.9%
1.2%	-304	-357	-53	
2.5%	-621	-674	-52	
3.7%	-3,102	-914	2,188	
4.9%	-3,130	-1,606	1,525	
6.2%	-3,194	-2,852	341	
7.4%	-3,238	-3,343	-105	
8.6%	-4,099	-3,906	193	
9.9%	-4,489	-4,565	-77	
11.1%	-4,849	-4,826	23	
12.3%	-4,947	-5,029	-82	
13.6%	-5,061	-5,068	-7	
14.8%	-5,247	-5,126	121	
16.0%	-5,464	-5,152	312	
17.3%	-5,519	-5,500	19	
18.5%	-5,871	-5,517	354	
19.8%	-5,871	-5,613	258	
21.0%	-5,871	-5,794	77	
22.2%	-5,871	-5,871	0	
23.5%	-5,871	-5,871	0	
24.7%	-5,871	-5,871	0	
25.9%	-5,871	-5,871	0	
27.2%	-5,871	-5,871	0	
28.4%	-5,871	-5,871	0	
29.6%	-5,871	-5,871	0	
30.9%	-5,871	-5,871	0	
32.1%	-5,871	-5,871	0	
33.3%	-5,871	-5,871	0	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,977	-5,871	106	
50.6%	-6,389	-5,871	518	
51.9%	-6,497	-5,871	626	
53.1%	-6,574	-6,280	294	
54.3%	-6,784	-6,289	495	
55.6%	-6,813	-6,417	396	
56.8%	-7,107	-6,443	664	
58.0%	-7,177	-6,844	334	
59.3%	-7,507	-7,991	-484	
60.5%	-7,516	-8,042	-527	
61.7%	-7,607	-8,105	-499	
63.0%	-7,935	-8,171	-236	
64.2%	-7,955	-8,219	-264	
65.4%	-8,075	-8,457	-382	
66.7%	-8,232	-8,590	-358	
67.9%	-8,342	-8,747	-404	
69.1%	-8,375	-8,849	-474	
70.4%	-8,513	-8,887	-374	
71.6%	-8,547	-8,893	-346	
72.8%	-8,599	-9,051	-452	
74.1%	-8,676	-9,074	-398	
75.3%	-8,789	-9,222	-433	
76.5%	-8,794	-9,314	-520	
77.8%	-8,885	-9,400	-515	
79.0%	-8,887	-9,434	-547	
80.2%	-8,931	-9,495	-564	
81.5%	-9,175	-9,508	-332	
82.7%	-9,269	-9,511	-242	
84.0%	-9,495	-9,538	-42	
85.2%	-9,500	-9,558	-58	
86.4%	-9,511	-9,570	-59	
87.7%	-9,558	-9,653	-96	
88.9%	-9,654	-9,676	-22	
90.1%	-9,687	-9,683	4	
91.4%	-9,696	-9,687	9	
92.6%	-9,710	-9,696	15	
93.8%	-9,715	-9,710	4	
95.1%	-9,715	-9,715	0	
96.3%	-9,737	-9,715	22	
97.5%	-9,817	-9,717	100	
98.8%	-10,013	-9,737	276	
100.0%	-10,138	-9,817	321	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,020	24,987	-33	-0.1%
1.2%	8,268	8,014	-254	-3.1%
2.5%	-428	-453	-25	
3.7%	-585	-1,582	-997	
4.9%	-823	-2,823	-2,000	
6.2%	-1,398	-2,823	-1,425	
7.4%	-1,544	-2,823	-1,278	
8.6%	-1,625	-2,823	-1,198	
9.9%	-2,723	-2,823	-100	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823	0	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-3,046	-223	
22.2%	-2,823	-3,153	-330	
23.5%	-2,823	-3,344	-521	
24.7%	-2,823	-3,355	-532	
25.9%	-3,308	-3,355	-47	
27.2%	-3,355	-3,355	0	
28.4%	-3,355	-3,355	0	
29.6%	-3,355	-3,355	0	
30.9%	-3,355	-3,355	0	
32.1%	-3,355	-3,355	0	
33.3%	-3,355	-3,355	0	
34.6%	-3,355	-3,355	0	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,645	-290	
39.5%	-3,355	-4,347	-992	
40.7%	-3,355	-4,394	-1,039	
42.0%	-3,355	-4,710	-1,355	
43.2%	-3,617	-4,710	-1,093	
44.4%	-3,645	-4,710	-1,065	
45.7%	-3,756	-4,710	-953	
46.9%	-4,417	-4,710	-293	
48.1%	-4,533	-4,710	-176	
49.4%	-4,710	-4,710	0	
50.6%	-4,710	-4,710	0	
51.9%	-4,710	-4,710	0	
53.1%	-4,710	-4,710	0	
54.3%	-4,710	-4,710	0	
55.6%	-4,710	-4,710	0	
56.8%	-4,710	-4,710	0	
58.0%	-4,710	-4,855	-146	
59.3%	-4,710	-4,949	-239	
60.5%	-4,710	-5,000	-290	
61.7%	-4,710	-5,000	-290	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-5b
Old and Middle River, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,732	13,964	-768	-5.2%
1.2%	6,087	7,289	1,202	19.7%
2.5%	5,800	5,083	-717	-12.4%
3.7%	4,633	4,601	-32	-0.7%
4.9%	2,201	2,159	-42	-1.9%
6.2%	183	1,708	1,525	835.3%
7.4%	-162	-1,000	-839	
8.6%	-423	-1,037	-614	
9.9%	-750	-1,265	-515	
11.1%	-1,229	-1,531	-302	
12.3%	-1,531	-1,727	-196	
13.6%	-1,711	-2,027	-316	
14.8%	-2,027	-2,054	-27	
16.0%	-2,054	-2,233	-179	
17.3%	-2,233	-2,268	-35	
18.5%	-2,268	-2,636	-368	
19.8%	-2,629	-2,750	-121	
21.0%	-2,750	-2,750	0	
22.2%	-2,750	-2,750	0	
23.5%	-2,750	-2,750	0	
24.7%	-2,750	-2,750	0	
25.9%	-2,750	-2,750	0	
27.2%	-2,750	-2,776	-26	
28.4%	-2,776	-2,776	0	
29.6%	-2,776	-2,927	-151	
30.9%	-2,794	-2,931	-137	
32.1%	-2,931	-2,983	-52	
33.3%	-2,983	-3,139	-156	
34.6%	-3,161	-3,355	-193	
35.8%	-3,482	-3,500	-18	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,527	-3,873	-347	
46.9%	-3,823	-4,005	-182	
48.1%	-4,032	-4,107	-75	
49.4%	-4,081	-4,196	-116	
50.6%	-4,129	-4,196	-67	
51.9%	-4,196	-4,341	-144	
53.1%	-4,196	-4,392	-195	
54.3%	-4,207	-4,600	-392	
55.6%	-4,355	-4,603	-248	
56.8%	-4,480	-4,866	-386	
58.0%	-4,906	-5,000	-94	
59.3%	-4,979	-5,000	-21	
60.5%	-5,000	-5,000	0	
61.7%	-5,000	-5,000	0	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,361	24,330	-31	-0.1%
1.2%	8,574	8,293	-281	-3.3%
2.5%	8,324	7,647	-677	-8.1%
3.7%	5,081	5,050	-32	-0.6%
4.9%	2,271	2,095	-176	-7.7%
6.2%	-314	-314	0	
7.4%	-369	-364	5	
8.6%	-662	-837	-176	
9.9%	-735	-1,018	-283	
11.1%	-984	-1,022	-38	
12.3%	-1,115	-1,150	-36	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,269	-119	
16.0%	-1,269	-1,269	0	
17.3%	-1,269	-1,328	-59	
18.5%	-1,320	-1,369	-50	
19.8%	-1,328	-1,470	-142	
21.0%	-1,506	-1,506	0	
22.2%	-1,564	-1,566	-2	
23.5%	-1,566	-1,924	-358	
24.7%	-1,639	-2,024	-385	
25.9%	-1,919	-2,153	-234	
27.2%	-2,024	-2,469	-445	
28.4%	-2,823	-2,823	0	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,823	0	
33.3%	-3,333	-3,016	317	
34.6%	-3,500	-3,305	195	
35.8%	-3,500	-3,376	124	
37.0%	-3,500	-3,463	37	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,524	-3,500	24	
48.1%	-3,550	-3,500	50	
49.4%	-3,790	-3,500	290	
50.6%	-3,790	-3,500	290	
51.9%	-4,032	-3,500	532	
53.1%	-4,226	-3,790	435	
54.3%	-4,239	-3,790	449	
55.6%	-4,311	-4,226	85	
56.8%	-4,516	-4,261	255	
58.0%	-4,639	-4,451	188	
59.3%	-4,738	-4,454	284	
60.5%	-4,885	-4,516	369	
61.7%	-5,000	-4,548	452	
63.0%	-5,000	-4,643	357	
64.2%	-5,000	-4,662	338	
65.4%	-5,000	-4,782	218	
66.7%	-5,000	-4,973	27	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,818	4,800	-18	-0.4%
1.2%	4,653	4,619	-34	-0.7%
2.5%	4,471	4,454	-18	-0.4%
3.7%	4,361	4,326	-34	-0.8%
4.9%	4,264	4,246	-18	-0.4%
6.2%	3,850	3,832	-18	-0.5%
7.4%	3,408	3,390	-18	-0.5%
8.6%	2,984	2,967	-18	-0.6%
9.9%	2,951	2,951	0	0.0%
11.1%	2,686	2,669	-17	-0.6%
12.3%	2,666	2,648	-18	-0.7%
13.6%	2,368	2,358	-10	-0.4%
14.8%	2,058	2,049	-9	-0.4%
16.0%	2,026	2,008	-18	-0.9%
17.3%	1,933	1,933	0	0.0%
18.5%	1,680	1,680	0	0.0%
19.8%	1,615	1,598	-17	-1.1%
21.0%	1,580	1,580	0	0.0%
22.2%	1,568	1,568	0	0.0%
23.5%	1,531	1,531	0	0.0%
24.7%	1,509	1,509	0	0.0%
25.9%	1,505	1,486	-18	-1.2%
27.2%	1,434	1,434	0	0.0%
28.4%	1,395	1,396	1	0.1%
29.6%	1,378	1,378	0	0.0%
30.9%	1,312	1,312	0	0.0%
32.1%	1,261	1,261	0	0.0%
33.3%	1,188	1,188	0	0.0%
34.6%	1,172	1,172	0	0.0%
35.8%	1,098	1,098	0	0.0%
37.0%	1,042	1,042	0	0.0%
38.3%	1,035	1,035	0	0.0%
39.5%	913	913	0	0.0%
40.7%	843	842	0	0.0%
42.0%	766	766	0	0.0%
43.2%	757	757	0	0.0%
44.4%	745	745	0	0.0%
45.7%	641	641	0	0.0%
46.9%	605	605	0	0.0%
48.1%	570	569	0	0.0%
49.4%	559	559	0	0.0%
50.6%	533	533	0	0.0%
51.9%	505	505	0	0.0%
53.1%	472	472	0	0.0%
54.3%	280	198	-81	-29.1%
55.6%	163	163	0	-0.3%
56.8%	141	141	0	0.0%
58.0%	117	138	21	18.3%
59.3%	78	117	39	49.4%
60.5%	28	97	69	
61.7%	-53	78	131	
63.0%	-66	28	94	
64.2%	-80	-53	27	
65.4%	-98	-65	33	
66.7%	-170	-98	72	
67.9%	-201	-170	31	
69.1%	-206	-201	5	
70.4%	-219	-206	13	
71.6%	-276	-219	57	
72.8%	-309	-276	33	
74.1%	-315	-315	0	
75.3%	-319	-321	-2	
76.5%	-321	-362	-41	
77.8%	-362	-379	-17	
79.0%	-379	-438	-59	
80.2%	-438	-601	-163	
81.5%	-601	-718	-117	
82.7%	-718	-827	-109	
84.0%	-727	-954	-227	
85.2%	-827	-957	-130	
86.4%	-864	-978	-114	
87.7%	-957	-989	-32	
88.9%	-978	-1,047	-69	
90.1%	-987	-1,111	-124	
91.4%	-989	-1,119	-131	
92.6%	-1,119	-1,120	-1	
93.8%	-1,119	-1,128	-9	
95.1%	-1,150	-1,150	0	
96.3%	-1,150	-1,150	0	
97.5%	-1,150	-1,150	0	
98.8%	-1,287	-1,286	1	
100.0%	-1,380	-1,380	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,937	3,911	-25	-0.6%
1.2%	3,848	3,822	-26	-0.7%
2.5%	3,813	3,710	-104	-2.7%
3.7%	3,673	3,647	-26	-0.7%
4.9%	2,846	2,821	-26	-0.9%
6.2%	2,802	2,776	-26	-0.9%
7.4%	2,008	1,983	-25	-1.2%
8.6%	1,929	1,902	-26	-1.4%
9.9%	1,865	1,844	-20	-1.1%
11.1%	1,840	1,759	-81	-4.4%
12.3%	1,759	1,728	-31	-1.8%
13.6%	1,687	1,661	-25	-1.5%
14.8%	1,474	1,448	-25	-1.7%
16.0%	1,253	1,254	0	0.0%
17.3%	1,220	1,195	-24	-2.0%
18.5%	940	926	-14	-1.5%
19.8%	884	884	0	0.0%
21.0%	832	818	-13	-1.6%
22.2%	751	751	0	0.0%
23.5%	659	659	0	0.0%
24.7%	627	626	-1	-0.1%
25.9%	621	621	0	0.0%
27.2%	617	617	-1	-0.1%
28.4%	581	572	-9	-1.5%
29.6%	572	544	-28	-4.9%
30.9%	543	543	0	-0.1%
32.1%	518	518	0	0.0%
33.3%	454	454	0	0.0%
34.6%	431	431	0	0.1%
35.8%	422	421	-1	-0.2%
37.0%	409	410	0	0.0%
38.3%	383	383	0	0.0%
39.5%	370	370	0	0.0%
40.7%	313	314	1	0.4%
42.0%	275	275	0	0.0%
43.2%	260	260	-1	-0.3%
44.4%	256	256	0	0.0%
45.7%	231	231	0	0.0%
46.9%	227	227	0	-0.1%
48.1%	76	38	-38	-49.6%
49.4%	35	35	-1	-1.7%
50.6%	0	0	0	
51.9%	-11	-10	1	
53.1%	-88	-88	0	
54.3%	-89	-89	0	
55.6%	-137	-137	0	
56.8%	-159	-159	0	
58.0%	-202	-213	-11	
59.3%	-214	-277	-63	
60.5%	-277	-280	-3	
61.7%	-280	-312	-33	
63.0%	-312	-332	-19	
64.2%	-332	-335	-3	
65.4%	-335	-363	-28	
66.7%	-365	-365	0	
67.9%	-400	-400	0	
69.1%	-435	-440	-4	
70.4%	-441	-444	-4	
71.6%	-444	-478	-34	
72.8%	-478	-481	-3	
74.1%	-481	-506	-24	
75.3%	-506	-559	-53	
76.5%	-559	-586	-27	
77.8%	-586	-619	-33	
79.0%	-619	-620	-1	
80.2%	-620	-667	-46	
81.5%	-667	-827	-161	
82.7%	-715	-864	-149	
84.0%	-752	-932	-179	
85.2%	-827	-986	-159	
86.4%	-983	-1,008	-25	
87.7%	-1,008	-1,063	-54	
88.9%	-1,093	-1,093	0	
90.1%	-1,116	-1,125	-9	
91.4%	-1,126	-1,150	-25	
92.6%	-1,150	-1,150	0	
93.8%	-1,150	-1,150	0	
95.1%	-1,150	-1,150	0	
96.3%	-1,435	-1,150	284	
97.5%	-1,590	-1,434	156	
98.8%	-1,675	-1,480	195	
100.0%	-1,737	-1,591	147	

Table SW-35-5b
Old and Middle River, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,633	1,547	-86	-5.3%
1.2%	-495	-553	-58	
2.5%	-1,557	-1,498	60	
3.7%	-1,773	-1,773	0	
4.9%	-1,801	-1,801	0	
6.2%	-1,812	-1,811	0	
7.4%	-1,952	-1,956	-4	
8.6%	-1,958	-2,032	-74	
9.9%	-2,033	-2,051	-18	
11.1%	-2,054	-2,054	0	
12.3%	-2,069	-2,068	1	
13.6%	-2,070	-2,070	0	
14.8%	-2,122	-2,097	25	
16.0%	-2,302	-2,122	181	
17.3%	-2,308	-2,270	38	
18.5%	-2,308	-2,305	4	
19.8%	-2,314	-2,308	6	
21.0%	-2,650	-2,309	342	
22.2%	-2,847	-2,314	533	
23.5%	-3,163	-2,336	827	
24.7%	-3,371	-2,707	663	
25.9%	-3,500	-2,968	532	
27.2%	-3,500	-3,268	232	
28.4%	-3,500	-3,479	21	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-4,014	-3,500	514	
58.0%	-4,105	-3,500	605	
59.3%	-4,128	-4,074	54	
60.5%	-4,435	-4,364	72	
61.7%	-4,489	-4,405	84	
63.0%	-4,730	-4,493	237	
64.2%	-4,833	-4,818	15	
65.4%	-5,000	-4,834	166	
66.7%	-5,000	-4,907	93	
67.9%	-5,000	-4,931	69	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,478	-1,499	-21	
1.2%	-1,775	-3,277	-1,502	
2.5%	-2,421	-3,444	-1,023	
3.7%	-3,257	-4,033	-777	
4.9%	-3,424	-4,353	-930	
6.2%	-4,398	-5,317	-919	
7.4%	-5,587	-5,608	-21	
8.6%	-5,781	-5,828	-47	
9.9%	-6,148	-6,053	95	
11.1%	-6,329	-6,071	258	
12.3%	-7,599	-6,502	1,097	
13.6%	-7,698	-7,599	99	
14.8%	-7,722	-7,645	76	
16.0%	-7,774	-7,774	0	
17.3%	-7,814	-7,835	-21	
18.5%	-7,940	-8,042	-102	
19.8%	-8,167	-8,167	0	
21.0%	-8,608	-8,420	188	
22.2%	-8,721	-8,720	1	
23.5%	-8,847	-8,848	0	
24.7%	-9,024	-9,070	-46	
25.9%	-9,092	-9,092	1	
27.2%	-9,152	-9,152	0	
28.4%	-9,164	-9,224	-60	
29.6%	-9,230	-9,230	0	
30.9%	-9,373	-9,504	-131	
32.1%	-9,549	-9,550	-1	
33.3%	-9,682	-9,617	65	
34.6%	-9,688	-9,689	-2	
35.8%	-9,709	-9,746	-37	
37.0%	-9,771	-9,757	14	
38.3%	-9,779	-9,959	-180	
39.5%	-9,872	-9,980	-108	
40.7%	-10,055	-10,093	-38	
42.0%	-10,095	-10,115	-21	
43.2%	-10,101	-10,136	-36	
44.4%	-10,116	-10,141	-24	
45.7%	-10,135	-10,154	-18	
46.9%	-10,248	-10,196	53	
48.1%	-10,251	-10,248	3	
49.4%	-10,420	-10,257	163	
50.6%	-10,473	-10,281	192	
51.9%	-10,585	-10,288	297	
53.1%	-10,596	-10,360	236	
54.3%	-10,617	-10,610	7	
55.6%	-10,643	-10,661	-18	
56.8%	-10,671	-10,767	-97	
58.0%	-10,733	-10,786	-53	
59.3%	-10,740	-10,792	-52	
60.5%	-10,775	-10,803	-28	
61.7%	-10,812	-10,813	-1	
63.0%	-10,885	-10,840	44	
64.2%	-10,929	-10,874	55	
65.4%	-10,969	-10,885	84	
66.7%	-10,983	-10,895	88	
67.9%	-11,030	-10,941	89	
69.1%	-11,037	-10,970	67	
70.4%	-11,043	-11,013	30	
71.6%	-11,063	-11,094	-31	
72.8%	-11,081	-11,103	-22	
74.1%	-11,102	-11,174	-72	
75.3%	-11,175	-11,199	-24	
76.5%	-11,198	-11,205	-7	
77.8%	-11,201	-11,205	-4	
79.0%	-11,217	-11,219	-2	
80.2%	-11,218	-11,244	-26	
81.5%	-11,218	-11,270	-51	
82.7%	-11,222	-11,329	-107	
84.0%	-11,264	-11,343	-79	
85.2%	-11,271	-11,363	-91	
86.4%	-11,329	-11,401	-72	
87.7%	-11,352	-11,418	-66	
88.9%	-11,366	-11,454	-87	
90.1%	-11,400	-11,456	-56	
91.4%	-11,417	-11,459	-41	
92.6%	-11,486	-11,486	0	
93.8%	-11,487	-11,486	1	
95.1%	-11,536	-11,499	36	
96.3%	-11,570	-11,509	61	
97.5%	-11,603	-11,587	16	
98.8%	-11,637	-11,648	-11	
100.0%	-11,709	-11,687	23	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,197	-1,306	-109	
1.2%	-1,220	-2,327	-1,108	
2.5%	-1,306	-3,342	-2,036	
3.7%	-1,376	-3,473	-2,097	
4.9%	-1,671	-3,694	-2,024	
6.2%	-2,153	-5,137	-2,984	
7.4%	-2,561	-5,264	-2,704	
8.6%	-3,181	-5,443	-2,262	
9.9%	-3,873	-6,708	-2,835	
11.1%	-4,043	-6,754	-2,711	
12.3%	-4,481	-6,849	-2,368	
13.6%	-5,592	-7,060	-1,468	
14.8%	-6,334	-7,135	-801	
16.0%	-7,005	-7,290	-285	
17.3%	-7,136	-7,402	-266	
18.5%	-7,290	-7,519	-229	
19.8%	-7,403	-7,669	-267	
21.0%	-7,795	-7,725	71	
22.2%	-8,517	-7,755	762	
23.5%	-8,561	-8,161	400	
24.7%	-8,634	-9,016	-382	
25.9%	-9,141	-9,293	-151	
27.2%	-9,292	-9,414	-122	
28.4%	-9,658	-9,621	37	
29.6%	-9,757	-9,757	0	
30.9%	-9,807	-9,780	27	
32.1%	-9,841	-9,807	35	
33.3%	-9,874	-9,874	0	
34.6%	-9,941	-9,976	-35	
35.8%	-9,976	-10,154	-178	
37.0%	-10,071	-10,171	-100	
38.3%	-10,171	-10,261	-91	
39.5%	-10,220	-10,280	-60	
40.7%	-10,281	-10,352	-71	
42.0%	-10,451	-10,453	-2	
43.2%	-10,453	-10,491	-37	
44.4%	-10,492	-10,541	-49	
45.7%	-10,540	-10,558	-18	
46.9%	-10,558	-10,562	-3	
48.1%	-10,562	-10,576	-14	
49.4%	-10,576	-10,608	-32	
50.6%	-10,580	-10,614	-35	
51.9%	-10,633	-10,633	0	
53.1%	-10,635	-10,644	-9	
54.3%	-10,642	-10,680	-38	
55.6%	-10,679	-10,688	-8	
56.8%	-10,696	-10,690	6	
58.0%	-10,699	-10,695	4	
59.3%	-10,709	-10,699	10	
60.5%	-10,752	-10,709	43	
61.7%	-10,761	-10,752	9	
63.0%	-10,777	-10,759	19	
64.2%	-10,795	-10,770	25	
65.4%	-10,822	-10,804	18	
66.7%	-10,828	-10,805	23	
67.9%	-10,841	-10,841	0	
69.1%	-10,851	-10,868	-17	
70.4%	-10,857	-10,899	-42	
71.6%	-10,870	-10,931	-61	
72.8%	-10,903	-10,945	-42	
74.1%	-10,926	-10,976	-49	
75.3%	-10,947	-10,988	-40	
76.5%	-10,986	-11,006	-20	
77.8%	-11,015	-11,041	-26	
79.0%	-11,058	-11,067	-9	
80.2%	-11,059	-11,072	-13	
81.5%	-11,071	-11,092	-21	
82.7%	-11,073	-11,099	-26	
84.0%	-11,090	-11,129	-39	
85.2%	-11,092	-11,130	-38	
86.4%	-11,105	-11,134	-29	
87.7%	-11,129	-11,144	-16	
88.9%	-11,131	-11,148	-18	
90.1%	-11,135	-11,158	-23	
91.4%	-11,160	-11,163	-3	
92.6%	-11,173	-11,187	-15	
93.8%	-11,217	-11,191	26	
95.1%	-11,227	-11,223	5	
96.3%	-11,242	-11,242	0	
97.5%	-11,258	-11,258	1	
98.8%	-11,277	-11,268	8	
100.0%	-11,299	-11,300	0	

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative B Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,142	-3,688	-545	
1.2%	-3,217	-3,725	-508	
2.5%	-3,443	-4,016	-573	
3.7%	-3,725	-4,128	-403	
4.9%	-3,888	-4,137	-249	
6.2%	-3,943	-4,428	-485	
7.4%	-4,003	-4,431	-428	
8.6%	-4,096	-6,307	-2,211	
9.9%	-4,128	-6,688	-2,560	
11.1%	-4,137	-6,943	-2,806	
12.3%	-4,220	-7,304	-3,084	
13.6%	-4,381	-7,381	-3,000	
14.8%	-4,417	-7,547	-3,130	
16.0%	-4,441	-7,555	-3,114	
17.3%	-4,522	-7,844	-3,322	
18.5%	-5,511	-8,001	-2,489	
19.8%	-5,534	-8,060	-2,526	
21.0%	-5,640	-8,098	-2,458	
22.2%	-6,091	-8,114	-2,023	
23.5%	-6,250	-8,115	-1,865	
24.7%	-6,685	-8,150	-1,465	
25.9%	-6,745	-8,166	-1,421	
27.2%	-6,915	-8,167	-1,252	
28.4%	-6,968	-8,210	-1,242	
29.6%	-6,996	-8,232	-1,237	
30.9%	-7,151	-8,245	-1,094	
32.1%	-7,188	-8,252	-1,065	
33.3%	-7,314	-8,303	-989	
34.6%	-7,547	-8,327	-779	
35.8%	-7,636	-8,350	-715	
37.0%	-7,797	-8,365	-568	
38.3%	-7,844	-8,446	-602	
39.5%	-7,922	-8,562	-640	
40.7%	-7,961	-8,569	-609	
42.0%	-7,979	-8,575	-596	
43.2%	-8,059	-8,593	-534	
44.4%	-8,075	-8,612	-537	
45.7%	-8,098	-8,769	-671	
46.9%	-8,165	-8,805	-641	
48.1%	-8,210	-8,813	-603	
49.4%	-8,244	-8,861	-618	
50.6%	-8,254	-8,893	-638	
51.9%	-8,287	-8,945	-658	
53.1%	-8,313	-8,963	-650	
54.3%	-8,377	-9,015	-637	
55.6%	-8,396	-9,023	-627	
56.8%	-8,506	-9,063	-557	
58.0%	-8,555	-9,067	-512	
59.3%	-8,562	-9,149	-587	
60.5%	-8,604	-9,168	-564	
61.7%	-8,710	-9,480	-770	
63.0%	-8,739	-9,488	-749	
64.2%	-8,877	-9,489	-612	
65.4%	-8,884	-9,507	-624	
66.7%	-8,969	-9,584	-615	
67.9%	-8,994	-9,630	-636	
69.1%	-9,008	-9,681	-673	
70.4%	-9,015	-9,759	-744	
71.6%	-9,205	-9,801	-596	
72.8%	-9,402	-9,801	-399	
74.1%	-9,496	-9,807	-312	
75.3%	-9,496	-9,836	-340	
76.5%	-9,554	-9,892	-338	
77.8%	-9,584	-9,901	-317	
79.0%	-9,704	-9,906	-202	
80.2%	-9,775	-9,910	-135	
81.5%	-9,831	-9,973	-142	
82.7%	-9,836	-9,986	-150	
84.0%	-9,906	-9,987	-81	
85.2%	-9,910	-10,003	-94	
86.4%	-9,926	-10,022	-95	
87.7%	-9,931	-10,050	-119	
88.9%	-9,986	-10,053	-67	
90.1%	-10,022	-10,065	-44	
91.4%	-10,066	-10,083	-18	
92.6%	-10,095	-10,098	-3	
93.8%	-10,097	-10,119	-22	
95.1%	-10,122	-10,123	0	
96.3%	-10,204	-10,221	-17	
97.5%	-10,221	-10,245	-25	
98.8%	-10,351	-10,396	-45	
100.0%	-10,396	-10,468	-72	

Table SW-36-5a

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,735	6,772	9,003	6,607	7,090	6,641	2,103	2,223	4,939	10,439	9,862	8,678
Alternative B	7,353	7,772	8,993	6,832	7,156	6,612	2,111	2,227	4,860	10,485	10,219	9,607
Difference	619	1,000	-10	225	66	-29	8	4	-79	46	356	929
Percent Difference[3]	9.2%	14.8%	-0.1%	3.4%	0.9%	-0.4%	0.4%	0.2%	-1.6%	0.4%	3.6%	10.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,183	6,578	10,254	7,946	9,341	9,359	2,920	3,449	7,640	11,445	11,719	9,931
Alternative B	8,721	7,686	10,478	7,971	9,335	9,421	2,914	3,445	7,633	11,407	11,602	10,927
Difference	1,538	1,108	223	25	-5	63	-6	-4	-7	-38	-117	995
Percent Difference	21.4%	16.9%	2.2%	0.3%	-0.1%	0.7%	-0.2%	-0.1%	-0.1%	-0.3%	-1.0%	10.0%
Above Normal (15%)												
No Action Alternative	7,375	6,792	9,859	6,599	6,900	7,872	1,809	1,674	6,108	10,671	11,642	9,471
Alternative B	8,004	8,426	9,761	6,721	6,964	7,748	1,804	1,668	6,001	10,968	11,606	10,548
Difference	629	1,634	-98	122	64	-125	-5	-6	-107	297	-36	1,077
Percent Difference	8.5%	24.1%	-1.0%	1.8%	0.9%	-1.6%	-0.3%	-0.3%	-1.8%	2.8%	-0.3%	11.4%
Below Normal (17%)												
No Action Alternative	7,868	9,015	8,928	6,246	6,778	6,701	1,733	1,669	4,085	11,150	10,734	9,450
Alternative B	8,280	9,482	9,026	6,246	6,704	6,660	1,731	1,667	4,049	10,984	10,531	9,712
Difference	412	467	97	0	-74	-41	-2	-2	-37	-166	-203	262
Percent Difference	5.2%	5.2%	1.1%	0.0%	-1.1%	-0.6%	-0.1%	-0.1%	-0.9%	-1.5%	-1.9%	2.8%
Dry (22%)												
No Action Alternative	6,323	7,163	7,795	6,153	5,885	4,268	1,746	1,731	3,014	10,801	9,449	8,152
Alternative B	6,414	8,089	8,141	6,469	5,835	4,233	1,752	1,666	2,814	10,877	10,281	9,178
Difference	91	926	346	316	-50	-35	6	-65	-200	75	832	1,027
Percent Difference	1.4%	12.9%	4.4%	5.1%	-0.9%	-0.8%	0.3%	-3.8%	-6.6%	0.7%	8.8%	12.6%
Critical (15%)												
No Action Alternative	4,418	3,971	7,334	4,817	4,576	3,009	1,593	1,498	1,800	6,656	3,661	5,058
Alternative B	4,066	4,835	6,245	5,705	5,139	2,898	1,658	1,640	1,729	6,835	5,376	6,328
Difference	-352	864	-1,089	888	563	-110	65	142	-71	179	1,715	1,270
Percent Difference	-8.0%	21.8%	-14.9%	18.4%	12.3%	-3.7%	4.1%	9.5%	-4.0%	2.7%	46.9%	25.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-36-5b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

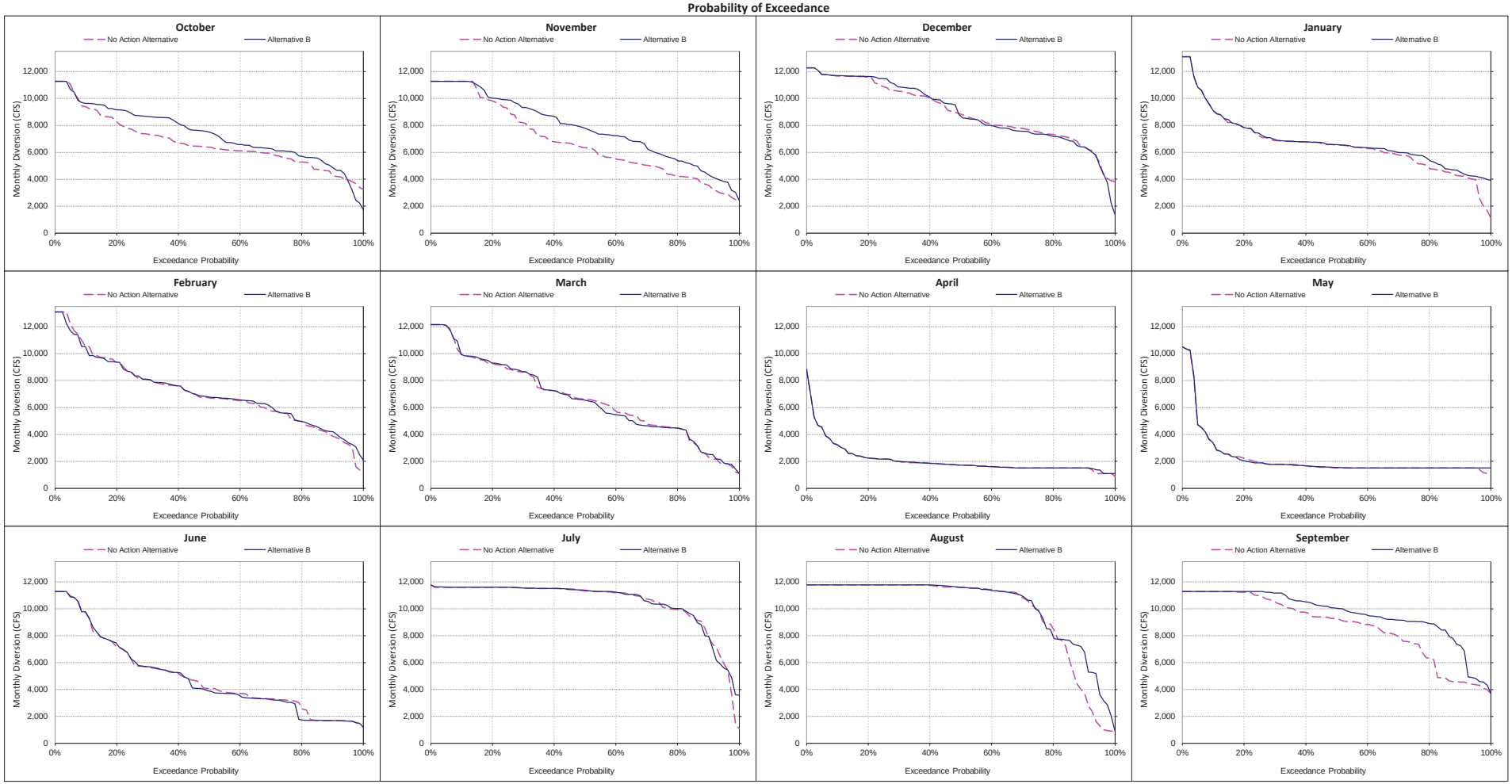

Table SW-36-5b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,073	10,683	-390	-3.5%
6.2%	10,423	10,480	57	0.5%
7.4%	10,001	9,877	-125	-1.2%
8.6%	9,442	9,709	267	2.8%
9.9%	9,380	9,636	255	2.7%
11.1%	9,246	9,629	383	4.1%
12.3%	9,225	9,611	386	4.2%
13.6%	9,120	9,554	434	4.8%
14.8%	8,737	9,531	794	9.1%
16.0%	8,668	9,494	826	9.5%
17.3%	8,630	9,261	631	7.3%
18.5%	8,586	9,260	674	7.9%
19.8%	8,311	9,168	857	10.3%
21.0%	8,063	9,155	1,092	13.5%
22.2%	7,938	9,114	1,176	14.8%
23.5%	7,785	9,039	1,254	16.1%
24.7%	7,729	8,904	1,175	15.2%
25.9%	7,578	8,754	1,176	15.5%
27.2%	7,424	8,729	1,305	17.6%
28.4%	7,389	8,699	1,311	17.7%
29.6%	7,375	8,668	1,293	17.5%
30.9%	7,319	8,636	1,317	18.0%
32.1%	7,270	8,622	1,352	18.6%
33.3%	7,259	8,600	1,341	18.5%
34.6%	7,157	8,587	1,430	20.0%
35.8%	7,077	8,576	1,498	21.2%
37.0%	7,062	8,552	1,489	21.1%
38.3%	6,850	8,398	1,548	22.6%
39.5%	6,715	8,213	1,497	22.3%
40.7%	6,667	8,050	1,383	20.7%
42.0%	6,641	7,978	1,337	20.1%
43.2%	6,506	7,721	1,215	18.7%
44.4%	6,471	7,659	1,187	18.3%
45.7%	6,455	7,631	1,176	18.2%
46.9%	6,446	7,630	1,184	18.4%
48.1%	6,424	7,572	1,149	17.9%
49.4%	6,393	7,516	1,124	17.6%
50.6%	6,375	7,461	1,086	17.0%
51.9%	6,266	7,357	1,091	17.4%
53.1%	6,259	7,157	898	14.4%
54.3%	6,227	6,926	700	11.2%
55.6%	6,179	6,738	560	9.1%
56.8%	6,165	6,729	564	9.2%
58.0%	6,146	6,673	527	8.6%
59.3%	6,099	6,586	486	8.0%
60.5%	6,098	6,579	481	7.9%
61.7%	6,080	6,523	443	7.3%
63.0%	6,074	6,513	439	7.2%
64.2%	6,069	6,367	298	4.9%
65.4%	6,023	6,356	333	5.5%
66.7%	5,966	6,351	385	6.5%
67.9%	5,948	6,309	361	6.1%
69.1%	5,929	6,300	370	6.2%
70.4%	5,878	6,254	376	6.4%
71.6%	5,740	6,116	376	6.5%
72.8%	5,714	6,099	385	6.7%
74.1%	5,604	6,098	494	8.8%
75.3%	5,533	6,074	541	9.8%
76.5%	5,504	6,047	543	9.9%
77.8%	5,310	6,001	691	13.0%
79.0%	5,280	5,726	446	8.4%
80.2%	5,271	5,685	414	7.9%
81.5%	5,260	5,620	359	6.8%
82.7%	5,148	5,610	462	9.0%
84.0%	4,753	5,590	838	17.6%
85.2%	4,737	5,555	818	17.3%
86.4%	4,691	5,383	692	14.7%
87.7%	4,634	5,148	514	11.1%
88.9%	4,619	5,055	436	9.4%
90.1%	4,240	4,845	605	14.3%
91.4%	4,197	4,659	461	11.0%
92.6%	4,163	4,648	485	11.6%
93.8%	4,021	4,410	389	9.7%
95.1%	3,955	3,820	-135	-3.4%
96.3%	3,833	3,211	-622	-16.2%
97.5%	3,665	2,425	-1,241	-33.9%
98.8%	3,381	2,227	-1,154	-34.1%
100.0%	3,240	1,713	-1,527	-47.1%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,199	-81	-0.7%
14.8%	10,754	11,044	290	2.7%
16.0%	10,066	10,865	798	7.9%
17.3%	10,065	10,626	561	5.6%
18.5%	9,911	10,127	216	2.2%
19.8%	9,845	10,031	186	1.9%
21.0%	9,719	10,012	293	3.0%
22.2%	9,589	9,966	377	3.9%
23.5%	9,358	9,908	551	5.9%
24.7%	9,297	9,902	604	6.5%
25.9%	8,846	9,878	1,032	11.7%
27.2%	8,784	9,692	908	10.3%
28.4%	8,246	9,586	1,340	16.3%
29.6%	8,216	9,327	1,111	13.5%
30.9%	8,117	9,327	1,210	14.9%
32.1%	7,740	9,228	1,489	19.2%
33.3%	7,689	9,145	1,457	18.9%
34.6%	7,262	9,008	1,746	24.0%
35.8%	7,188	8,832	1,645	22.9%
37.0%	7,155	8,770	1,615	22.6%
38.3%	6,954	8,728	1,775	25.5%
39.5%	6,811	8,681	1,869	27.4%
40.7%	6,764	8,600	1,837	27.2%
42.0%	6,723	8,138	1,415	21.1%
43.2%	6,700	8,127	1,427	21.3%
44.4%	6,694	8,060	1,366	20.4%
45.7%	6,654	8,045	1,391	20.9%
46.9%	6,501	7,999	1,498	23.0%
48.1%	6,440	7,924	1,485	23.1%
49.4%	6,347	7,832	1,485	23.4%
50.6%	6,338	7,733	1,395	22.0%
51.9%	6,325	7,621	1,296	20.5%
53.1%	6,165	7,500	1,335	21.7%
54.3%	5,831	7,360	1,529	26.2%
55.6%	5,751	7,351	1,600	27.8%
56.8%	5,638	7,310	1,672	29.7%
58.0%	5,611	7,296	1,684	30.0%
59.3%	5,589	7,242	1,653	29.6%
60.5%	5,467	7,232	1,765	32.3%
61.7%	5,452	7,162	1,710	31.4%
63.0%	5,415	7,149	1,734	32.0%
64.2%	5,279	6,908	1,629	30.9%
65.4%	5,220	6,831	1,611	30.9%
66.7%	5,187	6,806	1,619	31.2%
67.9%	5,169	6,794	1,625	31.4%
69.1%	5,057	6,645	1,588	31.4%
70.4%	5,037	6,229	1,193	23.7%
71.6%	4,983	6,102	1,119	22.4%
72.8%	4,961	5,976	1,015	20.5%
74.1%	4,868	5,908	1,040	21.4%
75.3%	4,772	5,782	1,010	21.2%
76.5%	4,399	5,665	1,267	28.8%
77.8%	4,361	5,600	1,239	28.4%
79.0%	4,284	5,519	1,234	28.8%
80.2%	4,208	5,353	1,144	27.2%
81.5%	4,194	5,350	1,155	27.5%
82.7%	4,167	5,226	1,058	25.4%
84.0%	4,144	5,169	1,025	24.7%
85.2%	4,093	5,042	949	23.2%
86.4%	4,033	4,985	951	23.6%
87.7%	3,712	4,614	902	24.3%
88.9%	3,630	4,519	890	24.5%
90.1%	3,533	4,319	786	22.2%
91.4%	3,251	4,145	894	27.5%
92.6%	3,120	4,050	930	29.8%
93.8%	2,970	3,913	943	31.8%
95.1%	2,925	3,832	907	31.0%
96.3%	2,879	3,767	888	30.8%
97.5%	2,633	3,173	540	20.5%
98.8%	2,479	3,033	554	22.3%
100.0%	2,402	2,420	18	0.7%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,092	12,092	0	0.0%
4.9%	11,781	11,781	0	0.0%
6.2%	11,770	11,770	0	0.0%
7.4%	11,699	11,746	47	0.4%
8.6%	11,697	11,699	2	0.0%
9.9%	11,669	11,697	28	0.2%
11.1%	11,667	11,692	25	0.2%
12.3%	11,666	11,691	25	0.2%
13.6%	11,646	11,667	21	0.2%
14.8%	11,643	11,666	23	0.2%
16.0%	11,641	11,646	5	0.0%
17.3%	11,634	11,643	9	0.1%
18.5%	11,622	11,641	19	0.2%
19.8%	11,579	11,634	55	0.5%
21.0%	11,574	11,622	48	0.4%
22.2%	11,136	11,599	463	4.2%
23.5%	11,055	11,486	431	3.9%
24.7%	10,898	11,469	571	5.2%
25.9%	10,815	11,453	638	5.9%
27.2%	10,595	11,175	580	5.5%
28.4%	10,586	11,085	499	4.7%
29.6%	10,548	10,856	309	2.9%
30.9%	10,522	10,837	315	3.0%
32.1%	10,416	10,792	375	3.6%
33.3%	10,395	10,769	374	3.6%
34.6%	10,270	10,761	491	4.8%
35.8%	10,194	10,707	513	5.0%
37.0%	10,192	10,540	347	3.4%
38.3%	10,169	10,296	128	1.3%
39.5%	10,086	10,159	72	0.7%
40.7%	9,951	9,951	0	0.0%
42.0%	9,766	9,922	155	1.6%
43.2%	9,649	9,895	246	2.5%
44.4%	9,572	9,670	99	1.0%
45.7%	9,134	9,620	486	5.3%
46.9%	9,051	9,599	549	6.1%
48.1%	8,989	9,531	543	6.0%
49.4%	8,879	8,803	-76	-0.9%
50.6%	8,803	8,566	-237	-2.7%
51.9%	8,629	8,512	-117	-1.4%
53.1%	8,566	8,468	-98	-1.1%
54.3%	8,468	8,458	-10	-0.1%
55.6%	8,416	8,416	0	0.0%
56.8%	8,401	8,193	-208	-2.5%
58.0%	8,193	8,009	-184	-2.2%
59.3%	8,160	8,006	-153	-1.9%
60.5%	8,009	7,952	-57	-0.7%
61.7%	8,006	7,886	-120	-1.5%
63.0%	7,983	7,809	-174	-2.2%
64.2%	7,952	7,799	-153	-1.9%
65.4%	7,928	7,772	-155	-2.0%
66.7%	7,886	7,659	-227	-2.9%
67.9%	7,809	7,601	-208	-2.7%
69.1%	7,799	7,577	-222	-2.9%
70.4%	7,772	7,566	-207	-2.7%
71.6%	7,690	7,551	-139	-1.8%
72.8%	7,659	7,420	-238	-3.1%
74.1%	7,551	7,349	-202	-2.7%
75.3%	7,507	7,349	-158	-2.1%
76.5%	7,420	7,342	-78	-1.1%
77.8%	7,349	7,318	-31	-0.4%
79.0%	7,349	7,244	-105	-1.4%
80.2%	7,318	7,171	-147	-2.0%
81.5%	7,248	7,166	-82	-1.1%
82.7%	7,171	7,063	-109	-1.5%
84.0%	7,166	6,975	-191	-2.7%
85.2%	7,063	6,863	-200	-2.8%
86.4%	6,975	6,824	-151	-2.2%
87.7%	6,830	6,505	-324	-4.7%
88.9%	6,433	6,411	-22	-0.3%
90.1%	6,390	6,398	8	0.1%
91.4%	6,202	6,218	16	0.3%
92.6%	6,132	6,014	-118	-1.9%
93.8%	5,683	5,783	100	1.8%
95.1%	5,197	4,975	-222	-4.3%
96.3%	4,271	4,383	112	2.6%
97.5%	4,055	3,750	-305	-7.5%
98.8%	3,879	2,199	-1,680	-43.3%
100.0%	3,841	1,376	-2,465	-64.2%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	11,657	11,629	-27	-0.2%
4.9%	10,826	10,830	4	0.0%
6.2%	10,620	10,594	-27	-0.3%
7.4%	10,038	10,010	-27	-0.3%
8.6%	9,614	9,587	-27	-0.3%
9.9%	9,129	9,129	0	0.0%
11.1%	8,876	8,850	-27	-0.3%
12.3%	8,807	8,780	-27	-0.3%
13.6%	8,501	8,501	0	0.0%
14.8%	8,210	8,442	232	2.8%
16.0%	8,209	8,182	-27	-0.3%
17.3%	8,125	8,125	0	0.0%
18.5%	8,020	8,020	0	0.0%
19.8%	7,868	7,868	0	0.0%
21.0%	7,775	7,776	1	0.0%
22.2%	7,760	7,760	0	0.0%
23.5%	7,458	7,458	0	0.0%
24.7%	7,229	7,424	194	2.7%
25.9%	7,107	7,230	123	1.7%
27.2%	7,090	7,107	17	0.2%
28.4%	6,978	7,090	111	1.6%
29.6%	6,884	6,978	94	1.4%
30.9%	6,852	6,884	32	0.5%
32.1%	6,848	6,852	5	0.1%
33.3%	6,828	6,848	19	0.3%
34.6%	6,819	6,828	9	0.1%
35.8%	6,794	6,819	25	0.4%
37.0%	6,785	6,794	9	0.1%
38.3%	6,779	6,785	6	0.1%
39.5%	6,772	6,779	6	0.1%
40.7%	6,749	6,773	23	0.3%
42.0%	6,748	6,749	1	0.0%
43.2%	6,740	6,748	7	0.1%
44.4%	6,702	6,740	38	0.6%
45.7%	6,597	6,702	106	1.6%
46.9%	6,583	6,597	14	0.2%
48.1%	6,571	6,583	12	0.2%
49.4%	6,567	6,571	3	0.1%
50.6%	6,537	6,567	30	0.5%
51.9%	6,520	6,537	17	0.3%
53.1%	6,492	6,520	28	0.4%
54.3%	6,453	6,492	39	0.6%
55.6%	6,381	6,381	0	0.0%
56.8%	6,372	6,378	5	0.1%
58.0%	6,323	6,372	49	0.8%
59.3%	6,303	6,372	69	1.1%
60.5%	6,285	6,323	38	0.6%
61.7%	6,284	6,303	19	0.3%
63.0%	6,121	6,294	174	2.8%
64.2%	6,112	6,285	173	2.8%
65.4%	5,972	6,283	311	5.2%
66.7%	5,960	6,121	160	2.7%
67.9%	5,936	6,112	175	3.0%
69.1%	5,866	6,024	158	2.7%
70.4%	5,788	5,972	185	3.2%
71.6%	5,760	5,969	209	3.6%
72.8%	5,746	5,960	214	3.7%
74.1%	5,607	5,842	235	4.2%
75.3%	5,269	5,800	532	10.1%
76.5%	5,152	5,760	608	11.8%
77.8%	5,126	5,746	620	12.1%
79.0%	5,044	5,607	563	11.2%
80.2%	4,774	5,381	606	12.7%
81.5%	4,747	5,269	522	11.0%
82.7%	4,692	5,126	434	9.3%
84.0%	4,677	5,044	366	7.8%
85.2%	4,537	4,774	238	5.2%
86.4%	4,521	4,747	225	5.0%
87.7%	4,373	4,692	319	7.3%
88.9%	4,272	4,677	406	9.5%
90.1%	4,242	4,521	279	6.6%
91.4%	4,220	4,373	153	3.6%
92.6%	4,095	4,271	176	4.3%
93.8%	4,007	4,242	235	5.9%
95.1%	3,985	4,219	234	5.9%
96.3%	2,591	4,151	1,560	60.2%
97.5%	2,015	4,095	2,080	103.2%
98.8%	1,697	3,985	2,288	134.8%
100.0%	1,100	3,919	2,819	256.2%

Table SW-36-5b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	12,255	-845	-6.4%
4.9%	12,255	11,719	-536	-4.4%
6.2%	11,719	11,437	-282	-2.4%
7.4%	11,436	11,404	-32	-0.3%
8.6%	11,005	10,527	-478	-4.3%
9.9%	10,538	10,513	-24	-0.2%
11.1%	10,514	9,859	-655	-6.2%
12.3%	9,888	9,851	-37	-0.4%
13.6%	9,851	9,723	-128	-1.3%
14.8%	9,723	9,700	-24	-0.2%
16.0%	9,700	9,607	-92	-1.0%
17.3%	9,609	9,412	-198	-2.1%
18.5%	9,608	9,403	-205	-2.1%
19.8%	9,357	9,382	25	0.3%
21.0%	9,355	9,348	-7	-0.1%
22.2%	9,016	8,845	-171	-1.9%
23.5%	8,709	8,709	0	0.0%
24.7%	8,639	8,639	0	0.0%
25.9%	8,371	8,340	-31	-0.4%
27.2%	8,139	8,332	193	2.4%
28.4%	8,101	8,101	0	0.0%
29.6%	8,093	8,093	0	0.0%
30.9%	8,065	8,065	0	0.0%
32.1%	7,865	7,881	16	0.2%
33.3%	7,819	7,865	46	0.6%
34.6%	7,740	7,839	99	1.3%
35.8%	7,708	7,819	111	1.4%
37.0%	7,662	7,740	78	1.0%
38.3%	7,624	7,663	40	0.5%
39.5%	7,609	7,624	15	0.2%
40.7%	7,594	7,594	0	0.0%
42.0%	7,292	7,292	0	0.0%
43.2%	7,201	7,201	0	0.0%
44.4%	7,040	7,040	0	0.0%
45.7%	6,971	6,971	0	0.0%
46.9%	6,766	6,870	104	1.5%
48.1%	6,754	6,836	81	1.2%
49.4%	6,751	6,798	47	0.7%
50.6%	6,696	6,755	59	0.9%
51.9%	6,693	6,751	58	0.9%
53.1%	6,675	6,719	45	0.7%
54.3%	6,669	6,693	24	0.4%
55.6%	6,632	6,675	43	0.6%
56.8%	6,571	6,669	98	1.5%
58.0%	6,565	6,632	67	1.0%
59.3%	6,513	6,571	57	0.9%
60.5%	6,504	6,565	61	0.9%
61.7%	6,487	6,513	27	0.4%
63.0%	6,321	6,504	183	2.9%
64.2%	6,304	6,487	183	2.9%
65.4%	6,300	6,321	21	0.3%
66.7%	6,020	6,304	284	4.7%
67.9%	5,999	6,300	301	5.0%
69.1%	5,808	6,182	374	6.4%
70.4%	5,723	5,999	276	4.8%
71.6%	5,712	5,723	12	0.2%
72.8%	5,649	5,617	-32	-0.6%
74.1%	5,579	5,579	0	0.0%
75.3%	5,555	5,576	21	0.4%
76.5%	5,074	5,533	460	9.1%
77.8%	5,052	5,074	22	0.4%
79.0%	4,998	4,998	0	0.0%
80.2%	4,963	4,963	0	0.0%
81.5%	4,663	4,863	200	4.3%
82.7%	4,591	4,730	139	3.0%
84.0%	4,540	4,662	122	2.7%
85.2%	4,394	4,540	146	3.3%
86.4%	4,272	4,394	122	2.9%
87.7%	4,203	4,272	68	1.6%
88.9%	3,994	4,229	235	5.9%
90.1%	3,871	4,203	333	8.6%
91.4%	3,744	3,994	250	6.7%
92.6%	3,609	3,744	136	3.8%
93.8%	3,381	3,609	227	6.7%
95.1%	3,261	3,381	120	3.7%
96.3%	3,071	3,261	190	6.2%
97.5%	1,607	3,071	1,464	91.1%
98.8%	1,353	2,487	1,134	83.8%
100.0%	1,277	2,083	807	63.2%

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,161	0	0.0%
4.9%	12,125	12,095	-30	-0.2%
6.2%	11,753	11,854	102	0.9%
7.4%	11,169	11,144	-25	-0.2%
8.6%	10,325	10,937	612	5.9%
9.9%	9,967	9,939	-28	-0.3%
11.1%	9,812	9,830	18	0.2%
12.3%	9,806	9,813	7	0.1%
13.6%	9,749	9,806	57	0.6%
14.8%	9,633	9,749	116	1.2%
16.0%	9,548	9,633	86	0.9%
17.3%	9,499	9,548	49	0.5%
18.5%	9,317	9,499	182	2.0%
19.8%	9,298	9,317	19	0.2%
21.0%	9,188	9,298	110	1.2%
22.2%	9,183	9,236	53	0.6%
23.5%	9,153	9,183	30	0.3%
24.7%	8,880	9,153	273	3.1%
25.9%	8,832	8,880	48	0.5%
27.2%	8,711	8,831	120	1.4%
28.4%	8,661	8,775	114	1.3%
29.6%	8,650	8,661	11	0.1%
30.9%	8,645	8,650	5	0.1%
32.1%	8,399	8,456	58	0.7%
33.3%	8,276	8,399	123	1.5%
34.6%	7,501	8,252	750	10.0%
35.8%	7,420	7,420	0	0.0%
37.0%	7,288	7,321	33	0.4%
38.3%	7,266	7,288	22	0.3%
39.5%	7,266	7,266	0	0.0%
40.7%	7,214	7,204	-10	-0.1%
42.0%	7,204	7,045	-159	-2.2%
43.2%	7,045	6,968	-77	-1.1%
44.4%	6,968	6,930	-38	-0.6%
45.7%	6,930	6,650	-280	-4.0%
46.9%	6,711	6,634	-77	-1.1%
48.1%	6,650	6,592	-58	-0.9%
49.4%	6,634	6,580	-54	-0.8%
50.6%	6,592	6,507	-85	-1.3%
51.9%	6,580	6,456	-124	-1.9%
53.1%	6,507	6,393	-113	-1.7%
54.3%	6,457	6,112	-345	-5.3%
55.6%	6,311	5,856	-455	-7.2%
56.8%	6,244	5,588	-656	-10.5%
58.0%	6,127	5,567	-559	-9.1%
59.3%	5,856	5,494	-363	-6.2%
60.5%	5,630	5,451	-179	-3.2%
61.7%	5,617	5,411	-206	-3.7%
63.0%	5,588	5,379	-209	-3.7%
64.2%	5,451	5,025	-426	-7.8%
65.4%	5,411	5,005	-405	-7.5%
66.7%	5,379	4,745	-634	-11.8%
67.9%	5,025	4,685	-340	-6.8%
69.1%	5,005	4,665	-341	-6.8%
70.4%	4,745	4,628	-117	-2.5%
71.6%	4,685	4,576	-109	-2.3%
72.8%	4,664	4,568	-95	-2.0%
74.1%	4,628	4,563	-66	-1.4%
75.3%	4,576	4,519	-57	-1.3%
76.5%	4,563	4,501	-61	-1.3%
77.8%	4,549	4,482	-68	-1.5%
79.0%	4,482	4,480	-2	0.0%
80.2%	4,470	4,470	0	0.0%
81.5%	4,390	4,390	0	0.0%
82.7%	4,315	4,315	0	0.0%
84.0%	3,481	3,629	148	4.2%
85.2%	3,373	3,481	109	3.2%
86.4%	3,152	3,152	0	0.0%
87.7%	2,679	2,679	0	0.0%
88.9%	2,595	2,595	0	0.0%
90.1%	2,305	2,507	202	8.8%
91.4%	2,168	2,506	338	15.6%
92.6%	2,158	2,168	10	0.5%
93.8%	1,871	2,158	286	15.3%
95.1%	1,864	1,864	0	0.0%
96.3%	1,806	1,806	0	0.0%
97.5%	1,618	1,769	151	9.3%
98.8%	1,202	1,425	223	18.5%
100.0%	1,100	1,100	0	0.0%

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,851	8,851	0	0.0%
1.2%	7,097	7,097	0	0.0%
2.5%	5,310	5,292	-18	-0.3%
3.7%	4,693	4,675	-18	-0.4%
4.9%	4,538	4,520	-18	-0.4%
6.2%	3,903	3,885	-18	-0.5%
7.4%	3,704	3,686	-18	-0.5%
8.6%	3,331	3,331	0	0.0%
9.9%	3,250	3,232	-18	-0.6%
11.1%	3,055	3,037	-18	-0.6%
12.3%	2,941	2,922	-18	-0.6%
13.6%	2,594	2,586	-8	-0.3%
14.8%	2,586	2,584	-2	-0.1%
16.0%	2,436	2,409	-27	-1.1%
17.3%	2,390	2,390	0	0.0%
18.5%	2,314	2,295	-19	-0.8%
19.8%	2,239	2,239	0	0.0%
21.0%	2,221	2,221	0	0.0%
22.2%	2,197	2,197	0	0.0%
23.5%	2,177	2,177	0	0.0%
24.7%	2,169	2,169	0	0.0%
25.9%	2,166	2,165	0	0.0%
27.2%	2,151	2,151	0	0.0%
28.4%	2,021	2,021	0	0.0%
29.6%	2,007	1,989	-17	-0.9%
30.9%	1,948	1,980	33	1.7%
32.1%	1,940	1,965	25	1.3%
33.3%	1,902	1,947	45	2.4%
34.6%	1,899	1,938	39	2.1%
35.8%	1,899	1,899	0	0.0%
37.0%	1,898	1,893	-5	-0.2%
38.3%	1,893	1,880	-14	-0.7%
39.5%	1,862	1,863	1	0.1%
40.7%	1,837	1,837	0	0.0%
42.0%	1,832	1,832	0	0.0%
43.2%	1,808	1,808	0	0.0%
44.4%	1,787	1,787	0	0.0%
45.7%	1,786	1,786	0	0.0%
46.9%	1,761	1,761	0	0.0%
48.1%	1,756	1,756	0	0.0%
49.4%	1,712	1,712	0	0.0%
50.6%	1,710	1,710	0	0.0%
51.9%	1,705	1,705	0	0.0%
53.1%	1,704	1,704	0	0.0%
54.3%	1,695	1,695	0	0.0%
55.6%	1,661	1,637	-24	-1.4%
56.8%	1,637	1,634	-4	-0.2%
58.0%	1,634	1,633	0	0.0%
59.3%	1,633	1,604	-28	-1.7%
60.5%	1,604	1,597	-7	-0.4%
61.7%	1,591	1,577	-14	-0.9%
63.0%	1,577	1,566	-11	-0.7%
64.2%	1,566	1,565	-1	-0.1%
65.4%	1,564	1,540	-24	-1.6%
66.7%	1,534	1,534	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,350	1,479	129	9.5%
93.8%	1,100	1,372	272	24.7%
95.1%	1,100	1,350	250	22.7%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	1,100	200	22.2%

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,518	10,505	-13	-0.1%
1.2%	10,361	10,348	-13	-0.1%
2.5%	10,195	10,264	68	0.7%
3.7%	8,289	8,348	59	0.7%
4.9%	4,745	4,719	-26	-0.6%
6.2%	4,529	4,503	-26	-0.6%
7.4%	4,203	4,177	-26	-0.6%
8.6%	3,650	3,624	-26	-0.7%
9.9%	3,421	3,395	-26	-0.8%
11.1%	2,847	2,822	-26	-0.9%
12.3%	2,777	2,750	-27	-1.0%
13.6%	2,565	2,550	-15	-0.6%
14.8%	2,549	2,539	-11	-0.4%
16.0%	2,352	2,352	0	0.0%
17.3%	2,337	2,326	-10	-0.4%
18.5%	2,326	2,129	-197	-8.5%
19.8%	2,266	2,063	-203	-9.0%
21.0%	2,128	1,980	-148	-7.0%
22.2%	2,089	1,942	-147	-7.0%
23.5%	1,981	1,890	-91	-4.6%
24.7%	1,967	1,887	-80	-4.1%
25.9%	1,886	1,885	0	0.0%
27.2%	1,810	1,809	-1	-0.1%
28.4%	1,791	1,782	-10	-0.5%
29.6%	1,784	1,780	-5	-0.3%
30.9%	1,782	1,771	-10	-0.6%
32.1%	1,781	1,770	-10	-0.6%
33.3%	1,771	1,769	-1	-0.1%
34.6%	1,769	1,760	-10	-0.6%
35.8%	1,767	1,717	-51	-2.9%
37.0%	1,759	1,697	-63	-3.6%
38.3%	1,711	1,688	-23	-1.3%
39.5%	1,669	1,669	0	0.0%
40.7%	1,630	1,637	7	0.4%
42.0%	1,609	1,630	22	1.3%
43.2%	1,593	1,621	28	1.8%
44.4%	1,570	1,595	25	1.6%
45.7%	1,564	1,593	29	1.9%
46.9%	1,554	1,570	15	1.0%
48.1%	1,552	1,564	12	0.8%
49.4%	1,514	1,555	42	2.8%
50.6%	1,511	1,549	38	2.5%
51.9%	1,510	1,537	27	1.8%
53.1%	1,503	1,514	11	0.8%
54.3%	1,500	1,511	11	0.7%
55.6%	1,500	1,511	11	0.7%
56.8%	1,500	1,501	1	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,399	1,500	101	7.2%
97.5%	1,160	1,500	340	29.3%
98.8%	1,100	1,500	400	36.4%
100.0%	1,100	1,500	400	36.4%

Table SW-36-5b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	10,957	10,896	-62	-0.6%
6.2%	10,857	10,855	-1	0.0%
7.4%	10,633	10,571	-62	-0.6%
8.6%	9,834	9,780	-55	-0.6%
9.9%	9,749	9,772	24	0.2%
11.1%	9,308	9,281	-27	-0.3%
12.3%	8,293	8,625	333	4.0%
13.6%	8,268	8,269	1	0.0%
14.8%	7,906	7,905	0	0.0%
16.0%	7,802	7,802	0	0.0%
17.3%	7,693	7,694	1	0.0%
18.5%	7,565	7,564	-1	0.0%
19.8%	7,205	7,468	264	3.7%
21.0%	7,121	7,123	1	0.0%
22.2%	6,952	6,951	0	0.0%
23.5%	6,756	6,755	0	0.0%
24.7%	6,271	6,273	2	0.0%
25.9%	5,753	6,082	329	5.7%
27.2%	5,745	5,753	8	0.1%
28.4%	5,707	5,745	38	0.7%
29.6%	5,686	5,707	21	0.4%
30.9%	5,627	5,686	60	1.1%
32.1%	5,577	5,627	49	0.9%
33.3%	5,534	5,578	44	0.8%
34.6%	5,468	5,468	0	0.0%
35.8%	5,442	5,441	0	0.0%
37.0%	5,350	5,306	-44	-0.8%
38.3%	5,308	5,275	-33	-0.6%
39.5%	5,276	5,261	-14	-0.3%
40.7%	5,046	5,237	191	3.8%
42.0%	4,927	4,927	0	0.0%
43.2%	4,799	4,799	-1	0.0%
44.4%	4,696	4,109	-587	-12.5%
45.7%	4,662	4,081	-581	-12.5%
46.9%	4,534	4,077	-456	-10.1%
48.1%	4,110	4,025	-84	-2.1%
49.4%	4,081	3,905	-176	-4.3%
50.6%	4,078	3,855	-222	-5.5%
51.9%	4,069	3,744	-325	-8.0%
53.1%	3,905	3,727	-178	-4.6%
54.3%	3,856	3,716	-140	-3.6%
55.6%	3,770	3,701	-69	-1.8%
56.8%	3,744	3,699	-46	-1.2%
58.0%	3,716	3,673	-42	-1.1%
59.3%	3,701	3,632	-68	-1.8%
60.5%	3,698	3,446	-252	-6.8%
61.7%	3,673	3,382	-291	-7.9%
63.0%	3,446	3,355	-92	-2.7%
64.2%	3,381	3,335	-45	-1.3%
65.4%	3,354	3,331	-23	-0.7%
66.7%	3,335	3,306	-29	-0.9%
67.9%	3,331	3,301	-30	-0.9%
69.1%	3,307	3,280	-27	-0.8%
70.4%	3,302	3,220	-81	-2.5%
71.6%	3,280	3,216	-64	-1.9%
72.8%	3,221	3,189	-32	-1.0%
74.1%	3,217	3,124	-92	-2.9%
75.3%	3,198	3,050	-148	-4.6%
76.5%	3,189	3,042	-148	-4.6%
77.8%	3,124	2,924	-201	-6.4%
79.0%	3,011	1,770	-1,242	-41.2%
80.2%	2,546	1,714	-832	-32.7%
81.5%	2,467	1,692	-775	-31.4%
82.7%	1,771	1,692	-79	-4.5%
84.0%	1,715	1,692	-23	-1.3%
85.2%	1,692	1,692	0	0.0%
86.4%	1,692	1,692	0	0.0%
87.7%	1,692	1,680	-12	-0.7%
88.9%	1,692	1,680	-12	-0.7%
90.1%	1,692	1,680	-12	-0.7%
91.4%	1,680	1,680	0	0.0%
92.6%	1,680	1,680	0	0.0%
93.8%	1,680	1,651	-29	-1.7%
95.1%	1,651	1,651	0	0.0%
96.3%	1,644	1,644	0	0.0%
97.5%	1,533	1,533	0	0.0%
98.8%	1,480	1,480	0	0.0%
100.0%	1,158	1,200	42	3.6%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,605	11,639	34	0.3%
2.5%	11,605	11,630	25	0.2%
3.7%	11,605	11,626	21	0.2%
4.9%	11,605	11,612	8	0.1%
6.2%	11,605	11,605	0	0.0%
7.4%	11,605	11,605	0	0.0%
8.6%	11,605	11,605	0	0.0%
9.9%	11,605	11,605	0	0.0%
11.1%	11,605	11,605	0	0.0%
12.3%	11,605	11,605	0	0.0%
13.6%	11,605	11,605	0	0.0%
14.8%	11,605	11,605	0	0.0%
16.0%	11,605	11,605	0	0.0%
17.3%	11,605	11,605	0	0.0%
18.5%	11,605	11,605	0	0.0%
19.8%	11,605	11,605	0	0.0%
21.0%	11,605	11,605	0	0.0%
22.2%	11,605	11,605	0	0.0%
23.5%	11,605	11,605	0	0.0%
24.7%	11,602	11,605	3	0.0%
25.9%	11,577	11,605	28	0.2%
27.2%	11,574	11,586	12	0.1%
28.4%	11,570	11,570	0	0.0%
29.6%	11,529	11,549	20	0.2%
30.9%	11,529	11,529	0	0.0%
32.1%	11,529	11,529	0	0.0%
33.3%	11,527	11,526	-1	0.0%
34.6%	11,516	11,518	2	0.0%
35.8%	11,515	11,515	0	0.0%
37.0%	11,515	11,515	0	0.0%
38.3%	11,514	11,515	1	0.0%
39.5%	11,510	11,509	-1	0.0%
40.7%	11,510	11,507	-3	0.0%
42.0%	11,509	11,496	-13	-0.1%
43.2%	11,497	11,491	-6	-0.1%
44.4%	11,495	11,443	-52	-0.5%
45.7%	11,464	11,416	-48	-0.4%
46.9%	11,443	11,409	-34	-0.3%
48.1%	11,401	11,404	3	0.0%
49.4%	11,345	11,398	53	0.5%
50.6%	11,313	11,354	40	0.4%
51.9%	11,305	11,322	17	0.2%
53.1%	11,280	11,305	25	0.2%
54.3%	11,280	11,281	1	0.0%
55.6%	11,280	11,280	0	0.0%
56.8%	11,259	11,280	21	0.2%
58.0%	11,235	11,280	45	0.4%
59.3%	11,214	11,259	44	0.4%
60.5%	11,188	11,215	27	0.2%
61.7%	11,180	11,181	1	0.0%
63.0%	11,169	11,079	-90	-0.8%
64.2%	11,061	11,077	16	0.1%
65.4%	11,010	11,071	61	0.6%
66.7%	10,970	11,060	91	0.8%
67.9%	10,913	10,962	49	0.4%
69.1%	10,727	10,602	-125	-1.2%
70.4%	10,711	10,540	-171	-1.6%
71.6%	10,667	10,380	-286	-2.7%
72.8%	10,469	10,351	-118	-1.1%
74.1%	10,452	10,351	-102	-1.0%
75.3%	10,095	10,340	246	2.4%
76.5%	10,063	10,261	198	2.0%
77.8%	9,974	10,064	90	0.9%
79.0%	9,951	10,016	65	0.7%
80.2%	9,935	10,013	77	0.8%
81.5%	9,924	10,002	79	0.8%
82.7%	9,748	9,820	72	0.7%
84.0%	9,406	9,642	235	2.5%
85.2%	9,377	9,500	123	1.3%
86.4%	9,135	8,968	-167	-1.8%
87.7%	9,070	8,814	-256	-2.8%
88.9%	8,529	7,978	-551	-6.5%
90.1%	7,830	7,941	110	1.4%
91.4%	7,364	7,055	-309	-4.2%
92.6%	7,113	6,152	-961	-13.5%
93.8%	6,451	5,884	-567	-8.8%
95.1%	5,896	5,579	-317	-5.4%
96.3%	5,389	5,445	56	1.0%
97.5%	3,626	4,887	1,261	34.8%
98.8%	1,467	3,607	2,140	145.9%
100.0%	1,059	3,578	2,518	237.7%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,780	0	0.0%
2.5%	11,780	11,780	0	0.0%
3.7%	11,780	11,780	0	0.0%
4.9%	11,780	11,780	0	0.0%
6.2%	11,780	11,780	0	0.0%
7.4%	11,780	11,780	0	0.0%
8.6%	11,780	11,780	0	0.0%
9.9%	11,780	11,780	0	0.0%
11.1%	11,780	11,780	0	0.0%
12.3%	11,780	11,780	0	0.0%
13.6%	11,780	11,780	0	0.0%
14.8%	11,780	11,780	0	0.0%
16.0%	11,780	11,780	0	0.0%
17.3%	11,780	11,780	0	0.0%
18.5%	11,780	11,780	0	0.0%
19.8%	11,780	11,780	0	0.0%
21.0%	11,780	11,780	0	0.0%
22.2%	11,780	11,780	0	0.0%
23.5%	11,780	11,780	0	0.0%
24.7%	11,780	11,780	0	0.0%
25.9%	11,780	11,780	0	0.0%
27.2%	11,780	11,780	0	0.0%
28.4%	11,780	11,780	0	0.0%
29.6%	11,780	11,780	0	0.0%
30.9%	11,780	11,780	0	0.0%
32.1%	11,780	11,780	0	0.0%
33.3%	11,780	11,780	0	0.0%
34.6%	11,780	11,780	0	0.0%
35.8%	11,780	11,780	0	0.0%
37.0%	11,780	11,780	0	0.0%
38.3%	11,780	11,780	0	0.0%
39.5%	11,736	11,769	33	0.3%
40.7%	11,733	11,763	30	0.3%
42.0%	11,680	11,763	83	0.7%
43.2%	11,661	11,745	84	0.7%
44.4%	11,630	11,720	90	0.8%
45.7%	11,630	11,680	50	0.4%
46.9%	11,627	11,680	53	0.5%
48.1%	11,620	11,630	10	0.1%
49.4%	11,580	11,627	46	0.4%
50.6%	11,580	11,580	0	0.0%
51.9%	11,572	11,575	3	0.0%
53.1%	11,571	11,530	-41	-0.4%
54.3%	11,534	11,530	-4	0.0%
55.6%	11,506	11,530	24	0.2%
56.8%	11,483	11,445	-39	-0.3%
58.0%	11,474	11,430	-44	-0.4%
59.3%	11,430	11,407	-23	-0.2%
60.5%	11,406	11,341	-65	-0.6%
61.7%	11,321	11,335	14	0.1%
63.0%	11,291	11,280	-11	-0.1%
64.2%	11,280	11,258	-22	-0.2%
65.4%	11,260	11,222	-38	-0.3%
66.7%	11,240	11,164	-76	-0.7%
67.9%	11,203	11,107	-96	-0.9%
69.1%	10,923	11,038	116	1.1%
70.4%	10,786	10,888	102	1.0%
71.6%	10,596	10,640	44	0.4%
72.8%	10,309	10,603	293	2.8%
74.1%	10,069	10,016	-53	-0.5%
75.3%	9,845	9,813	-32	-0.3%
76.5%	9,029	9,332	303	3.4%
77.8%	8,889	8,530	-359	-4.0%
79.0%	8,868	8,483	-385	-4.3%
80.2%	8,391	7,780	-611	-7.3%
81.5%	7,741	7,741	0	0.0%
82.7%	7,664	7,731	67	0.9%
84.0%	7,221	7,683	461	6.4%
85.2%	6,178	7,664	1,486	24.1%
86.4%	5,282	7,362	2,080	39.4%
87.7%	4,423	7,279	2,855	64.6%
88.9%	4,018	7,214	3,197	79.6%
90.1%	3,690	6,775	3,085	83.6%
91.4%	2,781	5,280	2,499	89.8%
92.6%	2,353	5,258	2,905	123.4%
93.8%	1,625	5,187	3,561	219.1%
95.1%	1,274	3,619	2,345	184.0%
96.3%	994	3,169	2,175	218.9%
97.5%	941	2,847	1,906	202.6%
98.8%	900	2,018	1,118	124.2%
100.0%	900	900	0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	11,280	11,280	0	0.0%
16.0%	11,280	11,280	0	0.0%
17.3%	11,238	11,280	42	0.4%
18.5%	11,235	11,280	45	0.4%
19.8%	11,224	11,280	56	0.5%
21.0%	11,219	11,280	61	0.5%
22.2%	11,213	11,280	67	0.6%
23.5%	11,009	11,280	271	2.5%
24.7%	10,988	11,280	292	2.7%
25.9%	10,905	11,280	375	3.4%
27.2%	10,738	11,229	491	4.6%
28.4%	10,675	11,224	549	5.1%
29.6%	10,565	11,180	614	5.8%
30.9%	10,403	11,179	777	7.5%
32.1%	10,323	11,174	851	8.2%
33.3%	10,093	11,023	931	9.2%
34.6%	10,051	10,742	691	6.9%
35.8%	10,022	10,656	634	6.3%
37.0%	9,803	10,595	792	8.1%
38.3%	9,758	10,592	834	8.5%
39.5%	9,755	10,529	774	7.9%
40.7%	9,679	10,494	815	8.4%
42.0%	9,440	10,420	980	10.4%
43.2%	9,401	10,279	878	9.3%
44.4%	9,400	10,252	852	9.1%
45.7%	9,386	10,190	804	8.6%
46.9%	9,373	10,189	817	8.7%
48.1%	9,278	10,082	804	8.7%
49.4%	9,275	10,060	785	8.5%
50.6%	9,231	10,024	793	8.6%
51.9%	9,103	9,998	895	9.8%
53.1%	9,064	9,852	787	8.7%
54.3%	9,063	9,756	693	7.7%
55.6%	9,031	9,692	661	7.3%
56.8%	9,004	9,654	649	7.2%
58.0%	8,886	9,615	729	8.2%
59.3%	8,822	9,587	765	8.7%
60.5%	8,819	9,472	653	7.4%
61.7%	8,730	9,447	718	8.2%
63.0%	8,698	9,416	718	8.3%
64.2%	8,419	9,402	983	11.7%
65.4%	8,207	9,265	1,059	12.9%
66.7%	8,193	9,212	1,019	12.4%
67.9%	8,151	9,212	1,060	13.0%
69.1%	8,054	9,173	1,120	13.9%
70.4%	7,870	9,159	1,289	16.4%
71.6%	7,592	9,156	1,564	20.6%
72.8%	7,557	9,065	1,508	20.0%
74.1%	7,507	9,063	1,556	20.7%
75.3%	7,402	9,057	1,656	22.4%
76.5%	7,372	9,042	1,670	22.7%
77.8%	6,743	9,032	2,289	34.0%
79.0%	6,363	8,967	2,604	40.9%
80.2%	6,312	8,884	2,572	40.7%
81.5%	6,199	8,865	2,666	43.0%
82.7%	4,882	8,654	3,772	77.3%
84.0%	4,873	8,419	3,545	72.8%
85.2%	4,873	8,414	3,541	72.7%
86.4%	4,642	7,945	3,303	71.1%
87.7%	4,593	7,796	3,203	69.7%
88.9%	4,578	7,338	2,760	60.3%
90.1%	4,544	7,272	2,728	60.0%
91.4%	4,540	6,860	2,320	51.1%
92.6%	4,459	4,933	474	10.6%
93.8%	4,395	4,889	494	11.2%
95.1%	4,350	4,805	455	10.5%
96.3%	4,307	4,578	271	6.3%
97.5%	4,095	4,544	449	11.0%
98.8%	4,001	4,321	320	8.0%
100.0%	3,698	3,698	0	0.0%

Table SW-37-5a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,449	3,525	4,041	3,099	2,947	2,787	1,042	1,105	2,390	3,900	3,935	3,838
Alternative B	3,696	3,744	4,015	3,220	3,137	2,756	1,044	1,093	2,302	3,958	3,914	4,163
Difference	248	219	-26	121	190	-30	2	-12	-89	58	-21	325
Percent Difference[3]	7.2%	6.2%	-0.6%	3.9%	6.4%	-1.1%	0.1%	-1.1%	-3.7%	1.5%	-0.5%	8.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,409	3,537	4,335	3,492	3,696	3,577	1,371	1,620	3,574	4,556	4,598	3,939
Alternative B	4,192	3,617	4,341	3,521	3,889	3,594	1,368	1,620	3,570	4,536	4,519	4,376
Difference	783	79	6	29	192	17	-3	0	-4	-19	-80	437
Percent Difference	23.0%	2.2%	0.1%	0.8%	5.2%	0.5%	-0.2%	0.0%	-0.1%	-0.4%	-1.7%	11.1%
Above Normal (15%)												
No Action Alternative	3,607	3,859	4,389	2,969	2,731	3,593	929	870	3,079	4,004	4,585	3,681
Alternative B	3,866	4,070	4,389	3,191	2,809	3,466	927	867	2,932	4,484	4,471	4,248
Difference	259	210	0	223	78	-127	-2	-3	-147	479	-113	567
Percent Difference	7.2%	5.4%	0.0%	7.5%	2.9%	-3.5%	-0.2%	-0.3%	-4.8%	12.0%	-2.5%	15.4%
Below Normal (17%)												
No Action Alternative	3,984	4,260	4,061	2,957	2,640	2,721	890	870	2,117	4,200	4,022	4,495
Alternative B	4,108	4,344	4,201	2,940	2,837	2,732	889	869	1,886	4,059	3,931	4,568
Difference	124	84	139	-17	197	11	-1	-1	-230	-140	-90	73
Percent Difference	3.1%	2.0%	3.4%	-0.6%	7.5%	0.4%	-0.1%	-0.1%	-10.9%	-3.3%	-2.3%	1.6%
Dry (22%)												
No Action Alternative	3,589	3,597	3,697	3,143	2,851	2,060	879	883	1,480	4,001	3,770	3,935
Alternative B	3,453	4,091	3,893	3,270	2,866	2,031	893	849	1,332	4,051	3,946	4,152
Difference	-137	494	196	127	16	-30	14	-35	-148	49	176	217
Percent Difference	-3.8%	13.7%	5.3%	4.0%	0.6%	-1.4%	1.6%	-3.9%	-10.0%	1.2%	4.7%	5.5%
Critical (15%)												
No Action Alternative	2,542	2,201	3,548	2,478	2,044	1,434	866	834	821	1,872	1,997	2,860
Alternative B	2,338	2,476	2,904	2,851	2,592	1,348	866	806	862	1,923	1,981	3,156
Difference	-204	275	-645	373	548	-86	0	-28	42	51	-17	296
Percent Difference	-8.0%	12.5%	-18.2%	15.0%	26.8%	-6.0%	0.0%	-3.4%	5.1%	2.7%	-0.8%	10.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-37-5b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

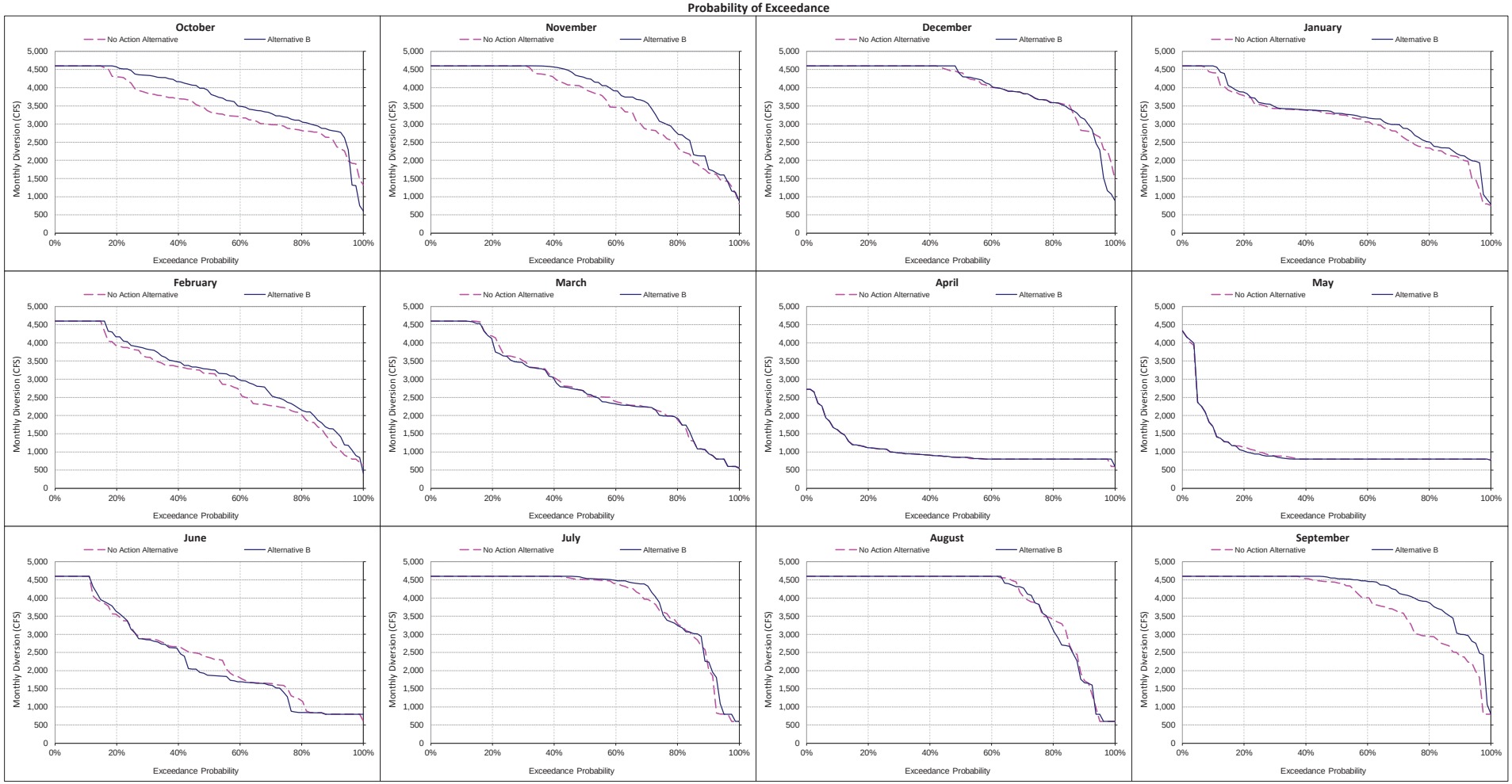

Table SW-37-5b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,551	4,600	49	1.1%
17.3%	4,521	4,600	79	1.7%
18.5%	4,315	4,600	285	6.6%
19.8%	4,298	4,578	279	6.5%
21.0%	4,294	4,528	234	5.5%
22.2%	4,282	4,519	237	5.5%
23.5%	4,195	4,518	323	7.7%
24.7%	4,126	4,475	349	8.5%
25.9%	3,969	4,377	408	10.3%
27.2%	3,924	4,359	435	11.1%
28.4%	3,893	4,350	457	11.7%
29.6%	3,859	4,339	480	12.4%
30.9%	3,827	4,334	507	13.2%
32.1%	3,815	4,311	496	13.0%
33.3%	3,791	4,288	497	13.1%
34.6%	3,780	4,281	501	13.3%
35.8%	3,756	4,276	520	13.8%
37.0%	3,729	4,246	516	13.8%
38.3%	3,729	4,228	499	13.4%
39.5%	3,694	4,164	470	12.7%
40.7%	3,694	4,159	465	12.6%
42.0%	3,687	4,127	440	11.9%
43.2%	3,665	4,099	434	11.9%
44.4%	3,629	4,071	442	12.2%
45.7%	3,539	4,063	524	14.8%
46.9%	3,498	3,989	491	14.0%
48.1%	3,467	3,985	518	14.9%
49.4%	3,372	3,937	565	16.7%
50.6%	3,321	3,808	488	14.7%
51.9%	3,303	3,774	471	14.3%
53.1%	3,277	3,733	455	13.9%
54.3%	3,272	3,714	442	13.5%
55.6%	3,228	3,650	423	13.1%
56.8%	3,223	3,636	413	12.8%
58.0%	3,220	3,619	399	12.4%
59.3%	3,213	3,501	287	8.9%
60.5%	3,168	3,482	313	9.9%
61.7%	3,166	3,463	297	9.4%
63.0%	3,112	3,406	294	9.4%
64.2%	3,110	3,391	281	9.0%
65.4%	3,073	3,369	296	9.6%
66.7%	3,010	3,362	352	11.7%
67.9%	3,005	3,338	333	11.1%
69.1%	2,996	3,321	325	10.8%
70.4%	2,983	3,279	296	9.9%
71.6%	2,977	3,224	247	8.3%
72.8%	2,968	3,223	255	8.6%
74.1%	2,948	3,201	252	8.6%
75.3%	2,881	3,183	302	10.5%
76.5%	2,869	3,135	267	9.3%
77.8%	2,854	3,110	256	9.0%
79.0%	2,842	3,110	267	9.4%
80.2%	2,815	3,048	233	8.3%
81.5%	2,809	3,038	229	8.1%
82.7%	2,802	3,005	203	7.2%
84.0%	2,779	2,971	192	6.9%
85.2%	2,777	2,946	169	6.1%
86.4%	2,725	2,881	155	5.7%
87.7%	2,641	2,876	235	8.9%
88.9%	2,630	2,834	204	7.8%
90.1%	2,554	2,812	258	10.1%
91.4%	2,376	2,800	423	17.8%
92.6%	2,317	2,771	454	19.6%
93.8%	2,262	2,625	363	16.0%
95.1%	1,983	2,287	304	15.3%
96.3%	1,916	1,318	-598	-31.2%
97.5%	1,906	1,303	-603	-31.6%
98.8%	1,463	756	-706	-48.3%
100.0%	1,322	600	-722	-54.6%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,552	4,600	48	1.0%
33.3%	4,423	4,600	177	4.0%
34.6%	4,387	4,600	213	4.9%
35.8%	4,373	4,600	227	5.2%
37.0%	4,360	4,595	235	5.4%
38.3%	4,337	4,579	242	5.6%
39.5%	4,310	4,576	267	6.2%
40.7%	4,213	4,559	345	8.2%
42.0%	4,166	4,535	368	8.8%
43.2%	4,126	4,519	392	9.5%
44.4%	4,074	4,478	404	9.9%
45.7%	4,074	4,427	353	8.7%
46.9%	4,061	4,340	279	6.9%
48.1%	4,057	4,317	260	6.4%
49.4%	3,998	4,291	293	7.3%
50.6%	3,927	4,252	324	8.3%
51.9%	3,891	4,237	346	8.9%
53.1%	3,844	4,155	311	8.1%
54.3%	3,832	4,145	313	8.2%
55.6%	3,776	4,057	280	7.4%
56.8%	3,661	4,057	395	10.8%
58.0%	3,467	3,991	524	15.1%
59.3%	3,460	3,918	458	13.2%
60.5%	3,452	3,907	455	13.2%
61.7%	3,451	3,781	330	9.6%
63.0%	3,339	3,744	405	12.1%
64.2%	3,326	3,741	415	12.5%
65.4%	3,299	3,740	440	13.3%
66.7%	3,064	3,677	612	20.0%
67.9%	3,013	3,666	653	21.7%
69.1%	2,884	3,632	748	25.9%
70.4%	2,840	3,567	727	25.6%
71.6%	2,832	3,420	588	20.8%
72.8%	2,817	3,262	445	15.8%
74.1%	2,714	3,081	367	13.5%
75.3%	2,698	3,039	341	12.6%
76.5%	2,595	2,991	396	15.3%
77.8%	2,558	2,946	389	15.2%
79.0%	2,494	2,823	329	13.2%
80.2%	2,333	2,716	383	16.4%
81.5%	2,243	2,700	457	20.4%
82.7%	2,208	2,612	404	18.3%
84.0%	2,169	2,550	381	17.6%
85.2%	1,939	2,158	220	11.3%
86.4%	1,899	2,133	233	12.3%
87.7%	1,803	2,125	322	17.8%
88.9%	1,743	2,119	376	21.5%
90.1%	1,650	1,749	99	6.0%
91.4%	1,642	1,715	74	4.5%
92.6%	1,612	1,653	41	2.5%
93.8%	1,462	1,599	137	9.4%
95.1%	1,440	1,598	158	11.0%
96.3%	1,425	1,401	-23	-1.6%
97.5%	1,277	1,157	-120	-9.4%
98.8%	1,098	1,122	24	2.2%
100.0%	800	881	81	10.2%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,572	4,600	28	0.6%
44.4%	4,533	4,600	67	1.5%
45.7%	4,493	4,600	107	2.4%
46.9%	4,462	4,600	138	3.1%
48.1%	4,458	4,600	142	3.2%
49.4%	4,419	4,401	-17	-0.4%
50.6%	4,401	4,298	-103	-2.3%
51.9%	4,283	4,295	12	0.3%
53.1%	4,234	4,283	49	1.2%
54.3%	4,219	4,255	37	0.9%
55.6%	4,208	4,234	26	0.6%
56.8%	4,097	4,208	111	2.7%
58.0%	4,080	4,136	56	1.4%
59.3%	4,004	4,097	92	2.3%
60.5%	4,003	4,004	1	0.0%
61.7%	3,992	4,003	11	0.3%
63.0%	3,976	3,976	0	0.0%
64.2%	3,943	3,943	0	0.0%
65.4%	3,904	3,904	0	0.0%
66.7%	3,899	3,899	0	0.0%
67.9%	3,886	3,886	0	0.0%
69.1%	3,884	3,880	-4	-0.1%
70.4%	3,829	3,830	1	0.0%
71.6%	3,822	3,829	7	0.2%
72.8%	3,775	3,775	0	0.0%
74.1%	3,710	3,710	0	0.0%
75.3%	3,674	3,674	0	0.0%
76.5%	3,674	3,674	0	0.0%
77.8%	3,659	3,659	0	0.0%
79.0%	3,612	3,586	-26	-0.7%
80.2%	3,586	3,585	-1	0.0%
81.5%	3,583	3,583	0	0.0%
82.7%	3,558	3,531	-27	-0.8%
84.0%	3,531	3,487	-44	-1.2%
85.2%	3,524	3,412	-112	-3.2%
86.4%	3,296	3,370	74	2.2%
87.7%	3,093	3,305	213	6.9%
88.9%	2,824	3,181	356	12.6%
90.1%	2,816	3,131	315	11.2%
91.4%	2,802	2,985	183	6.5%
92.6%	2,761	2,850	89	3.2%
93.8%	2,692	2,474	-219	-8.1%
95.1%	2,640	2,284	-357	-13.5%
96.3%	2,300	1,518	-782	-34.0%
97.5%	2,265	1,164	-1,101	-48.6%
98.8%	1,923	1,075	-848	-44.1%
100.0%	1,462	893	-569	-38.9%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,564	4,600	36	0.8%
8.6%	4,438	4,600	162	3.6%
9.9%	4,410	4,600	190	4.3%
11.1%	4,404	4,564	161	3.7%
12.3%	4,063	4,425	362	8.9%
13.6%	4,036	4,390	354	8.8%
14.8%	3,934	4,063	129	3.3%
16.0%	3,888	4,010	122	3.1%
17.3%	3,880	3,934	54	1.4%
18.5%	3,819	3,888	69	1.8%
19.8%	3,790	3,880	90	2.4%
21.0%	3,734	3,835	101	2.7%
22.2%	3,729	3,729	0	0.0%
23.5%	3,554	3,712	158	4.5%
24.7%	3,545	3,595	50	1.4%
25.9%	3,523	3,572	49	1.4%
27.2%	3,489	3,554	64	1.8%
28.4%	3,442	3,545	103	3.0%
29.6%	3,426	3,489	63	1.8%
30.9%	3,424	3,442	18	0.5%
32.1%	3,414	3,426	12	0.3%
33.3%	3,410	3,424	14	0.4%
34.6%	3,404	3,417	14	0.4%
35.8%	3,397	3,414	17	0.5%
37.0%	3,392	3,410	17	0.5%
38.3%	3,389	3,397	8	0.2%
39.5%	3,386	3,392	6	0.2%
40.7%	3,375	3,389	15	0.4%
42.0%	3,374	3,386	12	0.4%
43.2%	3,370	3,375	4	0.1%
44.4%	3,351	3,374	23	0.7%
45.7%	3,298	3,370	72	2.2%
46.9%	3,291	3,362	71	2.2%
48.1%	3,285	3,351	66	2.0%
49.4%	3,269	3,298	30	0.9%
50.6%	3,260	3,291	31	1.0%
51.9%	3,246	3,285	39	1.2%
53.1%	3,237	3,269	32	1.0%
54.3%	3,190	3,260	70	2.2%
55.6%	3,162	3,246	85	2.7%
56.8%	3,142	3,227	84	2.7%
58.0%	3,142	3,190	49	1.5%
59.3%	3,060	3,189	128	4.2%
60.5%	3,056	3,162	106	3.5%
61.7%	2,986	3,151	165	5.5%
63.0%	2,980	3,142	162	5.4%
64.2%	2,968	3,141	173	5.8%
65.4%	2,880	3,060	180	6.3%
66.7%	2,873	3,012	139	4.8%
67.9%	2,812	2,986	174	6.2%
69.1%	2,803	2,985	181	6.5%
70.4%	2,708	2,980	272	10.0%
71.6%	2,634	2,880	246	9.3%
72.8%	2,563	2,873	310	12.1%
74.1%	2,522	2,803	282	11.2%
75.3%	2,439	2,690	251	10.3%
76.5%	2,387	2,634	247	10.4%
77.8%	2,373	2,563	190	8.0%
79.0%	2,346	2,522	176	7.5%
80.2%	2,339	2,496	157	6.7%
81.5%	2,277	2,387	110	4.8%
82.7%	2,268	2,373	105	4.6%
84.0%	2,261	2,346	85	3.8%
85.2%	2,186	2,344	157	7.2%
86.4%	2,136	2,339	203	9.5%
87.7%	2,121	2,261	140	6.6%
88.9%	2,110	2,186	77	3.6%
90.1%	2,048	2,136	88	4.3%
91.4%	1,993	2,121	128	6.4%
92.6%	1,973	2,048	75	3.8%
93.8%	1,511	1,993	482	31.9%
95.1%	1,481	1,973	492	33.2%
96.3%	1,192	1,933	741	62.1%
97.5%	800	1,060	260	32.6%
98.8%	800	924	124	15.5%
100.0%	760	792	32	4.2%

Table SW-37-5b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,320	4,600	280	6.5%
17.3%	4,047	4,320	273	6.7%
18.5%	4,032	4,301	268	6.7%
19.8%	3,932	4,170	238	6.0%
21.0%	3,909	4,166	257	6.6%
22.2%	3,872	4,047	174	4.5%
23.5%	3,870	4,032	162	4.2%
24.7%	3,831	3,932	101	2.6%
25.9%	3,812	3,909	98	2.6%
27.2%	3,797	3,887	90	2.4%
28.4%	3,646	3,870	224	6.2%
29.6%	3,607	3,832	224	6.2%
30.9%	3,600	3,812	211	5.9%
32.1%	3,520	3,797	277	7.9%
33.3%	3,486	3,734	248	7.1%
34.6%	3,449	3,646	197	5.7%
35.8%	3,383	3,600	217	6.4%
37.0%	3,377	3,528	150	4.5%
38.3%	3,376	3,506	131	3.9%
39.5%	3,348	3,485	137	4.1%
40.7%	3,335	3,465	130	3.9%
42.0%	3,316	3,377	61	1.8%
43.2%	3,285	3,376	90	2.7%
44.4%	3,283	3,337	55	1.7%
45.7%	3,257	3,335	78	2.4%
46.9%	3,252	3,316	64	2.0%
48.1%	3,170	3,285	116	3.7%
49.4%	3,161	3,283	122	3.9%
50.6%	3,152	3,257	105	3.3%
51.9%	3,150	3,252	102	3.2%
53.1%	3,000	3,161	161	5.4%
54.3%	2,861	3,152	290	10.2%
55.6%	2,856	3,150	294	10.3%
56.8%	2,825	3,091	266	9.4%
58.0%	2,777	3,086	309	11.1%
59.3%	2,741	3,000	258	9.4%
60.5%	2,537	2,959	422	16.6%
61.7%	2,499	2,950	451	18.0%
63.0%	2,482	2,899	417	16.8%
64.2%	2,331	2,862	530	22.8%
65.4%	2,318	2,809	491	21.2%
66.7%	2,311	2,796	485	21.0%
67.9%	2,309	2,788	479	20.8%
69.1%	2,279	2,662	382	16.8%
70.4%	2,270	2,537	267	11.7%
71.6%	2,259	2,499	240	10.6%
72.8%	2,236	2,482	246	11.0%
74.1%	2,220	2,437	217	9.8%
75.3%	2,197	2,365	168	7.7%
76.5%	2,136	2,331	195	9.2%
77.8%	2,102	2,270	168	8.0%
79.0%	2,084	2,197	113	5.4%
80.2%	1,997	2,136	139	6.9%
81.5%	1,872	2,102	230	12.3%
82.7%	1,824	2,098	274	15.0%
84.0%	1,804	1,997	193	10.7%
85.2%	1,691	1,872	182	10.7%
86.4%	1,631	1,804	174	10.6%
87.7%	1,471	1,691	220	15.0%
88.9%	1,343	1,638	294	21.9%
90.1%	1,186	1,631	445	37.5%
91.4%	1,109	1,531	422	38.0%
92.6%	1,028	1,416	388	37.7%
93.8%	910	1,197	286	31.4%
95.1%	855	1,179	323	37.8%
96.3%	800	1,047	247	30.9%
97.5%	800	903	103	12.9%
98.8%	711	848	138	19.4%
100.0%	643	408	-236	-36.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,591	-9	-0.2%
13.6%	4,600	4,576	-24	-0.5%
14.8%	4,591	4,534	-57	-1.2%
16.0%	4,576	4,530	-47	-1.0%
17.3%	4,330	4,330	0	0.0%
18.5%	4,199	4,199	0	0.0%
19.8%	4,192	4,126	-66	-1.6%
21.0%	4,138	3,752	-386	-9.3%
22.2%	3,915	3,710	-205	-5.2%
23.5%	3,710	3,644	-66	-1.8%
24.7%	3,644	3,633	-11	-0.3%
25.9%	3,633	3,523	-110	-3.0%
27.2%	3,607	3,484	-123	-3.4%
28.4%	3,602	3,469	-133	-3.7%
29.6%	3,523	3,465	-58	-1.6%
30.9%	3,465	3,377	-88	-2.5%
32.1%	3,333	3,325	-9	-0.3%
33.3%	3,325	3,317	-8	-0.2%
34.6%	3,317	3,296	-21	-0.6%
35.8%	3,296	3,290	-6	-0.2%
37.0%	3,290	3,253	-37	-1.1%
38.3%	3,156	3,086	-69	-2.2%
39.5%	3,063	3,056	-7	-0.2%
40.7%	3,009	2,891	-117	-3.9%
42.0%	2,940	2,794	-146	-5.0%
43.2%	2,815	2,784	-31	-1.1%
44.4%	2,808	2,772	-37	-1.3%
45.7%	2,794	2,747	-47	-1.7%
46.9%	2,726	2,726	0	0.0%
48.1%	2,705	2,705	0	0.0%
49.4%	2,690	2,690	0	0.0%
50.6%	2,539	2,587	48	1.9%
51.9%	2,536	2,577	41	1.6%
53.1%	2,529	2,513	-16	-0.6%
54.3%	2,527	2,484	-43	-1.7%
55.6%	2,513	2,379	-134	-5.3%
56.8%	2,508	2,372	-135	-5.4%
58.0%	2,503	2,343	-160	-6.4%
59.3%	2,406	2,332	-74	-3.1%
60.5%	2,372	2,314	-58	-2.5%
61.7%	2,343	2,288	-55	-2.3%
63.0%	2,314	2,284	-30	-1.3%
64.2%	2,288	2,281	-7	-0.3%
65.4%	2,281	2,259	-22	-1.0%
66.7%	2,277	2,251	-27	-1.2%
67.9%	2,275	2,241	-34	-1.5%
69.1%	2,241	2,240	-1	0.0%
70.4%	2,235	2,235	0	0.0%
71.6%	2,195	2,217	22	1.0%
72.8%	2,157	2,158	0	0.0%
74.1%	2,121	2,011	-109	-5.2%
75.3%	2,094	1,991	-103	-4.9%
76.5%	1,991	1,990	-1	0.0%
77.8%	1,990	1,987	-3	-0.2%
79.0%	1,987	1,971	-16	-0.8%
80.2%	1,855	1,905	50	2.7%
81.5%	1,741	1,741	0	0.0%
82.7%	1,633	1,735	102	6.2%
84.0%	1,318	1,547	229	17.4%
85.2%	1,297	1,297	0	0.0%
86.4%	1,084	1,084	0	0.0%
87.7%	1,079	1,079	0	0.0%
88.9%	1,066	1,062	-4	-0.4%
90.1%	946	949	3	0.3%
91.4%	903	903	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	600	600	0	0.0%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	569	545	-23	-4.1%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,726	2,726	0	0.0%
1.2%	2,722	2,722	0	0.0%
2.5%	2,655	2,646	-9	-0.3%
3.7%	2,347	2,338	-9	-0.4%
4.9%	2,269	2,260	-9	-0.4%
6.2%	1,951	1,942	-9	-0.5%
7.4%	1,852	1,843	-9	-0.5%
8.6%	1,665	1,666	0	0.0%
9.9%	1,625	1,616	-9	-0.6%
11.1%	1,527	1,519	-9	-0.6%
12.3%	1,470	1,461	-9	-0.6%
13.6%	1,297	1,292	-5	-0.4%
14.8%	1,215	1,197	-18	-1.5%
16.0%	1,195	1,195	0	0.0%
17.3%	1,174	1,174	0	0.0%
18.5%	1,157	1,148	-9	-0.8%
19.8%	1,119	1,119	0	0.0%
21.0%	1,111	1,111	0	0.0%
22.2%	1,099	1,099	0	0.0%
23.5%	1,085	1,085	0	0.0%
24.7%	1,083	1,083	0	0.0%
25.9%	1,076	1,076	0	0.0%
27.2%	1,003	995	-9	-0.9%
28.4%	994	994	0	0.0%
29.6%	974	974	0	0.0%
30.9%	970	969	-1	-0.1%
32.1%	950	949	0	0.0%
33.3%	949	947	-3	-0.3%
34.6%	947	940	-7	-0.7%
35.8%	938	938	0	0.0%
37.0%	931	932	1	0.1%
38.3%	919	919	0	0.0%
39.5%	916	916	0	0.0%
40.7%	904	904	0	0.0%
42.0%	893	893	0	0.0%
43.2%	893	893	0	0.0%
44.4%	880	881	0	0.0%
45.7%	878	878	0	0.0%
46.9%	856	856	0	0.0%
48.1%	855	855	0	0.0%
49.4%	853	852	0	0.0%
50.6%	852	852	0	0.0%
51.9%	847	849	2	0.2%
53.1%	819	847	29	3.5%
54.3%	817	819	2	0.2%
55.6%	816	817	0	0.1%
56.8%	802	817	14	1.8%
58.0%	800	802	2	0.3%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	600	800	200	33.3%
100.0%	600	600	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,341	4,328	-13	-0.3%
1.2%	4,184	4,171	-13	-0.3%
2.5%	4,019	4,087	68	1.7%
3.7%	3,933	3,992	59	1.5%
4.9%	2,373	2,360	-13	-0.6%
6.2%	2,265	2,252	-13	-0.6%
7.4%	2,102	2,089	-13	-0.6%
8.6%	1,825	1,812	-13	-0.7%
9.9%	1,711	1,697	-13	-0.8%
11.1%	1,424	1,411	-13	-0.9%
12.3%	1,389	1,375	-14	-1.0%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,269	-5	-0.4%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,163	-5	-0.4%
18.5%	1,163	1,064	-99	-8.5%
19.8%	1,133	1,031	-101	-9.0%
21.0%	1,106	990	-116	-10.5%
22.2%	1,064	971	-93	-8.8%
23.5%	1,044	945	-99	-9.5%
24.7%	990	943	-48	-4.8%
25.9%	984	904	-79	-8.1%
27.2%	943	890	-53	-5.6%
28.4%	905	885	-20	-2.2%
29.6%	890	885	-5	-0.6%
30.9%	885	848	-37	-4.2%
32.1%	885	835	-50	-5.7%
33.3%	876	815	-61	-6.9%
34.6%	855	811	-45	-5.2%
35.8%	835	800	-35	-4.2%
37.0%	815	800	-15	-1.8%
38.3%	804	800	-4	-0.5%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	769	-31	-3.9%

Table SW-37-5b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,059	4,313	253	6.2%
13.6%	3,953	4,134	182	4.6%
14.8%	3,901	3,953	52	1.3%
16.0%	3,847	3,901	54	1.4%
17.3%	3,782	3,847	65	1.7%
18.5%	3,561	3,782	221	6.2%
19.8%	3,556	3,638	83	2.3%
21.0%	3,476	3,561	86	2.5%
22.2%	3,378	3,476	98	2.9%
23.5%	3,364	3,378	13	0.4%
24.7%	3,203	3,135	-68	-2.1%
25.9%	3,033	3,041	8	0.3%
27.2%	2,938	2,877	-61	-2.1%
28.4%	2,877	2,873	-4	-0.1%
29.6%	2,873	2,854	-19	-0.7%
30.9%	2,869	2,843	-26	-0.9%
32.1%	2,862	2,813	-49	-1.7%
33.3%	2,834	2,789	-45	-1.6%
34.6%	2,789	2,734	-55	-2.0%
35.8%	2,752	2,721	-31	-1.1%
37.0%	2,675	2,638	-37	-1.4%
38.3%	2,664	2,631	-33	-1.3%
39.5%	2,662	2,619	-43	-1.6%
40.7%	2,638	2,463	-174	-6.6%
42.0%	2,578	2,399	-179	-6.9%
43.2%	2,523	2,055	-468	-18.6%
44.4%	2,495	2,041	-454	-18.2%
45.7%	2,489	2,039	-450	-18.1%
46.9%	2,464	1,953	-511	-20.7%
48.1%	2,400	1,928	-472	-19.7%
49.4%	2,378	1,872	-506	-21.3%
50.6%	2,348	1,863	-485	-20.6%
51.9%	2,306	1,858	-447	-19.4%
53.1%	2,302	1,850	-452	-19.6%
54.3%	2,283	1,849	-434	-19.0%
55.6%	2,041	1,837	-204	-10.0%
56.8%	1,928	1,733	-195	-10.1%
58.0%	1,858	1,723	-135	-7.3%
59.3%	1,837	1,694	-142	-7.7%
60.5%	1,775	1,691	-84	-4.8%
61.7%	1,723	1,677	-46	-2.7%
63.0%	1,677	1,668	-9	-0.6%
64.2%	1,668	1,666	-2	-0.1%
65.4%	1,666	1,653	-13	-0.8%
66.7%	1,663	1,651	-12	-0.7%
67.9%	1,653	1,640	-14	-0.8%
69.1%	1,651	1,610	-41	-2.5%
70.4%	1,640	1,595	-46	-2.8%
71.6%	1,610	1,526	-84	-5.2%
72.8%	1,599	1,521	-78	-4.9%
74.1%	1,595	1,408	-187	-11.7%
75.3%	1,506	1,279	-227	-15.1%
76.5%	1,304	885	-419	-32.1%
77.8%	1,260	857	-403	-32.0%
79.0%	1,220	846	-374	-30.6%
80.2%	1,156	846	-310	-26.8%
81.5%	886	846	-40	-4.5%
82.7%	846	840	-6	-0.7%
84.0%	846	840	-6	-0.7%
85.2%	840	840	0	0.0%
86.4%	840	840	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	800	200	33.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,595	4,600	5	0.1%
43.2%	4,569	4,600	31	0.7%
44.4%	4,562	4,600	38	0.8%
45.7%	4,540	4,600	60	1.3%
46.9%	4,523	4,591	68	1.5%
48.1%	4,522	4,582	59	1.3%
49.4%	4,514	4,560	47	1.0%
50.6%	4,509	4,539	30	0.7%
51.9%	4,505	4,534	28	0.6%
53.1%	4,500	4,529	29	0.6%
54.3%	4,492	4,524	32	0.7%
55.6%	4,486	4,521	35	0.8%
56.8%	4,476	4,513	37	0.8%
58.0%	4,470	4,505	34	0.8%
59.3%	4,399	4,492	92	2.1%
60.5%	4,394	4,476	83	1.9%
61.7%	4,347	4,472	125	2.9%
63.0%	4,320	4,470	149	3.5%
64.2%	4,271	4,439	168	3.9%
65.4%	4,259	4,417	158	3.7%
66.7%	4,164	4,400	236	5.7%
67.9%	4,109	4,393	284	6.9%
69.1%	3,970	4,391	421	10.6%
70.4%	3,964	4,325	361	9.1%
71.6%	3,897	4,156	259	6.7%
72.8%	3,820	4,033	213	5.6%
74.1%	3,662	3,878	217	5.9%
75.3%	3,611	3,535	-76	-2.1%
76.5%	3,568	3,390	-178	-5.0%
77.8%	3,419	3,346	-74	-2.1%
79.0%	3,405	3,307	-98	-2.9%
80.2%	3,263	3,229	-34	-1.0%
81.5%	3,220	3,179	-41	-1.3%
82.7%	3,099	3,066	-33	-1.1%
84.0%	3,058	3,059	1	0.0%
85.2%	2,930	3,019	89	3.0%
86.4%	2,844	3,011	168	5.9%
87.7%	2,678	2,939	261	9.8%
88.9%	2,575	2,260	-315	-12.2%
90.1%	1,995	2,236	242	12.1%
91.4%	1,861	1,956	95	5.1%
92.6%	832	1,808	976	117.3%
93.8%	800	1,094	294	36.7%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	600	800	200	33.3%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,600	4,600	0	0.0%
44.4%	4,600	4,600	0	0.0%
45.7%	4,600	4,600	0	0.0%
46.9%	4,600	4,600	0	0.0%
48.1%	4,600	4,600	0	0.0%
49.4%	4,600	4,600	0	0.0%
50.6%	4,600	4,600	0	0.0%
51.9%	4,600	4,600	0	0.0%
53.1%	4,600	4,600	0	0.0%
54.3%	4,600	4,600	0	0.0%
55.6%	4,600	4,600	0	0.0%
56.8%	4,600	4,600	0	0.0%
58.0%	4,600	4,600	0	0.0%
59.3%	4,600	4,600	0	0.0%
60.5%	4,600	4,600	0	0.0%
61.7%	4,600	4,600	0	0.0%
63.0%	4,556	4,600	44	1.0%
64.2%	4,553	4,411	-142	-3.1%
65.4%	4,535	4,396	-139	-3.1%
66.7%	4,481	4,357	-123	-2.8%
67.9%	4,445	4,315	-130	-2.9%
69.1%	4,155	4,312	156	3.8%
70.4%	4,021	4,268	247	6.1%
71.6%	3,950	4,110	160	4.1%
72.8%	3,889	4,078	189	4.9%
74.1%	3,881	3,866	-15	-0.4%
75.3%	3,824	3,822	-2	-0.1%
76.5%	3,495	3,576	81	2.3%
77.8%	3,485	3,509	24	0.7%
79.0%	3,453	3,293	-159	-4.6%
80.2%	3,390	3,072	-319	-9.4%
81.5%	3,333	2,906	-427	-12.8%
82.7%	3,290	2,705	-586	-17.8%
84.0%	3,118	2,689	-429	-13.8%
85.2%	2,710	2,670	-39	-1.5%
86.4%	2,481	2,469	-12	-0.5%
87.7%	2,454	2,273	-181	-7.4%
88.9%	1,927	1,759	-168	-8.7%
90.1%	1,717	1,665	-52	-3.1%
91.4%	1,658	1,649	-10	-0.6%
92.6%	1,325	1,605	279	21.1%
93.8%	974	800	-174	-17.9%
95.1%	600	800	200	33.3%
96.3%	600	600	0	0.0%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,579	4,600	21	0.5%
39.5%	4,533	4,600	67	1.5%
40.7%	4,531	4,600	69	1.5%
42.0%	4,502	4,600	98	2.2%
43.2%	4,481	4,600	119	2.7%
44.4%	4,470	4,600	130	2.9%
45.7%	4,457	4,594	138	3.1%
46.9%	4,451	4,579	128	2.9%
48.1%	4,443	4,549	106	2.4%
49.4%	4,434	4,547	113	2.5%
50.6%	4,411	4,531	120	2.7%
51.9%	4,410	4,529	119	2.7%
53.1%	4,336	4,525	189	4.4%
54.3%	4,329	4,521	192	4.4%
55.6%	4,229	4,500	270	6.4%
56.8%	4,121	4,499	379	9.2%
58.0%	4,022	4,476	454	11.3%
59.3%	4,006	4,474	468	11.7%
60.5%	4,000	4,451	451	11.3%
61.7%	3,813	4,450	637	16.7%
63.0%	3,810	4,435	625	16.4%
64.2%	3,779	4,361	581	15.4%
65.4%	3,757	4,351	594	15.8%
66.7%	3,713	4,323	610	16.4%
67.9%	3,702	4,259	557	15.0%
69.1%	3,654	4,229	575	15.7%
70.4%	3,598	4,121	522	14.5%
71.6%	3,583	4,096	513	14.3%
72.8%	3,406	4,072	666	19.6%
74.1%	3,272	4,040	767	23.4%
75.3%	3,020	3,988	968	32.1%
76.5%	2,996	3,934	938	31.3%
77.8%	2,966	3,912	946	31.9%
79.0%	2,958	3,906	948	32.1%
80.2%	2,944	3,859	915	31.1%
81.5%	2,932	3,761	829	28.3%
82.7%	2,848	3,713	865	30.4%
84.0%	2,755	3,674	919	33.4%
85.2%	2,715	3,586	871	32.1%
86.4%	2,685	3,513	828	30.8%
87.7%	2,513	3,443	930	37.0%
88.9%	2,499	3,034	535	21.4%
90.1%	2,391	2,996	605	25.3%
91.4%	2,374	2,990	616	26.0%
92.6%	2,238	2,966	728	32.5%
93.8%	2,218	2,809	591	26.6%
95.1%	1,982	2,755	773	39.0%
96.3%	1,810	2,479	669	37.0%
97.5%	800	2,431	1,631	203.8%
98.8%	800	1,065	265	33.1%
100.0%	800	800	0	0.0%

Table SW-38-5a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,286	3,247	4,962	3,508	4,143	3,854	1,060	1,117	2,549	6,539	5,927	4,840
Alternative B	3,657	4,028	4,977	3,612	4,019	3,855	1,067	1,134	2,559	6,527	6,304	5,445
Difference	371	781	15	104	-123	1	6	16	10	-13	377	604
Percent Difference[3]	11.3%	24.1%	0.3%	3.0%	-3.0%	0.0%	0.6%	1.5%	0.4%	-0.2%	6.4%	12.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,774	3,040	5,919	4,454	5,644	5,782	1,549	1,829	4,066	6,889	7,121	5,992
Alternative B	4,529	4,070	6,137	4,450	5,446	5,827	1,546	1,825	4,063	6,871	7,083	6,550
Difference	755	1,029	217	-4	-198	45	-3	-4	-3	-18	-38	558
Percent Difference	20.0%	33.9%	3.7%	-0.1%	-3.5%	0.8%	-0.2%	-0.2%	-0.1%	-0.3%	-0.5%	9.3%
Above Normal (15%)												
No Action Alternative	3,768	2,932	5,470	3,630	4,169	4,280	879	804	3,029	6,667	7,057	5,790
Alternative B	4,138	4,356	5,372	3,530	4,155	4,282	877	801	3,070	6,484	7,134	6,300
Difference	370	1,424	-98	-101	-14	2	-2	-3	40	-182	77	510
Percent Difference	9.8%	48.6%	-1.8%	-2.8%	-0.3%	0.1%	-0.3%	-0.3%	1.3%	-2.7%	1.1%	8.8%
Below Normal (17%)												
No Action Alternative	3,884	4,755	4,867	3,289	4,137	3,980	843	799	1,969	6,950	6,713	4,955
Alternative B	4,172	5,138	4,825	3,306	3,867	3,928	842	798	2,163	6,924	6,600	5,144
Difference	288	383	-42	17	-270	-52	-1	-1	194	-26	-113	189
Percent Difference	7.4%	8.0%	-0.9%	0.5%	-6.5%	-1.3%	-0.1%	-0.1%	9.8%	-0.4%	-1.7%	3.8%
Dry (22%)												
No Action Alternative	2,734	3,566	4,098	3,010	3,034	2,208	867	848	1,534	6,800	5,679	4,216
Alternative B	2,962	3,998	4,248	3,199	2,968	2,203	859	817	1,482	6,826	6,335	5,026
Difference	228	432	150	189	-66	-5	-8	-30	-52	26	656	810
Percent Difference	8.3%	12.1%	3.7%	6.3%	-2.2%	-0.2%	-0.9%	-3.6%	-3.4%	0.4%	11.5%	19.2%
Critical (15%)												
No Action Alternative	1,876	1,769	3,786	2,339	2,532	1,575	727	664	979	4,784	1,663	2,197
Alternative B	1,728	2,358	3,341	2,854	2,547	1,550	792	834	867	4,912	3,395	3,172
Difference	-148	589	-445	515	15	-24	65	171	-113	128	1,732	974
Percent Difference	-7.9%	33.3%	-11.7%	22.0%	0.6%	-1.6%	8.9%	25.7%	-11.5%	2.7%	104.1%	44.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-38-5b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

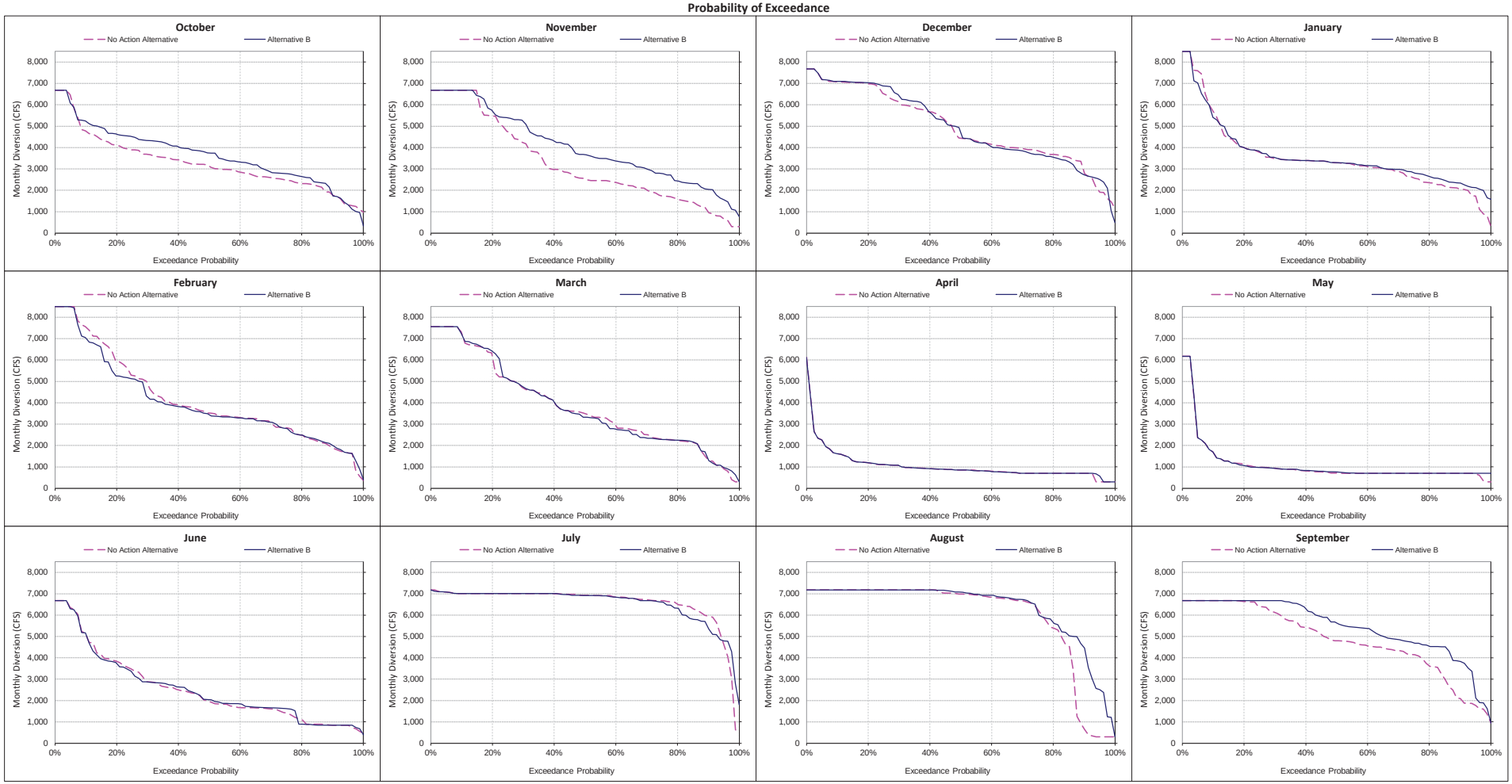

Table SW-38-5b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,473	6,083	-390	-6.0%
6.2%	5,823	5,880	57	1.0%
7.4%	5,401	5,290	-111	-2.1%
8.6%	4,842	5,277	435	9.0%
9.9%	4,780	5,249	469	9.8%
11.1%	4,646	5,109	463	10.0%
12.3%	4,625	5,036	411	8.9%
13.6%	4,520	5,011	492	10.9%
14.8%	4,387	4,954	567	12.9%
16.0%	4,315	4,894	579	13.4%
17.3%	4,262	4,661	398	9.3%
18.5%	4,137	4,660	524	12.7%
19.8%	4,117	4,639	522	12.7%
21.0%	4,065	4,578	512	12.6%
22.2%	3,969	4,568	599	15.1%
23.5%	3,936	4,545	609	15.5%
24.7%	3,893	4,519	627	16.1%
25.9%	3,888	4,477	589	15.2%
27.2%	3,867	4,377	509	13.2%
28.4%	3,694	4,350	655	17.7%
29.6%	3,687	4,335	648	17.6%
30.9%	3,668	4,334	666	18.1%
32.1%	3,605	4,311	706	19.6%
33.3%	3,573	4,288	715	20.0%
34.6%	3,550	4,276	725	20.4%
35.8%	3,539	4,211	672	19.0%
37.0%	3,510	4,129	620	17.7%
38.3%	3,443	4,072	629	18.3%
39.5%	3,428	4,069	641	18.7%
40.7%	3,411	3,989	578	16.9%
42.0%	3,321	3,967	646	19.5%
43.2%	3,280	3,951	671	20.4%
44.4%	3,228	3,876	648	20.1%
45.7%	3,223	3,874	650	20.2%
46.9%	3,211	3,850	639	19.9%
48.1%	3,211	3,808	597	18.6%
49.4%	3,193	3,751	558	17.5%
50.6%	3,073	3,742	669	21.8%
51.9%	3,009	3,736	726	24.1%
53.1%	2,997	3,504	508	16.9%
54.3%	2,983	3,463	480	16.1%
55.6%	2,979	3,403	424	14.2%
56.8%	2,965	3,373	408	13.8%
58.0%	2,952	3,369	417	14.1%
59.3%	2,875	3,330	454	15.8%
60.5%	2,836	3,312	476	16.8%
61.7%	2,802	3,297	495	17.7%
63.0%	2,780	3,246	466	16.8%
64.2%	2,704	3,195	491	18.2%
65.4%	2,647	3,190	543	20.5%
66.7%	2,630	3,051	420	16.0%
67.9%	2,630	2,984	355	13.5%
69.1%	2,612	2,904	292	11.2%
70.4%	2,582	2,823	241	9.3%
71.6%	2,546	2,818	272	10.7%
72.8%	2,537	2,795	259	10.2%
74.1%	2,502	2,792	290	11.6%
75.3%	2,468	2,780	313	12.7%
76.5%	2,445	2,756	311	12.7%
77.8%	2,376	2,701	325	13.7%
79.0%	2,338	2,673	335	14.3%
80.2%	2,318	2,634	316	13.7%
81.5%	2,317	2,598	280	12.1%
82.7%	2,284	2,582	298	13.0%
84.0%	2,257	2,401	145	6.4%
85.2%	2,196	2,372	175	8.0%
86.4%	2,143	2,348	205	9.6%
87.7%	1,919	2,332	413	21.5%
88.9%	1,916	2,143	226	11.8%
90.1%	1,760	1,734	-25	-1.4%
91.4%	1,743	1,710	-33	-1.9%
92.6%	1,586	1,627	41	2.6%
93.8%	1,365	1,439	74	5.4%
95.1%	1,316	1,312	-4	-0.3%
96.3%	1,281	1,122	-160	-12.5%
97.5%	1,244	1,008	-236	-19.0%
98.8%	1,101	957	-144	-13.1%
100.0%	978	335	-643	-65.8%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,444	-236	-3.5%
16.0%	5,855	6,389	534	9.1%
17.3%	5,520	6,265	745	13.5%
18.5%	5,508	5,846	338	6.1%
19.8%	5,466	5,760	294	5.4%
21.0%	5,465	5,527	62	1.1%
22.2%	5,119	5,431	312	6.1%
23.5%	4,989	5,412	423	8.5%
24.7%	4,758	5,404	647	13.6%
25.9%	4,697	5,366	668	14.2%
27.2%	4,411	5,308	897	20.3%
28.4%	4,384	5,302	918	20.9%
29.6%	4,246	5,278	1,032	24.3%
30.9%	4,171	5,092	921	22.1%
32.1%	3,849	4,727	878	22.8%
33.3%	3,807	4,633	826	21.7%
34.6%	3,780	4,545	766	20.3%
35.8%	3,599	4,544	945	26.2%
37.0%	3,234	4,437	1,203	37.2%
38.3%	3,029	4,408	1,379	45.5%
39.5%	2,974	4,340	1,366	45.9%
40.7%	2,973	4,237	1,264	42.5%
42.0%	2,968	4,232	1,264	42.6%
43.2%	2,860	4,170	1,310	45.8%
44.4%	2,839	4,153	1,314	46.3%
45.7%	2,766	3,992	1,226	44.3%
46.9%	2,625	3,729	1,104	42.1%
48.1%	2,576	3,683	1,108	43.0%
49.4%	2,564	3,678	1,115	43.5%
50.6%	2,488	3,649	1,161	46.7%
51.9%	2,451	3,607	1,156	47.2%
53.1%	2,451	3,538	1,087	44.3%
54.3%	2,451	3,495	1,044	42.6%
55.6%	2,451	3,492	1,041	42.5%
56.8%	2,451	3,486	1,035	42.2%
58.0%	2,419	3,442	1,022	42.3%
59.3%	2,383	3,399	1,015	42.6%
60.5%	2,354	3,363	1,009	42.9%
61.7%	2,285	3,324	1,039	45.5%
63.0%	2,263	3,304	1,041	46.0%
64.2%	2,215	3,293	1,078	48.7%
65.4%	2,205	3,232	1,027	46.6%
66.7%	2,123	3,100	978	46.1%
67.9%	2,114	3,087	972	46.0%
69.1%	2,100	3,053	953	45.4%
70.4%	1,977	2,980	1,003	50.7%
71.6%	1,924	2,917	993	51.6%
72.8%	1,872	2,803	930	49.7%
74.1%	1,773	2,802	1,029	58.1%
75.3%	1,725	2,774	1,049	60.8%
76.5%	1,717	2,721	1,004	58.4%
77.8%	1,702	2,720	1,017	59.8%
79.0%	1,639	2,451	813	49.6%
80.2%	1,565	2,437	873	55.8%
81.5%	1,532	2,373	842	55.0%
82.7%	1,494	2,346	852	57.0%
84.0%	1,462	2,321	859	58.7%
85.2%	1,440	2,311	871	60.5%
86.4%	1,317	2,311	994	75.5%
87.7%	1,231	2,151	920	74.7%
88.9%	1,202	2,065	863	71.8%
90.1%	948	2,038	1,090	115.0%
91.4%	900	2,026	1,126	125.2%
92.6%	812	1,781	968	119.2%
93.8%	790	1,637	847	107.2%
95.1%	649	1,549	900	138.7%
96.3%	587	1,457	871	148.4%
97.5%	300	1,115	815	271.8%
98.8%	300	1,067	767	255.6%
100.0%	300	767	467	155.7%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,492	7,492	0	0.0%
4.9%	7,181	7,181	0	0.0%
6.2%	7,170	7,170	0	0.0%
7.4%	7,099	7,146	47	0.7%
8.6%	7,097	7,099	2	0.0%
9.9%	7,069	7,097	28	0.4%
11.1%	7,067	7,092	25	0.4%
12.3%	7,066	7,091	25	0.4%
13.6%	7,046	7,067	21	0.3%
14.8%	7,043	7,066	23	0.3%
16.0%	7,041	7,046	5	0.1%
17.3%	7,034	7,043	9	0.1%
18.5%	7,022	7,041	19	0.3%
19.8%	6,979	7,034	55	0.8%
21.0%	6,974	7,022	48	0.7%
22.2%	6,939	6,999	59	0.9%
23.5%	6,811	6,939	129	1.9%
24.7%	6,536	6,886	351	5.4%
25.9%	6,455	6,869	414	6.4%
27.2%	6,298	6,853	555	8.8%
28.4%	6,215	6,575	361	5.8%
29.6%	6,164	6,485	321	5.2%
30.9%	5,995	6,256	261	4.4%
32.1%	5,986	6,237	251	4.2%
33.3%	5,948	6,192	244	4.1%
34.6%	5,922	6,169	247	4.2%
35.8%	5,816	6,161	345	5.9%
37.0%	5,795	6,107	312	5.4%
38.3%	5,750	5,940	190	3.3%
39.5%	5,670	5,696	26	0.5%
40.7%	5,659	5,559	-100	-1.8%
42.0%	5,594	5,351	-243	-4.4%
43.2%	5,486	5,322	-165	-3.0%
44.4%	5,351	5,295	-56	-1.0%
45.7%	5,166	5,070	-96	-1.9%
46.9%	5,049	5,020	-29	-0.6%
48.1%	4,672	4,999	327	7.0%
49.4%	4,451	4,931	481	10.8%
50.6%	4,421	4,435	13	0.3%
51.9%	4,414	4,421	7	0.2%
53.1%	4,401	4,401	0	0.0%
54.3%	4,334	4,283	-51	-1.2%
55.6%	4,283	4,234	-49	-1.1%
56.8%	4,234	4,217	-17	-0.4%
58.0%	4,208	4,208	0	0.0%
59.3%	4,165	4,097	-69	-1.7%
60.5%	4,136	4,004	-132	-3.2%
61.7%	4,097	4,003	-93	-2.3%
63.0%	4,080	3,976	-104	-2.5%
64.2%	4,027	3,943	-84	-2.1%
65.4%	4,004	3,904	-100	-2.5%
66.7%	4,003	3,899	-104	-2.6%
67.9%	3,992	3,886	-106	-2.6%
69.1%	3,976	3,874	-102	-2.6%
70.4%	3,943	3,829	-114	-2.9%
71.6%	3,904	3,775	-129	-3.3%
72.8%	3,899	3,710	-189	-4.9%
74.1%	3,886	3,674	-212	-5.4%
75.3%	3,829	3,674	-155	-4.0%
76.5%	3,775	3,659	-116	-3.1%
77.8%	3,710	3,586	-124	-3.4%
79.0%	3,674	3,583	-92	-2.5%
80.2%	3,674	3,531	-143	-3.9%
81.5%	3,659	3,487	-172	-4.7%
82.7%	3,586	3,426	-160	-4.5%
84.0%	3,583	3,412	-171	-4.8%
85.2%	3,531	3,321	-210	-6.0%
86.4%	3,426	3,207	-219	-6.4%
87.7%	3,383	2,933	-450	-13.3%
88.9%	3,356	2,813	-543	-16.2%
90.1%	2,779	2,708	-70	-2.5%
91.4%	2,643	2,675	31	1.2%
92.6%	2,549	2,625	76	3.0%
93.8%	2,132	2,565	433	20.3%
95.1%	1,913	2,501	588	30.7%
96.3%	1,901	2,388	487	25.6%
97.5%	1,614	2,099	486	30.1%
98.8%	1,455	1,035	-420	-28.9%
100.0%	1,149	483	-666	-57.9%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	7,621	7,121	-500	-6.6%
4.9%	7,589	7,029	-559	-7.4%
6.2%	7,449	6,529	-920	-12.4%
7.4%	6,529	6,230	-299	-4.6%
8.6%	6,020	5,994	-27	-0.4%
9.9%	5,718	5,410	-308	-5.4%
11.1%	5,438	5,297	-141	-2.6%
12.3%	5,014	5,050	36	0.7%
13.6%	4,564	4,987	423	9.3%
14.8%	4,438	4,564	126	2.8%
16.0%	4,404	4,425	21	0.5%
17.3%	4,230	4,390	160	3.8%
18.5%	4,063	4,063	0	0.0%
19.8%	4,014	4,010	-4	-0.1%
21.0%	3,934	3,934	0	0.0%
22.2%	3,888	3,888	0	0.0%
23.5%	3,880	3,880	0	0.0%
24.7%	3,800	3,842	42	1.1%
25.9%	3,729	3,729	0	0.0%
27.2%	3,554	3,712	158	4.5%
28.4%	3,545	3,554	9	0.2%
29.6%	3,490	3,545	54	1.6%
30.9%	3,489	3,489	0	0.0%
32.1%	3,442	3,442	0	0.0%
33.3%	3,426	3,426	0	0.0%
34.6%	3,424	3,424	0	0.0%
35.8%	3,414	3,414	0	0.0%
37.0%	3,410	3,410	0	0.0%
38.3%	3,397	3,397	0	0.0%
39.5%	3,392	3,392	0	0.0%
40.7%	3,389	3,389	0	0.0%
42.0%	3,386	3,386	0	0.0%
43.2%	3,375	3,375	0	0.0%
44.4%	3,374	3,374	0	0.0%
45.7%	3,370	3,370	0	0.0%
46.9%	3,351	3,351	0	0.0%
48.1%	3,298	3,298	0	0.0%
49.4%	3,291	3,295	4	0.1%
50.6%	3,285	3,291	6	0.2%
51.9%	3,269	3,285	17	0.5%
53.1%	3,260	3,269	9	0.3%
54.3%	3,246	3,260	14	0.4%
55.6%	3,190	3,246	56	1.7%
56.8%	3,162	3,190	29	0.9%
58.0%	3,142	3,189	46	1.5%
59.3%	3,142	3,162	20	0.6%
60.5%	3,080	3,151	72	2.3%
61.7%	3,060	3,142	82	2.7%
63.0%	3,056	3,141	85	2.8%
64.2%	3,044	3,060	16	0.5%
65.4%	2,986	3,012	26	0.9%
66.7%	2,980	2,995	15	0.5%
67.9%	2,968	2,986	18	0.6%
69.1%	2,880	2,985	105	3.6%
70.4%	2,873	2,980	107	3.7%
71.6%	2,803	2,954	151	5.4%
72.8%	2,638	2,880	242	9.2%
74.1%	2,634	2,873	239	9.1%
75.3%	2,563	2,803	240	9.4%
76.5%	2,522	2,777	255	10.1%
77.8%	2,387	2,750	362	15.2%
79.0%	2,373	2,690	317	13.4%
80.2%	2,346	2,634	288	12.3%
81.5%	2,339	2,574	235	10.1%
82.7%	2,268	2,563	295	13.0%
84.0%	2,261	2,522	261	11.5%
85.2%	2,186	2,459	273	12.5%
86.4%	2,136	2,387	251	11.8%
87.7%	2,121	2,373	252	11.9%
88.9%	2,110	2,346	236	11.2%
90.1%	2,048	2,339	291	14.2%
91.4%	2,046	2,261	214	10.5%
92.6%	1,993	2,186	194	9.7%
93.8%	1,748	2,136	388	22.2%
95.1%	1,730	2,121	391	22.6%
96.3%	1,110	2,048	937	84.4%
97.5%	897	1,993	1,095	122.1%
98.8%	823	1,655	832	101.2%
100.0%	300	1,575	1,275	425.0%

Table SW-38-5b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,437	-63	-0.7%
7.4%	7,829	7,655	-174	-2.2%
8.6%	7,655	7,119	-536	-7.0%
9.9%	7,556	7,054	-502	-6.6%
11.1%	7,390	6,837	-553	-7.5%
12.3%	7,119	6,804	-315	-4.4%
13.6%	7,111	6,702	-409	-5.8%
14.8%	6,901	6,616	-285	-4.1%
16.0%	6,756	5,927	-830	-12.3%
17.3%	6,616	5,913	-703	-10.6%
18.5%	6,391	5,496	-896	-14.0%
19.8%	5,938	5,259	-679	-11.4%
21.0%	5,914	5,251	-662	-11.2%
22.2%	5,784	5,198	-586	-10.1%
23.5%	5,624	5,178	-446	-7.9%
24.7%	5,288	5,123	-165	-3.1%
25.9%	5,251	5,100	-151	-2.9%
27.2%	5,123	5,007	-116	-2.3%
28.4%	5,100	4,975	-124	-2.4%
29.6%	5,008	4,320	-689	-13.7%
30.9%	4,622	4,170	-452	-9.8%
32.1%	4,408	4,166	-243	-5.5%
33.3%	4,320	4,047	-273	-6.3%
34.6%	4,251	4,032	-218	-5.1%
35.8%	4,047	3,932	-114	-2.8%
37.0%	4,032	3,909	-123	-3.1%
38.3%	3,932	3,870	-62	-1.6%
39.5%	3,909	3,832	-78	-2.0%
40.7%	3,870	3,812	-58	-1.5%
42.0%	3,831	3,797	-34	-0.9%
43.2%	3,812	3,712	-100	-2.6%
44.4%	3,797	3,646	-151	-4.0%
45.7%	3,711	3,600	-111	-3.0%
46.9%	3,646	3,588	-58	-1.6%
48.1%	3,600	3,513	-88	-2.4%
49.4%	3,520	3,485	-35	-1.0%
50.6%	3,505	3,377	-128	-3.7%
51.9%	3,486	3,376	-110	-3.2%
53.1%	3,383	3,364	-19	-0.6%
54.3%	3,377	3,337	-40	-1.2%
55.6%	3,376	3,335	-41	-1.2%
56.8%	3,348	3,332	-16	-0.5%
58.0%	3,335	3,316	-18	-0.6%
59.3%	3,316	3,285	-31	-0.9%
60.5%	3,285	3,283	-3	-0.1%
61.7%	3,283	3,257	-26	-0.8%
63.0%	3,268	3,255	-13	-0.4%
64.2%	3,257	3,252	-5	-0.1%
65.4%	3,252	3,161	-91	-2.8%
66.7%	3,161	3,152	-9	-0.3%
67.9%	3,152	3,150	-2	-0.1%
69.1%	3,150	3,096	-54	-1.7%
70.4%	3,000	3,091	91	3.0%
71.6%	2,861	3,000	138	4.8%
72.8%	2,856	2,862	6	0.2%
74.1%	2,825	2,809	-16	-0.6%
75.3%	2,821	2,788	-33	-1.2%
76.5%	2,777	2,629	-149	-5.4%
77.8%	2,537	2,537	0	0.0%
79.0%	2,499	2,499	0	0.0%
80.2%	2,482	2,482	0	0.0%
81.5%	2,331	2,392	61	2.6%
82.7%	2,312	2,365	53	2.3%
84.0%	2,270	2,331	61	2.7%
85.2%	2,197	2,270	73	3.3%
86.4%	2,136	2,197	61	2.9%
87.7%	2,102	2,136	34	1.6%
88.9%	1,997	2,102	105	5.2%
90.1%	1,872	1,997	125	6.7%
91.4%	1,804	1,872	68	3.8%
92.6%	1,728	1,804	77	4.4%
93.8%	1,691	1,691	0	0.0%
95.1%	1,650	1,655	4	0.3%
96.3%	1,631	1,631	0	0.0%
97.5%	807	1,270	463	57.4%
98.8%	553	886	333	60.2%
100.0%	366	389	23	6.2%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,525	7,561	36	0.5%
9.9%	7,317	7,254	-62	-0.9%
11.1%	6,790	6,870	80	1.2%
12.3%	6,711	6,861	150	2.2%
13.6%	6,698	6,776	78	1.2%
14.8%	6,659	6,744	85	1.3%
16.0%	6,617	6,659	42	0.6%
17.3%	6,569	6,546	-23	-0.4%
18.5%	6,373	6,544	171	2.7%
19.8%	6,341	6,433	92	1.5%
21.0%	5,383	6,293	909	16.9%
22.2%	5,212	6,061	849	16.3%
23.5%	5,206	5,206	0	0.0%
24.7%	5,149	5,149	0	0.0%
25.9%	5,033	5,033	0	0.0%
27.2%	4,994	4,988	-6	-0.1%
28.4%	4,899	4,899	0	0.0%
29.6%	4,717	4,769	52	1.1%
30.9%	4,611	4,659	48	1.0%
32.1%	4,591	4,591	0	0.0%
33.3%	4,576	4,576	0	0.0%
34.6%	4,467	4,465	-1	0.0%
35.8%	4,432	4,330	-102	-2.3%
37.0%	4,330	4,313	-18	-0.4%
38.3%	4,199	4,199	0	0.0%
39.5%	4,138	4,126	-12	-0.3%
40.7%	3,865	3,865	0	0.0%
42.0%	3,710	3,710	0	0.0%
43.2%	3,644	3,644	0	0.0%
44.4%	3,633	3,633	0	0.0%
45.7%	3,607	3,523	-84	-2.3%
46.9%	3,602	3,484	-118	-3.3%
48.1%	3,567	3,465	-102	-2.8%
49.4%	3,523	3,325	-198	-5.6%
50.6%	3,465	3,317	-148	-4.3%
51.9%	3,378	3,296	-82	-2.4%
53.1%	3,325	3,290	-35	-1.0%
54.3%	3,317	3,253	-64	-1.9%
55.6%	3,296	3,056	-240	-7.3%
56.8%	3,290	3,029	-261	-7.9%
58.0%	3,156	2,794	-362	-11.5%
59.3%	3,063	2,784	-280	-9.1%
60.5%	2,815	2,747	-68	-2.4%
61.7%	2,808	2,726	-83	-2.9%
63.0%	2,794	2,705	-88	-3.2%
64.2%	2,773	2,690	-83	-3.0%
65.4%	2,726	2,522	-204	-7.5%
66.7%	2,705	2,513	-193	-7.1%
67.9%	2,690	2,379	-311	-11.5%
69.1%	2,513	2,372	-140	-5.6%
70.4%	2,503	2,343	-160	-6.4%
71.6%	2,372	2,332	-40	-1.7%
72.8%	2,343	2,314	-29	-1.2%
74.1%	2,314	2,288	-26	-1.1%
75.3%	2,288	2,284	-4	-0.2%
76.5%	2,281	2,281	0	0.0%
77.8%	2,275	2,259	-15	-0.7%
79.0%	2,241	2,251	10	0.4%
80.2%	2,235	2,241	6	0.3%
81.5%	2,206	2,240	34	1.5%
82.7%	2,195	2,235	40	1.8%
84.0%	2,157	2,203	45	2.1%
85.2%	2,137	2,158	21	1.0%
86.4%	2,079	2,079	0	0.0%
87.7%	1,741	1,741	0	0.0%
88.9%	1,505	1,707	202	13.5%
90.1%	1,297	1,297	0	0.0%
91.4%	1,271	1,169	-102	-8.0%
92.6%	1,084	1,084	0	0.0%
93.8%	1,079	1,079	0	0.0%
95.1%	903	959	56	6.2%
96.3%	798	903	104	13.1%
97.5%	402	802	400	99.5%
98.8%	300	625	325	108.3%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	4,375	4,375	0	0.0%
2.5%	2,655	2,646	-9	-0.3%
3.7%	2,347	2,338	-9	-0.4%
4.9%	2,269	2,260	-9	-0.4%
6.2%	1,951	1,942	-9	-0.5%
7.4%	1,852	1,843	-9	-0.5%
8.6%	1,665	1,666	0	0.0%
9.9%	1,625	1,616	-9	-0.6%
11.1%	1,592	1,592	0	0.0%
12.3%	1,527	1,519	-9	-0.6%
13.6%	1,470	1,461	-9	-0.6%
14.8%	1,297	1,292	-5	-0.4%
16.0%	1,239	1,239	0	0.0%
17.3%	1,221	1,221	0	0.0%
18.5%	1,221	1,212	-9	-0.7%
19.8%	1,195	1,195	0	0.0%
21.0%	1,157	1,180	23	2.0%
22.2%	1,119	1,148	28	2.5%
23.5%	1,111	1,119	9	0.8%
24.7%	1,102	1,111	9	0.8%
25.9%	1,099	1,099	0	0.0%
27.2%	1,085	1,085	0	0.0%
28.4%	1,083	1,083	0	0.0%
29.6%	1,076	1,076	0	0.0%
30.9%	1,003	995	-9	-0.9%
32.1%	974	974	0	0.0%
33.3%	970	969	-1	-0.1%
34.6%	950	949	0	0.0%
35.8%	949	947	-3	-0.3%
37.0%	947	940	-7	-0.7%
38.3%	931	932	1	0.1%
39.5%	919	919	0	0.0%
40.7%	916	916	0	0.0%
42.0%	904	904	0	0.0%
43.2%	893	893	0	0.0%
44.4%	893	893	0	0.0%
45.7%	880	881	0	0.0%
46.9%	878	878	0	0.0%
48.1%	861	856	-5	-0.6%
49.4%	856	855	-1	-0.1%
50.6%	855	852	-3	-0.3%
51.9%	853	852	0	0.0%
53.1%	852	847	-5	-0.6%
54.3%	847	819	-29	-3.4%
55.6%	819	817	-2	-0.2%
56.8%	817	817	0	0.0%
58.0%	816	802	-14	-1.7%
59.3%	802	791	-12	-1.4%
60.5%	791	777	-14	-1.7%
61.7%	777	766	-11	-1.4%
63.0%	766	765	-1	-0.2%
64.2%	764	750	-14	-1.9%
65.4%	750	748	-2	-0.2%
66.7%	734	740	6	0.8%
67.9%	724	734	10	1.3%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	300	679	379	126.2%
95.1%	300	572	272	90.6%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	6,177	6,177	0	0.0%
3.7%	4,356	4,356	0	0.0%
4.9%	2,373	2,360	-13	-0.6%
6.2%	2,265	2,252	-13	-0.6%
7.4%	2,102	2,089	-13	-0.6%
8.6%	1,825	1,812	-13	-0.7%
9.9%	1,711	1,697	-13	-0.8%
11.1%	1,424	1,411	-13	-0.9%
12.3%	1,389	1,375	-14	-1.0%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,269	-5	-0.4%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,163	-5	-0.4%
18.5%	1,163	1,087	-76	-6.5%
19.8%	1,133	1,064	-68	-6.0%
21.0%	1,064	1,031	-33	-3.1%
22.2%	1,044	990	-54	-5.2%
23.5%	990	982	-9	-0.9%
24.7%	984	971	-12	-1.3%
25.9%	982	971	-11	-1.1%
27.2%	967	960	-8	-0.8%
28.4%	959	945	-14	-1.5%
29.6%	943	943	0	0.0%
30.9%	916	917	1	0.1%
32.1%	905	904	0	-0.1%
33.3%	890	890	0	0.0%
34.6%	885	888	3	0.3%
35.8%	885	885	0	0.1%
37.0%	855	885	29	3.4%
38.3%	835	848	14	1.6%
39.5%	815	837	22	2.7%
40.7%	804	835	30	3.8%
42.0%	793	815	22	2.7%
43.2%	770	811	41	5.3%
44.4%	764	795	30	4.0%
45.7%	754	793	39	5.2%
46.9%	752	770	17	2.3%
48.1%	714	769	55	7.7%
49.4%	711	764	54	7.5%
50.6%	710	755	45	6.3%
51.9%	703	749	46	6.6%
53.1%	700	714	14	2.0%
54.3%	700	711	11	1.5%
55.6%	700	711	11	1.5%
56.8%	700	701	1	0.1%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	678	700	22	3.2%
96.3%	599	700	101	16.9%
97.5%	360	700	340	94.3%
98.8%	300	700	400	133.3%
100.0%	300	700	400	133.3%

Table SW-38-5b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,357	6,296	-62	-1.0%
6.2%	6,257	6,255	-1	0.0%
7.4%	6,033	5,971	-62	-1.0%
8.6%	5,234	5,180	-55	-1.0%
9.9%	5,149	5,172	24	0.5%
11.1%	4,712	4,681	-31	-0.7%
12.3%	4,708	4,313	-395	-8.4%
13.6%	4,233	4,134	-99	-2.3%
14.8%	4,171	3,953	-219	-5.2%
16.0%	3,965	3,901	-64	-1.6%
17.3%	3,953	3,847	-106	-2.7%
18.5%	3,901	3,830	-71	-1.8%
19.8%	3,847	3,782	-65	-1.7%
21.0%	3,782	3,573	-209	-5.5%
22.2%	3,645	3,561	-84	-2.3%
23.5%	3,561	3,476	-85	-2.4%
24.7%	3,476	3,378	-98	-2.8%
25.9%	3,378	3,137	-240	-7.1%
27.2%	3,325	3,041	-283	-8.5%
28.4%	3,129	2,877	-253	-8.1%
29.6%	2,877	2,873	-4	-0.1%
30.9%	2,873	2,854	-19	-0.7%
32.1%	2,849	2,843	-6	-0.2%
33.3%	2,789	2,832	44	1.6%
34.6%	2,675	2,813	138	5.2%
35.8%	2,638	2,789	151	5.7%
37.0%	2,606	2,734	128	4.9%
38.3%	2,595	2,721	125	4.8%
39.5%	2,523	2,638	115	4.5%
40.7%	2,466	2,631	165	6.7%
42.0%	2,464	2,619	155	6.3%
43.2%	2,400	2,463	64	2.7%
44.4%	2,348	2,399	51	2.2%
45.7%	2,322	2,331	9	0.4%
46.9%	2,238	2,250	12	0.5%
48.1%	2,041	2,055	14	0.7%
49.4%	1,969	2,041	72	3.7%
50.6%	1,928	2,039	111	5.7%
51.9%	1,858	1,953	95	5.1%
53.1%	1,837	1,928	91	5.0%
54.3%	1,827	1,872	45	2.4%
55.6%	1,826	1,863	37	2.0%
56.8%	1,746	1,858	112	6.4%
58.0%	1,723	1,850	127	7.4%
59.3%	1,677	1,849	172	10.3%
60.5%	1,668	1,837	169	10.1%
61.7%	1,667	1,723	56	3.3%
63.0%	1,666	1,717	51	3.1%
64.2%	1,665	1,691	26	1.6%
65.4%	1,653	1,690	37	2.2%
66.7%	1,651	1,677	27	1.6%
67.9%	1,640	1,668	28	1.7%
69.1%	1,610	1,666	55	3.4%
70.4%	1,599	1,653	54	3.4%
71.6%	1,595	1,651	56	3.5%
72.8%	1,506	1,645	139	9.3%
74.1%	1,442	1,640	198	13.8%
75.3%	1,416	1,610	194	13.7%
76.5%	1,320	1,595	275	20.8%
77.8%	1,206	1,521	315	26.1%
79.0%	1,153	892	-261	-22.6%
80.2%	1,080	892	-188	-17.4%
81.5%	892	885	-8	-0.8%
82.7%	892	880	-12	-1.4%
84.0%	892	857	-35	-3.9%
85.2%	892	851	-41	-4.6%
86.4%	886	851	-35	-3.9%
87.7%	880	846	-34	-3.8%
88.9%	851	846	-5	-0.6%
90.1%	846	846	0	0.0%
91.4%	846	844	-2	-0.2%
92.6%	844	840	-4	-0.5%
93.8%	840	840	0	0.0%
95.1%	840	840	0	0.0%
96.3%	733	840	106	14.5%
97.5%	680	733	54	7.9%
98.8%	558	680	121	21.7%
100.0%	455	400	-55	-12.1%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,115	-65	-0.9%
2.5%	7,115	7,092	-23	-0.3%
3.7%	7,092	7,092	0	0.0%
4.9%	7,077	7,077	0	0.0%
6.2%	7,073	7,063	-10	-0.1%
7.4%	7,030	7,026	-5	-0.1%
8.6%	7,005	7,012	8	0.1%
9.9%	7,005	7,005	0	0.0%
11.1%	7,005	7,005	0	0.0%
12.3%	7,005	7,005	0	0.0%
13.6%	7,005	7,005	0	0.0%
14.8%	7,005	7,005	0	0.0%
16.0%	7,005	7,005	0	0.0%
17.3%	7,005	7,005	0	0.0%
18.5%	7,005	7,005	0	0.0%
19.8%	7,005	7,005	0	0.0%
21.0%	7,005	7,005	0	0.0%
22.2%	7,005	7,005	0	0.0%
23.5%	7,005	7,005	0	0.0%
24.7%	7,005	7,005	0	0.0%
25.9%	7,005	7,005	0	0.0%
27.2%	7,005	7,005	0	0.0%
28.4%	7,005	7,005	0	0.0%
29.6%	7,005	7,005	0	0.0%
30.9%	7,005	7,005	0	0.0%
32.1%	7,005	7,005	0	0.0%
33.3%	7,005	7,005	0	0.0%
34.6%	7,005	7,005	0	0.0%
35.8%	7,005	7,005	0	0.0%
37.0%	7,005	7,005	0	0.0%
38.3%	7,005	7,005	0	0.0%
39.5%	7,005	7,005	0	0.0%
40.7%	7,002	7,005	3	0.0%
42.0%	6,994	6,970	-24	-0.3%
43.2%	6,983	6,967	-16	-0.2%
44.4%	6,976	6,957	-19	-0.3%
45.7%	6,972	6,929	-44	-0.6%
46.9%	6,970	6,929	-41	-0.6%
48.1%	6,929	6,929	0	0.0%
49.4%	6,929	6,915	-14	-0.2%
50.6%	6,929	6,915	-14	-0.2%
51.9%	6,929	6,915	-14	-0.2%
53.1%	6,915	6,915	0	0.0%
54.3%	6,915	6,915	0	0.0%
55.6%	6,915	6,907	-8	-0.1%
56.8%	6,915	6,905	-10	-0.1%
58.0%	6,915	6,871	-44	-0.6%
59.3%	6,852	6,843	-10	-0.1%
60.5%	6,843	6,829	-14	-0.2%
61.7%	6,841	6,809	-32	-0.5%
63.0%	6,829	6,804	-25	-0.4%
64.2%	6,781	6,783	2	0.0%
65.4%	6,764	6,781	17	0.2%
66.7%	6,763	6,754	-9	-0.1%
67.9%	6,736	6,681	-55	-0.8%
69.1%	6,731	6,680	-51	-0.8%
70.4%	6,713	6,680	-33	-0.5%
71.6%	6,690	6,680	-10	-0.1%
72.8%	6,680	6,659	-21	-0.3%
74.1%	6,680	6,615	-65	-1.0%
75.3%	6,680	6,608	-72	-1.1%
76.5%	6,643	6,479	-164	-2.5%
77.8%	6,614	6,460	-154	-2.3%
79.0%	6,602	6,335	-267	-4.0%
80.2%	6,485	6,321	-164	-2.5%
81.5%	6,456	6,012	-445	-6.9%
82.7%	6,410	5,990	-420	-6.6%
84.0%	6,406	5,849	-558	-8.7%
85.2%	6,278	5,795	-483	-7.7%
86.4%	6,226	5,791	-436	-7.0%
87.7%	6,104	5,718	-386	-6.3%
88.9%	5,987	5,705	-282	-4.7%
90.1%	5,954	5,352	-603	-10.1%
91.4%	5,906	5,099	-807	-13.7%
92.6%	5,651	5,090	-561	-9.9%
93.8%	5,118	4,845	-273	-5.3%
95.1%	4,589	4,790	202	4.4%
96.3%	4,035	4,779	744	18.4%
97.5%	3,026	4,287	1,261	41.7%
98.8%	635	2,778	2,143	337.7%
100.0%	459	1,799	1,339	291.4%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,180	0	0.0%
2.5%	7,180	7,180	0	0.0%
3.7%	7,180	7,180	0	0.0%
4.9%	7,180	7,180	0	0.0%
6.2%	7,180	7,180	0	0.0%
7.4%	7,180	7,180	0	0.0%
8.6%	7,180	7,180	0	0.0%
9.9%	7,180	7,180	0	0.0%
11.1%	7,180	7,180	0	0.0%
12.3%	7,180	7,180	0	0.0%
13.6%	7,180	7,180	0	0.0%
14.8%	7,180	7,180	0	0.0%
16.0%	7,180	7,180	0	0.0%
17.3%	7,180	7,180	0	0.0%
18.5%	7,180	7,180	0	0.0%
19.8%	7,180	7,180	0	0.0%
21.0%	7,180	7,180	0	0.0%
22.2%	7,180	7,180	0	0.0%
23.5%	7,180	7,180	0	0.0%
24.7%	7,180	7,180	0	0.0%
25.9%	7,180	7,180	0	0.0%
27.2%	7,180	7,180	0	0.0%
28.4%	7,180	7,180	0	0.0%
29.6%	7,180	7,180	0	0.0%
30.9%	7,180	7,180	0	0.0%
32.1%	7,180	7,180	0	0.0%
33.3%	7,180	7,180	0	0.0%
34.6%	7,180	7,180	0	0.0%
35.8%	7,180	7,180	0	0.0%
37.0%	7,180	7,180	0	0.0%
38.3%	7,180	7,180	0	0.0%
39.5%	7,180	7,180	0	0.0%
40.7%	7,180	7,180	0	0.0%
42.0%	7,180	7,169	-11	-0.2%
43.2%	7,080	7,163	83	1.2%
44.4%	7,030	7,163	133	1.9%
45.7%	7,030	7,145	115	1.6%
46.9%	7,027	7,120	93	1.3%
48.1%	7,020	7,080	60	0.9%
49.4%	6,980	7,080	99	1.4%
50.6%	6,980	7,064	83	1.2%
51.9%	6,972	7,030	58	0.8%
53.1%	6,971	7,027	56	0.8%
54.3%	6,948	6,980	31	0.5%
55.6%	6,934	6,975	41	0.6%
56.8%	6,906	6,930	24	0.4%
58.0%	6,874	6,930	56	0.8%
59.3%	6,836	6,930	94	1.4%
60.5%	6,830	6,930	100	1.5%
61.7%	6,806	6,864	58	0.9%
63.0%	6,795	6,845	50	0.7%
64.2%	6,772	6,830	58	0.9%
65.4%	6,767	6,807	40	0.6%
66.7%	6,721	6,769	48	0.7%
67.9%	6,691	6,737	46	0.7%
69.1%	6,680	6,735	55	0.8%
70.4%	6,660	6,723	64	1.0%
71.6%	6,603	6,680	77	1.2%
72.8%	6,555	6,577	22	0.3%
74.1%	6,429	6,507	78	1.2%
75.3%	6,180	5,992	-188	-3.0%
76.5%	5,937	5,906	-31	-0.5%
77.8%	5,696	5,840	144	2.5%
79.0%	5,436	5,823	386	7.1%
80.2%	5,383	5,603	221	4.1%
81.5%	5,295	5,549	255	4.8%
82.7%	4,955	5,214	259	5.2%
84.0%	4,622	5,190	567	12.3%
85.2%	4,520	5,027	507	11.2%
86.4%	3,418	5,006	1,588	46.5%
87.7%	1,261	4,994	3,733	296.1%
88.9%	928	4,670	3,741	403.1%
90.1%	636	4,458	3,822	601.3%
91.4%	394	3,538	3,144	798.2%
92.6%	341	3,019	2,678	785.9%
93.8%	300	2,569	2,269	756.4%
95.1%	300	2,507	2,207	735.7%
96.3%	300	2,374	2,074	691.2%
97.5%	300	1,242	942	314.1%
98.8%	300	1,218	918	306.0%
100.0%	300	300	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative B Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,659	6,680	21	0.3%
19.8%	6,635	6,680	45	0.7%
21.0%	6,624	6,680	56	0.8%
22.2%	6,619	6,680	61	0.9%
23.5%	6,613	6,680	67	1.0%
24.7%	6,391	6,680	289	4.5%
25.9%	6,388	6,680	292	4.6%
27.2%	6,372	6,680	308	4.8%
28.4%	6,172	6,680	508	8.2%
29.6%	6,138	6,680	542	8.8%
30.9%	6,075	6,680	605	10.0%
32.1%	5,965	6,680	715	12.0%
33.3%	5,803	6,627	824	14.2%
34.6%	5,732	6,624	892	15.6%
35.8%	5,723	6,560	836	14.6%
37.0%	5,680	6,548	868	15.3%
38.3%	5,451	6,477	1,026	18.8%
39.5%	5,426	6,380	954	17.6%
40.7%	5,422	6,180	758	14.0%
42.0%	5,347	6,142	795	14.9%
43.2%	5,268	5,995	727	13.8%
44.4%	5,158	5,950	792	15.4%
45.7%	5,009	5,897	888	17.7%
46.9%	4,939	5,894	955	19.3%
48.1%	4,840	5,679	839	17.3%
49.4%	4,801	5,679	878	18.3%
50.6%	4,800	5,589	789	16.4%
51.9%	4,792	5,523	732	15.3%
53.1%	4,773	5,482	710	14.9%
54.3%	4,750	5,460	710	15.0%
55.6%	4,717	5,427	710	15.1%
56.8%	4,633	5,424	791	17.1%
58.0%	4,613	5,404	791	17.1%
59.3%	4,597	5,386	789	17.2%
60.5%	4,531	5,368	837	18.5%
61.7%	4,524	5,252	728	16.1%
63.0%	4,502	5,136	634	14.1%
64.2%	4,500	5,054	553	12.3%
65.4%	4,443	4,987	544	12.2%
66.7%	4,410	4,914	505	11.4%
67.9%	4,383	4,892	510	11.6%
69.1%	4,340	4,872	532	12.3%
70.4%	4,330	4,847	518	12.0%
71.6%	4,298	4,802	504	11.7%
72.8%	4,184	4,762	577	13.8%
74.1%	4,151	4,740	589	14.2%
75.3%	4,145	4,687	542	13.1%
76.5%	4,091	4,682	591	14.4%
77.8%	3,972	4,614	642	16.1%
79.0%	3,740	4,597	857	22.9%
80.2%	3,595	4,531	937	26.1%
81.5%	3,591	4,529	937	26.1%
82.7%	3,550	4,523	973	27.4%
84.0%	3,241	4,521	1,280	39.5%
85.2%	2,986	4,514	1,528	51.2%
86.4%	2,649	4,298	1,649	62.2%
87.7%	2,499	3,869	1,371	54.9%
88.9%	2,129	3,862	1,733	81.4%
90.1%	2,093	3,825	1,732	82.7%
91.4%	1,877	3,740	1,863	99.2%
92.6%	1,877	3,521	1,644	87.6%
93.8%	1,862	3,366	1,504	80.8%
95.1%	1,763	2,114	350	19.9%
96.3%	1,613	1,899	286	17.7%
97.5%	1,600	1,893	293	18.3%
98.8%	1,375	1,613	237	17.3%
100.0%	943	943	0	0.0%

Table SW-41-5a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	653	784	1,113	1,328	1,477	1,572	1,332	992	668	583	513	584
Alternative B	686	862	1,181	1,390	1,528	1,601	1,352	998	650	554	489	593
Difference	33	78	68	62	51	29	21	6	-17	-29	-25	9
Percent Difference[3]	5.1%	10.0%	6.1%	4.7%	3.5%	1.8%	1.5%	0.6%	-2.6%	-4.9%	-4.8%	1.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	766	797	1,124	1,407	1,600	1,772	1,510	1,168	893	743	661	741
Alternative B	871	949	1,282	1,460	1,637	1,796	1,530	1,180	893	736	637	760
Difference	105	152	158	53	37	24	21	12	0	-7	-24	19
Percent Difference	13.8%	19.1%	14.1%	3.8%	2.3%	1.4%	1.4%	1.1%	0.0%	-0.9%	-3.6%	2.5%
Above Normal (15%)												
No Action Alternative	616	701	1,052	1,265	1,400	1,544	1,265	874	587	463	433	528
Alternative B	706	885	1,224	1,394	1,495	1,617	1,334	932	607	499	449	591
Difference	90	184	172	129	95	73	69	58	20	36	15	63
Percent Difference	14.7%	26.2%	16.4%	10.2%	6.8%	4.7%	5.4%	6.6%	3.4%	7.7%	3.5%	12.0%
Below Normal (17%)												
No Action Alternative	651	932	1,265	1,329	1,459	1,541	1,278	894	519	464	417	517
Alternative B	700	1,001	1,333	1,409	1,524	1,579	1,310	923	541	492	447	553
Difference	49	68	68	80	65	37	32	29	22	28	30	36
Percent Difference	7.5%	7.3%	5.3%	6.0%	4.4%	2.4%	2.5%	3.2%	4.2%	6.0%	7.2%	6.9%
Dry (22%)												
No Action Alternative	587	792	1,088	1,358	1,487	1,508	1,269	916	507	492	455	511
Alternative B	504	743	1,047	1,395	1,516	1,507	1,256	875	432	383	364	445
Difference	-83	-49	-41	36	29	0	-13	-40	-75	-109	-91	-66
Percent Difference	-14.2%	-6.1%	-3.8%	2.7%	1.9%	0.0%	-1.0%	-4.4%	-14.8%	-22.1%	-20.0%	-12.8%
Critical (15%)												
No Action Alternative	548	654	1,010	1,177	1,291	1,300	1,169	959	673	631	472	484
Alternative B	525	668	943	1,209	1,348	1,330	1,178	941	621	546	442	500
Difference	-23	14	-66	32	56	30	9	-18	-52	-85	-30	17
Percent Difference	-4.1%	2.1%	-6.6%	2.7%	4.4%	2.3%	0.7%	-1.9%	-7.7%	-13.5%	-6.3%	3.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

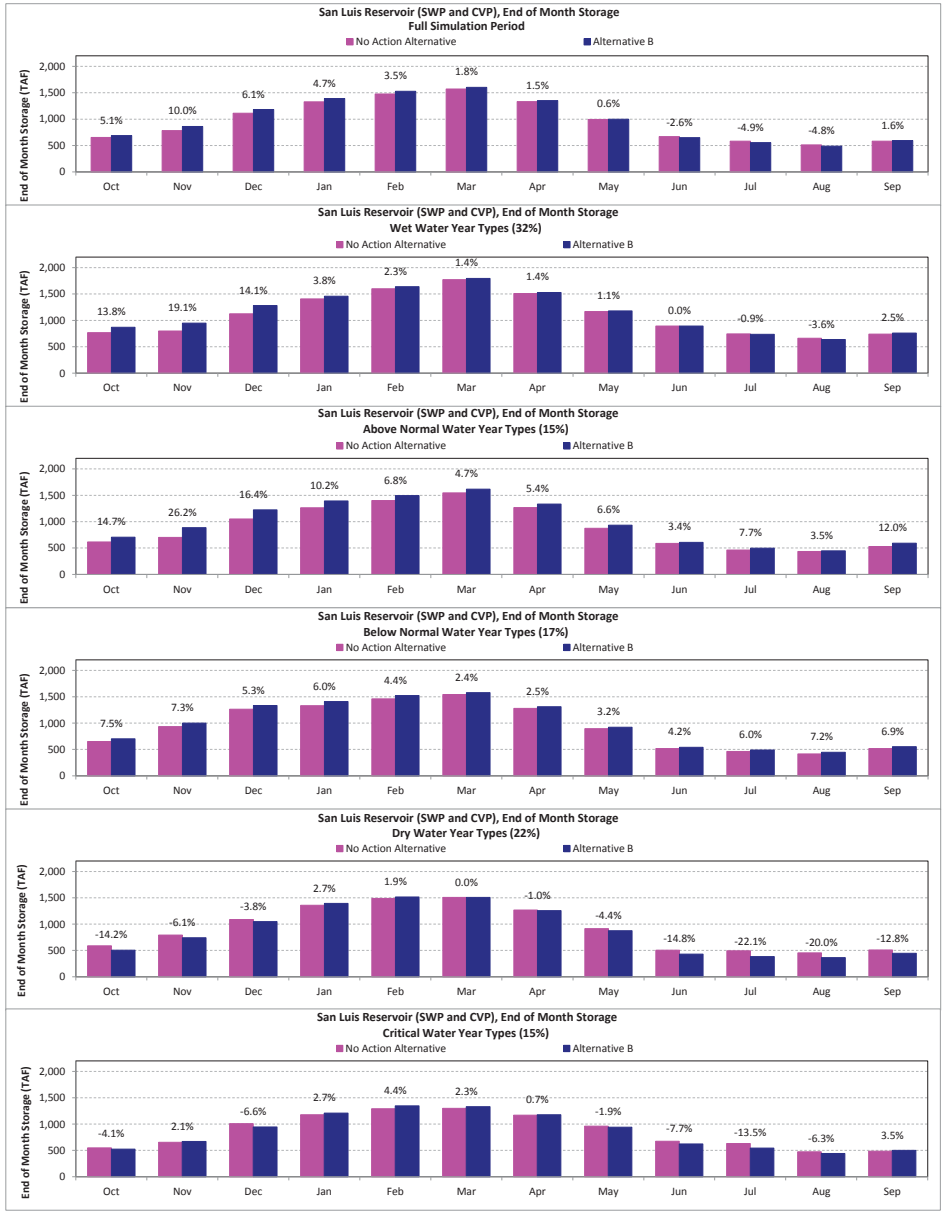

Figure SW-41-5b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

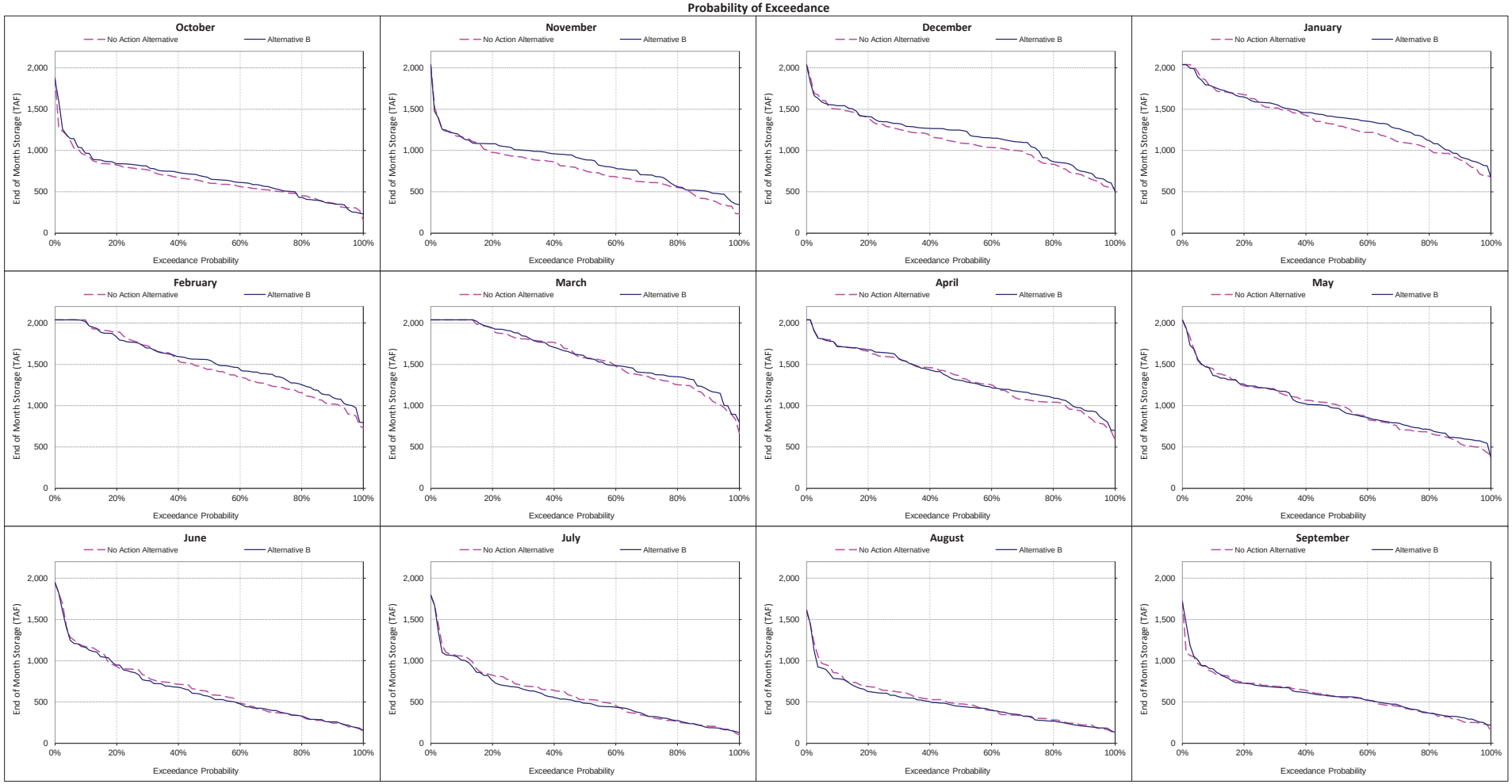

Table SW-41-5b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,884	1,861	-23	-1.2%
1.2%	1,270	1,597	327	25.7%
2.5%	1,232	1,260	28	2.2%
3.7%	1,195	1,188	-8	-0.6%
4.9%	1,121	1,147	26	2.3%
6.2%	1,029	1,143	114	11.1%
7.4%	1,021	1,040	20	1.9%
8.6%	963	1,032	69	7.2%
9.9%	942	967	25	2.7%
11.1%	923	965	43	4.7%
12.3%	876	890	13	1.5%
13.6%	859	886	27	3.2%
14.8%	843	885	42	5.0%
16.0%	842	870	29	3.4%
17.3%	837	865	28	3.3%
18.5%	834	862	28	3.4%
19.8%	826	840	15	1.8%
21.0%	816	838	22	2.7%
22.2%	798	837	39	4.9%
23.5%	795	834	39	4.9%
24.7%	788	832	44	5.6%
25.9%	784	828	44	5.6%
27.2%	775	820	45	5.8%
28.4%	774	815	41	5.3%
29.6%	769	813	44	5.7%
30.9%	758	783	24	3.2%
32.1%	733	779	46	6.2%
33.3%	715	762	47	6.6%
34.6%	707	751	44	6.3%
35.8%	700	749	49	7.0%
37.0%	699	749	50	7.2%
38.3%	684	746	62	9.0%
39.5%	676	738	62	9.2%
40.7%	664	729	65	9.7%
42.0%	661	721	61	9.2%
43.2%	654	717	63	9.7%
44.4%	651	711	60	9.2%
45.7%	646	709	62	9.7%
46.9%	636	695	60	9.4%
48.1%	623	686	64	10.2%
49.4%	612	677	65	10.7%
50.6%	603	652	49	8.1%
51.9%	602	649	47	7.9%
53.1%	591	645	54	9.1%
54.3%	589	643	54	9.2%
55.6%	589	638	49	8.4%
56.8%	586	634	48	8.2%
58.0%	584	621	37	6.4%
59.3%	567	614	47	8.2%
60.5%	559	613	54	9.6%
61.7%	555	607	51	9.2%
63.0%	550	601	52	9.4%
64.2%	540	587	47	8.7%
65.4%	536	586	50	9.3%
66.7%	528	578	50	9.4%
67.9%	526	565	39	7.4%
69.1%	523	562	39	7.5%
70.4%	513	545	32	6.3%
71.6%	506	536	30	5.9%
72.8%	504	524	20	4.1%
74.1%	502	509	7	1.4%
75.3%	485	505	21	4.3%
76.5%	484	504	21	4.3%
77.8%	481	500	19	3.9%
79.0%	469	433	-36	-7.6%
80.2%	451	430	-21	-4.7%
81.5%	448	407	-40	-9.0%
82.7%	429	404	-25	-5.8%
84.0%	423	401	-22	-5.2%
85.2%	403	395	-8	-2.0%
86.4%	385	392	7	1.7%
87.7%	382	370	-12	-3.2%
88.9%	370	362	-8	-2.2%
90.1%	363	357	-6	-1.6%
91.4%	344	351	7	2.1%
92.6%	318	347	29	9.2%
93.8%	311	341	30	9.6%
95.1%	307	284	-23	-7.5%
96.3%	306	254	-52	-16.9%
97.5%	305	253	-52	-17.1%
98.8%	271	240	-31	-11.4%
100.0%	151	232	81	53.7%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,525	1,473	-51	-3.4%
2.5%	1,391	1,396	5	0.4%
3.7%	1,250	1,255	5	0.4%
4.9%	1,232	1,247	15	1.2%
6.2%	1,230	1,221	-10	-0.8%
7.4%	1,192	1,210	17	1.5%
8.6%	1,171	1,201	30	2.6%
9.9%	1,170	1,164	-6	-0.5%
11.1%	1,145	1,133	-12	-1.1%
12.3%	1,141	1,124	-17	-1.5%
13.6%	1,108	1,089	-19	-1.7%
14.8%	1,096	1,086	-11	-1.0%
16.0%	1,073	1,085	12	1.1%
17.3%	1,017	1,083	67	6.6%
18.5%	1,003	1,082	79	7.9%
19.8%	975	1,082	107	10.9%
21.0%	973	1,080	107	11.0%
22.2%	963	1,057	93	9.7%
23.5%	949	1,051	102	10.8%
24.7%	947	1,044	97	10.3%
25.9%	935	1,040	105	11.2%
27.2%	931	1,009	78	8.4%
28.4%	925	1,009	84	9.1%
29.6%	921	1,004	84	9.1%
30.9%	905	1,000	95	10.5%
32.1%	903	997	94	10.4%
33.3%	888	989	101	11.4%
34.6%	880	988	108	12.3%
35.8%	879	986	107	12.1%
37.0%	877	980	103	11.8%
38.3%	869	969	100	11.5%
39.5%	865	960	95	10.9%
40.7%	859	954	95	11.1%
42.0%	815	954	139	17.1%
43.2%	814	952	138	17.0%
44.4%	804	947	143	17.8%
45.7%	802	945	143	17.8%
46.9%	796	919	123	15.4%
48.1%	768	907	139	18.0%
49.4%	765	893	128	16.8%
50.6%	748	886	138	18.5%
51.9%	737	885	148	20.1%
53.1%	732	877	145	19.7%
54.3%	732	824	92	12.5%
55.6%	707	815	108	15.3%
56.8%	704	804	100	14.2%
58.0%	686	801	115	16.7%
59.3%	684	791	107	15.7%
60.5%	675	778	103	15.3%
61.7%	671	776	105	15.6%
63.0%	663	771	108	16.3%
64.2%	660	765	105	15.9%
65.4%	645	763	118	18.4%
66.7%	625	763	138	22.0%
67.9%	624	705	81	13.1%
69.1%	619	705	86	13.9%
70.4%	614	704	91	14.8%
71.6%	611	703	93	15.1%
72.8%	610	685	75	12.2%
74.1%	607	683	76	12.5%
75.3%	594	672	79	13.2%
76.5%	582	642	60	10.3%
77.8%	562	606	44	7.8%
79.0%	561	577	16	2.9%
80.2%	549	559	10	1.9%
81.5%	542	554	12	2.2%
82.7%	526	523	-3	-0.6%
84.0%	501	520	19	3.9%
85.2%	468	518	50	10.6%
86.4%	434	517	82	19.0%
87.7%	419	514	95	22.6%
88.9%	418	509	91	21.8%
90.1%	405	502	97	24.0%
91.4%	392	482	91	23.2%
92.6%	379	478	99	26.3%
93.8%	351	473	121	34.6%
95.1%	347	471	125	36.0%
96.3%	328	421	93	28.4%
97.5%	327	379	52	16.0%
98.8%	237	352	116	49.0%
100.0%	233	345	112	48.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,889	1,832	-58	-3.0%
2.5%	1,692	1,666	-26	-1.6%
3.7%	1,673	1,632	-41	-2.4%
4.9%	1,611	1,584	-27	-1.7%
6.2%	1,599	1,567	-32	-2.0%
7.4%	1,518	1,554	36	2.4%
8.6%	1,505	1,550	45	3.0%
9.9%	1,502	1,542	40	2.6%
11.1%	1,498	1,541	43	2.9%
12.3%	1,483	1,541	57	3.9%
13.6%	1,476	1,512	36	2.4%
14.8%	1,465	1,504	40	2.7%
16.0%	1,463	1,476	13	0.9%
17.3%	1,422	1,420	-2	-0.1%
18.5%	1,412	1,415	2	0.2%
19.8%	1,400	1,410	10	0.7%
21.0%	1,363	1,407	44	3.2%
22.2%	1,328	1,373	45	3.4%
23.5%	1,319	1,351	32	2.5%
24.7%	1,317	1,350	32	2.4%
25.9%	1,291	1,348	57	4.5%
27.2%	1,283	1,336	53	4.1%
28.4%	1,271	1,328	57	4.5%
29.6%	1,260	1,326	66	5.3%
30.9%	1,246	1,317	71	5.7%
32.1%	1,244	1,292	48	3.9%
33.3%	1,226	1,289	63	5.2%
34.6%	1,216	1,288	72	5.9%
35.8%	1,214	1,277	63	5.2%
37.0%	1,212	1,274	62	5.1%
38.3%	1,209	1,269	61	5.0%
39.5%	1,193	1,269	76	6.4%
40.7%	1,161	1,266	105	9.0%
42.0%	1,154	1,265	112	9.7%
43.2%	1,150	1,265	115	10.0%
44.4%	1,144	1,263	119	10.4%
45.7%	1,122	1,250	128	11.4%
46.9%	1,115	1,248	133	12.0%
48.1%	1,106	1,248	142	12.8%
49.4%	1,093	1,246	153	14.0%
50.6%	1,087	1,241	154	14.2%
51.9%	1,085	1,233	148	13.7%
53.1%	1,083	1,181	98	9.0%
54.3%	1,072	1,169	97	9.1%
55.6%	1,059	1,166	107	10.1%
56.8%	1,049	1,159	109	10.4%
58.0%	1,039	1,155	116	11.2%
59.3%	1,038	1,154	116	11.2%
60.5%	1,035	1,149	114	11.0%
61.7%	1,033	1,149	116	11.3%
63.0%	1,027	1,138	112	10.9%
64.2%	1,019	1,130	111	10.9%
65.4%	1,007	1,117	111	11.0%
66.7%	1,002	1,110	108	10.8%
67.9%	1,000	1,105	105	10.5%
69.1%	994	1,101	107	10.8%
70.4%	987	1,098	110	11.2%
71.6%	957	1,096	139	14.5%
72.8%	947	1,044	98	10.3%
74.1%	897	1,031	134	15.0%
75.3%	874	992	117	13.4%
76.5%	849	912	64	7.5%
77.8%	840	912	72	8.6%
79.0%	837	878	42	5.0%
80.2%	832	863	31	3.7%
81.5%	815	858	43	5.3%
82.7%	787	850	63	8.0%
84.0%	773	849	76	9.8%
85.2%	737	836	99	13.4%
86.4%	724	813	89	12.3%
87.7%	719	768	49	6.8%
88.9%	710	748	38	5.4%
90.1%	684	744	59	8.6%
91.4%	666	730	64	9.6%
92.6%	649	718	69	10.6%
93.8%	633	670	37	5.8%
95.1%	618	660	42	6.8%
96.3%	570	653	84	14.7%
97.5%	559	621	62	11.0%
98.8%	546	604	58	10.7%
100.0%	545	507	-38	-6.9%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,038	-1	0.0%
2.5%	2,039	1,996	-43	-2.1%
3.7%	2,019	1,990	-29	-1.4%
4.9%	1,958	1,892	-66	-3.4%
6.2%	1,875	1,852	-24	-1.3%
7.4%	1,857	1,797	-60	-3.2%
8.6%	1,792	1,790	-2	-0.1%
9.9%	1,772	1,772	-1	0.0%
11.1%	1,721	1,753	31	1.8%
12.3%	1,712	1,735	23	1.4%
13.6%	1,712	1,727	15	0.9%
14.8%	1,708	1,705	-2	-0.1%
16.0%	1,695	1,694	0	0.0%
17.3%	1,690	1,669	-21	-1.3%
18.5%	1,686	1,651	-35	-2.1%
19.8%	1,676	1,651	-25	-1.5%
21.0%	1,671	1,635	-36	-2.1%
22.2%	1,629	1,603	-26	-1.6%
23.5%	1,626	1,588	-38	-2.3%
24.7%	1,591	1,584	-7	-0.4%
25.9%	1,545	1,583	38	2.4%
27.2%	1,523	1,577	54	3.5%
28.4%	1,521	1,575	54	3.6%
29.6%	1,514	1,564	50	3.3%
30.9%	1,514	1,550	36	2.4%
32.1%	1,492	1,527	35	2.3%
33.3%	1,491	1,510	19	1.3%
34.6%	1,484	1,505	21	1.4%
35.8%	1,457	1,495	38	2.6%
37.0%	1,452	1,487	35	2.4%
38.3%	1,452	1,467	14	1.0%
39.5%	1,430	1,458	28	2.0%
40.7%	1,416	1,458	42	3.0%
42.0%	1,391	1,457	66	4.7%
43.2%	1,352	1,444	92	6.8%
44.4%	1,350	1,436	86	6.4%
45.7%	1,339	1,433	94	7.0%
46.9%	1,330	1,417	87	6.6%
48.1%	1,320	1,415	95	7.2%
49.4%	1,320	1,408	88	6.7%
50.6%	1,295	1,401	106	8.2%
51.9%	1,293	1,397	104	8.0%
53.1%	1,275	1,392	116	9.1%
54.3%	1,264	1,386	122	9.7%
55.6%	1,250	1,379	129	10.4%
56.8%	1,239	1,377	138	11.1%
58.0%	1,224	1,361	137	11.2%
59.3%	1,218	1,358	140	11.5%
60.5%	1,218	1,350	132	10.9%
61.7%	1,218	1,346	128	10.5%
63.0%	1,212	1,332	120	9.9%
64.2%	1,184	1,326	142	12.0%
65.4%	1,177	1,326	148	12.6%
66.7%	1,155	1,315	160	13.8%
67.9%	1,144	1,280	136	11.9%
69.1%	1,113	1,269	155	14.0%
70.4%	1,104	1,263	159	14.4%
71.6%	1,095	1,245	150	13.7%
72.8%	1,091	1,230	139	12.7%
74.1%	1,085	1,216	131	12.0%
75.3%	1,070	1,185	115	10.7%
76.5%	1,070	1,184	114	10.6%
77.8%	1,051	1,166	114	10.9%
79.0%	1,039	1,129	90	8.7%
80.2%	1,005	1,114	108	10.8%
81.5%	975	1,082	107	11.0%
82.7%	971	1,081	111	11.4%
84.0%	969	1,044	75	7.8%
85.2%	963	1,011	47	4.9%
86.4%	963	1,001	38	4.0%
87.7%	926	968	42	4.6%
88.9%	908	965	57	6.3%
90.1%	885	922	37	4.2%
91.4%	872	907	35	4.1%
92.6%	828	895	66	8.0%
93.8%	796	873	76	9.6%
95.1%	791	863	72	9.1%
96.3%	717	844	126	17.6%
97.5%	698	821	122	17.5%
98.8%	693	813	120	17.3%
100.0%	682	672	-10	-1.4%

Table SW-41-5b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,034	-5	-0.3%
9.9%	2,039	2,019	-20	-1.0%
11.1%	1,958	1,966	8	0.4%
12.3%	1,928	1,951	23	1.2%
13.6%	1,927	1,934	7	0.4%
14.8%	1,913	1,889	-24	-1.3%
16.0%	1,912	1,877	-35	-1.8%
17.3%	1,907	1,876	-31	-1.6%
18.5%	1,895	1,873	-22	-1.2%
19.8%	1,891	1,840	-51	-2.7%
21.0%	1,891	1,794	-97	-5.1%
22.2%	1,842	1,788	-54	-2.9%
23.5%	1,811	1,772	-39	-2.2%
24.7%	1,792	1,769	-23	-1.3%
25.9%	1,777	1,767	-10	-0.6%
27.2%	1,764	1,757	-7	-0.4%
28.4%	1,735	1,728	-7	-0.4%
29.6%	1,729	1,699	-30	-1.7%
30.9%	1,714	1,697	-17	-1.0%
32.1%	1,678	1,673	-5	-0.3%
33.3%	1,654	1,652	-2	-0.1%
34.6%	1,645	1,639	-6	-0.3%
35.8%	1,645	1,635	-10	-0.6%
37.0%	1,636	1,624	-12	-0.7%
38.3%	1,605	1,615	10	0.6%
39.5%	1,559	1,596	37	2.4%
40.7%	1,525	1,592	67	4.4%
42.0%	1,519	1,586	67	4.4%
43.2%	1,518	1,570	52	3.5%
44.4%	1,508	1,564	55	3.7%
45.7%	1,484	1,563	79	5.3%
46.9%	1,476	1,560	84	5.7%
48.1%	1,459	1,559	100	6.9%
49.4%	1,440	1,558	117	8.1%
50.6%	1,439	1,543	104	7.2%
51.9%	1,430	1,510	80	5.6%
53.1%	1,413	1,489	76	5.4%
54.3%	1,413	1,484	71	5.1%
55.6%	1,392	1,482	91	6.5%
56.8%	1,372	1,476	104	7.6%
58.0%	1,372	1,466	95	6.9%
59.3%	1,349	1,462	113	8.3%
60.5%	1,341	1,423	82	6.1%
61.7%	1,332	1,420	88	6.6%
63.0%	1,305	1,415	109	8.4%
64.2%	1,304	1,408	104	8.0%
65.4%	1,280	1,405	125	9.8%
66.7%	1,273	1,389	116	9.1%
67.9%	1,272	1,389	117	9.2%
69.1%	1,252	1,383	131	10.5%
70.4%	1,235	1,380	145	11.7%
71.6%	1,230	1,353	122	9.9%
72.8%	1,224	1,349	124	10.2%
74.1%	1,215	1,332	117	9.6%
75.3%	1,196	1,301	105	8.8%
76.5%	1,196	1,276	80	6.7%
77.8%	1,188	1,274	86	7.2%
79.0%	1,159	1,267	107	9.3%
80.2%	1,154	1,249	95	8.3%
81.5%	1,119	1,232	113	10.1%
82.7%	1,111	1,222	111	10.0%
84.0%	1,098	1,192	93	8.5%
85.2%	1,070	1,186	115	10.8%
86.4%	1,069	1,143	74	7.0%
87.7%	1,033	1,132	99	9.6%
88.9%	1,019	1,129	110	10.8%
90.1%	1,019	1,096	78	7.6%
91.4%	1,018	1,082	64	6.3%
92.6%	994	1,077	83	8.4%
93.8%	971	1,022	51	5.3%
95.1%	898	1,007	109	12.1%
96.3%	896	1,002	106	11.8%
97.5%	876	975	99	11.3%
98.8%	755	797	42	5.6%
100.0%	728	795	67	9.2%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	1,987	2,025	37	1.9%
16.0%	1,978	1,989	11	0.5%
17.3%	1,964	1,973	9	0.5%
18.5%	1,961	1,957	-3	-0.2%
19.8%	1,936	1,946	9	0.5%
21.0%	1,886	1,926	40	2.1%
22.2%	1,875	1,925	50	2.7%
23.5%	1,873	1,922	50	2.6%
24.7%	1,867	1,910	43	2.3%
25.9%	1,842	1,904	63	3.4%
27.2%	1,825	1,884	58	3.2%
28.4%	1,815	1,879	64	3.6%
29.6%	1,808	1,845	38	2.1%
30.9%	1,807	1,839	32	1.8%
32.1%	1,795	1,813	18	1.0%
33.3%	1,790	1,788	-2	-0.1%
34.6%	1,787	1,772	-15	-0.8%
35.8%	1,781	1,769	-12	-0.7%
37.0%	1,773	1,764	-9	-0.5%
38.3%	1,768	1,725	-43	-2.4%
39.5%	1,768	1,711	-57	-3.2%
40.7%	1,757	1,698	-59	-3.4%
42.0%	1,747	1,681	-66	-3.8%
43.2%	1,695	1,666	-29	-1.7%
44.4%	1,689	1,654	-35	-2.1%
45.7%	1,667	1,638	-29	-1.8%
46.9%	1,616	1,622	6	0.4%
48.1%	1,590	1,615	25	1.6%
49.4%	1,583	1,610	27	1.7%
50.6%	1,579	1,572	-7	-0.4%
51.9%	1,572	1,567	-5	-0.3%
53.1%	1,568	1,559	-9	-0.6%
54.3%	1,558	1,531	-27	-1.7%
55.6%	1,547	1,528	-20	-1.3%
56.8%	1,542	1,498	-43	-2.8%
58.0%	1,525	1,490	-35	-2.3%
59.3%	1,500	1,488	-12	-0.8%
60.5%	1,465	1,482	17	1.2%
61.7%	1,450	1,476	27	1.8%
63.0%	1,416	1,470	55	3.9%
64.2%	1,388	1,462	74	5.3%
65.4%	1,387	1,456	69	5.0%
66.7%	1,378	1,409	31	2.2%
67.9%	1,373	1,403	30	2.2%
69.1%	1,356	1,401	45	3.3%
70.4%	1,353	1,398	44	3.3%
71.6%	1,331	1,396	65	4.9%
72.8%	1,321	1,375	54	4.1%
74.1%	1,318	1,374	56	4.3%
75.3%	1,300	1,372	72	5.5%
76.5%	1,300	1,361	62	4.7%
77.8%	1,284	1,354	70	5.4%
79.0%	1,259	1,351	92	7.3%
80.2%	1,252	1,350	98	7.8%
81.5%	1,249	1,346	97	7.8%
82.7%	1,245	1,334	89	7.2%
84.0%	1,244	1,322	78	6.2%
85.2%	1,208	1,315	107	8.8%
86.4%	1,177	1,237	61	5.2%
87.7%	1,165	1,234	69	5.9%
88.9%	1,110	1,214	104	9.4%
90.1%	1,105	1,186	81	7.3%
91.4%	1,055	1,168	113	10.7%
92.6%	1,030	1,160	130	12.6%
93.8%	1,010	1,148	137	13.6%
95.1%	975	1,004	28	2.9%
96.3%	924	997	72	7.8%
97.5%	890	897	7	0.8%
98.8%	836	894	58	7.0%
100.0%	668	800	132	19.7%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	1,906	1,907	1	0.1%
3.7%	1,829	1,818	-11	-0.6%
4.9%	1,813	1,808	-5	-0.3%
6.2%	1,804	1,792	-12	-0.7%
7.4%	1,798	1,780	-17	-1.0%
8.6%	1,787	1,776	-11	-0.6%
9.9%	1,727	1,714	-13	-0.7%
11.1%	1,715	1,713	-2	-0.1%
12.3%	1,713	1,710	-2	-0.1%
13.6%	1,705	1,706	0	0.0%
14.8%	1,700	1,702	2	0.1%
16.0%	1,695	1,701	5	0.3%
17.3%	1,682	1,689	7	0.4%
18.5%	1,668	1,687	19	1.2%
19.8%	1,661	1,676	15	0.9%
21.0%	1,626	1,674	48	3.0%
22.2%	1,623	1,650	27	1.7%
23.5%	1,601	1,647	46	2.9%
24.7%	1,597	1,643	45	2.8%
25.9%	1,593	1,642	48	3.0%
27.2%	1,590	1,636	46	2.9%
28.4%	1,584	1,628	44	2.8%
29.6%	1,567	1,579	12	0.8%
30.9%	1,554	1,548	-6	-0.4%
32.1%	1,537	1,539	2	0.1%
33.3%	1,529	1,512	-17	-1.1%
34.6%	1,494	1,496	2	0.1%
35.8%	1,470	1,480	10	0.7%
37.0%	1,469	1,455	-14	-0.9%
38.3%	1,464	1,451	-13	-0.9%
39.5%	1,463	1,436	-27	-1.8%
40.7%	1,459	1,424	-34	-2.4%
42.0%	1,450	1,414	-36	-2.5%
43.2%	1,427	1,414	-13	-0.9%
44.4%	1,424	1,379	-46	-3.2%
45.7%	1,410	1,356	-53	-3.8%
46.9%	1,390	1,329	-61	-4.4%
48.1%	1,371	1,313	-58	-4.2%
49.4%	1,366	1,308	-59	-4.3%
50.6%	1,330	1,304	-26	-2.0%
51.9%	1,320	1,286	-33	-2.5%
53.1%	1,294	1,279	-15	-1.2%
54.3%	1,287	1,272	-15	-1.2%
55.6%	1,273	1,261	-12	-1.0%
56.8%	1,266	1,244	-22	-1.8%
58.0%	1,259	1,235	-25	-2.0%
59.3%	1,258	1,227	-31	-2.5%
60.5%	1,243	1,215	-28	-2.3%
61.7%	1,201	1,210	9	0.8%
63.0%	1,188	1,200	13	1.1%
64.2%	1,185	1,198	13	1.1%
65.4%	1,157	1,197	40	3.4%
66.7%	1,117	1,184	67	6.0%
67.9%	1,090	1,177	87	8.0%
69.1%	1,079	1,171	92	8.5%
70.4%	1,076	1,164	89	8.3%
71.6%	1,072	1,161	89	8.3%
72.8%	1,062	1,144	82	7.7%
74.1%	1,057	1,140	82	7.8%
75.3%	1,050	1,131	81	7.7%
76.5%	1,047	1,123	76	7.3%
77.8%	1,045	1,115	70	6.7%
79.0%	1,044	1,106	62	6.0%
80.2%	1,042	1,089	48	4.6%
81.5%	1,041	1,087	46	4.4%
82.7%	1,029	1,072	43	4.1%
84.0%	997	1,062	66	6.6%
85.2%	957	1,033	77	8.0%
86.4%	955	991	36	3.8%
87.7%	946	978	32	3.4%
88.9%	938	974	36	3.9%
90.1%	896	944	49	5.4%
91.4%	865	933	69	7.9%
92.6%	833	933	100	12.0%
93.8%	787	925	138	17.5%
95.1%	786	868	82	10.5%
96.3%	776	832	56	7.2%
97.5%	725	802	77	10.6%
98.8%	691	703	13	1.8%
100.0%	588	700	112	19.1%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,037	-2	-0.1%
1.2%	1,931	1,936	4	0.2%
2.5%	1,832	1,730	-101	-5.5%
3.7%	1,692	1,687	-4	-0.3%
4.9%	1,550	1,564	14	0.9%
6.2%	1,495	1,504	9	0.6%
7.4%	1,484	1,472	-12	-0.8%
8.6%	1,463	1,458	-5	-0.3%
9.9%	1,449	1,368	-82	-5.6%
11.1%	1,388	1,358	-29	-2.1%
12.3%	1,384	1,335	-49	-3.5%
13.6%	1,369	1,333	-36	-2.6%
14.8%	1,367	1,315	-51	-3.8%
16.0%	1,318	1,315	-3	-0.2%
17.3%	1,315	1,308	-7	-0.5%
18.5%	1,262	1,265	4	0.3%
19.8%	1,241	1,261	20	1.6%
21.0%	1,233	1,241	8	0.6%
22.2%	1,226	1,237	11	0.9%
23.5%	1,223	1,236	13	1.1%
24.7%	1,217	1,220	2	0.2%
25.9%	1,217	1,215	-2	-0.1%
27.2%	1,213	1,212	-2	-0.1%
28.4%	1,206	1,198	-8	-0.7%
29.6%	1,206	1,195	-11	-0.9%
30.9%	1,165	1,181	16	1.4%
32.1%	1,145	1,174	30	2.6%
33.3%	1,127	1,173	45	4.0%
34.6%	1,120	1,155	36	3.2%
35.8%	1,107	1,074	-33	-3.0%
37.0%	1,103	1,049	-55	-5.0%
38.3%	1,079	1,034	-45	-4.2%
39.5%	1,066	1,025	-41	-3.8%
40.7%	1,064	1,014	-49	-4.7%
42.0%	1,061	1,013	-48	-4.5%
43.2%	1,048	1,011	-37	-3.6%
44.4%	1,044	1,009	-34	-3.3%
45.7%	1,041	1,003	-38	-3.6%
46.9%	1,037	1,002	-36	-3.4%
48.1%	1,022	975	-46	-4.5%
49.4%	1,019	970	-48	-4.8%
50.6%	1,001	969	-32	-3.2%
51.9%	995	936	-59	-5.9%
53.1%	977	911	-66	-6.7%
54.3%	950	899	-51	-5.4%
55.6%	892	891	-1	-0.2%
56.8%	891	881	-10	-1.1%
58.0%	881	868	-14	-1.5%
59.3%	880	862	-18	-2.0%
60.5%	825	851	27	3.2%
61.7%	821	835	14	1.7%
63.0%	813	830	17	2.1%
64.2%	807	820	14	1.7%
65.4%	798	811	13	1.6%
66.7%	792	805	13	1.6%
67.9%	764	793	29	3.9%
69.1%	764	792	28	3.6%
70.4%	712	788	76	10.7%
71.6%	705	767	62	8.8%
72.8%	705	757	53	7.5%
74.1%	704	745	40	5.7%
75.3%	689	735	45	6.6%
76.5%	688	732	43	6.3%
77.8%	686	717	31	4.5%
79.0%	685	716	31	4.5%
80.2%	670	710	40	6.0%
81.5%	652	688	36	5.5%
82.7%	640	680	39	6.1%
84.0%	640	670	30	4.7%
85.2%	624	666	43	6.8%
86.4%	610	618	8	1.3%
87.7%	593	617	24	4.0%
88.9%	580	612	31	5.4%
90.1%	538	609	71	13.3%
91.4%	519	595	77	14.8%
92.6%	511	592	81	15.8%
93.8%	507	588	81	16.0%
95.1%	500	578	77	15.5%
96.3%	498	575	77	15.5%
97.5%	467	560	93	19.9%
98.8%	433	544	110	25.5%
100.0%	398	369	-30	-7.4%

Table SW-41-5b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,947	1,946	-1	-0.1%
1.2%	1,816	1,822	5	0.3%
2.5%	1,692	1,599	-93	-5.5%
3.7%	1,414	1,403	-11	-0.8%
4.9%	1,286	1,248	-38	-3.0%
6.2%	1,252	1,209	-43	-3.5%
7.4%	1,211	1,205	-6	-0.5%
8.6%	1,186	1,170	-16	-1.3%
9.9%	1,171	1,162	-9	-0.7%
11.1%	1,158	1,129	-29	-2.5%
12.3%	1,157	1,113	-44	-3.8%
13.6%	1,127	1,105	-22	-1.9%
14.8%	1,101	1,048	-54	-4.9%
16.0%	1,073	1,043	-30	-2.8%
17.3%	980	1,037	56	5.7%
18.5%	957	985	28	3.0%
19.8%	934	949	15	1.6%
21.0%	909	949	40	4.4%
22.2%	904	889	-15	-1.6%
23.5%	901	880	-21	-2.3%
24.7%	898	864	-34	-3.8%
25.9%	893	856	-37	-4.2%
27.2%	889	831	-58	-6.5%
28.4%	830	769	-60	-7.3%
29.6%	820	761	-58	-7.1%
30.9%	776	757	-20	-2.5%
32.1%	765	724	-41	-5.3%
33.3%	751	723	-28	-3.7%
34.6%	745	719	-27	-3.6%
35.8%	742	693	-50	-6.7%
37.0%	739	693	-47	-6.3%
38.3%	726	683	-43	-5.9%
39.5%	715	679	-37	-5.1%
40.7%	714	675	-39	-5.5%
42.0%	711	658	-54	-7.5%
43.2%	710	646	-63	-8.9%
44.4%	660	605	-55	-8.3%
45.7%	656	602	-53	-8.1%
46.9%	644	598	-45	-7.1%
48.1%	635	580	-56	-8.8%
49.4%	629	572	-57	-9.1%
50.6%	588	556	-32	-5.5%
51.9%	583	530	-53	-9.1%
53.1%	580	528	-51	-8.9%
54.3%	578	528	-50	-8.6%
55.6%	563	513	-49	-8.8%
56.8%	552	508	-44	-7.9%
58.0%	544	500	-44	-8.0%
59.3%	487	486	-1	-0.3%
60.5%	483	467	-16	-3.4%
61.7%	469	444	-26	-5.4%
63.0%	452	441	-11	-2.5%
64.2%	445	428	-18	-4.0%
65.4%	419	425	6	1.3%
66.7%	412	424	12	3.0%
67.9%	399	417	18	4.6%
69.1%	382	407	26	6.8%
70.4%	376	397	21	5.6%
71.6%	371	396	25	6.6%
72.8%	367	379	12	3.4%
74.1%	366	367	0	0.1%
75.3%	364	361	-3	-0.9%
76.5%	345	342	-3	-0.9%
77.8%	338	337	0	-0.1%
79.0%	337	337	0	0.0%
80.2%	320	327	7	2.1%
81.5%	295	307	12	4.0%
82.7%	290	290	0	-0.2%
84.0%	287	289	2	0.6%
85.2%	278	288	10	3.5%
86.4%	277	285	9	3.1%
87.7%	265	261	-4	-1.7%
88.9%	260	260	0	0.0%
90.1%	244	260	16	6.6%
91.4%	242	258	16	6.7%
92.6%	235	240	4	1.9%
93.8%	225	227	2	0.7%
95.1%	201	219	18	8.9%
96.3%	192	201	9	4.5%
97.5%	192	190	-1	-0.7%
98.8%	185	172	-13	-7.1%
100.0%	137	162	25	17.9%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,797	1,795	-1	-0.1%
1.2%	1,668	1,676	8	0.5%
2.5%	1,444	1,351	-92	-6.4%
3.7%	1,188	1,101	-86	-7.3%
4.9%	1,102	1,071	-31	-2.8%
6.2%	1,084	1,068	-15	-1.4%
7.4%	1,074	1,062	-12	-1.1%
8.6%	1,059	1,045	-15	-1.4%
9.9%	1,057	1,010	-47	-4.4%
11.1%	1,055	1,003	-52	-4.9%
12.3%	1,024	975	-49	-4.7%
13.6%	985	925	-59	-6.0%
14.8%	902	863	-40	-4.4%
16.0%	866	855	-10	-1.2%
17.3%	838	822	-17	-2.0%
18.5%	838	820	-18	-2.1%
19.8%	828	770	-58	-7.0%
21.0%	815	730	-85	-10.4%
22.2%	812	712	-100	-12.3%
23.5%	804	702	-102	-12.7%
24.7%	775	695	-81	-10.4%
25.9%	775	686	-89	-11.5%
27.2%	722	682	-41	-5.6%
28.4%	712	678	-34	-4.7%
29.6%	701	657	-44	-6.3%
30.9%	691	646	-45	-6.5%
32.1%	688	635	-52	-7.6%
33.3%	687	635	-52	-7.6%
34.6%	685	618	-67	-9.8%
35.8%	654	608	-47	-7.1%
37.0%	650	580	-70	-10.8%
38.3%	648	567	-81	-12.5%
39.5%	645	561	-84	-13.0%
40.7%	632	549	-83	-13.1%
42.0%	631	537	-94	-14.9%
43.2%	629	535	-94	-15.0%
44.4%	592	531	-61	-10.3%
45.7%	576	523	-53	-9.2%
46.9%	567	508	-59	-10.4%
48.1%	532	506	-26	-4.9%
49.4%	528	487	-41	-7.8%
50.6%	528	482	-46	-8.7%
51.9%	528	481	-47	-8.9%
53.1%	525	464	-62	-11.8%
54.3%	520	451	-69	-13.2%
55.6%	499	446	-52	-10.5%
56.8%	492	443	-49	-9.9%
58.0%	485	442	-44	-9.0%
59.3%	472	441	-31	-6.7%
60.5%	442	433	-9	-2.0%
61.7%	424	431	7	1.6%
63.0%	383	423	41	10.6%
64.2%	373	413	40	10.7%
65.4%	365	394	29	8.0%
66.7%	363	379	16	4.3%
67.9%	344	368	24	6.9%
69.1%	338	350	13	3.7%
70.4%	328	327	-2	-0.5%
71.6%	321	324	3	1.0%
72.8%	302	322	20	6.5%
74.1%	295	315	21	7.0%
75.3%	291	305	14	4.8%
76.5%	277	302	25	9.0%
77.8%	276	287	11	3.8%
79.0%	272	278	6	2.1%
80.2%	256	274	18	7.0%
81.5%	248	259	11	4.4%
82.7%	243	248	5	2.2%
84.0%	237	237	0	0.2%
85.2%	235	236	1	0.6%
86.4%	222	224	2	0.9%
87.7%	218	212	-6	-2.9%
88.9%	216	199	-17	-7.9%
90.1%	207	189	-18	-8.5%
91.4%	205	189	-16	-7.9%
92.6%	203	185	-18	-8.9%
93.8%	176	181	5	2.6%
95.1%	171	164	-6	-3.6%
96.3%	169	164	-5	-2.8%
97.5%	168	150	-19	-11.0%
98.8%	124	142	17	14.1%
100.0%	101	129	27	26.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,617	1,612	-5	-0.3%
1.2%	1,442	1,449	7	0.5%
2.5%	1,217	1,125	-93	-7.6%
3.7%	1,058	927	-131	-12.4%
4.9%	967	911	-56	-5.8%
6.2%	953	894	-58	-6.1%
7.4%	937	842	-95	-10.1%
8.6%	858	784	-74	-8.6%
9.9%	850	780	-70	-8.3%
11.1%	834	777	-57	-6.8%
12.3%	768	765	-3	-0.4%
13.6%	740	735	-5	-0.7%
14.8%	740	706	-34	-4.6%
16.0%	735	682	-53	-7.2%
17.3%	710	663	-47	-6.6%
18.5%	695	654	-41	-5.9%
19.8%	687	628	-59	-8.6%
21.0%	683	623	-60	-8.8%
22.2%	681	616	-64	-9.5%
23.5%	660	608	-52	-7.9%
24.7%	643	607	-37	-5.7%
25.9%	641	606	-35	-5.5%
27.2%	632	583	-49	-7.7%
28.4%	629	583	-47	-7.4%
29.6%	622	567	-55	-8.8%
30.9%	618	555	-63	-10.2%
32.1%	610	550	-60	-9.9%
33.3%	593	547	-46	-7.7%
34.6%	571	547	-25	-4.3%
35.8%	557	527	-30	-5.3%
37.0%	550	524	-27	-4.9%
38.3%	542	514	-28	-5.2%
39.5%	537	507	-31	-5.7%
40.7%	530	494	-36	-6.8%
42.0%	529	493	-35	-6.7%
43.2%	528	488	-40	-7.6%
44.4%	518	487	-31	-6.0%
45.7%	497	476	-21	-4.3%
46.9%	490	463	-27	-5.5%
48.1%	482	453	-29	-6.1%
49.4%	476	449	-28	-5.8%
50.6%	476	442	-33	-7.0%
51.9%	469	441	-28	-6.0%
53.1%	468	434	-34	-7.2%
54.3%	458	434	-24	-5.3%
55.6%	439	424	-14	-3.2%
56.8%	418	424	6	1.5%
58.0%	407	421	14	3.3%
59.3%	400	408	7	1.8%
60.5%	400	395	-5	-1.2%
61.7%	382	390	9	2.3%
63.0%	348	378	30	8.6%
64.2%	347	375	28	8.1%
65.4%	345	359	14	4.2%
66.7%	342	354	12	3.4%
67.9%	340	350	10	2.8%
69.1%	334	345	11	3.3%
70.4%	329	328	-1	-0.3%
71.6%	327	325	-2	-0.7%
72.8%	309	322	13	4.1%
74.1%	307	283	-24	-7.9%
75.3%	302	278	-24	-8.0%
76.5%	301	277	-24	-8.0%
77.8%	298	271	-26	-8.9%
79.0%	284	269	-15	-5.2%
80.2%	282	268	-14	-5.0%
81.5%	278	257	-21	-7.6%
82.7%	260	253	-7	-2.7%
84.0%	252	242	-9	-3.6%
85.2%	243	233	-10	-4.0%
86.4%	242	224	-18	-7.4%
87.7%	236	216	-20	-8.5%
88.9%	224	214	-10	-4.4%
90.1%	222	204	-17	-7.8%
91.4%	220	203	-17	-7.7%
92.6%	219	195	-23	-10.6%
93.8%	188	191	4	1.9%
95.1%	179	185	6	3.5%
96.3%	175	184	9	5.2%
97.5%	163	183	19	11.9%
98.8%	145	150	5	3.5%
100.0%	100	132	32	32.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative B End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,727	1,706	-21	-1.2%
1.2%	1,103	1,444	341	30.9%
2.5%	1,064	1,184	120	11.3%
3.7%	1,047	1,051	4	0.4%
4.9%	968	1,012	44	4.5%
6.2%	940	942	2	0.2%
7.4%	931	940	9	1.0%
8.6%	881	906	25	2.9%
9.9%	862	901	38	4.4%
11.1%	829	857	28	3.4%
12.3%	820	834	13	1.6%
13.6%	820	805	-16	-1.9%
14.8%	813	789	-24	-3.0%
16.0%	767	756	-12	-1.5%
17.3%	762	734	-28	-3.7%
18.5%	746	732	-14	-1.9%
19.8%	740	731	-10	-1.3%
21.0%	727	724	-2	-0.3%
22.2%	726	719	-7	-1.0%
23.5%	725	705	-21	-2.9%
24.7%	723	699	-23	-3.2%
25.9%	702	691	-11	-1.5%
27.2%	700	685	-15	-2.2%
28.4%	697	685	-12	-1.7%
29.6%	691	679	-12	-1.7%
30.9%	689	677	-12	-1.7%
32.1%	686	674	-11	-1.7%
33.3%	681	673	-8	-1.1%
34.6%	680	672	-7	-1.1%
35.8%	662	634	-28	-4.3%
37.0%	657	624	-33	-5.0%
38.3%	653	622	-31	-4.8%
39.5%	645	616	-29	-4.5%
40.7%	634	611	-23	-3.6%
42.0%	619	599	-20	-3.2%
43.2%	605	590	-16	-2.6%
44.4%	602	588	-15	-2.4%
45.7%	600	584	-16	-2.7%
46.9%	587	575	-12	-2.1%
48.1%	574	573	-1	-0.2%
49.4%	572	566	-7	-1.2%
50.6%	564	564	0	0.0%
51.9%	553	563	10	1.8%
53.1%	552	563	11	1.9%
54.3%	552	562	10	1.8%
55.6%	550	561	11	2.1%
56.8%	548	553	5	1.0%
58.0%	547	541	-6	-1.0%
59.3%	521	525	5	0.9%
60.5%	519	524	5	1.0%
61.7%	514	512	-3	-0.5%
63.0%	476	501	25	5.2%
64.2%	474	495	21	4.4%
65.4%	463	486	23	5.1%
66.7%	459	480	20	4.4%
67.9%	458	475	17	3.8%
69.1%	452	473	22	4.8%
70.4%	445	459	14	3.1%
71.6%	423	439	16	3.8%
72.8%	418	428	10	2.3%
74.1%	409	413	4	0.9%
75.3%	407	410	3	0.6%
76.5%	388	400	12	3.1%
77.8%	383	373	-10	-2.6%
79.0%	375	371	-4	-1.2%
80.2%	363	362	-1	-0.2%
81.5%	361	355	-6	-1.7%
82.7%	330	350	21	6.3%
84.0%	324	340	16	4.9%
85.2%	320	334	13	4.1%
86.4%	318	327	9	2.9%
87.7%	293	326	33	11.2%
88.9%	291	325	34	11.8%
90.1%	276	315	39	14.3%
91.4%	256	308	52	20.4%
92.6%	256	293	38	14.7%
93.8%	251	293	42	16.6%
95.1%	251	275	24	9.4%
96.3%	245	255	10	4.1%
97.5%	234	254	20	8.8%
98.8%	228	222	-6	-2.6%
100.0%	145	220	75	52.1%

Table SW-42-5a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	414	428	462	482	495	503	482	450	413	403	395	405
Alternative B	417	437	469	488	500	506	485	451	411	400	393	406
Difference	4	9	7	6	5	3	2	1	-2	-3	-3	1
Percent Difference[3]	0.9%	2.1%	1.5%	1.2%	1.0%	0.5%	0.4%	0.2%	-0.4%	-0.8%	-0.7%	0.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	426	429	463	489	506	520	498	467	438	422	413	424
Alternative B	438	446	478	494	509	522	500	468	438	421	411	426
Difference	11	16	15	5	3	2	2	1	0	0	-2	2
Percent Difference	2.7%	3.8%	3.3%	1.0%	0.6%	0.4%	0.4%	0.3%	0.0%	-0.1%	-0.6%	0.4%
Above Normal (15%)												
No Action Alternative	410	420	457	476	489	501	477	438	405	388	384	398
Alternative B	420	440	474	488	497	508	483	445	407	393	387	407
Difference	10	20	17	13	9	6	7	6	2	5	3	8
Percent Difference	2.5%	4.8%	3.7%	2.6%	1.8%	1.3%	1.4%	1.5%	0.5%	1.3%	0.7%	2.1%
Below Normal (17%)												
No Action Alternative	414	445	477	482	493	501	478	440	395	388	383	398
Alternative B	420	452	483	490	499	504	481	443	399	392	388	403
Difference	6	7	6	8	6	3	3	3	3	4	5	5
Percent Difference	1.4%	1.6%	1.4%	1.6%	1.2%	0.7%	0.6%	0.7%	0.8%	1.0%	1.2%	1.2%
Dry (22%)												
No Action Alternative	406	428	459	485	497	498	477	442	394	392	389	396
Alternative B	395	424	456	489	499	499	476	439	385	379	376	388
Difference	-11	-4	-3	4	3	0	-1	-4	-8	-14	-13	-8
Percent Difference	-2.6%	-1.0%	-0.7%	0.7%	0.6%	0.1%	-0.2%	-0.8%	-2.2%	-3.5%	-3.2%	-2.0%
Critical (15%)												
No Action Alternative	401	414	452	468	478	479	467	447	415	410	392	393
Alternative B	399	416	446	471	484	482	468	445	409	400	388	396
Difference	-1	2	-6	3	6	3	1	-2	-6	-9	-4	3
Percent Difference	-0.3%	0.6%	-1.4%	0.7%	1.2%	0.7%	0.3%	-0.3%	-1.4%	-2.3%	-0.9%	0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-42-5b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

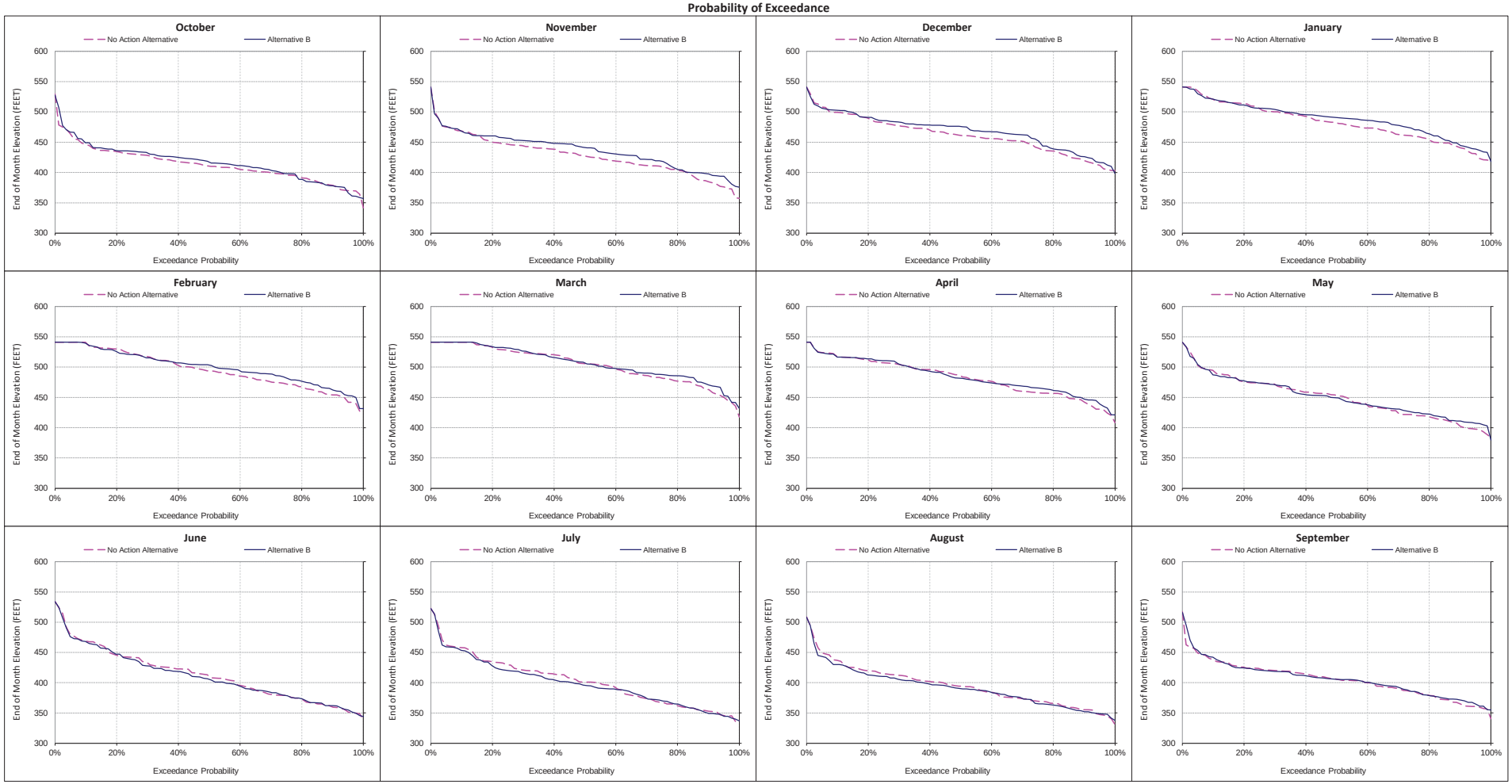

Table SW-42-5b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	530	528	-2	-0.3%
1.2%	478	507	29	6.0%
2.5%	475	477	3	0.5%
3.7%	471	471	-1	-0.2%
4.9%	464	467	2	0.5%
6.2%	455	466	11	2.4%
7.4%	454	456	2	0.4%
8.6%	449	456	7	1.5%
9.9%	447	449	3	0.6%
11.1%	445	449	4	1.0%
12.3%	440	441	1	0.3%
13.6%	438	441	3	0.6%
14.8%	436	441	4	1.0%
16.0%	436	439	3	0.7%
17.3%	436	439	3	0.7%
18.5%	435	438	3	0.7%
19.8%	435	436	2	0.4%
21.0%	434	436	2	0.5%
22.2%	432	436	4	1.0%
23.5%	431	436	4	0.9%
24.7%	431	435	5	1.1%
25.9%	430	435	5	1.1%
27.2%	429	434	5	1.1%
28.4%	429	434	4	1.0%
29.6%	429	433	5	1.1%
30.9%	428	430	3	0.6%
32.1%	425	430	5	1.2%
33.3%	423	428	5	1.2%
34.6%	422	427	5	1.1%
35.8%	421	427	5	1.3%
37.0%	421	426	5	1.3%
38.3%	419	426	7	1.6%
39.5%	419	425	7	1.6%
40.7%	417	424	7	1.7%
42.0%	417	424	7	1.6%
43.2%	416	423	7	1.7%
44.4%	416	422	7	1.6%
45.7%	415	422	7	1.7%
46.9%	414	421	7	1.6%
48.1%	412	420	7	1.8%
49.4%	411	419	7	1.8%
50.6%	410	416	6	1.4%
51.9%	410	415	5	1.3%
53.1%	409	415	6	1.5%
54.3%	408	415	6	1.5%
55.6%	408	414	6	1.4%
56.8%	408	414	6	1.4%
58.0%	408	412	4	1.1%
59.3%	406	411	6	1.4%
60.5%	405	411	6	1.6%
61.7%	404	411	6	1.5%
63.0%	404	410	6	1.5%
64.2%	403	408	6	1.4%
65.4%	402	408	6	1.5%
66.7%	401	407	6	1.5%
67.9%	401	406	5	1.2%
69.1%	400	405	5	1.2%
70.4%	399	403	4	1.0%
71.6%	398	402	4	0.9%
72.8%	398	401	3	0.6%
74.1%	398	399	1	0.2%
75.3%	396	398	3	0.7%
76.5%	395	398	3	0.7%
77.8%	395	398	2	0.6%
79.0%	393	389	-5	-1.2%
80.2%	391	388	-3	-0.7%
81.5%	391	385	-6	-1.4%
82.7%	388	385	-3	-0.9%
84.0%	387	384	-3	-0.8%
85.2%	384	383	-1	-0.3%
86.4%	382	383	1	0.2%
87.7%	381	380	-2	-0.5%
88.9%	380	378	-1	-0.3%
90.1%	379	378	-1	-0.2%
91.4%	376	377	1	0.3%
92.6%	372	376	5	1.2%
93.8%	371	375	5	1.3%
95.1%	370	366	-4	-1.0%
96.3%	370	361	-9	-2.3%
97.5%	370	361	-9	-2.4%
98.8%	364	359	-5	-1.5%
100.0%	342	357	16	4.5%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	501	497	-4	-0.9%
2.5%	489	490	0	0.1%
3.7%	477	477	0	0.1%
4.9%	475	476	1	0.3%
6.2%	475	474	-1	-0.2%
7.4%	471	473	2	0.3%
8.6%	469	472	3	0.6%
9.9%	469	468	-1	-0.1%
11.1%	467	465	-1	-0.3%
12.3%	466	465	-2	-0.3%
13.6%	463	461	-2	-0.4%
14.8%	462	461	-1	-0.2%
16.0%	460	461	1	0.3%
17.3%	454	461	7	1.4%
18.5%	453	460	8	1.7%
19.8%	450	460	11	2.3%
21.0%	450	460	11	2.4%
22.2%	449	458	9	2.1%
23.5%	447	457	10	2.3%
24.7%	447	457	10	2.2%
25.9%	446	456	10	2.3%
27.2%	445	453	8	1.8%
28.4%	445	453	8	1.9%
29.6%	444	453	8	1.9%
30.9%	443	452	10	2.2%
32.1%	443	452	9	2.1%
33.3%	441	451	10	2.3%
34.6%	440	451	11	2.5%
35.8%	440	451	11	2.5%
37.0%	440	450	10	2.4%
38.3%	439	449	10	2.3%
39.5%	439	448	10	2.2%
40.7%	438	448	10	2.2%
42.0%	434	448	14	3.3%
43.2%	433	448	14	3.3%
44.4%	432	447	15	3.4%
45.7%	432	447	15	3.4%
46.9%	432	444	13	2.9%
48.1%	429	443	14	3.4%
49.4%	428	442	13	3.1%
50.6%	426	441	15	3.4%
51.9%	425	441	16	3.7%
53.1%	425	440	15	3.6%
54.3%	425	434	10	2.3%
55.6%	422	434	12	2.8%
56.8%	422	432	11	2.6%
58.0%	420	432	12	3.0%
59.3%	419	431	12	2.8%
60.5%	418	430	11	2.7%
61.7%	418	429	11	2.7%
63.0%	417	429	12	2.8%
64.2%	417	428	12	2.8%
65.4%	415	428	13	3.2%
66.7%	413	428	15	3.7%
67.9%	413	422	9	2.2%
69.1%	412	422	10	2.4%
70.4%	411	422	10	2.5%
71.6%	411	422	10	2.6%
72.8%	411	420	9	2.1%
74.1%	411	419	9	2.1%
75.3%	409	418	9	2.2%
76.5%	408	415	7	1.7%
77.8%	405	410	5	1.3%
79.0%	405	407	2	0.5%
80.2%	404	405	1	0.3%
81.5%	403	404	1	0.4%
82.7%	401	400	0	-0.1%
84.0%	398	400	2	0.6%
85.2%	393	400	6	1.6%
86.4%	389	400	11	2.8%
87.7%	387	399	13	3.3%
88.9%	386	399	12	3.1%
90.1%	385	398	13	3.4%
91.4%	383	395	12	3.2%
92.6%	381	395	14	3.6%
93.8%	377	394	17	4.5%
95.1%	376	394	18	4.7%
96.3%	373	387	14	3.7%
97.5%	373	381	8	2.1%
98.8%	358	377	19	5.3%
100.0%	357	376	19	5.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	530	526	-4	-0.8%
2.5%	515	513	-2	-0.4%
3.7%	513	510	-3	-0.6%
4.9%	508	506	-2	-0.4%
6.2%	507	505	-3	-0.5%
7.4%	501	504	3	0.6%
8.6%	499	503	4	0.8%
9.9%	499	503	3	0.7%
11.1%	499	502	4	0.7%
12.3%	498	502	5	1.0%
13.6%	497	500	3	0.6%
14.8%	496	499	3	0.7%
16.0%	496	497	1	0.2%
17.3%	492	492	0	0.0%
18.5%	491	492	0	0.0%
19.8%	490	491	1	0.2%
21.0%	487	491	4	0.8%
22.2%	484	488	4	0.8%
23.5%	483	486	3	0.6%
24.7%	483	486	3	0.6%
25.9%	480	486	5	1.1%
27.2%	480	484	5	1.0%
28.4%	479	484	5	1.1%
29.6%	477	484	6	1.3%
30.9%	476	483	7	1.4%
32.1%	476	480	4	0.9%
33.3%	474	480	6	1.2%
34.6%	473	480	7	1.4%
35.8%	473	479	6	1.2%
37.0%	473	479	6	1.2%
38.3%	473	478	6	1.2%
39.5%	471	478	7	1.5%
40.7%	468	478	10	2.1%
42.0%	467	478	11	2.3%
43.2%	467	478	11	2.3%
44.4%	466	478	11	2.4%
45.7%	464	477	12	2.6%
46.9%	464	476	13	2.7%
48.1%	463	476	13	2.9%
49.4%	462	476	15	3.2%
50.6%	461	476	15	3.2%
51.9%	461	475	14	3.1%
53.1%	461	470	9	2.0%
54.3%	460	469	9	2.0%
55.6%	458	469	10	2.3%
56.8%	457	468	11	2.3%
58.0%	456	468	11	2.5%
59.3%	456	467	11	2.5%
60.5%	456	467	11	2.4%
61.7%	456	467	11	2.5%
63.0%	455	466	11	2.4%
64.2%	454	465	11	2.4%
65.4%	453	464	11	2.4%
66.7%	453	463	11	2.3%
67.9%	452	463	10	2.3%
69.1%	452	462	11	2.3%
70.4%	451	462	11	2.4%
71.6%	448	462	14	3.1%
72.8%	447	457	10	2.2%
74.1%	442	455	13	3.1%
75.3%	440	452	12	2.7%
76.5%	437	444	7	1.5%
77.8%	436	444	7	1.7%
79.0%	436	440	4	1.0%
80.2%	435	439	3	0.7%
81.5%	434	438	4	1.0%
82.7%	431	437	7	1.5%
84.0%	429	437	8	1.9%
85.2%	425	436	11	2.5%
86.4%	424	433	10	2.2%
87.7%	423	429	5	1.2%
88.9%	422	426	4	1.0%
90.1%	419	426	6	1.5%
91.4%	417	424	7	1.7%
92.6%	415	423	8	1.8%
93.8%	414	418	4	1.0%
95.1%	412	417	5	1.2%
96.3%	406	416	10	2.4%
97.5%	405	412	7	1.8%
98.8%	403	410	7	1.7%
100.0%	403	398	-5	-1.2%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	538	-3	-0.6%
3.7%	540	537	-2	-0.4%
4.9%	535	530	-5	-0.9%
6.2%	529	527	-2	-0.3%
7.4%	528	523	-5	-0.9%
8.6%	523	522	0	0.0%
9.9%	521	521	0	0.0%
11.1%	517	520	2	0.5%
12.3%	516	518	2	0.4%
13.6%	516	518	1	0.2%
14.8%	516	516	0	0.0%
16.0%	515	515	0	0.0%
17.3%	515	513	-2	-0.3%
18.5%	514	512	-3	-0.5%
19.8%	514	512	-2	-0.4%
21.0%	513	510	-3	-0.6%
22.2%	510	508	-2	-0.4%
23.5%	510	506	-3	-0.6%
24.7%	507	506	-1	-0.1%
25.9%	503	506	3	0.6%
27.2%	501	506	5	0.9%
28.4%	501	505	5	0.9%
29.6%	500	504	4	0.8%
30.9%	500	503	3	0.6%
32.1%	498	501	3	0.6%
33.3%	498	500	2	0.3%
34.6%	498	499	2	0.4%
35.8%	495	499	3	0.7%
37.0%	495	498	3	0.6%
38.3%	495	496	1	0.3%
39.5%	493	495	2	0.5%
40.7%	492	495	4	0.7%
42.0%	489	495	6	1.2%
43.2%	486	494	8	1.7%
44.4%	486	493	8	1.6%
45.7%	485	493	8	1.7%
46.9%	484	492	8	1.6%
48.1%	483	492	9	1.8%
49.4%	483	491	8	1.7%
50.6%	481	490	10	2.0%
51.9%	481	490	9	2.0%
53.1%	479	490	11	2.2%
54.3%	478	489	11	2.3%
55.6%	477	488	12	2.5%
56.8%	475	488	13	2.7%
58.0%	474	487	13	2.7%
59.3%	474	486	13	2.7%
60.5%	474	486	12	2.6%
61.7%	474	485	12	2.5%
63.0%	473	484	11	2.4%
64.2%	470	484	13	2.8%
65.4%	470	484	14	2.9%
66.7%	468	483	15	3.2%
67.9%	466	479	13	2.8%
69.1%	464	478	15	3.2%
70.4%	463	478	15	3.3%
71.6%	462	476	14	3.1%
72.8%	461	475	13	2.9%
74.1%	461	473	13	2.7%
75.3%	459	470	11	2.4%
76.5%	459	470	11	2.4%
77.8%	457	469	11	2.4%
79.0%	456	465	9	1.9%
80.2%	453	464	11	2.3%
81.5%	450	460	11	2.3%
82.7%	449	460	11	2.4%
84.0%	449	457	7	1.7%
85.2%	449	453	5	1.1%
86.4%	449	453	4	0.8%
87.7%	445	449	4	1.0%
88.9%	443	449	6	1.3%
90.1%	441	445	4	0.9%
91.4%	439	443	4	0.8%
92.6%	435	442	7	1.6%
93.8%	432	440	8	1.8%
95.1%	431	439	8	1.8%
96.3%	423	437	13	3.2%
97.5%	421	434	13	3.1%
98.8%	420	433	13	3.1%
100.0%	419	418	-1	-0.3%

Table SW-42-5b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	-0.1%
9.9%	541	540	-2	-0.3%
11.1%	535	536	1	0.1%
12.3%	533	535	2	0.3%
13.6%	533	533	1	0.1%
14.8%	532	530	-2	-0.3%
16.0%	532	529	-3	-0.5%
17.3%	531	529	-2	-0.4%
18.5%	530	529	-2	-0.3%
19.8%	530	526	-4	-0.7%
21.0%	530	523	-7	-1.4%
22.2%	526	522	-4	-0.8%
23.5%	524	521	-3	-0.6%
24.7%	523	521	-2	-0.3%
25.9%	521	521	-1	-0.1%
27.2%	520	520	-1	-0.1%
28.4%	518	518	-1	-0.1%
29.6%	518	515	-2	-0.5%
30.9%	517	515	-1	-0.3%
32.1%	514	513	0	-0.1%
33.3%	512	512	0	0.0%
34.6%	511	511	0	-0.1%
35.8%	511	510	-1	-0.2%
37.0%	510	509	-1	-0.2%
38.3%	508	509	1	0.2%
39.5%	504	507	3	0.6%
40.7%	501	507	6	1.1%
42.0%	501	506	6	1.1%
43.2%	501	505	4	0.9%
44.4%	500	504	5	0.9%
45.7%	498	504	7	1.4%
46.9%	497	504	7	1.4%
48.1%	495	504	9	1.7%
49.4%	494	504	10	2.0%
50.6%	494	503	9	1.8%
51.9%	493	500	7	1.4%
53.1%	491	498	7	1.3%
54.3%	491	498	6	1.3%
55.6%	489	497	8	1.6%
56.8%	488	497	9	1.9%
58.0%	488	496	8	1.7%
59.3%	486	496	10	2.1%
60.5%	485	492	7	1.5%
61.7%	484	492	8	1.6%
63.0%	482	492	10	2.1%
64.2%	482	491	9	2.0%
65.4%	479	491	11	2.4%
66.7%	479	489	11	2.2%
67.9%	479	489	11	2.2%
69.1%	477	489	12	2.5%
70.4%	475	488	13	2.8%
71.6%	475	486	11	2.4%
72.8%	474	486	12	2.4%
74.1%	473	484	11	2.3%
75.3%	471	481	10	2.1%
76.5%	471	479	8	1.6%
77.8%	471	479	8	1.7%
79.0%	468	478	10	2.2%
80.2%	467	476	9	1.9%
81.5%	464	475	11	2.3%
82.7%	463	474	11	2.3%
84.0%	462	471	9	1.9%
85.2%	459	470	11	2.4%
86.4%	459	466	7	1.6%
87.7%	456	465	10	2.1%
88.9%	454	465	11	2.4%
90.1%	454	462	8	1.7%
91.4%	454	460	6	1.4%
92.6%	452	460	8	1.8%
93.8%	450	455	5	1.1%
95.1%	442	453	11	2.5%
96.3%	442	453	11	2.4%
97.5%	440	450	10	2.3%
98.8%	427	432	4	1.1%
100.0%	424	431	7	1.7%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	537	540	3	0.5%
16.0%	537	537	1	0.1%
17.3%	535	536	1	0.1%
18.5%	535	535	0	0.0%
19.8%	533	534	1	0.1%
21.0%	530	533	3	0.6%
22.2%	529	533	4	0.7%
23.5%	529	532	4	0.7%
24.7%	528	532	3	0.6%
25.9%	526	531	5	0.9%
27.2%	525	530	4	0.8%
28.4%	524	529	5	0.9%
29.6%	524	527	3	0.5%
30.9%	524	526	2	0.5%
32.1%	523	524	1	0.3%
33.3%	522	522	0	0.0%
34.6%	522	521	-1	-0.2%
35.8%	522	521	-1	-0.2%
37.0%	521	520	-1	-0.1%
38.3%	521	517	-3	-0.6%
39.5%	521	516	-4	-0.9%
40.7%	520	515	-5	-0.9%
42.0%	519	514	-5	-1.0%
43.2%	515	513	-2	-0.4%
44.4%	515	512	-3	-0.5%
45.7%	513	510	-2	-0.5%
46.9%	509	509	1	0.1%
48.1%	507	509	2	0.4%
49.4%	506	508	2	0.4%
50.6%	506	505	-1	-0.1%
51.9%	505	505	0	-0.1%
53.1%	505	504	-1	-0.1%
54.3%	504	502	-2	-0.4%
55.6%	503	501	-2	-0.3%
56.8%	503	499	-4	-0.7%
58.0%	501	498	-3	-0.6%
59.3%	499	498	-1	-0.2%
60.5%	496	497	1	0.3%
61.7%	495	497	2	0.5%
63.0%	492	496	5	1.0%
64.2%	489	496	7	1.3%
65.4%	489	495	6	1.2%
66.7%	488	491	3	0.6%
67.9%	488	491	3	0.5%
69.1%	486	490	4	0.8%
70.4%	486	490	4	0.8%
71.6%	484	490	6	1.2%
72.8%	483	488	5	1.0%
74.1%	483	488	5	1.1%
75.3%	481	488	7	1.4%
76.5%	481	487	6	1.2%
77.8%	480	486	6	1.3%
79.0%	477	486	8	1.8%
80.2%	477	486	9	1.9%
81.5%	476	485	9	1.9%
82.7%	476	484	8	1.7%
84.0%	476	483	7	1.5%
85.2%	473	483	10	2.1%
86.4%	470	475	6	1.2%
87.7%	468	475	7	1.4%
88.9%	463	473	10	2.1%
90.1%	463	470	8	1.7%
91.4%	458	469	11	2.4%
92.6%	455	468	13	2.8%
93.8%	453	467	13	3.0%
95.1%	450	453	3	0.6%
96.3%	445	452	7	1.6%
97.5%	441	442	1	0.2%
98.8%	436	442	6	1.4%
100.0%	418	432	14	3.4%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	531	531	0	0.0%
3.7%	525	525	-1	-0.2%
4.9%	524	524	0	-0.1%
6.2%	523	523	-1	-0.2%
7.4%	523	522	-1	-0.3%
8.6%	522	521	-1	-0.2%
9.9%	518	517	-1	-0.2%
11.1%	517	517	0	0.0%
12.3%	516	516	0	0.0%
13.6%	516	516	0	0.0%
14.8%	515	516	0	0.0%
16.0%	515	516	0	0.1%
17.3%	514	515	1	0.1%
18.5%	513	514	2	0.3%
19.8%	512	514	1	0.2%
21.0%	510	513	4	0.8%
22.2%	509	512	2	0.4%
23.5%	507	511	4	0.7%
24.7%	507	511	4	0.7%
25.9%	507	511	4	0.8%
27.2%	507	510	4	0.7%
28.4%	506	510	4	0.7%
29.6%	505	506	1	0.2%
30.9%	504	503	-1	-0.1%
32.1%	502	502	0	0.0%
33.3%	501	500	-1	-0.3%
34.6%	498	499	0	0.0%
35.8%	496	497	1	0.2%
37.0%	496	495	-1	-0.2%
38.3%	496	495	-1	-0.2%
39.5%	496	493	-2	-0.5%
40.7%	495	492	-3	-0.6%
42.0%	495	492	-3	-0.6%
43.2%	493	492	-1	-0.2%
44.4%	492	488	-4	-0.8%
45.7%	491	486	-5	-1.0%
46.9%	489	484	-6	-1.1%
48.1%	488	482	-5	-1.1%
49.4%	487	482	-5	-1.1%
50.6%	484	482	-2	-0.5%
51.9%	483	480	-3	-0.6%
53.1%	481	479	-1	-0.3%
54.3%	480	479	-1	-0.3%
55.6%	479	478	-1	-0.2%
56.8%	478	476	-2	-0.4%
58.0%	477	475	-2	-0.5%
59.3%	477	474	-3	-0.6%
60.5%	476	473	-3	-0.6%
61.7%	472	473	1	0.2%
63.0%	471	472	1	0.3%
64.2%	470	472	1	0.3%
65.4%	468	472	4	0.8%
66.7%	464	470	6	1.4%
67.9%	461	470	8	1.8%
69.1%	460	469	9	1.9%
70.4%	460	468	9	1.9%
71.6%	460	468	9	1.9%
72.8%	459	466	8	1.7%
74.1%	458	466	8	1.7%
75.3%	457	465	8	1.7%
76.5%	457	464	7	1.6%
77.8%	457	464	7	1.5%
79.0%	457	463	6	1.3%
80.2%	457	461	5	1.0%
81.5%	456	461	4	1.0%
82.7%	455	459	4	0.9%
84.0%	452	459	6	1.4%
85.2%	448	456	8	1.7%
86.4%	448	451	4	0.8%
87.7%	447	450	3	0.7%
88.9%	446	450	4	0.8%
90.1%	442	447	5	1.1%
91.4%	439	446	7	1.6%
92.6%	435	446	10	2.4%
93.8%	431	445	14	3.3%
95.1%	430	439	9	2.0%
96.3%	429	435	6	1.4%
97.5%	424	432	8	1.9%
98.8%	420	422	1	0.3%
100.0%	408	421	13	3.1%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	533	533	0	0.1%
2.5%	526	518	-8	-1.5%
3.7%	515	514	0	-0.1%
4.9%	503	504	1	0.2%
6.2%	499	499	1	0.1%
7.4%	498	497	-1	-0.2%
8.6%	496	495	0	-0.1%
9.9%	495	487	-7	-1.5%
11.1%	489	487	-3	-0.5%
12.3%	489	484	-4	-0.9%
13.6%	487	484	-3	-0.7%
14.8%	487	483	-5	-1.0%
16.0%	483	483	0	-0.1%
17.3%	483	482	-1	-0.1%
18.5%	478	478	0	0.1%
19.8%	476	478	2	0.4%
21.0%	475	476	1	0.2%
22.2%	474	475	1	0.2%
23.5%	474	475	1	0.3%
24.7%	473	474	0	0.0%
25.9%	473	473	0	0.0%
27.2%	473	473	0	0.0%
28.4%	472	472	-1	-0.2%
29.6%	472	471	-1	-0.2%
30.9%	468	470	2	0.3%
32.1%	467	469	3	0.6%
33.3%	465	469	4	0.9%
34.6%	464	468	3	0.7%
35.8%	463	460	-3	-0.7%
37.0%	463	457	-5	-1.2%
38.3%	460	456	-4	-1.0%
39.5%	459	455	-4	-0.9%
40.7%	459	454	-5	-1.1%
42.0%	458	454	-5	-1.0%
43.2%	457	453	-4	-0.8%
44.4%	457	453	-3	-0.7%
45.7%	456	453	-4	-0.8%
46.9%	456	453	-4	-0.8%
48.1%	455	450	-5	-1.0%
49.4%	454	449	-5	-1.1%
50.6%	452	449	-3	-0.7%
51.9%	452	446	-6	-1.3%
53.1%	450	443	-7	-1.5%
54.3%	447	442	-5	-1.2%
55.6%	442	441	0	0.0%
56.8%	441	440	-1	-0.2%
58.0%	440	439	-1	-0.3%
59.3%	440	438	-2	-0.4%
60.5%	435	437	3	0.6%
61.7%	434	436	1	0.3%
63.0%	433	435	2	0.4%
64.2%	433	434	1	0.3%
65.4%	432	433	1	0.3%
66.7%	431	433	1	0.3%
67.9%	428	431	3	0.7%
69.1%	428	431	3	0.7%
70.4%	422	431	8	1.9%
71.6%	422	428	7	1.6%
72.8%	422	427	6	1.4%
74.1%	422	426	4	1.0%
75.3%	420	425	5	1.2%
76.5%	420	425	5	1.1%
77.8%	420	423	3	0.8%
79.0%	419	423	3	0.8%
80.2%	418	422	4	1.1%
81.5%	416	420	4	1.0%
82.7%	414	419	4	1.1%
84.0%	414	418	3	0.8%
85.2%	413	417	5	1.2%
86.4%	411	412	1	0.2%
87.7%	409	412	3	0.7%
88.9%	407	411	4	0.9%
90.1%	402	411	9	2.1%
91.4%	400	409	9	2.3%
92.6%	399	409	10	2.5%
93.8%	398	408	10	2.5%
95.1%	398	407	10	2.4%
96.3%	397	407	10	2.4%
97.5%	393	405	12	3.0%
98.8%	389	403	14	3.7%
100.0%	384	379	-4	-1.1%

Table SW-42-5b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	534	534	0	0.0%
1.2%	524	525	0	0.1%
2.5%	515	507	-7	-1.5%
3.7%	492	491	-1	-0.2%
4.9%	480	476	-4	-0.7%
6.2%	477	473	-4	-0.9%
7.4%	473	472	-1	-0.1%
8.6%	471	469	-2	-0.3%
9.9%	469	468	-1	-0.2%
11.1%	468	465	-3	-0.6%
12.3%	468	463	-4	-0.9%
13.6%	465	463	-2	-0.4%
14.8%	462	457	-5	-1.1%
16.0%	460	457	-3	-0.6%
17.3%	450	456	6	1.2%
18.5%	448	451	3	0.6%
19.8%	446	447	1	0.3%
21.0%	443	447	4	0.9%
22.2%	443	441	-2	-0.3%
23.5%	442	440	-2	-0.5%
24.7%	442	439	-4	-0.8%
25.9%	442	438	-4	-0.9%
27.2%	441	435	-6	-1.4%
28.4%	435	429	-6	-1.5%
29.6%	434	428	-6	-1.4%
30.9%	429	427	-2	-0.5%
32.1%	428	424	-4	-1.0%
33.3%	427	424	-3	-0.7%
34.6%	426	423	-3	-0.7%
35.8%	426	420	-5	-1.3%
37.0%	425	420	-5	-1.2%
38.3%	424	419	-5	-1.1%
39.5%	423	419	-4	-1.0%
40.7%	423	418	-4	-1.0%
42.0%	422	416	-6	-1.4%
43.2%	422	415	-7	-1.7%
44.4%	417	410	-6	-1.5%
45.7%	416	410	-6	-1.5%
46.9%	415	410	-5	-1.3%
48.1%	414	407	-7	-1.6%
49.4%	413	406	-7	-1.6%
50.6%	408	404	-4	-0.9%
51.9%	408	401	-6	-1.6%
53.1%	407	401	-6	-1.5%
54.3%	407	401	-6	-1.5%
55.6%	405	399	-6	-1.5%
56.8%	404	399	-5	-1.3%
58.0%	403	398	-5	-1.4%
59.3%	396	396	0	0.0%
60.5%	395	393	-2	-0.5%
61.7%	394	390	-3	-0.9%
63.0%	391	390	-2	-0.4%
64.2%	390	388	-2	-0.6%
65.4%	387	388	1	0.2%
66.7%	386	387	2	0.4%
67.9%	384	386	3	0.7%
69.1%	381	385	4	1.0%
70.4%	381	384	3	0.8%
71.6%	380	383	4	0.9%
72.8%	379	381	2	0.5%
74.1%	379	379	0	0.0%
75.3%	379	378	0	-0.1%
76.5%	376	375	0	-0.1%
77.8%	375	375	0	0.0%
79.0%	375	375	0	0.0%
80.2%	372	373	1	0.3%
81.5%	368	370	2	0.5%
82.7%	367	367	0	0.0%
84.0%	367	367	0	0.1%
85.2%	365	367	2	0.4%
86.4%	365	366	1	0.4%
87.7%	363	362	-1	-0.2%
88.9%	362	362	0	0.0%
90.1%	359	362	3	0.8%
91.4%	359	362	3	0.8%
92.6%	358	359	1	0.2%
93.8%	356	356	0	0.1%
95.1%	352	355	3	0.9%
96.3%	350	351	2	0.5%
97.5%	350	350	0	-0.1%
98.8%	348	346	-3	-0.7%
100.0%	339	344	5	1.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	523	0	0.0%
1.2%	513	514	1	0.1%
2.5%	494	486	-8	-1.7%
3.7%	471	462	-8	-1.8%
4.9%	462	459	-3	-0.7%
6.2%	461	459	-2	-0.3%
7.4%	460	459	-1	-0.3%
8.6%	458	457	-1	-0.3%
9.9%	458	453	-5	-1.0%
11.1%	458	453	-5	-1.1%
12.3%	455	450	-5	-1.1%
13.6%	451	445	-6	-1.3%
14.8%	443	438	-4	-0.9%
16.0%	439	438	-1	-0.2%
17.3%	436	434	-2	-0.4%
18.5%	436	434	-2	-0.4%
19.8%	435	429	-6	-1.4%
21.0%	434	424	-9	-2.1%
22.2%	433	423	-11	-2.5%
23.5%	432	421	-11	-2.6%
24.7%	429	421	-9	-2.0%
25.9%	429	420	-10	-2.3%
27.2%	424	419	-4	-1.1%
28.4%	422	419	-4	-0.9%
29.6%	421	416	-5	-1.2%
30.9%	420	415	-5	-1.2%
32.1%	420	414	-6	-1.4%
33.3%	420	414	-6	-1.4%
34.6%	420	412	-8	-1.8%
35.8%	416	411	-5	-1.3%
37.0%	416	407	-8	-2.0%
38.3%	415	406	-9	-2.3%
39.5%	415	405	-10	-2.4%
40.7%	413	404	-10	-2.4%
42.0%	413	402	-11	-2.7%
43.2%	413	402	-11	-2.7%
44.4%	409	401	-7	-1.8%
45.7%	407	400	-6	-1.6%
46.9%	406	398	-7	-1.8%
48.1%	402	398	-3	-0.8%
49.4%	401	396	-5	-1.3%
50.6%	401	395	-6	-1.5%
51.9%	401	395	-6	-1.5%
53.1%	401	393	-8	-2.0%
54.3%	400	391	-9	-2.2%
55.6%	397	390	-7	-1.7%
56.8%	397	390	-6	-1.6%
58.0%	396	390	-6	-1.5%
59.3%	394	390	-4	-1.1%
60.5%	390	389	-1	-0.3%
61.7%	387	388	1	0.2%
63.0%	382	387	6	1.5%
64.2%	380	386	6	1.5%
65.4%	379	383	4	1.1%
66.7%	379	381	2	0.6%
67.9%	376	379	4	1.0%
69.1%	375	377	2	0.5%
70.4%	373	373	0	-0.1%
71.6%	372	373	0	0.1%
72.8%	369	372	3	0.8%
74.1%	368	371	3	0.9%
75.3%	367	370	2	0.6%
76.5%	365	369	4	1.1%
77.8%	365	367	2	0.5%
79.0%	364	365	1	0.3%
80.2%	361	365	3	0.8%
81.5%	360	362	2	0.5%
82.7%	359	360	1	0.3%
84.0%	358	358	0	0.0%
85.2%	358	358	0	0.1%
86.4%	355	356	0	0.1%
87.7%	355	354	-1	-0.3%
88.9%	354	351	-3	-0.9%
90.1%	353	349	-3	-0.9%
91.4%	352	349	-3	-0.9%
92.6%	352	348	-3	-1.0%
93.8%	347	348	1	0.3%
95.1%	346	344	-1	-0.4%
96.3%	345	344	-1	-0.3%
97.5%	345	342	-4	-1.1%
98.8%	336	340	4	1.1%
100.0%	331	337	6	1.8%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	509	508	0	-0.1%
1.2%	494	495	1	0.1%
2.5%	473	465	-9	-1.9%
3.7%	458	445	-13	-2.9%
4.9%	449	443	-6	-1.3%
6.2%	448	442	-6	-1.3%
7.4%	446	436	-10	-2.2%
8.6%	438	430	-8	-1.8%
9.9%	437	430	-7	-1.7%
11.1%	436	430	-6	-1.4%
12.3%	429	428	0	-0.1%
13.6%	426	425	-1	-0.1%
14.8%	426	422	-4	-0.9%
16.0%	425	419	-6	-1.4%
17.3%	422	417	-5	-1.2%
18.5%	421	416	-5	-1.1%
19.8%	420	413	-7	-1.6%
21.0%	419	412	-7	-1.6%
22.2%	419	412	-7	-1.8%
23.5%	417	411	-6	-1.4%
24.7%	415	411	-4	-1.0%
25.9%	415	410	-4	-1.0%
27.2%	413	408	-6	-1.4%
28.4%	413	408	-5	-1.3%
29.6%	412	406	-6	-1.6%
30.9%	412	404	-8	-1.8%
32.1%	411	404	-7	-1.8%
33.3%	409	403	-6	-1.3%
34.6%	406	403	-3	-0.7%
35.8%	405	401	-4	-0.9%
37.0%	404	400	-3	-0.8%
38.3%	403	399	-4	-0.9%
39.5%	402	398	-4	-1.0%
40.7%	401	397	-5	-1.1%
42.0%	401	397	-4	-1.1%
43.2%	401	396	-5	-1.3%
44.4%	400	396	-4	-1.0%
45.7%	397	394	-3	-0.7%
46.9%	396	393	-4	-0.9%
48.1%	395	391	-4	-1.0%
49.4%	394	391	-4	-0.9%
50.6%	394	390	-4	-1.1%
51.9%	394	390	-4	-1.0%
53.1%	393	389	-5	-1.2%
54.3%	392	389	-3	-0.8%
55.6%	389	387	-2	-0.5%
56.8%	387	387	1	0.2%
58.0%	385	387	2	0.5%
59.3%	384	385	1	0.3%
60.5%	384	383	-1	-0.2%
61.7%	381	383	1	0.3%
63.0%	376	381	4	1.2%
64.2%	376	380	4	1.1%
65.4%	376	378	2	0.6%
66.7%	375	377	2	0.5%
67.9%	375	377	1	0.4%
69.1%	374	376	2	0.5%
70.4%	373	373	0	0.0%
71.6%	373	373	0	-0.1%
72.8%	370	372	2	0.5%
74.1%	370	366	-4	-1.1%
75.3%	369	365	-4	-1.1%
76.5%	369	365	-4	-1.1%
77.8%	368	364	-4	-1.2%
79.0%	366	364	-2	-0.7%
80.2%	366	363	-2	-0.6%
81.5%	365	362	-4	-1.0%
82.7%	362	361	-1	-0.3%
84.0%	361	359	-2	-0.4%
85.2%	359	357	-2	-0.5%
86.4%	359	356	-3	-0.9%
87.7%	358	354	-4	-1.0%
88.9%	356	354	-2	-0.5%
90.1%	355	352	-3	-0.9%
91.4%	355	352	-3	-0.9%
92.6%	355	350	-4	-1.2%
93.8%	349	350	1	0.2%
95.1%	347	349	1	0.3%
96.3%	346	348	2	0.5%
97.5%	344	348	4	1.1%
98.8%	340	342	1	0.3%
100.0%	331	338	7	2.1%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative B End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	518	516	-2	-0.3%
1.2%	463	494	32	6.8%
2.5%	459	470	12	2.5%
3.7%	457	457	0	0.1%
4.9%	449	454	4	1.0%
6.2%	446	447	0	0.0%
7.4%	445	446	1	0.2%
8.6%	440	443	3	0.6%
9.9%	438	442	4	0.9%
11.1%	435	438	3	0.7%
12.3%	434	436	1	0.3%
13.6%	434	432	-2	-0.4%
14.8%	433	431	-3	-0.6%
16.0%	428	427	-1	-0.3%
17.3%	428	425	-3	-0.7%
18.5%	426	425	-1	-0.4%
19.8%	426	424	-1	-0.2%
21.0%	424	424	0	-0.1%
22.2%	424	423	-1	-0.2%
23.5%	424	422	-2	-0.5%
24.7%	424	421	-3	-0.6%
25.9%	421	420	-1	-0.3%
27.2%	421	419	-2	-0.4%
28.4%	421	419	-1	-0.3%
29.6%	420	419	-1	-0.3%
30.9%	420	419	-1	-0.3%
32.1%	420	418	-1	-0.3%
33.3%	419	418	-1	-0.2%
34.6%	419	418	-1	-0.2%
35.8%	417	414	-3	-0.8%
37.0%	416	413	-4	-0.9%
38.3%	416	412	-4	-0.9%
39.5%	415	412	-3	-0.8%
40.7%	414	411	-3	-0.6%
42.0%	412	410	-2	-0.6%
43.2%	410	409	-2	-0.4%
44.4%	410	408	-2	-0.4%
45.7%	410	408	-2	-0.5%
46.9%	408	407	-1	-0.4%
48.1%	407	407	0	0.0%
49.4%	406	406	-1	-0.2%
50.6%	405	405	0	0.0%
51.9%	404	405	1	0.3%
53.1%	404	405	1	0.3%
54.3%	404	405	1	0.3%
55.6%	404	405	1	0.3%
56.8%	404	404	1	0.2%
58.0%	403	403	-1	-0.2%
59.3%	400	401	1	0.1%
60.5%	400	401	1	0.2%
61.7%	399	399	0	-0.1%
63.0%	394	398	3	0.8%
64.2%	394	397	3	0.7%
65.4%	393	396	3	0.8%
66.7%	392	395	3	0.7%
67.9%	392	394	2	0.6%
69.1%	391	394	3	0.7%
70.4%	390	392	2	0.5%
71.6%	387	389	2	0.6%
72.8%	387	388	1	0.3%
74.1%	385	386	1	0.1%
75.3%	385	385	0	0.1%
76.5%	382	384	2	0.5%
77.8%	382	380	-1	-0.4%
79.0%	380	380	-1	-0.2%
80.2%	379	379	0	0.0%
81.5%	378	377	-1	-0.2%
82.7%	374	377	3	0.9%
84.0%	373	375	2	0.7%
85.2%	372	374	2	0.6%
86.4%	372	373	1	0.4%
87.7%	368	373	5	1.4%
88.9%	367	373	5	1.5%
90.1%	365	371	6	1.8%
91.4%	361	370	9	2.4%
92.6%	361	368	6	1.8%
93.8%	361	368	7	2.0%
95.1%	361	365	4	1.1%
96.3%	360	361	2	0.5%
97.5%	358	361	4	1.0%
98.8%	356	355	-1	-0.3%
100.0%	340	355	15	4.3%

Table SW-43-5a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	8,446	9,000	10,242	10,894	11,302	11,556	10,908	9,799	8,273	7,838	7,568	8,067
Alternative B	8,580	9,351	10,469	11,090	11,459	11,644	10,979	9,845	8,212	7,719	7,447	8,134
Difference	134	351	227	196	157	88	71	46	-61	-119	-120	67
Percent Difference[3]	1.6%	3.9%	2.2%	1.8%	1.4%	0.8%	0.7%	0.5%	-0.7%	-1.5%	-1.6%	0.8%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,966	9,060	10,280	11,121	11,636	12,075	11,420	10,383	9,296	8,678	8,386	8,914
Alternative B	9,405	9,666	10,783	11,278	11,739	12,135	11,477	10,434	9,311	8,671	8,302	8,968
Difference	439	606	503	157	104	60	57	51	15	-7	-84	54
Percent Difference	4.9%	6.7%	4.9%	1.4%	0.9%	0.5%	0.5%	0.5%	0.2%	-0.1%	-1.0%	0.6%
Above Normal (15%)												
No Action Alternative	8,356	8,725	10,094	10,680	11,107	11,509	10,734	9,404	8,014	7,151	6,996	7,768
Alternative B	8,749	9,504	10,653	11,098	11,391	11,710	10,950	9,663	8,094	7,395	7,158	8,170
Difference	393	780	558	419	284	201	215	258	80	243	163	402
Percent Difference	4.7%	8.9%	5.5%	3.9%	2.6%	1.7%	2.0%	2.7%	1.0%	3.4%	2.3%	5.2%
Below Normal (17%)												
No Action Alternative	8,523	9,658	10,732	10,906	11,239	11,472	10,751	9,448	7,523	7,170	6,998	7,755
Alternative B	8,777	9,907	10,950	11,156	11,435	11,580	10,851	9,558	7,693	7,376	7,248	8,004
Difference	254	249	218	250	196	108	100	110	170	206	249	248
Percent Difference	3.0%	2.6%	2.0%	2.3%	1.7%	0.9%	0.9%	1.2%	2.3%	2.9%	3.6%	3.2%
Dry (22%)												
No Action Alternative	8,086	8,952	10,139	11,007	11,359	11,414	10,746	9,561	7,461	7,377	7,282	7,640
Alternative B	7,588	8,861	10,043	11,127	11,455	11,435	10,731	9,466	7,125	6,765	6,649	7,275
Difference	-498	-91	-95	120	96	22	-16	-95	-335	-612	-632	-365
Percent Difference	-6.2%	-1.0%	-0.9%	1.1%	0.8%	0.2%	-0.1%	-1.0%	-4.5%	-8.3%	-8.7%	-4.8%
Critical (15%)												
No Action Alternative	7,858	8,446	9,893	10,436	10,762	10,788	10,395	9,691	8,406	8,180	7,460	7,535
Alternative B	7,881	8,598	9,684	10,543	10,956	10,902	10,449	9,651	8,182	7,815	7,315	7,728
Difference	23	152	-209	108	194	114	53	-40	-224	-364	-145	193
Percent Difference	0.3%	1.8%	-2.1%	1.0%	1.8%	1.1%	0.5%	-0.4%	-2.7%	-4.5%	-1.9%	2.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-43-5b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

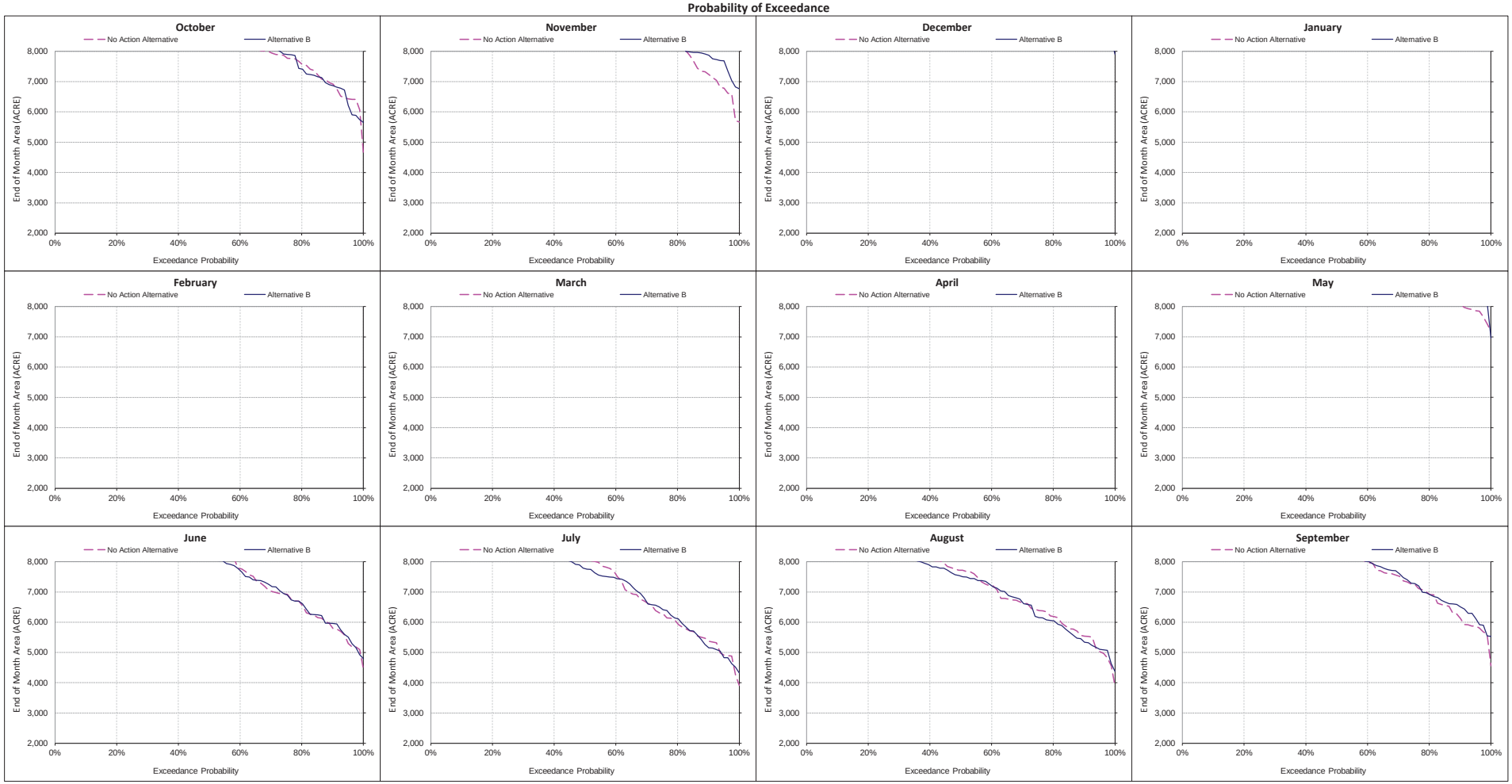

Table SW-43-5b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,351	12,303	-49	-0.4%
1.2%	10,811	11,710	899	8.3%
2.5%	10,695	10,779	84	0.8%
3.7%	10,581	10,557	-24	-0.2%
4.9%	10,347	10,429	82	0.8%
6.2%	10,051	10,417	367	3.6%
7.4%	10,022	10,086	64	0.6%
8.6%	9,830	10,060	230	2.3%
9.9%	9,759	9,844	85	0.9%
11.1%	9,692	9,838	146	1.5%
12.3%	9,530	9,577	47	0.5%
13.6%	9,468	9,565	98	1.0%
14.8%	9,410	9,559	150	1.6%
16.0%	9,407	9,509	103	1.1%
17.3%	9,390	9,490	101	1.1%
18.5%	9,377	9,480	103	1.1%
19.8%	9,347	9,401	54	0.6%
21.0%	9,310	9,391	81	0.9%
22.2%	9,245	9,390	146	1.6%
23.5%	9,234	9,379	145	1.6%
24.7%	9,208	9,372	164	1.8%
25.9%	9,191	9,355	164	1.8%
27.2%	9,156	9,326	171	1.9%
28.4%	9,152	9,308	155	1.7%
29.6%	9,132	9,299	167	1.8%
30.9%	9,091	9,185	94	1.0%
32.1%	8,991	9,171	180	2.0%
33.3%	8,917	9,105	188	2.1%
34.6%	8,884	9,064	179	2.0%
35.8%	8,856	9,056	200	2.3%
37.0%	8,849	9,054	206	2.3%
38.3%	8,786	9,042	256	2.9%
39.5%	8,753	9,012	259	3.0%
40.7%	8,700	8,973	273	3.1%
42.0%	8,685	8,943	259	3.0%
43.2%	8,654	8,926	273	3.1%
44.4%	8,644	8,903	259	3.0%
45.7%	8,619	8,890	271	3.1%
46.9%	8,572	8,835	264	3.1%
48.1%	8,511	8,797	286	3.4%
49.4%	8,460	8,758	298	3.5%
50.6%	8,416	8,645	229	2.7%
51.9%	8,410	8,632	223	2.7%
53.1%	8,359	8,615	256	3.1%
54.3%	8,347	8,605	257	3.1%
55.6%	8,345	8,582	236	2.8%
56.8%	8,331	8,562	231	2.8%
58.0%	8,322	8,504	181	2.2%
59.3%	8,236	8,469	233	2.8%
60.5%	8,193	8,463	270	3.3%
61.7%	8,175	8,435	260	3.2%
63.0%	8,145	8,409	264	3.2%
64.2%	8,094	8,339	245	3.0%
65.4%	8,072	8,333	261	3.2%
66.7%	8,025	8,290	266	3.3%
67.9%	8,014	8,225	210	2.6%
69.1%	7,996	8,210	214	2.7%
70.4%	7,941	8,121	180	2.3%
71.6%	7,901	8,069	169	2.1%
72.8%	7,887	8,005	118	1.5%
74.1%	7,876	7,916	41	0.5%
75.3%	7,772	7,896	123	1.6%
76.5%	7,764	7,890	126	1.6%
77.8%	7,752	7,864	112	1.5%
79.0%	7,671	7,436	-235	-3.1%
80.2%	7,557	7,415	-142	-1.9%
81.5%	7,535	7,255	-280	-3.7%
82.7%	7,411	7,234	-177	-2.4%
84.0%	7,365	7,207	-158	-2.1%
85.2%	7,222	7,163	-59	-0.8%
86.4%	7,088	7,138	50	0.7%
87.7%	7,066	6,969	-97	-1.4%
88.9%	6,969	6,904	-65	-0.9%
90.1%	6,913	6,866	-47	-0.7%
91.4%	6,756	6,817	62	0.9%
92.6%	6,526	6,782	256	3.9%
93.8%	6,463	6,727	264	4.1%
95.1%	6,429	6,210	-219	-3.4%
96.3%	6,415	5,902	-513	-8.0%
97.5%	6,410	5,887	-523	-8.2%
98.8%	6,073	5,745	-328	-5.4%
100.0%	4,642	5,656	1,014	21.9%

November				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	11,527	11,392	-135	-1.2%
2.5%	11,163	11,177	14	0.1%
3.7%	10,750	10,764	14	0.1%
4.9%	10,695	10,740	45	0.4%
6.2%	10,689	10,660	-29	-0.3%
7.4%	10,572	10,626	54	0.5%
8.6%	10,506	10,600	94	0.9%
9.9%	10,501	10,484	-17	-0.2%
11.1%	10,425	10,386	-39	-0.4%
12.3%	10,410	10,357	-53	-0.5%
13.6%	10,307	10,246	-61	-0.6%
14.8%	10,269	10,235	-34	-0.3%
16.0%	10,194	10,234	39	0.4%
17.3%	10,010	10,227	218	2.2%
18.5%	9,963	10,223	260	2.6%
19.8%	9,871	10,222	351	3.6%
21.0%	9,863	10,217	354	3.6%
22.2%	9,831	10,140	310	3.1%
23.5%	9,783	10,123	340	3.5%
24.7%	9,776	10,100	324	3.3%
25.9%	9,734	10,085	351	3.6%
27.2%	9,721	9,985	264	2.7%
28.4%	9,699	9,983	284	2.9%
29.6%	9,686	9,969	283	2.9%
30.9%	9,630	9,954	324	3.4%
32.1%	9,624	9,944	320	3.3%
33.3%	9,572	9,918	345	3.6%
34.6%	9,543	9,914	371	3.9%
35.8%	9,541	9,908	367	3.8%
37.0%	9,534	9,889	355	3.7%
38.3%	9,503	9,849	345	3.6%
39.5%	9,491	9,820	329	3.5%
40.7%	9,470	9,800	331	3.5%
42.0%	9,307	9,800	493	5.3%
43.2%	9,304	9,794	489	5.3%
44.4%	9,266	9,775	509	5.5%
45.7%	9,260	9,770	510	5.5%
46.9%	9,237	9,679	442	4.8%
48.1%	9,130	9,637	507	5.6%
49.4%	9,118	9,590	473	5.2%
50.6%	9,050	9,564	514	5.7%
51.9%	9,007	9,562	555	6.2%
53.1%	8,988	9,532	544	6.1%
54.3%	8,987	9,341	353	3.9%
55.6%	8,884	9,309	424	4.8%
56.8%	8,871	9,266	394	4.4%
58.0%	8,796	9,255	459	5.2%
59.3%	8,786	9,218	433	4.9%
60.5%	8,747	9,169	422	4.8%
61.7%	8,732	9,161	429	4.9%
63.0%	8,696	9,141	445	5.1%
64.2%	8,680	9,116	435	5.0%
65.4%	8,612	9,109	497	5.8%
66.7%	8,522	9,108	586	6.9%
67.9%	8,516	8,877	361	4.2%
69.1%	8,494	8,876	382	4.5%
70.4%	8,467	8,873	406	4.8%
71.6%	8,455	8,869	414	4.9%
72.8%	8,453	8,792	339	4.0%
74.1%	8,437	8,783	346	4.1%
75.3%	8,370	8,735	365	4.4%
76.5%	8,311	8,598	287	3.5%
77.8%	8,210	8,431	221	2.7%
79.0%	8,205	8,289	83	1.0%
80.2%	8,140	8,195	55	0.7%
81.5%	8,103	8,168	65	0.8%
82.7%	8,012	7,995	-18	-0.2%
84.0%	7,867	7,979	112	1.4%
85.2%	7,667	7,966	300	3.9%
86.4%	7,444	7,960	516	6.9%
87.7%	7,341	7,947	606	8.3%
88.9%	7,329	7,915	586	8.0%
90.1%	7,235	7,873	638	8.8%
91.4%	7,139	7,758	619	8.7%
92.6%	7,039	7,731	692	9.8%
93.8%	6,817	7,696	879	12.9%
95.1%	6,779	7,689	910	13.4%
96.3%	6,618	7,353	735	11.1%
97.5%	6,605	7,039	434	6.6%
98.8%	5,711	6,828	1,117	19.6%
100.0%	5,669	6,766	1,097	19.4%

December				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,361	12,239	-122	-1.0%
2.5%	11,935	11,874	-61	-0.5%
3.7%	11,889	11,794	-95	-0.8%
4.9%	11,743	11,676	-66	-0.6%
6.2%	11,714	11,635	-79	-0.7%
7.4%	11,510	11,602	92	0.8%
8.6%	11,476	11,593	117	1.0%
9.9%	11,467	11,571	103	0.9%
11.1%	11,458	11,569	112	1.0%
12.3%	11,419	11,569	150	1.3%
13.6%	11,399	11,494	95	0.8%
14.8%	11,368	11,474	106	0.9%
16.0%	11,364	11,400	35	0.3%
17.3%	11,251	11,246	-5	0.0%
18.5%	11,224	11,231	7	0.1%
19.8%	11,190	11,218	28	0.2%
21.0%	11,084	11,210	125	1.1%
22.2%	10,983	11,114	131	1.2%
23.5%	10,955	11,050	95	0.9%
24.7%	10,951	11,046	94	0.9%
25.9%	10,872	11,041	169	1.6%
27.2%	10,849	11,005	156	1.4%
28.4%	10,813	10,983	170	1.6%
29.6%	10,780	10,978	198	1.8%
30.9%	10,737	10,950	213	2.0%
32.1%	10,731	10,876	145	1.4%
33.3%	10,675	10,867	192	1.8%
34.6%	10,644	10,863	219	2.1%
35.8%	10,638	10,831	192	1.8%
37.0%	10,633	10,821	188	1.8%
38.3%	10,623	10,808	185	1.7%
39.5%	10,575	10,807	233	2.2%
40.7%	10,474	10,797	323	3.1%
42.0%	10,451	10,796	345	3.3%
43.2%	10,440	10,794	354	3.4%
44.4%	10,421	10,789	368	3.5%
45.7%	10,350	10,750	399	3.9%
46.9%	10,328	10,743	416	4.0%
48.1%	10,300	10,742	442	4.3%
49.4%	10,257	10,737	479	4.7%
50.6%	10,239	10,722	483	4.7%
51.9%	10,231	10,698	467	4.6%
53.1%	10,226	10,536	311	3.0%
54.3%	10,190	10,500	310	3.0%
55.6%	10,147	10,490	343	3.4%
56.8%	10,116	10,467	351	3.5%
58.0%	10,082	10,455	373	3.7%
59.3%	10,078	10,451	373	3.7%
60.5%	10,070	10,437	367	3.6%
61.7%	10,062	10,436	374	3.7%
63.0%	10,043	10,403	360	3.6%
64.2%	10,017	10,375	359	3.6%
65.4%	9,976	10,335	360	3.6%
66.7%	9,961	10,314	353	3.5%
67.9%	9,954	10,298	344	3.5%
69.1%	9,935	10,285	350	3.5%
70.4%	9,911	10,273	362	3.7%
71.6%	9,808	10,266	458	4.7%
72.8%	9,774	10,100	326	3.3%
74.1%	9,603	10,057	454	4.7%
75.3%	9,523	9,926	403	4.2%
76.5%	9,431	9,657	226	2.4%
77.8%	9,400	9,656	257	2.7%
79.0%	9,387	9,538	151	1.6%
80.2%	9,371	9,483	112	1.2%
81.5%	9,307	9,464	157	1.7%
82.7%	9,203	9,437	234	2.5%
84.0%	9,147	9,431	284	3.1%
85.2%	9,006	9,385	379	4.2%
86.4%	8,956	9,302	346	3.9%
87.7%	8,934	9,129	194	2.2%
88.9%	8,895	9,051	156	1.8%
90.1%	8,789	9,033	244	2.8%
91.4%	8,706	8,977	271	3.1%
92.6%	8,634	8,930	296	3.4%
93.8%	8,558	8,724	166	1.9%
95.1%	8,486	8,680	193	2.3%
96.3%	8,249	8,651	402	4.9%
97.5%	8,196	8,504	308	3.8%
98.8%	8,123	8,421	299	3.7%
100.0%	8,120	7,907	-212	-2.6%

January				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,694	-2	0.0%
2.5%	12,696	12,594	-102	-0.8%
3.7%	12,648	12,582	-66	-0.5%
4.9%	12,508	12,367	-142	-1.1%
6.2%	12,332	12,281	-50	-0.4%
7.4%	12,293	12,165	-128	-1.0%
8.6%	12,155	12,151	-4	0.0%
9.9%	12,112	12,111	-1	0.0%
11.1%	12,000	12,069	69	0.6%
12.3%	11,980	12,031	52	0.4%
13.6%	11,979	12,014	34	0.3%
14.8%	11,969	11,964	-6	0.0%
16.0%	11,940	11,939	-1	0.0%
17.3%	11,929	11,880	-49	-0.4%
18.5%	11,921	11,840	-81	-0.7%
19.8%	11,898	11,839	-59	-0.5%
21.0%	11,885	11,801	-84	-0.7%
22.2%	11,786	11,724	-62	-0.5%
23.5%	11,779	11,686	-93	-0.8%
24.7%	11,696	11,679	-17	-0.1%
25.9%	11,579	11,674	95	0.8%
27.2%	11,524	11,661	137	1.2%
28.4%	11,518	11,656	138	1.2%
29.6%	11,500	11,627	128	1.1%
30.9%	11,499	11,592	93	0.8%
32.1%	11,441	11,533	92	0.8%
33.3%	11,438	11,489	50	0.4%
34.6%	11,419	11,476	57	0.5%
35.8%	11,348	11,450	103	0.9%
37.0%	11,335	11,428	93	0.8%
38.3%	11,334	11,373	39	0.3%
39.5%	11,274	11,351	77	0.7%
40.7%	11,235	11,351	115	1.0%
42.0%	11,164	11,347	183	1.6%
43.2%	11,053	11,313	260	2.3%
44.4%	11,046	11,291	245	2.2%
45.7%	11,015	11,282	267	2.4%
46.9%	10,988	11,238	250	2.3%
48.1%	10,959	11,233	273	2.5%
49.4%	10,958	11,212	254	2.3%
50.6%	10,886	11,193	307	2.8%
51.9%	10,879	11,180	302	2.8%
53.1%	10,825	11,166	341	3.1%
54.3%	10,792	11,151	359	3.3%
55.6%	10,748	11,130	382	3.6%
56.8%	10,715	11,123	408	3.8%
58.0%	10,670	11,077	407	3.8%
59.3%	10,652	11,070	418	3.9%
60.5%	10,651	11,048	396	3.7%
61.7%	10,651	11,035	383	3.6%
63.0%	10,633	10,993	360	3.4%
64.2%	10,547	10,976	429	4.1%
65.4%	10,526	10,975	450	4.3%
66.7%	10,455	10,943	489	4.7%
67.9%	10,421	10,840	419	4.0%
69.1%	10,323	10,806	483	4.7%
70.4%	10,292	10,788	495	4.8%
71.6%	10,265	10,735	469	4.6%
72.8%	10,252	10,688	436	4.3%
74.1%	10,232	10,644	412	4.0%
75.3%	10,185	10,550	365	3.6%
76.5%	10,185	10,546	362	3.6%
77.8%	10,124	10,489	366	3.6%
79.0%	10,084	10,374	290	2.9%
80.2%	9,972	10,324	353	3.5%
81.5%	9,870	10,222	352	3.6%
82.7%	9,856	10,220	364	3.7%
84.0%	9,850	10,100	250	2.5%
85.2%	9,831	9,990	159	1.6%
86.4%	9,831	9,959	128	1.3%
87.7%	9,703	9,848	145	1.5%
88.9%	9,640	9,836	196	2.0%
90.1%	9,560	9,690	130	1.4%
91.4%	9,515	9,640	124	1.3%
92.6%	9,357	9,594	238	2.5%
93.8%	9,238	9,517	280	3.0%
95.1%	9,218	9,484	266	2.9%
96.3%	8,927	9,414	487	5.5%
97.5%	8,848	9,329	481	5.4%
98.8%	8,826	9,301	475	5.4%
100.0%	8,777	8,734	-42	-0.5%

Table SW-43-5b

San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,683	-13	-0.1%
9.9%	12,696	12,648	-48	-0.4%
11.1%	12,509	12,527	17	0.1%
12.3%	12,444	12,495	51	0.4%
13.6%	12,443	12,458	15	0.1%
14.8%	12,412	12,361	-51	-0.4%
16.0%	12,409	12,335	-74	-0.6%
17.3%	12,399	12,334	-65	-0.5%
18.5%	12,373	12,326	-47	-0.4%
19.8%	12,365	12,256	-109	-0.9%
21.0%	12,364	12,159	-205	-1.7%
22.2%	12,261	12,146	-115	-0.9%
23.5%	12,195	12,111	-84	-0.7%
24.7%	12,155	12,104	-50	-0.4%
25.9%	12,122	12,101	-22	-0.2%
27.2%	12,094	12,078	-16	-0.1%
28.4%	12,031	12,015	-16	-0.1%
29.6%	12,018	11,951	-68	-0.6%
30.9%	11,984	11,946	-39	-0.3%
32.1%	11,902	11,891	-12	-0.1%
33.3%	11,846	11,841	-5	0.0%
34.6%	11,825	11,812	-13	-0.1%
35.8%	11,824	11,801	-23	-0.2%
37.0%	11,803	11,774	-29	-0.2%
38.3%	11,730	11,754	24	0.2%
39.5%	11,615	11,707	92	0.8%
40.7%	11,528	11,698	170	1.5%
42.0%	11,512	11,681	169	1.5%
43.2%	11,509	11,643	134	1.2%
44.4%	11,485	11,627	142	1.2%
45.7%	11,420	11,625	205	1.8%
46.9%	11,400	11,618	218	1.9%
48.1%	11,353	11,615	262	2.3%
49.4%	11,302	11,612	310	2.7%
50.6%	11,298	11,574	276	2.4%
51.9%	11,274	11,489	214	1.9%
53.1%	11,227	11,434	207	1.8%
54.3%	11,225	11,420	195	1.7%
55.6%	11,166	11,415	250	2.2%
56.8%	11,110	11,398	288	2.6%
58.0%	11,109	11,373	264	2.4%
59.3%	11,045	11,361	316	2.9%
60.5%	11,021	11,253	232	2.1%
61.7%	10,994	11,245	250	2.3%
63.0%	10,915	11,230	315	2.9%
64.2%	10,912	11,212	301	2.8%
65.4%	10,840	11,205	365	3.4%
66.7%	10,819	11,158	339	3.1%
67.9%	10,816	11,158	342	3.2%
69.1%	10,755	11,141	386	3.6%
70.4%	10,704	11,133	429	4.0%
71.6%	10,689	11,054	365	3.4%
72.8%	10,671	11,043	372	3.5%
74.1%	10,641	10,993	352	3.3%
75.3%	10,585	10,903	319	3.0%
76.5%	10,584	10,828	245	2.3%
77.8%	10,559	10,821	262	2.5%
79.0%	10,469	10,799	331	3.2%
80.2%	10,453	10,748	295	2.8%
81.5%	10,341	10,693	352	3.4%
82.7%	10,316	10,663	347	3.4%
84.0%	10,275	10,570	295	2.9%
85.2%	10,184	10,551	367	3.6%
86.4%	10,180	10,419	238	2.3%
87.7%	10,063	10,384	321	3.2%
88.9%	10,018	10,374	357	3.6%
90.1%	10,017	10,269	253	2.5%
91.4%	10,012	10,223	211	2.1%
92.6%	9,933	10,206	273	2.7%
93.8%	9,858	10,028	170	1.7%
95.1%	9,606	9,976	370	3.8%
96.3%	9,601	9,962	361	3.8%
97.5%	9,528	9,870	343	3.6%
98.8%	9,079	9,241	162	1.8%
100.0%	8,972	9,234	262	2.9%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,574	12,661	87	0.7%
16.0%	12,554	12,578	24	0.2%
17.3%	12,523	12,543	20	0.2%
18.5%	12,515	12,508	-7	-0.1%
19.8%	12,462	12,482	20	0.2%
21.0%	12,355	12,439	84	0.7%
22.2%	12,331	12,437	107	0.9%
23.5%	12,326	12,432	106	0.9%
24.7%	12,315	12,406	92	0.7%
25.9%	12,261	12,393	133	1.1%
27.2%	12,226	12,350	124	1.0%
28.4%	12,203	12,340	137	1.1%
29.6%	12,188	12,269	80	0.7%
30.9%	12,188	12,255	67	0.6%
32.1%	12,161	12,200	39	0.3%
33.3%	12,151	12,147	-4	0.0%
34.6%	12,143	12,111	-32	-0.3%
35.8%	12,132	12,106	-26	-0.2%
37.0%	12,113	12,094	-19	-0.2%
38.3%	12,103	12,008	-95	-0.8%
39.5%	12,102	11,976	-126	-1.0%
40.7%	12,079	11,947	-132	-1.1%
42.0%	12,056	11,909	-147	-1.2%
43.2%	11,940	11,873	-67	-0.6%
44.4%	11,927	11,847	-80	-0.7%
45.7%	11,877	11,808	-69	-0.6%
46.9%	11,756	11,771	15	0.1%
48.1%	11,693	11,754	61	0.5%
49.4%	11,674	11,741	66	0.6%
50.6%	11,665	11,648	-18	-0.2%
51.9%	11,649	11,635	-14	-0.1%
53.1%	11,637	11,615	-22	-0.2%
54.3%	11,611	11,543	-69	-0.6%
55.6%	11,586	11,535	-51	-0.4%
56.8%	11,571	11,459	-112	-1.0%
58.0%	11,529	11,438	-92	-0.8%
59.3%	11,463	11,431	-32	-0.3%
60.5%	11,369	11,415	46	0.4%
61.7%	11,327	11,400	73	0.6%
63.0%	11,234	11,384	150	1.3%
64.2%	11,156	11,361	205	1.8%
65.4%	11,152	11,344	192	1.7%
66.7%	11,127	11,215	88	0.8%
67.9%	11,114	11,198	84	0.8%
69.1%	11,064	11,192	128	1.2%
70.4%	11,056	11,183	126	1.1%
71.6%	10,990	11,178	188	1.7%
72.8%	10,961	11,119	158	1.4%
74.1%	10,952	11,115	163	1.5%
75.3%	10,901	11,110	209	1.9%
76.5%	10,899	11,079	181	1.7%
77.8%	10,852	11,058	205	1.9%
79.0%	10,777	11,049	272	2.5%
80.2%	10,754	11,046	291	2.7%
81.5%	10,745	11,035	290	2.7%
82.7%	10,734	11,001	267	2.5%
84.0%	10,732	10,965	232	2.2%
85.2%	10,622	10,945	323	3.0%
86.4%	10,524	10,711	187	1.8%
87.7%	10,487	10,700	213	2.0%
88.9%	10,314	10,640	326	3.2%
90.1%	10,297	10,551	255	2.5%
91.4%	10,134	10,496	362	3.6%
92.6%	10,052	10,470	418	4.2%
93.8%	9,988	10,432	444	4.4%
95.1%	9,872	9,966	94	1.0%
96.3%	9,699	9,943	245	2.5%
97.5%	9,579	9,604	25	0.3%
98.8%	9,385	9,594	209	2.2%
100.0%	8,719	9,253	534	6.1%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,397	12,399	2	0.0%
3.7%	12,234	12,210	-24	-0.2%
4.9%	12,199	12,188	-11	-0.1%
6.2%	12,180	12,154	-26	-0.2%
7.4%	12,167	12,130	-37	-0.3%
8.6%	12,144	12,121	-23	-0.2%
9.9%	12,013	11,985	-29	-0.2%
11.1%	11,986	11,982	-4	0.0%
12.3%	11,981	11,976	-5	0.0%
13.6%	11,964	11,965	1	0.0%
14.8%	11,952	11,957	5	0.0%
16.0%	11,942	11,954	12	0.1%
17.3%	11,911	11,927	16	0.1%
18.5%	11,878	11,923	45	0.4%
19.8%	11,861	11,896	35	0.3%
21.0%	11,780	11,893	114	1.0%
22.2%	11,773	11,838	65	0.5%
23.5%	11,719	11,830	111	0.9%
24.7%	11,710	11,819	109	0.9%
25.9%	11,701	11,817	116	1.0%
27.2%	11,691	11,803	111	1.0%
28.4%	11,677	11,784	107	0.9%
29.6%	11,635	11,665	30	0.3%
30.9%	11,602	11,587	-16	-0.1%
32.1%	11,560	11,564	4	0.0%
33.3%	11,538	11,494	-44	-0.4%
34.6%	11,446	11,452	5	0.0%
35.8%	11,382	11,409	28	0.2%
37.0%	11,381	11,343	-38	-0.3%
38.3%	11,366	11,330	-36	-0.3%
39.5%	11,363	11,290	-73	-0.6%
40.7%	11,352	11,257	-95	-0.8%
42.0%	11,329	11,230	-99	-0.9%
43.2%	11,266	11,230	-36	-0.3%
44.4%	11,258	11,129	-129	-1.1%
45.7%	11,216	11,065	-152	-1.4%
46.9%	11,162	10,985	-177	-1.6%
48.1%	11,107	10,939	-169	-1.5%
49.4%	11,094	10,922	-172	-1.5%
50.6%	10,988	10,910	-77	-0.7%
51.9%	10,958	10,859	-99	-0.9%
53.1%	10,881	10,836	-45	-0.4%
54.3%	10,862	10,816	-46	-0.4%
55.6%	10,820	10,783	-37	-0.3%
56.8%	10,798	10,730	-68	-0.6%
58.0%	10,778	10,703	-75	-0.7%
59.3%	10,774	10,680	-95	-0.9%
60.5%	10,728	10,641	-87	-0.8%
61.7%	10,600	10,628	28	0.3%
63.0%	10,557	10,596	39	0.4%
64.2%	10,550	10,591	40	0.4%
65.4%	10,462	10,586	124	1.2%
66.7%	10,333	10,545	212	2.1%
67.9%	10,248	10,523	276	2.7%
69.1%	10,214	10,505	291	2.8%
70.4%	10,202	10,485	283	2.8%
71.6%	10,192	10,475	283	2.8%
72.8%	10,158	10,421	263	2.6%
74.1%	10,143	10,407	264	2.6%
75.3%	10,119	10,380	261	2.6%
76.5%	10,107	10,353	245	2.4%
77.8%	10,104	10,329	225	2.2%
79.0%	10,098	10,299	201	2.0%
80.2%	10,091	10,246	155	1.5%
81.5%	10,090	10,239	149	1.5%
82.7%	10,051	10,190	139	1.4%
84.0%	9,943	10,159	216	2.2%
85.2%	9,809	10,065	256	2.6%
86.4%	9,802	9,923	121	1.2%
87.7%	9,771	9,880	108	1.1%
88.9%	9,745	9,868	123	1.3%
90.1%	9,598	9,766	169	1.8%
91.4%	9,489	9,729	240	2.5%
92.6%	9,374	9,728	355	3.8%
93.8%	9,201	9,699	498	5.4%
95.1%	9,197	9,500	303	3.3%
96.3%	9,161	9,372	211	2.3%
97.5%	8,960	9,259	299	3.3%
98.8%	8,816	8,869	53	0.6%
100.0%	8,342	8,854	512	6.1%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative B End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,691	-5	0.0%
1.2%	12,452	12,461	9	0.1%
2.5%	12,239	12,020	-219	-1.8%
3.7%	11,933	11,923	-10	-0.1%
4.9%	11,592	11,627	35	0.3%
6.2%	11,450	11,472	23	0.2%
7.4%	11,421	11,389	-32	-0.3%
8.6%	11,363	11,350	-13	-0.1%
9.9%	11,327	11,097	-230	-2.0%
11.1%	11,155	11,071	-84	-0.8%
12.3%	11,143	11,002	-141	-1.3%
13.6%	11,102	10,998	-103	-0.9%
14.8%	11,095	10,945	-150	-1.3%
16.0%	10,954	10,944	-9	-0.1%
17.3%	10,943	10,924	-19	-0.2%
18.5%	10,784	10,795	11	0.1%
19.8%	10,721	10,783	61	0.6%
21.0%	10,698	10,723	24	0.2%
22.2%	10,677	10,711	34	0.3%
23.5%	10,667	10,708	40	0.4%
24.7%	10,649	10,656	7	0.1%
25.9%	10,649	10,644	-5	0.0%
27.2%	10,637	10,632	-5	0.0%
28.4%	10,616	10,591	-25	-0.2%
29.6%	10,614	10,581	-33	-0.3%
30.9%	10,485	10,537	51	0.5%
32.1%	10,422	10,515	93	0.9%
33.3%	10,367	10,511	143	1.4%
34.6%	10,343	10,456	113	1.1%
35.8%	10,304	10,198	-106	-1.0%
37.0%	10,292	10,115	-177	-1.7%
38.3%	10,214	10,067	-148	-1.4%
39.5%	10,170	10,037	-133	-1.3%
40.7%	10,164	10,002	-162	-1.6%
42.0%	10,154	9,997	-157	-1.5%
43.2%	10,112	9,990	-122	-1.2%
44.4%	10,098	9,984	-114	-1.1%
45.7%	10,088	9,965	-124	-1.2%
46.9%	10,077	9,960	-117	-1.2%
48.1%	10,026	9,872	-155	-1.5%
49.4%	10,017	9,855	-162	-1.6%
50.6%	9,957	9,849	-108	-1.1%
51.9%	9,938	9,739	-198	-2.0%
53.1%	9,875	9,651	-225	-2.3%
54.3%	9,786	9,610	-176	-1.8%
55.6%	9,586	9,580	-5	-0.1%
56.8%	9,583	9,547	-36	-0.4%
58.0%	9,548	9,500	-48	-0.5%
59.3%	9,543	9,481	-62	-0.7%
60.5%	9,344	9,441	97	1.0%
61.7%	9,331	9,383	51	0.6%
63.0%	9,301	9,363	62	0.7%
64.2%	9,277	9,328	50	0.5%
65.4%	9,246	9,294	48	0.5%
66.7%	9,223	9,272	49	0.5%
67.9%	9,113	9,226	113	1.2%
69.1%	9,113	9,220	107	1.2%
70.4%	8,904	9,205	301	3.4%
71.6%	8,877	9,126	249	2.8%
72.8%	8,874	9,088	214	2.4%
74.1%	8,873	9,037	163	1.8%
75.3%	8,808	8,997	188	2.1%
76.5%	8,805	8,985	180	2.0%
77.8%	8,794	8,925	131	1.5%
79.0%	8,791	8,921	130	1.5%
80.2%	8,726	8,897	171	2.0%
81.5%	8,645	8,802	157	1.8%
82.7%	8,593	8,767	174	2.0%
84.0%	8,590	8,726	136	1.6%
85.2%	8,515	8,709	194	2.3%
86.4%	8,450	8,489	39	0.5%
87.7%	8,365	8,482	116	1.4%
88.9%	8,303	8,459	155	1.9%
90.1%	8,079	8,446	367	4.5%
91.4%	7,972	8,380	407	5.1%
92.6%	7,930	8,364	433	5.5%
93.8%	7,903	8,341	438	5.5%
95.1%	7,865	8,290	425	5.4%
96.3%	7,850	8,277	427	5.4%
97.5%	7,659	8,197	537	7.0%
98.8%	7,439	8,112	673	9.1%
100.0%	7,189	6,961	-227	-3.2%

Table SW-43-5b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,485	12,482	-3	0.0%
1.2%	12,207	12,218	11	0.1%
2.5%	11,934	11,715	-219	-1.8%
3.7%	11,229	11,199	-30	-0.3%
4.9%	10,857	10,742	-115	-1.1%
6.2%	10,756	10,623	-133	-1.2%
7.4%	10,631	10,612	-19	-0.2%
8.6%	10,554	10,504	-50	-0.5%
9.9%	10,505	10,478	-27	-0.3%
11.1%	10,465	10,373	-92	-0.9%
12.3%	10,461	10,321	-140	-1.3%
13.6%	10,367	10,298	-69	-0.7%
14.8%	10,285	10,111	-174	-1.7%
16.0%	10,194	10,097	-97	-1.0%
17.3%	9,888	10,075	187	1.9%
18.5%	9,809	9,904	96	1.0%
19.8%	9,732	9,782	50	0.5%
21.0%	9,644	9,782	138	1.4%
22.2%	9,626	9,575	-52	-0.5%
23.5%	9,615	9,543	-72	-0.8%
24.7%	9,607	9,487	-121	-1.3%
25.9%	9,590	9,458	-132	-1.4%
27.2%	9,574	9,366	-209	-2.2%
28.4%	9,361	9,134	-227	-2.4%
29.6%	9,325	9,104	-221	-2.4%
30.9%	9,162	9,085	-76	-0.8%
32.1%	9,117	8,954	-163	-1.8%
33.3%	9,062	8,951	-111	-1.2%
34.6%	9,040	8,932	-107	-1.2%
35.8%	9,027	8,824	-204	-2.3%
37.0%	9,015	8,823	-192	-2.1%
38.3%	8,961	8,782	-179	-2.0%
39.5%	8,918	8,763	-155	-1.7%
40.7%	8,912	8,745	-166	-1.9%
42.0%	8,902	8,671	-231	-2.6%
43.2%	8,894	8,620	-274	-3.1%
44.4%	8,682	8,428	-254	-2.9%
45.7%	8,662	8,413	-249	-2.9%
46.9%	8,609	8,394	-215	-2.5%
48.1%	8,570	8,300	-270	-3.2%
49.4%	8,539	8,260	-279	-3.3%
50.6%	8,342	8,177	-165	-2.0%
51.9%	8,318	8,036	-282	-3.4%
53.1%	8,302	8,028	-274	-3.3%
54.3%	8,292	8,027	-265	-3.2%
55.6%	8,213	7,942	-271	-3.3%
56.8%	8,156	7,911	-244	-3.0%
58.0%	8,114	7,867	-248	-3.1%
59.3%	7,786	7,777	-9	-0.1%
60.5%	7,764	7,662	-101	-1.3%
61.7%	7,676	7,509	-166	-2.2%
63.0%	7,567	7,491	-76	-1.0%
64.2%	7,520	7,399	-121	-1.6%
65.4%	7,341	7,381	40	0.5%
66.7%	7,288	7,375	87	1.2%
67.9%	7,193	7,326	133	1.9%
69.1%	7,061	7,256	195	2.8%
70.4%	7,017	7,177	160	2.3%
71.6%	6,978	7,169	190	2.7%
72.8%	6,944	7,042	98	1.4%
74.1%	6,942	6,945	2	0.0%
75.3%	6,926	6,900	-26	-0.4%
76.5%	6,764	6,737	-27	-0.4%
77.8%	6,703	6,699	-4	-0.1%
79.0%	6,697	6,697	0	0.0%
80.2%	6,548	6,608	60	0.9%
81.5%	6,314	6,426	113	1.8%
82.7%	6,268	6,264	-4	-0.1%
84.0%	6,236	6,253	17	0.3%
85.2%	6,146	6,242	96	1.6%
86.4%	6,135	6,220	85	1.4%
87.7%	6,015	5,969	-46	-0.8%
88.9%	5,964	5,965	1	0.0%
90.1%	5,791	5,963	171	3.0%
91.4%	5,772	5,946	174	3.0%
92.6%	5,698	5,746	48	0.8%
93.8%	5,578	5,598	19	0.3%
95.1%	5,296	5,509	214	4.0%
96.3%	5,184	5,291	107	2.1%
97.5%	5,184	5,166	-17	-0.3%
98.8%	5,096	4,927	-169	-3.3%
100.0%	4,452	4,794	342	7.7%

July				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,165	12,162	-3	0.0%
1.2%	11,880	11,898	18	0.2%
2.5%	11,311	11,051	-260	-2.3%
3.7%	10,558	10,285	-273	-2.6%
4.9%	10,287	10,186	-101	-1.0%
6.2%	10,228	10,178	-50	-0.5%
7.4%	10,197	10,159	-38	-0.4%
8.6%	10,149	10,101	-48	-0.5%
9.9%	10,141	9,988	-154	-1.5%
11.1%	10,134	9,964	-171	-1.7%
12.3%	10,033	9,871	-162	-1.6%
13.6%	9,903	9,702	-201	-2.0%
14.8%	9,622	9,482	-140	-1.5%
16.0%	9,492	9,455	-37	-0.4%
17.3%	9,394	9,333	-61	-0.6%
18.5%	9,392	9,327	-65	-0.7%
19.8%	9,355	9,137	-217	-2.3%
21.0%	9,309	8,980	-329	-3.5%
22.2%	9,297	8,906	-391	-4.2%
23.5%	9,267	8,862	-405	-4.4%
24.7%	9,157	8,832	-325	-3.6%
25.9%	9,156	8,794	-362	-4.0%
27.2%	8,947	8,777	-170	-1.9%
28.4%	8,904	8,762	-142	-1.6%
29.6%	8,861	8,670	-190	-2.1%
30.9%	8,815	8,619	-197	-2.2%
32.1%	8,802	8,570	-232	-2.6%
33.3%	8,799	8,567	-232	-2.6%
34.6%	8,792	8,489	-303	-3.4%
35.8%	8,655	8,439	-217	-2.5%
37.0%	8,637	8,300	-337	-3.9%
38.3%	8,627	8,235	-392	-4.5%
39.5%	8,616	8,205	-411	-4.8%
40.7%	8,554	8,140	-414	-4.8%
42.0%	8,550	8,074	-476	-5.6%
43.2%	8,540	8,062	-477	-5.6%
44.4%	8,360	8,040	-321	-3.8%
45.7%	8,280	7,997	-283	-3.4%
46.9%	8,234	7,909	-325	-3.9%
48.1%	8,048	7,899	-149	-1.9%
49.4%	8,027	7,788	-239	-3.0%
50.6%	8,026	7,755	-270	-3.4%
51.9%	8,025	7,748	-277	-3.4%
53.1%	8,010	7,639	-371	-4.6%
54.3%	7,977	7,557	-420	-5.3%
55.6%	7,855	7,526	-330	-4.2%
56.8%	7,818	7,507	-311	-4.0%
58.0%	7,776	7,496	-280	-3.6%
59.3%	7,694	7,489	-205	-2.7%
60.5%	7,499	7,439	-60	-0.8%
61.7%	7,377	7,425	48	0.7%
63.0%	7,070	7,369	300	4.2%
64.2%	6,994	7,296	302	4.3%
65.4%	6,931	7,157	226	3.3%
66.7%	6,917	7,040	123	1.8%
67.9%	6,759	6,956	196	2.9%
69.1%	6,702	6,810	107	1.6%
70.4%	6,621	6,606	-15	-0.2%
71.6%	6,553	6,581	28	0.4%
72.8%	6,385	6,565	180	2.8%
74.1%	6,313	6,506	193	3.1%
75.3%	6,276	6,408	133	2.1%
76.5%	6,142	6,384	243	3.9%
77.8%	6,130	6,236	105	1.7%
79.0%	6,085	6,144	58	1.0%
80.2%	5,923	6,109	186	3.1%
81.5%	5,839	5,957	117	2.0%
82.7%	5,779	5,838	59	1.0%
84.0%	5,715	5,720	5	0.1%
85.2%	5,689	5,705	16	0.3%
86.4%	5,547	5,571	24	0.4%
87.7%	5,501	5,427	-74	-1.3%
88.9%	5,473	5,267	-206	-3.8%
90.1%	5,369	5,152	-217	-4.0%
91.4%	5,347	5,148	-199	-3.7%
92.6%	5,319	5,095	-224	-4.2%
93.8%	4,986	5,045	59	1.2%
95.1%	4,910	4,827	-82	-1.7%
96.3%	4,888	4,825	-63	-1.3%
97.5%	4,882	4,631	-252	-5.2%
98.8%	4,260	4,514	254	6.0%
100.0%	3,912	4,328	416	10.6%

August				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	11,759	11,746	-12	-0.1%
1.2%	11,307	11,325	19	0.2%
2.5%	10,649	10,360	-290	-2.7%
3.7%	10,146	9,708	-438	-4.3%
4.9%	9,845	9,653	-192	-2.0%
6.2%	9,795	9,594	-201	-2.1%
7.4%	9,741	9,407	-335	-3.4%
8.6%	9,463	9,189	-274	-2.9%
9.9%	9,437	9,176	-261	-2.8%
11.1%	9,378	9,165	-213	-2.3%
12.3%	9,130	9,117	-13	-0.1%
13.6%	9,019	8,997	-22	-0.2%
14.8%	9,018	8,879	-139	-1.5%
16.0%	8,998	8,779	-219	-2.4%
17.3%	8,897	8,697	-200	-2.2%
18.5%	8,833	8,656	-177	-2.0%
19.8%	8,801	8,536	-264	-3.0%
21.0%	8,783	8,513	-271	-3.1%
22.2%	8,772	8,480	-292	-3.3%
23.5%	8,683	8,441	-243	-2.8%
24.7%	8,607	8,434	-173	-2.0%
25.9%	8,595	8,429	-166	-1.9%
27.2%	8,553	8,317	-236	-2.8%
28.4%	8,542	8,315	-227	-2.7%
29.6%	8,506	8,234	-272	-3.2%
30.9%	8,490	8,173	-317	-3.7%
32.1%	8,451	8,145	-306	-3.6%
33.3%	8,368	8,132	-236	-2.8%
34.6%	8,258	8,127	-131	-1.6%
35.8%	8,181	8,020	-161	-2.0%
37.0%	8,148	8,000	-148	-1.8%
38.3%	8,102	7,943	-159	-2.0%
39.5%	8,077	7,904	-174	-2.1%
40.7%	8,035	7,826	-209	-2.6%
42.0%	8,030	7,825	-205	-2.5%
43.2%	8,025	7,791	-234	-2.9%
44.4%	7,971	7,788	-183	-2.3%
45.7%	7,846	7,716	-130	-1.7%
46.9%	7,805	7,638	-167	-2.1%
48.1%	7,757	7,570	-187	-2.4%
49.4%	7,721	7,543	-178	-2.3%
50.6%	7,715	7,500	-214	-2.8%
51.9%	7,677	7,492	-184	-2.4%
53.1%	7,669	7,446	-222	-2.9%
54.3%	7,604	7,444	-161	-2.1%
55.6%	7,474	7,377	-97	-1.3%
56.8%	7,333	7,377	44	0.6%
58.0%	7,253	7,350	97	1.3%
59.3%	7,204	7,256	52	0.7%
60.5%	7,198	7,162	-35	-0.5%
61.7%	7,062	7,128	66	0.9%
63.0%	6,791	7,033	243	3.6%
64.2%	6,785	7,013	227	3.4%
65.4%	6,764	6,883	119	1.8%
66.7%	6,739	6,836	97	1.4%
67.9%	6,725	6,807	82	1.2%
69.1%	6,672	6,767	96	1.4%
70.4%	6,624	6,615	-10	-0.1%
71.6%	6,613	6,591	-22	-0.3%
72.8%	6,451	6,566	115	1.8%
74.1%	6,430	6,196	-233	-3.6%
75.3%	6,384	6,148	-236	-3.7%
76.5%	6,373	6,140	-234	-3.7%
77.8%	6,339	6,080	-259	-4.1%
79.0%	6,206	6,058	-149	-2.4%
80.2%	6,185	6,043	-142	-2.3%
81.5%	6,152	5,935	-216	-3.5%
82.7%	5,965	5,891	-74	-1.2%
84.0%	5,874	5,775	-99	-1.7%
85.2%	5,781	5,674	-106	-1.8%
86.4%	5,773	5,571	-202	-3.5%
87.7%	5,702	5,472	-230	-4.0%
88.9%	5,566	5,452	-114	-2.0%
90.1%	5,542	5,338	-204	-3.7%
91.4%	5,527	5,325	-202	-3.6%
92.6%	5,506	5,226	-279	-5.1%
93.8%	5,130	5,174	45	0.9%
95.1%	5,023	5,103	80	1.6%
96.3%	4,966	5,084	118	2.4%
97.5%	4,815	5,070	254	5.3%
98.8%	4,560	4,631	71	1.6%
100.0%	3,889	4,375	486	12.5%

September				
Percent Exceedance Probability	No Action Alternative	Alternative B	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,012	11,965	-46	-0.4%
1.2%	10,291	11,312	1,020	9.9%
2.5%	10,163	10,545	382	3.8%
3.7%	10,108	10,122	14	0.1%
4.9%	9,848	9,993	146	1.5%
6.2%	9,753	9,760	7	0.1%
7.4%	9,722	9,753	32	0.3%
8.6%	9,546	9,635	89	0.9%
9.9%	9,481	9,616	136	1.4%
11.1%	9,360	9,462	102	1.1%
12.3%	9,328	9,377	50	0.5%
13.6%	9,327	9,269	-58	-0.6%
14.8%	9,301	9,209	-91	-1.0%
16.0%	9,127	9,081	-46	-0.5%
17.3%	9,107	8,996	-112	-1.2%
18.5%	9,042	8,986	-55	-0.6%
19.8%	9,020	8,980	-39	-0.4%
21.0%	8,965	8,955	-10	-0.1%
22.2%	8,963	8,935	-28	-0.3%
23.5%	8,960	8,874	-86	-1.0%
24.7%	8,948	8,852	-97	-1.1%
25.9%	8,864	8,818	-46	-0.5%
27.2%	8,855	8,790	-64	-0.7%
28.4%	8,840	8,790	-50	-0.6%
29.6%	8,815	8,763	-52	-0.6%
30.9%	8,806	8,754	-52	-0.6%
32.1%	8,793	8,744	-49	-0.6%
33.3%	8,772	8,739	-33	-0.4%
34.6%	8,767	8,736	-32	-0.4%
35.8%	8,690	8,562	-128	-1.5%
37.0%	8,669	8,519	-151	-1.7%
38.3%	8,651	8,508	-143	-1.7%
39.5%	8,613	8,478	-136	-1.6%
40.7%	8,566	8,457	-109	-1.3%
42.0%	8,491	8,397	-95	-1.1%
43.2%	8,428	8,352	-77	-0.9%
44.4%	8,412	8,340	-72	-0.9%
45.7%	8,401	8,321	-81	-1.0%
46.9%	8,339	8,278	-62	-0.7%
48.1%	8,273	8,268	-5	-0.1%
49.4%	8,263	8,229	-34	-0.4%
50.6%	8,217	8,219	1	0.0%
51.9%	8,162	8,216	54	0.7%
53.1%	8,158	8,215	57	0.7%
54.3%	8,158	8,210	52	0.6%
55.6%	8,143	8,204	60	0.7%
56.8%	8,135	8,164	29	0.4%
58.0%	8,130	8,099	-31	-0.4%
59.3%	7,983	8,009	26	0.3%
60.5%	7,971	8,001	30	0.4%
61.7%	7,948	7,932	-16	-0.2%
63.0%	7,719	7,869	150	1.9%
64.2%	7,704	7,833	129	1.7%
65.4%	7,634	7,781	147	1.9%
66.7%	7,611	7,740	128	1.7%
67.9%	7,604	7,714	110	1.4%
69.1%	7,561	7,699	138	1.8%
70.4%	7,517	7,607	90	1.2%
71.6%	7,366	7,478	112	1.5%
72.8%	7,335	7,402	67	0.9%
74.1%	7,268	7,294	26	0.4%
75.3%	7,255	7,274	19	0.3%
76.5%	7,113	7,204	91	1.3%
77.8%	7,071	6,994	-78	-1.1%
79.0%	7,009	6,975	-35	-0.5%
80.2%	6,915	6,908	-7	-0.1%
81.5%	6,902	6,852	-50	-0.7%
82.7%	6,632	6,811	179	2.7%
84.0%	6,585	6,723	139	2.1%
85.2%	6,550	6,667	117	1.8%
86.4%	6,530	6,613	83	1.3%
87.7%	6,298	6,602	304	4.8%
88.9%	6,272	6,590	318	5.1%
90.1%	6,124	6,501	378	6.2%
91.4%	5,922	6,440	518	8.7%
92.6%	5,918	6,298	380	6.4%
93.8%	5,873	6,297	424	7.2%
95.1%	5,871	6,116	245	4.2%
96.3%	5,806	5,914	108	1.9%
97.5%	5,679	5,902	223	3.9%
98.8%	5,613	5,545	-68	-1.2%
100.0%	4,562	5,528	966	21.2%

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Alternative C Compared to No Action Alternative

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Table SQ-01-7a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	84	82	76	67	61	61	64	68	75	80	85	83
Alternative C	83	82	76	68	62	62	64	68	74	79	84	82
Difference	-1	0	0	1	1	1	0	0	0	-1	-1	-1
Percent Difference[3]	-0.9%	-0.4%	0.1%	1.2%	1.5%	1.7%	0.7%	0.2%	-0.5%	-1.6%	-1.6%	-1.4%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	74	73	71	54	50	52	55	58	65	74	83	74
Alternative C	74	73	72	54	51	52	55	58	65	73	82	73
Difference	0	0	1	0	0	0	0	0	0	-1	-1	0
Percent Difference	0.2%	0.2%	1.0%	0.8%	0.6%	0.5%	0.2%	0.1%	-0.5%	-1.7%	-1.4%	-0.5%
Above Normal (15%)												
No Action Alternative	80	78	73	62	55	54	59	63	73	78	84	74
Alternative C	80	78	74	63	55	55	59	63	72	76	82	74
Difference	0	0	1	1	1	1	0	0	0	-2	-1	-1
Percent Difference	-0.2%	0.0%	1.1%	1.8%	1.4%	1.6%	0.8%	0.1%	-0.5%	-2.0%	-1.6%	-0.8%
Below Normal (17%)												
No Action Alternative	90	85	75	72	61	63	65	69	77	81	85	89
Alternative C	88	84	74	74	62	65	65	69	76	80	84	87
Difference	-2	-1	-1	2	1	2	1	0	-1	-2	-2	-2
Percent Difference	-2.0%	-1.6%	-1.5%	2.1%	1.5%	2.5%	1.1%	0.1%	-0.7%	-1.9%	-2.0%	-2.5%
Dry (22%)												
No Action Alternative	91	89	79	77	70	67	70	75	81	85	87	90
Alternative C	90	88	79	78	71	69	71	75	80	83	85	87
Difference	-2	-1	0	1	1	2	1	0	0	-1	-2	-2
Percent Difference	-1.7%	-0.7%	-0.2%	0.9%	1.6%	2.8%	1.1%	0.3%	-0.5%	-1.6%	-2.3%	-2.5%
Critical (15%)												
No Action Alternative	93	92	88	82	76	75	78	83	86	88	89	91
Alternative C	92	92	88	82	78	76	78	83	86	87	88	91
Difference	-1	0	0	1	2	1	0	0	0	-1	-1	-1
Percent Difference	-1.1%	-0.2%	0.0%	0.8%	2.5%	1.2%	0.2%	0.2%	-0.1%	-0.7%	-0.9%	-0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SQ-01-7b
X2, Monthly Position
Probability of Exceedance

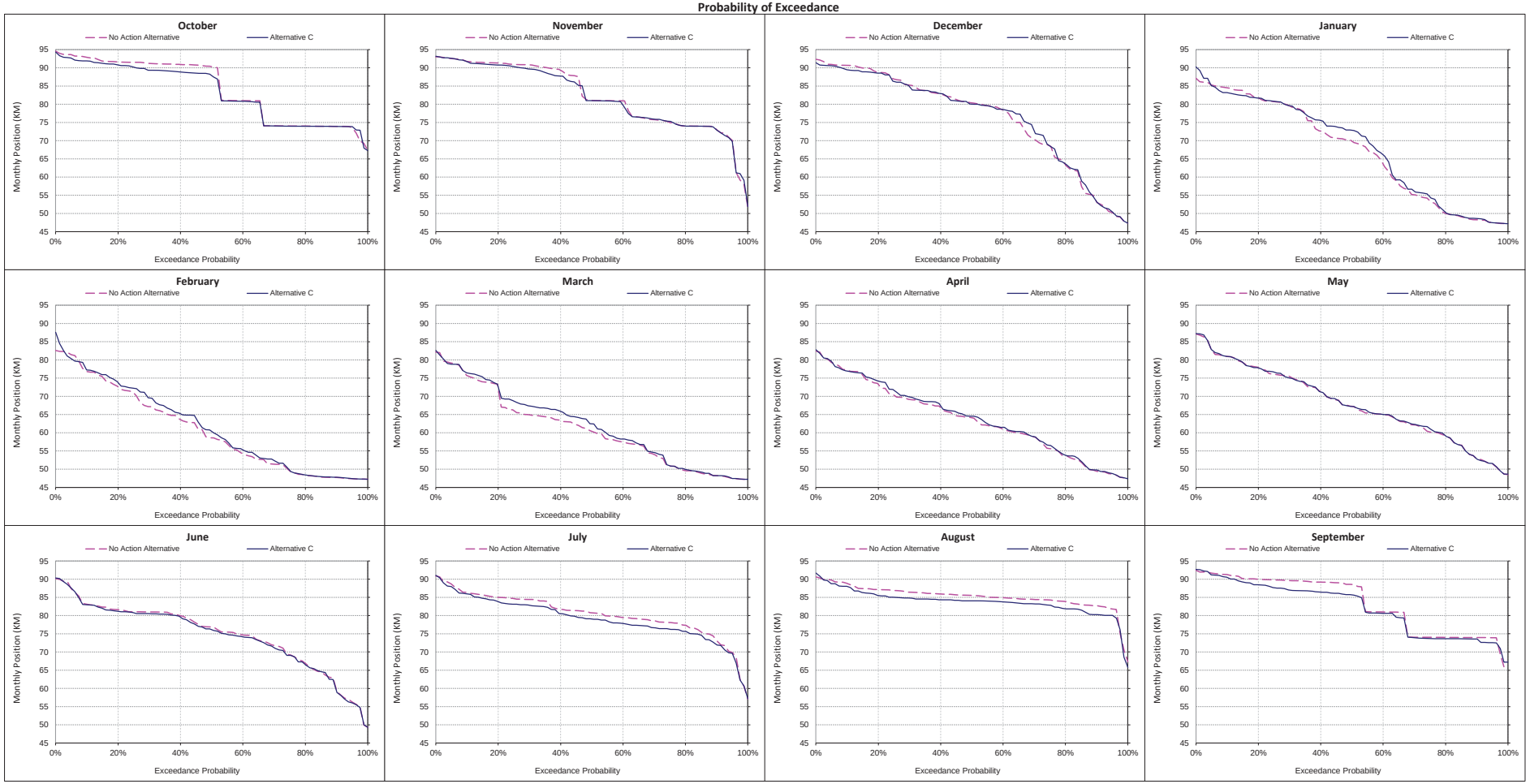

Table SQ-01-7b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95	94	0	-0.2%
1.2%	94	93	-1	-0.7%
2.5%	94	93	-1	-0.8%
3.7%	94	93	-1	-0.9%
4.9%	94	93	-1	-1.1%
6.2%	93	92	-1	-1.2%
7.4%	93	92	-1	-1.3%
8.6%	93	92	-1	-1.3%
9.9%	93	92	-1	-1.1%
11.1%	93	92	-1	-0.9%
12.3%	93	91	-1	-1.4%
13.6%	92	91	-1	-1.0%
14.8%	92	91	-1	-0.7%
16.0%	92	91	-1	-0.7%
17.3%	92	91	-1	-0.7%
18.5%	92	91	-1	-0.8%
19.8%	92	91	-1	-0.9%
21.0%	92	91	-1	-1.0%
22.2%	92	91	-1	-1.0%
23.5%	92	91	-1	-1.0%
24.7%	92	90	-1	-1.3%
25.9%	92	90	-2	-1.7%
27.2%	92	90	-2	-1.8%
28.4%	91	90	-2	-1.7%
29.6%	91	89	-2	-2.0%
30.9%	91	89	-2	-2.0%
32.1%	91	89	-2	-2.0%
33.3%	91	89	-2	-1.9%
34.6%	91	89	-2	-2.0%
35.8%	91	89	-2	-2.0%
37.0%	91	89	-2	-2.1%
38.3%	91	89	-2	-2.2%
39.5%	91	89	-2	-2.2%
40.7%	91	89	-2	-2.3%
42.0%	91	89	-2	-2.4%
43.2%	91	89	-2	-2.5%
44.4%	91	89	-2	-2.5%
45.7%	91	89	-2	-2.4%
46.9%	91	89	-2	-2.3%
48.1%	90	88	-2	-2.2%
49.4%	90	88	-2	-2.4%
50.6%	90	87	-3	-3.1%
51.9%	90	87	-3	-3.4%
53.1%	81	81	0	-0.2%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.2%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	81	0	-0.2%
61.7%	81	81	0	-0.3%
63.0%	81	81	0	-0.3%
64.2%	81	81	0	-0.5%
65.4%	81	81	0	-0.5%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.1%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	-0.1%
75.3%	74	74	0	-0.1%
76.5%	74	74	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	-0.1%
80.2%	74	74	0	-0.1%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	-0.1%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	74	74	0	-0.1%
91.4%	74	74	0	-0.1%
92.6%	74	74	0	-0.1%
93.8%	74	74	0	-0.1%
95.1%	74	74	0	0.4%
96.3%	72	73	1	1.2%
97.5%	70	73	3	4.3%
98.8%	69	68	-1	-1.9%
100.0%	67	67	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93	93	0	0.2%
1.2%	93	93	0	0.0%
2.5%	93	93	0	-0.1%
3.7%	93	93	0	0.1%
4.9%	93	93	0	0.1%
6.2%	92	92	0	0.0%
7.4%	92	92	0	-0.3%
8.6%	92	92	0	-0.1%
9.9%	92	92	0	0.0%
11.1%	92	91	0	-0.5%
12.3%	92	91	0	-0.4%
13.6%	91	91	0	-0.4%
14.8%	91	91	0	-0.4%
16.0%	91	91	0	-0.5%
17.3%	91	91	0	-0.5%
18.5%	91	91	-1	-0.6%
19.8%	91	91	-1	-0.6%
21.0%	91	91	0	-0.5%
22.2%	91	91	-1	-0.6%
23.5%	91	91	0	-0.4%
24.7%	91	90	-1	-0.7%
25.9%	91	90	-1	-0.8%
27.2%	91	90	-1	-0.9%
28.4%	91	90	-1	-1.1%
29.6%	91	90	-1	-1.2%
30.9%	91	90	-1	-1.3%
32.1%	91	89	-1	-1.1%
33.3%	90	89	-1	-1.2%
34.6%	90	89	-1	-1.5%
35.8%	90	88	-2	-1.7%
37.0%	90	88	-2	-1.8%
38.3%	90	88	-2	-2.1%
39.5%	90	88	-2	-2.0%
40.7%	89	88	-1	-1.4%
42.0%	88	87	-1	-1.7%
43.2%	88	86	-2	-1.9%
44.4%	88	86	-2	-2.0%
45.7%	88	85	-2	-2.7%
46.9%	82	85	3	3.5%
48.1%	81	81	0	-0.4%
49.4%	81	81	0	-0.1%
50.6%	81	81	0	-0.1%
51.9%	81	81	0	0.0%
53.1%	81	81	0	-0.1%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.1%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.3%
60.5%	81	79	-2	-2.3%
61.7%	78	77	-1	-1.0%
63.0%	77	77	0	0.0%
64.2%	77	76	0	-0.1%
65.4%	76	76	0	-0.1%
66.7%	76	76	0	0.2%
67.9%	76	76	0	0.4%
69.1%	76	76	0	0.3%
70.4%	76	76	0	0.2%
71.6%	76	76	0	0.3%
72.8%	76	76	0	0.1%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.4%
76.5%	75	75	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	-0.1%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	-0.1%
86.4%	74	74	0	-0.1%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	72	72	0	0.0%
92.6%	72	71	-1	-0.9%
93.8%	71	71	0	-0.1%
95.1%	70	70	0	-0.3%
96.3%	61	61	0	0.0%
97.5%	59	61	2	3.0%
98.8%	58	59	1	1.9%
100.0%	52	52	0	0.2%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	91	-1	-1.1%
1.2%	92	91	-1	-1.5%
2.5%	92	91	-1	-1.1%
3.7%	91	91	0	-0.4%
4.9%	91	91	0	-0.4%
6.2%	91	90	0	-0.3%
7.4%	91	90	-1	-0.6%
8.6%	91	90	-1	-1.0%
9.9%	91	89	-1	-1.3%
11.1%	91	89	-1	-1.4%
12.3%	91	89	-1	-1.5%
13.6%	90	89	-1	-1.1%
14.8%	90	89	-1	-1.2%
16.0%	90	89	-1	-1.1%
17.3%	90	89	-1	-1.1%
18.5%	89	89	-1	-0.6%
19.8%	89	89	0	-0.2%
21.0%	89	89	0	-0.2%
22.2%	89	88	-1	-0.6%
23.5%	88	88	0	0.0%
24.7%	87	86	-1	-0.8%
25.9%	87	86	-1	-0.7%
27.2%	87	86	-1	-0.6%
28.4%	86	86	0	0.1%
29.6%	85	85	0	-0.1%
30.9%	85	84	-1	-1.5%
32.1%	85	84	-1	-0.9%
33.3%	84	84	0	-0.1%
34.6%	84	84	0	0.0%
35.8%	84	84	0	0.0%
37.0%	83	83	0	0.2%
38.3%	83	83	0	0.4%
39.5%	83	83	0	0.1%
40.7%	83	83	0	0.3%
42.0%	82	82	0	0.0%
43.2%	82	81	-1	-1.2%
44.4%	81	81	0	-0.5%
45.7%	81	81	0	-0.3%
46.9%	81	81	0	0.1%
48.1%	81	81	0	0.1%
49.4%	80	80	0	-0.4%
50.6%	80	80	0	-0.4%
51.9%	80	80	0	-0.2%
53.1%	80	80	0	-0.3%
54.3%	80	80	0	0.1%
55.6%	80	80	0	-0.1%
56.8%	79	79	0	-0.3%
58.0%	79	79	-1	-0.7%
59.3%	79	79	0	-0.1%
60.5%	78	78	0	0.3%
61.7%	78	78	1	0.9%
63.0%	76	78	2	3.0%
64.2%	75	77	2	3.1%
65.4%	75	77	2	3.0%
66.7%	73	75	2	2.9%
67.9%	72	75	3	4.6%
69.1%	71	74	4	5.2%
70.4%	70	72	2	2.5%
71.6%	69	72	2	3.3%
72.8%	69	71	3	3.6%
74.1%	69	69	0	0.3%
75.3%	68	68	0	-0.1%
76.5%	65	68	2	3.5%
77.8%	65	65	0	-0.7%
79.0%	65	64	-1	-0.9%
80.2%	63	63	0	0.6%
81.5%	62	63	0	0.6%
82.7%	62	62	0	0.4%
84.0%	62	62	0	0.6%
85.2%	57	59	2	2.7%
86.4%	56	58	2	4.1%
87.7%	55	56	1	1.1%
88.9%	55	55	0	-0.8%
90.1%	53	53	0	0.2%
91.4%	52	52	0	-0.6%
92.6%	52	51	0	-0.7%
93.8%	51	51	1	1.2%
95.1%	50	50	0	0.3%
96.3%	49	49	0	0.4%
97.5%	49	49	0	0.1%
98.8%	48	48	0	0.3%
100.0%	47	47	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	90	3	3.6%
1.2%	86	89	3	3.6%
2.5%	86	87	1	1.3%
3.7%	86	87	1	1.3%
4.9%	85	85	0	-0.2%
6.2%	85	85	0	-0.4%
7.4%	85	84	-1	-1.3%
8.6%	85	83	-1	-1.7%
9.9%	85	83	-1	-1.6%
11.1%	84	83	-1	-1.6%
12.3%	84	83	-1	-1.4%
13.6%	84	83	-1	-1.5%
14.8%	84	82	-1	-1.7%
16.0%	83	82	-1	-0.6%
17.3%	83	82	-1	-1.1%
18.5%	82	82	0	-0.2%
19.8%	82	82	0	-0.3%
21.0%	81	82	0	0.5%
22.2%	81	81	0	0.2%
23.5%	81	81	0	0.1%
24.7%	81	81	0	0.1%
25.9%	81	81	0	0.1%
27.2%	81	81	0	0.1%
28.4%	80	80	0	-0.1%
29.6%	80	80	0	-0.1%
30.9%	79	79	0	0.4%
32.1%	79	79	0	-0.4%
33.3%	79	78	0	-0.2%
34.6%	78	78	0	-0.3%
35.8%	76	77	1	1.7%
37.0%	75	76	1	1.1%
38.3%	73	76	2	3.3%
39.5%	73	76	3	4.0%
40.7%	73	75	3	3.9%
42.0%	72	74	2	3.3%
43.2%	71	74	3	4.3%
44.4%	71	74	3	4.5%
45.7%	71	74	3	4.3%
46.9%	71	74	3	4.2%
48.1%	70	73	3	3.9%
49.4%	70	73	3	3.8%
50.6%	69	73	3	4.8%
51.9%	69	72	3	4.6%
53.1%	69	71	2	3.6%
54.3%	68	71	3	4.0%
55.6%	67	69	2	3.6%
56.8%	67	68	2	2.7%
58.0%	66	67	1	2.0%
59.3%	65	67	2	3.0%
60.5%	63	66	3	4.7%
61.7%	62	64	3	4.2%
63.0%	60	61	1	1.4%
64.2%	59	59	0	0.4%
65.4%	58	59	2	2.8%
66.7%	57	58	2	2.7%
67.9%	57	57	0	0.2%
69.1%	55	57	1	2.6%
70.4%	55	56	1	1.4%
71.6%	55	56	1	2.0%
72.8%	54	56	1	2.2%
74.1%	54	55	1	2.2%
75.3%	53	54	1	2.0%
76.5%	53	54	1	2.0%
77.8%	52	52	0	0.9%
79.0%	50	51	1	1.4%
80.2%	50	50	0	0.3%
81.5%	50	50	0	-0.1%
82.7%	50	50	0	0.1%
84.0%	49	50	0	0.3%
85.2%	49	49	0	0.5%
86.4%	49	49	0	0.1%
87.7%	48	49	0	0.5%
88.9%	48	49	0	0.7%
90.1%	48	49	0	0.7%
91.4%	48	48	0	0.7%
92.6%	48	48	0	0.3%
93.8%	48	48	0	-0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.1%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

Table SQ-01-7b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	83	88	5	6.0%
1.2%	82	84	2	2.6%
2.5%	82	83	0	0.4%
3.7%	82	81	-1	-1.2%
4.9%	81	80	-1	-1.4%
6.2%	81	80	-2	-1.9%
7.4%	80	80	0	-0.3%
8.6%	78	79	2	2.1%
9.9%	77	77	0	0.6%
11.1%	77	77	1	0.7%
12.3%	77	77	0	0.4%
13.6%	76	76	1	0.8%
14.8%	75	76	0	0.6%
16.0%	74	76	2	2.3%
17.3%	74	75	1	1.7%
18.5%	73	75	1	2.0%
19.8%	73	74	1	1.7%
21.0%	72	73	1	1.2%
22.2%	72	73	1	1.5%
23.5%	71	72	1	1.3%
24.7%	71	72	1	1.4%
25.9%	70	72	2	2.9%
27.2%	68	71	3	4.4%
28.4%	67	71	4	5.3%
29.6%	67	70	2	3.6%
30.9%	67	69	2	3.4%
32.1%	66	68	2	2.9%
33.3%	66	68	2	2.4%
34.6%	66	67	2	2.7%
35.8%	65	67	2	2.6%
37.0%	65	66	2	2.4%
38.3%	65	66	1	1.3%
39.5%	64	65	2	2.5%
40.7%	63	65	2	2.6%
42.0%	63	65	2	3.0%
43.2%	63	65	2	3.2%
44.4%	63	65	2	3.1%
45.7%	61	63	2	3.2%
46.9%	61	61	0	0.8%
48.1%	59	61	2	3.3%
49.4%	59	61	2	3.7%
50.6%	59	60	1	2.4%
51.9%	58	59	1	2.2%
53.1%	58	59	1	1.2%
54.3%	58	58	1	1.0%
55.6%	56	57	1	1.2%
56.8%	55	56	0	0.8%
58.0%	55	56	0	0.8%
59.3%	55	56	1	1.9%
60.5%	54	55	1	2.1%
61.7%	54	55	1	1.9%
63.0%	53	55	1	2.3%
64.2%	53	54	1	2.2%
65.4%	53	53	0	0.8%
66.7%	53	53	0	0.6%
67.9%	51	53	1	2.6%
69.1%	51	53	1	2.6%
70.4%	51	52	1	1.7%
71.6%	51	52	0	0.6%
72.8%	51	52	0	0.9%
74.1%	50	51	0	0.7%
75.3%	49	49	0	0.1%
76.5%	49	49	0	-0.3%
77.8%	49	49	0	0.4%
79.0%	49	49	0	0.0%
80.2%	48	48	0	0.1%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.1%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.2%
86.4%	48	48	0	0.2%
87.7%	48	48	0	0.2%
88.9%	48	48	0	0.1%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.2%
93.8%	47	47	0	0.1%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	0	0.6%
1.2%	82	81	-1	-0.8%
2.5%	80	80	1	0.7%
3.7%	79	79	0	-0.5%
4.9%	79	79	0	-0.4%
6.2%	79	79	0	-0.4%
7.4%	79	79	0	0.2%
8.6%	77	77	0	-0.1%
9.9%	76	76	1	1.0%
11.1%	75	76	1	1.3%
12.3%	75	76	1	1.5%
13.6%	74	76	1	1.8%
14.8%	74	75	1	1.9%
16.0%	74	75	1	1.0%
17.3%	74	74	1	0.9%
18.5%	74	74	0	0.4%
19.8%	73	73	0	-0.1%
21.0%	67	69	2	3.6%
22.2%	67	69	2	3.5%
23.5%	66	69	3	4.3%
24.7%	66	69	3	3.8%
25.9%	66	68	3	4.3%
27.2%	65	68	2	3.8%
28.4%	65	68	3	4.2%
29.6%	65	67	2	3.7%
30.9%	65	67	2	3.8%
32.1%	65	67	2	3.6%
33.3%	65	67	2	3.5%
34.6%	64	67	2	3.7%
35.8%	64	67	2	3.7%
37.0%	64	66	2	3.6%
38.3%	64	66	3	4.4%
39.5%	63	66	3	4.1%
40.7%	63	66	3	4.0%
42.0%	63	65	2	2.9%
43.2%	63	64	1	2.4%
44.4%	62	64	2	3.2%
45.7%	62	64	2	3.5%
46.9%	61	64	2	4.0%
48.1%	61	64	3	4.3%
49.4%	61	62	2	3.1%
50.6%	60	62	2	3.7%
51.9%	60	61	1	2.2%
53.1%	60	61	1	2.0%
54.3%	58	60	2	3.0%
55.6%	58	59	1	1.9%
56.8%	58	59	1	1.7%
58.0%	58	58	1	1.2%
59.3%	58	58	1	1.2%
60.5%	57	58	1	1.6%
61.7%	57	58	1	1.5%
63.0%	57	58	1	1.6%
64.2%	57	57	0	0.8%
65.4%	57	57	0	0.2%
66.7%	56	57	0	0.8%
67.9%	54	55	0	0.8%
69.1%	54	55	0	0.7%
70.4%	54	55	1	1.1%
71.6%	53	54	1	1.9%
72.8%	53	54	1	1.6%
74.1%	51	51	0	0.7%
75.3%	51	51	0	0.1%
76.5%	51	51	0	0.0%
77.8%	50	50	0	0.1%
79.0%	50	50	0	0.8%
80.2%	50	50	0	0.7%
81.5%	50	50	0	0.1%
82.7%	49	49	0	0.0%
84.0%	49	49	0	0.5%
85.2%	49	49	0	0.6%
86.4%	49	49	0	0.5%
87.7%	49	49	0	0.7%
88.9%	48	48	0	-0.1%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.3%
93.8%	48	48	0	0.3%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	0	0.5%
1.2%	82	82	0	-0.4%
2.5%	80	81	0	0.2%
3.7%	80	80	0	0.1%
4.9%	79	80	0	0.4%
6.2%	79	78	-1	-0.9%
7.4%	78	78	0	-0.6%
8.6%	77	77	0	-0.2%
9.9%	77	77	0	-0.5%
11.1%	77	77	0	-0.1%
12.3%	77	77	0	-0.3%
13.6%	77	76	0	-0.4%
14.8%	76	76	0	0.4%
16.0%	75	75	1	0.9%
17.3%	74	75	1	1.0%
18.5%	74	75	1	1.3%
19.8%	74	74	1	0.9%
21.0%	72	74	2	2.4%
22.2%	72	74	2	2.2%
23.5%	71	72	1	1.7%
24.7%	71	72	1	2.0%
25.9%	70	71	1	1.9%
27.2%	70	70	1	0.7%
28.4%	70	70	1	0.9%
29.6%	69	70	1	1.0%
30.9%	69	70	1	0.9%
32.1%	69	69	0	0.4%
33.3%	68	69	0	0.7%
34.6%	68	69	1	1.0%
35.8%	68	69	1	1.0%
37.0%	68	69	1	1.2%
38.3%	67	68	1	1.7%
39.5%	67	68	1	1.1%
40.7%	66	66	0	0.5%
42.0%	66	66	0	0.6%
43.2%	66	66	1	0.8%
44.4%	65	66	1	1.8%
45.7%	65	65	1	1.2%
46.9%	64	65	1	1.1%
48.1%	64	65	0	0.6%
49.4%	64	65	0	0.5%
50.6%	64	65	1	0.8%
51.9%	63	64	1	2.0%
53.1%	62	64	1	2.4%
54.3%	62	63	1	1.2%
55.6%	62	62	0	0.4%
56.8%	62	62	0	0.3%
58.0%	62	62	0	0.0%
59.3%	61	61	0	0.4%
60.5%	61	61	1	1.2%
61.7%	61	61	0	0.2%
63.0%	60	60	0	0.4%
64.2%	60	60	0	0.6%
65.4%	60	60	0	0.7%
66.7%	60	60	1	1.0%
67.9%	59	60	0	0.3%
69.1%	59	59	0	0.1%
70.4%	59	59	0	0.2%
71.6%	58	58	0	0.0%
72.8%	57	57	0	0.8%
74.1%	56	57	1	1.6%
75.3%	56	56	1	1.6%
76.5%	55	56	0	0.6%
77.8%	55	55	0	-0.1%
79.0%	54	54	0	0.9%
80.2%	54	54	0	0.0%
81.5%	53	54	1	0.9%
82.7%	53	54	1	1.4%
84.0%	53	53	0	0.7%
85.2%	52	52	0	0.4%
86.4%	51	51	0	0.4%
87.7%	50	50	0	0.1%
88.9%	50	50	0	0.0%
90.1%	49	50	0	0.7%
91.4%	49	49	0	0.1%
92.6%	49	49	0	0.2%
93.8%	49	49	0	0.4%
95.1%	49	49	0	0.2%
96.3%	48	48	0	0.0%
97.5%	48	48	0	0.0%
98.8%	48	48	0	0.0%
100.0%	47	47	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	87	0	0.1%
1.2%	87	87	0	0.4%
2.5%	86	87	1	0.6%
3.7%	85	85	0	-0.1%
4.9%	83	83	0	0.2%
6.2%	81	82	1	0.6%
7.4%	81	82	0	0.3%
8.6%	81	81	0	0.1%
9.9%	81	81	0	0.1%
11.1%	81	81	0	0.1%
12.3%	81	80	0	-0.1%
13.6%	80	80	0	0.3%
14.8%	79	79	0	0.1%
16.0%	79	78	0	-0.2%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.3%
19.8%	78	78	0	-0.2%
21.0%	77	78	0	0.2%
22.2%	77	77	0	-0.4%
23.5%	76	77	1	0.8%
24.7%	76	77	1	0.9%
25.9%	76	76	0	0.5%
27.2%	76	76	1	0.7%
28.4%	76	75	0	-0.3%
29.6%	76	75	-1	-0.7%
30.9%	75	75	0	-0.2%
32.1%	75	74	0	-0.3%
33.3%	74	74	0	-0.5%
34.6%	74	74	0	0.4%
35.8%	73	73	0	0.6%
37.0%	73	73	0	0.3%
38.3%	72	72	0	0.1%
39.5%	72	71	0	-0.3%
40.7%	71	71	0	-0.1%
42.0%	70	70	0	0.1%
43.2%	69	69	0	0.0%
44.4%	69	69	0	0.5%
45.7%	69	69	0	-0.2%
46.9%	68	68	0	0.0%
48.1%	68	67	0	-0.2%
49.4%	67	67	0	-0.1%
50.6%	67	67	0	0.0%
51.9%	66	67	0	0.6%
53.1%	66	66	0	0.6%
54.3%	65	66	1	1.3%
55.6%	65	66	0	0.3%
56.8%	65	65	0	0.1%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.1%
60.5%	65	65	0	0.1%
61.7%	65	65	0	0.1%
63.0%	64	65	0	0.4%
64.2%	64	64	0	0.0%
65.4%	63	63	0	0.3%
66.7%	63	63	0	0.2%
67.9%	63	63	0	0.5%
69.1%	62	62	0	0.3%
70.4%	62	62	0	0.3%
71.6%	62	62	0	0.3%
72.8%	61	62	0	0.7%
74.1%	60	62	1	2.1%
75.3%	60	61	1	1.3%
76.5%	60	60	0	0.2%
77.8%	60	60	0	0.3%
79.0%	59	60	0	0.7%
80.2%	59	59	0	-0.3%
81.5%	58	59	0	0.1%
82.7%	57	57	0	0.0%
84.0%	57	57	0	0.1%
85.2%	57	56	0	-0.2%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.1%
88.9%	54	54	0	0.0%
90.1%	53	53	0	0.1%
91.4%	53	52	0	-0.5%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.1%
95.1%	51	52	0	0.2%
96.3%	51	51	0	0.0%
97.5%	49	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	48	49	0	0.3%

Table SQ-01-7b

X2, Monthly Position

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	90	90	0	0.1%
1.2%	90	90	0	0.3%
2.5%	89	89	0	-0.1%
3.7%	89	89	-1	-1.0%
4.9%	87	88	0	0.2%
6.2%	86	87	0	0.2%
7.4%	85	85	0	-0.6%
8.6%	83	83	0	-0.4%
9.9%	83	83	0	-0.2%
11.1%	83	83	0	0.0%
12.3%	83	83	0	-0.1%
13.6%	83	82	0	-0.3%
14.8%	82	82	0	-0.3%
16.0%	82	82	-1	-0.9%
17.3%	82	81	0	-0.4%
18.5%	82	81	0	-0.5%
19.8%	82	81	0	-0.5%
21.0%	82	81	-1	-0.6%
22.2%	81	81	0	-0.4%
23.5%	81	81	0	-0.1%
24.7%	81	81	0	-0.3%
25.9%	81	81	0	-0.6%
27.2%	81	81	0	-0.6%
28.4%	81	81	0	-0.6%
29.6%	81	81	0	-0.6%
30.9%	81	81	0	-0.6%
32.1%	81	80	0	-0.6%
33.3%	81	80	-1	-0.6%
34.6%	81	80	-1	-0.7%
35.8%	81	80	-1	-0.7%
37.0%	80	80	0	-0.4%
38.3%	80	80	0	-0.5%
39.5%	80	80	0	-0.3%
40.7%	80	79	-1	-0.8%
42.0%	79	79	0	-0.6%
43.2%	79	78	-1	-1.0%
44.4%	78	78	0	-0.6%
45.7%	78	77	-1	-0.7%
46.9%	77	77	0	-0.3%
48.1%	77	76	-1	-0.7%
49.4%	77	76	-1	-0.7%
50.6%	77	76	-1	-1.3%
51.9%	76	76	0	-0.6%
53.1%	76	75	0	-0.5%
54.3%	75	75	0	-0.6%
55.6%	75	75	-1	-1.0%
56.8%	75	75	-1	-1.0%
58.0%	75	74	-1	-0.7%
59.3%	75	74	0	-0.7%
60.5%	75	74	-1	-0.7%
61.7%	75	74	-1	-0.9%
63.0%	74	74	0	-0.7%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	-0.1%
66.7%	73	73	0	-0.5%
67.9%	73	72	-1	-0.9%
69.1%	72	72	0	-0.5%
70.4%	72	71	-1	-1.0%
71.6%	72	71	-1	-1.4%
72.8%	71	70	-1	-0.8%
74.1%	69	69	0	-0.5%
75.3%	69	69	0	-0.2%
76.5%	69	69	0	0.0%
77.8%	68	67	-1	-0.8%
79.0%	68	67	0	-0.3%
80.2%	67	66	0	-0.5%
81.5%	66	66	0	-0.2%
82.7%	65	65	0	0.3%
84.0%	65	65	0	0.2%
85.2%	65	65	0	0.0%
86.4%	64	64	1	1.1%
87.7%	63	63	-1	-0.9%
88.9%	63	62	0	-0.7%
90.1%	59	59	0	-0.5%
91.4%	58	58	0	-0.1%
92.6%	57	57	0	-0.4%
93.8%	57	56	-1	-1.2%
95.1%	56	56	0	-0.5%
96.3%	56	56	0	-0.1%
97.5%	55	55	0	-0.3%
98.8%	50	50	0	0.1%
100.0%	49	49	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	91	0	0.1%
1.2%	91	90	0	-0.2%
2.5%	89	89	0	-0.4%
3.7%	89	88	-1	-1.3%
4.9%	89	88	-1	-0.8%
6.2%	88	87	-1	-0.6%
7.4%	87	86	-1	-1.2%
8.6%	86	86	0	-0.4%
9.9%	86	86	0	-0.5%
11.1%	86	86	0	-0.3%
12.3%	86	85	-1	-1.0%
13.6%	86	85	-1	-0.9%
14.8%	86	85	-1	-1.1%
16.0%	86	85	-1	-1.0%
17.3%	85	84	-1	-1.2%
18.5%	85	84	-1	-1.0%
19.8%	85	84	-1	-1.3%
21.0%	85	83	-2	-1.8%
22.2%	85	83	-2	-1.9%
23.5%	85	83	-2	-1.9%
24.7%	85	83	-2	-1.8%
25.9%	85	83	-1	-1.6%
27.2%	85	83	-1	-1.8%
28.4%	84	83	-1	-1.8%
29.6%	84	83	-2	-1.8%
30.9%	84	83	-2	-2.0%
32.1%	84	83	-2	-2.0%
33.3%	84	83	-1	-1.7%
34.6%	84	82	-2	-1.9%
35.8%	84	82	-2	-1.9%
37.0%	82	82	-1	-0.8%
38.3%	82	82	0	-0.5%
39.5%	82	81	-1	-1.5%
40.7%	82	80	-1	-1.4%
42.0%	81	80	-1	-1.5%
43.2%	81	80	-1	-1.8%
44.4%	81	80	-2	-1.9%
45.7%	81	79	-2	-2.3%
46.9%	81	79	-2	-2.2%
48.1%	81	79	-2	-2.6%
49.4%	81	79	-2	-2.1%
50.6%	81	79	-2	-2.1%
51.9%	81	79	-2	-2.1%
53.1%	81	79	-2	-2.2%
54.3%	80	79	-1	-1.4%
55.6%	80	78	-2	-2.0%
56.8%	80	78	-2	-2.3%
58.0%	80	78	-2	-2.2%
59.3%	80	78	-2	-2.1%
60.5%	79	78	-2	-2.1%
61.7%	79	78	-2	-2.3%
63.0%	79	77	-2	-2.3%
64.2%	79	77	-2	-2.3%
65.4%	79	77	-2	-2.2%
66.7%	79	77	-2	-2.2%
67.9%	79	77	-2	-2.2%
69.1%	79	77	-2	-2.4%
70.4%	79	77	-2	-2.4%
71.6%	78	76	-2	-2.3%
72.8%	78	76	-2	-2.3%
74.1%	78	76	-2	-2.1%
75.3%	78	76	-2	-2.4%
76.5%	78	76	-2	-2.3%
77.8%	78	76	-2	-2.3%
79.0%	77	76	-2	-2.2%
80.2%	77	76	-2	-2.2%
81.5%	77	75	-2	-2.0%
82.7%	77	75	-2	-2.1%
84.0%	76	75	-1	-1.6%
85.2%	75	75	-1	-1.2%
86.4%	75	73	-2	-2.1%
87.7%	75	73	-2	-2.1%
88.9%	74	73	-2	-2.3%
90.1%	73	72	-1	-1.5%
91.4%	72	72	0	-0.3%
92.6%	72	71	-1	-1.7%
93.8%	70	70	0	-0.6%
95.1%	70	70	0	-0.2%
96.3%	68	67	-1	-2.2%
97.5%	62	62	0	-0.2%
98.8%	61	61	0	0.1%
100.0%	57	57	0	0.1%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	92	1	1.2%
1.2%	90	91	0	0.5%
2.5%	90	90	0	-0.2%
3.7%	90	90	0	-0.3%
4.9%	90	89	-1	-1.1%
6.2%	89	89	0	-0.5%
7.4%	89	88	-1	-1.2%
8.6%	89	88	-1	-1.3%
9.9%	89	88	-1	-1.0%
11.1%	88	88	-1	-0.9%
12.3%	88	87	-1	-1.5%
13.6%	87	87	-1	-0.8%
14.8%	87	86	-1	-1.3%
16.0%	87	86	-1	-1.4%
17.3%	87	86	-1	-1.4%
18.5%	87	86	-1	-1.4%
19.8%	87	86	-2	-1.8%
21.0%	87	85	-2	-2.0%
22.2%	87	85	-2	-2.0%
23.5%	87	85	-2	-2.3%
24.7%	87	85	-2	-2.2%
25.9%	87	85	-2	-2.2%
27.2%	87	85	-2	-2.2%
28.4%	87	85	-2	-2.1%
29.6%	86	85	-2	-1.8%
30.9%	86	85	-2	-1.9%
32.1%	86	85	-2	-2.0%
33.3%	86	85	-2	-2.0%
34.6%	86	85	-2	-1.9%
35.8%	86	85	-2	-1.8%
37.0%	86	84	-2	-1.9%
38.3%	86	84	-2	-1.8%
39.5%	86	84	-2	-1.8%
40.7%	86	84	-2	-1.8%
42.0%	86	84	-2	-1.8%
43.2%	86	84	-2	-1.8%
44.4%	86	84	-2	-1.8%
45.7%	86	84	-1	-1.7%
46.9%	86	84	-2	-1.8%
48.1%	86	84	-2	-1.8%
49.4%	86	84	-2	-1.8%
50.6%	86	84	-1	-1.7%
51.9%	85	84	-1	-1.7%
53.1%	85	84	-1	-1.6%
54.3%	85	84	-1	-1.5%
55.6%	85	84	-1	-1.3%
56.8%	85	84	-1	-1.3%
58.0%	85	84	-1	-1.2%
59.3%	85	84	-1	-1.3%
60.5%	85	84	-1	-1.3%
61.7%	85	84	-1	-1.4%
63.0%	85	84	-1	-1.4%
64.2%	85	84	-1	-1.4%
65.4%	85	83	-1	-1.5%
66.7%	85	83	-1	-1.5%
67.9%	85	83	-1	-1.5%
69.1%	84	83	-1	-1.5%
70.4%	84	83	-1	-1.4%
71.6%	84	83	-1	-1.4%
72.8%	84	83	-1	-1.6%
74.1%	84	83	-1	-1.7%
75.3%	84	83	-1	-1.7%
76.5%	84	82	-2	-2.1%
77.8%	84	82	-2	-2.1%
79.0%	84	82	-2	-2.3%
80.2%	84	82	-2	-2.4%
81.5%	84	82	-2	-2.0%
82.7%	83	82	-1	-1.7%
84.0%	83	82	-1	-1.6%
85.2%	83	81	-1	-1.8%
86.4%	83	81	-2	-2.4%
87.7%	83	80	-2	-3.0%
88.9%	83	80	-2	-2.9%
90.1%	83	80	-2	-3.0%
91.4%	83	80	-2	-2.9%
92.6%	82	80	-2	-2.8%
93.8%	82	80	-2	-2.3%
95.1%	82	80	-2	-2.1%
96.3%	82	79	-2	-3.0%
97.5%	75	76	1	1.3%
98.8%	70	69	-2	-2.7%
100.0%	67	66	-2	-2.3%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative C Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	93	0	0.2%
1.2%	92	93	1	0.7%
2.5%	92	92	0	0.3%
3.7%	92	92	0	0.2%
4.9%	92	91	0	-0.5%
6.2%	92	91	0	-0.5%
7.4%	91	91	0	-0.5%
8.6%	91	91	-1	-0.7%
9.9%	91	91	-1	-0.8%
11.1%	91	90	-1	-1.1%
12.3%	91	90	-1	-1.0%
13.6%	91	90	-1	-1.4%
14.8%	90	89	-1	-1.0%
16.0%	90	89	-1	-1.2%
17.3%	90	89	-1	-1.2%
18.5%	90	88	-2	-1.8%
19.8%	90	88	-2	-1.7%
21.0%	90	88	-2	-1.7%
22.2%	90	88	-2	-1.7%
23.5%	90	88	-2	-2.0%
24.7%	90	88	-2	-2.3%
25.9%	90	88	-2	-2.5%
27.2%	90	88	-2	-2.5%
28.4%	90	87	-2	-2.5%
29.6%	90	87	-3	-2.9%
30.9%	90	87	-3	-3.0%
32.1%	90	87	-3	-3.0%
33.3%	90	87	-3	-3.0%
34.6%	89	87	-3	-3.0%
35.8%	89	87	-3	-2.9%
37.0%	89	87	-3	-2.8%
38.3%	89	87	-3	-3.0%
39.5%	89	86	-3	-3.0%
40.7%	89	86	-3	-3.1%
42.0%	89	86	-3	-3.1%
43.2%	89	86	-3	-3.3%
44.4%	89	86	-3	-3.3%
45.7%	89	86	-3	-3.3%
46.9%	89	86	-3	-3.5%
48.1%	89	86	-3	-3.2%
49.4%	89	86	-3	-3.2%
50.6%	89	86	-3	-3.3%
51.9%	88	85	-3	-3.0%
53.1%	88	85	-3	-3.4%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.4%
56.8%	81	81	0	-0.4%
58.0%	81	81	0	-0.4%
59.3%	81	81	0	-0.4%
60.5%	81	81	0	-0.4%
61.7%	81	81	0	-0.4%
63.0%	81	81	0	-0.5%
64.2%	81	80	-1	-1.8%
65.4%	81	79	-1	-1.8%
66.7%	81	79	-2	-1.9%
67.9%	74	74	0	-0.1%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.2%
71.6%	74	74	0	-0.4%
72.8%	74	74	0	-0.4%
74.1%	74	74	0	-0.4%
75.3%	74	74	0	-0.4%
76.5%	74	74	0	-0.5%
77.8%	74	74	0	-0.5%
79.0%	74	74	0	-0.5%
80.2%	74	74	0	-0.5%
81.5%	74	74	0	-0.5%
82.7%	74	74	0	-0.5%
84.0%	74	74	0	-0.5%
85.2%	74	74	0	-0.5%
86.4%	74	74	0	-0.5%
87.7%	74	74	0	-0.5%
88.9%	74	74	0	-0.5%
90.1%	74	74	0	-0.6%
91.4%	74	73	-1	-1.7%
92.6%	74	73	-1	-1.7%
93.8%	74	73	-1	-1.8%
95.1%	74	73	-1	-1.9%
96.3%	74	72	-1	-1.9%
97.5%	69	71	1	2.1%
98.8%	66	67	1	2.1%
100.0%	66	67	1	2.1%

Table SW-30-7a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	11,090	15,637	23,085	31,464	36,638	32,437	23,161	18,934	16,432	19,394	15,017	17,468
Alternative C	11,827	16,757	22,642	30,315	35,588	30,929	22,880	18,879	16,887	20,608	16,134	18,709
Difference	737	1,120	-443	-1,149	-1,051	-1,508	-281	-56	455	1,214	1,117	1,241
Percent Difference[3]	6.7%	7.2%	-1.9%	-3.7%	-2.9%	-4.6%	-1.2%	-0.3%	2.8%	6.3%	7.4%	7.1%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	13,254	20,448	25,546	50,572	56,773	49,415	37,942	31,711	23,757	19,905	15,936	27,532
Alternative C	14,614	21,750	24,495	49,742	55,831	48,830	37,638	31,641	24,478	21,092	16,268	28,326
Difference	1,360	1,302	-1,051	-831	-942	-585	-304	-69	721	1,186	332	794
Percent Difference	10.3%	6.4%	-4.1%	-1.6%	-1.7%	-1.2%	-0.8%	-0.2%	3.0%	6.0%	2.1%	2.9%
Above Normal (15%)												
No Action Alternative	11,852	17,371	24,240	38,344	44,715	43,864	25,957	20,686	16,426	21,849	16,444	20,562
Alternative C	12,672	19,110	22,704	36,323	43,365	42,242	25,358	20,506	16,783	23,400	16,707	21,455
Difference	820	1,740	-1,535	-2,020	-1,350	-1,622	-599	-180	357	1,551	262	893
Percent Difference	6.9%	10.0%	-6.3%	-5.3%	-3.0%	-3.7%	-2.3%	-0.9%	2.2%	7.1%	1.6%	4.3%
Below Normal (17%)												
No Action Alternative	11,660	16,189	27,523	22,900	30,837	23,218	17,387	13,871	13,510	21,231	15,698	12,163
Alternative C	12,344	17,345	28,180	20,653	30,200	20,716	17,112	13,678	14,025	22,408	16,416	13,956
Difference	683	1,156	658	-2,247	-637	-2,503	-275	-193	515	1,177	718	1,793
Percent Difference	5.9%	7.1%	2.4%	-9.8%	-2.1%	-10.8%	-1.6%	-1.4%	3.8%	5.5%	4.6%	14.7%
Dry (22%)												
No Action Alternative	9,410	12,351	22,276	17,301	21,246	20,381	13,092	10,752	12,410	19,039	15,709	11,163
Alternative C	9,381	13,342	22,545	16,433	19,814	17,628	12,788	10,794	12,696	20,338	17,929	13,220
Difference	-29	991	269	-868	-1,432	-2,753	-304	42	286	1,299	2,221	2,057
Percent Difference	-0.3%	8.0%	1.2%	-5.0%	-6.7%	-13.5%	-2.3%	0.4%	2.3%	6.8%	14.1%	18.4%
Critical (15%)												
No Action Alternative	7,492	7,764	12,634	14,417	14,795	13,062	10,180	7,679	10,009	14,221	9,766	8,216
Alternative C	8,012	8,021	12,247	14,310	13,896	12,696	10,293	7,792	10,171	15,074	12,248	8,908
Difference	519	256	-388	-107	-899	-366	113	112	162	853	2,482	692
Percent Difference	6.9%	3.3%	-3.1%	-0.7%	-6.1%	-2.8%	1.1%	1.5%	1.6%	6.0%	25.4%	8.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-30-7b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

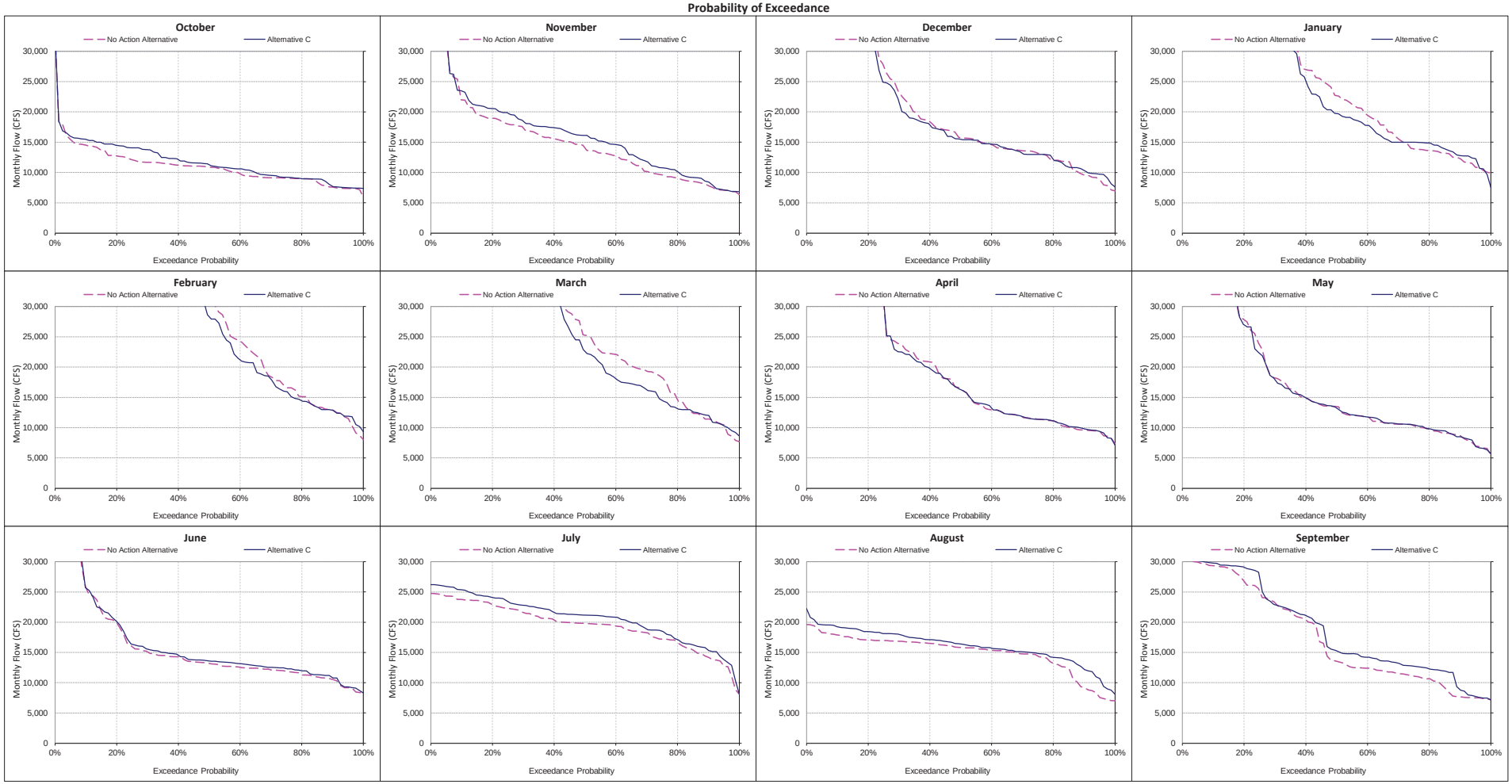

Table SW-30-7b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,212	33,728	516	1.6%
1.2%	18,350	18,529	179	1.0%
2.5%	17,907	16,874	-1,034	-5.8%
3.7%	16,142	16,555	412	2.6%
4.9%	15,513	16,001	489	3.1%
6.2%	14,917	15,717	800	5.4%
7.4%	14,692	15,657	965	6.6%
8.6%	14,649	15,529	880	6.0%
9.9%	14,537	15,495	958	6.6%
11.1%	14,364	15,299	935	6.5%
12.3%	14,328	15,294	966	6.7%
13.6%	14,144	14,982	839	5.9%
14.8%	13,736	14,976	1,240	9.0%
16.0%	13,710	14,718	1,008	7.4%
17.3%	12,820	14,702	1,882	14.7%
18.5%	12,813	14,695	1,882	14.7%
19.8%	12,788	14,505	1,716	13.4%
21.0%	12,667	14,417	1,751	13.8%
22.2%	12,610	14,373	1,763	14.0%
23.5%	12,416	14,133	1,717	13.8%
24.7%	12,162	14,090	1,928	15.9%
25.9%	11,959	14,086	2,126	17.8%
27.2%	11,786	14,060	2,273	19.3%
28.4%	11,717	13,837	2,120	18.1%
29.6%	11,694	13,777	2,083	17.8%
30.9%	11,685	13,724	2,039	17.5%
32.1%	11,683	13,379	1,697	14.5%
33.3%	11,660	13,249	1,589	13.6%
34.6%	11,546	12,491	945	8.2%
35.8%	11,474	12,486	1,012	8.8%
37.0%	11,445	12,312	867	7.6%
38.3%	11,321	12,298	977	8.6%
39.5%	11,221	12,292	1,071	9.5%
40.7%	11,178	11,895	716	6.4%
42.0%	11,112	11,894	782	7.0%
43.2%	11,079	11,626	547	4.9%
44.4%	11,064	11,605	542	4.9%
45.7%	11,046	11,603	557	5.0%
46.9%	11,042	11,513	471	4.3%
48.1%	10,994	11,485	491	4.5%
49.4%	10,912	11,420	508	4.7%
50.6%	10,864	11,109	245	2.3%
51.9%	10,830	11,000	170	1.6%
53.1%	10,691	10,908	216	2.0%
54.3%	10,677	10,849	172	1.6%
55.6%	10,393	10,802	409	3.9%
56.8%	10,197	10,720	523	5.1%
58.0%	10,025	10,646	622	6.2%
59.3%	10,023	10,603	580	5.8%
60.5%	9,637	10,579	942	9.8%
61.7%	9,436	10,417	981	10.4%
63.0%	9,414	10,403	989	10.5%
64.2%	9,341	10,166	825	8.8%
65.4%	9,323	9,879	555	6.0%
66.7%	9,188	9,664	476	5.2%
67.9%	9,186	9,631	446	4.9%
69.1%	9,147	9,547	400	4.4%
70.4%	9,139	9,490	350	3.8%
71.6%	9,135	9,469	335	3.7%
72.8%	9,115	9,278	163	1.8%
74.1%	9,069	9,218	150	1.7%
75.3%	9,068	9,204	136	1.5%
76.5%	9,036	9,156	121	1.3%
77.8%	9,017	9,088	71	0.8%
79.0%	8,983	9,069	86	1.0%
80.2%	8,977	8,983	6	0.1%
81.5%	8,943	8,954	11	0.1%
82.7%	8,922	8,943	21	0.2%
84.0%	8,882	8,933	51	0.6%
85.2%	8,352	8,907	555	6.7%
86.4%	7,916	8,862	946	12.0%
87.7%	7,840	8,535	694	8.9%
88.9%	7,622	8,031	409	5.4%
90.1%	7,565	7,657	91	1.2%
91.4%	7,440	7,633	193	2.6%
92.6%	7,399	7,559	160	2.2%
93.8%	7,382	7,532	149	2.0%
95.1%	7,359	7,443	83	1.1%
96.3%	7,352	7,441	89	1.2%
97.5%	7,346	7,435	89	1.2%
98.8%	7,161	7,426	264	3.7%
100.0%	5,863	7,352	1,489	25.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,763	54,567	-196	-0.4%
1.2%	48,632	47,771	-862	-1.8%
2.5%	47,723	47,067	-656	-1.4%
3.7%	36,344	34,022	-2,322	-6.4%
4.9%	32,307	34,010	1,703	5.3%
6.2%	26,852	26,330	-522	-1.9%
7.4%	25,711	26,226	515	2.0%
8.6%	25,440	23,559	-1,881	-7.4%
9.9%	21,980	23,513	1,533	7.0%
11.1%	21,952	23,238	1,286	5.9%
12.3%	20,765	21,918	1,153	5.6%
13.6%	20,678	21,281	603	2.9%
14.8%	19,554	21,102	1,548	7.9%
16.0%	19,449	21,035	1,586	8.2%
17.3%	19,204	20,889	1,685	8.8%
18.5%	18,984	20,624	1,640	8.6%
19.8%	18,966	20,574	1,608	8.5%
21.0%	18,912	20,531	1,619	8.6%
22.2%	18,699	20,065	1,366	7.3%
23.5%	18,322	19,884	1,562	8.5%
24.7%	18,041	19,880	1,839	10.2%
25.9%	17,896	19,543	1,647	9.2%
27.2%	17,883	19,493	1,609	9.0%
28.4%	17,684	18,840	1,156	6.5%
29.6%	17,573	18,643	1,071	6.1%
30.9%	16,850	18,084	1,234	7.3%
32.1%	16,836	18,069	1,233	7.3%
33.3%	16,696	17,726	1,030	6.2%
34.6%	16,388	17,641	1,254	7.6%
35.8%	16,010	17,584	1,574	9.8%
37.0%	15,777	17,581	1,804	11.4%
38.3%	15,772	17,470	1,698	10.8%
39.5%	15,637	17,408	1,771	11.3%
40.7%	15,475	17,347	1,872	12.1%
42.0%	15,325	17,258	1,933	12.6%
43.2%	15,174	16,981	1,806	11.9%
44.4%	15,124	16,688	1,564	10.3%
45.7%	14,977	16,438	1,461	9.8%
46.9%	14,644	16,233	1,589	10.9%
48.1%	14,640	16,171	1,531	10.5%
49.4%	14,480	16,120	1,640	11.3%
50.6%	13,637	16,119	2,482	18.2%
51.9%	13,590	15,681	2,091	15.4%
53.1%	13,589	15,622	2,033	15.0%
54.3%	13,238	15,217	1,979	14.9%
55.6%	13,181	15,160	1,979	15.0%
56.8%	13,134	15,011	1,877	14.3%
58.0%	12,973	14,689	1,717	13.2%
59.3%	12,828	14,676	1,847	14.4%
60.5%	12,632	14,590	1,958	15.5%
61.7%	12,185	14,470	2,285	18.7%
63.0%	12,096	13,987	1,890	15.6%
64.2%	12,010	12,963	953	7.9%
65.4%	11,482	12,930	1,448	12.6%
66.7%	11,153	12,572	1,418	12.7%
67.9%	11,146	12,172	1,025	9.2%
69.1%	10,229	11,980	1,751	17.1%
70.4%	10,125	11,743	1,618	16.0%
71.6%	9,885	11,113	1,228	12.4%
72.8%	9,803	11,000	1,197	12.2%
74.1%	9,688	10,818	1,131	11.7%
75.3%	9,606	10,766	1,161	12.1%
76.5%	9,310	10,688	1,379	14.8%
77.8%	9,287	10,529	1,242	13.4%
79.0%	9,185	10,465	1,280	13.9%
80.2%	9,031	10,070	1,039	11.5%
81.5%	8,798	9,545	748	8.5%
82.7%	8,688	9,346	658	7.6%
84.0%	8,551	9,214	663	7.8%
85.2%	8,503	9,174	671	7.9%
86.4%	8,400	9,133	733	8.7%
87.7%	8,264	9,065	801	9.7%
88.9%	8,119	8,586	467	5.7%
90.1%	7,805	8,410	605	7.8%
91.4%	7,533	7,901	368	4.9%
92.6%	7,145	7,325	180	2.5%
93.8%	7,120	7,241	121	1.7%
95.1%	7,082	7,118	36	0.5%
96.3%	7,049	7,032	-17	-0.2%
97.5%	6,855	6,872	17	0.3%
98.8%	6,813	6,855	42	0.6%
100.0%	6,366	6,813	447	7.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,489	76,501	12	0.0%
1.2%	75,125	74,445	-680	-0.9%
2.5%	68,512	67,029	-1,483	-2.2%
3.7%	59,837	59,601	-236	-0.4%
4.9%	58,803	58,062	-742	-1.3%
6.2%	57,819	57,842	23	0.0%
7.4%	50,471	50,116	-355	-0.7%
8.6%	50,174	50,098	-76	-0.2%
9.9%	49,883	48,721	-1,162	-2.3%
11.1%	48,142	45,342	-2,799	-5.8%
12.3%	44,746	44,622	-124	-0.3%
13.6%	43,136	39,061	-4,076	-9.4%
14.8%	40,947	38,619	-2,328	-5.7%
16.0%	36,716	38,064	1,349	3.7%
17.3%	35,122	37,429	2,307	6.6%
18.5%	35,094	35,062	-32	-0.1%
19.8%	34,892	34,090	-802	-2.3%
21.0%	33,741	30,917	-2,824	-8.4%
22.2%	33,340	30,165	-3,175	-9.5%
23.5%	28,805	26,844	-1,960	-6.8%
24.7%	27,965	24,930	-3,035	-10.9%
25.9%	26,446	24,785	-1,661	-6.3%
27.2%	25,448	24,438	-1,011	-4.0%
28.4%	25,085	23,567	-1,518	-6.1%
29.6%	23,520	22,175	-1,345	-5.7%
30.9%	22,606	20,068	-2,538	-11.2%
32.1%	21,894	19,782	-2,112	-9.6%
33.3%	21,312	19,012	-2,300	-10.8%
34.6%	20,108	18,923	-1,184	-5.9%
35.8%	19,786	18,666	-1,120	-5.7%
37.0%	18,861	18,385	-475	-2.5%
38.3%	18,738	18,228	-510	-2.7%
39.5%	18,586	18,111	-475	-2.6%
40.7%	18,043	17,403	-640	-3.5%
42.0%	17,439	17,276	-164	-0.9%
43.2%	17,299	17,104	-196	-1.1%
44.4%	17,088	16,974	-114	-0.7%
45.7%	16,984	15,964	-1,020	-6.0%
46.9%	16,891	15,952	-938	-5.6%
48.1%	16,681	15,582	-1,100	-6.6%
49.4%	15,797	15,522	-275	-1.7%
50.6%	15,705	15,431	-274	-1.7%
51.9%	15,647	15,419	-229	-1.5%
53.1%	15,640	15,410	-230	-1.5%
54.3%	15,511	15,330	-181	-1.2%
55.6%	15,058	15,315	257	1.7%
56.8%	14,972	14,805	-167	-1.1%
58.0%	14,733	14,729	-4	0.0%
59.3%	14,685	14,728	43	0.3%
60.5%	14,492	14,643	151	1.0%
61.7%	14,083	14,611	528	3.7%
63.0%	14,042	14,233	191	1.4%
64.2%	13,932	14,133	201	1.4%
65.4%	13,864	13,859	-5	0.0%
66.7%	13,823	13,829	6	0.0%
67.9%	13,754	13,620	-134	-1.0%
69.1%	13,668	13,436	-232	-1.7%
70.4%	13,589	13,016	-573	-4.2%
71.6%	13,560	13,000	-560	-4.1%
72.8%	13,520	13,000	-520	-3.8%
74.1%	13,352	13,000	-352	-2.6%
75.3%	13,114	13,000	-114	-0.9%
76.5%	13,057	13,000	-57	-0.4%
77.8%	12,807	12,934	127	1.0%
79.0%	12,175	12,841	666	5.5%
80.2%	12,006	11,983	-23	-0.2%
81.5%	12,000	11,893	-108	-0.9%
82.7%	11,872	11,637	-235	-2.0%
84.0%	11,808	11,087	-721	-6.1%
85.2%	11,788	10,832	-955	-8.1%
86.4%	10,279	10,812	533	5.2%
87.7%	10,171	10,811	640	6.3%
88.9%	9,789	10,658	869	8.9%
90.1%	9,556	10,286	730	7.6%
91.4%	9,509	9,944	435	4.6%
92.6%	9,208	9,834	626	6.8%
93.8%	9,182	9,802	620	6.8%
95.1%	8,808	9,699	890	10.1%
96.3%	7,937	9,691	1,754	22.1%
97.5%	7,822	9,078	1,256	16.1%
98.8%	7,126	8,146	1,020	14.3%
100.0%	6,971	7,639	668	9.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,316	78,438	122	0.2%
1.2%	77,247	77,225	-22	0.0%
2.5%	75,332	74,712	-620	-0.8%
3.7%	72,573	72,576	2	0.0%
4.9%	71,030	70,503	-527	-0.7%
6.2%	68,845	66,694	-2,151	-3.1%
7.4%	65,650	64,769	-881	-1.3%
8.6%	63,413	63,239	-174	-0.3%
9.9%	62,803	63,171	367	0.6%
11.1%	62,334	61,767	-567	-0.9%
12.3%	59,310	57,529	-1,781	-3.0%
13.6%	59,032	57,241	-1,791	-3.0%
14.8%	58,905	56,974	-1,932	-3.3%
16.0%	58,818	56,822	-1,997	-3.4%
17.3%	57,654	56,333	-1,321	-2.3%
18.5%	57,044	56,086	-958	-1.7%
19.8%	55,526	53,915	-1,611	-2.9%
21.0%	55,426	52,342	-3,084	-5.6%
22.2%	48,644	47,307	-1,336	-2.7%
23.5%	47,302	47,087	-215	-0.5%
24.7%	47,151	46,295	-856	-1.8%
25.9%	46,352	43,258	-3,094	-6.7%
27.2%	45,303	42,352	-2,951	-6.5%
28.4%	42,952	40,878	-2,074	-4.8%
29.6%	42,725	38,704	-4,021	-9.4%
30.9%	38,697	37,496	-1,201	-3.1%
32.1%	38,364	35,402	-2,962	-7.7%
33.3%	37,060	34,961	-2,099	-5.7%
34.6%	37,027	34,090	-2,937	-7.9%
35.8%	31,603	30,266	-1,337	-4.2%
37.0%	30,867	29,619	-1,247	-4.0%
38.3%	27,819	26,268	-1,551	-5.6%
39.5%	27,034	25,788	-1,246	-4.6%
40.7%	26,887	24,167	-2,719	-10.1%
42.0%	26,847	22,934	-3,913	-14.6%
43.2%	25,673	22,893	-2,780	-10.8%
44.4%	25,568	22,472	-3,096	-12.1%
45.7%	24,969	20,851	-4,118	-16.5%
46.9%	24,568	20,372	-4,196	-17.1%
48.1%	24,081	20,367	-3,714	-15.4%
49.4%	22,735	19,773	-2,962	-13.0%
50.6%	22,602	19,689	-2,912	-12.9%
51.9%	22,060	19,277	-2,784	-12.6%
53.1%	21,932	19,113	-2,820	-12.9%
54.3%	21,546	19,081	-2,466	-11.4%
55.6%	21,036	18,730	-2,306	-11.0%
56.8%	20,692	18,557	-2,135	-10.3%
58.0%	20,585	18,301	-2,284	-11.1%
59.3%	19,741	17,799	-1,942	-9.8%
60.5%	19,247	17,742	-1,505	-7.8%
61.7%	18,873	17,157	-1,716	-9.1%
63.0%	18,792	16,444	-2,348	-12.5%
64.2%	17,848	16,118	-1,730	-9.7%
65.4%	17,840	15,627	-2,214	-12.4%
66.7%	16,706	15,367	-1,338	-8.0%
67.9%	16,628	15,000	-1,628	-9.8%
69.1%	15,896	15,000	-896	-5.6%
70.4%	15,400	15,000	-400	-2.6%
71.6%	15,010	15,000	-10	-0.1%
72.8%	14,785	15,000	215	1.5%
74.1%	13,975	15,000	1,025	7.3%
75.3%	13,843	15,000	1,157	8.4%
76.5%	13,810	15,000	1,190	8.6%
77.8%	13,782	14,917	1,135	8.2%
79.0%	13,646	14,888	1,242	9.1%
80.2%	13,610	14,866	1,256	9.2%
81.5%	13,566	14,543	976	7.2%
82.7%	13,475	14,492	1,017	7.5%
84.0%	13,224	14,113	888	6.7%
85.2%	13,186	13,850	664	5.0%
86.4%	13,092	13,608	517	3.9%
87.7%	12,531	13,407	876	7.0%
88.9%	12,527	12,901	374	3.0%
90.1%	12,253	12,783	529	4.3%
91.4%	11,711	12,751	1,040	8.9%
92.6%	11,650	12,746	1,097	9.4%
93.8%	11,505	12,392	887	7.7%
95.1%	10,867	12,275	1,408	13.0%
96.3%	10,789	10,697	-92	-0.8%
97.5%	10,352	10,587	235	2.3%
98.8%	10,045	9,624	-421	-4.2%
100.0%	9,884	7,445	-2,439	-24.7%

Table SW-30-7b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,122	77,119	-3	0.0%
1.2%	74,425	74,838	412	0.6%
2.5%	73,987	74,425	438	0.6%
3.7%	72,274	72,062	-213	-0.3%
4.9%	70,946	70,515	-431	-0.6%
6.2%	70,019	69,881	-138	-0.2%
7.4%	69,393	68,912	-480	-0.7%
8.6%	68,757	68,762	4	0.0%
9.9%	68,417	67,810	-606	-0.9%
11.1%	67,622	66,912	-709	-1.0%
12.3%	66,930	66,510	-420	-0.6%
13.6%	65,626	64,593	-1,033	-1.6%
14.8%	64,719	64,460	-259	-0.4%
16.0%	62,473	62,488	15	0.0%
17.3%	62,102	61,678	-424	-0.7%
18.5%	61,746	60,964	-782	-1.3%
19.8%	60,900	60,901	1	0.0%
21.0%	59,604	60,678	1,074	1.8%
22.2%	59,068	58,123	-945	-1.6%
23.5%	58,970	57,823	-1,147	-1.9%
24.7%	57,116	57,608	492	0.9%
25.9%	52,164	52,442	278	0.5%
27.2%	51,908	51,676	-233	-0.4%
28.4%	50,694	48,842	-1,851	-3.7%
29.6%	49,066	46,768	-2,298	-4.7%
30.9%	48,591	46,699	-1,892	-3.9%
32.1%	48,309	45,536	-2,773	-5.7%
33.3%	47,872	45,360	-2,512	-5.2%
34.6%	47,835	44,451	-3,385	-7.1%
35.8%	46,794	43,527	-3,267	-7.0%
37.0%	45,191	43,351	-1,840	-4.1%
38.3%	43,657	43,046	-611	-1.4%
39.5%	43,618	42,367	-1,251	-2.9%
40.7%	42,296	41,683	-612	-1.4%
42.0%	42,199	39,842	-2,357	-5.6%
43.2%	39,327	39,335	8	0.0%
44.4%	36,325	34,231	-2,093	-5.8%
45.7%	34,877	32,132	-2,745	-7.9%
46.9%	34,268	31,693	-2,575	-7.5%
48.1%	33,715	30,968	-2,747	-8.1%
49.4%	33,690	28,665	-5,025	-14.9%
50.6%	32,667	27,956	-4,711	-14.4%
51.9%	30,188	27,922	-2,266	-7.5%
53.1%	29,101	27,258	-1,843	-6.3%
54.3%	28,636	25,474	-3,162	-11.0%
55.6%	27,112	24,480	-2,632	-9.7%
56.8%	25,138	24,002	-1,135	-4.5%
58.0%	24,731	22,144	-2,587	-10.5%
59.3%	24,460	21,487	-2,973	-12.2%
60.5%	24,106	20,976	-3,130	-13.0%
61.7%	23,498	20,815	-2,682	-11.4%
63.0%	22,884	20,737	-2,147	-9.4%
64.2%	22,302	20,732	-1,570	-7.0%
65.4%	21,823	19,079	-2,744	-12.6%
66.7%	21,408	18,892	-2,516	-11.8%
67.9%	19,649	18,591	-1,058	-5.4%
69.1%	18,623	18,533	-90	-0.5%
70.4%	18,286	17,742	-544	-3.0%
71.6%	17,809	16,745	-1,064	-6.0%
72.8%	17,773	16,365	-1,408	-7.9%
74.1%	17,049	16,035	-1,014	-5.9%
75.3%	16,598	15,924	-674	-4.1%
76.5%	16,575	15,130	-1,445	-8.7%
77.8%	16,247	14,815	-1,432	-8.8%
79.0%	15,184	14,708	-475	-3.1%
80.2%	15,101	14,381	-720	-4.8%
81.5%	15,098	14,309	-789	-5.2%
82.7%	13,987	14,046	58	0.4%
84.0%	13,687	13,614	-72	-0.5%
85.2%	13,389	13,379	-10	-0.1%
86.4%	13,359	13,000	-359	-2.7%
87.7%	13,081	13,000	-81	-0.6%
88.9%	13,017	13,000	-17	-0.1%
90.1%	12,887	12,853	-33	-0.3%
91.4%	12,459	12,418	-41	-0.3%
92.6%	12,381	12,353	-28	-0.2%
93.8%	11,809	11,903	94	0.8%
95.1%	11,524	11,898	374	3.2%
96.3%	10,286	11,832	1,546	15.0%
97.5%	9,135	10,496	1,361	14.9%
98.8%	8,694	10,195	1,501	17.3%
100.0%	8,005	9,286	1,282	16.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,595	81,595	0	0.0%
1.2%	77,524	77,592	68	0.1%
2.5%	72,447	72,450	3	0.0%
3.7%	70,875	70,259	-616	-0.9%
4.9%	68,126	68,127	1	0.0%
6.2%	67,712	67,623	-89	-0.1%
7.4%	67,633	66,840	-793	-1.2%
8.6%	66,279	66,825	546	0.8%
9.9%	61,320	61,322	2	0.0%
11.1%	61,114	60,591	-523	-0.9%
12.3%	60,631	60,456	-175	-0.3%
13.6%	59,153	57,979	-1,173	-2.0%
14.8%	57,369	57,364	-5	0.0%
16.0%	57,351	57,346	-5	0.0%
17.3%	54,792	54,730	-61	-0.1%
18.5%	54,728	53,008	-1,721	-3.1%
19.8%	52,800	52,139	-662	-1.3%
21.0%	48,495	48,363	-133	-0.3%
22.2%	47,746	47,322	-424	-0.9%
23.5%	46,957	46,957	0	0.0%
24.7%	44,695	45,040	345	0.8%
25.9%	44,518	43,329	-1,189	-2.7%
27.2%	43,310	40,531	-2,779	-6.4%
28.4%	42,981	40,517	-2,464	-5.7%
29.6%	41,569	38,257	-3,312	-8.0%
30.9%	41,529	37,569	-3,960	-9.5%
32.1%	40,468	35,022	-5,446	-13.5%
33.3%	37,756	34,102	-3,654	-9.7%
34.6%	36,262	33,557	-2,705	-7.5%
35.8%	34,599	33,431	-1,168	-3.4%
37.0%	34,057	33,305	-752	-2.2%
38.3%	33,906	32,863	-1,042	-3.1%
39.5%	33,591	32,264	-1,327	-3.9%
40.7%	32,400	32,109	-291	-0.9%
42.0%	32,231	30,157	-2,075	-6.4%
43.2%	29,812	27,911	-1,901	-6.4%
44.4%	29,160	26,716	-2,444	-8.4%
45.7%	28,800	25,405	-3,396	-11.8%
46.9%	27,904	24,491	-3,412	-12.2%
48.1%	27,674	24,487	-3,186	-11.5%
49.4%	25,330	22,905	-2,424	-9.6%
50.6%	25,195	22,241	-2,955	-11.7%
51.9%	24,912	22,064	-2,848	-11.4%
53.1%	23,704	21,647	-2,057	-8.7%
54.3%	22,895	20,957	-1,938	-8.5%
55.6%	22,381	20,382	-1,999	-8.9%
56.8%	22,260	19,034	-3,226	-14.5%
58.0%	22,237	18,765	-3,472	-15.6%
59.3%	22,164	18,386	-3,778	-17.0%
60.5%	22,007	17,884	-4,123	-18.7%
61.7%	21,284	17,507	-3,778	-17.7%
63.0%	20,973	17,410	-3,563	-17.0%
64.2%	20,169	17,320	-2,850	-14.1%
65.4%	20,110	17,202	-2,908	-14.5%
66.7%	19,859	17,051	-2,808	-14.1%
67.9%	19,662	16,943	-2,719	-13.8%
69.1%	19,559	16,601	-2,958	-15.1%
70.4%	19,251	16,120	-3,131	-16.3%
71.6%	19,209	16,059	-3,151	-16.4%
72.8%	18,946	15,931	-3,015	-15.9%
74.1%	18,584	14,777	-3,807	-20.5%
75.3%	18,122	14,399	-3,723	-20.5%
76.5%	17,186	14,136	-3,049	-17.7%
77.8%	15,614	13,496	-2,118	-13.6%
79.0%	15,612	13,408	-2,204	-14.1%
80.2%	14,333	13,076	-1,257	-8.8%
81.5%	14,310	13,000	-1,310	-9.2%
82.7%	13,350	13,000	-350	-2.6%
84.0%	12,745	13,000	255	2.0%
85.2%	12,354	12,552	198	1.6%
86.4%	12,353	12,498	144	1.2%
87.7%	12,069	12,268	199	1.6%
88.9%	11,442	12,093	651	5.7%
90.1%	11,416	12,026	610	5.3%
91.4%	11,248	10,881	-368	-3.3%
92.6%	10,976	10,811	-165	-1.5%
93.8%	10,572	10,677	105	1.0%
95.1%	10,470	10,316	-154	-1.5%
96.3%	8,902	10,026	1,124	12.6%
97.5%	8,576	9,512	936	10.9%
98.8%	7,910	9,219	1,309	16.6%
100.0%	7,690	8,625	935	12.2%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,146	72,146	0	0.0%
1.2%	67,580	67,579	-1	0.0%
2.5%	64,636	64,643	7	0.0%
3.7%	56,997	56,997	0	0.0%
4.9%	56,147	56,150	3	0.0%
6.2%	54,491	54,484	-6	0.0%
7.4%	54,373	53,510	-864	-1.6%
8.6%	53,515	52,701	-814	-1.5%
9.9%	50,373	49,957	-416	-0.8%
11.1%	49,947	47,620	-2,327	-4.7%
12.3%	45,464	45,457	-7	0.0%
13.6%	42,659	41,943	-715	-1.7%
14.8%	42,165	40,977	-1,188	-2.8%
16.0%	41,937	39,743	-2,194	-5.2%
17.3%	40,385	39,279	-1,107	-2.7%
18.5%	39,697	38,803	-894	-2.3%
19.8%	38,814	37,084	-1,730	-4.5%
21.0%	37,664	35,014	-2,651	-7.0%
22.2%	34,656	34,659	3	0.0%
23.5%	34,069	33,125	-944	-2.8%
24.7%	33,032	32,716	-315	-1.0%
25.9%	25,170	25,155	-16	-0.1%
27.2%	24,542	25,143	601	2.4%
28.4%	24,339	22,953	-1,386	-5.7%
29.6%	23,920	22,525	-1,395	-5.8%
30.9%	23,745	22,477	-1,267	-5.3%
32.1%	22,919	22,113	-806	-3.5%
33.3%	22,524	22,057	-468	-2.1%
34.6%	22,471	21,439	-1,032	-4.6%
35.8%	21,470	20,893	-577	-2.7%
37.0%	21,047	20,758	-290	-1.4%
38.3%	20,970	20,157	-813	-3.9%
39.5%	20,915	19,919	-996	-4.8%
40.7%	20,793	19,456	-1,337	-6.4%
42.0%	20,067	19,029	-1,038	-5.2%
43.2%	18,611	18,970	359	1.9%
44.4%	18,115	18,223	108	0.6%
45.7%	18,102	17,999	-103	-0.6%
46.9%	18,013	17,271	-742	-4.1%
48.1%	16,748	16,812	63	0.4%
49.4%	16,614	16,408	-206	-1.2%
50.6%	16,145	16,145	0	0.0%
51.9%	15,772	15,764	-8	-0.1%
53.1%	14,837	14,904	67	0.5%
54.3%	14,092	14,186	94	0.7%
55.6%	13,860	14,094	234	1.7%
56.8%	13,744	13,985	241	1.8%
58.0%	13,150	13,874	724	5.5%
59.3%	12,995	13,666	671	5.2%
60.5%	12,950	12,952	3	0.0%
61.7%	12,926	12,905	-21	-0.2%
63.0%	12,658	12,710	52	0.4%
64.2%	12,281	12,296	15	0.1%
65.4%	12,214	12,245	31	0.3%
66.7%	12,202	12,216	14	0.1%
67.9%	12,116	12,090	-26	-0.2%
69.1%	11,999	11,986	-13	-0.1%
70.4%	11,626	11,772	147	1.3%
71.6%	11,623	11,578	-46	-0.4%
72.8%	11,509	11,464	-46	-0.4%
74.1%	11,467	11,396	-72	-0.6%
75.3%	11,358	11,384	26	0.2%
76.5%	11,335	11,349	15	0.1%
77.8%	11,185	11,344	159	1.4%
79.0%	11,172	11,223	51	0.5%
80.2%	11,092	11,099	7	0.1%
81.5%	10,842	10,793	-50	-0.5%
82.7%	10,290	10,689	399	3.9%
84.0%	10,227	10,470	243	2.4%
85.2%	9,998	10,175	177	1.8%
86.4%	9,950	10,117	167	1.7%
87.7%	9,732	10,105	373	3.8%
88.9%	9,613	9,989	376	3.9%
90.1%	9,613	9,789	176	1.8%
91.4%	9,554	9,689	135	1.4%
92.6%	9,487	9,612	125	1.3%
93.8%	9,481	9,556	75	0.8%
95.1%	9,388	9,391	3	0.0%
96.3%	8,671	9,115	444	5.1%
97.5%	8,596	8,322	-274	-3.2%
98.8%	8,259	8,260	1	0.0%
100.0%	7,379	7,126	-254	-3.4%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,574	58,478	-96	-0.2%
1.2%	58,281	57,554	-726	-1.2%
2.5%	53,991	53,997	6	0.0%
3.7%	52,611	52,613	1	0.0%
4.9%	48,747	48,375	-372	-0.8%
6.2%	44,664	44,745	80	0.2%
7.4%	43,080	43,078	-2	0.0%
8.6%	42,723	42,616	-106	-0.2%
9.9%	41,705	41,705	0	0.0%
11.1%	40,915	40,859	-56	-0.1%
12.3%	38,953	38,901	-52	-0.1%
13.6%	38,441	38,767	326	0.8%
14.8%	38,212	38,328	116	0.3%
16.0%	31,737	32,702	964	3.0%
17.3%	31,247	31,741	495	1.6%
18.5%	28,233	28,226	-6	0.0%
19.8%	27,921	27,062	-860	-3.1%
21.0%	27,469	26,647	-822	-3.0%
22.2%	26,047	26,621	574	2.2%
23.5%	25,550	23,053	-2,497	-9.8%
24.7%	23,997	22,415	-1,582	-6.6%
25.9%	22,916	21,882	-1,034	-4.5%
27.2%	20,355	20,323	-32	-0.2%
28.4%	18,655	18,635	-20	-0.1%
29.6%	18,237	18,168	-70	-0.4%
30.9%	18,092	17,328	-764	-4.2%
32.1%	17,722	17,128	-594	-3.4%
33.3%	17,328	16,533	-795	-4.6%
34.6%	16,417	16,419	2	0.0%
35.8%	16,312	15,722	-589	-3.6%
37.0%	15,727	15,539	-189	-1.2%
38.3%	15,101	15,461	360	2.4%
39.5%	14,992	15,065	73	0.5%
40.7%	14,743	14,744	1	0.0%
42.0%	14,340	14,342	2	0.0%
43.2%	14,171	14,139	-32	-0.2%
44.4%	13,843	13,951	108	0.8%
45.7%	13,609	13,847	238	1.7%
46.9%	13,551	13,638	87	0.6%
48.1%	13,538	13,612	75	0.6%
49.4%	13,537	13,433	-104	-0.8%
50.6%	13,433	13,040	-392	-2.9%
51.9%	12,438	12,551	113	0.9%
53.1%	12,162	12,449	286	2.4%
54.3%	12,053	12,163	110	0.9%
55.6%	12,046	12,097	51	0.4%
56.8%	11,988	11,996	8	0.1%
58.0%	11,932	11,931	0	0.0%
59.3%	11,731	11,802	71	0.6%
60.5%	11,699	11,734	35	0.3%
61.7%	11,064	11,701	637	5.8%
63.0%	11,039	11,567	528	4.8%
64.2%	10,978	11,226	248	2.3%
65.4%	10,847	10,766	-80	-0.7%
66.7%	10,775	10,756	-19	-0.2%
67.9%	10,616	10,746	130	1.2%
69.1%	10,605	10,672	66	0.6%
70.4%	10,585	10,618	33	0.3%
71.6%	10,575	10,598	24	0.2%
72.8%	10,545	10,544	-1	0.0%
74.1%	10,539	10,494	-46	-0.4%
75.3%	10,247	10,442	195	1.9%
76.5%	10,042	10,249	206	2.1%
77.8%	10,014	10,213	199	2.0%
79.0%	9,909	9,832	-77	-0.8%
80.2%	9,720	9,816	96	1.0%
81.5%	9,456	9,652	196	2.1%
82.7%	9,437	9,545	109	1.2%
84.0%	9,159	9,520	361	3.9%
85.2%	9,081	9,446	365	4.0%
86.4%	9,073	9,071	-2	0.0%
87.7%	8,895	8,899	3	0.0%
88.9%	8,850	8,522	-328	-3.7%
90.1%	8,649	8,501	-148	-1.7%
91.4%	8,150	8,306	156	1.9%
92.6%	7,865	8,142	277	3.5%
93.8%	7,569	7,948	379	5.0%
95.1%	6,982	6,850	-132	-1.9%
96.3%	6,854	6,673	-182	-2.6%
97.5%	6,658	6,556	-102	-1.5%
98.8%	6,588	6,312	-275	-4.2%
100.0%	5,458	5,698	240	4.4%

Table SW-30-7b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,036	60,942	-94	-0.2%
1.2%	50,918	50,931	14	0.0%
2.5%	37,741	38,708	967	2.6%
3.7%	37,471	38,687	1,217	3.2%
4.9%	35,750	38,164	2,414	6.8%
6.2%	34,962	35,431	469	1.3%
7.4%	34,150	34,625	474	1.4%
8.6%	29,402	30,469	1,067	3.6%
9.9%	25,914	25,686	-228	-0.9%
11.1%	24,469	25,224	756	3.1%
12.3%	24,357	24,166	-191	-0.8%
13.6%	23,671	22,500	-1,171	-4.9%
14.8%	22,031	22,304	274	1.2%
16.0%	20,775	21,740	965	4.6%
17.3%	20,496	21,524	1,029	5.0%
18.5%	20,432	20,807	375	1.8%
19.8%	20,174	20,257	84	0.4%
21.0%	19,096	19,591	496	2.6%
22.2%	18,057	18,531	474	2.6%
23.5%	16,492	17,224	732	4.4%
24.7%	16,080	16,387	307	1.9%
25.9%	15,574	16,214	640	4.1%
27.2%	15,564	16,059	495	3.2%
28.4%	15,304	16,026	722	4.7%
29.6%	15,229	15,598	368	2.4%
30.9%	14,821	15,427	606	4.1%
32.1%	14,790	15,315	524	3.5%
33.3%	14,530	15,284	753	5.2%
34.6%	14,510	14,997	487	3.4%
35.8%	14,501	14,965	464	3.2%
37.0%	14,350	14,851	501	3.5%
38.3%	14,309	14,797	488	3.4%
39.5%	14,299	14,728	428	3.0%
40.7%	14,295	14,295	0	0.0%
42.0%	13,800	14,266	466	3.4%
43.2%	13,525	13,829	305	2.3%
44.4%	13,506	13,786	280	2.1%
45.7%	13,428	13,773	345	2.6%
46.9%	13,363	13,760	397	3.0%
48.1%	13,310	13,712	402	3.0%
49.4%	13,286	13,639	353	2.7%
50.6%	13,133	13,564	430	3.3%
51.9%	13,064	13,544	480	3.7%
53.1%	12,975	13,483	508	3.9%
54.3%	12,727	13,420	693	5.4%
55.6%	12,718	13,381	663	5.2%
56.8%	12,683	13,318	635	5.0%
58.0%	12,674	13,265	591	4.7%
59.3%	12,600	13,158	558	4.4%
60.5%	12,473	13,133	660	5.3%
61.7%	12,458	13,059	600	4.8%
63.0%	12,422	12,949	527	4.2%
64.2%	12,422	12,898	476	3.8%
65.4%	12,411	12,775	364	2.9%
66.7%	12,326	12,755	429	3.5%
67.9%	12,255	12,611	356	2.9%
69.1%	12,223	12,564	341	2.8%
70.4%	12,063	12,561	498	4.1%
71.6%	12,055	12,517	462	3.8%
72.8%	12,012	12,445	432	3.6%
74.1%	11,969	12,439	470	3.9%
75.3%	11,809	12,291	482	4.1%
76.5%	11,768	12,279	511	4.3%
77.8%	11,707	12,139	432	3.7%
79.0%	11,670	12,074	404	3.5%
80.2%	11,281	11,958	677	6.0%
81.5%	11,277	11,955	678	6.0%
82.7%	11,253	11,462	209	1.9%
84.0%	11,028	11,335	307	2.8%
85.2%	10,959	11,334	374	3.4%
86.4%	10,829	11,287	458	4.2%
87.7%	10,773	11,201	428	4.0%
88.9%	10,708	11,197	489	4.6%
90.1%	10,501	10,788	286	2.7%
91.4%	10,302	10,784	482	4.7%
92.6%	9,508	9,677	169	1.8%
93.8%	9,194	9,334	140	1.5%
95.1%	9,170	9,294	124	1.4%
96.3%	9,086	9,195	110	1.2%
97.5%	8,484	9,092	608	7.2%
98.8%	8,372	8,705	334	4.0%
100.0%	8,321	8,324	3	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,756	26,230	1,474	6.0%
1.2%	24,741	26,229	1,489	6.0%
2.5%	24,631	26,142	1,511	6.1%
3.7%	24,568	26,047	1,479	6.0%
4.9%	24,314	25,903	1,589	6.5%
6.2%	24,306	25,822	1,516	6.2%
7.4%	24,265	25,793	1,528	6.3%
8.6%	23,778	25,409	1,631	6.9%
9.9%	23,768	25,359	1,591	6.7%
11.1%	23,696	25,271	1,575	6.6%
12.3%	23,693	24,994	1,301	5.5%
13.6%	23,593	24,806	1,213	5.1%
14.8%	23,591	24,495	904	3.8%
16.0%	23,560	24,441	880	3.7%
17.3%	23,347	24,306	959	4.1%
18.5%	23,328	24,261	933	4.0%
19.8%	22,977	24,114	1,136	4.9%
21.0%	22,663	24,004	1,341	5.9%
22.2%	22,570	23,992	1,423	6.3%
23.5%	22,387	23,891	1,503	6.7%
24.7%	22,360	23,520	1,160	5.2%
25.9%	22,219	23,170	951	4.3%
27.2%	22,141	23,023	882	4.0%
28.4%	22,018	22,912	893	4.1%
29.6%	21,673	22,829	1,155	5.3%
30.9%	21,469	22,769	1,300	6.1%
32.1%	21,409	22,586	1,177	5.5%
33.3%	21,083	22,575	1,492	7.1%
34.6%	21,002	22,391	1,389	6.6%
35.8%	20,650	22,295	1,645	8.0%
37.0%	20,622	22,192	1,570	7.6%
38.3%	20,618	22,114	1,496	7.3%
39.5%	20,562	21,729	1,167	5.7%
40.7%	20,118	21,421	1,303	6.5%
42.0%	20,025	21,397	1,372	6.9%
43.2%	19,989	21,374	1,385	6.9%
44.4%	19,972	21,318	1,346	6.7%
45.7%	19,926	21,298	1,372	6.9%
46.9%	19,872	21,267	1,396	7.0%
48.1%	19,816	21,235	1,419	7.2%
49.4%	19,816	21,191	1,375	6.9%
50.6%	19,770	21,159	1,389	7.0%
51.9%	19,750	21,143	1,393	7.1%
53.1%	19,702	21,138	1,436	7.3%
54.3%	19,661	21,085	1,425	7.2%
55.6%	19,640	21,059	1,419	7.2%
56.8%	19,627	20,944	1,318	6.7%
58.0%	19,584	20,903	1,319	6.7%
59.3%	19,458	20,828	1,370	7.0%
60.5%	19,327	20,798	1,472	7.6%
61.7%	19,286	20,478	1,192	6.2%
63.0%	18,822	20,373	1,552	8.2%
64.2%	18,716	20,109	1,393	7.4%
65.4%	18,530	19,897	1,367	7.4%
66.7%	18,518	19,881	1,363	7.4%
67.9%	18,401	19,444	1,044	5.7%
69.1%	18,334	19,144	810	4.4%
70.4%	18,242	18,738	497	2.7%
71.6%	17,669	18,701	1,032	5.8%
72.8%	17,453	18,690	1,237	7.1%
74.1%	17,239	18,673	1,434	8.3%
75.3%	17,183	18,451	1,268	7.4%
76.5%	17,172	18,003	831	4.8%
77.8%	17,064	17,864	799	4.7%
79.0%	17,051	17,309	258	1.5%
80.2%	16,499	17,064	565	3.4%
81.5%	16,091	16,598	507	3.2%
82.7%	15,817	16,427	610	3.9%
84.0%	15,686	16,387	700	4.5%
85.2%	15,332	16,212	880	5.7%
86.4%	14,880	16,040	1,161	7.8%
87.7%	14,851	15,909	1,058	7.1%
88.9%	14,410	15,820	1,409	9.8%
90.1%	14,157	15,320	1,163	8.2%
91.4%	13,786	15,162	1,376	10.0%
92.6%	13,770	15,142	1,373	10.0%
93.8%	13,581	14,351	770	5.7%
95.1%	12,713	13,786	1,073	8.4%
96.3%	12,650	13,324	673	5.3%
97.5%	11,020	12,888	1,869	17.0%
98.8%	8,850	10,348	1,498	16.9%
100.0%	8,127	8,160	33	0.4%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,624	22,272	2,648	13.5%
1.2%	19,564	20,802	1,238	6.3%
2.5%	19,420	20,403	983	5.1%
3.7%	18,899	19,673	774	4.1%
4.9%	18,293	19,604	1,311	7.2%
6.2%	18,225	19,550	1,325	7.3%
7.4%	18,080	19,547	1,467	8.1%
8.6%	18,024	19,495	1,470	8.2%
9.9%	17,917	19,263	1,346	7.5%
11.1%	17,796	19,106	1,310	7.4%
12.3%	17,626	19,101	1,475	8.4%
13.6%	17,616	18,994	1,379	7.8%
14.8%	17,413	18,938	1,525	8.8%
16.0%	17,347	18,913	1,566	9.0%
17.3%	17,156	18,715	1,559	9.1%
18.5%	17,115	18,451	1,336	7.8%
19.8%	17,065	18,447	1,382	8.1%
21.0%	17,057	18,409	1,352	7.9%
22.2%	16,973	18,349	1,375	8.1%
23.5%	16,962	18,343	1,381	8.1%
24.7%	16,958	18,128	1,170	6.9%
25.9%	16,957	18,115	1,158	6.8%
27.2%	16,914	18,109	1,195	7.1%
28.4%	16,887	18,079	1,192	7.1%
29.6%	16,867	18,050	1,183	7.0%
30.9%	16,844	17,856	1,012	6.0%
32.1%	16,762	17,666	904	5.4%
33.3%	16,722	17,473	751	4.5%
34.6%	16,713	17,466	753	4.5%
35.8%	16,671	17,344	673	4.0%
37.0%	16,620	17,315	695	4.2%
38.3%	16,601	17,137	536	3.2%
39.5%	16,526	17,125	599	3.6%
40.7%	16,489	17,114	625	3.8%
42.0%	16,457	17,034	576	3.5%
43.2%	16,264	17,004	739	4.5%
44.4%	16,210	16,870	660	4.1%
45.7%	16,157	16,767	610	3.8%
46.9%	16,112	16,681	569	3.5%
48.1%	15,878	16,497	619	3.9%
49.4%	15,827	16,437	610	3.9%
50.6%	15,808	16,374	566	3.6%
51.9%	15,777	16,248	472	3.0%
53.1%	15,759	16,110	351	2.2%
54.3%	15,755	16,096	341	2.2%
55.6%	15,594	16,005	411	2.6%
56.8%	15,550	15,833	283	1.8%
58.0%	15,529	15,833	304	2.0%
59.3%	15,345	15,811	466	3.0%
60.5%	15,334	15,629	296	1.9%
61.7%	15,306	15,595	289	1.9%
63.0%	15,295	15,546	251	1.6%
64.2%	15,138	15,515	378	2.5%
65.4%	15,085	15,344	259	1.7%
66.7%	15,073	15,335	262	1.7%
67.9%	14,988	15,145	157	1.0%
69.1%	14,806	15,137	331	2.2%
70.4%	14,766	15,101	335	2.3%
71.6%	14,743	15,079	336	2.3%
72.8%	14,706	14,958	252	1.7%
74.1%	14,692	14,919	227	1.5%
75.3%	14,277	14,808	531	3.7%
76.5%	14,231	14,759	528	3.7%
77.8%	14,080	14,663	583	4.1%
79.0%	13,455	14,282	827	6.1%
80.2%	13,108	14,168	1,060	8.1%
81.5%	13,005	14,144	1,140	8.8%
82.7%	12,665	14,076	1,410	11.1%
84.0%	12,557	13,888	1,331	10.6%
85.2%	12,183	13,775	1,593	13.1%
86.4%	10,545	13,562	3,017	28.6%
87.7%	10,131	13,028	2,897	28.6%
88.9%	9,359	12,701	3,342	35.7%
90.1%	9,130	12,147	3,017	33.0%
91.4%	8,791	11,953	3,162	36.0%
92.6%	8,663	11,839	3,177	36.7%
93.8%	8,325	11,000	2,675	32.1%
95.1%	7,540	10,699	3,158	41.9%
96.3%	7,390	9,385	1,995	27.0%
97.5%	7,227	8,981	1,753	24.3%
98.8%	7,050	8,785	1,735	24.6%
100.0%	7,023	8,081	1,058	15.1%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,274	31,276	2	0.0%
1.2%	30,335	30,941	606	2.0%
2.5%	30,232	30,538	307	1.0%
3.7%	30,018	30,273	255	0.8%
4.9%	29,920	30,137	217	0.7%
6.2%	29,705	30,081	376	1.3%
7.4%	29,679	29,929	251	0.8%
8.6%	29,371	29,858	487	1.7%
9.9%	29,332	29,773	441	1.5%
11.1%	29,301	29,729	429	1.5%
12.3%	29,181	29,444	263	0.9%
13.6%	29,146	29,434	287	1.0%
14.8%	28,956	29,386	430	1.5%
16.0%	28,776	29,314	538	1.9%
17.3%	28,167	29,294	1,127	4.0%
18.5%	27,727	29,244	1,517	5.5%
19.8%	26,946	29,138	2,192	8.1%
21.0%	26,123	28,843	2,720	10.4%
22.2%	26,107	28,713	2,606	10.0%
23.5%	26,085	28,557	2,471	9.5%
24.7%	25,560	28,263	2,703	10.6%
25.9%	24,068	25,006	938	3.9%
27.2%	24,004	23,842	-162	-0.7%
28.4%	23,642	23,471	-171	-0.7%
29.6%	23,382	22,932	-450	-1.9%
30.9%	22,721	22,764	43	0.2%
32.1%	22,304	22,573	269	1.2%
33.3%	22,131	22,392	261	1.2%
34.6%	22,029	22,148	119	0.5%
35.8%	21,308	21,898	590	2.8%
37.0%	20,917	21,589	672	3.2%
38.3%	20,758	21,306	548	2.6%
39.5%	20,598	21,214	616	3.0%
40.7%	20,046	20,919	873	4.4%
42.0%	19,894	20,625	730	3.7%
43.2%	19,539	19,936	397	2.0%
44.4%	16,781	19,725	2,944	17.5%
45.7%	16,505	19,429	2,925	17.7%
46.9%	14,362	15,982	1,620	11.3%
48.1%	13,726	15,577	1,852	13.5%
49.4%	13,628	15,405	1,776	13.0%
50.6%	13,436	15,160	1,725	12.8%
51.9%	13,271	14,856	1,585	11.9%
53.1%	12,940	14,820	1,880	14.5%
54.3%	12,616	14,818	2,202	17.5%
55.6%	12,491	14,815	2,324	18.6%
56.8%	12,486	14,710	2,224	17.8%
58.0%	12,466	14,323	1,857	14.9%
59.3%	12,425	14,233	1,808	14.6%
60.5%	12,393	14,227	1,834	14.8%
61.7%	12,339	14,045	1,706	13.8%
63.0%	12,069	13,967	1,898	15.7%
64.2%	12,028	13,639	1,611	13.4%
65.4%	11,929	13,599	1,669	14.0%
66.7%	11,790	13,571	1,781	15.1%
67.9%	11,788	13,404	1,615	13.7%
69.1%	11,626	13,344	1,718	14.8%
70.4%	11,468	13,156	1,688	14.7%
71.6%	11,441	12,865	1,424	12.5%
72.8%	11,325	12,827	1,503	13.3%
74.1%	11,173	12,795	1,622	14.5%
75.3%	11,070	12,696	1,626	14.7%
76.5%	11,002	12,628	1,626	14.8%
77.8%	10,770	12,535	1,764	16.4%
79.0%	10,664	12,445	1,781	16.7%
80.2%	10,648	12,250	1,603	15.1%
81.5%	10,273	12,173	1,899	18.5%
82.7%	10,273	12,137	1,864	18.1%
84.0%	9,665	12,009	2,344	24.3%
85.2%	9,115	11,901	2,786	30.6%
86.4%	8,370	11,712	3,342	39.9%
87.7%	7,802	11,684	3,881	49.7%
88.9%	7,701	9,353	1,652	21.5%
90.1%	7,674	8,763	1,088	14.2%
91.4%	7,572	8,597	1,025	13.5%
92.6%	7,565	7,966	401	5.3%
93.8%	7,535	7,887	352	4.7%
95.1%	7,489	7,726	238	3.2%
96.3%	7,483	7,541	58	0.8%
97.5%	7,370	7,489	119	1.6%
98.8%	7,344	7,480	136	1.9%
100.0%	7,201	7,124	-77	-1.1%

Table SW-31-7a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	100	413	3,334	9,711	12,487	8,325	2,476	265	126	48	100	83
Alternative C	132	365	3,060	8,995	11,997	7,838	2,419	252	125	48	100	105
Difference	33	-49	-274	-715	-490	-487	-57	-13	-1	0	0	22
Percent Difference[3]		-11.7%	-8.2%	-7.4%	-3.9%	-5.9%	-2.3%					
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	86	622	4,191	26,131	31,005	21,378	6,583	631	256	48	143	102
Alternative C	86	565	3,843	24,875	30,262	20,671	6,578	589	252	48	143	172
Difference	0	-57	-348	-1,256	-743	-707	-5	-42	-4	0	0	70
Percent Difference			-8.3%	-4.8%	-2.4%	-3.3%	-0.1%					
Above Normal (15%)												
No Action Alternative	37	859	1,440	7,385	11,958	8,418	1,424	183	66	48	95	65
Alternative C	37	601	1,526	6,014	10,795	7,326	1,179	183	66	48	95	65
Difference	0	-258	86	-1,371	-1,164	-1,092	-245	0	0	0	0	0
Percent Difference		-30.0%	6.0%	-18.6%	-9.7%	-13.0%	-17.2%					
Below Normal (17%)												
No Action Alternative	286	278	3,321	1,047	2,780	693	568	67	66	48	114	86
Alternative C	488	248	2,810	724	2,502	463	457	67	66	48	114	86
Difference	202	-29	-511	-323	-277	-230	-112	0	0	0	0	0
Percent Difference	70.8%	-10.5%	-15.4%	-30.9%	-10.0%	-33.2%	-19.6%				0.0%	0.0%
Dry (22%)												
No Action Alternative	46	180	5,387	542	1,722	701	308	77	67	48	61	73
Alternative C	46	235	4,989	387	1,555	531	308	77	67	48	61	74
Difference	0	55	-398	-155	-167	-170	0	0	0	0	0	0
Percent Difference		30.7%	-7.4%	-28.6%	-9.7%	-24.2%	0.0%	0.0%				
Critical (15%)												
No Action Alternative	56	22	303	318	363	292	107	68	64	48	54	70
Alternative C	44	24	296	134	365	109	107	68	64	48	54	70
Difference	-12	2	-7	-185	2	-183	0	0	0	0	0	0
Percent Difference	-21.4%	8.5%	-2.3%	-58.0%	0.5%	-62.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-31-7b
Yolo Bypass, Monthly Flow
Probability of Exceedance

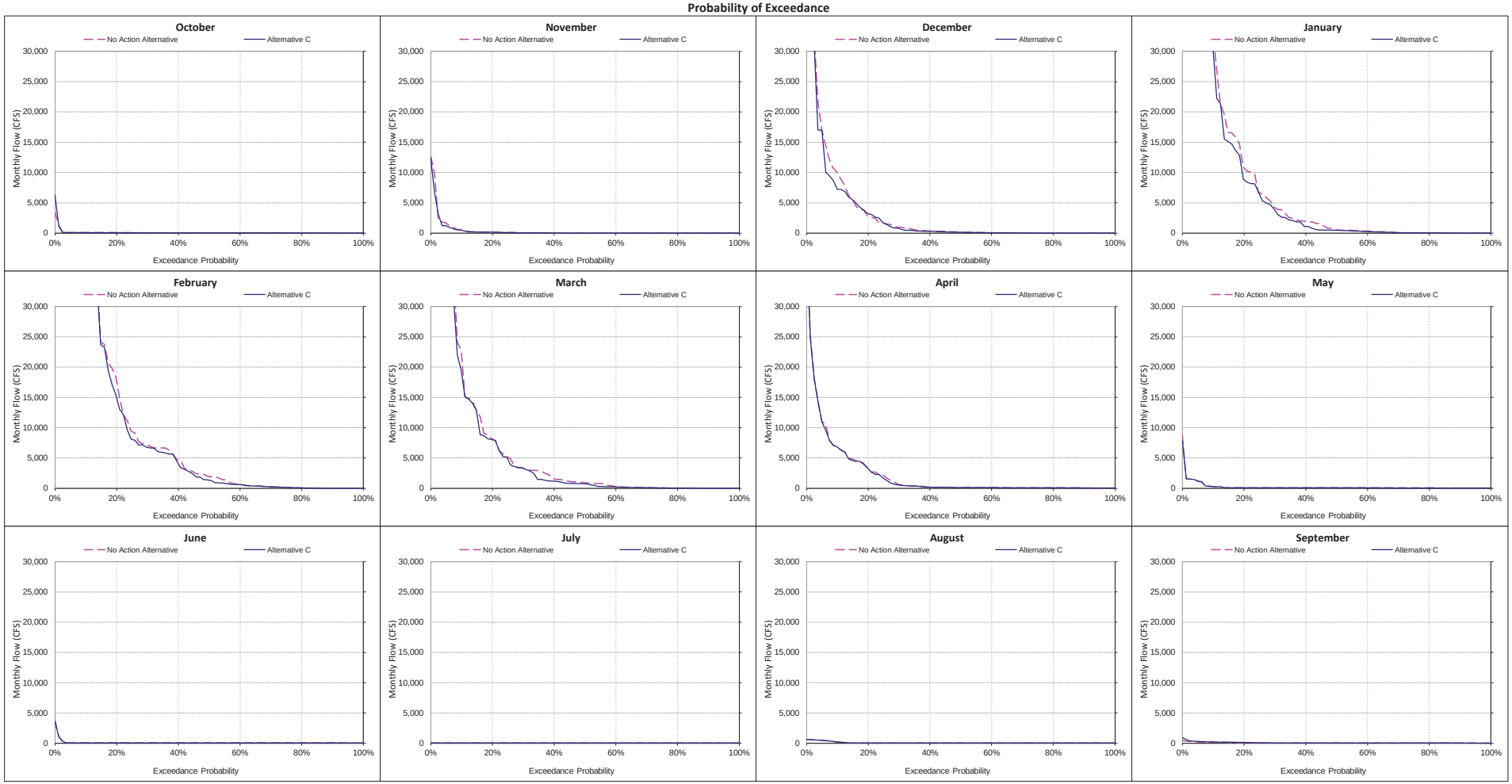

Table SW-31-7b
Yolo Bypass, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,483	6,317	2,833	81.3%
1.2%	1,201	1,201	0	0.0%
2.5%	138	126	-12	-8.6%
3.7%	132	93	-39	-29.4%
4.9%	100	76	-24	-23.8%
6.2%	93	75	-18	-19.3%
7.4%	76	64	-12	-15.6%
8.6%	75	63	-12	-15.8%
9.9%	64	63	-1	-1.4%
11.1%	63	63	0	-0.1%
12.3%	63	63	0	0.0%
13.6%	63	63	0	0.0%
14.8%	63	63	0	-0.7%
16.0%	63	63	0	-0.7%
17.3%	63	63	0	-0.3%
18.5%	63	62	-1	-1.8%
19.8%	63	62	-1	-1.8%
21.0%	62	61	0	-0.7%
22.2%	62	61	0	-0.7%
23.5%	61	61	0	-0.4%
24.7%	61	61	0	-0.7%
25.9%	61	60	-1	-1.1%
27.2%	61	60	-1	-1.1%
28.4%	60	59	-1	-1.8%
29.6%	60	58	-2	-3.7%
30.9%	59	58	-2	-3.0%
32.1%	58	56	-2	-2.7%
33.3%	58	54	-3	-5.5%
34.6%	56	54	-2	-3.5%
35.8%	54	54	0	-0.7%
37.0%	54	54	0	-0.8%
38.3%	54	53	-1	-1.2%
39.5%	54	53	-1	-1.2%
40.7%	53	53	0	-0.8%
42.0%	53	53	0	-0.8%
43.2%	53	52	0	-0.7%
44.4%	52	52	0	-0.6%
45.7%	52	50	-2	-3.0%
46.9%	50	49	-2	-3.3%
48.1%	49	46	-3	-5.7%
49.4%	46	45	0	-0.9%
50.6%	45	45	-1	-1.4%
51.9%	45	45	0	-0.5%
53.1%	45	44	-1	-1.4%
54.3%	44	43	0	-1.1%
55.6%	43	43	0	-0.5%
56.8%	43	42	-1	-2.0%
58.0%	42	42	0	-0.3%
59.3%	42	40	-2	-4.4%
60.5%	40	40	0	0.0%
61.7%	39	39	0	0.0%
63.0%	38	38	0	0.0%
64.2%	38	38	0	0.0%
65.4%	37	37	0	0.0%
66.7%	37	37	0	0.0%
67.9%	36	36	0	0.0%
69.1%	30	35	5	18.2%
70.4%	29	30	1	2.3%
71.6%	29	29	0	1.6%
72.8%	26	26	0	0.0%
74.1%	24	24	0	0.0%
75.3%	22	22	0	0.0%
76.5%	20	20	0	0.0%
77.8%	19	19	0	0.0%
79.0%	18	18	0	0.0%
80.2%	17	17	0	0.0%
81.5%	16	16	0	0.0%
82.7%	15	15	0	0.0%
84.0%	14	14	0	0.0%
85.2%	12	12	0	0.0%
86.4%	12	12	0	0.0%
87.7%	11	11	0	0.0%
88.9%	9	9	0	0.0%
90.1%	6	6	0	0.0%
91.4%	5	5	0	
92.6%	3	3	0	
93.8%	3	3	0	
95.1%	3	3	0	
96.3%	2	2	0	
97.5%	1	1	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,700	12,394	-306	-2.4%
1.2%	9,819	6,724	-3,095	-31.5%
2.5%	2,057	3,063	1,006	48.9%
3.7%	1,840	1,209	-631	-34.3%
4.9%	1,666	1,200	-466	-28.0%
6.2%	1,168	933	-235	-20.1%
7.4%	933	655	-277	-29.7%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	77	-4	-4.8%
27.2%	66	66	0	0.0%
28.4%	51	51	0	0.0%
29.6%	50	50	0	0.0%
30.9%	49	49	0	0.0%
32.1%	37	38	1	2.2%
33.3%	36	37	1	3.3%
34.6%	35	36	0	0.6%
35.8%	35	35	0	0.0%
37.0%	25	35	10	40.0%
38.3%	20	25	5	
39.5%	12	24	12	
40.7%	10	12	2	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	10	0	
48.1%	9	9	1	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	8	0	
53.1%	7	8	1	
54.3%	7	7	0	
55.6%	7	7	0	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	5	6	1	
60.5%	5	5	0	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	4	5	0	
65.4%	3	3	0	
66.7%	2	3	1	
67.9%	1	2	0	
69.1%	0	1	1	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,534	55,653	119	0.2%
1.2%	33,854	32,758	-1,096	-3.2%
2.5%	32,587	31,733	-854	-2.6%
3.7%	21,703	16,993	-4,709	-21.7%
4.9%	17,072	16,989	-83	-0.5%
6.2%	14,512	10,039	-4,473	-30.8%
7.4%	12,098	9,415	-2,682	-22.2%
8.6%	10,736	8,682	-2,055	-19.1%
9.9%	10,097	7,231	-2,866	-28.4%
11.1%	8,912	7,211	-1,701	-19.1%
12.3%	7,896	6,863	-1,033	-13.1%
13.6%	6,264	5,931	-333	-5.3%
14.8%	5,603	5,538	-65	-1.2%
16.0%	4,427	4,893	467	10.5%
17.3%	3,872	4,221	349	9.0%
18.5%	3,804	3,829	25	0.7%
19.8%	2,817	3,222	405	14.4%
21.0%	2,614	3,058	444	17.0%
22.2%	2,489	2,637	147	5.9%
23.5%	1,715	2,474	759	44.3%
24.7%	1,711	1,738	27	1.6%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	830	-218	-20.8%
29.6%	976	800	-176	-18.0%
30.9%	967	605	-362	-37.4%
32.1%	800	470	-330	-41.3%
33.3%	790	442	-347	-44.0%
34.6%	605	411	-194	-32.0%
35.8%	470	350	-120	-25.6%
37.0%	442	330	-112	-25.4%
38.3%	411	294	-117	-28.5%
39.5%	350	285	-65	-18.6%
40.7%	330	280	-50	-15.3%
42.0%	294	265	-29	-9.9%
43.2%	281	195	-86	-30.7%
44.4%	280	192	-88	-31.4%
45.7%	265	158	-107	-40.5%
46.9%	195	158	-37	-19.2%
48.1%	192	138	-54	-28.0%
49.4%	178	135	-43	-24.3%
50.6%	158	122	-36	
51.9%	138	107	-31	
53.1%	135	102	-33	
54.3%	122	93	-29	
55.6%	107	91	-16	
56.8%	93	81	-11	
58.0%	81	63	-18	
59.3%	63	57	-7	
60.5%	57	57	0	
61.7%	55	42	-13	
63.0%	42	42	0	
64.2%	42	41	-2	
65.4%	41	37	-3	
66.7%	37	23	-15	
67.9%	23	20	-3	
69.1%	20	13	-7	
70.4%	13	10	-3	
71.6%	10	8	-2	
72.8%	5	1	-4	
74.1%	1	1	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	132,314	128,708	-3,606	-2.7%
1.2%	113,962	111,528	-2,434	-2.1%
2.5%	68,026	63,432	-4,594	-6.8%
3.7%	56,479	56,508	29	0.1%
4.9%	44,787	39,940	-4,847	-10.8%
6.2%	38,831	39,931	1,101	2.8%
7.4%	35,544	33,925	-1,619	-4.6%
8.6%	33,626	31,500	-2,127	-6.3%
9.9%	33,533	30,783	-2,750	-8.2%
11.1%	27,199	22,223	-4,975	-18.3%
12.3%	21,343	21,331	-12	-0.1%
13.6%	19,652	15,487	-4,165	-21.2%
14.8%	16,637	15,111	-1,526	-9.2%
16.0%	16,541	14,644	-1,897	-11.5%
17.3%	15,813	13,624	-2,189	-13.8%
18.5%	14,737	12,756	-1,982	-13.4%
19.8%	10,898	8,868	-2,030	-18.6%
21.0%	10,224	8,364	-1,860	-18.2%
22.2%	10,057	8,154	-1,904	-18.9%
23.5%	9,767	8,140	-1,627	-16.7%
24.7%	6,690	6,709	19	0.3%
25.9%	6,499	5,349	-1,149	-17.7%
27.2%	5,874	4,957	-917	-15.6%
28.4%	5,341	4,725	-616	-11.5%
29.6%	4,307	4,015	-292	-6.8%
30.9%	3,894	3,082	-812	-20.9%
32.1%	3,841	2,631	-1,210	-31.5%
33.3%	3,202	2,547	-655	-20.5%
34.6%	2,539	2,172	-367	-14.5%
35.8%	2,455	2,042	-413	-16.8%
37.0%	2,143	1,849	-294	-13.7%
38.3%	2,025	1,805	-220	-10.9%
39.5%	1,973	1,088	-885	-44.8%
40.7%	1,844	1,085	-759	-41.2%
42.0%	1,822	792	-1,030	-56.5%
43.2%	1,619	596	-1,022	-63.2%
44.4%	1,531	517	-1,014	-66.2%
45.7%	1,196	507	-688	-57.6%
46.9%	849	490	-360	-42.4%
48.1%	792	480	-312	-39.4%
49.4%	517	475	-43	-8.2%
50.6%	490	452	-37	-7.6%
51.9%	480	444	-36	
53.1%	447	397	-50	
54.3%	444	371	-73	
55.6%	397	342	-55	
56.8%	371	327	-45	
58.0%	342	281	-60	
59.3%	327	241	-86	
60.5%	326	232	-95	
61.7%	232	218	-14	
63.0%	218	214	-4	
64.2%	214	188	-26	
65.4%	188	132	-56	
66.7%	132	128	-3	
67.9%	128	121	-8	
69.1%	121	63	-57	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	59	61	2	
74.1%	50	59	8	
75.3%	40	50	11	
76.5%	37	40	3	
77.8%	37	40	2	
79.0%	31	37	6	
80.2%	28	37	9	
81.5%	26	31	5	
82.7%	26	28	2	
84.0%	21	26	5	
85.2%	21	26	5	
86.4%	7	21	15	
87.7%	0	21	21	
88.9%	0	7	7	
90.1%	0	3	3	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-7b
Yolo Bypass, Monthly Flow
Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	124,217	120,114	-4,104	-3.3%
1.2%	111,977	113,618	1,641	1.5%
2.5%	78,828	77,805	-1,023	-1.3%
3.7%	66,577	66,577	0	0.0%
4.9%	65,305	65,339	34	0.1%
6.2%	49,718	53,004	3,286	6.6%
7.4%	45,689	46,441	752	1.6%
8.6%	44,758	41,637	-3,121	-7.0%
9.9%	44,641	40,687	-3,954	-8.9%
11.1%	41,339	39,777	-1,563	-3.8%
12.3%	40,903	37,254	-3,650	-8.9%
13.6%	36,410	34,336	-2,074	-5.7%
14.8%	24,165	23,743	-422	-1.7%
16.0%	23,731	23,234	-498	-2.1%
17.3%	20,629	19,436	-1,193	-5.8%
18.5%	19,815	17,117	-2,698	-13.6%
19.8%	18,422	15,403	-3,019	-16.4%
21.0%	14,808	13,009	-1,800	-12.2%
22.2%	12,092	12,166	74	0.6%
23.5%	11,163	9,635	-1,528	-13.7%
24.7%	9,422	8,141	-1,281	-13.6%
25.9%	9,126	7,930	-1,196	-13.1%
27.2%	7,655	7,167	-488	-6.4%
28.4%	7,376	7,156	-220	-3.0%
29.6%	7,210	6,792	-419	-5.8%
30.9%	6,945	6,656	-290	-4.2%
32.1%	6,672	6,601	-71	-1.1%
33.3%	6,654	6,074	-580	-8.7%
34.6%	6,651	5,942	-709	-10.7%
35.8%	6,648	5,815	-833	-12.5%
37.0%	6,292	5,663	-628	-10.0%
38.3%	5,608	5,593	-15	-0.3%
39.5%	4,759	4,501	-258	-5.4%
40.7%	4,631	3,377	-1,254	-27.1%
42.0%	3,322	3,151	-171	-5.2%
43.2%	2,887	2,828	-58	-2.0%
44.4%	2,823	2,418	-405	-14.4%
45.7%	2,410	1,890	-520	-21.6%
46.9%	2,361	1,827	-534	-22.6%
48.1%	2,309	1,406	-903	-39.1%
49.4%	1,999	1,365	-635	-31.7%
50.6%	1,882	1,277	-606	-32.2%
51.9%	1,819	911	-908	-49.9%
53.1%	1,720	882	-838	-48.7%
54.3%	1,406	879	-528	-37.5%
55.6%	1,365	744	-621	-45.5%
56.8%	879	671	-208	-23.6%
58.0%	744	629	-114	-15.4%
59.3%	629	625	-5	-0.7%
60.5%	596	596	0	
61.7%	468	468	0	
63.0%	425	425	0	
64.2%	389	389	0	
65.4%	389	389	0	
66.7%	355	355	0	
67.9%	303	303	0	
69.1%	229	243	14	
70.4%	227	229	2	
71.6%	219	219	0	
72.8%	193	193	0	
74.1%	137	137	0	
75.3%	112	112	0	
76.5%	110	110	0	
77.8%	85	85	0	
79.0%	81	81	0	
80.2%	52	52	0	
81.5%	41	26	-15	
82.7%	26	26	0	
84.0%	26	24	-2	
85.2%	22	22	0	
86.4%	19	19	0	
87.7%	3	2	-1	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	118,509	118,514	5	0.0%
1.2%	114,483	109,129	-5,354	-4.7%
2.5%	65,783	65,810	27	0.0%
3.7%	46,880	42,301	-4,580	-9.8%
4.9%	42,175	42,111	-65	-0.2%
6.2%	38,596	36,063	-2,533	-6.6%
7.4%	36,054	31,481	-4,573	-12.7%
8.6%	24,075	21,941	-2,134	-8.9%
9.9%	22,765	19,536	-3,230	-14.2%
11.1%	15,093	15,060	-33	-0.2%
12.3%	14,868	14,682	-186	-1.2%
13.6%	14,318	14,024	-295	-2.1%
14.8%	12,842	12,841	-1	0.0%
16.0%	11,819	8,856	-2,963	-25.1%
17.3%	9,049	8,667	-382	-4.2%
18.5%	8,849	8,181	-668	-7.6%
19.8%	8,178	8,051	-127	-1.5%
21.0%	7,854	7,861	7	0.1%
22.2%	6,211	6,214	3	0.0%
23.5%	5,699	5,228	-471	-8.3%
24.7%	5,223	5,148	-75	-1.4%
25.9%	4,862	3,823	-1,039	-21.4%
27.2%	3,623	3,623	0	0.0%
28.4%	3,431	3,383	-48	-1.4%
29.6%	3,350	3,375	25	0.7%
30.9%	3,128	3,095	-33	-1.1%
32.1%	2,984	2,838	-146	-4.9%
33.3%	2,975	2,485	-490	-16.5%
34.6%	2,937	1,488	-1,449	-49.3%
35.8%	2,835	1,449	-1,385	-48.9%
37.0%	2,485	1,306	-1,179	-47.4%
38.3%	2,241	1,207	-1,034	-46.1%
39.5%	1,601	1,169	-432	-27.0%
40.7%	1,480	1,153	-328	-22.1%
42.0%	1,446	1,028	-418	-28.9%
43.2%	1,306	868	-438	-33.5%
44.4%	1,169	799	-371	-31.7%
45.7%	1,088	780	-308	-28.3%
46.9%	1,028	778	-250	-24.3%
48.1%	982	776	-206	-21.0%
49.4%	969	738	-230	-23.8%
50.6%	865	696	-169	-19.5%
51.9%	798	549	-249	-31.2%
53.1%	780	475	-305	-39.1%
54.3%	778	313	-466	-59.8%
55.6%	772	306	-466	-60.4%
56.8%	475	268	-207	-43.5%
58.0%	464	257	-207	-44.6%
59.3%	313	244	-69	
60.5%	257	220	-37	
61.7%	244	169	-74	
63.0%	220	150	-70	
64.2%	169	148	-22	
65.4%	150	130	-19	
66.7%	148	119	-29	
67.9%	130	113	-18	
69.1%	119	80	-39	
70.4%	113	77	-36	
71.6%	80	72	-7	
72.8%	77	65	-12	
74.1%	65	62	-4	
75.3%	62	49	-13	
76.5%	50	48	-2	
77.8%	49	47	-2	
79.0%	47	45	-2	
80.2%	45	36	-9	
81.5%	36	30	-6	
82.7%	30	28	-2	
84.0%	28	19	-9	
85.2%	19	13	-6	
86.4%	13	7	-6	
87.7%	7	7	0	
88.9%	7	7	0	
90.1%	7	4	-3	
91.4%	4	2	-1	
92.6%	2	0	-2	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,036	41,036	0	0.0%
1.2%	24,931	24,964	32	0.1%
2.5%	18,192	18,204	12	0.1%
3.7%	14,426	14,425	-1	0.0%
4.9%	10,979	10,980	1	0.0%
6.2%	10,730	9,560	-1,170	-10.9%
7.4%	7,898	7,893	-5	-0.1%
8.6%	7,096	7,096	0	0.0%
9.9%	6,839	6,840	1	0.0%
11.1%	6,314	6,309	-5	-0.1%
12.3%	5,983	5,989	6	0.1%
13.6%	4,932	4,846	-86	-1.7%
14.8%	4,846	4,557	-289	-6.0%
16.0%	4,555	4,458	-97	-2.1%
17.3%	4,458	4,421	-37	-0.8%
18.5%	4,099	3,933	-166	-4.1%
19.8%	3,336	3,336	0	0.0%
21.0%	2,671	2,654	-16	-0.6%
22.2%	2,662	2,293	-368	-13.8%
23.5%	2,293	2,265	-28	-1.2%
24.7%	2,264	1,698	-566	-25.0%
25.9%	1,697	1,315	-382	-22.5%
27.2%	1,315	899	-415	-31.6%
28.4%	1,095	668	-427	-39.0%
29.6%	668	558	-110	-16.5%
30.9%	558	445	-113	-20.2%
32.1%	445	418	-27	-6.1%
33.3%	418	388	-30	-7.1%
34.6%	388	385	-4	-0.9%
35.8%	385	383	-2	-0.5%
37.0%	383	250	-132	-34.6%
38.3%	250	198	-53	-21.0%
39.5%	198	176	-22	-11.0%
40.7%	179	172	-7	-4.0%
42.0%	176	167	-9	-5.3%
43.2%	167	159	-8	-4.7%
44.4%	159	150	-9	-5.6%
45.7%	150	142	-8	-5.3%
46.9%	142	139	-3	-2.2%
48.1%	139	139	0	-0.2%
49.4%	139	131	-8	-5.7%
50.6%	131	120	-11	-8.6%
51.9%	120	119	0	
53.1%	119	119	0	
54.3%	119	116	-3	
55.6%	116	115	-1	
56.8%	115	114	-1	
58.0%	114	112	-2	
59.3%	112	111	-1	
60.5%	111	111	-1	
61.7%	111	109	-2	
63.0%	109	103	-6	
64.2%	103	99	-3	
65.4%	99	95	-4	
66.7%	95	95	-1	
67.9%	95	90	-4	
69.1%	90	87	-3	
70.4%	87	87	0	
71.6%	87	86	-1	
72.8%	86	85	-1	
74.1%	85	85	0	
75.3%	85	82	-3	
76.5%	82	81	0	
77.8%	81	80	-1	
79.0%	80	78	-2	
80.2%	78	76	-2	
81.5%	76	72	-4	
82.7%	72	71	-2	
84.0%	71	65	-5	
85.2%	65	64	-1	
86.4%	64	62	-2	
87.7%	62	58	-5	
88.9%	58	56	-2	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	50	-4	
96.3%	50	49	-1	
97.5%	49	45	-4	
98.8%	45	43	-2	
100.0%	42	42	0	

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,809	7,747	-1,062	-12.1%
1.2%	1,544	1,545	1	0.1%
2.5%	1,506	1,507	1	0.1%
3.7%	1,485	1,487	1	0.1%
4.9%	1,187	1,163	-24	-2.0%
6.2%	1,078	1,079	1	0.1%
7.4%	394	395	1	0.3%
8.6%	326	327	1	0.3%
9.9%	278	278	0	0.0%
11.1%	256	248	-8	-3.1%
12.3%	248	248	-1	-0.2%
13.6%	82	82	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	77	77	0	0.0%
23.5%	77	77	0	0.0%
24.7%	77	77	0	0.0%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	74	74	0	0.0%
29.6%	73	73	0	0.0%
30.9%	73	73	0	0.0%
32.1%	73	73	0	0.0%
33.3%	72	72	0	0.0%
34.6%	72	72	0	0.0%
35.8%	71	71	0	0.0%
37.0%	71	71	0	0.0%
38.3%	71	71	0	0.0%
39.5%	70	70	0	0.0%
40.7%	70	70	0	0.0%
42.0%	70	70	0	0.0%
43.2%	70	70	0	0.0%
44.4%	69	69	0	0.0%
45.7%	69	69	0	0.0%
46.9%	69	69	0	0.0%
48.1%	68	68	0	0.0%
49.4%	68	68	0	0.0%
50.6%	68	68	0	0.0%
51.9%	68	68	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	66	66	0	0.0%
56.8%	66	66	0	0.0%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.0%
60.5%	64	64	0	0.0%
61.7%	64	64	0	0.0%
63.0%	64	64	0	0.0%
64.2%	64	64	0	0.0%
65.4%	64	64	0	0.0%
66.7%	63	63	0	0.0%
67.9%	63	63	0	0.0%
69.1%	63	63	0	0.0%
70.4%	63	63	0	0.0%
71.6%	63	63	0	0.0%
72.8%	62	62	0	0.0%
74.1%	62	62	0	0.0%
75.3%	61	61	0	0.0%
76.5%	61	61	0	0.0%
77.8%	60	60	0	0.0%
79.0%	59	59	0	0.0%
80.2%	58	58	0	0.0%
81.5%	58	58	0	0.0%
82.7%	58	58	0	0.0%
84.0%	56	56	0	0.0%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	53	0	0.0%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.0%
95.1%	50	50	0	0.0%
96.3%	47	47	0	0.0%
97.5%	46	46	0	0.0%
98.8%	45	45	0	0.0%
100.0%	40	40	0	0.0%

Table SW-31-7b
Yolo Bypass, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,730	3,633	-96	-2.6%
1.2%	1,081	1,082	1	0.0%
2.5%	349	349	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	48	0	0.0%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	628	0	0.0%
1.2%	610	610	0	0.0%
2.5%	549	549	0	0.0%
3.7%	502	502	0	0.0%
4.9%	486	486	0	0.0%
6.2%	431	431	0	0.0%
7.4%	366	366	0	0.0%
8.6%	302	302	0	0.0%
9.9%	165	169	4	2.2%
11.1%	164	164	0	0.0%
12.3%	126	126	0	0.0%
13.6%	60	60	0	0.0%
14.8%	55	55	0	0.0%
16.0%	55	55	0	0.0%
17.3%	55	55	0	0.0%
18.5%	55	55	0	0.0%
19.8%	55	55	0	0.0%
21.0%	55	55	0	0.0%
22.2%	55	55	0	0.0%
23.5%	55	55	0	0.0%
24.7%	55	55	0	0.0%
25.9%	55	55	0	0.0%
27.2%	55	55	0	0.0%
28.4%	55	55	0	0.0%
29.6%	55	55	0	0.0%
30.9%	55	55	0	0.0%
32.1%	55	55	0	0.0%
33.3%	55	55	0	0.0%
34.6%	55	55	0	0.0%
35.8%	55	55	0	0.0%
37.0%	55	55	0	0.0%
38.3%	55	55	0	0.0%
39.5%	55	55	0	0.0%
40.7%	55	55	0	0.0%
42.0%	55	55	0	0.0%
43.2%	55	55	0	0.0%
44.4%	55	55	0	0.0%
45.7%	55	55	0	0.0%
46.9%	55	55	0	0.0%
48.1%	55	55	0	0.0%
49.4%	55	55	0	0.0%
50.6%	55	55	0	0.0%
51.9%	55	55	0	0.0%
53.1%	55	55	0	0.0%
54.3%	55	55	0	0.0%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.0%
76.5%	55	55	0	0.0%
77.8%	55	55	0	0.0%
79.0%	55	55	0	0.0%
80.2%	55	55	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	54	54	0	0.0%
87.7%	54	54	0	0.0%
88.9%	54	54	0	0.0%
90.1%	54	54	0	0.0%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	53	53	0	0.0%
96.3%	52	52	0	0.0%
97.5%	50	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	42	42	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	525	945	420	80.1%
1.2%	351	589	238	67.9%
2.5%	274	366	92	33.7%
3.7%	251	355	104	41.6%
4.9%	192	326	134	69.7%
6.2%	168	274	106	62.8%
7.4%	164	257	93	56.6%
8.6%	164	251	86	52.4%
9.9%	164	192	28	16.7%
11.1%	162	169	8	4.9%
12.3%	161	168	7	4.2%
13.6%	153	164	11	7.2%
14.8%	128	164	36	28.2%
16.0%	96	164	69	71.9%
17.3%	88	162	73	83.0%
18.5%	72	153	82	114.3%
19.8%	64	128	64	100.3%
21.0%	62	115	54	86.8%
22.2%	61	96	35	56.9%
23.5%	60	88	29	47.7%
24.7%	59	80	21	34.8%
25.9%	59	72	12	20.8%
27.2%	59	64	5	8.0%
28.4%	59	61	2	2.9%
29.6%	59	60	0	0.8%
30.9%	59	59	0	0.1%
32.1%	59	59	0	0.0%
33.3%	59	59	0	0.0%
34.6%	59	59	0	0.0%
35.8%	59	59	0	0.0%
37.0%	59	59	0	0.0%
38.3%	59	59	0	0.0%
39.5%	59	59	0	0.0%
40.7%	59	59	0	0.0%
42.0%	59	59	0	0.0%
43.2%	59	59	0	0.0%
44.4%	59	59	0	0.0%
45.7%	59	59	0	0.0%
46.9%	59	59	0	0.0%
48.1%	59	59	0	0.0%
49.4%	59	59	0	0.0%
50.6%	59	59	0	0.0%
51.9%	59	59	0	0.0%
53.1%	59	59	0	0.0%
54.3%	59	59	0	0.0%
55.6%	59	59	0	0.0%
56.8%	59	59	0	0.2%
58.0%	59	59	0	0.2%
59.3%	59	59	0	0.2%
60.5%	59	59	0	0.5%
61.7%	59	59	0	0.4%
63.0%	59	59	0	0.6%
64.2%	59	59	1	1.1%
65.4%	59	59	0	0.7%
66.7%	58	59	1	1.1%
67.9%	58	59	0	0.4%
69.1%	58	58	0	0.0%
70.4%	58	58	0	0.5%
71.6%	58	58	0	0.5%
72.8%	57	58	1	1.3%
74.1%	57	58	1	1.6%
75.3%	57	57	1	1.3%
76.5%	56	57	1	2.0%
77.8%	56	57	1	1.2%
79.0%	55	56	0	0.8%
80.2%	55	55	0	0.6%
81.5%	55	55	0	0.4%
82.7%	55	55	0	0.6%
84.0%	55	55	0	0.0%
85.2%	54	55	1	1.7%
86.4%	53	54	0	0.4%
87.7%	53	53	1	1.1%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	51	51	0	0.0%
93.8%	50	50	0	0.0%
95.1%	49	49	0	0.0%
96.3%	45	45	0	0.0%
97.5%	24	24	0	0.0%
98.8%	23	23	0	0.0%
100.0%	23	23	0	0.0%

Table SW-32-7a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	6,113	11,761	21,808	36,607	43,748	35,570	21,369	15,233	9,854	10,571	7,897	11,368
Alternative C	7,057	12,844	21,079	34,889	42,336	33,768	21,067	15,169	10,250	12,086	8,684	12,294
Difference	944	1,083	-728	-1,718	-1,413	-1,802	-303	-64	396	1,515	787	926
Percent Difference[3]	15.4%	9.2%	-3.3%	-4.7%	-3.2%	-5.1%	-1.4%	-0.4%	4.0%	14.3%	10.0%	8.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,204	16,661	24,661	69,998	79,890	63,502	38,396	26,691	16,443	10,904	8,560	21,672
Alternative C	10,090	18,086	23,306	68,014	78,323	62,285	38,126	26,590	17,352	12,778	8,788	22,419
Difference	1,886	1,425	-1,354	-1,984	-1,567	-1,217	-269	-101	909	1,874	227	747
Percent Difference	23.0%	8.6%	-5.5%	-2.8%	-2.0%	-1.9%	-0.7%	-0.4%	5.5%	17.2%	2.7%	3.4%
Above Normal (15%)												
No Action Alternative	6,408	13,579	21,114	40,531	50,459	45,585	22,716	16,694	9,945	12,300	8,916	12,009
Alternative C	7,504	15,484	19,780	37,400	48,112	43,083	21,953	16,539	9,821	15,208	9,105	12,643
Difference	1,097	1,905	-1,334	-3,131	-2,347	-2,502	-763	-155	-124	2,908	188	633
Percent Difference	17.1%	14.0%	-6.3%	-7.7%	-4.7%	-5.5%	-3.4%	-0.9%	-1.2%	23.6%	2.1%	5.3%
Below Normal (17%)												
No Action Alternative	6,600	11,868	25,744	20,280	29,020	19,870	14,420	10,613	6,937	11,865	8,383	6,096
Alternative C	7,362	12,846	25,793	18,004	28,175	17,464	14,064	10,438	7,314	13,074	8,889	7,363
Difference	762	978	48	-2,276	-845	-2,406	-356	-175	378	1,209	506	1,268
Percent Difference	11.5%	8.2%	0.2%	-11.2%	-2.9%	-12.1%	-2.5%	-1.6%	5.4%	10.2%	6.0%	20.8%
Dry (22%)												
No Action Alternative	4,539	8,480	23,222	14,834	19,424	17,402	10,437	7,952	6,155	10,363	8,376	5,425
Alternative C	4,503	9,189	23,029	13,921	18,007	14,833	10,173	7,988	6,361	11,283	9,946	6,877
Difference	-35	710	-193	-913	-1,418	-2,569	-265	36	206	920	1,570	1,452
Percent Difference	-0.8%	8.4%	-0.8%	-6.2%	-7.3%	-14.8%	-2.5%	0.5%	3.3%	8.9%	18.7%	26.8%
Critical (15%)												
No Action Alternative	3,080	4,123	9,605	12,044	12,401	10,605	7,638	5,259	4,436	6,921	4,155	3,470
Alternative C	3,515	4,327	9,130	11,760	11,602	10,092	7,728	5,347	4,547	7,516	5,909	3,887
Difference	435	205	-475	-284	-799	-513	90	88	112	595	1,755	417
Percent Difference	14.1%	5.0%	-4.9%	-2.4%	-6.4%	-4.8%	1.2%	1.7%	2.5%	8.6%	42.2%	12.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-32-7b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

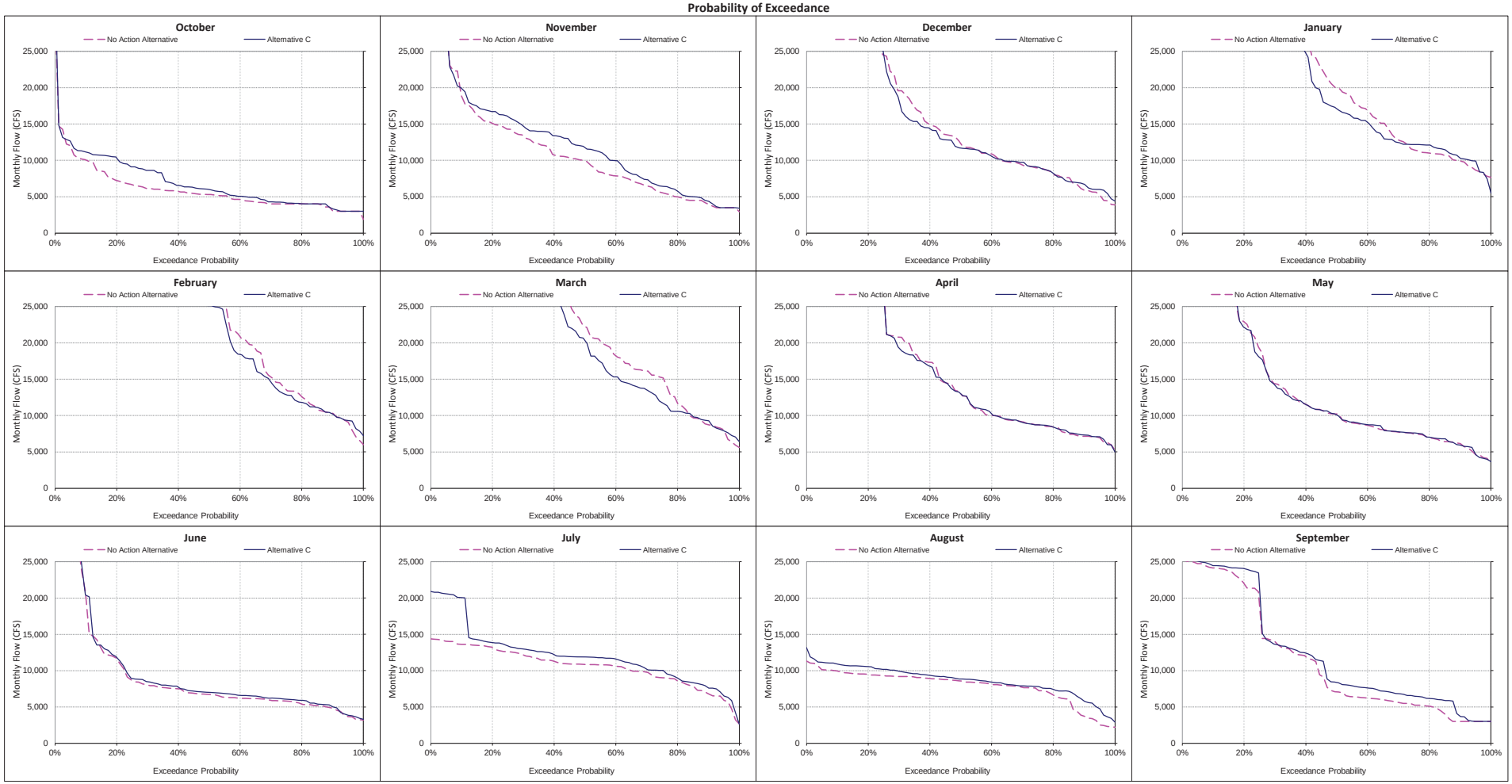

Table SW-32-7b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,384	34,665	3,281	10.5%
1.2%	14,729	14,828	99	0.7%
2.5%	14,289	13,169	-1,120	-7.8%
3.7%	12,252	12,869	617	5.0%
4.9%	12,047	12,676	629	5.2%
6.2%	10,735	11,671	936	8.7%
7.4%	10,324	11,343	1,019	9.9%
8.6%	10,206	11,293	1,087	10.7%
9.9%	10,088	11,174	1,086	10.8%
11.1%	9,847	11,035	1,188	12.1%
12.3%	9,730	10,780	1,050	10.8%
13.6%	8,636	10,742	2,107	24.4%
14.8%	8,565	10,704	2,139	25.0%
16.0%	8,431	10,678	2,247	26.7%
17.3%	7,672	10,602	2,930	38.2%
18.5%	7,486	10,491	3,005	40.1%
19.8%	7,268	10,457	3,189	43.9%
21.0%	7,120	9,817	2,698	37.9%
22.2%	6,935	9,581	2,647	38.2%
23.5%	6,821	9,495	2,674	39.2%
24.7%	6,687	9,122	2,435	36.4%
25.9%	6,510	9,102	2,592	39.8%
27.2%	6,455	8,906	2,451	38.0%
28.4%	6,347	8,843	2,496	39.3%
29.6%	6,136	8,629	2,492	40.6%
30.9%	6,126	8,628	2,502	40.8%
32.1%	6,044	8,623	2,579	42.7%
33.3%	6,038	8,299	2,261	37.4%
34.6%	5,997	8,297	2,301	38.4%
35.8%	5,867	7,070	1,203	20.5%
37.0%	5,839	6,990	1,151	19.7%
38.3%	5,817	6,854	1,037	17.8%
39.5%	5,800	6,553	753	13.0%
40.7%	5,668	6,536	868	15.3%
42.0%	5,649	6,369	720	12.7%
43.2%	5,466	6,347	881	16.1%
44.4%	5,465	6,314	849	15.5%
45.7%	5,404	6,169	765	14.1%
46.9%	5,352	6,125	773	14.5%
48.1%	5,326	6,059	733	13.8%
49.4%	5,320	6,039	719	13.5%
50.6%	5,305	5,949	644	12.1%
51.9%	5,234	5,803	569	10.9%
53.1%	5,179	5,710	531	10.3%
54.3%	5,132	5,677	545	10.6%
55.6%	5,114	5,402	288	5.6%
56.8%	4,754	5,212	458	9.6%
58.0%	4,640	5,159	520	11.2%
59.3%	4,632	5,051	419	9.0%
60.5%	4,616	5,050	434	9.4%
61.7%	4,444	4,978	534	12.0%
63.0%	4,404	4,914	510	11.6%
64.2%	4,310	4,912	602	14.0%
65.4%	4,220	4,903	684	16.2%
66.7%	4,215	4,641	425	10.1%
67.9%	4,194	4,584	390	9.3%
69.1%	4,027	4,297	270	6.7%
70.4%	4,000	4,278	278	7.0%
71.6%	4,000	4,263	263	6.6%
72.8%	4,000	4,261	261	6.5%
74.1%	4,000	4,240	240	6.0%
75.3%	4,000	4,135	135	3.4%
76.5%	4,000	4,104	104	2.6%
77.8%	4,000	4,092	92	2.3%
79.0%	4,000	4,081	81	2.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	3,880	4,000	120	3.1%
87.7%	3,611	4,000	389	10.8%
88.9%	3,592	3,557	-36	-1.0%
90.1%	3,000	3,305	305	10.2%
91.4%	3,000	3,184	184	6.1%
92.6%	3,000	3,003	3	0.1%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	2,992	3,000	8	0.3%
100.0%	1,887	3,000	1,113	59.0%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,173	58,697	-476	-0.8%
1.2%	51,030	47,190	-3,840	-7.5%
2.5%	41,956	40,924	-1,032	-2.5%
3.7%	31,375	31,550	176	0.6%
4.9%	29,068	29,363	295	1.0%
6.2%	23,055	22,868	-188	-0.8%
7.4%	22,290	21,746	-544	-2.4%
8.6%	22,289	20,240	-2,049	-9.2%
9.9%	18,943	19,976	1,033	5.5%
11.1%	17,757	19,434	1,677	9.4%
12.3%	17,604	17,969	365	2.1%
13.6%	17,064	17,702	638	3.7%
14.8%	16,275	17,510	1,235	7.6%
16.0%	15,900	17,101	1,201	7.6%
17.3%	15,411	17,009	1,598	10.4%
18.5%	15,392	16,871	1,479	9.6%
19.8%	15,148	16,734	1,586	10.5%
21.0%	14,892	16,728	1,836	12.3%
22.2%	14,815	16,310	1,495	10.1%
23.5%	14,616	16,266	1,649	11.3%
24.7%	14,300	16,122	1,822	12.7%
25.9%	14,271	15,781	1,510	10.6%
27.2%	13,806	15,521	1,715	12.4%
28.4%	13,593	15,226	1,633	12.0%
29.6%	13,521	14,860	1,339	9.9%
30.9%	13,040	14,431	1,390	10.7%
32.1%	12,861	14,078	1,217	9.5%
33.3%	12,466	14,061	1,595	12.8%
34.6%	12,359	14,008	1,649	13.3%
35.8%	12,097	13,989	1,892	15.6%
37.0%	12,042	13,958	1,915	15.9%
38.3%	11,878	13,904	2,026	17.1%
39.5%	10,828	13,388	2,560	23.6%
40.7%	10,641	13,380	2,738	25.7%
42.0%	10,559	13,265	2,706	25.6%
43.2%	10,528	13,060	2,532	24.1%
44.4%	10,423	13,027	2,604	25.0%
45.7%	10,240	12,327	2,087	20.4%
46.9%	10,220	12,104	1,884	18.4%
48.1%	10,093	12,038	1,945	19.3%
49.4%	10,021	11,925	1,904	19.0%
50.6%	9,829	11,540	1,711	17.4%
51.9%	9,304	11,531	2,227	23.9%
53.1%	8,923	11,369	2,446	27.4%
54.3%	8,419	11,240	2,821	33.5%
55.6%	8,334	11,034	2,700	32.4%
56.8%	8,100	10,627	2,527	31.2%
58.0%	8,002	10,002	2,000	25.0%
59.3%	7,887	9,990	2,102	26.7%
60.5%	7,845	9,945	2,099	26.8%
61.7%	7,811	9,372	1,561	20.0%
63.0%	7,616	8,640	1,024	13.4%
64.2%	7,423	8,358	935	12.6%
65.4%	7,154	8,113	960	13.4%
66.7%	6,928	8,018	1,090	15.7%
67.9%	6,798	7,673	875	12.9%
69.1%	6,581	7,383	802	12.2%
70.4%	6,460	7,328	868	13.4%
71.6%	6,304	6,879	575	9.1%
72.8%	5,877	6,688	811	13.8%
74.1%	5,649	6,483	834	14.8%
75.3%	5,506	6,421	915	16.6%
76.5%	5,387	6,405	1,019	18.9%
77.8%	5,278	6,178	900	17.1%
79.0%	5,027	6,052	1,025	20.4%
80.2%	4,950	5,678	728	14.7%
81.5%	4,825	5,228	403	8.3%
82.7%	4,576	5,105	529	11.6%
84.0%	4,500	5,010	510	11.3%
85.2%	4,500	5,007	507	11.3%
86.4%	4,500	4,967	467	10.4%
87.7%	4,500	4,862	362	8.1%
88.9%	4,196	4,500	304	7.3%
90.1%	3,945	4,375	430	10.9%
91.4%	3,683	4,029	346	9.4%
92.6%	3,500	3,635	135	3.8%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	2,928	3,406	478	16.3%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	121,583	121,712	130	0.1%
1.2%	80,437	76,416	-4,021	-5.0%
2.5%	79,307	74,427	-4,880	-6.2%
3.7%	77,355	73,624	-3,731	-4.8%
4.9%	70,727	69,760	-967	-1.4%
6.2%	60,037	59,910	-127	-0.2%
7.4%	59,468	59,473	5	0.0%
8.6%	58,046	57,106	-940	-1.6%
9.9%	57,686	56,719	-967	-1.7%
11.1%	55,261	50,290	-4,972	-9.0%
12.3%	47,185	42,804	-4,381	-9.3%
13.6%	45,211	39,806	-5,405	-12.0%
14.8%	43,482	38,798	-4,684	-10.8%
16.0%	34,606	37,532	2,926	8.5%
17.3%	33,948	35,967	2,019	5.9%
18.5%	33,702	32,089	-1,613	-4.8%
19.8%	32,755	31,410	-1,345	-4.1%
21.0%	32,678	30,029	-2,649	-8.1%
22.2%	29,845	28,416	-1,428	-4.8%
23.5%	27,263	26,601	-662	-2.4%
24.7%	24,526	25,276	749	3.1%
25.9%	24,313	22,153	-2,160	-8.9%
27.2%	22,247	20,572	-1,675	-7.5%
28.4%	21,880	19,739	-2,140	-9.8%
29.6%	19,580	18,735	-845	-4.3%
30.9%	19,562	16,729	-2,833	-14.5%
32.1%	19,015	16,043	-2,972	-15.6%
33.3%	18,477	15,599	-2,878	-15.6%
34.6%	17,557	15,375	-2,182	-12.4%
35.8%	16,942	15,364	-1,578	-9.3%
37.0%	16,663	14,716	-1,947	-11.7%
38.3%	15,419	14,517	-902	-5.9%
39.5%	15,051	14,478	-573	-3.8%
40.7%	14,807	14,133	-674	-4.6%
42.0%	14,636	14,096	-540	-3.7%
43.2%	14,178	12,982	-1,196	-8.4%
44.4%	13,606	12,840	-765	-5.6%
45.7%	13,506	12,822	-684	-5.1%
46.9%	13,399	12,777	-622	-4.6%
48.1%	13,279	11,945	-1,334	-10.0%
49.4%	12,698	11,738	-961	-7.6%
50.6%	11,921	11,649	-272	-2.3%
51.9%	11,799	11,617	-181	-1.5%
53.1%	11,776	11,569	-207	-1.8%
54.3%	11,597	11,511	-86	-0.7%
55.6%	11,559	11,410	-148	-1.3%
56.8%	11,010	11,094	84	0.8%
58.0%	10,983	11,044	61	0.6%
59.3%	10,977	10,738	-240	-2.2%
60.5%	10,777	10,420	-357	-3.3%
61.7%	10,362	10,180	-182	-1.8%
63.0%	9,977	10,153	176	1.8%
64.2%	9,868	9,911	42	0.4%
65.4%	9,781	9,886	104	1.1%
66.7%	9,696	9,884	188	1.9%
67.9%	9,685	9,845	160	1.6%
69.1%	9,527	9,746	219	2.3%
70.4%	9,270	9,740	470	5.1%
71.6%	9,265	9,233	-32	-0.3%
72.8%	9,130	9,158	28	0.3%
74.1%	9,014	9,133	119	1.3%
75.3%	8,919	9,028	110	1.2%
76.5%	8,856	8,788	-68	-0.8%
77.8%	8,647	8,680	33	0.4%
79.0%	8,473	8,500	27	0.3%
80.2%	7,996	8,118	122	1.5%
81.5%	7,931	7,704	-227	-2.9%
82.7%	7,672	7,690	18	0.2%
84.0%	7,629	7,227	-402	-5.3%
85.2%	7,597	7,042	-554	-7.3%
86.4%	6,798	7,015	218	3.2%
87.7%	6,694	6,946	253	3.8%
88.9%	6,134	6,891	757	12.3%
90.1%	5,861	6,717	856	14.6%
91.4%	5,825	6,219	394	6.8%
92.6%	5,662	6,025	363	6.4%
93.8%	5,627	6,019	391	7.0%
95.1%	5,247	6,009	762	14.5%
96.3%	4,500	5,894	1,394	31.0%
97.5%	4,446	5,444	998	22.5%
98.8%	3,939	4,726	787	20.0%
100.0%	3,874	4,383	509	13.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200,996	197,488	-3,508	-1.7%
1.2%	181,522	179,065	-2,458	-1.4%
2.5%	133,631	128,505	-5,126	-3.8%
3.7%	119,022	119,051	29	0.0%
4.9%	102,413	96,786	-5,627	-5.5%
6.2%	96,892	96,556	-336	-0.3%
7.4%	95,130	92,373	-2,757	-2.9%
8.6%	88,148	88,290	142	0.2%
9.9%	88,029	84,765	-3,263	-3.7%
11.1%	86,969	80,114	-6,855	-7.9%
12.3%	71,671	71,546	-124	-0.2%
13.6%	71,662	65,128	-6,534	-9.1%
14.8%	68,159	64,833	-3,326	-4.9%
16.0%	65,987	64,214	-1,774	-2.7%
17.3%	62,761	58,934	-3,827	-6.1%
18.5%	61,275	56,795	-4,479	-7.3%
19.8%	58,055	54,723	-3,332	-5.7%
21.0%	54,054	51,115	-2,939	-5.4%
22.2%	52,137	49,992	-2,145	-4.1%
23.5%	51,353	47,464	-3,888	-7.6%
24.7%	46,740	46,764	24	0.1%
25.9%	43,167	41,774	-1,393	-3.2%
27.2%	42,674	39,272	-3,402	-8.0%
28.4%	42,561	38,972	-3,589	-8.4%
29.6%	40,899	36,589	-4,310	-10.5%
30.9%	40,412	36,393	-4,019	-9.9%
32.1%	39,931	34,729	-5,202	-13.0%
33.3%	35,330	34,678	-651	-1.8%
34.6%	34,716	34,269	-448	-1.3%
35.8%	34,294	31,630	-2,663	-7.8%
37.0%	28,664	25,863	-2,801	-9.8%
38.3%	28,660	25,567	-3,092	-10.8%
39.5%	27,181	25,116	-2,065	-7.6%
40.7%	26,381	24,174	-2,207	-8.4%
42.0%	24,310	20,879	-3,431	-14.1%
43.2%	24,123	19,995	-4,128	-17.1%
44.4%	23,049	19,798	-3,251	-14.1%
45.7%	22,212	18,027	-4,185	-18.8%
46.9%	21,299	17,783	-3,517	-16.5%
48.1%	20,603	17,476	-3,127	-15.2%
49.4%	20,076	17,311	-2,764	-13.8%
50.6%	19,982	16,925	-3,057	-15.3%
51.9%	19,405	16,610	-2,796	-14.4%
53.1%	19,181	16,481	-2,699	-14.1%
54.3%	18,984	16,252	-2,732	-14.4%
55.6%	17,922	15,825	-2,098	-11.7%
56.8%	17,636	15,784	-1,852	-10.5%
58.0%	17,253	15,491	-1,762	-10.2%
59.3%	17,125	15,489	-1,637	-9.6%
60.5%	16,689	15,076	-1,614	-9.7%
61.7%	16,027	14,447	-1,580	-9.9%
63.0%	15,703	13,894	-1,808	-11.5%
64.2%	15,112	13,703	-1,409	-9.3%
65.4%	15,105	12,960	-2,144	-14.2%
66.7%	14,380	12,901	-1,479	-10.3%
67.9%	13,581	12,887	-693	-5.1%
69.1%	12,973	12,531	-441	-3.4%
70.4%	12,740	12,417	-322	-2.5%
71.6%	12,568	12,219	-348	-2.8%
72.8%	12,210	12,201	-9	-0.1%
74.1%	11,577	12,173	596	5.1%
75.3%	11,407	12,168	761	6.7%
76.5%	11,314	12,166	852	7.5%
77.8%	11,110	12,140	1,029	9.3%
79.0%	11,050	12,127	1,077	9.7%
80.2%	10,995	12,100	1,104	10.0%
81.5%	10,907	11,809	902	8.3%
82.7%	10,885	11,664	779	7.2%
84.0%	10,862	11,578	716	6.6%
85.2%	10,643	11,444	801	7.5%
86.4%	10,622	11,022	401	3.8%
87.7%	10,090	10,811	721	7.1%
88.9%	9,964	10,719	755	7.6%
90.1%	9,923	10,265	342	3.4%
91.4%	9,759	10,198	439	4.5%
92.6%	9,237	10,089	852	9.2%
93.8%	9,025	9,941	916	10.2%
95.1%	8,639	9,906	1,267	14.7%
96.3%	8,457	8,417	-40	-0.5%
97.5%	8,134	8,336	202	2.5%
98.8%	7,814	7,432	-382	-4.9%
100.0%	7,658	5,520	-2,138	-27.9%

Table SW-32-7b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	185,158	181,545	-3,613	-2.0%
1.2%	179,959	180,524	565	0.3%
2.5%	140,370	139,219	-1,151	-0.8%
3.7%	131,401	131,400	0	0.0%
4.9%	124,357	124,387	30	0.0%
6.2%	112,388	118,067	5,679	5.1%
7.4%	110,076	108,744	-1,333	-1.2%
8.6%	104,275	102,516	-1,759	-1.7%
9.9%	103,682	100,062	-3,620	-3.5%
11.1%	101,743	97,274	-4,469	-4.4%
12.3%	101,344	96,776	-4,568	-4.5%
13.6%	90,473	88,028	-2,446	-2.7%
14.8%	81,413	80,116	-1,298	-1.6%
16.0%	76,771	76,141	-630	-0.8%
17.3%	76,126	75,355	-771	-1.0%
18.5%	70,591	66,351	-4,240	-6.0%
19.8%	65,332	65,415	83	0.1%
21.0%	65,029	62,045	-2,984	-4.6%
22.2%	64,040	61,577	-2,464	-3.8%
23.5%	60,951	60,682	-269	-0.4%
24.7%	57,007	55,940	-1,067	-1.9%
25.9%	56,800	55,126	-1,674	-2.9%
27.2%	52,797	52,299	-498	-0.9%
28.4%	52,584	52,217	-367	-0.7%
29.6%	51,289	49,691	-1,598	-3.1%
30.9%	48,689	45,428	-3,261	-6.7%
32.1%	48,111	44,830	-3,281	-6.8%
33.3%	47,471	44,021	-3,450	-7.3%
34.6%	46,481	43,850	-2,630	-5.7%
35.8%	45,300	42,433	-2,867	-6.3%
37.0%	43,765	42,297	-1,468	-3.4%
38.3%	43,419	42,275	-1,144	-2.6%
39.5%	42,653	42,235	-418	-1.0%
40.7%	41,307	37,664	-3,643	-8.8%
42.0%	40,761	37,278	-3,483	-8.5%
43.2%	38,162	35,445	-2,717	-7.1%
44.4%	35,432	34,534	-898	-2.5%
45.7%	31,724	29,022	-2,702	-8.5%
46.9%	31,320	28,330	-2,991	-9.5%
48.1%	30,111	27,658	-2,453	-8.1%
49.4%	28,620	25,144	-3,476	-12.1%
50.6%	28,617	25,142	-3,475	-12.1%
51.9%	28,574	24,972	-3,602	-12.6%
53.1%	27,387	24,879	-2,508	-9.2%
54.3%	27,302	24,651	-2,651	-9.7%
55.6%	24,625	22,349	-2,276	-9.2%
56.8%	21,737	20,202	-1,536	-7.1%
58.0%	21,731	18,967	-2,765	-12.7%
59.3%	21,244	18,478	-2,766	-13.0%
60.5%	20,570	18,354	-2,216	-10.8%
61.7%	20,370	17,916	-2,455	-12.0%
63.0%	19,790	17,810	-1,981	-10.0%
64.2%	19,676	17,807	-1,869	-9.5%
65.4%	18,870	16,059	-2,811	-14.9%
66.7%	18,622	15,827	-2,795	-15.0%
67.9%	16,257	15,397	-860	-5.3%
69.1%	15,551	15,099	-452	-2.9%
70.4%	15,165	14,363	-801	-5.3%
71.6%	14,583	13,737	-846	-5.8%
72.8%	14,530	13,302	-1,228	-8.4%
74.1%	13,927	13,025	-902	-6.5%
75.3%	13,388	12,813	-575	-4.3%
76.5%	13,376	12,791	-585	-4.4%
77.8%	13,366	12,124	-1,241	-9.3%
79.0%	13,015	11,871	-1,144	-8.8%
80.2%	12,478	11,813	-665	-5.3%
81.5%	12,127	11,616	-511	-4.2%
82.7%	11,597	11,209	-389	-3.3%
84.0%	11,330	11,193	-137	-1.2%
85.2%	10,771	11,111	340	3.2%
86.4%	10,646	10,895	250	2.3%
87.7%	10,500	10,476	-24	-0.2%
88.9%	10,385	10,431	45	0.4%
90.1%	10,309	10,189	-120	-1.2%
91.4%	9,774	9,789	15	0.2%
92.6%	9,754	9,679	-76	-0.8%
93.8%	9,398	9,404	6	0.1%
95.1%	9,081	9,313	232	2.6%
96.3%	7,999	9,238	1,239	15.5%
97.5%	7,092	8,213	1,121	15.8%
98.8%	6,567	7,844	1,277	19.4%
100.0%	5,993	7,239	1,245	20.8%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	189,717	189,722	5	0.0%
1.2%	181,929	176,634	-5,295	-2.9%
2.5%	128,286	128,322	35	0.0%
3.7%	107,918	102,805	-5,113	-4.7%
4.9%	100,474	100,396	-78	-0.1%
6.2%	96,879	94,711	-2,169	-2.2%
7.4%	94,703	88,981	-5,722	-6.0%
8.6%	76,419	73,715	-2,705	-3.5%
9.9%	73,545	72,489	-1,057	-1.4%
11.1%	72,056	69,297	-2,758	-3.8%
12.3%	66,380	66,170	-210	-0.3%
13.6%	61,713	61,705	-8	0.0%
14.8%	61,213	61,220	7	0.0%
16.0%	59,248	57,407	-1,841	-3.1%
17.3%	57,454	54,813	-2,641	-4.6%
18.5%	55,236	53,224	-2,012	-3.6%
19.8%	51,720	51,729	9	0.0%
21.0%	49,962	49,216	-746	-1.5%
22.2%	48,480	48,682	202	0.4%
23.5%	47,977	47,983	5	0.0%
24.7%	42,734	42,754	20	0.0%
25.9%	41,874	41,222	-652	-1.6%
27.2%	40,810	39,199	-1,611	-3.9%
28.4%	39,318	35,455	-3,863	-9.8%
29.6%	39,303	34,895	-4,409	-11.2%
30.9%	37,906	33,279	-4,627	-12.2%
32.1%	36,065	31,660	-4,405	-12.2%
33.3%	35,111	31,292	-3,819	-10.9%
34.6%	34,555	30,795	-3,760	-10.9%
35.8%	31,945	30,344	-1,601	-5.0%
37.0%	30,867	29,837	-1,029	-3.3%
38.3%	30,264	28,592	-1,673	-5.5%
39.5%	29,000	28,410	-590	-2.0%
40.7%	28,397	26,588	-1,809	-6.4%
42.0%	27,695	25,229	-2,466	-8.9%
43.2%	27,186	23,885	-3,300	-12.1%
44.4%	26,208	22,240	-3,968	-15.1%
45.7%	24,690	21,978	-2,713	-11.0%
46.9%	23,878	21,591	-2,288	-9.6%
48.1%	23,423	20,750	-2,673	-11.4%
49.4%	22,377	20,666	-1,711	-7.6%
50.6%	22,122	19,913	-2,210	-10.0%
51.9%	20,754	18,202	-2,552	-12.3%
53.1%	20,638	18,169	-2,468	-12.0%
54.3%	20,538	17,577	-2,961	-14.4%
55.6%	19,931	17,193	-2,738	-13.7%
56.8%	19,689	16,189	-3,501	-17.8%
58.0%	19,409	15,655	-3,755	-19.3%
59.3%	18,452	15,340	-3,112	-16.9%
60.5%	18,026	15,335	-2,691	-14.9%
61.7%	17,853	14,703	-3,151	-17.6%
63.0%	17,218	14,552	-2,666	-15.5%
64.2%	17,122	14,430	-2,692	-15.7%
65.4%	16,470	14,183	-2,287	-13.9%
66.7%	16,328	13,984	-2,344	-14.4%
67.9%	16,313	13,792	-2,521	-15.5%
69.1%	16,158	13,760	-2,398	-14.8%
70.4%	16,138	13,444	-2,694	-16.7%
71.6%	15,556	13,120	-2,437	-15.7%
72.8%	15,556	12,806	-2,750	-17.7%
74.1%	15,310	12,005	-3,305	-21.6%
75.3%	15,179	11,700	-3,479	-22.9%
76.5%	14,003	11,384	-2,619	-18.7%
77.8%	12,680	10,603	-2,077	-16.4%
79.0%	12,596	10,587	-2,009	-15.9%
80.2%	11,441	10,566	-875	-7.6%
81.5%	11,303	10,490	-813	-7.2%
82.7%	10,793	10,326	-468	-4.3%
84.0%	9,994	10,287	293	2.9%
85.2%	9,652	9,815	163	1.7%
86.4%	9,632	9,749	117	1.2%
87.7%	9,346	9,450	103	1.1%
88.9%	8,875	9,357	482	5.4%
90.1%	8,738	9,299	561	6.4%
91.4%	8,651	8,540	-111	-1.3%
92.6%	8,390	8,255	-134	-1.6%
93.8%	8,285	8,104	-181	-2.2%
95.1%	8,031	7,872	-159	-2.0%
96.3%	6,734	7,629	895	13.3%
97.5%	6,375	7,253	877	13.8%
98.8%	5,931	7,065	1,134	19.1%
100.0%	5,608	6,417	810	14.4%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,750	102,750	0	0.0%
1.2%	80,513	80,547	33	0.0%
2.5%	72,360	72,358	-2	0.0%
3.7%	60,667	60,687	20	0.0%
4.9%	59,404	59,405	1	0.0%
6.2%	56,679	54,043	-2,636	-4.7%
7.4%	53,501	53,509	9	0.0%
8.6%	53,114	53,100	-14	0.0%
9.9%	52,368	52,358	-10	0.0%
11.1%	47,277	44,890	-2,387	-5.0%
12.3%	42,779	42,774	-6	0.0%
13.6%	40,809	40,154	-656	-1.6%
14.8%	40,167	38,409	-1,758	-4.4%
16.0%	39,989	37,796	-2,193	-5.5%
17.3%	36,652	36,435	-217	-0.6%
18.5%	36,431	34,897	-1,534	-4.2%
19.8%	34,856	34,755	-101	-0.3%
21.0%	34,767	34,567	-200	-0.6%
22.2%	34,486	33,773	-713	-2.1%
23.5%	31,547	29,242	-2,305	-7.3%
24.7%	31,135	28,201	-2,934	-9.4%
25.9%	21,172	21,149	-24	-0.1%
27.2%	20,996	20,968	-28	-0.1%
28.4%	20,925	20,659	-266	-1.3%
29.6%	20,805	19,432	-1,373	-6.6%
30.9%	20,752	18,889	-1,863	-9.0%
32.1%	19,987	18,580	-1,407	-7.0%
33.3%	19,909	18,365	-1,545	-7.8%
34.6%	18,566	18,341	-226	-1.2%
35.8%	18,340	17,592	-748	-4.1%
37.0%	17,492	17,570	78	0.4%
38.3%	17,492	17,220	-272	-1.6%
39.5%	17,357	16,861	-495	-2.9%
40.7%	17,318	16,653	-665	-3.8%
42.0%	16,829	15,299	-1,530	-9.1%
43.2%	14,945	15,258	313	2.1%
44.4%	14,585	14,690	105	0.7%
45.7%	14,460	14,376	-84	-0.6%
46.9%	14,403	13,729	-674	-4.7%
48.1%	13,455	13,370	-86	-0.6%
49.4%	13,315	13,232	-82	-0.6%
50.6%	12,710	12,747	37	0.3%
51.9%	12,674	12,674	0	0.0%
53.1%	11,581	11,639	58	0.5%
54.3%	11,012	11,127	116	1.1%
55.6%	10,813	11,013	200	1.8%
56.8%	10,744	10,887	143	1.3%
58.0%	10,129	10,826	697	6.9%
59.3%	10,033	10,561	528	5.3%
60.5%	10,003	10,005	2	0.0%
61.7%	9,950	9,931	-19	-0.2%
63.0%	9,872	9,744	-128	-1.3%
64.2%	9,477	9,563	86	0.9%
65.4%	9,374	9,511	137	1.5%
66.7%	9,352	9,387	35	0.4%
67.9%	9,291	9,385	94	1.0%
69.1%	9,199	9,188	-11	-0.1%
70.4%	9,107	9,002	-104	-1.1%
71.6%	8,910	8,908	-2	0.0%
72.8%	8,877	8,825	-52	-0.6%
74.1%	8,766	8,743	-23	-0.3%
75.3%	8,709	8,727	18	0.2%
76.5%	8,635	8,676	41	0.5%
77.8%	8,526	8,670	143	1.7%
79.0%	8,521	8,547	26	0.3%
80.2%	8,396	8,395	-1	0.0%
81.5%	8,331	8,165	-166	-2.0%
82.7%	7,763	8,073	310	4.0%
84.0%	7,637	7,987	350	4.6%
85.2%	7,431	7,606	175	2.4%
86.4%	7,429	7,590	161	2.2%
87.7%	7,263	7,487	224	3.1%
88.9%	7,153	7,377	225	3.1%
90.1%	7,145	7,318	172	2.4%
91.4%	7,144	7,302	158	2.2%
92.6%	7,094	7,121	27	0.4%
93.8%	7,067	7,094	27	0.4%
95.1%	6,951	7,072	121	1.7%
96.3%	6,358	6,739	381	6.0%
97.5%	6,284	6,016	-268	-4.3%
98.8%	5,972	5,963	-9	-0.2%
100.0%	5,249	4,989	-260	-5.0%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,076	56,385	-1,692	-2.9%
1.2%	49,536	49,444	-91	-0.2%
2.5%	46,892	46,898	6	0.0%
3.7%	45,221	45,224	2	0.0%
4.9%	40,881	40,559	-323	-0.8%
6.2%	37,250	37,320	70	0.2%
7.4%	36,604	36,603	-1	0.0%
8.6%	35,934	35,843	-91	-0.3%
9.9%	35,393	35,321	-72	-0.2%
11.1%	34,837	34,837	0	0.0%
12.3%	33,504	34,003	500	1.5%
13.6%	33,406	33,406	0	0.0%
14.8%	32,421	32,260	-161	-0.5%
16.0%	26,472	26,896	424	1.6%
17.3%	25,635	26,463	828	3.2%
18.5%	23,013	23,007	-5	0.0%
19.8%	23,003	22,181	-821	-3.6%
21.0%	22,527	21,856	-671	-3.0%
22.2%	21,342	21,713	371	1.7%
23.5%	20,785	18,780	-2,005	-9.6%
24.7%	19,447	18,130	-1,318	-6.8%
25.9%	18,564	17,646	-918	-4.9%
27.2%	16,207	16,179	-28	-0.2%
28.4%	15,080	14,778	-302	-2.0%
29.6%	14,409	14,354	-55	-0.4%
30.9%	14,307	13,759	-548	-3.8%
32.1%	13,931	13,609	-322	-2.3%
33.3%	13,609	12,966	-643	-4.7%
34.6%	12,774	12,680	-94	-0.7%
35.8%	12,678	12,258	-420	-3.3%
37.0%	12,269	12,066	-202	-1.6%
38.3%	11,671	12,039	367	3.1%
39.5%	11,669	11,640	-29	-0.2%
40.7%	11,390	11,377	-13	-0.1%
42.0%	11,019	11,023	5	0.0%
43.2%	10,856	10,843	-13	-0.1%
44.4%	10,856	10,828	-27	-0.3%
45.7%	10,647	10,650	3	0.0%
46.9%	10,363	10,631	268	2.6%
48.1%	10,241	10,322	81	0.8%
49.4%	10,235	10,231	-4	0.0%
50.6%	10,232	9,933	-299	-2.9%
51.9%	9,400	9,373	-27	-0.3%
53.1%	9,095	9,328	233	2.6%
54.3%	9,046	9,096	49	0.5%
55.6%	8,973	9,094	121	1.3%
56.8%	8,891	8,992	101	1.1%
58.0%	8,793	8,865	73	0.8%
59.3%	8,726	8,792	66	0.8%
60.5%	8,627	8,731	104	1.2%
61.7%	8,483	8,721	237	2.8%
63.0%	8,254	8,668	414	5.0%
64.2%	8,094	8,629	535	6.6%
65.4%	8,048	7,909	-140	-1.7%
66.7%	7,912	7,885	-28	-0.3%
67.9%	7,810	7,868	58	0.7%
69.1%	7,763	7,816	52	0.7%
70.4%	7,715	7,762	47	0.6%
71.6%	7,684	7,724	39	0.5%
72.8%	7,641	7,654	12	0.2%
74.1%	7,619	7,615	-4	-0.1%
75.3%	7,445	7,610	165	2.2%
76.5%	7,422	7,548	126	1.7%
77.8%	7,377	7,473	96	1.3%
79.0%	7,112	7,048	-65	-0.9%
80.2%	6,945	7,032	87	1.3%
81.5%	6,824	6,906	82	1.2%
82.7%	6,733	6,830	96	1.4%
84.0%	6,448	6,814	367	5.7%
85.2%	6,428	6,806	378	5.9%
86.4%	6,418	6,395	-24	-0.4%
87.7%	6,354	6,332	-22	-0.4%
88.9%	6,230	6,010	-220	-3.5%
90.1%	6,146	5,925	-221	-3.6%
91.4%	5,731	5,769	38	0.7%
92.6%	5,547	5,726	179	3.2%
93.8%	5,140	5,607	467	9.1%
95.1%	4,639	4,597	-42	-0.9%
96.3%	4,607	4,235	-372	-8.1%
97.5%	4,227	4,124	-103	-2.4%
98.8%	4,126	3,979	-147	-3.6%
100.0%	3,464	3,670	206	5.9%

Table SW-32-7b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,967	54,789	-178	-0.3%
1.2%	43,324	43,336	12	0.0%
2.5%	31,087	31,926	838	2.7%
3.7%	30,854	31,909	1,055	3.4%
4.9%	29,275	31,368	2,093	7.1%
6.2%	28,510	28,916	407	1.4%
7.4%	28,018	28,429	411	1.5%
8.6%	23,753	24,679	925	3.9%
9.9%	20,851	20,406	-444	-2.1%
11.1%	15,023	20,164	5,141	34.2%
12.3%	14,784	14,614	-170	-1.2%
13.6%	14,253	13,540	-712	-5.0%
14.8%	13,198	13,536	337	2.6%
16.0%	12,257	12,987	730	6.0%
17.3%	12,142	12,803	661	5.4%
18.5%	12,034	12,222	188	1.6%
19.8%	11,761	11,968	207	1.8%
21.0%	10,986	11,347	361	3.3%
22.2%	10,316	10,661	345	3.3%
23.5%	9,102	9,635	533	5.9%
24.7%	8,739	8,965	226	2.6%
25.9%	8,450	8,853	403	4.8%
27.2%	8,414	8,811	396	4.7%
28.4%	8,190	8,760	570	7.0%
29.6%	8,067	8,478	411	5.1%
30.9%	7,917	8,430	513	6.5%
32.1%	7,913	8,277	364	4.6%
33.3%	7,755	8,175	420	5.4%
34.6%	7,686	7,995	309	4.0%
35.8%	7,641	7,992	351	4.6%
37.0%	7,577	7,942	365	4.8%
38.3%	7,535	7,875	340	4.5%
39.5%	7,525	7,851	326	4.3%
40.7%	7,491	7,517	25	0.3%
42.0%	7,107	7,456	349	4.9%
43.2%	6,942	7,245	303	4.4%
44.4%	6,899	7,221	322	4.7%
45.7%	6,853	7,122	268	3.9%
46.9%	6,788	7,096	308	4.5%
48.1%	6,780	7,045	264	3.9%
49.4%	6,757	7,040	282	4.2%
50.6%	6,699	7,009	310	4.6%
51.9%	6,676	6,961	285	4.3%
53.1%	6,536	6,926	391	6.0%
54.3%	6,362	6,875	513	8.1%
55.6%	6,312	6,822	510	8.1%
56.8%	6,292	6,769	477	7.6%
58.0%	6,289	6,716	427	6.8%
59.3%	6,232	6,621	389	6.2%
60.5%	6,196	6,589	393	6.3%
61.7%	6,173	6,565	392	6.4%
63.0%	6,144	6,555	411	6.7%
64.2%	6,140	6,496	356	5.8%
65.4%	6,138	6,472	334	5.4%
66.7%	6,126	6,386	260	4.2%
67.9%	6,081	6,244	164	2.7%
69.1%	5,979	6,226	247	4.1%
70.4%	5,880	6,226	346	5.9%
71.6%	5,859	6,204	346	5.9%
72.8%	5,822	6,165	343	5.9%
74.1%	5,815	6,076	261	4.5%
75.3%	5,814	6,062	247	4.3%
76.5%	5,747	6,038	291	5.1%
77.8%	5,662	5,946	283	5.0%
79.0%	5,569	5,903	334	6.0%
80.2%	5,332	5,896	564	10.6%
81.5%	5,303	5,827	523	9.9%
82.7%	5,291	5,526	235	4.4%
84.0%	5,205	5,521	316	6.1%
85.2%	5,158	5,402	243	4.7%
86.4%	5,157	5,349	192	3.7%
87.7%	5,037	5,301	265	5.3%
88.9%	4,908	5,294	386	7.9%
90.1%	4,821	5,012	191	4.0%
91.4%	4,527	4,878	351	7.8%
92.6%	4,378	4,222	-156	-3.6%
93.8%	3,795	4,040	245	6.5%
95.1%	3,671	3,832	161	4.4%
96.3%	3,632	3,797	164	4.5%
97.5%	3,279	3,631	352	10.7%
98.8%	3,243	3,444	202	6.2%
100.0%	3,201	3,281	79	2.5%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,373	20,880	6,507	45.3%
1.2%	14,333	20,799	6,466	45.1%
2.5%	14,278	20,779	6,501	45.5%
3.7%	14,182	20,660	6,478	45.7%
4.9%	14,034	20,567	6,533	46.6%
6.2%	14,024	20,526	6,502	46.4%
7.4%	13,992	20,427	6,435	46.0%
8.6%	13,645	20,106	6,461	47.4%
9.9%	13,628	20,051	6,424	47.1%
11.1%	13,612	20,021	6,409	47.1%
12.3%	13,600	14,540	939	6.9%
13.6%	13,526	14,351	825	6.1%
14.8%	13,494	14,309	815	6.0%
16.0%	13,447	14,189	742	5.5%
17.3%	13,416	14,062	646	4.8%
18.5%	13,296	13,948	652	4.9%
19.8%	13,236	13,882	646	4.9%
21.0%	12,881	13,819	938	7.3%
22.2%	12,740	13,809	1,069	8.4%
23.5%	12,645	13,665	1,020	8.1%
24.7%	12,604	13,471	868	6.9%
25.9%	12,580	13,234	654	5.2%
27.2%	12,506	13,168	662	5.3%
28.4%	12,411	13,032	621	5.0%
29.6%	12,216	13,001	785	6.4%
30.9%	12,001	12,921	920	7.7%
32.1%	11,941	12,843	902	7.6%
33.3%	11,780	12,744	964	8.2%
34.6%	11,698	12,614	915	7.8%
35.8%	11,441	12,602	1,161	10.1%
37.0%	11,441	12,554	1,113	9.7%
38.3%	11,441	12,492	1,051	9.2%
39.5%	11,355	12,318	963	8.5%
40.7%	11,180	12,023	844	7.5%
42.0%	11,005	12,006	1,000	9.1%
43.2%	10,961	11,976	1,014	9.3%
44.4%	10,935	11,966	1,031	9.4%
45.7%	10,914	11,920	1,006	9.2%
46.9%	10,904	11,899	995	9.1%
48.1%	10,884	11,898	1,014	9.3%
49.4%	10,848	11,896	1,048	9.7%
50.6%	10,835	11,889	1,054	9.7%
51.9%	10,829	11,866	1,037	9.6%
53.1%	10,826	11,839	1,013	9.4%
54.3%	10,807	11,797	989	9.2%
55.6%	10,788	11,793	1,006	9.3%
56.8%	10,778	11,712	934	8.7%
58.0%	10,767	11,701	934	8.7%
59.3%	10,645	11,660	1,015	9.5%
60.5%	10,598	11,522	924	8.7%
61.7%	10,543	11,351	808	7.7%
63.0%	10,321	11,202	880	8.5%
64.2%	10,129	11,133	1,004	9.9%
65.4%	9,915	10,919	1,003	10.1%
66.7%	9,907	10,841	934	9.4%
67.9%	9,896	10,663	767	7.8%
69.1%	9,854	10,431	578	5.9%
70.4%	9,760	10,102	341	3.5%
71.6%	9,408	10,061	654	6.9%
72.8%	9,120	10,061	941	10.3%
74.1%	9,037	10,041	1,004	11.1%
75.3%	9,002	10,036	1,035	11.5%
76.5%	9,001	9,554	554	6.2%
77.8%	8,901	9,409	508	5.7%
79.0%	8,875	9,180	305	3.4%
80.2%	8,494	8,901	407	4.8%
81.5%	8,372	8,570	197	2.4%
82.7%	8,123	8,507	385	4.7%
84.0%	7,958	8,433	475	6.0%
85.2%	7,824	8,325	502	6.4%
86.4%	7,286	8,208	922	12.7%
87.7%	7,248	8,114	866	11.9%
88.9%	7,053	7,950	897	12.7%
90.1%	6,782	7,604	822	12.1%
91.4%	6,515	7,585	1,070	16.4%
92.6%	6,496	7,468	972	15.0%
93.8%	6,489	7,060	571	8.8%
95.1%	5,902	6,515	613	10.4%
96.3%	5,718	6,314	596	10.4%
97.5%	4,713	5,886	1,174	24.9%
98.8%	3,208	4,238	1,030	32.1%
100.0%	2,656	2,632	-25	-0.9%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,312	13,184	1,872	16.6%
1.2%	11,023	11,867	844	7.7%
2.5%	11,005	11,616	611	5.6%
3.7%	10,652	11,183	531	5.0%
4.9%	10,131	11,150	1,019	10.1%
6.2%	10,096	11,097	1,001	9.9%
7.4%	10,093	11,062	968	9.6%
8.6%	10,009	11,048	1,040	10.4%
9.9%	9,953	10,906	953	9.6%
11.1%	9,822	10,818	997	10.1%
12.3%	9,707	10,716	1,009	10.4%
13.6%	9,670	10,674	1,004	10.4%
14.8%	9,611	10,669	1,058	11.0%
16.0%	9,576	10,659	1,083	11.3%
17.3%	9,551	10,612	1,061	11.1%
18.5%	9,519	10,576	1,056	11.1%
19.8%	9,488	10,543	1,055	11.1%
21.0%	9,404	10,537	1,133	12.0%
22.2%	9,399	10,262	863	9.2%
23.5%	9,347	10,247	900	9.6%
24.7%	9,324	10,174	849	9.1%
25.9%	9,266	10,158	892	9.6%
27.2%	9,257	10,062	805	8.7%
28.4%	9,229	10,054	825	8.9%
29.6%	9,200	9,927	727	7.9%
30.9%	9,198	9,866	668	7.3%
32.1%	9,184	9,743	559	6.1%
33.3%	9,182	9,661	479	5.2%
34.6%	9,147	9,590	442	4.8%
35.8%	9,056	9,586	531	5.9%
37.0%	9,043	9,473	430	4.8%
38.3%	8,995	9,447	453	5.0%
39.5%	8,935	9,412	478	5.3%
40.7%	8,867	9,267	400	4.5%
42.0%	8,859	9,230	371	4.2%
43.2%	8,841	9,200	360	4.1%
44.4%	8,776	9,185	410	4.7%
45.7%	8,750	9,091	341	3.9%
46.9%	8,715	9,040	325	3.7%
48.1%	8,665	8,934	269	3.1%
49.4%	8,600	8,855	255	3.0%
50.6%	8,546	8,851	305	3.6%
51.9%	8,423	8,796	373	4.4%
53.1%	8,402	8,776	374	4.5%
54.3%	8,394	8,773	378	4.5%
55.6%	8,394	8,656	263	3.1%
56.8%	8,304	8,600	296	3.6%
58.0%	8,278	8,568	290	3.5%
59.3%	8,158	8,455	297	3.6%
60.5%	8,064	8,392	328	4.1%
61.7%	8,052	8,307	255	3.2%
63.0%	7,989	8,305	316	4.0%
64.2%	7,975	8,160	186	2.3%
65.4%	7,930	8,064	134	1.7%
66.7%	7,911	8,053	143	1.8%
67.9%	7,849	7,973	125	1.6%
69.1%	7,785	7,908	124	1.6%
70.4%	7,665	7,886	222	2.9%
71.6%	7,633	7,864	231	3.0%
72.8%	7,629	7,853	224	2.9%
74.1%	7,608	7,815	207	2.7%
75.3%	7,224	7,784	560	7.7%
76.5%	7,216	7,598	381	5.3%
77.8%	7,119	7,557	438	6.1%
79.0%	6,870	7,545	675	9.8%
80.2%	6,551	7,374	823	12.6%
81.5%	6,338	7,214	876	13.8%
82.7%	6,197	7,205	1,009	16.3%
84.0%	6,109	7,198	1,089	17.8%
85.2%	6,071	7,120	1,049	17.3%
86.4%	4,659	6,842	2,183	46.9%
87.7%	4,404	6,453	2,049	46.5%
88.9%	3,871	6,156	2,286	59.1%
90.1%	3,700	5,783	2,083	56.3%
91.4%	3,470	5,596	2,126	61.3%
92.6%	3,392	5,543	2,151	63.4%
93.8%	3,155	5,046	1,892	60.0%
95.1%	2,526	4,768	2,241	88.7%
96.3%	2,430	3,880	1,450	59.7%
97.5%	2,318	3,653	1,336	57.6%
98.8%	2,269	3,430	1,161	51.2%
100.0%	2,203	2,921	717	32.6%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,830	25,830	0	0.0%
1.2%	25,080	25,518	438	1.7%
2.5%	24,994	25,242	248	1.0%
3.7%	24,955	25,210	255	1.0%
4.9%	24,736	25,089	352	1.4%
6.2%	24,728	24,961	233	0.9%
7.4%	24,440	24,876	436	1.8%
8.6%	24,229	24,710	481	2.0%
9.9%	24,136	24,476	339	1.4%
11.1%	24,134	24,454	320	1.3%
12.3%	24,052	24,442	389	1.6%
13.6%	23,952	24,388	436	1.8%
14.8%	23,766	24,266	500	2.1%
16.0%	23,598	24,152	554	2.3%
17.3%	23,087	24,144	1,057	4.6%
18.5%	22,702	24,105	1,403	6.2%
19.8%	22,145	24,068	1,923	8.7%
21.0%	21,384	23,921	2,537	11.9%
22.2%	21,353	23,762	2,409	11.3%
23.5%	21,343	23,656	2,313	10.8%
24.7%	20,869	23,440	2,572	12.3%
25.9%	14,434	15,097	663	4.6%
27.2%	14,418	14,311	-108	-0.7%
28.4%	14,242	14,025	-216	-1.5%
29.6%	14,139	13,661	-478	-3.4%
30.9%	13,593	13,571	-23	-0.2%
32.1%	13,210	13,395	185	1.4%
33.3%	13,104	13,358	254	1.9%
34.6%	12,980	13,100	120	0.9%
35.8%	12,522	12,975	453	3.6%
37.0%	12,220	12,793	572	4.7%
38.3%	12,167	12,522	355	2.9%
39.5%	12,081	12,490	409	3.4%
40.7%	11,666	12,309	643	5.5%
42.0%	11,513	12,047	534	4.6%
43.2%	11,251	11,548	297	2.6%
44.4%	9,419	11,395	1,976	21.0%
45.7%	9,115	11,293	2,178	23.9%
46.9%	7,694	8,840	1,145	14.9%
48.1%	7,273	8,467	1,194	16.4%
49.4%	7,089	8,420	1,331	18.8%
50.6%	7,042	8,316	1,274	18.1%
51.9%	6,943	8,064	1,121	16.1%
53.1%	6,544	8,025	1,482	22.6%
54.3%	6,429	7,954	1,526	23.7%
55.6%	6,388	7,861	1,473	23.1%
56.8%	6,341	7,778	1,437	22.7%
58.0%	6,303	7,695	1,392	22.1%
59.3%	6,263	7,646	1,383	22.1%
60.5%	6,196	7,594	1,398	22.6%
61.7%	6,155	7,552	1,397	22.7%
63.0%	6,101	7,403	1,302	21.3%
64.2%	6,035	7,217	1,182	19.6%
65.4%	5,969	7,181	1,212	20.3%
66.7%	5,863	7,089	1,226	20.9%
67.9%	5,814	6,978	1,165	20.0%
69.1%	5,707	6,845	1,138	19.9%
70.4%	5,602	6,829	1,227	21.9%
71.6%	5,495	6,757	1,262	23.0%
72.8%	5,492	6,564	1,072	19.5%
74.1%	5,440	6,560	1,119	20.6%
75.3%	5,255	6,463	1,208	23.0%
76.5%	5,244	6,422	1,178	22.5%
77.8%	5,228	6,350	1,122	21.5%
79.0%	5,150	6,201	1,050	20.4%
80.2%	5,109	6,147	1,038	20.3%
81.5%	4,952	6,137	1,185	23.9%
82.7%	4,756	6,026	1,270	26.7%
84.0%	4,384	5,992	1,608	36.7%
85.2%	3,982	5,892	1,910	48.0%
86.4%	3,386	5,891	2,505	74.0%
87.7%	3,000	5,794	2,794	93.1%
88.9%	3,000	4,097	1,097	36.6%
90.1%	3,000	3,664	664	22.1%
91.4%	3,000	3,624	624	20.8%
92.6%	3,000	3,138	138	4.6%
93.8%	3,000	3,037	37	1.2%
95.1%	3,000	3,008	8	0.3%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-33-7a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Outflow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5,927	11,674	21,446	42,528	51,653	42,537	29,887	22,080	12,750	8,048	4,593	9,663
Alternative C	5,998	11,628	20,717	40,447	50,016	40,612	29,524	21,982	13,224	9,119	5,175	10,070
Difference	70	-47	-728	-2,081	-1,637	-1,925	-363	-99	474	1,071	582	406
Percent Difference[3]	1.2%	-0.4%	-3.4%	-4.9%	-3.2%	-4.5%	-1.2%	-0.4%	3.7%	13.3%	12.7%	4.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,387	18,519	25,088	84,405	95,517	78,395	54,269	40,411	23,163	11,329	5,031	19,685
Alternative C	8,222	18,231	23,545	82,262	93,929	77,179	53,934	40,257	23,838	12,506	5,445	19,537
Difference	-165	-287	-1,543	-2,143	-1,588	-1,216	-336	-153	675	1,177	414	-148
Percent Difference	-2.0%	-1.6%	-6.2%	-2.5%	-1.7%	-1.6%	-0.6%	-0.4%	2.9%	10.4%	8.2%	-0.8%
Above Normal (15%)												
No Action Alternative	5,945	13,441	19,382	47,552	60,411	52,963	31,605	23,647	11,872	9,611	4,000	11,732
Alternative C	5,982	13,084	18,206	44,217	57,630	50,367	30,749	23,451	12,338	10,923	4,375	11,693
Difference	36	-357	-1,176	-3,336	-2,781	-2,596	-856	-195	466	1,312	375	-39
Percent Difference	0.6%	-2.7%	-6.1%	-7.0%	-4.6%	-4.9%	-2.7%	-0.8%	3.9%	13.7%	9.4%	-0.3%
Below Normal (17%)												
No Action Alternative	5,694	9,690	26,481	22,181	35,426	22,962	21,469	15,813	8,200	7,446	4,011	3,330
Alternative C	5,935	10,388	26,411	19,606	34,531	20,210	21,068	15,607	8,749	8,567	4,807	4,578
Difference	240	698	-69	-2,575	-896	-2,752	-401	-207	549	1,121	796	1,248
Percent Difference	4.2%	7.2%	-0.3%	-11.6%	-2.5%	-12.0%	-1.9%	-1.3%	6.7%	15.1%	19.8%	37.5%
Dry (22%)												
No Action Alternative	4,164	6,822	23,161	14,784	20,810	19,584	14,060	10,203	6,788	5,221	4,879	3,172
Alternative C	4,192	7,020	22,797	13,460	19,161	16,773	13,762	10,292	7,097	6,333	5,851	4,120
Difference	28	198	-364	-1,324	-1,650	-2,811	-298	89	310	1,112	972	948
Percent Difference	0.7%	2.9%	-1.6%	-9.0%	-7.9%	-14.4%	-2.1%	0.9%	4.6%	21.3%	19.9%	29.9%
Critical (15%)												
No Action Alternative	3,497	4,672	7,170	12,128	13,050	11,686	8,904	5,927	5,318	4,316	4,489	3,008
Alternative C	3,977	4,222	7,339	10,875	11,604	11,191	8,921	5,888	5,525	4,796	4,805	3,265
Difference	480	-450	169	-1,253	-1,445	-495	17	-39	207	479	316	257
Percent Difference	13.7%	-9.6%	2.4%	-10.3%	-11.1%	-4.2%	0.2%	-0.7%	3.9%	11.1%	7.0%	8.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-33-7b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

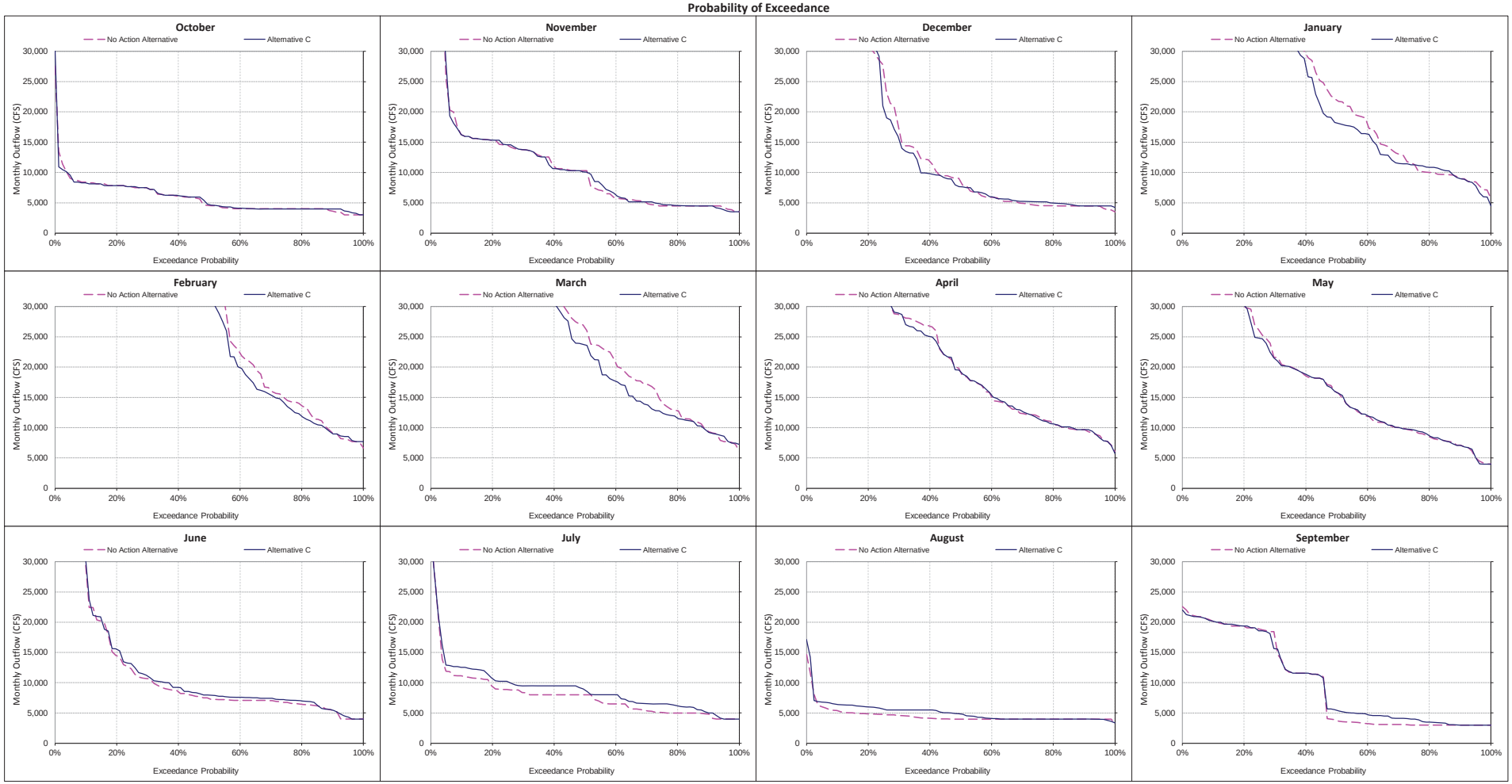

Table SW-33-7b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	27,572	30,921	3,350	12.1%
1.2%	13,476	10,938	-2,538	-18.8%
2.5%	11,406	10,488	-918	-8.0%
3.7%	10,134	10,156	23	0.2%
4.9%	9,063	9,537	475	5.2%
6.2%	8,750	8,438	-313	-3.6%
7.4%	8,677	8,438	-239	-2.8%
8.6%	8,438	8,281	-156	-1.9%
9.9%	8,438	8,281	-156	-1.9%
11.1%	8,281	8,126	-155	-1.9%
12.3%	8,281	8,125	-156	-1.9%
13.6%	8,125	8,125	0	0.0%
14.8%	8,125	8,125	0	0.0%
16.0%	8,125	7,813	-313	-3.8%
17.3%	7,813	7,813	0	0.0%
18.5%	7,813	7,813	0	0.0%
19.8%	7,813	7,813	0	0.0%
21.0%	7,813	7,813	0	0.0%
22.2%	7,813	7,813	0	0.0%
23.5%	7,656	7,656	0	0.0%
24.7%	7,656	7,656	0	0.0%
25.9%	7,500	7,656	156	2.1%
27.2%	7,500	7,500	0	0.0%
28.4%	7,500	7,500	0	0.0%
29.6%	7,500	7,500	0	0.0%
30.9%	7,188	7,188	0	0.0%
32.1%	7,188	7,188	0	0.0%
33.3%	6,406	6,563	156	2.4%
34.6%	6,406	6,374	-32	-0.5%
35.8%	6,250	6,250	0	0.0%
37.0%	6,250	6,250	0	0.0%
38.3%	6,250	6,250	0	0.0%
39.5%	6,094	6,250	156	2.6%
40.7%	6,094	6,117	23	0.4%
42.0%	5,938	6,094	156	2.6%
43.2%	5,938	5,938	0	0.0%
44.4%	5,938	5,938	0	0.0%
45.7%	5,781	5,938	156	2.7%
46.9%	5,643	5,938	295	5.2%
48.1%	4,699	5,463	765	16.3%
49.4%	4,569	4,774	205	4.5%
50.6%	4,542	4,597	54	1.2%
51.9%	4,502	4,555	53	1.2%
53.1%	4,438	4,473	35	0.8%
54.3%	4,167	4,378	210	5.0%
55.6%	4,148	4,330	182	4.4%
56.8%	4,089	4,311	222	5.4%
58.0%	4,032	4,133	101	2.5%
59.3%	4,000	4,115	115	2.9%
60.5%	4,000	4,108	108	2.7%
61.7%	4,000	4,083	83	2.1%
63.0%	4,000	4,079	79	2.0%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	3,724	4,000	276	7.4%
90.1%	3,612	4,000	388	10.7%
91.4%	3,450	4,000	550	15.9%
92.6%	3,449	4,000	551	16.0%
93.8%	3,000	3,649	649	21.6%
95.1%	3,000	3,576	576	19.2%
96.3%	3,000	3,343	343	11.4%
97.5%	3,000	3,257	257	8.6%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	79,160	78,037	-1,123	-1.4%
1.2%	51,638	47,684	-3,955	-7.7%
2.5%	47,407	46,288	-1,119	-2.4%
3.7%	41,509	39,012	-2,497	-6.0%
4.9%	25,579	28,288	2,709	10.6%
6.2%	20,304	19,361	-942	-4.6%
7.4%	19,987	18,137	-1,850	-9.3%
8.6%	17,477	17,238	-239	-1.4%
9.9%	16,250	16,250	0	0.0%
11.1%	15,938	15,938	0	0.0%
12.3%	15,938	15,938	0	0.0%
13.6%	15,625	15,625	0	0.0%
14.8%	15,625	15,625	0	0.0%
16.0%	15,469	15,485	16	0.1%
17.3%	15,469	15,469	0	0.0%
18.5%	15,398	15,398	0	0.0%
19.8%	15,313	15,313	0	0.0%
21.0%	15,313	15,313	0	0.0%
22.2%	14,641	15,313	672	4.6%
23.5%	14,591	14,641	50	0.3%
24.7%	14,573	14,591	18	0.1%
25.9%	14,198	14,573	375	2.6%
27.2%	13,935	14,198	262	1.9%
28.4%	13,849	13,849	0	0.0%
29.6%	13,789	13,789	0	0.0%
30.9%	13,733	13,733	0	0.0%
32.1%	13,616	13,616	0	0.0%
33.3%	13,371	13,371	0	0.0%
34.6%	12,926	12,707	-219	-1.7%
35.8%	12,707	12,570	-137	-1.1%
37.0%	12,570	12,549	-22	-0.2%
38.3%	12,549	11,250	-1,299	-10.3%
39.5%	11,250	10,625	-625	-5.6%
40.7%	10,625	10,625	0	0.0%
42.0%	10,625	10,469	-156	-1.5%
43.2%	10,625	10,469	-156	-1.5%
44.4%	10,469	10,313	-156	-1.5%
45.7%	10,313	10,313	0	0.0%
46.9%	10,313	10,313	0	0.0%
48.1%	10,313	10,313	0	0.0%
49.4%	10,313	10,078	-234	-2.3%
50.6%	10,313	10,040	-273	-2.6%
51.9%	7,617	9,706	2,089	27.4%
53.1%	7,403	8,503	1,099	14.8%
54.3%	7,115	8,485	1,370	19.2%
55.6%	7,007	7,920	912	13.0%
56.8%	6,506	7,213	707	10.9%
58.0%	6,500	6,955	454	7.0%
59.3%	5,917	6,638	721	12.2%
60.5%	5,735	6,060	325	5.7%
61.7%	5,656	5,810	154	2.7%
63.0%	5,622	5,749	127	2.3%
64.2%	5,504	5,173	-331	-6.0%
65.4%	5,478	5,167	-312	-5.7%
66.7%	5,373	5,167	-206	-3.8%
67.9%	5,337	5,167	-170	-3.2%
69.1%	5,271	5,167	-105	-2.0%
70.4%	4,798	5,167	369	7.7%
71.6%	4,698	5,167	468	10.0%
72.8%	4,661	4,964	304	6.5%
74.1%	4,500	4,840	340	7.6%
75.3%	4,500	4,704	204	4.5%
76.5%	4,500	4,645	145	3.2%
77.8%	4,500	4,631	131	2.9%
79.0%	4,500	4,579	79	1.8%
80.2%	4,500	4,561	61	1.4%
81.5%	4,500	4,530	30	0.7%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,500	0	0.0%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,470	-30	-0.7%
92.6%	4,500	4,167	-333	-7.4%
93.8%	4,500	4,059	-441	-9.8%
95.1%	4,189	3,820	-370	-8.8%
96.3%	3,954	3,599	-355	-9.0%
97.5%	3,863	3,500	-363	-9.4%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	156,667	156,664	-3	0.0%
1.2%	99,310	93,460	-5,850	-5.9%
2.5%	90,880	89,931	-949	-1.0%
3.7%	88,261	82,053	-6,207	-7.0%
4.9%	82,120	82,050	-70	-0.1%
6.2%	80,995	80,012	-983	-1.2%
7.4%	78,558	73,281	-5,278	-6.7%
8.6%	68,492	68,357	-135	-0.2%
9.9%	65,165	64,536	-629	-1.0%
11.1%	65,147	63,701	-1,446	-2.2%
12.3%	50,599	47,819	-2,779	-5.5%
13.6%	49,786	41,865	-7,921	-15.9%
14.8%	46,245	41,093	-5,152	-11.1%
16.0%	36,990	38,924	1,934	5.2%
17.3%	36,840	37,929	1,089	3.0%
18.5%	34,950	34,349	-601	-1.7%
19.8%	34,171	33,937	-234	-0.7%
21.0%	30,379	30,747	369	1.2%
22.2%	29,582	30,586	1,004	3.4%
23.5%	28,620	29,173	553	1.9%
24.7%	27,838	20,984	-6,854	-24.6%
25.9%	23,241	19,031	-4,210	-18.1%
27.2%	21,428	18,670	-2,758	-12.9%
28.4%	20,927	17,136	-3,790	-18.1%
29.6%	18,008	15,974	-2,034	-11.3%
30.9%	14,976	13,992	-984	-6.6%
32.1%	14,399	13,479	-920	-6.4%
33.3%	14,390	13,247	-1,143	-7.9%
34.6%	14,179	13,188	-991	-7.0%
35.8%	13,672	12,095	-1,576	-11.5%
37.0%	12,332	9,925	-2,407	-19.5%
38.3%	12,191	9,911	-2,280	-18.7%
39.5%	12,106	9,836	-2,269	-18.7%
40.7%	11,411	9,732	-1,679	-14.7%
42.0%	10,209	9,609	-600	-5.9%
43.2%	9,501	9,533	32	0.3%
44.4%	9,474	9,179	-295	-3.1%
45.7%	9,472	8,979	-493	-5.2%
46.9%	9,211	8,904	-306	-3.3%
48.1%	9,049	7,976	-1,073	-11.9%
49.4%	9,029	7,662	-1,367	-15.1%
50.6%	7,899	7,605	-294	-3.7%
51.9%	7,815	7,498	-317	-4.1%
53.1%	6,960	7,493	533	7.7%
54.3%	6,729	6,805	76	1.1%
55.6%	6,644	6,791	147	2.2%
56.8%	6,175	6,676	500	8.1%
58.0%	5,945	6,455	510	8.6%
59.3%	5,913	6,021	108	1.8%
60.5%	5,908	5,959	51	0.9%
61.7%	5,840	5,687	-154	-2.6%
63.0%	5,339	5,672	333	6.2%
64.2%	5,245	5,630	385	7.3%
65.4%	5,223	5,617	393	7.5%
66.7%	5,174	5,404	230	4.4%
67.9%	5,168	5,338	171	3.3%
69.1%	4,941	5,257	316	6.4%
70.4%	4,881	5,232	351	7.2%
71.6%	4,823	5,193	370	7.7%
72.8%	4,708	5,193	484	10.3%
74.1%	4,604	5,175	571	12.4%
75.3%	4,533	5,167	633	14.0%
76.5%	4,528	5,167	639	14.1%
77.8%	4,524	5,139	614	13.6%
79.0%	4,524	4,997	473	10.4%
80.2%	4,524	4,930	406	9.0%
81.5%	4,500	4,905	405	9.0%
82.7%	4,500	4,854	354	7.9%
84.0%	4,500	4,832	332	7.4%
85.2%	4,500	4,766	266	5.9%
86.4%	4,500	4,606	106	2.4%
87.7%	4,500	4,524	24	0.5%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,448	4,500	52	1.2%
96.3%	4,074	4,500	426	10.5%
97.5%	3,841	4,500	659	17.1%
98.8%	3,802	4,500	698	18.4%
100.0%	3,500	4,216	716	20.5%

January				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	278,477	274,933	-3,544	-1.3%
1.2%	207,678	205,165	-2,513	-1.2%
2.5%	161,561	156,297	-5,264	-3.3%
3.7%	131,751	131,755	4	0.0%
4.9%	124,362	118,593	-5,769	-4.6%
6.2%	113,561	111,667	-1,894	-1.7%
7.4%	110,192	108,944	-1,247	-1.1%
8.6%	108,113	106,454	-1,659	-1.5%
9.9%	106,869	101,765	-5,104	-4.8%
11.1%	97,405	98,427	1,022	1.0%
12.3%	97,243	93,890	-3,353	-3.4%
13.6%	83,163	78,844	-4,319	-5.2%
14.8%	82,120	76,662	-5,458	-6.6%
16.0%	78,556	76,048	-2,508	-3.2%
17.3%	78,263	73,366	-4,896	-6.3%
18.5%	75,194	71,091	-4,103	-5.5%
19.8%	67,171	63,631	-3,539	-5.3%
21.0%	65,620	63,522	-2,098	-3.2%
22.2%	63,550	61,296	-2,254	-3.5%
23.5%	63,331	61,072	-2,259	-3.6%
24.7%	60,029	56,876	-3,153	-5.3%
25.9%	51,508	48,518	-2,990	-5.8%
27.2%	48,416	45,852	-2,564	-5.3%
28.4%	47,924	44,672	-3,252	-6.8%
29.6%	47,875	43,753	-4,121	-8.6%
30.9%	47,572	42,042	-5,530	-11.6%
32.1%	46,453	40,109	-6,344	-13.7%
33.3%	41,558	39,780	-1,778	-4.3%
34.6%	40,095	38,514	-1,581	-3.9%
35.8%	39,337	37,290	-2,047	-5.2%
37.0%	34,516	30,423	-4,092	-11.9%
38.3%	32,155	29,353	-2,802	-8.7%
39.5%	29,977	28,799	-1,178	-3.9%
40.7%	28,938	25,790	-3,148	-10.9%
42.0%	28,470	25,687	-2,783	-9.8%
43.2%	26,524	22,907	-3,617	-13.6%
44.4%	25,227	21,421	-3,806	-15.1%
45.7%	24,807	19,773	-5,035	-20.3%
46.9%	23,662	19,177	-4,485	-19.0%
48.1%	22,667	19,116	-3,552	-15.7%
49.4%	22,147	18,265	-3,883	-17.5%
50.6%	21,722	18,086	-3,636	-16.7%
51.9%	21,644	17,917	-3,727	-17.2%
53.1%	21,000	17,750	-3,251	-15.5%
54.3%	20,911	17,659	-3,252	-15.6%
55.6%	19,619	17,519	-2,100	-10.7%
56.8%	19,390	17,033	-2,357	-12.2%
58.0%	19,242	16,434	-2,807	-14.6%
59.3%	19,012	16,431	-2,582	-13.6%
60.5%	17,245	16,289	-956	-5.5%
61.7%	17,201	15,214	-1,987	-11.6%
63.0%	16,275	14,521	-1,755	-10.8%
64.2%	14,692	12,987	-1,705	-11.6%
65.4%	14,535	12,896	-1,639	-11.3%
66.7%	14,263	12,859	-1,404	-9.8%
67.9%	13,712	12,062	-1,650	-12.0%
69.1%	13,214	11,583	-1,631	-12.3%
70.4%	12,992	11,477	-1,515	-11.7%
71.6%	12,797	11,445	-1,352	-10.6%
72.8%	11,772	11,429	-344	-2.9%
74.1%	11,663	11,279	-383	-3.3%
75.3%	11,277	11,261	-16	-0.1%
76.5%	10,143	11,157	1,014	10.0%
77.8%	10,133	11,080	947	9.3%
79.0%	10,054	10,907	853	8.5%
80.2%	10,018	10,855	837	8.4%
81.5%	9,994	10,854	860	8.6%
82.7%	9,728	10,730	1,003	10.3%
84.0%	9,667	10,459	791	8.2%
85.2%	9,658	10,311	652	6.8%
86.4%	9,652	10,246	594	6.2%
87.7%	9,584	9,623	40	0.4%
88.9%	9,322	9,176	-146	-1.6%
90.1%	8,975	8,977	2	0.0%
91.4%	8,945	8,884	-61	-0.7%
92.6%	8,547	8,499	-48	-0.6%
93.8%	8,478	8,386	-91	-1.1%
95.1%	8,478	7,797	-681	-8.0%
96.3%	7,772	6,635	-1,137	-14.6%
97.5%	7,157	5,996	-1,161	-16.2%
98.8%	7,101	5,937	-1,163	-16.4%
100.0%	5,704	4,500	-1,204	-21.1%

Table SW-33-7b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	220,790	216,014	-4,776	-2.2%
1.2%	213,943	215,285	1,342	0.6%
2.5%	180,024	179,188	-836	-0.5%
3.7%	153,109	151,940	-1,169	-0.8%
4.9%	146,544	142,682	-3,862	-2.6%
6.2%	136,522	136,553	31	0.0%
7.4%	136,092	135,922	-170	-0.1%
8.6%	136,054	132,239	-3,815	-2.8%
9.9%	122,489	129,358	6,869	5.6%
11.1%	121,900	120,113	-1,787	-1.5%
12.3%	118,544	113,385	-5,160	-4.4%
13.6%	108,403	105,900	-2,503	-2.3%
14.8%	101,716	100,309	-1,407	-1.4%
16.0%	92,435	92,450	15	0.0%
17.3%	88,770	87,319	-1,451	-1.6%
18.5%	84,099	83,513	-586	-0.7%
19.8%	76,648	77,170	522	0.7%
21.0%	75,992	75,494	-498	-0.7%
22.2%	75,436	74,202	-1,234	-1.6%
23.5%	74,112	73,356	-755	-1.0%
24.7%	72,055	70,947	-1,108	-1.5%
25.9%	70,630	67,518	-3,112	-4.4%
27.2%	69,602	65,313	-4,289	-6.2%
28.4%	63,558	62,912	-646	-1.0%
29.6%	59,244	56,105	-3,139	-5.3%
30.9%	55,962	53,468	-2,494	-4.5%
32.1%	55,476	53,371	-2,105	-3.8%
33.3%	54,806	51,846	-2,960	-5.4%
34.6%	52,776	51,484	-1,292	-2.4%
35.8%	52,676	49,528	-3,148	-6.0%
37.0%	52,268	49,305	-2,963	-5.7%
38.3%	52,158	48,756	-3,402	-6.5%
39.5%	50,940	48,149	-2,791	-5.5%
40.7%	49,197	46,204	-2,993	-6.1%
42.0%	48,227	44,438	-3,789	-7.9%
43.2%	46,038	41,966	-4,072	-8.8%
44.4%	44,620	40,434	-4,186	-9.4%
45.7%	38,653	38,666	14	0.0%
46.9%	38,431	36,975	-1,456	-3.8%
48.1%	36,513	34,396	-2,118	-5.8%
49.4%	35,577	31,572	-4,005	-11.3%
50.6%	33,653	31,072	-2,580	-7.7%
51.9%	33,260	30,066	-3,194	-9.6%
53.1%	33,222	28,892	-4,330	-13.0%
54.3%	32,900	27,529	-5,371	-16.3%
55.6%	28,595	25,969	-2,626	-9.2%
56.8%	24,308	21,742	-2,566	-10.6%
58.0%	23,538	21,682	-1,856	-7.9%
59.3%	22,900	20,061	-2,839	-12.4%
60.5%	21,843	19,779	-2,064	-9.5%
61.7%	21,264	18,762	-2,502	-11.8%
63.0%	20,917	18,084	-2,833	-13.5%
64.2%	20,408	17,443	-2,965	-14.5%
65.4%	19,433	16,321	-3,111	-16.0%
66.7%	18,826	16,186	-2,640	-14.0%
67.9%	16,689	15,974	-715	-4.3%
69.1%	16,624	15,602	-1,022	-6.1%
70.4%	15,932	15,308	-624	-3.9%
71.6%	15,652	14,914	-737	-4.7%
72.8%	15,576	14,768	-808	-5.2%
74.1%	15,036	14,219	-817	-5.4%
75.3%	14,500	13,467	-1,033	-7.1%
76.5%	14,295	13,026	-1,269	-8.9%
77.8%	14,284	12,501	-1,783	-12.5%
79.0%	14,024	12,316	-1,709	-12.2%
80.2%	13,526	11,750	-1,776	-13.1%
81.5%	13,326	11,400	-1,926	-14.5%
82.7%	12,298	11,145	-1,153	-9.4%
84.0%	11,435	10,740	-695	-6.1%
85.2%	11,400	10,469	-931	-8.2%
86.4%	11,145	10,377	-768	-6.9%
87.7%	10,167	9,911	-256	-2.5%
88.9%	9,613	9,422	-190	-2.0%
90.1%	9,063	8,954	-109	-1.2%
91.4%	8,980	8,943	-36	-0.4%
92.6%	8,193	8,636	443	5.4%
93.8%	8,117	8,563	446	5.5%
95.1%	7,990	8,538	548	6.9%
96.3%	7,714	7,881	166	2.2%
97.5%	7,682	7,721	39	0.5%
98.8%	7,528	7,714	186	2.5%
100.0%	6,643	7,694	1,051	15.8%

March				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	258,964	258,920	-43	0.0%
1.2%	212,300	206,962	-5,337	-2.5%
2.5%	167,229	167,217	-12	0.0%
3.7%	146,256	140,131	-6,125	-4.2%
4.9%	116,437	116,984	547	0.5%
6.2%	110,246	107,309	-2,937	-2.7%
7.4%	107,301	102,230	-5,071	-4.7%
8.6%	88,721	86,141	-2,580	-2.9%
9.9%	86,200	86,010	-190	-0.2%
11.1%	84,411	84,375	-36	0.0%
12.3%	83,841	83,422	-419	-0.5%
13.6%	82,221	82,148	-74	-0.1%
14.8%	81,391	80,007	-1,384	-1.7%
16.0%	69,601	68,146	-1,455	-2.1%
17.3%	68,217	63,223	-4,994	-7.3%
18.5%	65,391	63,092	-2,299	-3.5%
19.8%	62,911	62,340	-571	-0.9%
21.0%	62,760	62,321	-440	-0.7%
22.2%	61,763	61,599	-164	-0.3%
23.5%	59,761	59,770	9	0.0%
24.7%	58,544	57,721	-823	-1.4%
25.9%	54,944	54,949	5	0.0%
27.2%	49,063	44,981	-4,082	-8.3%
28.4%	47,274	44,240	-3,034	-6.4%
29.6%	46,510	42,879	-3,631	-7.8%
30.9%	44,524	39,848	-4,676	-10.5%
32.1%	41,444	37,856	-3,589	-8.7%
33.3%	41,384	36,323	-5,062	-12.2%
34.6%	38,442	36,006	-2,436	-6.3%
35.8%	37,026	35,680	-1,346	-3.6%
37.0%	36,041	34,346	-1,694	-4.7%
38.3%	34,605	33,463	-1,142	-3.3%
39.5%	33,983	30,597	-3,386	-10.0%
40.7%	33,541	30,014	-3,528	-10.5%
42.0%	31,367	29,111	-2,255	-7.2%
43.2%	29,997	28,126	-1,871	-6.2%
44.4%	29,079	27,587	-1,492	-5.1%
45.7%	28,118	24,661	-3,457	-12.3%
46.9%	27,508	23,966	-3,542	-12.9%
48.1%	27,115	23,934	-3,182	-11.7%
49.4%	26,956	23,755	-3,201	-11.9%
50.6%	26,039	23,566	-2,473	-9.5%
51.9%	23,804	21,904	-1,900	-8.0%
53.1%	23,722	21,224	-2,498	-10.5%
54.3%	23,570	21,189	-2,380	-10.1%
55.6%	23,125	18,716	-4,409	-19.1%
56.8%	22,712	18,716	-3,995	-17.6%
58.0%	22,469	18,114	-4,355	-19.4%
59.3%	21,410	17,789	-3,621	-16.9%
60.5%	20,045	17,564	-2,482	-12.4%
61.7%	19,822	17,096	-2,726	-13.8%
63.0%	19,164	16,954	-2,210	-11.5%
64.2%	18,519	15,260	-3,259	-17.6%
65.4%	18,219	15,194	-3,024	-16.6%
66.7%	17,749	14,396	-3,353	-18.9%
67.9%	17,698	14,352	-3,346	-18.9%
69.1%	17,148	13,907	-3,240	-18.9%
70.4%	17,124	13,721	-3,402	-19.9%
71.6%	16,796	13,119	-3,677	-21.9%
72.8%	16,244	12,806	-3,438	-21.2%
74.1%	14,759	12,758	-2,001	-13.6%
75.3%	13,923	12,359	-1,563	-11.2%
76.5%	13,495	12,164	-1,331	-9.9%
77.8%	13,051	12,040	-1,010	-7.7%
79.0%	12,881	11,957	-924	-7.2%
80.2%	12,758	11,458	-1,300	-10.2%
81.5%	11,533	11,400	-133	-1.2%
82.7%	11,482	11,221	-261	-2.3%
84.0%	11,432	11,132	-301	-2.6%
85.2%	10,987	11,001	14	0.1%
86.4%	10,925	10,323	-602	-5.5%
87.7%	10,625	10,263	-362	-3.4%
88.9%	9,740	9,729	-11	-0.1%
90.1%	9,347	9,202	-145	-1.6%
91.4%	9,129	9,046	-83	-0.9%
92.6%	9,013	8,930	-82	-0.9%
93.8%	7,911	8,736	825	10.4%
95.1%	7,704	8,591	887	11.5%
96.3%	7,684	7,753	69	0.9%
97.5%	7,581	7,463	-118	-1.6%
98.8%	7,239	7,456	217	3.0%
100.0%	6,088	7,239	1,150	18.9%

April				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	139,382	139,309	-73	-0.1%
1.2%	103,201	103,144	-57	-0.1%
2.5%	96,762	96,796	34	0.0%
3.7%	87,679	87,607	-72	-0.1%
4.9%	77,856	77,790	-66	-0.1%
6.2%	77,480	77,471	-8	0.0%
7.4%	74,402	74,332	-70	-0.1%
8.6%	71,387	68,752	-2,635	-3.7%
9.9%	68,743	68,528	-214	-0.3%
11.1%	68,129	65,320	-2,809	-4.1%
12.3%	63,524	63,463	-61	-0.1%
13.6%	59,927	59,919	-8	0.0%
14.8%	57,577	57,526	-51	-0.1%
16.0%	54,611	54,598	-13	0.0%
17.3%	54,473	51,076	-3,397	-6.2%
18.5%	52,436	50,632	-1,803	-3.4%
19.8%	49,554	46,235	-3,319	-6.7%
21.0%	47,592	45,595	-1,998	-4.2%
22.2%	45,501	44,423	-1,078	-2.4%
23.5%	43,208	43,195	-13	0.0%
24.7%	39,179	36,524	-2,656	-6.8%
25.9%	33,186	33,103	-83	-0.3%
27.2%	30,246	30,294	48	0.2%
28.4%	28,791	29,062	270	0.9%
29.6%	28,733	28,947	213	0.7%
30.9%	28,422	28,682	259	0.9%
32.1%	28,088	26,995	-1,094	-3.9%
33.3%	28,054	26,711	-1,343	-4.8%
34.6%	27,807	26,595	-1,211	-4.4%
35.8%	27,521	26,025	-1,497	-5.4%
37.0%	27,205	25,960	-1,245	-4.6%
38.3%	26,858	25,305	-1,554	-5.8%
39.5%	26,826	25,092	-1,734	-6.5%
40.7%	26,622	24,949	-1,673	-6.3%
42.0%	26,011	24,263	-1,748	-6.7%
43.2%	22,930	23,052	121	0.5%
44.4%	22,122	22,127	5	0.0%
45.7%	21,737	21,708	-29	-0.1%
46.9%	21,263	21,623	361	1.7%
48.1%	20,047	19,543	-504	-2.5%
49.4%	19,794	19,514	-279	-1.4%
50.6%	18,510	18,859	350	1.9%
51.9%	18,416	18,509	93	0.5%
53.1%	17,733	17,800	67	0.4%
54.3%	17,712	17,714	2	0.0%
55.6%	17,311	17,325	14	0.1%
56.8%	17,004	17,006	3	0.0%
58.0%	15,941	16,408	467	2.9%
59.3%	15,817	15,853	36	0.2%
60.5%	14,448	15,033	585	4.0%
61.7%	14,341	14,842	501	3.5%
63.0%	14,249	14,426	178	1.2%
64.2%	14,048	14,246	198	1.4%
65.4%	13,568	13,606	38	0.3%
66.7%	13,081	13,584	503	3.8%
67.9%	13,024	13,039	15	0.1%
69.1%	12,406	12,926	520	4.2%
70.4%	12,305	12,560	255	2.1%
71.6%	12,130	12,328	198	1.6%
72.8%	12,125	12,107	-18	-0.1%
74.1%	12,080	11,821	-260	-2.2%
75.3%	11,789	11,431	-358	-3.0%
76.5%	11,332	11,153	-179	-1.6%
77.8%	11,153	11,001	-153	-1.4%
79.0%	11,056	10,661	-395	-3.6%
80.2%	10,446	10,581	136	1.3%
81.5%	10,437	10,433	-4	0.0%
82.7%	10,069	10,156	88	0.9%
84.0%	10,043	10,119	76	0.8%
85.2%	9,844	10,116	272	2.8%
86.4%	9,770	9,911	141	1.4%
87.7%	9,673	9,675	2	0.0%
88.9%	9,673	9,673	0	0.0%
90.1%	9,660	9,673	14	0.1%
91.4%	9,319	9,673	355	3.8%
92.6%	9,123	9,427	304	3.3%
93.8%	8,860	8,865	5	0.1%
95.1%	8,657	8,290	-367	-4.2%
96.3%	7,817	7,817	0	0.0%
97.5%	7,740	7,731	-9	-0.1%
98.8%	7,100	7,100	0	0.0%
100.0%	6,087	5,727	-360	-5.9%

May				
Percent Exceedance Probability (%)	No Action Alternative	Alternative C	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	83,962	82,081	-1,882	-2.2%
1.2%	76,777	76,619	-158	-0.2%
2.5%	74,598	74,415	-183	-0.2%
3.7%	66,906	66,816	-90	-0.1%
4.9%	61,505	61,412	-93	-0.2%
6.2%	59,846	59,766	-80	-0.1%
7.4%	56,600	56,416	-184	-0.3%
8.6%	55,971	55,523	-447	-0.8%
9.9%	53,804	53,726	-78	-0.1%
11.1%	49,128	48,970	-157	-0.3%
12.3%	47,312	48,273	961	2.0%
13.6%	46,897	47,190	293	0.6%
14.8%	44,439	44,254	-186	-0.4%
16.0%	40,615	41,307	692	1.7%
17.3%	40,336	40,328	-9	0.0%
18.5%	31,436	31,428	-8	0.0%
19.8%	29,998	30,369	371	1.2%
21.0%	29,777	29,597	-180	-0.6%
22.2%	29,545	27,291	-2,254	-7.6%
23.5%	27,023	24,941	-2,082	-7.7%
24.7%	26,216	24,789	-1,427	-5.4%
25.9%	25,290	24,676	-615	-2.4%
27.2%	24,736	23,914	-822	-3.3%
28.4%	23,947	22,475	-1,472	-6.1%
29.6%	21,614	21,537	-78	-0.4%
30.9%	21,602	20,969	-633	-2.9%
32.1%	20,427	20,246	-181	-0.9%
33.3%	20,245	20,169	-77	-0.4%
34.6%	20,149	20,089	-60	-0.3%
35.8%	19,872	19,794	-79	-0.4%
37.0%	19,573	19,544	-30	-0.2%
38.3%	19,323	19,245	-78	-0.4%
39.5%	18,729	18,951	221	1.2%
40.7%	18,326	18,628	302	1.6%
42.0%	18,203	18,287	83	0.5%
43.2%	18,181	18,192	12	0.1%
44.4%	18,168	18,167	0	0.0%
45.7%	17,982	17,983	2	0.0%
46.9%	17,144	16,938	-206	-1.2%
48.1%	16,950	16,646	-304	-1.8%
49.4%	15,986	15,984	-2	0.0%
50.6%	15,655	15,660	5	0.0%
51.9%	14,857	15,320	463	3.1%
53.1%	13,970	13,972	3	0.0%
54.3%	13,418	13,421	2	0.0%
55.6%	13,276	13,168	-108	-0.8%
56.8%	12,662	12,925	263	2.1%
58.0%	12,325	12,263	-62	-0.5%
59.3%	11,937	12,216	280	2.3%
60.5%	11,863	11,858	-5	0.0%
61.7%	11,241	11,723	482	4.3%
63.0%	10,926	11,318	392	3.6%
64.2%	10,874	11,067	192	1.8%
65.4%	10,861	10,888	27	0.2%
66.7%	10,452	10,448	-4	0.0%
67.9%	10,220	10,406	185	1.8%
69.1%	10,054	10,064	9	0.1%
70.4%	9,987	9,998	11	0.1%
71.6%	9,905	9,822	-83	-0.8%
72.8%	9,722	9,779	57	0.6%
74.1%	9,590	9,701	112	1.2%
75.3%	9,412	9,582	169	1.8%
76.5%	9,092	9,398	305	3.4%
77.8%	9,007	9,292	286	3.2%
79.0%	8,735	9,013	278	3.2%
80.2%	8,476	8,572	96	1.1%
81.5%	8,159	8,356	197	2.4%
82.7%	8,034	8,343	309	3.8%
84.0%	7,936	8,010	73	0.9%
85.2%	7,820	7,809	-11	-0.1%
86.4%	7,683	7,649	-33	-0.4%
87.7%	7,656	7,330	-326	-4.3%
88.9%	7,100	7,100	0	0.0%
90.1%	7,100	7,100	0	0.0%
91.4%	6,875	6,811	-64	-0.9%
92.6%	6,740	6,719	-21	-0.3%
93.8%	6,144	6,436	292	4.8%
95.1%	5,036	5,026	-11	-0.2%
96.3%	4,466	4,005	-460	-10.3%
97.5%	4,188	4,000	-188	-4.5%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-7b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative C Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,319	72,991	-328	-0.4%
1.2%	70,117	69,963	-154	-0.2%
2.5%	41,798	42,628	830	2.0%
3.7%	40,147	41,290	1,143	2.8%
4.9%	39,141	39,591	450	1.2%
6.2%	37,252	39,476	2,223	6.0%
7.4%	37,069	37,537	468	1.3%
8.6%	34,636	34,968	332	1.0%
9.9%	29,942	30,934	992	3.3%
11.1%	22,442	23,756	1,314	5.9%
12.3%	22,428	21,122	-1,306	-5.8%
13.6%	20,382	20,963	581	2.9%
14.8%	20,208	20,877	669	3.3%
16.0%	19,846	18,838	-1,009	-5.1%
17.3%	17,908	18,541	633	3.5%
18.5%	15,120	15,627	507	3.4%
19.8%	14,508	15,616	1,108	7.6%
21.0%	14,242	15,256	1,015	7.1%
22.2%	12,985	13,459	474	3.6%
23.5%	12,688	13,253	565	4.5%
24.7%	12,342	13,183	841	6.8%
25.9%	11,382	12,501	1,118	9.8%
27.2%	10,931	11,663	732	6.7%
28.4%	10,761	11,485	724	6.7%
29.6%	10,707	11,246	539	5.0%
30.9%	10,633	10,836	203	1.9%
32.1%	9,892	10,331	439	4.4%
33.3%	9,550	10,246	695	7.3%
34.6%	9,229	10,155	926	10.0%
35.8%	9,030	10,044	1,014	11.2%
37.0%	8,883	10,003	1,120	12.6%
38.3%	8,740	9,240	500	5.7%
39.5%	8,709	9,236	528	6.1%
40.7%	8,230	9,177	947	11.5%
42.0%	8,211	8,570	359	4.4%
43.2%	8,056	8,555	499	6.2%
44.4%	7,901	8,390	488	6.2%
45.7%	7,762	8,341	580	7.5%
46.9%	7,700	8,200	500	6.5%
48.1%	7,498	7,990	492	6.6%
49.4%	7,486	7,990	504	6.7%
50.6%	7,243	7,931	688	9.5%
51.9%	7,243	7,884	641	8.9%
53.1%	7,220	7,747	526	7.3%
54.3%	7,206	7,743	537	7.5%
55.6%	7,199	7,691	492	6.8%
56.8%	7,122	7,600	478	6.7%
58.0%	7,100	7,600	500	7.0%
59.3%	7,100	7,600	500	7.0%
60.5%	7,100	7,600	500	7.0%
61.7%	7,100	7,563	463	6.5%
63.0%	7,100	7,546	446	6.3%
64.2%	7,100	7,531	431	6.1%
65.4%	7,100	7,526	426	6.0%
66.7%	7,100	7,433	333	4.7%
67.9%	7,100	7,433	333	4.7%
69.1%	7,026	7,433	408	5.8%
70.4%	7,026	7,425	399	5.7%
71.6%	6,925	7,243	318	4.6%
72.8%	6,869	7,219	350	5.1%
74.1%	6,753	7,213	460	6.8%
75.3%	6,739	7,143	404	6.0%
76.5%	6,563	7,100	537	8.2%
77.8%	6,563	7,100	537	8.2%
79.0%	6,478	7,031	554	8.5%
80.2%	6,422	6,960	538	8.4%
81.5%	6,375	6,922	547	8.6%
82.7%	6,320	6,864	544	8.6%
84.0%	6,246	6,748	503	8.0%
85.2%	6,166	6,198	32	0.5%
86.4%	6,094	5,733	-361	-5.9%
87.7%	5,713	5,625	-88	-1.5%
88.9%	5,556	5,604	48	0.9%
90.1%	5,469	5,469	1	0.0%
91.4%	5,213	5,156	-57	-1.1%
92.6%	4,032	4,843	811	20.1%
93.8%	4,000	4,500	500	12.5%
95.1%	4,000	4,333	333	8.3%
96.3%	4,000	4,002	2	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative C Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,870	34,619	-251	-0.7%
1.2%	27,872	27,828	-44	-0.2%
2.5%	20,838	21,140	302	1.4%
3.7%	13,925	16,315	2,390	17.2%
4.9%	11,907	12,940	1,033	8.7%
6.2%	11,823	12,838	1,015	8.6%
7.4%	11,209	12,673	1,465	13.1%
8.6%	11,163	12,656	1,493	13.4%
9.9%	11,143	12,534	1,392	12.5%
11.1%	10,998	12,528	1,530	13.9%
12.3%	10,897	12,371	1,474	13.5%
13.6%	10,789	12,232	1,443	13.4%
14.8%	10,715	12,196	1,481	13.8%
16.0%	10,700	12,141	1,442	13.5%
17.3%	10,545	11,992	1,447	13.7%
18.5%	10,528	11,428	900	8.5%
19.8%	9,455	10,779	1,324	14.0%
21.0%	8,989	10,317	1,328	14.8%
22.2%	8,924	10,254	1,331	14.9%
23.5%	8,878	10,249	1,370	15.4%
24.7%	8,868	10,246	1,378	15.5%
25.9%	8,815	9,953	1,137	12.9%
27.2%	8,806	9,687	881	10.0%
28.4%	8,794	9,519	726	8.3%
29.6%	8,367	9,500	1,133	13.5%
30.9%	8,355	9,500	1,145	13.7%
32.1%	8,000	9,500	1,500	18.7%
33.3%	8,000	9,500	1,500	18.7%
34.6%	8,000	9,500	1,500	18.7%
35.8%	8,000	9,500	1,500	18.7%
37.0%	8,000	9,500	1,500	18.7%
38.3%	8,000	9,500	1,500	18.7%
39.5%	8,000	9,500	1,500	18.7%
40.7%	8,000	9,500	1,500	18.7%
42.0%	8,000	9,500	1,500	18.8%
43.2%	8,000	9,500	1,500	18.8%
44.4%	8,000	9,500	1,500	18.8%
45.7%	8,000	9,500	1,500	18.8%
46.9%	8,000	9,500	1,500	18.8%
48.1%	8,000	9,174	1,174	14.7%
49.4%	8,000	9,000	1,000	12.5%
50.6%	8,000	8,549	549	6.9%
51.9%	8,000	8,078	78	1.0%
53.1%	7,219	8,000	781	10.8%
54.3%	7,014	8,000	986	14.1%
55.6%	6,684	8,000	1,316	19.7%
56.8%	6,539	8,000	1,461	22.4%
58.0%	6,500	8,000	1,500	23.1%
59.3%	6,500	8,000	1,500	23.1%
60.5%	6,500	8,000	1,500	23.1%
61.7%	6,500	7,356	856	13.2%
63.0%	6,500	7,273	773	11.9%
64.2%	5,817	6,927	1,110	19.1%
65.4%	5,676	6,886	1,210	21.3%
66.7%	5,658	6,637	979	17.3%
67.9%	5,557	6,614	1,057	19.0%
69.1%	5,455	6,551	1,096	20.1%
70.4%	5,317	6,500	1,183	22.2%
71.6%	5,265	6,500	1,235	23.5%
72.8%	5,123	6,500	1,377	26.9%
74.1%	5,119	6,500	1,381	27.0%
75.3%	5,085	6,500	1,415	27.8%
76.5%	5,000	6,500	1,500	30.0%
77.8%	5,000	6,438	1,438	28.8%
79.0%	5,000	6,247	1,247	24.9%
80.2%	5,000	6,166	1,166	23.3%
81.5%	5,000	6,002	1,002	20.0%
82.7%	5,000	6,000	1,000	20.0%
84.0%	5,000	6,000	1,000	20.0%
85.2%	5,000	5,908	908	18.2%
86.4%	5,000	5,537	537	10.7%
87.7%	4,937	5,500	563	11.4%
88.9%	4,874	5,216	342	7.0%
90.1%	4,803	5,000	197	4.1%
91.4%	4,098	5,000	902	22.0%
92.6%	4,000	4,577	577	14.4%
93.8%	4,000	4,149	149	3.7%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative C Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,661	17,170	2,509	17.1%
1.2%	11,565	14,213	2,648	22.9%
2.5%	8,056	7,046	-1,010	-12.5%
3.7%	6,285	6,865	580	9.2%
4.9%	6,041	6,800	758	12.6%
6.2%	5,810	6,774	965	16.6%
7.4%	5,558	6,666	1,108	19.9%
8.6%	5,451	6,501	1,050	19.3%
9.9%	5,388	6,406	1,018	18.9%
11.1%	5,178	6,358	1,179	22.8%
12.3%	5,083	6,321	1,238	24.4%
13.6%	5,025	6,302	1,277	25.4%
14.8%	5,014	6,293	1,279	25.5%
16.0%	4,941	6,182	1,241	25.1%
17.3%	4,892	6,117	1,225	25.0%
18.5%	4,885	6,034	1,149	23.5%
19.8%	4,878	6,021	1,143	23.4%
21.0%	4,833	5,987	1,154	23.9%
22.2%	4,816	5,933	1,117	23.2%
23.5%	4,761	5,794	1,033	21.7%
24.7%	4,757	5,667	910	19.1%
25.9%	4,700	5,500	801	17.0%
27.2%	4,699	5,500	801	17.0%
28.4%	4,696	5,500	804	17.1%
29.6%	4,567	5,500	933	20.4%
30.9%	4,556	5,500	944	20.7%
32.1%	4,534	5,500	966	21.3%
33.3%	4,490	5,500	1,010	22.5%
34.6%	4,355	5,500	1,145	26.3%
35.8%	4,275	5,500	1,225	28.6%
37.0%	4,190	5,500	1,310	31.3%
38.3%	4,166	5,500	1,334	32.0%
39.5%	4,161	5,500	1,339	32.2%
40.7%	4,089	5,500	1,411	34.5%
42.0%	4,073	5,434	1,361	33.4%
43.2%	4,036	5,158	1,122	27.8%
44.4%	4,029	5,047	1,018	25.3%
45.7%	4,011	5,022	1,011	25.2%
46.9%	4,000	5,000	1,000	25.0%
48.1%	4,000	4,902	902	22.5%
49.4%	4,000	4,862	862	21.5%
50.6%	4,000	4,777	777	19.4%
51.9%	4,000	4,551	551	13.8%
53.1%	4,000	4,474	474	11.9%
54.3%	4,000	4,463	463	11.6%
55.6%	4,000	4,290	290	7.3%
56.8%	4,000	4,273	273	6.8%
58.0%	4,000	4,138	138	3.4%
59.3%	4,000	4,111	111	2.8%
60.5%	4,000	4,070	70	1.7%
61.7%	4,000	4,070	70	1.7%
63.0%	4,000	4,000	0	0.0%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	3,949	-51	-1.3%
97.5%	4,000	3,783	-217	-5.4%
98.8%	4,000	3,631	-369	-9.2%
100.0%	3,138	3,381	243	7.7%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Outflow (CFS)	Alternative C Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,589	22,031	-558	-2.5%
1.2%	22,031	21,250	-781	-3.5%
2.5%	21,250	21,094	-156	-0.7%
3.7%	21,094	20,938	-156	-0.7%
4.9%	20,938	20,938	0	0.0%
6.2%	20,938	20,781	-156	-0.7%
7.4%	20,625	20,625	0	0.0%
8.6%	20,469	20,313	-156	-0.8%
9.9%	20,156	20,156	0	0.0%
11.1%	20,000	20,000	0	0.0%
12.3%	19,844	20,000	156	0.8%
13.6%	19,688	19,688	0	0.0%
14.8%	19,688	19,688	0	0.0%
16.0%	19,375	19,688	313	1.6%
17.3%	19,375	19,531	156	0.8%
18.5%	19,375	19,414	39	0.2%
19.8%	19,375	19,375	0	0.0%
21.0%	19,063	19,375	313	1.6%
22.2%	19,063	19,063	0	0.0%
23.5%	19,063	19,063	0	0.0%
24.7%	18,901	18,594	-308	-1.6%
25.9%	18,750	18,594	-156	-0.8%
27.2%	18,594	18,438	-156	-0.8%
28.4%	18,438	18,125	-313	-1.7%
29.6%	18,438	15,625	-2,813	-15.3%
30.9%	14,688	15,580	893	6.1%
32.1%	13,750	13,594	-156	-1.1%
33.3%	12,188	12,188	0	0.0%
34.6%	11,719	11,875	156	1.3%
35.8%	11,719	11,563	-156	-1.3%
37.0%	11,563	11,563	0	0.0%
38.3%	11,563	11,563	0	0.0%
39.5%	11,563	11,563	0	0.0%
40.7%	11,563	11,563	0	0.0%
42.0%	11,406	11,406	0	0.0%
43.2%	11,406	11,406	0	0.0%
44.4%	11,406	11,250	-156	-1.4%
45.7%	10,938	10,781	-156	-1.4%
46.9%	4,056	5,679	1,622	40.0%
48.1%	3,981	5,659	1,678	42.1%
49.4%	3,889	5,523	1,634	42.0%
50.6%	3,631	5,369	1,738	47.9%
51.9%	3,560	5,160	1,600	45.0%
53.1%	3,515	5,132	1,617	46.0%
54.3%	3,500	5,013	1,513	43.2%
55.6%	3,460	5,001	1,541	44.6%
56.8%	3,438	4,915	1,477	43.0%
58.0%	3,348	4,902	1,554	46.4%
59.3%	3,278	4,886	1,608	49.1%
60.5%	3,228	4,679	1,451	44.9%
61.7%	3,146	4,596	1,450	46.1%
63.0%	3,096	4,587	1,492	48.2%
64.2%	3,090	4,587	1,498	48.5%
65.4%	3,087	4,509	1,422	46.1%
66.7%	3,087	4,500	1,413	45.7%
67.9%	3,087	4,172	1,084	35.1%
69.1%	3,087	4,132	1,044	33.8%
70.4%	3,087	4,127	1,039	33.7%
71.6%	3,087	4,096	1,008	32.6%
72.8%	3,075	4,087	1,013	32.9%
74.1%	3,000	4,000	1,000	33.3%
75.3%	3,000	4,000	1,000	33.3%
76.5%	3,000	3,859	859	28.6%
77.8%	3,000	3,570	570	19.0%
79.0%	3,000	3,473	473	15.8%
80.2%	3,000	3,469	469	15.6%
81.5%	3,000	3,458	458	15.3%
82.7%	3,000	3,399	399	13.3%
84.0%	3,000	3,372	372	12.4%
85.2%	3,000	3,319	319	10.6%
86.4%	3,000	3,087	87	2.9%
87.7%	3,000	3,087	87	2.9%
88.9%	3,000	3,024	24	0.8%
90.1%	3,000	3,000	0	0.0%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-34-7a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	4,708	4,028	4,507	5,014	5,702	5,143	3,909	3,347	5,679	7,772	6,490	5,711
Alternative C	4,517	3,995	4,518	4,861	5,562	4,943	3,872	3,340	5,736	7,471	6,817	6,035
Difference	-192	-32	10	-153	-140	-201	-37	-7	57	-302	327	324
Percent Difference[3]	-4.1%	-0.8%	0.2%	-3.0%	-2.5%	-3.9%	-1.0%	-0.2%	1.0%	-3.9%	5.0%	5.7%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	4,734	4,204	4,923	7,555	8,380	7,401	5,875	5,047	6,554	7,922	6,759	5,434
Alternative C	4,197	3,980	4,893	7,445	8,255	7,323	5,835	5,037	6,362	7,234	6,856	5,542
Difference	-537	-224	-29	-111	-125	-78	-40	-9	-192	-688	97	108
Percent Difference	-11.3%	-5.3%	-0.6%	-1.5%	-1.5%	-1.1%	-0.7%	-0.2%	-2.9%	-8.7%	1.4%	2.0%
Above Normal (15%)												
No Action Alternative	5,081	4,373	4,548	5,929	6,776	6,663	4,281	3,580	5,499	8,492	6,908	8,115
Alternative C	4,801	3,941	4,436	5,660	6,597	6,447	4,202	3,556	5,981	7,139	6,985	8,376
Difference	-280	-432	-113	-269	-180	-216	-80	-24	482	-1,353	77	262
Percent Difference	-5.5%	-9.9%	-2.5%	-4.5%	-2.6%	-3.2%	-1.9%	-0.7%	8.8%	-15.9%	1.1%	3.2%
Below Normal (17%)												
No Action Alternative	4,988	4,301	5,024	3,875	4,930	3,917	3,142	2,674	5,592	8,311	6,690	5,654
Alternative C	5,093	4,450	5,121	3,576	4,846	3,584	3,105	2,648	5,732	8,277	6,900	6,179
Difference	105	148	98	-299	-85	-333	-37	-26	140	-34	211	525
Percent Difference	2.1%	3.4%	1.9%	-7.7%	-1.7%	-8.5%	-1.2%	-1.0%	2.5%	-0.4%	3.1%	9.3%
Dry (22%)												
No Action Alternative	4,541	3,747	4,345	3,130	3,655	3,540	2,570	2,259	5,293	7,668	6,693	5,361
Alternative C	4,547	4,064	4,397	3,015	3,464	3,173	2,530	2,265	5,371	8,049	7,343	5,963
Difference	5	317	52	-115	-191	-366	-40	6	78	381	651	603
Percent Difference	0.1%	8.5%	1.2%	-3.7%	-5.2%	-10.3%	-1.6%	0.2%	1.5%	5.0%	9.7%	11.2%
Critical (15%)												
No Action Alternative	4,205	3,402	3,206	2,746	2,797	2,566	2,183	1,850	4,641	6,257	4,952	4,497
Alternative C	4,208	3,448	3,261	2,732	2,677	2,518	2,198	1,865	4,685	6,507	5,679	4,700
Difference	3	46	55	-14	-120	-49	15	15	44	250	727	203
Percent Difference	0.1%	1.4%	1.7%	-0.5%	-4.3%	-1.9%	0.7%	0.8%	0.9%	4.0%	14.7%	4.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-34-7b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

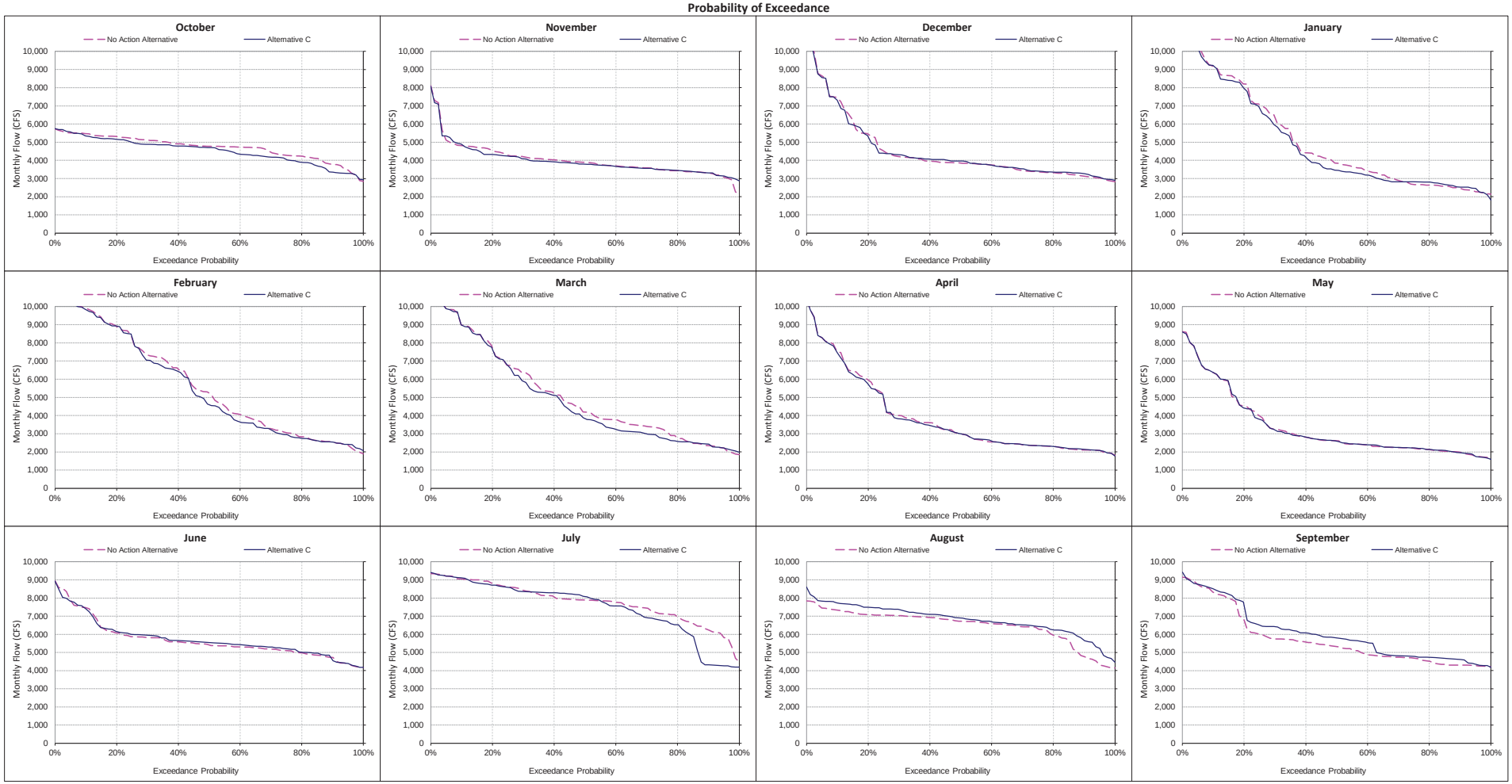

Table SW-34-7b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,730	5,750	20	0.3%
1.2%	5,653	5,698	45	0.8%
2.5%	5,594	5,692	97	1.7%
3.7%	5,523	5,593	70	1.3%
4.9%	5,518	5,575	57	1.0%
6.2%	5,514	5,490	-23	-0.4%
7.4%	5,513	5,490	-23	-0.4%
8.6%	5,506	5,455	-51	-0.9%
9.9%	5,473	5,345	-128	-2.3%
11.1%	5,452	5,315	-137	-2.5%
12.3%	5,377	5,269	-108	-2.0%
13.6%	5,365	5,255	-110	-2.1%
14.8%	5,346	5,209	-137	-2.6%
16.0%	5,336	5,197	-140	-2.6%
17.3%	5,332	5,194	-137	-2.6%
18.5%	5,326	5,190	-137	-2.6%
19.8%	5,325	5,163	-162	-3.0%
21.0%	5,273	5,142	-131	-2.5%
22.2%	5,263	5,138	-125	-2.4%
23.5%	5,246	5,077	-169	-3.2%
24.7%	5,223	5,012	-210	-4.0%
25.9%	5,218	4,938	-280	-5.4%
27.2%	5,150	4,912	-238	-4.6%
28.4%	5,137	4,893	-245	-4.8%
29.6%	5,135	4,887	-248	-4.8%
30.9%	5,097	4,882	-215	-4.2%
32.1%	5,093	4,870	-223	-4.4%
33.3%	5,078	4,865	-213	-4.2%
34.6%	5,027	4,860	-167	-3.3%
35.8%	5,027	4,858	-169	-3.4%
37.0%	4,990	4,857	-133	-2.7%
38.3%	4,914	4,808	-105	-2.1%
39.5%	4,911	4,791	-120	-2.5%
40.7%	4,910	4,787	-123	-2.5%
42.0%	4,881	4,785	-96	-2.0%
43.2%	4,855	4,773	-82	-1.7%
44.4%	4,827	4,764	-62	-1.3%
45.7%	4,822	4,747	-75	-1.5%
46.9%	4,782	4,722	-60	-1.3%
48.1%	4,781	4,714	-68	-1.4%
49.4%	4,778	4,710	-67	-1.4%
50.6%	4,776	4,707	-68	-1.4%
51.9%	4,770	4,693	-77	-1.6%
53.1%	4,768	4,600	-168	-3.5%
54.3%	4,766	4,586	-181	-3.8%
55.6%	4,759	4,554	-205	-4.3%
56.8%	4,747	4,490	-257	-5.4%
58.0%	4,747	4,443	-304	-6.4%
59.3%	4,737	4,351	-387	-8.2%
60.5%	4,732	4,333	-399	-8.4%
61.7%	4,722	4,327	-395	-8.4%
63.0%	4,720	4,305	-415	-8.8%
64.2%	4,710	4,270	-440	-9.3%
65.4%	4,704	4,268	-436	-9.3%
66.7%	4,692	4,243	-450	-9.6%
67.9%	4,629	4,215	-414	-8.9%
69.1%	4,522	4,187	-335	-7.4%
70.4%	4,410	4,180	-230	-5.2%
71.6%	4,370	4,179	-191	-4.4%
72.8%	4,307	4,165	-141	-3.3%
74.1%	4,298	4,126	-171	-4.0%
75.3%	4,270	4,025	-245	-5.7%
76.5%	4,253	3,998	-255	-6.0%
77.8%	4,246	3,979	-268	-6.3%
79.0%	4,242	3,920	-322	-7.6%
80.2%	4,225	3,887	-338	-8.0%
81.5%	4,179	3,883	-296	-7.1%
82.7%	4,165	3,855	-310	-7.5%
84.0%	4,117	3,754	-363	-8.8%
85.2%	4,111	3,682	-428	-10.4%
86.4%	3,997	3,650	-347	-8.7%
87.7%	3,847	3,559	-289	-7.5%
88.9%	3,808	3,370	-438	-11.5%
90.1%	3,766	3,355	-412	-10.9%
91.4%	3,763	3,329	-434	-11.5%
92.6%	3,720	3,294	-426	-11.5%
93.8%	3,512	3,293	-219	-6.2%
95.1%	3,457	3,283	-174	-5.0%
96.3%	3,270	3,277	7	0.2%
97.5%	3,211	3,200	-11	-0.3%
98.8%	2,892	2,957	65	2.2%
100.0%	2,845	2,929	84	2.9%

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,113	8,086	-26	-0.3%
1.2%	7,297	7,183	-115	-1.6%
2.5%	7,176	7,089	-87	-1.2%
3.7%	5,663	5,354	-309	-5.5%
4.9%	5,126	5,352	227	4.4%
6.2%	4,997	5,267	270	5.4%
7.4%	4,927	5,022	95	1.9%
8.6%	4,829	4,947	118	2.4%
9.9%	4,818	4,896	79	1.6%
11.1%	4,804	4,751	-53	-1.1%
12.3%	4,779	4,665	-114	-2.4%
13.6%	4,756	4,588	-167	-3.5%
14.8%	4,724	4,574	-150	-3.2%
16.0%	4,697	4,484	-213	-4.5%
17.3%	4,692	4,333	-359	-7.6%
18.5%	4,650	4,331	-319	-6.9%
19.8%	4,569	4,328	-241	-5.3%
21.0%	4,483	4,317	-166	-3.7%
22.2%	4,458	4,286	-173	-3.9%
23.5%	4,400	4,253	-147	-3.4%
24.7%	4,302	4,250	-52	-1.2%
25.9%	4,249	4,223	-25	-0.6%
27.2%	4,240	4,214	-26	-0.6%
28.4%	4,226	4,183	-43	-1.0%
29.6%	4,213	4,095	-118	-2.8%
30.9%	4,171	4,083	-88	-2.1%
32.1%	4,135	3,992	-143	-3.5%
33.3%	4,098	3,963	-135	-3.3%
34.6%	4,097	3,962	-135	-3.3%
35.8%	4,096	3,957	-139	-3.4%
37.0%	4,059	3,956	-103	-2.5%
38.3%	4,054	3,934	-120	-3.0%
39.5%	4,039	3,920	-119	-2.9%
40.7%	4,018	3,910	-108	-2.7%
42.0%	3,991	3,888	-103	-2.6%
43.2%	3,972	3,878	-94	-2.4%
44.4%	3,937	3,864	-73	-1.9%
45.7%	3,924	3,859	-66	-1.7%
46.9%	3,918	3,842	-76	-1.9%
48.1%	3,912	3,795	-117	-3.0%
49.4%	3,901	3,794	-107	-2.7%
50.6%	3,895	3,786	-109	-2.8%
51.9%	3,871	3,777	-94	-2.4%
53.1%	3,834	3,749	-85	-2.2%
54.3%	3,752	3,744	-8	-0.2%
55.6%	3,752	3,731	-21	-0.6%
56.8%	3,730	3,727	-2	-0.1%
58.0%	3,719	3,721	2	0.0%
59.3%	3,709	3,685	-24	-0.6%
60.5%	3,683	3,659	-23	-0.6%
61.7%	3,672	3,636	-36	-1.0%
63.0%	3,650	3,627	-24	-0.6%
64.2%	3,643	3,618	-25	-0.7%
65.4%	3,642	3,607	-35	-0.9%
66.7%	3,620	3,583	-38	-1.0%
67.9%	3,616	3,572	-44	-1.2%
69.1%	3,591	3,565	-25	-0.7%
70.4%	3,590	3,563	-26	-0.7%
71.6%	3,579	3,560	-20	-0.5%
72.8%	3,540	3,500	-40	-1.1%
74.1%	3,492	3,498	6	0.2%
75.3%	3,475	3,493	18	0.5%
76.5%	3,445	3,474	28	0.8%
77.8%	3,438	3,473	35	1.0%
79.0%	3,432	3,460	28	0.8%
80.2%	3,430	3,450	20	0.6%
81.5%	3,416	3,425	10	0.3%
82.7%	3,382	3,422	39	1.2%
84.0%	3,376	3,405	29	0.9%
85.2%	3,367	3,376	9	0.3%
86.4%	3,359	3,355	-4	-0.1%
87.7%	3,354	3,335	-19	-0.6%
88.9%	3,316	3,317	1	0.0%
90.1%	3,313	3,313	0	0.0%
91.4%	3,266	3,303	37	1.1%
92.6%	3,195	3,168	-28	-0.9%
93.8%	3,181	3,152	-28	-0.9%
95.1%	3,067	3,144	77	2.5%
96.3%	3,009	3,067	59	2.0%
97.5%	2,927	3,049	122	4.2%
98.8%	2,266	2,973	707	31.2%
100.0%	2,156	2,873	717	33.3%

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,002	11,004	2	0.0%
1.2%	10,821	10,730	-90	-0.8%
2.5%	9,941	9,744	-197	-2.0%
3.7%	8,787	8,756	-31	-0.4%
4.9%	8,650	8,551	-99	-1.1%
6.2%	8,519	8,522	3	0.0%
7.4%	7,542	7,494	-47	-0.6%
8.6%	7,502	7,492	-10	-0.1%
9.9%	7,463	7,309	-155	-2.1%
11.1%	7,232	6,860	-372	-5.1%
12.3%	6,780	6,764	-17	-0.2%
13.6%	6,566	6,024	-542	-8.3%
14.8%	6,275	5,965	-310	-4.9%
16.0%	5,712	5,892	179	3.1%
17.3%	5,500	5,807	307	5.6%
18.5%	5,497	5,492	-4	-0.1%
19.8%	5,470	5,363	-107	-1.9%
21.0%	5,317	4,941	-376	-7.1%
22.2%	5,263	4,841	-422	-8.0%
23.5%	4,660	4,399	-261	-5.6%
24.7%	4,548	4,397	-151	-3.3%
25.9%	4,413	4,369	-43	-1.0%
27.2%	4,346	4,364	17	0.4%
28.4%	4,258	4,325	67	1.6%
29.6%	4,214	4,320	107	2.5%
30.9%	4,182	4,304	122	2.9%
32.1%	4,176	4,243	67	1.6%
33.3%	4,165	4,165	0	0.0%
34.6%	4,139	4,145	6	0.1%
35.8%	4,079	4,125	47	1.2%
37.0%	4,077	4,112	35	0.9%
38.3%	3,982	4,079	98	2.5%
39.5%	3,957	4,070	113	2.9%
40.7%	3,953	4,055	103	2.6%
42.0%	3,941	4,053	112	2.8%
43.2%	3,900	4,046	147	3.8%
44.4%	3,892	4,043	151	3.9%
45.7%	3,880	4,006	126	3.3%
46.9%	3,875	3,963	89	2.3%
48.1%	3,871	3,959	88	2.3%
49.4%	3,862	3,959	97	2.5%
50.6%	3,836	3,958	123	3.2%
51.9%	3,835	3,943	108	2.8%
53.1%	3,822	3,842	20	0.5%
54.3%	3,818	3,840	22	0.6%
55.6%	3,796	3,817	21	0.5%
56.8%	3,794	3,787	-7	-0.2%
58.0%	3,779	3,778	-1	0.0%
59.3%	3,760	3,749	-11	-0.3%
60.5%	3,741	3,713	-28	-0.7%
61.7%	3,707	3,674	-33	-0.9%
63.0%	3,663	3,658	-6	-0.2%
64.2%	3,663	3,618	-45	-1.2%
65.4%	3,616	3,618	1	0.0%
66.7%	3,606	3,618	12	0.3%
67.9%	3,503	3,586	83	2.4%
69.1%	3,461	3,550	90	2.6%
70.4%	3,440	3,528	88	2.6%
71.6%	3,408	3,460	52	1.5%
72.8%	3,393	3,417	24	0.7%
74.1%	3,390	3,417	27	0.8%
75.3%	3,360	3,410	51	1.5%
76.5%	3,350	3,388	37	1.1%
77.8%	3,337	3,372	34	1.0%
79.0%	3,331	3,359	28	0.8%
80.2%	3,321	3,358	37	1.1%
81.5%	3,301	3,348	47	1.4%
82.7%	3,292	3,347	55	1.7%
84.0%	3,289	3,346	57	1.7%
85.2%	3,229	3,332	104	3.2%
86.4%	3,206	3,312	106	3.3%
87.7%	3,195	3,312	117	3.6%
88.9%	3,148	3,298	150	4.8%
90.1%	3,122	3,262	140	4.5%
91.4%	3,105	3,228	123	4.0%
92.6%	3,088	3,144	56	1.8%
93.8%	3,048	3,116	69	2.3%
95.1%	3,028	3,070	43	1.4%
96.3%	3,004	2,989	-15	-0.5%
97.5%	2,910	2,966	56	1.9%
98.8%	2,861	2,952	91	3.2%
100.0%	2,829	2,905	75	2.7%

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,245	11,261	16	0.1%
1.2%	11,103	11,100	-3	0.0%
2.5%	10,848	10,766	-82	-0.8%
3.7%	10,481	10,482	0	0.0%
4.9%	10,276	10,206	-70	-0.7%
6.2%	9,985	9,699	-286	-2.9%
7.4%	9,561	9,443	-117	-1.2%
8.6%	9,263	9,240	-23	-0.3%
9.9%	9,182	9,231	49	0.5%
11.1%	9,119	9,044	-75	-0.8%
12.3%	8,717	8,480	-237	-2.7%
13.6%	8,680	8,442	-238	-2.7%
14.8%	8,663	8,407	-257	-3.0%
16.0%	8,652	8,386	-266	-3.1%
17.3%	8,497	8,321	-176	-2.1%
18.5%	8,416	8,288	-127	-1.5%
19.8%	8,214	8,000	-214	-2.6%
21.0%	8,201	7,791	-410	-5.0%
22.2%	7,299	7,121	-178	-2.4%
23.5%	7,120	7,092	-29	-0.4%
24.7%	7,100	6,986	-114	-1.6%
25.9%	6,994	6,582	-411	-5.9%
27.2%	6,854	6,462	-392	-5.7%
28.4%	6,542	6,266	-276	-4.2%
29.6%	6,511	5,977	-535	-8.2%
30.9%	5,976	5,816	-160	-2.7%
32.1%	5,931	5,538	-394	-6.6%
33.3%	5,758	5,479	-279	-4.8%
34.6%	5,754	5,363	-391	-6.8%
35.8%	5,032	4,854	-178	-3.5%
37.0%	4,934	4,768	-166	-3.4%
38.3%	4,529	4,323	-206	-4.6%
39.5%	4,425	4,259	-166	-3.7%
40.7%	4,405	4,043	-362	-8.2%
42.0%	4,400	3,879	-520	-11.8%
43.2%	4,244	3,874	-370	-8.7%
44.4%	4,230	3,818	-412	-9.7%
45.7%	4,150	3,602	-548	-13.2%
46.9%	4,097	3,539	-558	-13.6%
48.1%	4,032	3,538	-494	-12.3%
49.4%	3,853	3,459	-394	-10.2%
50.6%	3,835	3,448	-387	-10.1%
51.9%	3,763	3,393	-370	-9.8%
53.1%	3,746	3,371	-375	-10.0%
54.3%	3,695	3,367	-328	-8.9%
55.6%	3,627	3,320	-307	-8.5%
56.8%	3,581	3,297	-284	-7.9%
58.0%	3,567	3,263	-304	-8.5%
59.3%	3,455	3,196	-258	-7.5%
60.5%	3,389	3,189	-200	-5.9%
61.7%	3,339	3,111	-228	-6.8%
63.0%	3,328	3,016	-312	-9.4%
64.2%	3,203	2,973	-230	-7.2%
65.4%	3,202	2,907	-294	-9.2%
66.7%	3,051	2,873	-178	-5.8%
67.9%	3,041	2,824	-217	-7.1%
69.1%	2,943	2,824	-119	-4.0%
70.4%	2,877	2,824	-53	-1.9%
71.6%	2,825	2,824	-1	0.0%
72.8%	2,795	2,824	29	1.0%
74.1%	2,688	2,824	136	5.1%
75.3%	2,670	2,824	154	5.8%
76.5%	2,666	2,824	158	5.9%
77.8%	2,662	2,813	151	5.7%
79.0%	2,644	2,809	165	6.2%
80.2%	2,639	2,806	167	6.3%
81.5%	2,633	2,763	130	4.9%
82.7%	2,621	2,756	135	5.2%
84.0%	2,588	2,706	118	4.6%
85.2%	2,583	2,671	88	3.4%
86.4%	2,570	2,639	69	2.7%
87.7%	2,496	2,612	117	4.7%
88.9%	2,495	2,545	50	2.0%
90.1%	2,459	2,529	70	2.9%
91.4%	2,387	2,525	138	5.8%
92.6%	2,378	2,524	146	6.1%
93.8%	2,359	2,477	118	5.0%
95.1%	2,274	2,462	187	8.2%
96.3%	2,264	2,252	-12	-0.5%
97.5%	2,206	2,237	31	1.4%
98.8%	2,165	2,109	-56	-2.6%
100.0%	2,144	1,819	-324	-15.1%

Table SW-34-7b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,086	11,086	0	0.0%
1.2%	10,728	10,782	55	0.5%
2.5%	10,669	10,728	58	0.5%
3.7%	10,441	10,413	-28	-0.3%
4.9%	10,265	10,207	-57	-0.6%
6.2%	10,142	10,123	-18	-0.2%
7.4%	10,058	9,994	-64	-0.6%
8.6%	9,974	9,974	1	0.0%
9.9%	9,928	9,848	-81	-0.8%
11.1%	9,823	9,728	-94	-1.0%
12.3%	9,731	9,675	-56	-0.6%
13.6%	9,557	9,420	-137	-1.4%
14.8%	9,437	9,402	-35	-0.4%
16.0%	9,138	9,140	2	0.0%
17.3%	9,089	9,032	-56	-0.6%
18.5%	9,041	8,937	-104	-1.2%
19.8%	8,929	8,929	0	0.0%
21.0%	8,756	8,899	143	1.6%
22.2%	8,685	8,559	-126	-1.4%
23.5%	8,672	8,519	-153	-1.8%
24.7%	8,425	8,491	65	0.8%
25.9%	7,767	7,804	37	0.5%
27.2%	7,733	7,702	-31	-0.4%
28.4%	7,571	7,325	-246	-3.3%
29.6%	7,355	7,049	-306	-4.2%
30.9%	7,292	7,040	-252	-3.5%
32.1%	7,254	6,885	-369	-5.1%
33.3%	7,196	6,862	-334	-4.6%
34.6%	7,191	6,741	-450	-6.3%
35.8%	7,053	6,618	-435	-6.2%
37.0%	6,839	6,595	-245	-3.6%
38.3%	6,635	6,554	-81	-1.2%
39.5%	6,630	6,464	-166	-2.5%
40.7%	6,454	6,373	-81	-1.3%
42.0%	6,442	6,128	-314	-4.9%
43.2%	6,060	6,061	1	0.0%
44.4%	5,660	5,382	-278	-4.9%
45.7%	5,468	5,103	-365	-6.7%
46.9%	5,387	5,044	-343	-6.4%
48.1%	5,313	4,948	-365	-6.9%
49.4%	5,310	4,641	-668	-12.6%
50.6%	5,174	4,547	-627	-12.1%
51.9%	4,844	4,543	-301	-6.2%
53.1%	4,699	4,454	-245	-5.2%
54.3%	4,638	4,217	-421	-9.1%
55.6%	4,435	4,085	-350	-7.9%
56.8%	4,172	4,021	-151	-3.6%
58.0%	4,118	3,774	-344	-8.4%
59.3%	4,082	3,687	-395	-9.7%
60.5%	4,035	3,619	-416	-10.3%
61.7%	3,954	3,597	-357	-9.0%
63.0%	3,873	3,587	-286	-7.4%
64.2%	3,795	3,586	-209	-5.5%
65.4%	3,731	3,367	-365	-9.8%
66.7%	3,676	3,342	-335	-9.1%
67.9%	3,442	3,302	-141	-4.1%
69.1%	3,306	3,294	-12	-0.4%
70.4%	3,261	3,189	-72	-2.2%
71.6%	3,198	3,056	-142	-4.4%
72.8%	3,193	3,006	-187	-5.9%
74.1%	3,097	2,962	-135	-4.4%
75.3%	3,037	2,947	-90	-3.0%
76.5%	3,033	2,841	-192	-6.3%
77.8%	2,990	2,799	-191	-6.4%
79.0%	2,848	2,785	-63	-2.2%
80.2%	2,837	2,742	-96	-3.4%
81.5%	2,837	2,732	-105	-3.7%
82.7%	2,689	2,697	8	0.3%
84.0%	2,649	2,640	-10	-0.4%
85.2%	2,610	2,608	-1	0.0%
86.4%	2,606	2,558	-48	-1.8%
87.7%	2,569	2,558	-11	-0.4%
88.9%	2,560	2,558	-2	-0.1%
90.1%	2,543	2,538	-4	-0.2%
91.4%	2,486	2,481	-5	-0.2%
92.6%	2,476	2,472	-4	-0.2%
93.8%	2,400	2,412	13	0.5%
95.1%	2,362	2,411	50	2.1%
96.3%	2,197	2,403	206	9.4%
97.5%	2,044	2,225	181	8.9%
98.8%	1,985	2,185	200	10.1%
100.0%	1,894	2,064	170	9.0%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,681	0	0.0%
1.2%	11,140	11,149	9	0.1%
2.5%	10,464	10,465	0	0.0%
3.7%	10,255	10,174	-82	-0.8%
4.9%	9,890	9,890	0	0.0%
6.2%	9,835	9,823	-12	-0.1%
7.4%	9,824	9,719	-105	-1.1%
8.6%	9,644	9,717	73	0.8%
9.9%	8,985	8,985	0	0.0%
11.1%	8,957	8,888	-70	-0.8%
12.3%	8,893	8,870	-23	-0.3%
13.6%	8,696	8,540	-156	-1.8%
14.8%	8,459	8,458	-1	0.0%
16.0%	8,457	8,456	-1	0.0%
17.3%	8,116	8,108	-8	-0.1%
18.5%	8,108	7,879	-229	-2.8%
19.8%	7,851	7,763	-88	-1.1%
21.0%	7,279	7,261	-18	-0.2%
22.2%	7,179	7,123	-56	-0.8%
23.5%	7,074	7,074	0	0.0%
24.7%	6,773	6,819	46	0.7%
25.9%	6,750	6,592	-158	-2.3%
27.2%	6,589	6,220	-370	-5.6%
28.4%	6,545	6,218	-328	-5.0%
29.6%	6,358	5,917	-440	-6.9%
30.9%	6,352	5,826	-527	-8.3%
32.1%	6,211	5,487	-724	-11.7%
33.3%	5,851	5,365	-486	-8.3%
34.6%	5,652	5,292	-360	-6.4%
35.8%	5,431	5,275	-155	-2.9%
37.0%	5,359	5,259	-100	-1.9%
38.3%	5,338	5,200	-139	-2.6%
39.5%	5,297	5,120	-176	-3.3%
40.7%	5,138	5,100	-39	-0.8%
42.0%	5,116	4,840	-276	-5.4%
43.2%	4,794	4,541	-253	-5.3%
44.4%	4,707	4,382	-325	-6.9%
45.7%	4,659	4,208	-452	-9.7%
46.9%	4,540	4,086	-454	-10.0%
48.1%	4,510	4,086	-424	-9.4%
49.4%	4,198	3,875	-322	-7.7%
50.6%	4,180	3,787	-393	-9.4%
51.9%	4,142	3,764	-379	-9.1%
53.1%	3,982	3,708	-274	-6.9%
54.3%	3,874	3,616	-258	-6.7%
55.6%	3,806	3,540	-266	-7.0%
56.8%	3,790	3,360	-429	-11.3%
58.0%	3,786	3,325	-462	-12.2%
59.3%	3,777	3,274	-503	-13.3%
60.5%	3,756	3,208	-548	-14.6%
61.7%	3,660	3,157	-502	-13.7%
63.0%	3,618	3,145	-474	-13.1%
64.2%	3,512	3,133	-379	-10.8%
65.4%	3,504	3,117	-387	-11.0%
66.7%	3,470	3,097	-373	-10.8%
67.9%	3,444	3,082	-362	-10.5%
69.1%	3,430	3,037	-393	-11.5%
70.4%	3,389	2,973	-416	-12.3%
71.6%	3,384	2,965	-419	-12.4%
72.8%	3,349	2,948	-401	-12.0%
74.1%	3,301	2,794	-506	-15.3%
75.3%	3,239	2,744	-495	-15.3%
76.5%	3,115	2,709	-406	-13.0%
77.8%	2,906	2,624	-282	-9.7%
79.0%	2,905	2,612	-293	-10.1%
80.2%	2,735	2,568	-167	-6.1%
81.5%	2,732	2,558	-174	-6.4%
82.7%	2,605	2,558	-47	-1.8%
84.0%	2,524	2,558	34	1.3%
85.2%	2,472	2,498	26	1.1%
86.4%	2,472	2,491	19	0.8%
87.7%	2,434	2,461	26	1.1%
88.9%	2,351	2,437	87	3.7%
90.1%	2,347	2,428	81	3.5%
91.4%	2,325	2,276	-49	-2.1%
92.6%	2,289	2,267	-22	-1.0%
93.8%	2,235	2,249	14	0.6%
95.1%	2,222	2,201	-20	-0.9%
96.3%	2,013	2,163	150	7.4%
97.5%	1,970	2,094	125	6.3%
98.8%	1,881	2,055	174	9.3%
100.0%	1,852	1,976	124	6.7%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,424	10,424	0	0.0%
1.2%	9,817	9,817	0	0.0%
2.5%	9,426	9,427	1	0.0%
3.7%	8,410	8,410	0	0.0%
4.9%	8,296	8,297	0	0.0%
6.2%	8,076	8,075	-1	0.0%
7.4%	8,061	7,946	-115	-1.4%
8.6%	7,947	7,838	-108	-1.4%
9.9%	7,529	7,473	-55	-0.7%
11.1%	7,472	7,163	-309	-4.1%
12.3%	6,876	6,875	-1	0.0%
13.6%	6,503	6,407	-95	-1.5%
14.8%	6,437	6,279	-158	-2.5%
16.0%	6,407	6,115	-292	-4.6%
17.3%	6,200	6,053	-147	-2.4%
18.5%	6,109	5,990	-119	-1.9%
19.8%	5,991	5,761	-230	-3.8%
21.0%	5,838	5,486	-353	-6.0%
22.2%	5,438	5,439	0	0.0%
23.5%	5,360	5,235	-126	-2.3%
24.7%	5,222	5,180	-42	-0.8%
25.9%	4,177	4,175	-2	0.0%
27.2%	4,093	4,173	80	2.0%
28.4%	4,066	3,882	-184	-4.5%
29.6%	4,010	3,825	-186	-4.6%
30.9%	3,987	3,819	-169	-4.2%
32.1%	3,877	3,770	-107	-2.8%
33.3%	3,825	3,763	-62	-1.6%
34.6%	3,818	3,680	-137	-3.6%
35.8%	3,684	3,608	-77	-2.1%
37.0%	3,628	3,590	-39	-1.1%
38.3%	3,618	3,510	-108	-3.0%
39.5%	3,611	3,478	-133	-3.7%
40.7%	3,595	3,417	-178	-4.9%
42.0%	3,498	3,360	-138	-3.9%
43.2%	3,304	3,352	48	1.4%
44.4%	3,238	3,253	14	0.4%
45.7%	3,237	3,223	-14	-0.4%
46.9%	3,225	3,126	-99	-3.1%
48.1%	3,057	3,065	8	0.3%
49.4%	3,039	3,011	-27	-0.9%
50.6%	2,976	2,976	0	0.0%
51.9%	2,927	2,926	-1	0.0%
53.1%	2,802	2,811	9	0.3%
54.3%	2,703	2,716	13	0.5%
55.6%	2,672	2,703	31	1.2%
56.8%	2,657	2,689	32	1.2%
58.0%	2,578	2,674	96	3.7%
59.3%	2,557	2,647	89	3.5%
60.5%	2,551	2,552	0	0.0%
61.7%	2,548	2,545	-3	-0.1%
63.0%	2,513	2,519	7	0.3%
64.2%	2,462	2,464	2	0.1%
65.4%	2,453	2,458	4	0.2%
66.7%	2,452	2,454	2	0.1%
67.9%	2,440	2,437	-3	-0.1%
69.1%	2,425	2,423	-2	-0.1%
70.4%	2,375	2,395	19	0.8%
71.6%	2,375	2,369	-6	-0.3%
72.8%	2,360	2,354	-6	-0.3%
74.1%	2,354	2,345	-10	-0.4%
75.3%	2,340	2,343	3	0.1%
76.5%	2,337	2,338	2	0.1%
77.8%	2,317	2,338	21	0.9%
79.0%	2,315	2,322	7	0.3%
80.2%	2,304	2,305	1	0.0%
81.5%	2,271	2,264	-7	-0.3%
82.7%	2,198	2,251	53	2.4%
84.0%	2,189	2,221	32	1.5%
85.2%	2,159	2,182	23	1.1%
86.4%	2,152	2,175	22	1.0%
87.7%	2,123	2,173	50	2.3%
88.9%	2,108	2,158	50	2.4%
90.1%	2,107	2,131	23	1.1%
91.4%	2,100	2,118	18	0.9%
92.6%	2,091	2,107	17	0.8%
93.8%	2,090	2,100	10	0.5%
95.1%	2,078	2,078	0	0.0%
96.3%	1,982	2,041	59	3.0%
97.5%	1,972	1,936	-36	-1.8%
98.8%	1,927	1,928	0	0.0%
100.0%	1,810	1,777	-34	-1.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,619	8,607	-13	-0.1%
1.2%	8,580	8,484	-97	-1.1%
2.5%	8,010	8,011	1	0.0%
3.7%	7,826	7,826	0	0.0%
4.9%	7,312	7,263	-49	-0.7%
6.2%	6,769	6,780	11	0.2%
7.4%	6,559	6,558	0	0.0%
8.6%	6,511	6,497	-14	-0.2%
9.9%	6,376	6,376	0	0.0%
11.1%	6,271	6,263	-7	-0.1%
12.3%	6,010	6,003	-7	-0.1%
13.6%	5,942	5,985	43	0.7%
14.8%	5,911	5,927	15	0.3%
16.0%	5,050	5,178	128	2.5%
17.3%	4,985	5,051	66	1.3%
18.5%	4,584	4,583	-1	0.0%
19.8%	4,543	4,428	-114	-2.5%
21.0%	4,482	4,373	-109	-2.4%
22.2%	4,293	4,370	76	1.8%
23.5%	4,227	3,895	-332	-7.9%
24.7%	4,021	3,810	-210	-5.2%
25.9%	3,877	3,739	-137	-3.5%
27.2%	3,536	3,532	-4	-0.1%
28.4%	3,310	3,308	-3	-0.1%
29.6%	3,255	3,245	-9	-0.3%
30.9%	3,235	3,134	-102	-3.1%
32.1%	3,186	3,107	-79	-2.5%
33.3%	3,134	3,028	-106	-3.4%
34.6%	3,012	3,013	0	0.0%
35.8%	2,998	2,920	-78	-2.6%
37.0%	2,921	2,896	-25	-0.9%
38.3%	2,837	2,885	48	1.7%
39.5%	2,823	2,833	10	0.3%
40.7%	2,790	2,790	0	0.0%
42.0%	2,736	2,736	0	0.0%
43.2%	2,714	2,709	-4	-0.2%
44.4%	2,670	2,685	14	0.5%
45.7%	2,639	2,671	32	1.2%
46.9%	2,631	2,643	12	0.4%
48.1%	2,630	2,639	10	0.4%
49.4%	2,629	2,616	-14	-0.5%
50.6%	2,616	2,563	-52	-2.0%
51.9%	2,483	2,498	15	0.6%
53.1%	2,447	2,485	38	1.6%
54.3%	2,432	2,447	15	0.6%
55.6%	2,431	2,438	7	0.3%
56.8%	2,423	2,424	1	0.0%
58.0%	2,416	2,416	0	0.0%
59.3%	2,389	2,399	9	0.4%
60.5%	2,385	2,390	5	0.2%
61.7%	2,301	2,385	85	3.7%
63.0%	2,297	2,367	70	3.1%
64.2%	2,289	2,322	33	1.4%
65.4%	2,272	2,261	-11	-0.5%
66.7%	2,262	2,260	-3	-0.1%
67.9%	2,241	2,258	17	0.8%
69.1%	2,240	2,248	9	0.4%
70.4%	2,237	2,241	4	0.2%
71.6%	2,235	2,239	3	0.1%
72.8%	2,231	2,231	0	0.0%
74.1%	2,231	2,225	-6	-0.3%
75.3%	2,192	2,218	26	1.2%
76.5%	2,165	2,192	27	1.3%
77.8%	2,161	2,187	26	1.2%
79.0%	2,147	2,137	-10	-0.5%
80.2%	2,122	2,135	13	0.6%
81.5%	2,087	2,113	26	1.2%
82.7%	2,084	2,099	14	0.7%
84.0%	2,047	2,095	48	2.3%
85.2%	2,037	2,085	49	2.4%
86.4%	2,036	2,036	0	0.0%
87.7%	2,012	2,013	0	0.0%
88.9%	2,006	1,962	-44	-2.2%
90.1%	1,979	1,960	-20	-1.0%
91.4%	1,913	1,934	21	1.1%
92.6%	1,875	1,912	37	2.0%
93.8%	1,836	1,886	50	2.7%
95.1%	1,758	1,740	-18	-1.0%
96.3%	1,741	1,716	-24	-1.4%
97.5%	1,715	1,701	-14	-0.8%
98.8%	1,705	1,669	-37	-2.1%
100.0%	1,555	1,587	32	2.1%

Table SW-34-7b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,947	8,934	-12	-0.1%
1.2%	8,569	8,487	-82	-1.0%
2.5%	8,539	8,034	-505	-5.9%
3.7%	8,352	7,981	-371	-4.4%
4.9%	7,907	7,828	-79	-1.0%
6.2%	7,601	7,769	168	2.2%
7.4%	7,566	7,603	37	0.5%
8.6%	7,490	7,574	85	1.1%
9.9%	7,473	7,425	-48	-0.6%
11.1%	7,402	7,244	-158	-2.1%
12.3%	7,110	6,956	-153	-2.2%
13.6%	6,827	6,601	-226	-3.3%
14.8%	6,402	6,374	-29	-0.4%
16.0%	6,290	6,327	36	0.6%
17.3%	6,153	6,285	132	2.1%
18.5%	6,150	6,276	125	2.0%
19.8%	6,079	6,159	80	1.3%
21.0%	6,059	6,113	54	0.9%
22.2%	5,948	6,082	134	2.3%
23.5%	5,940	6,074	134	2.3%
24.7%	5,869	5,996	127	2.2%
25.9%	5,864	5,987	124	2.1%
27.2%	5,861	5,977	116	2.0%
28.4%	5,849	5,974	126	2.2%
29.6%	5,820	5,956	136	2.3%
30.9%	5,813	5,942	129	2.2%
32.1%	5,809	5,923	114	2.0%
33.3%	5,807	5,905	98	1.7%
34.6%	5,805	5,805	0	0.0%
35.8%	5,671	5,798	127	2.2%
37.0%	5,596	5,679	83	1.5%
38.3%	5,591	5,667	76	1.4%
39.5%	5,584	5,664	80	1.4%
40.7%	5,570	5,660	90	1.6%
42.0%	5,552	5,647	95	1.7%
43.2%	5,538	5,627	89	1.6%
44.4%	5,531	5,607	75	1.4%
45.7%	5,490	5,601	112	2.0%
46.9%	5,479	5,585	106	1.9%
48.1%	5,471	5,568	97	1.8%
49.4%	5,447	5,557	110	2.0%
50.6%	5,379	5,541	162	3.0%
51.9%	5,377	5,540	163	3.0%
53.1%	5,371	5,525	154	2.9%
54.3%	5,367	5,497	129	2.4%
55.6%	5,365	5,490	125	2.3%
56.8%	5,345	5,469	125	2.3%
58.0%	5,310	5,440	129	2.4%
59.3%	5,306	5,434	128	2.4%
60.5%	5,297	5,426	129	2.4%
61.7%	5,296	5,392	96	1.8%
63.0%	5,293	5,387	94	1.8%
64.2%	5,270	5,348	77	1.5%
65.4%	5,251	5,335	84	1.6%
66.7%	5,242	5,334	92	1.8%
67.9%	5,199	5,322	123	2.4%
69.1%	5,197	5,303	106	2.0%
70.4%	5,185	5,301	116	2.2%
71.6%	5,173	5,261	88	1.7%
72.8%	5,130	5,258	127	2.5%
74.1%	5,119	5,220	101	2.0%
75.3%	5,102	5,202	100	2.0%
76.5%	5,092	5,171	78	1.5%
77.8%	4,987	5,170	183	3.7%
79.0%	4,985	5,036	50	1.0%
80.2%	4,979	5,001	22	0.4%
81.5%	4,918	5,001	83	1.7%
82.7%	4,899	4,988	89	1.8%
84.0%	4,864	4,965	101	2.1%
85.2%	4,849	4,964	115	2.4%
86.4%	4,831	4,881	50	1.0%
87.7%	4,775	4,853	78	1.6%
88.9%	4,739	4,851	112	2.4%
90.1%	4,720	4,551	-170	-3.6%
91.4%	4,505	4,457	-47	-1.1%
92.6%	4,419	4,447	27	0.6%
93.8%	4,413	4,420	7	0.2%
95.1%	4,390	4,392	2	0.0%
96.3%	4,276	4,287	11	0.3%
97.5%	4,227	4,245	18	0.4%
98.8%	4,196	4,184	-12	-0.3%
100.0%	4,182	4,183	1	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,344	9,413	70	0.7%
1.2%	9,339	9,358	19	0.2%
2.5%	9,307	9,267	-40	-0.4%
3.7%	9,288	9,251	-37	-0.4%
4.9%	9,214	9,212	-3	0.0%
6.2%	9,212	9,199	-13	-0.1%
7.4%	9,200	9,155	-44	-0.5%
8.6%	9,057	9,123	66	0.7%
9.9%	9,054	9,120	66	0.7%
11.1%	9,033	9,090	57	0.6%
12.3%	9,032	8,981	-51	-0.6%
13.6%	9,003	8,879	-124	-1.4%
14.8%	9,002	8,836	-166	-1.8%
16.0%	8,993	8,803	-190	-2.1%
17.3%	8,931	8,779	-152	-1.7%
18.5%	8,925	8,761	-164	-1.8%
19.8%	8,822	8,708	-115	-1.3%
21.0%	8,730	8,705	-26	-0.3%
22.2%	8,703	8,650	-52	-0.6%
23.5%	8,650	8,623	-27	-0.3%
24.7%	8,641	8,592	-49	-0.6%
25.9%	8,600	8,569	-31	-0.4%
27.2%	8,577	8,457	-121	-1.4%
28.4%	8,541	8,366	-175	-2.0%
29.6%	8,440	8,359	-81	-1.0%
30.9%	8,380	8,353	-28	-0.3%
32.1%	8,363	8,336	-27	-0.3%
33.3%	8,267	8,330	63	0.8%
34.6%	8,244	8,321	78	0.9%
35.8%	8,140	8,312	171	2.1%
37.0%	8,132	8,299	167	2.0%
38.3%	8,131	8,290	159	1.9%
39.5%	8,115	8,285	170	2.1%
40.7%	7,985	8,283	299	3.7%
42.0%	7,957	8,268	311	3.9%
43.2%	7,947	8,260	314	3.9%
44.4%	7,942	8,227	285	3.6%
45.7%	7,928	8,215	286	3.6%
46.9%	7,912	8,193	280	3.5%
48.1%	7,896	8,184	288	3.6%
49.4%	7,896	8,090	194	2.5%
50.6%	7,882	8,059	177	2.2%
51.9%	7,877	7,982	105	1.3%
53.1%	7,863	7,920	57	0.7%
54.3%	7,851	7,915	64	0.8%
55.6%	7,845	7,787	-57	-0.7%
56.8%	7,841	7,699	-141	-1.8%
58.0%	7,828	7,580	-248	-3.2%
59.3%	7,791	7,569	-222	-2.8%
60.5%	7,753	7,566	-187	-2.4%
61.7%	7,741	7,561	-180	-2.3%
63.0%	7,605	7,496	-109	-1.4%
64.2%	7,574	7,365	-209	-2.8%
65.4%	7,519	7,324	-195	-2.6%
66.7%	7,516	7,162	-354	-4.7%
67.9%	7,481	7,090	-392	-5.2%
69.1%	7,462	6,953	-509	-6.8%
70.4%	7,435	6,903	-532	-7.1%
71.6%	7,267	6,891	-376	-5.2%
72.8%	7,204	6,840	-364	-5.0%
74.1%	7,141	6,790	-351	-4.9%
75.3%	7,125	6,751	-373	-5.2%
76.5%	7,121	6,725	-396	-5.6%
77.8%	7,090	6,579	-511	-7.2%
79.0%	7,086	6,532	-554	-7.8%
80.2%	6,924	6,527	-398	-5.7%
81.5%	6,805	6,295	-510	-7.5%
82.7%	6,724	6,129	-595	-8.9%
84.0%	6,686	5,994	-692	-10.4%
85.2%	6,582	5,866	-716	-10.9%
86.4%	6,450	5,122	-1,328	-20.6%
87.7%	6,441	4,481	-1,961	-30.4%
88.9%	6,312	4,318	-1,995	-31.6%
90.1%	6,238	4,318	-1,921	-30.8%
91.4%	6,129	4,306	-1,823	-29.7%
92.6%	6,125	4,293	-1,831	-29.9%
93.8%	6,069	4,274	-1,795	-29.6%
95.1%	5,815	4,263	-1,552	-26.7%
96.3%	5,797	4,259	-1,537	-26.5%
97.5%	5,319	4,208	-1,110	-20.9%
98.8%	4,683	4,202	-481	-10.3%
100.0%	4,471	4,190	-281	-6.3%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,840	8,616	776	9.9%
1.2%	7,822	8,185	363	4.6%
2.5%	7,780	8,068	288	3.7%
3.7%	7,627	7,854	227	3.0%
4.9%	7,450	7,834	384	5.2%
6.2%	7,430	7,818	388	5.2%
7.4%	7,387	7,817	430	5.8%
8.6%	7,371	7,802	431	5.8%
9.9%	7,340	7,734	394	5.4%
11.1%	7,304	7,688	384	5.3%
12.3%	7,254	7,687	432	6.0%
13.6%	7,251	7,655	404	5.6%
14.8%	7,192	7,639	447	6.2%
16.0%	7,173	7,631	459	6.4%
17.3%	7,117	7,573	457	6.4%
18.5%	7,105	7,496	391	5.5%
19.8%	7,090	7,495	405	5.7%
21.0%	7,088	7,484	396	5.6%
22.2%	7,063	7,466	403	5.7%
23.5%	7,060	7,464	405	5.7%
24.7%	7,059	7,402	343	4.9%
25.9%	7,058	7,398	339	4.8%
27.2%	7,046	7,396	350	5.0%
28.4%	7,038	7,387	349	5.0%
29.6%	7,032	7,379	347	4.9%
30.9%	7,025	7,322	297	4.2%
32.1%	7,001	7,266	265	3.8%
33.3%	6,989	7,210	220	3.1%
34.6%	6,987	7,208	221	3.2%
35.8%	6,975	7,172	197	2.8%
37.0%	6,960	7,163	204	2.9%
38.3%	6,954	7,111	157	2.3%
39.5%	6,932	7,108	176	2.5%
40.7%	6,921	7,104	183	2.6%
42.0%	6,912	7,081	169	2.4%
43.2%	6,855	7,072	217	3.2%
44.4%	6,840	7,033	193	2.8%
45.7%	6,824	7,003	179	2.6%
46.9%	6,811	6,977	167	2.4%
48.1%	6,742	6,924	181	2.7%
49.4%	6,727	6,906	179	2.7%
50.6%	6,722	6,888	166	2.5%
51.9%	6,713	6,851	138	2.1%
53.1%	6,707	6,810	103	1.5%
54.3%	6,706	6,806	100	1.5%
55.6%	6,659	6,779	120	1.8%
56.8%	6,646	6,729	83	1.2%
58.0%	6,640	6,729	89	1.3%
59.3%	6,586	6,722	136	2.1%
60.5%	6,583	6,669	87	1.3%
61.7%	6,575	6,659	85	1.3%
63.0%	6,571	6,645	74	1.1%
64.2%	6,525	6,636	111	1.7%
65.4%	6,510	6,586	76	1.2%
66.7%	6,506	6,583	77	1.2%
67.9%	6,481	6,527	46	0.7%
69.1%	6,428	6,525	97	1.5%
70.4%	6,417	6,515	98	1.5%
71.6%	6,410	6,508	98	1.5%
72.8%	6,399	6,473	74	1.2%
74.1%	6,395	6,461	67	1.0%
75.3%	6,273	6,429	156	2.5%
76.5%	6,260	6,414	155	2.5%
77.8%	6,216	6,386	171	2.7%
79.0%	6,032	6,275	242	4.0%
80.2%	5,931	6,241	311	5.2%
81.5%	5,900	6,234	334	5.7%
82.7%	5,801	6,214	413	7.1%
84.0%	5,769	6,159	390	6.8%
85.2%	5,659	6,126	467	8.2%
86.4%	5,180	6,064	884	17.1%
87.7%	5,058	5,907	849	16.8%
88.9%	4,832	5,812	979	20.3%
90.1%	4,765	5,649	884	18.6%
91.4%	4,666	5,592	926	19.9%
92.6%	4,628	5,559	931	20.1%
93.8%	4,529	5,313	784	17.3%
95.1%	4,299	5,225	925	21.5%
96.3%	4,255	4,840	584	13.7%
97.5%	4,208	4,721	514	12.2%
98.8%	4,156	4,664	508	12.2%
100.0%	4,148	4,458	310	7.5%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,142	9,416	274	3.0%
1.2%	9,123	9,076	-47	-0.5%
2.5%	9,017	8,967	-50	-0.6%
3.7%	8,941	8,809	-132	-1.5%
4.9%	8,747	8,760	13	0.1%
6.2%	8,625	8,704	79	0.9%
7.4%	8,574	8,651	76	0.9%
8.6%	8,545	8,579	35	0.4%
9.9%	8,333	8,506	173	2.1%
11.1%	8,219	8,415	197	2.4%
12.3%	8,172	8,333	161	2.0%
13.6%	8,125	8,306	181	2.2%
14.8%	7,964	8,219	256	3.2%
16.0%	7,919	8,133	214	2.7%
17.3%	7,815	7,931	116	1.5%
18.5%	7,007	7,870	863	12.3%
19.8%	6,926	7,783	857	12.4%
21.0%	6,298	6,773	475	7.5%
22.2%	6,112	6,654	543	8.9%
23.5%	6,083	6,604	520	8.6%
24.7%	6,027	6,532	505	8.4%
25.9%	5,978	6,443	464	7.8%
27.2%	5,881	6,432	551	9.4%
28.4%	5,786	6,432	645	11.2%
29.6%	5,750	6,431	681	11.8%
30.9%	5,749	6,400	652	11.3%
32.1%	5,742	6,287	544	9.5%
33.3%	5,731	6,260	530	9.2%
34.6%	5,721	6,258	537	9.4%
35.8%	5,705	6,205	500	8.8%
37.0%	5,626	6,182	556	9.9%
38.3%	5,614	6,086	472	8.4%
39.5%	5,585	6,074	489	8.8%
40.7%	5,544	6,066	522	9.4%
42.0%	5,544	6,017	473	8.5%
43.2%	5,497	6,000	503	9.2%
44.4%	5,450	5,945	495	9.1%
45.7%	5,442	5,859	417	7.7%
46.9%	5,408	5,848	440	8.1%
48.1%	5,364	5,839	475	8.9%
49.4%	5,333	5,810	477	8.9%
50.6%	5,314	5,790	476	9.0%
51.9%	5,246	5,763	517	9.9%
53.1%	5,215	5,736	522	10.0%
54.3%	5,210	5,679	470	9.0%
55.6%	5,100	5,657	556	10.9%
56.8%	5,100	5,646	546	10.7%
58.0%	4,988	5,609	620	12.4%
59.3%	4,922	5,577	655	13.3%
60.5%	4,864	5,522	658	13.5%
61.7%	4,850	5,513	664	13.7%
63.0%	4,821	4,989	167	3.5%
64.2%	4,808	4,944	136	2.8%
65.4%	4,780	4,891	111	2.3%
66.7%	4,776	4,855	79	1.7%
67.9%	4,761	4,837	77	1.6%
69.1%	4,735	4,831	95	2.0%
70.4%	4,730	4,830	100	2.1%
71.6%	4,726	4,810	84	1.8%
72.8%	4,710	4,800	90	1.9%
74.1%	4,705	4,789	83	1.8%
75.3%	4,680	4,783	103	2.2%
76.5%	4,656	4,745	89	1.9%
77.8%	4,575	4,744	169	3.7%
79.0%	4,543	4,737	195	4.3%
80.2%	4,517	4,728	211	4.7%
81.5%	4,413	4,725	312	7.1%
82.7%	4,376	4,718	342	7.8%
84.0%	4,346	4,704	358	8.2%
85.2%	4,339	4,665	326	7.5%
86.4%	4,309	4,658	349	8.1%
87.7%	4,306	4,648	341	7.9%
88.9%	4,303	4,627	324	7.5%
90.1%	4,301	4,609	308	7.2%
91.4%	4,298	4,588	290	6.7%
92.6%	4,298	4,424	126	2.9%
93.8%	4,284	4,401	117	2.7%
95.1%	4,283	4,354	71	1.7%
96.3%	4,249	4,300	50	1.2%
97.5%	4,242	4,284	42	1.0%
98.8%	4,228	4,282	53	1.3%
100.0%	4,200	4,177	-23	-0.5%

Table SW-35-7a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	-6,024	-6,006	-6,736	-3,456	-3,185	-2,843	752	265	-3,714	-9,532	-9,171	-7,712
Alternative C	-6,661	-7,024	-6,744	-3,644	-3,259	-2,770	738	248	-3,690	-9,657	-9,657	-8,493
Difference	-638	-1,018	-9	-188	-74	73	-14	-17	25	-125	-487	-781
Percent Difference[3]	-10.6%	-17.0%	-0.1%	-5.4%	-2.3%	2.6%	-1.9%	-6.3%	0.7%	-1.3%	-5.3%	-10.1%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	-6,186	-5,518	-7,037	-2,094	-2,518	-1,900	2,264	1,385	-4,208	-8,917	-10,406	-8,540
Alternative C	-7,586	-6,892	-7,180	-2,129	-2,410	-1,820	2,255	1,366	-4,231	-8,923	-10,323	-9,462
Difference	-1,400	-1,374	-143	-35	107	79	-9	-19	-24	-7	83	-921
Percent Difference	-22.6%	-24.9%	-2.0%	-1.7%	4.3%	4.2%	-0.4%	-1.4%	-0.6%	-0.1%	0.8%	-10.8%
Above Normal (15%)												
No Action Alternative	-6,596	-6,082	-7,821	-3,723	-2,947	-4,269	910	415	-4,707	-9,954	-10,873	-8,531
Alternative C	-7,313	-7,786	-7,577	-3,661	-3,186	-4,158	906	410	-4,606	-10,170	-10,765	-9,380
Difference	-717	-1,705	244	62	-238	112	-4	-5	101	-217	107	-849
Percent Difference	-10.9%	-28.0%	3.1%	1.7%	-8.1%	2.6%	-0.5%	-1.2%	2.1%	-2.2%	1.0%	-10.0%
Below Normal (17%)												
No Action Alternative	-7,108	-8,187	-6,606	-4,240	-3,389	-3,923	637	248	-3,812	-10,867	-10,124	-8,484
Alternative C	-7,696	-8,585	-6,798	-4,240	-3,356	-3,936	634	247	-3,783	-10,894	-10,030	-8,971
Difference	-588	-398	-191	0	33	-13	-3	-2	29	-27	95	-486
Percent Difference	-8.3%	-4.9%	-2.9%	0.0%	1.0%	-0.3%	-0.5%	-0.7%	0.8%	-0.3%	0.9%	-5.7%
Dry (22%)												
No Action Alternative	-5,777	-6,519	-6,117	-4,527	-4,112	-2,884	-329	-671	-3,228	-10,750	-9,053	-7,376
Alternative C	-5,723	-7,290	-6,319	-4,796	-4,150	-2,771	-322	-628	-3,204	-10,921	-10,200	-8,394
Difference	54	-771	-201	-269	-38	113	6	43	24	-171	-1,147	-1,018
Percent Difference	0.9%	-11.8%	-3.3%	-5.9%	-0.9%	3.9%	2.0%	6.4%	0.8%	-1.6%	-12.7%	-13.8%
Critical (15%)												
No Action Alternative	-4,206	-3,674	-6,076	-3,620	-3,241	-2,140	-925	-890	-2,266	-7,060	-3,856	-4,702
Alternative C	-4,206	-4,330	-5,546	-4,489	-3,721	-2,080	-1,005	-1,019	-2,218	-7,395	-5,857	-5,097
Difference	-1	-655	530	-869	-480	61	-80	-129	47	-335	-2,001	-396
Percent Difference	0.0%	-17.8%	8.7%	-24.0%	-14.8%	2.8%	-8.7%	-14.5%	2.1%	-4.7%	-51.9%	-8.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-35-7b
Old and Middle River, Monthly Flow
Probability of Exceedance

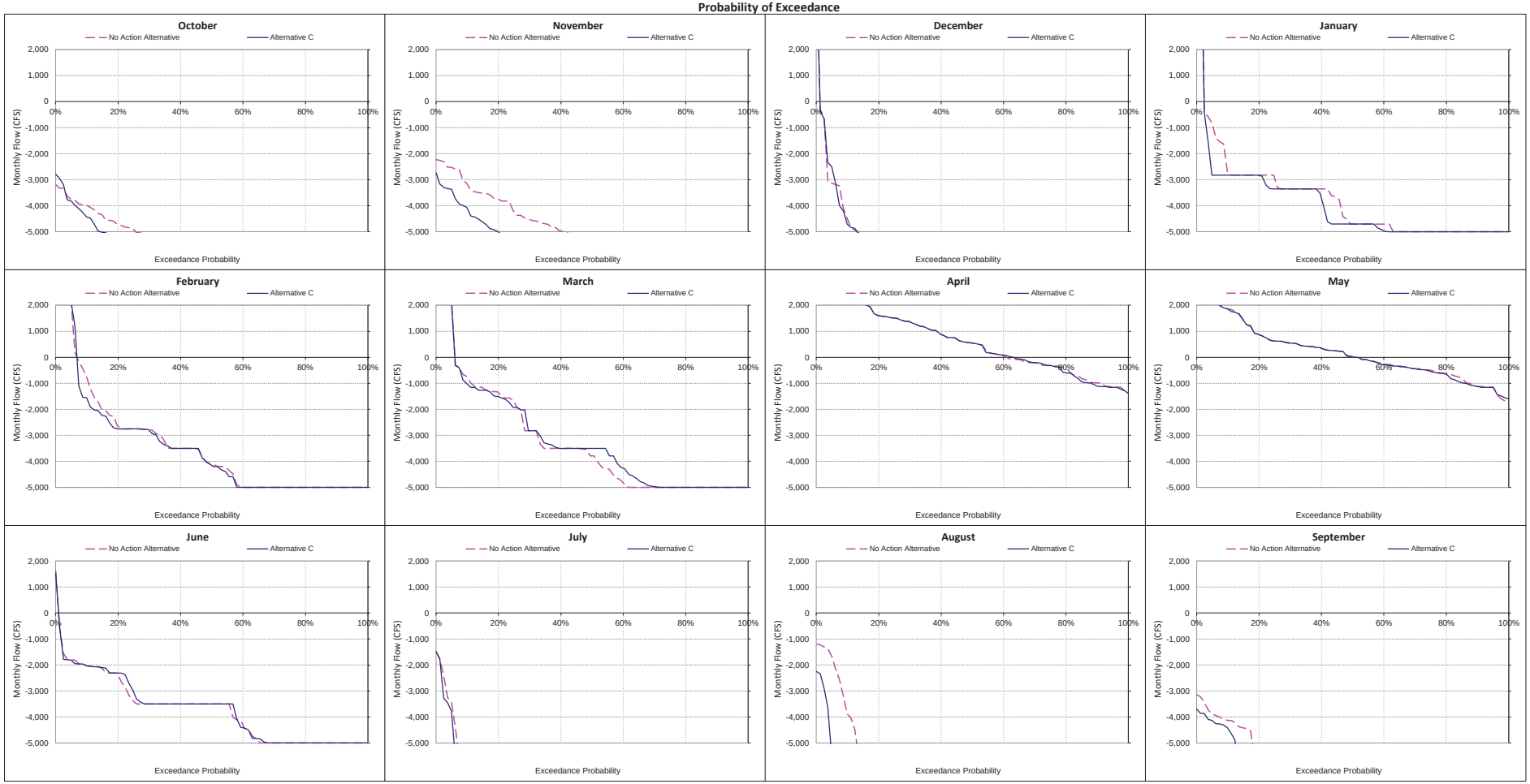

Table SW-35-7b
Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,190	-2,785	405	
1.2%	-3,326	-2,960	366	
2.5%	-3,330	-3,201	129	
3.7%	-3,641	-3,773	-132	
4.9%	-3,750	-3,819	-68	
6.2%	-3,785	-3,985	-199	
7.4%	-3,936	-4,119	-183	
8.6%	-3,959	-4,261	-303	
9.9%	-3,981	-4,434	-453	
11.1%	-4,068	-4,476	-409	
12.3%	-4,163	-4,709	-546	
13.6%	-4,295	-4,972	-677	
14.8%	-4,345	-5,025	-680	
16.0%	-4,553	-5,042	-489	
17.3%	-4,561	-5,127	-565	
18.5%	-4,596	-5,214	-618	
19.8%	-4,721	-5,228	-507	
21.0%	-4,763	-5,267	-504	
22.2%	-4,824	-5,394	-570	
23.5%	-4,842	-5,535	-693	
24.7%	-4,883	-5,571	-688	
25.9%	-5,043	-5,575	-532	
27.2%	-5,046	-5,594	-549	
28.4%	-5,065	-5,606	-541	
29.6%	-5,136	-5,608	-472	
30.9%	-5,176	-5,639	-463	
32.1%	-5,180	-5,704	-523	
33.3%	-5,217	-5,716	-500	
34.6%	-5,302	-5,750	-448	
35.8%	-5,364	-5,813	-449	
37.0%	-5,374	-5,839	-465	
38.3%	-5,458	-5,840	-382	
39.5%	-5,519	-5,958	-439	
40.7%	-5,520	-5,970	-450	
42.0%	-5,535	-6,011	-477	
43.2%	-5,555	-6,087	-531	
44.4%	-5,606	-6,093	-487	
45.7%	-5,615	-6,114	-499	
46.9%	-5,661	-6,340	-679	
48.1%	-5,663	-6,515	-852	
49.4%	-5,679	-6,584	-905	
50.6%	-5,737	-6,755	-1,018	
51.9%	-5,762	-6,777	-1,015	
53.1%	-5,772	-6,887	-1,115	
54.3%	-5,791	-7,034	-1,243	
55.6%	-5,819	-7,209	-1,390	
56.8%	-5,819	-7,300	-1,481	
58.0%	-5,842	-7,312	-1,470	
59.3%	-5,880	-7,410	-1,530	
60.5%	-6,172	-7,628	-1,456	
61.7%	-6,189	-7,677	-1,487	
63.0%	-6,256	-7,692	-1,426	
64.2%	-6,323	-7,702	-1,379	
65.4%	-6,416	-7,713	-1,296	
66.7%	-6,422	-7,772	-1,350	
67.9%	-6,490	-7,808	-1,318	
69.1%	-6,631	-7,812	-1,181	
70.4%	-6,704	-7,838	-1,135	
71.6%	-6,775	-7,939	-1,164	
72.8%	-6,790	-7,942	-1,152	
74.1%	-6,831	-7,967	-1,136	
75.3%	-6,878	-7,991	-1,113	
76.5%	-6,956	-8,008	-1,052	
77.8%	-7,052	-8,044	-993	
79.0%	-7,201	-8,080	-879	
80.2%	-7,456	-8,093	-637	
81.5%	-7,651	-8,131	-480	
82.7%	-7,775	-8,181	-406	
84.0%	-7,834	-8,344	-510	
85.2%	-7,952	-8,477	-525	
86.4%	-8,074	-8,488	-414	
87.7%	-8,092	-8,532	-440	
88.9%	-8,107	-8,533	-426	
90.1%	-8,162	-8,732	-570	
91.4%	-8,531	-8,837	-306	
92.6%	-8,684	-8,870	-186	
93.8%	-8,989	-8,989	0	
95.1%	-9,008	-8,990	18	
96.3%	-9,645	-9,026	619	
97.5%	-9,686	-9,708	-22	
98.8%	-10,127	-10,320	-193	
100.0%	-10,427	-10,427	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,230	-2,742	-512	
1.2%	-2,257	-3,172	-914	
2.5%	-2,309	-3,301	-991	
3.7%	-2,522	-3,343	-821	
4.9%	-2,526	-3,367	-841	
6.2%	-2,598	-3,731	-1,133	
7.4%	-2,600	-3,933	-1,332	
8.6%	-3,032	-3,992	-960	
9.9%	-3,144	-4,062	-917	
11.1%	-3,420	-4,396	-976	
12.3%	-3,465	-4,439	-973	
13.6%	-3,495	-4,516	-1,022	
14.8%	-3,519	-4,621	-1,102	
16.0%	-3,530	-4,728	-1,198	
17.3%	-3,589	-4,884	-1,296	
18.5%	-3,710	-4,926	-1,217	
19.8%	-3,732	-4,997	-1,265	
21.0%	-3,817	-5,116	-1,299	
22.2%	-3,822	-5,318	-1,496	
23.5%	-3,839	-5,456	-1,617	
24.7%	-4,189	-5,467	-1,277	
25.9%	-4,369	-5,479	-1,109	
27.2%	-4,373	-5,641	-1,269	
28.4%	-4,468	-5,722	-1,255	
29.6%	-4,515	-5,820	-1,305	
30.9%	-4,576	-5,862	-1,286	
32.1%	-4,589	-5,901	-1,311	
33.3%	-4,647	-6,088	-1,442	
34.6%	-4,686	-6,100	-1,414	
35.8%	-4,716	-6,262	-1,547	
37.0%	-4,826	-6,286	-1,459	
38.3%	-4,843	-6,406	-1,563	
39.5%	-4,962	-6,458	-1,496	
40.7%	-4,996	-6,482	-1,486	
42.0%	-5,042	-6,740	-1,698	
43.2%	-5,116	-6,758	-1,642	
44.4%	-5,127	-6,766	-1,638	
45.7%	-5,182	-6,802	-1,620	
46.9%	-5,266	-6,816	-1,550	
48.1%	-5,437	-6,909	-1,471	
49.4%	-5,593	-6,955	-1,362	
50.6%	-5,747	-6,999	-1,252	
51.9%	-5,750	-7,010	-1,260	
53.1%	-5,848	-7,202	-1,353	
54.3%	-5,850	-7,211	-1,362	
55.6%	-5,967	-7,465	-1,498	
56.8%	-5,993	-7,507	-1,513	
58.0%	-6,102	-7,553	-1,451	
59.3%	-6,115	-7,567	-1,452	
60.5%	-6,125	-7,673	-1,548	
61.7%	-6,128	-7,736	-1,609	
63.0%	-6,346	-7,748	-1,402	
64.2%	-6,454	-7,885	-1,430	
65.4%	-6,465	-7,904	-1,440	
66.7%	-6,467	-8,099	-1,632	
67.9%	-6,787	-8,182	-1,395	
69.1%	-7,096	-8,210	-1,114	
70.4%	-7,276	-8,280	-1,005	
71.6%	-7,379	-8,319	-940	
72.8%	-7,560	-8,349	-789	
74.1%	-7,843	-8,375	-532	
75.3%	-7,946	-8,749	-804	
76.5%	-8,012	-8,762	-750	
77.8%	-8,126	-8,773	-647	
79.0%	-8,491	-8,910	-419	
80.2%	-8,676	-9,028	-352	
81.5%	-8,830	-9,110	-280	
82.7%	-9,045	-9,137	-91	
84.0%	-9,105	-9,607	-502	
85.2%	-9,180	-9,899	-719	
86.4%	-9,182	-9,907	-724	
87.7%	-9,899	-9,916	-17	
88.9%	-9,916	-10,058	-142	
90.1%	-10,058	-10,082	-24	
91.4%	-10,082	-10,196	-114	
92.6%	-10,196	-10,204	-8	
93.8%	-10,204	-10,230	-26	
95.1%	-10,230	-10,240	-10	
96.3%	-10,239	-10,273	-33	
97.5%	-10,282	-10,281	1	
98.8%	-10,318	-10,282	37	
100.0%	-10,497	-10,318	179	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,594	5,487	-106	-1.9%
1.2%	-304	-357	-53	
2.5%	-621	-671	-50	
3.7%	-3,102	-2,341	760	
4.9%	-3,130	-2,502	628	
6.2%	-3,194	-3,146	48	
7.4%	-3,238	-3,998	-759	
8.6%	-4,099	-4,203	-104	
9.9%	-4,489	-4,714	-225	
11.1%	-4,849	-4,836	14	
12.3%	-4,947	-4,880	68	
13.6%	-5,061	-5,068	-6	
14.8%	-5,247	-5,176	71	
16.0%	-5,464	-5,437	27	
17.3%	-5,519	-5,500	19	
18.5%	-5,871	-5,579	292	
19.8%	-5,871	-5,661	210	
21.0%	-5,871	-5,781	90	
22.2%	-5,871	-5,871	0	
23.5%	-5,871	-5,871	0	
24.7%	-5,871	-5,871	0	
25.9%	-5,871	-5,871	0	
27.2%	-5,871	-5,871	0	
28.4%	-5,871	-5,871	0	
29.6%	-5,871	-5,871	0	
30.9%	-5,871	-5,871	0	
32.1%	-5,871	-5,871	0	
33.3%	-5,871	-5,871	0	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,977	-5,871	106	
50.6%	-6,389	-5,871	518	
51.9%	-6,497	-6,018	479	
53.1%	-6,574	-6,097	477	
54.3%	-6,784	-6,179	605	
55.6%	-6,813	-6,455	358	
56.8%	-7,107	-6,820	287	
58.0%	-7,177	-7,293	-116	
59.3%	-7,507	-7,311	196	
60.5%	-7,516	-7,846	-330	
61.7%	-7,607	-8,040	-433	
63.0%	-7,935	-8,043	-108	
64.2%	-7,955	-8,058	-103	
65.4%	-8,075	-8,244	-168	
66.7%	-8,232	-8,424	-192	
67.9%	-8,342	-8,457	-115	
69.1%	-8,375	-8,751	-376	
70.4%	-8,513	-8,849	-336	
71.6%	-8,547	-8,887	-340	
72.8%	-8,599	-8,893	-294	
74.1%	-8,676	-8,914	-238	
75.3%	-8,789	-8,983	-193	
76.5%	-8,794	-9,000	-206	
77.8%	-8,885	-9,022	-137	
79.0%	-8,887	-9,225	-338	
80.2%	-8,931	-9,352	-421	
81.5%	-9,175	-9,377	-202	
82.7%	-9,269	-9,495	-227	
84.0%	-9,495	-9,511	-15	
85.2%	-9,500	-9,551	-51	
86.4%	-9,511	-9,570	-59	
87.7%	-9,558	-9,653	-96	
88.9%	-9,654	-9,676	-22	
90.1%	-9,687	-9,683	4	
91.4%	-9,696	-9,687	9	
92.6%	-9,710	-9,696	15	
93.8%	-9,715	-9,710	4	
95.1%	-9,715	-9,715	0	
96.3%	-9,737	-9,715	22	
97.5%	-9,817	-9,737	80	
98.8%	-10,013	-9,817	196	
100.0%	-10,138	-10,027	111	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,020	24,987	-33	-0.1%
1.2%	8,268	8,016	-252	-3.0%
2.5%	-428	-453	-25	
3.7%	-585	-1,582	-997	
4.9%	-823	-2,823	-2,000	
6.2%	-1,398	-2,823	-1,425	
7.4%	-1,544	-2,823	-1,278	
8.6%	-1,625	-2,823	-1,198	
9.9%	-2,723	-2,823	-100	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823	0	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-2,870	-48	
22.2%	-2,823	-3,208	-385	
23.5%	-2,823	-3,344	-521	
24.7%	-2,823	-3,355	-532	
25.9%	-3,308	-3,355	-47	
27.2%	-3,355	-3,355	0	
28.4%	-3,355	-3,355	0	
29.6%	-3,355	-3,355	0	
30.9%	-3,355	-3,355	0	
32.1%	-3,355	-3,355	0	
33.3%	-3,355	-3,355	0	
34.6%	-3,355	-3,355	0	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,355	0	
39.5%	-3,355	-3,519	-164	
40.7%	-3,355	-4,019	-664	
42.0%	-3,355	-4,610	-1,256	
43.2%	-3,617	-4,710	-1,093	
44.4%	-3,645	-4,710	-1,065	
45.7%	-3,756	-4,710	-953	
46.9%	-4,417	-4,710	-293	
48.1%	-4,533	-4,710	-176	
49.4%	-4,710	-4,710	0	
50.6%	-4,710	-4,710	0	
51.9%	-4,710	-4,710	0	
53.1%	-4,710	-4,710	0	
54.3%	-4,710	-4,710	0	
55.6%	-4,710	-4,710	0	
56.8%	-4,710	-4,710	0	
58.0%	-4,710	-4,854	-144	
59.3%	-4,710	-4,924	-214	
60.5%	-4,710	-4,992	-282	
61.7%	-4,710	-5,000	-290	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-7b
Old and Middle River, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,732	13,964	-768	-5.2%
1.2%	6,087	9,538	3,451	56.7%
2.5%	5,800	4,497	-1,302	-22.5%
3.7%	4,633	3,299	-1,334	-28.8%
4.9%	2,201	2,159	-42	-1.9%
6.2%	183	1,198	1,016	556.3%
7.4%	-162	-1,117	-955	
8.6%	-423	-1,531	-1,107	
9.9%	-750	-1,555	-805	
11.1%	-1,229	-1,909	-680	
12.3%	-1,531	-2,027	-496	
13.6%	-1,711	-2,054	-342	
14.8%	-2,027	-2,233	-206	
16.0%	-2,054	-2,268	-214	
17.3%	-2,233	-2,532	-299	
18.5%	-2,268	-2,701	-433	
19.8%	-2,629	-2,750	-121	
21.0%	-2,750	-2,750	0	
22.2%	-2,750	-2,750	0	
23.5%	-2,750	-2,750	0	
24.7%	-2,750	-2,750	0	
25.9%	-2,750	-2,750	0	
27.2%	-2,750	-2,750	0	
28.4%	-2,776	-2,776	0	
29.6%	-2,776	-2,776	0	
30.9%	-2,794	-2,931	-137	
32.1%	-2,931	-2,983	-52	
33.3%	-2,983	-3,232	-250	
34.6%	-3,161	-3,339	-178	
35.8%	-3,482	-3,405	77	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,527	-3,500	27	
46.9%	-3,823	-3,873	-50	
48.1%	-4,032	-4,005	27	
49.4%	-4,081	-4,106	-26	
50.6%	-4,129	-4,196	-67	
51.9%	-4,196	-4,196	0	
53.1%	-4,196	-4,330	-134	
54.3%	-4,207	-4,391	-184	
55.6%	-4,355	-4,585	-230	
56.8%	-4,480	-4,591	-111	
58.0%	-4,906	-4,998	-92	
59.3%	-4,979	-5,000	-21	
60.5%	-5,000	-5,000	0	
61.7%	-5,000	-5,000	0	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,361	24,330	-31	-0.1%
1.2%	8,574	8,293	-281	-3.3%
2.5%	8,324	7,712	-612	-7.4%
3.7%	5,081	5,046	-35	-0.7%
4.9%	2,271	2,109	-162	-7.1%
6.2%	-314	-314	0	
7.4%	-369	-404	-35	
8.6%	-662	-865	-204	
9.9%	-735	-1,018	-283	
11.1%	-984	-1,150	-166	
12.3%	-1,115	-1,150	-36	
13.6%	-1,150	-1,263	-113	
14.8%	-1,150	-1,269	-119	
16.0%	-1,269	-1,269	0	
17.3%	-1,269	-1,328	-59	
18.5%	-1,320	-1,483	-164	
19.8%	-1,328	-1,506	-178	
21.0%	-1,506	-1,566	-59	
22.2%	-1,564	-1,616	-52	
23.5%	-1,566	-1,734	-168	
24.7%	-1,639	-1,927	-288	
25.9%	-1,919	-1,931	-12	
27.2%	-2,024	-2,020	4	
28.4%	-2,823	-2,024	798	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,823	0	
33.3%	-3,333	-3,016	317	
34.6%	-3,500	-3,284	216	
35.8%	-3,500	-3,333	167	
37.0%	-3,500	-3,361	139	
38.3%	-3,500	-3,454	46	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,524	-3,500	24	
48.1%	-3,550	-3,500	50	
49.4%	-3,790	-3,500	290	
50.6%	-3,790	-3,500	290	
51.9%	-4,032	-3,500	532	
53.1%	-4,226	-3,500	726	
54.3%	-4,239	-3,500	739	
55.6%	-4,311	-3,790	521	
56.8%	-4,516	-3,790	726	
58.0%	-4,639	-4,078	561	
59.3%	-4,738	-4,226	512	
60.5%	-4,885	-4,293	593	
61.7%	-5,000	-4,503	497	
63.0%	-5,000	-4,560	440	
64.2%	-5,000	-4,662	338	
65.4%	-5,000	-4,782	218	
66.7%	-5,000	-4,831	169	
67.9%	-5,000	-4,926	74	
69.1%	-5,000	-4,963	37	
70.4%	-5,000	-4,984	16	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,818	4,800	-18	-0.4%
1.2%	4,653	4,619	-34	-0.7%
2.5%	4,471	4,454	-18	-0.4%
3.7%	4,361	4,326	-34	-0.8%
4.9%	4,264	4,246	-18	-0.4%
6.2%	3,850	3,832	-18	-0.5%
7.4%	3,408	3,390	-18	-0.5%
8.6%	2,984	2,966	-18	-0.6%
9.9%	2,951	2,933	-18	-0.6%
11.1%	2,686	2,668	-18	-0.7%
12.3%	2,666	2,648	-18	-0.7%
13.6%	2,368	2,358	-10	-0.4%
14.8%	2,058	2,034	-24	-1.2%
16.0%	2,026	2,008	-18	-0.9%
17.3%	1,933	1,933	0	0.0%
18.5%	1,680	1,680	0	0.0%
19.8%	1,615	1,598	-17	-1.1%
21.0%	1,580	1,580	0	0.0%
22.2%	1,568	1,568	0	0.0%
23.5%	1,531	1,531	0	0.0%
24.7%	1,509	1,509	0	0.0%
25.9%	1,505	1,486	-19	-1.3%
27.2%	1,434	1,434	0	0.0%
28.4%	1,395	1,378	-17	-1.2%
29.6%	1,378	1,378	0	0.0%
30.9%	1,312	1,312	0	0.0%
32.1%	1,261	1,261	0	0.0%
33.3%	1,188	1,188	0	0.0%
34.6%	1,172	1,172	0	0.0%
35.8%	1,098	1,098	0	0.0%
37.0%	1,042	1,042	0	0.0%
38.3%	1,035	1,035	0	0.0%
39.5%	913	913	0	0.0%
40.7%	843	842	0	0.0%
42.0%	766	766	0	0.0%
43.2%	757	757	0	0.0%
44.4%	745	745	0	0.0%
45.7%	641	641	0	0.0%
46.9%	605	605	0	0.0%
48.1%	570	569	0	0.0%
49.4%	559	559	0	0.0%
50.6%	533	533	0	0.0%
51.9%	505	505	0	0.0%
53.1%	472	472	0	0.0%
54.3%	280	197	-82	-29.4%
55.6%	163	163	0	-0.3%
56.8%	141	141	0	0.0%
58.0%	117	117	0	0.0%
59.3%	78	97	19	24.8%
60.5%	28	78	50	
61.7%	-53	28	81	
63.0%	-66	5	70	
64.2%	-80	-53	27	
65.4%	-98	-65	33	
66.7%	-170	-98	72	
67.9%	-201	-170	31	
69.1%	-206	-201	5	
70.4%	-219	-206	13	
71.6%	-276	-219	57	
72.8%	-309	-276	33	
74.1%	-315	-315	0	
75.3%	-319	-321	-2	
76.5%	-321	-362	-41	
77.8%	-362	-378	-17	
79.0%	-379	-575	-195	
80.2%	-438	-601	-163	
81.5%	-601	-609	-8	
82.7%	-718	-718	0	
84.0%	-727	-827	-100	
85.2%	-827	-957	-130	
86.4%	-864	-977	-114	
87.7%	-957	-989	-32	
88.9%	-978	-1,047	-69	
90.1%	-987	-1,119	-132	
91.4%	-989	-1,120	-132	
92.6%	-1,119	-1,128	-9	
93.8%	-1,119	-1,150	-31	
95.1%	-1,150	-1,150	0	
96.3%	-1,150	-1,150	0	
97.5%	-1,150	-1,228	-77	
98.8%	-1,287	-1,287	0	
100.0%	-1,380	-1,381	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,937	3,911	-26	-0.6%
1.2%	3,848	3,822	-26	-0.7%
2.5%	3,813	3,710	-104	-2.7%
3.7%	3,673	3,647	-26	-0.7%
4.9%	2,846	2,821	-26	-0.9%
6.2%	2,802	2,776	-26	-0.9%
7.4%	2,008	1,982	-26	-1.3%
8.6%	1,929	1,903	-26	-1.3%
9.9%	1,865	1,855	-10	-0.5%
11.1%	1,840	1,759	-81	-4.4%
12.3%	1,759	1,728	-31	-1.8%
13.6%	1,687	1,660	-26	-1.6%
14.8%	1,474	1,448	-25	-1.7%
16.0%	1,253	1,254	1	0.1%
17.3%	1,220	1,195	-24	-2.0%
18.5%	940	926	-14	-1.5%
19.8%	884	884	0	0.0%
21.0%	832	818	-13	-1.6%
22.2%	751	751	0	0.0%
23.5%	659	659	0	0.0%
24.7%	627	626	0	-0.1%
25.9%	621	621	0	0.0%
27.2%	617	617	0	-0.1%
28.4%	581	572	-9	-1.5%
29.6%	572	543	-29	-5.1%
30.9%	543	543	-1	-0.1%
32.1%	518	518	0	0.0%
33.3%	454	454	0	0.0%
34.6%	431	431	0	0.0%
35.8%	422	422	0	-0.1%
37.0%	409	409	0	0.0%
38.3%	383	383	0	0.0%
39.5%	370	369	0	-0.1%
40.7%	313	315	1	0.4%
42.0%	275	275	0	0.0%
43.2%	260	260	-1	-0.3%
44.4%	256	256	0	-0.1%
45.7%	231	231	0	0.0%
46.9%	227	227	0	-0.2%
48.1%	76	38	-38	-49.6%
49.4%	35	35	-1	-1.8%
50.6%	0	0	0	
51.9%	-11	-10	1	
53.1%	-88	-88	0	
54.3%	-89	-89	0	
55.6%	-137	-137	0	
56.8%	-159	-159	0	
58.0%	-202	-213	-11	
59.3%	-214	-277	-63	
60.5%	-277	-280	-3	
61.7%	-280	-312	-33	
63.0%	-312	-332	-19	
64.2%	-332	-335	-3	
65.4%	-335	-364	-29	
66.7%	-365	-366	-1	
67.9%	-400	-400	0	
69.1%	-435	-438	-3	
70.4%	-441	-444	-4	
71.6%	-444	-478	-34	
72.8%	-478	-480	-2	
74.1%	-481	-506	-24	
75.3%	-506	-559	-53	
76.5%	-559	-586	-27	
77.8%	-586	-619	-33	
79.0%	-619	-620	-1	
80.2%	-620	-667	-46	
81.5%	-667	-827	-161	
82.7%	-715	-864	-149	
84.0%	-752	-932	-179	
85.2%	-827	-983	-156	
86.4%	-983	-1,006	-23	
87.7%	-1,008	-1,063	-54	
88.9%	-1,093	-1,093	0	
90.1%	-1,116	-1,125	-9	
91.4%	-1,126	-1,150	-25	
92.6%	-1,150	-1,150	0	
93.8%	-1,150	-1,150	0	
95.1%	-1,150	-1,150	0	
96.3%	-1,435	-1,435	0	
97.5%	-1,590	-1,480	110	
98.8%	-1,675	-1,558	117	
100.0%	-1,737	-1,591	147	

Table SW-35-7b
Old and Middle River, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,633	1,547	-86	-5.3%
1.2%	-495	-553	-58	
2.5%	-1,557	-1,778	-221	
3.7%	-1,773	-1,801	-28	
4.9%	-1,801	-1,810	-9	
6.2%	-1,812	-1,952	-141	
7.4%	-1,952	-1,956	-3	
8.6%	-1,958	-1,958	-1	
9.9%	-2,033	-2,032	1	
11.1%	-2,054	-2,054	0	
12.3%	-2,069	-2,068	1	
13.6%	-2,070	-2,070	0	
14.8%	-2,122	-2,097	25	
16.0%	-2,302	-2,122	181	
17.3%	-2,308	-2,305	3	
18.5%	-2,308	-2,308	0	
19.8%	-2,314	-2,311	3	
21.0%	-2,650	-2,314	336	
22.2%	-2,847	-2,374	474	
23.5%	-3,163	-2,708	456	
24.7%	-3,371	-2,968	403	
25.9%	-3,500	-3,312	188	
27.2%	-3,500	-3,423	77	
28.4%	-3,500	-3,500	0	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-4,014	-3,500	514	
58.0%	-4,105	-4,073	33	
59.3%	-4,128	-4,399	-271	
60.5%	-4,435	-4,427	8	
61.7%	-4,489	-4,493	-4	
63.0%	-4,730	-4,818	-88	
64.2%	-4,833	-4,823	10	
65.4%	-5,000	-4,834	166	
66.7%	-5,000	-4,959	41	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,478	-1,499	-21	
1.2%	-1,775	-1,761	14	
2.5%	-2,421	-3,278	-857	
3.7%	-3,257	-3,445	-189	
4.9%	-3,424	-3,778	-354	
6.2%	-4,398	-5,608	-1,210	
7.4%	-5,587	-6,001	-414	
8.6%	-5,781	-6,092	-311	
9.9%	-6,148	-6,275	-127	
11.1%	-6,329	-7,599	-1,270	
12.3%	-7,599	-7,643	-44	
13.6%	-7,698	-7,774	-76	
14.8%	-7,722	-7,835	-113	
16.0%	-7,774	-7,875	-101	
17.3%	-7,814	-7,959	-145	
18.5%	-7,940	-8,167	-227	
19.8%	-8,167	-8,186	-19	
21.0%	-8,608	-8,649	-41	
22.2%	-8,721	-8,719	2	
23.5%	-8,847	-8,848	0	
24.7%	-9,024	-9,092	-68	
25.9%	-9,092	-9,122	-30	
27.2%	-9,152	-9,152	0	
28.4%	-9,164	-9,230	-66	
29.6%	-9,230	-9,285	-55	
30.9%	-9,373	-9,630	-257	
32.1%	-9,549	-9,689	-140	
33.3%	-9,682	-9,866	-184	
34.6%	-9,688	-9,868	-181	
35.8%	-9,709	-10,018	-309	
37.0%	-9,771	-10,075	-304	
38.3%	-9,779	-10,091	-312	
39.5%	-9,872	-10,113	-242	
40.7%	-10,055	-10,116	-61	
42.0%	-10,095	-10,136	-42	
43.2%	-10,101	-10,245	-145	
44.4%	-10,116	-10,248	-132	
45.7%	-10,135	-10,287	-152	
46.9%	-10,248	-10,335	-87	
48.1%	-10,251	-10,339	-88	
49.4%	-10,420	-10,381	39	
50.6%	-10,473	-10,441	32	
51.9%	-10,585	-10,523	62	
53.1%	-10,596	-10,573	23	
54.3%	-10,617	-10,595	22	
55.6%	-10,643	-10,661	-18	
56.8%	-10,671	-10,720	-50	
58.0%	-10,733	-10,786	-53	
59.3%	-10,740	-10,802	-62	
60.5%	-10,775	-10,839	-65	
61.7%	-10,812	-10,885	-73	
63.0%	-10,885	-10,925	-41	
64.2%	-10,929	-10,983	-54	
65.4%	-10,969	-11,039	-71	
66.7%	-10,983	-11,044	-61	
67.9%	-11,030	-11,063	-32	
69.1%	-11,037	-11,094	-57	
70.4%	-11,043	-11,103	-60	
71.6%	-11,063	-11,174	-111	
72.8%	-11,081	-11,184	-103	
74.1%	-11,102	-11,187	-84	
75.3%	-11,175	-11,188	-13	
76.5%	-11,198	-11,205	-8	
77.8%	-11,201	-11,219	-18	
79.0%	-11,217	-11,223	-7	
80.2%	-11,218	-11,270	-52	
81.5%	-11,218	-11,329	-111	
82.7%	-11,222	-11,342	-120	
84.0%	-11,264	-11,401	-137	
85.2%	-11,271	-11,418	-147	
86.4%	-11,329	-11,422	-93	
87.7%	-11,352	-11,453	-100	
88.9%	-11,366	-11,454	-87	
90.1%	-11,400	-11,486	-86	
91.4%	-11,417	-11,487	-69	
92.6%	-11,486	-11,490	-4	
93.8%	-11,487	-11,499	-12	
95.1%	-11,536	-11,509	27	
96.3%	-11,570	-11,605	-35	
97.5%	-11,603	-11,617	-14	
98.8%	-11,637	-11,647	-10	
100.0%	-11,709	-11,700	10	

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,197	-2,251	-1,054	
1.2%	-1,220	-2,340	-1,120	
2.5%	-1,306	-2,909	-1,603	
3.7%	-1,376	-3,632	-2,256	
4.9%	-1,671	-5,490	-3,819	
6.2%	-2,153	-5,511	-3,358	
7.4%	-2,561	-6,052	-3,491	
8.6%	-3,181	-6,826	-3,645	
9.9%	-3,873	-6,940	-3,067	
11.1%	-4,043	-7,135	-3,093	
12.3%	-4,481	-7,290	-2,810	
13.6%	-5,592	-7,402	-1,810	
14.8%	-6,334	-7,409	-1,074	
16.0%	-7,005	-7,725	-719	
17.3%	-7,136	-7,738	-603	
18.5%	-7,290	-7,825	-535	
19.8%	-7,403	-7,964	-561	
21.0%	-7,795	-8,392	-597	
22.2%	-8,517	-8,408	109	
23.5%	-8,561	-8,818	-257	
24.7%	-8,634	-9,271	-637	
25.9%	-9,141	-9,292	-151	
27.2%	-9,292	-9,350	-57	
28.4%	-9,658	-9,616	42	
29.6%	-9,757	-9,757	0	
30.9%	-9,807	-9,806	0	
32.1%	-9,841	-9,874	-32	
33.3%	-9,874	-9,976	-102	
34.6%	-9,941	-10,089	-147	
35.8%	-9,976	-10,171	-195	
37.0%	-10,071	-10,280	-209	
38.3%	-10,171	-10,303	-132	
39.5%	-10,220	-10,453	-233	
40.7%	-10,281	-10,490	-209	
42.0%	-10,451	-10,492	-41	
43.2%	-10,453	-10,541	-88	
44.4%	-10,492	-10,558	-67	
45.7%	-10,540	-10,562	-21	
46.9%	-10,558	-10,576	-18	
48.1%	-10,562	-10,633	-71	
49.4%	-10,576	-10,655	-79	
50.6%	-10,580	-10,680	-101	
51.9%	-10,633	-10,696	-63	
53.1%	-10,635	-10,699	-64	
54.3%	-10,642	-10,709	-67	
55.6%	-10,679	-10,723	-44	
56.8%	-10,696	-10,752	-56	
58.0%	-10,699	-10,758	-59	
59.3%	-10,709	-10,770	-61	
60.5%	-10,752	-10,776	-24	
61.7%	-10,761	-10,783	-22	
63.0%	-10,777	-10,805	-28	
64.2%	-10,795	-10,841	-46	
65.4%	-10,822	-10,869	-47	
66.7%	-10,828	-10,929	-101	
67.9%	-10,841	-10,943	-102	
69.1%	-10,851	-10,945	-94	
70.4%	-10,857	-10,975	-118	
71.6%	-10,870	-10,987	-117	
72.8%	-10,903	-11,006	-103	
74.1%	-10,926	-11,022	-96	
75.3%	-10,947	-11,041	-94	
76.5%	-10,986	-11,072	-85	
77.8%	-11,015	-11,092	-77	
79.0%	-11,058	-11,098	-40	
80.2%	-11,059	-11,108	-49	
81.5%	-11,071	-11,125	-54	
82.7%	-11,073	-11,129	-57	
84.0%	-11,090	-11,130	-40	
85.2%	-11,092	-11,134	-41	
86.4%	-11,105	-11,149	-44	
87.7%	-11,129	-11,155	-26	
88.9%	-11,131	-11,160	-29	
90.1%	-11,135	-11,160	-26	
91.4%	-11,160	-11,183	-23	
92.6%	-11,173	-11,187	-15	
93.8%	-11,217	-11,198	19	
95.1%	-11,227	-11,223	5	
96.3%	-11,242	-11,242	0	
97.5%	-11,258	-11,258	1	
98.8%	-11,277	-11,278	-1	
100.0%	-11,299	-11,299	0	

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative C Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,142	-3,687	-544	
1.2%	-3,217	-3,854	-637	
2.5%	-3,443	-3,867	-424	
3.7%	-3,725	-4,095	-370	
4.9%	-3,888	-4,128	-240	
6.2%	-3,943	-4,260	-318	
7.4%	-4,003	-4,267	-264	
8.6%	-4,096	-4,302	-207	
9.9%	-4,128	-4,415	-287	
11.1%	-4,137	-4,649	-513	
12.3%	-4,220	-4,884	-664	
13.6%	-4,381	-6,816	-2,435	
14.8%	-4,417	-7,547	-3,130	
16.0%	-4,441	-7,844	-3,404	
17.3%	-4,522	-7,944	-3,422	
18.5%	-5,511	-7,973	-2,462	
19.8%	-5,534	-8,095	-2,562	
21.0%	-5,640	-8,210	-2,570	
22.2%	-6,091	-8,245	-2,154	
23.5%	-6,250	-8,303	-2,052	
24.7%	-6,685	-8,323	-1,638	
25.9%	-6,745	-8,323	-1,578	
27.2%	-6,915	-8,323	-1,409	
28.4%	-6,968	-8,337	-1,368	
29.6%	-6,996	-8,350	-1,355	
30.9%	-7,151	-8,434	-1,283	
32.1%	-7,188	-8,443	-1,255	
33.3%	-7,314	-8,474	-1,160	
34.6%	-7,547	-8,479	-932	
35.8%	-7,636	-8,521	-885	
37.0%	-7,797	-8,563	-765	
38.3%	-7,844	-8,574	-729	
39.5%	-7,922	-8,635	-712	
40.7%	-7,961	-8,656	-695	
42.0%	-7,979	-8,713	-734	
43.2%	-8,059	-8,717	-658	
44.4%	-8,075	-8,756	-681	
45.7%	-8,098	-8,772	-674	
46.9%	-8,165	-8,788	-623	
48.1%	-8,210	-8,796	-586	
49.4%	-8,244	-8,887	-643	
50.6%	-8,254	-8,934	-680	
51.9%	-8,287	-8,964	-677	
53.1%	-8,313	-8,977	-664	
54.3%	-8,377	-8,990	-613	
55.6%	-8,396	-9,003	-607	
56.8%	-8,506	-9,015	-508	
58.0%	-8,555	-9,077	-522	
59.3%	-8,562	-9,232	-670	
60.5%	-8,604	-9,308	-704	
61.7%	-8,710	-9,366	-656	
63.0%	-8,739	-9,480	-741	
64.2%	-8,877	-9,565	-688	
65.4%	-8,884	-9,584	-700	
66.7%	-8,969	-9,624	-655	
67.9%	-8,994	-9,626	-632	
69.1%	-9,008	-9,626	-618	
70.4%	-9,015	-9,651	-636	
71.6%	-9,205	-9,836	-631	
72.8%	-9,402	-9,847	-446	
74.1%	-9,496	-9,892	-397	
75.3%	-9,496	-9,901	-404	
76.5%	-9,554	-9,906	-352	
77.8%	-9,584	-9,910	-326	
79.0%	-9,704	-9,924	-220	
80.2%	-9,775	-9,935	-160	
81.5%	-9,831	-9,973	-142	
82.7%	-9,836	-9,986	-150	
84.0%	-9,906	-9,987	-81	
85.2%	-9,910	-10,022	-112	
86.4%	-9,926	-10,027	-101	
87.7%	-9,931	-10,053	-122	
88.9%	-9,986	-10,064	-78	
90.1%	-10,022	-10,065	-44	
91.4%	-10,066	-10,098	-32	
92.6%	-10,095	-10,119	-24	
93.8%	-10,097	-10,123	-25	
95.1%	-10,122	-10,142	-19	
96.3%	-10,204	-10,221	-17	
97.5%	-10,221	-10,245	-25	
98.8%	-10,351	-10,396	-45	
100.0%	-10,396	-10,468	-72	

Table SW-36-7a

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,735	6,772	9,003	6,607	7,090	6,641	2,103	2,223	4,939	10,439	9,862	8,678
Alternative C	7,417	7,865	9,009	6,811	7,167	6,555	2,111	2,232	4,902	10,571	10,389	9,526
Difference	683	1,093	6	204	77	-86	8	10	-37	132	527	848
Percent Difference[3]	10.1%	16.1%	0.1%	3.1%	1.1%	-1.3%	0.4%	0.4%	-0.8%	1.3%	5.3%	9.8%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,183	6,578	10,254	7,946	9,341	9,359	2,920	3,449	7,640	11,445	11,719	9,931
Alternative C	8,686	8,052	10,405	7,977	9,213	9,256	2,913	3,445	7,633	11,441	11,629	10,932
Difference	1,503	1,474	150	32	-128	-103	-7	-4	-8	-4	-90	1,001
Percent Difference	20.9%	22.4%	1.5%	0.4%	-1.4%	-1.1%	-0.2%	-0.1%	-0.1%	0.0%	-0.8%	10.1%
Above Normal (15%)												
No Action Alternative	7,375	6,792	9,859	6,599	6,900	7,872	1,809	1,674	6,108	10,671	11,642	9,471
Alternative C	8,133	8,621	9,591	6,526	7,150	7,746	1,804	1,668	5,997	10,906	11,526	10,394
Difference	758	1,830	-268	-73	250	-126	-5	-6	-111	235	-116	923
Percent Difference	10.3%	26.9%	-2.7%	-1.1%	3.6%	-1.6%	-0.3%	-0.3%	-1.8%	2.2%	-1.0%	9.7%
Below Normal (17%)												
No Action Alternative	7,868	9,015	8,928	6,246	6,778	6,701	1,733	1,669	4,085	11,150	10,734	9,450
Alternative C	8,501	9,444	9,133	6,246	6,740	6,715	1,731	1,667	4,054	11,180	10,632	9,978
Difference	633	428	204	0	-38	14	-2	-2	-31	30	-102	528
Percent Difference	8.0%	4.7%	2.3%	0.0%	-0.6%	0.2%	-0.1%	-0.1%	-0.8%	0.3%	-1.0%	5.6%
Dry (22%)												
No Action Alternative	6,323	7,163	7,795	6,153	5,885	4,268	1,746	1,731	3,014	10,801	9,449	8,152
Alternative C	6,265	7,988	8,012	6,448	5,926	4,144	1,739	1,691	2,987	10,987	10,691	9,256
Difference	-59	824	218	295	42	-124	-7	-40	-26	186	1,241	1,105
Percent Difference	-0.9%	11.5%	2.8%	4.8%	0.7%	-2.9%	-0.4%	-2.3%	-0.9%	1.7%	13.1%	13.6%
Critical (15%)												
No Action Alternative	4,418	3,971	7,334	4,817	4,576	3,009	1,593	1,498	1,800	6,656	3,661	5,058
Alternative C	4,419	4,677	6,753	5,771	5,111	2,942	1,681	1,640	1,748	7,019	5,826	5,487
Difference	1	706	-582	954	535	-66	88	142	-52	362	2,165	430
Percent Difference	0.0%	17.8%	-7.9%	19.8%	11.7%	-2.2%	5.5%	9.5%	-2.9%	5.4%	59.2%	8.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-36-7b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

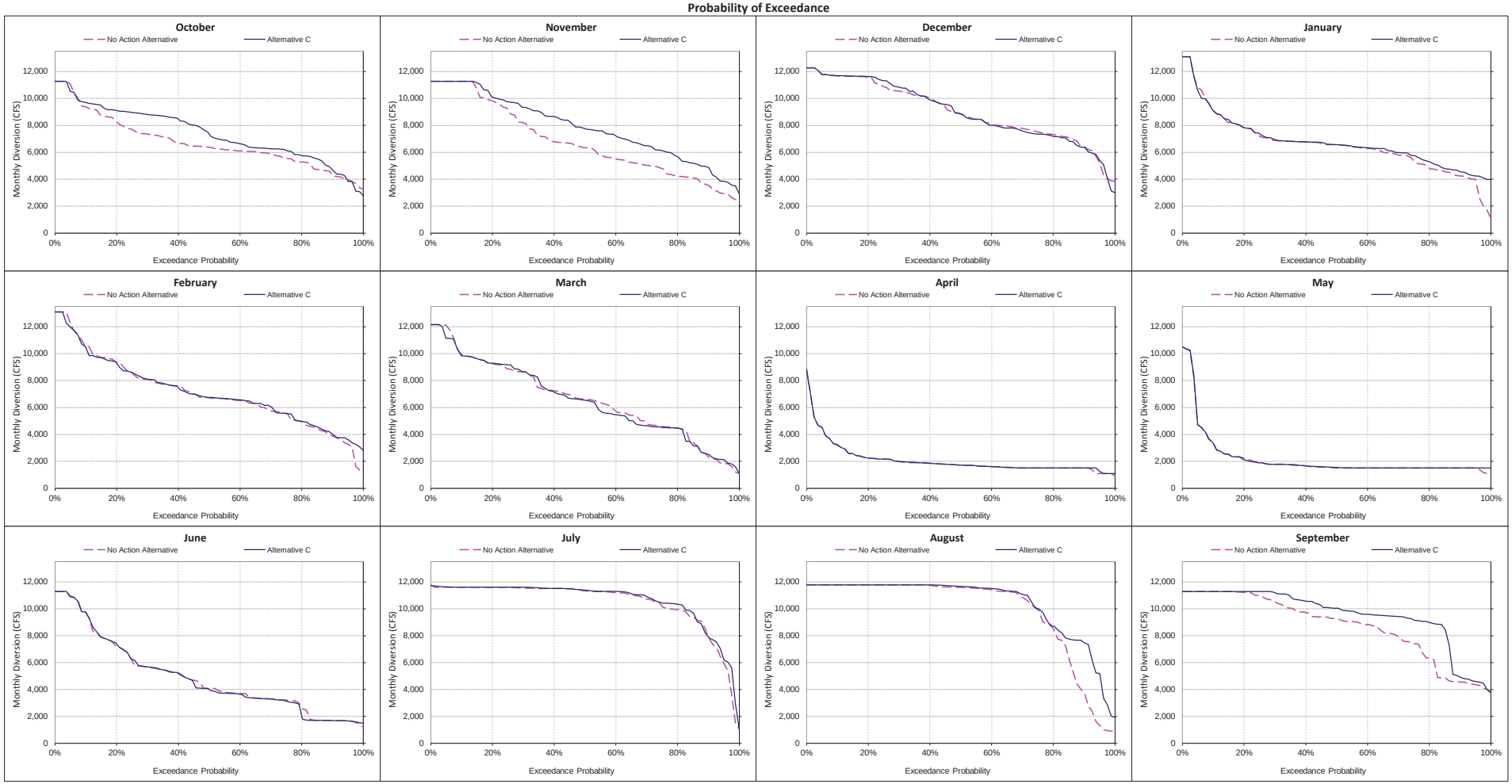

Table SW-36-7b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,073	10,532	-541	-4.9%
6.2%	10,423	10,442	19	0.2%
7.4%	10,001	9,886	-115	-1.1%
8.6%	9,442	9,768	326	3.5%
9.9%	9,380	9,709	329	3.5%
11.1%	9,246	9,623	376	4.1%
12.3%	9,225	9,593	368	4.0%
13.6%	9,120	9,559	440	4.8%
14.8%	8,737	9,494	758	8.7%
16.0%	8,668	9,263	595	6.9%
17.3%	8,630	9,165	535	6.2%
18.5%	8,586	9,158	572	6.7%
19.8%	8,311	9,120	809	9.7%
21.0%	8,063	9,056	993	12.3%
22.2%	7,938	9,046	1,108	14.0%
23.5%	7,785	9,010	1,225	15.7%
24.7%	7,729	8,979	1,250	16.2%
25.9%	7,578	8,931	1,353	17.9%
27.2%	7,424	8,908	1,484	20.0%
28.4%	7,389	8,866	1,477	20.0%
29.6%	7,375	8,821	1,446	19.6%
30.9%	7,319	8,776	1,457	19.9%
32.1%	7,270	8,769	1,500	20.6%
33.3%	7,259	8,737	1,478	20.4%
34.6%	7,157	8,708	1,551	21.7%
35.8%	7,077	8,672	1,595	22.5%
37.0%	7,062	8,621	1,559	22.1%
38.3%	6,850	8,583	1,733	25.3%
39.5%	6,715	8,556	1,840	27.4%
40.7%	6,667	8,333	1,666	25.0%
42.0%	6,641	8,287	1,646	24.8%
43.2%	6,506	8,112	1,606	24.7%
44.4%	6,471	8,026	1,555	24.0%
45.7%	6,455	7,999	1,543	23.9%
46.9%	6,446	7,882	1,436	22.3%
48.1%	6,424	7,676	1,252	19.5%
49.4%	6,393	7,526	1,133	17.7%
50.6%	6,375	7,166	791	12.4%
51.9%	6,266	7,042	776	12.4%
53.1%	6,259	6,976	718	11.5%
54.3%	6,227	6,918	691	11.1%
55.6%	6,179	6,891	712	11.5%
56.8%	6,165	6,742	577	9.4%
58.0%	6,146	6,734	588	9.6%
59.3%	6,099	6,677	577	9.5%
60.5%	6,098	6,621	523	8.6%
61.7%	6,080	6,513	433	7.1%
63.0%	6,074	6,369	295	4.9%
64.2%	6,069	6,352	283	4.7%
65.4%	6,023	6,342	318	5.3%
66.7%	5,966	6,322	356	6.0%
67.9%	5,948	6,310	361	6.1%
69.1%	5,929	6,283	353	6.0%
70.4%	5,878	6,263	385	6.5%
71.6%	5,740	6,262	522	9.1%
72.8%	5,714	6,235	522	9.1%
74.1%	5,604	6,224	620	11.1%
75.3%	5,533	6,098	565	10.2%
76.5%	5,504	6,071	567	10.3%
77.8%	5,310	5,829	519	9.8%
79.0%	5,280	5,825	545	10.3%
80.2%	5,271	5,730	459	8.7%
81.5%	5,260	5,729	469	8.9%
82.7%	5,148	5,702	554	10.8%
84.0%	4,753	5,573	820	17.3%
85.2%	4,737	5,499	761	16.1%
86.4%	4,691	5,364	672	14.3%
87.7%	4,634	5,059	425	9.2%
88.9%	4,619	4,940	321	7.0%
90.1%	4,240	4,653	413	9.7%
91.4%	4,197	4,382	185	4.4%
92.6%	4,163	4,369	206	5.0%
93.8%	4,021	4,285	264	6.6%
95.1%	3,955	3,829	-126	-3.2%
96.3%	3,833	3,821	-12	-0.3%
97.5%	3,665	3,106	-560	-15.3%
98.8%	3,381	3,066	-316	-9.3%
100.0%	3,240	2,745	-496	-15.3%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	10,754	11,199	445	4.1%
16.0%	10,066	11,039	972	9.7%
17.3%	10,065	10,626	561	5.6%
18.5%	9,911	10,605	693	7.0%
19.8%	9,845	10,126	281	2.9%
21.0%	9,719	10,028	309	3.2%
22.2%	9,589	9,960	371	3.9%
23.5%	9,358	9,900	543	5.8%
24.7%	9,297	9,766	468	5.0%
25.9%	8,846	9,730	884	10.0%
27.2%	8,784	9,693	909	10.3%
28.4%	8,246	9,639	1,394	16.9%
29.6%	8,216	9,349	1,133	13.8%
30.9%	8,117	9,336	1,219	15.0%
32.1%	7,740	9,218	1,478	19.1%
33.3%	7,689	9,093	1,404	18.3%
34.6%	7,262	9,086	1,825	25.1%
35.8%	7,188	8,948	1,760	24.5%
37.0%	7,155	8,714	1,559	21.8%
38.3%	6,954	8,673	1,719	24.7%
39.5%	6,811	8,668	1,857	27.3%
40.7%	6,764	8,608	1,845	27.3%
42.0%	6,723	8,462	1,739	25.9%
43.2%	6,700	8,389	1,689	25.2%
44.4%	6,694	8,385	1,690	25.3%
45.7%	6,654	8,137	1,483	22.3%
46.9%	6,501	7,877	1,376	21.2%
48.1%	6,440	7,872	1,433	22.2%
49.4%	6,347	7,812	1,465	23.1%
50.6%	6,338	7,708	1,371	21.6%
51.9%	6,325	7,681	1,356	21.4%
53.1%	6,165	7,624	1,460	23.7%
54.3%	5,831	7,605	1,774	30.4%
55.6%	5,751	7,604	1,853	32.2%
56.8%	5,638	7,395	1,757	31.2%
58.0%	5,611	7,342	1,730	30.8%
59.3%	5,589	7,326	1,737	31.1%
60.5%	5,467	7,147	1,680	30.7%
61.7%	5,452	7,043	1,591	29.2%
63.0%	5,415	6,974	1,559	28.8%
64.2%	5,279	6,890	1,611	30.5%
65.4%	5,220	6,754	1,535	29.4%
66.7%	5,187	6,711	1,524	29.4%
67.9%	5,169	6,608	1,439	27.8%
69.1%	5,057	6,511	1,454	28.8%
70.4%	5,037	6,478	1,441	28.6%
71.6%	4,983	6,416	1,432	28.7%
72.8%	4,961	6,187	1,226	24.7%
74.1%	4,868	6,164	1,296	26.6%
75.3%	4,772	6,112	1,340	28.1%
76.5%	4,399	6,013	1,614	36.7%
77.8%	4,361	5,982	1,620	37.2%
79.0%	4,284	5,792	1,507	35.2%
80.2%	4,208	5,627	1,419	33.7%
81.5%	4,194	5,338	1,144	27.3%
82.7%	4,167	5,321	1,154	27.7%
84.0%	4,144	5,218	1,075	25.9%
85.2%	4,093	5,183	1,090	26.6%
86.4%	4,033	5,105	1,072	26.6%
87.7%	3,712	4,984	1,273	34.3%
88.9%	3,630	4,953	1,324	36.5%
90.1%	3,533	4,864	1,331	37.7%
91.4%	3,251	4,319	1,068	32.9%
92.6%	3,120	4,145	1,025	32.8%
93.8%	2,970	3,872	902	30.4%
95.1%	2,925	3,848	923	31.6%
96.3%	2,879	3,770	890	30.9%
97.5%	2,633	3,569	936	35.5%
98.8%	2,479	3,512	1,033	41.7%
100.0%	2,402	2,923	521	21.7%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,092	12,092	0	0.0%
4.9%	11,781	11,781	0	0.0%
6.2%	11,770	11,770	0	0.0%
7.4%	11,699	11,746	47	0.4%
8.6%	11,697	11,699	2	0.0%
9.9%	11,669	11,697	28	0.2%
11.1%	11,667	11,692	25	0.2%
12.3%	11,666	11,691	25	0.2%
13.6%	11,646	11,667	21	0.2%
14.8%	11,643	11,666	23	0.2%
16.0%	11,641	11,646	5	0.0%
17.3%	11,634	11,643	9	0.1%
18.5%	11,622	11,641	19	0.2%
19.8%	11,579	11,634	55	0.5%
21.0%	11,574	11,622	48	0.4%
22.2%	11,136	11,574	439	3.9%
23.5%	11,055	11,407	352	3.2%
24.7%	10,898	11,322	424	3.9%
25.9%	10,815	11,315	500	4.6%
27.2%	10,595	11,087	492	4.6%
28.4%	10,586	10,887	301	2.8%
29.6%	10,548	10,856	309	2.9%
30.9%	10,522	10,781	259	2.5%
32.1%	10,416	10,761	345	3.3%
33.3%	10,395	10,539	143	1.4%
34.6%	10,270	10,532	262	2.5%
35.8%	10,194	10,296	102	1.0%
37.0%	10,192	10,186	-7	-0.1%
38.3%	10,169	10,165	-4	0.0%
39.5%	10,086	9,951	-135	-1.3%
40.7%	9,951	9,823	-128	-1.3%
42.0%	9,766	9,750	-17	-0.2%
43.2%	9,649	9,621	-28	-0.3%
44.4%	9,572	9,575	3	0.0%
45.7%	9,134	9,531	397	4.3%
46.9%	9,051	9,440	389	4.3%
48.1%	8,989	8,909	-79	-0.9%
49.4%	8,879	8,906	27	0.3%
50.6%	8,803	8,803	0	0.0%
51.9%	8,629	8,566	-64	-0.7%
53.1%	8,566	8,486	-80	-0.9%
54.3%	8,468	8,468	0	0.0%
55.6%	8,416	8,458	42	0.5%
56.8%	8,401	8,416	15	0.2%
58.0%	8,193	8,193	0	0.0%
59.3%	8,160	8,009	-151	-1.8%
60.5%	8,009	8,006	-3	0.0%
61.7%	8,006	7,952	-54	-0.7%
63.0%	7,983	7,886	-98	-1.2%
64.2%	7,952	7,809	-143	-1.8%
65.4%	7,928	7,799	-129	-1.6%
66.7%	7,886	7,799	-87	-1.1%
67.9%	7,809	7,772	-37	-0.5%
69.1%	7,799	7,659	-140	-1.8%
70.4%	7,772	7,551	-222	-2.9%
71.6%	7,690	7,455	-234	-3.0%
72.8%	7,659	7,420	-238	-3.1%
74.1%	7,551	7,373	-178	-2.4%
75.3%	7,507	7,349	-158	-2.1%
76.5%	7,420	7,349	-72	-1.0%
77.8%	7,349	7,318	-31	-0.4%
79.0%	7,349	7,251	-98	-1.3%
80.2%	7,318	7,171	-147	-2.0%
81.5%	7,248	7,163	-85	-1.2%
82.7%	7,171	7,093	-78	-1.1%
84.0%	7,166	7,063	-103	-1.4%
85.2%	7,063	6,825	-238	-3.4%
86.4%	6,975	6,794	-180	-2.6%
87.7%	6,830	6,498	-331	-4.8%
88.9%	6,433	6,397	-36	-0.6%
90.1%	6,390	6,380	-10	-0.2%
91.4%	6,202	6,022	-179	-2.9%
92.6%	6,132	5,930	-202	-3.3%
93.8%	5,683	5,850	167	2.9%
95.1%	5,197	5,385	188	3.6%
96.3%	4,271	5,076	805	18.8%
97.5%	4,055	4,072	17	0.4%
98.8%	3,879	3,120	-759	-19.6%
100.0%	3,841	3,007	-834	-21.7%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	11,657	11,629	-28	-0.2%
4.9%	10,826	10,594	-232	-2.1%
6.2%	10,620	10,009	-611	-5.8%
7.4%	10,038	9,979	-59	-0.6%
8.6%	9,614	9,587	-27	-0.3%
9.9%	9,129	9,129	0	0.0%
11.1%	8,876	8,850	-26	-0.3%
12.3%	8,807	8,780	-27	-0.3%
13.6%	8,501	8,501	0	0.0%
14.8%	8,210	8,440	230	2.8%
16.0%	8,209	8,181	-28	-0.3%
17.3%	8,125	8,125	0	0.0%
18.5%	8,020	8,020	0	0.0%
19.8%	7,868	7,841	-27	-0.3%
21.0%	7,775	7,776	0	0.0%
22.2%	7,760	7,760	0	0.0%
23.5%	7,458	7,458	0	0.0%
24.7%	7,229	7,424	194	2.7%
25.9%	7,107	7,230	122	1.7%
27.2%	7,090	7,107	17	0.2%
28.4%	6,978	7,090	111	1.6%
29.6%	6,884	6,978	94	1.4%
30.9%	6,852	6,884	32	0.5%
32.1%	6,848	6,852	5	0.1%
33.3%	6,828	6,848	19	0.3%
34.6%	6,819	6,828	9	0.1%
35.8%	6,794	6,819	25	0.4%
37.0%	6,785	6,794	9	0.1%
38.3%	6,779	6,785	6	0.1%
39.5%	6,772	6,779	6	0.1%
40.7%	6,749	6,773	23	0.3%
42.0%	6,748	6,749	1	0.0%
43.2%	6,740	6,748	7	0.1%
44.4%	6,702	6,740	38	0.6%
45.7%	6,597	6,702	106	1.6%
46.9%	6,583	6,597	14	0.2%
48.1%	6,571	6,583	12	0.2%
49.4%	6,567	6,571	3	0.1%
50.6%	6,537	6,567	30	0.5%
51.9%	6,520	6,537	17	0.3%
53.1%	6,492	6,518	26	0.4%
54.3%	6,453	6,492	39	0.6%
55.6%	6,381	6,423	42	0.7%
56.8%	6,372	6,381	9	0.1%
58.0%	6,323	6,378	54	0.9%
59.3%	6,303	6,372	69	1.1%
60.5%	6,285	6,323	38	0.6%
61.7%	6,284	6,303	19	0.3%
63.0%	6,121	6,291	170	2.8%
64.2%	6,112	6,285	173	2.8%
65.4%	5,972	6,283	311	5.2%
66.7%	5,960	6,121	160	2.7%
67.9%	5,936	6,112	175	3.0%
69.1%	5,866	6,000	134	2.3%
70.4%	5,788	5,972	185	3.2%
71.6%	5,760	5,960	201	3.5%
72.8%	5,746	5,960	214	3.7%
74.1%	5,607	5,760	153	2.7%
75.3%	5,269	5,746	477	9.1%
76.5%	5,152	5,607	455	8.8%
77.8%	5,126	5,440	314	6.1%
79.0%	5,044	5,381	337	6.7%
80.2%	4,774	5,269	494	10.4%
81.5%	4,747	5,126	380	8.0%
82.7%	4,692	5,044	351	7.5%
84.0%	4,677	4,877	200	4.3%
85.2%	4,537	4,774	238	5.2%
86.4%	4,521	4,747	225	5.0%
87.7%	4,373	4,692	319	7.3%
88.9%	4,272	4,671	399	9.3%
90.1%	4,242	4,537	295	6.9%
91.4%	4,220	4,521	302	7.2%
92.6%	4,095	4,373	277	6.8%
93.8%	4,007	4,271	264	6.6%
95.1%	3,985	4,242	257	6.4%
96.3%	2,591	4,220	1,629	62.9%
97.5%	2,015	4,095	2,080	103.2%
98.8%	1,697	3,985	2,288	134.8%
100.0%	1,100	3,979	2,879	261.7%

Table SW-36-7b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	12,255	-845	-6.4%
4.9%	12,255	11,979	-276	-2.3%
6.2%	11,719	11,719	0	0.0%
7.4%	11,436	11,404	-33	-0.3%
8.6%	11,005	10,726	-278	-2.5%
9.9%	10,538	10,513	-24	-0.2%
11.1%	10,514	9,859	-655	-6.2%
12.3%	9,888	9,851	-37	-0.4%
13.6%	9,851	9,723	-128	-1.3%
14.8%	9,723	9,700	-24	-0.2%
16.0%	9,700	9,607	-92	-1.0%
17.3%	9,609	9,489	-121	-1.3%
18.5%	9,608	9,456	-153	-1.6%
19.8%	9,357	9,412	55	0.6%
21.0%	9,355	8,968	-388	-4.1%
22.2%	9,016	8,732	-284	-3.2%
23.5%	8,709	8,709	0	0.0%
24.7%	8,639	8,639	0	0.0%
25.9%	8,371	8,477	105	1.3%
27.2%	8,139	8,340	201	2.5%
28.4%	8,101	8,218	117	1.4%
29.6%	8,093	8,101	8	0.1%
30.9%	8,065	8,093	28	0.4%
32.1%	7,865	8,065	200	2.5%
33.3%	7,819	7,865	46	0.6%
34.6%	7,740	7,830	90	1.2%
35.8%	7,708	7,740	32	0.4%
37.0%	7,662	7,667	5	0.1%
38.3%	7,624	7,624	0	0.0%
39.5%	7,609	7,594	-15	-0.2%
40.7%	7,594	7,292	-302	-4.0%
42.0%	7,292	7,201	-91	-1.2%
43.2%	7,201	7,040	-161	-2.2%
44.4%	7,040	6,994	-46	-0.7%
45.7%	6,971	6,971	0	0.0%
46.9%	6,766	6,870	104	1.5%
48.1%	6,754	6,798	44	0.6%
49.4%	6,751	6,755	3	0.0%
50.6%	6,696	6,751	55	0.8%
51.9%	6,693	6,719	27	0.4%
53.1%	6,675	6,693	18	0.3%
54.3%	6,669	6,675	6	0.1%
55.6%	6,632	6,669	37	0.6%
56.8%	6,571	6,632	62	0.9%
58.0%	6,565	6,615	50	0.8%
59.3%	6,513	6,571	57	0.9%
60.5%	6,504	6,565	61	0.9%
61.7%	6,487	6,504	17	0.3%
63.0%	6,321	6,487	165	2.6%
64.2%	6,304	6,321	18	0.3%
65.4%	6,300	6,304	3	0.1%
66.7%	6,020	6,300	281	4.7%
67.9%	5,999	6,172	173	2.9%
69.1%	5,808	6,162	354	6.1%
70.4%	5,723	5,999	276	4.8%
71.6%	5,712	5,617	-94	-1.6%
72.8%	5,649	5,579	-71	-1.3%
74.1%	5,579	5,576	-3	-0.1%
75.3%	5,555	5,547	-8	-0.1%
76.5%	5,074	5,522	448	8.8%
77.8%	5,052	5,074	22	0.4%
79.0%	4,998	4,998	0	0.0%
80.2%	4,963	4,963	0	0.0%
81.5%	4,663	4,919	256	5.5%
82.7%	4,591	4,730	139	3.0%
84.0%	4,540	4,662	122	2.7%
85.2%	4,394	4,540	146	3.3%
86.4%	4,272	4,394	122	2.9%
87.7%	4,203	4,272	68	1.6%
88.9%	3,994	4,203	209	5.2%
90.1%	3,871	3,994	124	3.2%
91.4%	3,744	3,764	19	0.5%
92.6%	3,609	3,749	140	3.9%
93.8%	3,381	3,744	363	10.7%
95.1%	3,261	3,609	347	10.6%
96.3%	3,071	3,381	310	10.1%
97.5%	1,607	3,261	1,654	103.0%
98.8%	1,353	3,071	1,718	127.0%
100.0%	1,277	2,806	1,529	119.8%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,044	-117	-1.0%
4.9%	12,125	11,144	-981	-8.1%
6.2%	11,753	11,141	-612	-5.2%
7.4%	11,169	11,075	-93	-0.8%
8.6%	10,325	10,346	21	0.2%
9.9%	9,967	9,848	-119	-1.2%
11.1%	9,812	9,811	-1	0.0%
12.3%	9,806	9,806	0	0.0%
13.6%	9,749	9,749	0	0.0%
14.8%	9,633	9,634	0	0.0%
16.0%	9,548	9,548	0	0.0%
17.3%	9,499	9,499	0	0.0%
18.5%	9,317	9,313	-4	0.0%
19.8%	9,298	9,298	0	0.0%
21.0%	9,188	9,276	89	1.0%
22.2%	9,183	9,236	53	0.6%
23.5%	9,153	9,191	38	0.4%
24.7%	8,880	9,183	303	3.4%
25.9%	8,832	9,153	321	3.6%
27.2%	8,711	8,880	169	1.9%
28.4%	8,661	8,831	170	2.0%
29.6%	8,650	8,661	11	0.1%
30.9%	8,645	8,632	-13	-0.2%
32.1%	8,399	8,399	0	0.0%
33.3%	8,276	8,385	110	1.3%
34.6%	7,501	8,254	752	10.0%
35.8%	7,420	7,590	171	2.3%
37.0%	7,288	7,420	132	1.8%
38.3%	7,266	7,266	-1	0.0%
39.5%	7,266	7,204	-62	-0.8%
40.7%	7,214	7,045	-168	-2.3%
42.0%	7,204	6,968	-236	-3.3%
43.2%	7,045	6,930	-115	-1.6%
44.4%	6,968	6,711	-257	-3.7%
45.7%	6,930	6,650	-280	-4.0%
46.9%	6,711	6,634	-77	-1.1%
48.1%	6,650	6,592	-58	-0.9%
49.4%	6,634	6,580	-54	-0.8%
50.6%	6,592	6,507	-85	-1.3%
51.9%	6,580	6,459	-120	-1.8%
53.1%	6,507	6,377	-130	-2.0%
54.3%	6,457	5,856	-601	-9.3%
55.6%	6,311	5,642	-669	-10.6%
56.8%	6,244	5,573	-671	-10.7%
58.0%	6,127	5,567	-559	-9.1%
59.3%	5,856	5,477	-379	-6.5%
60.5%	5,630	5,451	-179	-3.2%
61.7%	5,617	5,411	-206	-3.7%
63.0%	5,588	5,379	-209	-3.7%
64.2%	5,451	5,025	-426	-7.8%
65.4%	5,411	5,005	-405	-7.5%
66.7%	5,379	4,745	-634	-11.8%
67.9%	5,025	4,685	-340	-6.8%
69.1%	5,005	4,665	-341	-6.8%
70.4%	4,745	4,628	-117	-2.5%
71.6%	4,685	4,576	-109	-2.3%
72.8%	4,664	4,563	-101	-2.2%
74.1%	4,628	4,559	-69	-1.5%
75.3%	4,576	4,501	-75	-1.6%
76.5%	4,563	4,496	-67	-1.5%
77.8%	4,549	4,482	-68	-1.5%
79.0%	4,482	4,480	-2	0.0%
80.2%	4,470	4,470	0	0.0%
81.5%	4,390	4,390	0	0.0%
82.7%	4,315	3,484	-831	-19.3%
84.0%	3,481	3,481	0	0.0%
85.2%	3,373	3,152	-221	-6.6%
86.4%	3,152	3,120	-32	-1.0%
87.7%	2,679	2,679	0	0.0%
88.9%	2,595	2,595	0	0.0%
90.1%	2,305	2,511	206	8.9%
91.4%	2,168	2,279	110	5.1%
92.6%	2,158	2,168	10	0.5%
93.8%	1,871	2,158	286	15.3%
95.1%	1,864	2,134	270	14.5%
96.3%	1,806	1,864	59	3.2%
97.5%	1,618	1,806	187	11.6%
98.8%	1,202	1,597	395	32.9%
100.0%	1,100	1,100	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,851	8,851	0	0.0%
1.2%	7,097	7,097	0	0.0%
2.5%	5,310	5,292	-18	-0.3%
3.7%	4,693	4,675	-18	-0.4%
4.9%	4,538	4,520	-18	-0.4%
6.2%	3,903	3,885	-18	-0.5%
7.4%	3,704	3,686	-18	-0.5%
8.6%	3,331	3,313	-18	-0.6%
9.9%	3,250	3,231	-19	-0.6%
11.1%	3,055	3,037	-18	-0.6%
12.3%	2,941	2,922	-18	-0.6%
13.6%	2,594	2,586	-8	-0.3%
14.8%	2,586	2,584	-2	-0.1%
16.0%	2,436	2,424	-12	-0.5%
17.3%	2,390	2,390	1	0.0%
18.5%	2,314	2,295	-19	-0.8%
19.8%	2,239	2,239	0	0.0%
21.0%	2,221	2,221	0	0.0%
22.2%	2,197	2,197	0	0.0%
23.5%	2,177	2,177	0	0.0%
24.7%	2,169	2,169	0	0.0%
25.9%	2,166	2,166	0	0.0%
27.2%	2,151	2,151	0	0.0%
28.4%	2,021	2,021	0	0.0%
29.6%	2,007	1,989	-17	-0.9%
30.9%	1,948	1,980	33	1.7%
32.1%	1,940	1,964	24	1.3%
33.3%	1,902	1,947	45	2.4%
34.6%	1,899	1,940	41	2.1%
35.8%	1,899	1,899	0	0.0%
37.0%	1,898	1,893	-5	-0.2%
38.3%	1,893	1,879	-14	-0.7%
39.5%	1,862	1,844	-18	-0.9%
40.7%	1,837	1,837	0	0.0%
42.0%	1,832	1,832	0	0.0%
43.2%	1,808	1,808	-1	0.0%
44.4%	1,787	1,786	0	0.0%
45.7%	1,786	1,786	0	0.0%
46.9%	1,761	1,761	0	0.0%
48.1%	1,756	1,756	0	0.0%
49.4%	1,712	1,711	0	0.0%
50.6%	1,710	1,710	0	0.0%
51.9%	1,705	1,705	0	0.0%
53.1%	1,704	1,704	0	0.0%
54.3%	1,695	1,695	0	0.0%
55.6%	1,661	1,637	-24	-1.4%
56.8%	1,637	1,634	-4	-0.2%
58.0%	1,634	1,633	0	0.0%
59.3%	1,633	1,604	-28	-1.7%
60.5%	1,604	1,598	-6	-0.4%
61.7%	1,591	1,577	-14	-0.9%
63.0%	1,577	1,566	-11	-0.7%
64.2%	1,566	1,565	-1	-0.1%
65.4%	1,564	1,540	-24	-1.6%
66.7%	1,534	1,532	-2	-0.1%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,350	1,500	150	11.1%
93.8%	1,100	1,500	400	36.4%
95.1%	1,100	1,247	147	13.3%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	1,100	200	22.2%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,518	10,505	-13	-0.1%
1.2%	10,361	10,348	-13	-0.1%
2.5%	10,195	10,264	68	0.7%
3.7%	8,289	8,348	59	0.7%
4.9%	4,745	4,719	-26	-0.6%
6.2%	4,529	4,503	-26	-0.6%
7.4%	4,203	4,177	-26	-0.6%
8.6%	3,650	3,624	-26	-0.7%
9.9%	3,421	3,395	-26	-0.8%
11.1%	2,847	2,821	-26	-0.9%
12.3%	2,777	2,751	-26	-1.0%
13.6%	2,565	2,550	-15	-0.6%
14.8%	2,549	2,538	-11	-0.4%
16.0%	2,352	2,352	0	0.0%
17.3%	2,337	2,337	1	0.0%
18.5%	2,326	2,327	1	0.0%
19.8%	2,266	2,129	-136	-6.0%
21.0%	2,128	2,063	-66	-3.1%
22.2%	2,089	1,980	-109	-5.2%
23.5%	1,981	1,942	-39	-2.0%
24.7%	1,967	1,887	-80	-4.1%
25.9%	1,886	1,885	-1	-0.1%
27.2%	1,810	1,805	-4	-0.2%
28.4%	1,791	1,782	-10	-0.5%
29.6%	1,784	1,780	-4	-0.2%
30.9%	1,782	1,770	-11	-0.6%
32.1%	1,781	1,770	-11	-0.6%
33.3%	1,771	1,767	-3	-0.2%
34.6%	1,769	1,760	-10	-0.6%
35.8%	1,767	1,716	-51	-2.9%
37.0%	1,759	1,696	-63	-3.6%
38.3%	1,711	1,688	-23	-1.3%
39.5%	1,669	1,669	0	0.0%
40.7%	1,630	1,637	7	0.4%
42.0%	1,609	1,630	21	1.3%
43.2%	1,593	1,621	28	1.8%
44.4%	1,570	1,595	25	1.6%
45.7%	1,564	1,593	29	1.9%
46.9%	1,554	1,569	15	1.0%
48.1%	1,552	1,564	12	0.8%
49.4%	1,514	1,556	42	2.8%
50.6%	1,511	1,549	38	2.5%
51.9%	1,510	1,537	27	1.8%
53.1%	1,503	1,514	12	0.8%
54.3%	1,500	1,511	11	0.7%
55.6%	1,500	1,511	11	0.7%
56.8%	1,500	1,503	3	0.2%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,399	1,500	101	7.2%
97.5%	1,160	1,500	340	29.3%
98.8%	1,100	1,500	400	36.4%
100.0%	1,100	1,500	400	36.4%

Table SW-36-7b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	10,957	10,894	-63	-0.6%
6.2%	10,857	10,855	-1	0.0%
7.4%	10,633	10,571	-62	-0.6%
8.6%	9,834	9,780	-55	-0.6%
9.9%	9,749	9,772	24	0.2%
11.1%	9,308	9,281	-27	-0.3%
12.3%	8,293	8,626	333	4.0%
13.6%	8,268	8,268	0	0.0%
14.8%	7,906	7,905	0	0.0%
16.0%	7,802	7,802	0	0.0%
17.3%	7,693	7,694	1	0.0%
18.5%	7,565	7,564	-1	0.0%
19.8%	7,205	7,459	255	3.5%
21.0%	7,121	7,125	4	0.1%
22.2%	6,952	6,951	0	0.0%
23.5%	6,756	6,755	0	0.0%
24.7%	6,271	6,273	2	0.0%
25.9%	5,753	6,157	404	7.0%
27.2%	5,745	5,753	8	0.1%
28.4%	5,707	5,745	38	0.7%
29.6%	5,686	5,686	0	0.0%
30.9%	5,627	5,663	36	0.6%
32.1%	5,577	5,627	49	0.9%
33.3%	5,534	5,577	44	0.8%
34.6%	5,468	5,468	0	0.0%
35.8%	5,442	5,441	-1	0.0%
37.0%	5,350	5,307	-43	-0.8%
38.3%	5,308	5,275	-33	-0.6%
39.5%	5,276	5,261	-14	-0.3%
40.7%	5,046	5,147	101	2.0%
42.0%	4,927	4,927	0	0.0%
43.2%	4,799	4,798	-1	0.0%
44.4%	4,696	4,697	0	0.0%
45.7%	4,662	4,109	-552	-11.8%
46.9%	4,534	4,094	-440	-9.7%
48.1%	4,110	4,081	-28	-0.7%
49.4%	4,081	4,077	-4	-0.1%
50.6%	4,078	3,906	-172	-4.2%
51.9%	4,069	3,855	-213	-5.2%
53.1%	3,905	3,744	-161	-4.1%
54.3%	3,856	3,727	-129	-3.4%
55.6%	3,770	3,716	-53	-1.4%
56.8%	3,744	3,700	-45	-1.2%
58.0%	3,716	3,699	-17	-0.5%
59.3%	3,701	3,673	-27	-0.7%
60.5%	3,698	3,632	-66	-1.8%
61.7%	3,673	3,446	-228	-6.2%
63.0%	3,446	3,382	-64	-1.9%
64.2%	3,381	3,355	-26	-0.8%
65.4%	3,354	3,335	-19	-0.6%
66.7%	3,335	3,331	-4	-0.1%
67.9%	3,331	3,306	-25	-0.7%
69.1%	3,307	3,301	-6	-0.2%
70.4%	3,302	3,280	-22	-0.7%
71.6%	3,280	3,221	-60	-1.8%
72.8%	3,221	3,216	-4	-0.1%
74.1%	3,217	3,189	-28	-0.9%
75.3%	3,198	3,091	-107	-3.3%
76.5%	3,189	3,041	-148	-4.6%
77.8%	3,124	3,012	-113	-3.6%
79.0%	3,011	2,921	-90	-3.0%
80.2%	2,546	1,769	-777	-30.5%
81.5%	2,467	1,713	-754	-30.6%
82.7%	1,771	1,692	-79	-4.5%
84.0%	1,715	1,692	-23	-1.3%
85.2%	1,692	1,692	0	0.0%
86.4%	1,692	1,692	0	0.0%
87.7%	1,692	1,692	0	0.0%
88.9%	1,692	1,692	0	0.0%
90.1%	1,692	1,680	-12	-0.7%
91.4%	1,680	1,680	0	0.0%
92.6%	1,680	1,680	0	0.0%
93.8%	1,680	1,680	0	0.0%
95.1%	1,651	1,651	0	0.0%
96.3%	1,644	1,650	6	0.4%
97.5%	1,533	1,592	59	3.8%
98.8%	1,480	1,533	54	3.6%
100.0%	1,158	1,480	321	27.7%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,712	-68	-0.6%
1.2%	11,605	11,692	87	0.7%
2.5%	11,605	11,665	61	0.5%
3.7%	11,605	11,651	46	0.4%
4.9%	11,605	11,630	25	0.2%
6.2%	11,605	11,626	21	0.2%
7.4%	11,605	11,605	0	0.0%
8.6%	11,605	11,605	0	0.0%
9.9%	11,605	11,605	0	0.0%
11.1%	11,605	11,605	0	0.0%
12.3%	11,605	11,605	0	0.0%
13.6%	11,605	11,605	0	0.0%
14.8%	11,605	11,605	0	0.0%
16.0%	11,605	11,605	0	0.0%
17.3%	11,605	11,605	0	0.0%
18.5%	11,605	11,605	0	0.0%
19.8%	11,605	11,605	0	0.0%
21.0%	11,605	11,605	0	0.0%
22.2%	11,605	11,605	0	0.0%
23.5%	11,605	11,605	0	0.0%
24.7%	11,602	11,605	3	0.0%
25.9%	11,577	11,605	28	0.2%
27.2%	11,574	11,605	31	0.3%
28.4%	11,570	11,605	35	0.3%
29.6%	11,529	11,605	76	0.7%
30.9%	11,529	11,605	76	0.7%
32.1%	11,529	11,605	76	0.7%
33.3%	11,527	11,577	50	0.4%
34.6%	11,516	11,570	53	0.5%
35.8%	11,515	11,529	14	0.1%
37.0%	11,515	11,529	14	0.1%
38.3%	11,514	11,515	1	0.0%
39.5%	11,510	11,515	5	0.0%
40.7%	11,510	11,515	5	0.0%
42.0%	11,509	11,507	-1	0.0%
43.2%	11,497	11,506	9	0.1%
44.4%	11,495	11,499	5	0.0%
45.7%	11,464	11,484	20	0.2%
46.9%	11,443	11,443	0	0.0%
48.1%	11,401	11,441	40	0.4%
49.4%	11,345	11,404	59	0.5%
50.6%	11,313	11,388	75	0.7%
51.9%	11,305	11,344	39	0.3%
53.1%	11,280	11,322	42	0.4%
54.3%	11,280	11,311	31	0.3%
55.6%	11,280	11,305	25	0.2%
56.8%	11,259	11,303	44	0.4%
58.0%	11,235	11,281	46	0.4%
59.3%	11,214	11,280	66	0.6%
60.5%	11,188	11,280	92	0.8%
61.7%	11,180	11,280	100	0.9%
63.0%	11,169	11,259	90	0.8%
64.2%	11,061	11,215	154	1.4%
65.4%	11,010	11,078	68	0.6%
66.7%	10,970	11,039	69	0.6%
67.9%	10,913	11,031	117	1.1%
69.1%	10,727	11,016	289	2.7%
70.4%	10,711	10,852	141	1.3%
71.6%	10,667	10,757	91	0.8%
72.8%	10,469	10,579	110	1.1%
74.1%	10,452	10,489	36	0.3%
75.3%	10,095	10,412	318	3.1%
76.5%	10,063	10,410	347	3.4%
77.8%	9,974	10,401	427	4.3%
79.0%	9,951	10,373	422	4.2%
80.2%	9,935	10,323	388	3.9%
81.5%	9,924	10,280	357	3.6%
82.7%	9,748	9,893	145	1.5%
84.0%	9,406	9,861	455	4.8%
85.2%	9,377	9,656	279	3.0%
86.4%	9,135	9,025	-110	-1.2%
87.7%	9,070	8,880	-190	-2.1%
88.9%	8,529	8,226	-303	-3.6%
90.1%	7,830	7,850	20	0.3%
91.4%	7,364	7,707	342	4.6%
92.6%	7,113	7,527	414	5.8%
93.8%	6,451	7,053	602	9.3%
95.1%	5,896	6,194	298	5.1%
96.3%	5,389	6,033	645	12.0%
97.5%	3,626	5,627	2,001	55.2%
98.8%	1,467	2,955	1,488	101.4%
100.0%	1,059	1,044	-16	-1.5%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,780	0	0.0%
2.5%	11,780	11,780	0	0.0%
3.7%	11,780	11,780	0	0.0%
4.9%	11,780	11,780	0	0.0%
6.2%	11,780	11,780	0	0.0%
7.4%	11,780	11,780	0	0.0%
8.6%	11,780	11,780	0	0.0%
9.9%	11,780	11,780	0	0.0%
11.1%	11,780	11,780	0	0.0%
12.3%	11,780	11,780	0	0.0%
13.6%	11,780	11,780	0	0.0%
14.8%	11,780	11,780	0	0.0%
16.0%	11,780	11,780	0	0.0%
17.3%	11,780	11,780	0	0.0%
18.5%	11,780	11,780	0	0.0%
19.8%	11,780	11,780	0	0.0%
21.0%	11,780	11,780	0	0.0%
22.2%	11,780	11,780	0	0.0%
23.5%	11,780	11,780	0	0.0%
24.7%	11,780	11,780	0	0.0%
25.9%	11,780	11,780	0	0.0%
27.2%	11,780	11,780	0	0.0%
28.4%	11,780	11,780	0	0.0%
29.6%	11,780	11,780	0	0.0%
30.9%	11,780	11,780	0	0.0%
32.1%	11,780	11,780	0	0.0%
33.3%	11,780	11,780	0	0.0%
34.6%	11,780	11,780	0	0.0%
35.8%	11,780	11,780	0	0.0%
37.0%	11,780	11,780	0	0.0%
38.3%	11,780	11,780	0	0.0%
39.5%	11,736	11,780	44	0.4%
40.7%	11,733	11,780	47	0.4%
42.0%	11,680	11,780	100	0.9%
43.2%	11,661	11,765	104	0.9%
44.4%	11,630	11,745	115	1.0%
45.7%	11,630	11,711	81	0.7%
46.9%	11,627	11,698	71	0.6%
48.1%	11,620	11,680	60	0.5%
49.4%	11,580	11,680	99	0.9%
50.6%	11,580	11,671	91	0.8%
51.9%	11,572	11,644	72	0.6%
53.1%	11,571	11,630	59	0.5%
54.3%	11,534	11,627	93	0.8%
55.6%	11,506	11,575	69	0.6%
56.8%	11,483	11,530	46	0.4%
58.0%	11,474	11,530	56	0.5%
59.3%	11,430	11,530	100	0.9%
60.5%	11,406	11,487	81	0.7%
61.7%	11,321	11,482	161	1.4%
63.0%	11,291	11,430	139	1.2%
64.2%	11,280	11,335	55	0.5%
65.4%	11,260	11,319	59	0.5%
66.7%	11,240	11,309	69	0.6%
67.9%	11,203	11,280	77	0.7%
69.1%	10,923	11,146	223	2.0%
70.4%	10,786	11,038	252	2.3%
71.6%	10,596	11,003	407	3.8%
72.8%	10,309	10,532	222	2.2%
74.1%	10,069	10,089	21	0.2%
75.3%	9,845	9,982	137	1.4%
76.5%	9,029	9,743	714	7.9%
77.8%	8,889	9,193	304	3.4%
79.0%	8,868	8,743	-126	-1.4%
80.2%	8,391	8,699	308	3.7%
81.5%	7,741	8,421	680	8.8%
82.7%	7,664	8,202	537	7.0%
84.0%	7,221	7,841	619	8.6%
85.2%	6,178	7,741	1,563	25.3%
86.4%	5,282	7,683	2,401	45.5%
87.7%	4,423	7,664	3,241	73.3%
88.9%	4,018	7,657	3,639	90.6%
90.1%	3,690	7,461	3,770	102.2%
91.4%	2,781	7,343	4,562	164.0%
92.6%	2,353	6,166	3,813	162.0%
93.8%	1,625	5,237	3,612	222.2%
95.1%	1,274	5,194	3,920	307.7%
96.3%	994	3,341	2,348	236.2%
97.5%	941	2,847	1,906	202.6%
98.8%	900	2,019	1,119	124.3%
100.0%	900	1,935	1,035	115.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	11,280	11,280	0	0.0%
16.0%	11,280	11,280	0	0.0%
17.3%	11,238	11,280	42	0.4%
18.5%	11,235	11,280	45	0.4%
19.8%	11,224	11,280	56	0.5%
21.0%	11,219	11,280	61	0.5%
22.2%	11,213	11,280	67	0.6%
23.5%	11,009	11,280	271	2.5%
24.7%	10,988	11,280	292	2.7%
25.9%	10,905	11,280	375	3.4%
27.2%	10,738	11,280	542	5.0%
28.4%	10,675	11,280	605	5.7%
29.6%	10,565	11,224	659	6.2%
30.9%	10,403	11,118	715	6.9%
32.1%	10,323	11,101	777	7.5%
33.3%	10,093	11,098	1,005	10.0%
34.6%	10,051	11,020	969	9.6%
35.8%	10,022	10,737	716	7.1%
37.0%	9,803	10,676	872	8.9%
38.3%	9,758	10,643	884	9.1%
39.5%	9,755	10,594	839	8.6%
40.7%	9,679	10,552	873	9.0%
42.0%	9,440	10,548	1,108	11.7%
43.2%	9,401	10,402	1,000	10.6%
44.4%	9,400	10,326	926	9.8%
45.7%	9,386	10,105	719	7.7%
46.9%	9,373	10,094	721	7.7%
48.1%	9,278	10,061	783	8.4%
49.4%	9,275	10,035	760	8.2%
50.6%	9,231	10,032	801	8.7%
51.9%	9,103	9,894	791	8.7%
53.1%	9,064	9,858	794	8.8%
54.3%	9,063	9,834	771	8.5%
55.6%	9,031	9,816	785	8.7%
56.8%	9,004	9,699	695	7.7%
58.0%	8,886	9,610	725	8.2%
59.3%	8,822	9,588	766	8.7%
60.5%	8,819	9,581	762	8.6%
61.7%	8,730	9,551	821	9.4%
63.0%	8,698	9,530	832	9.6%
64.2%	8,419	9,516	1,098	13.0%
65.4%	8,207	9,496	1,290	15.7%
66.7%	8,193	9,481	1,288	15.7%
67.9%	8,151	9,446	1,295	15.9%
69.1%	8,054	9,439	1,386	17.2%
70.4%	7,870	9,424	1,554	19.7%
71.6%	7,592	9,402	1,810	23.8%
72.8%	7,557	9,307	1,750	23.2%
74.1%	7,507	9,269	1,761	23.5%
75.3%	7,402	9,129	1,727	23.3%
76.5%	7,372	9,111	1,739	23.6%
77.8%	6,743	9,065	2,322	34.4%
79.0%	6,363	9,057	2,695	42.3%
80.2%	6,312	8,961	2,650	42.0%
81.5%	6,199	8,884	2,685	43.3%
82.7%	4,882	8,843	3,961	81.2%
84.0%	4,873	8,833	3,960	81.3%
85.2%	4,873	8,419	3,546	72.8%
86.4%	4,642	7,302	2,660	57.3%
87.7%	4,593	5,123	530	11.6%
88.9%	4,578	5,035	457	10.0%
90.1%	4,544	4,914	370	8.1%
91.4%	4,540	4,804	264	5.8%
92.6%	4,459	4,770	311	7.0%
93.8%	4,395	4,644	249	5.7%
95.1%	4,350	4,587	237	5.4%
96.3%	4,307	4,544	237	5.5%
97.5%	4,095	4,456	361	8.8%
98.8%	4,001	3,979	-23	-0.6%
100.0%	3,698	3,838	140	3.8%

Table SW-37-7a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,449	3,525	4,041	3,099	2,947	2,787	1,042	1,105	2,390	3,900	3,935	3,838
Alternative C	3,647	3,748	4,045	3,258	3,180	2,760	1,046	1,096	2,319	4,049	4,031	4,129
Difference	198	222	4	159	232	-27	4	-9	-71	149	96	291
Percent Difference[3]	5.7%	6.3%	0.1%	5.1%	7.9%	-1.0%	0.4%	-0.8%	-3.0%	3.8%	2.4%	7.6%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,409	3,537	4,335	3,492	3,696	3,577	1,371	1,620	3,574	4,556	4,598	3,939
Alternative C	4,166	3,726	4,341	3,555	3,835	3,584	1,367	1,620	3,561	4,574	4,527	4,381
Difference	757	189	6	63	138	7	-3	0	-13	18	-71	443
Percent Difference	22.2%	5.3%	0.1%	1.8%	3.7%	0.2%	-0.2%	0.0%	-0.4%	0.4%	-1.6%	11.2%
Above Normal (15%)												
No Action Alternative	3,607	3,859	4,389	2,969	2,731	3,593	929	870	3,079	4,004	4,585	3,681
Alternative C	3,955	4,204	4,389	3,129	3,288	3,541	927	867	2,879	4,495	4,466	4,243
Difference	348	345	0	161	557	-52	-2	-3	-200	490	-119	562
Percent Difference	9.6%	8.9%	0.0%	5.4%	20.4%	-1.4%	-0.3%	-0.3%	-6.5%	12.2%	-2.6%	15.3%
Below Normal (17%)												
No Action Alternative	3,984	4,260	4,061	2,957	2,640	2,721	890	870	2,117	4,200	4,022	4,495
Alternative C	4,198	4,326	4,240	3,087	2,871	2,766	889	869	1,896	4,273	3,967	4,584
Difference	214	65	179	131	230	45	-1	-1	-221	73	-55	89
Percent Difference	5.4%	1.5%	4.4%	4.4%	8.7%	1.6%	-0.1%	-0.1%	-10.4%	1.7%	-1.4%	2.0%
Dry (22%)												
No Action Alternative	3,589	3,597	3,697	3,143	2,851	2,060	879	883	1,480	4,001	3,770	3,935
Alternative C	3,286	4,057	3,926	3,276	2,959	1,975	893	861	1,463	4,141	4,304	4,249
Difference	-303	460	230	133	108	-86	14	-22	-17	140	534	314
Percent Difference	-8.5%	12.8%	6.2%	4.2%	3.8%	-4.2%	1.6%	-2.5%	-1.2%	3.5%	14.2%	8.0%
Critical (15%)												
No Action Alternative	2,542	2,201	3,548	2,478	2,044	1,434	866	834	821	1,872	1,997	2,860
Alternative C	2,112	2,199	3,009	2,915	2,345	1,364	883	809	846	2,065	2,190	2,754
Difference	-430	-3	-539	437	301	-70	17	-26	26	192	193	-106
Percent Difference	-16.9%	-0.1%	-15.2%	17.6%	14.7%	-4.9%	1.9%	-3.1%	3.1%	10.3%	9.6%	-3.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-37-7b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

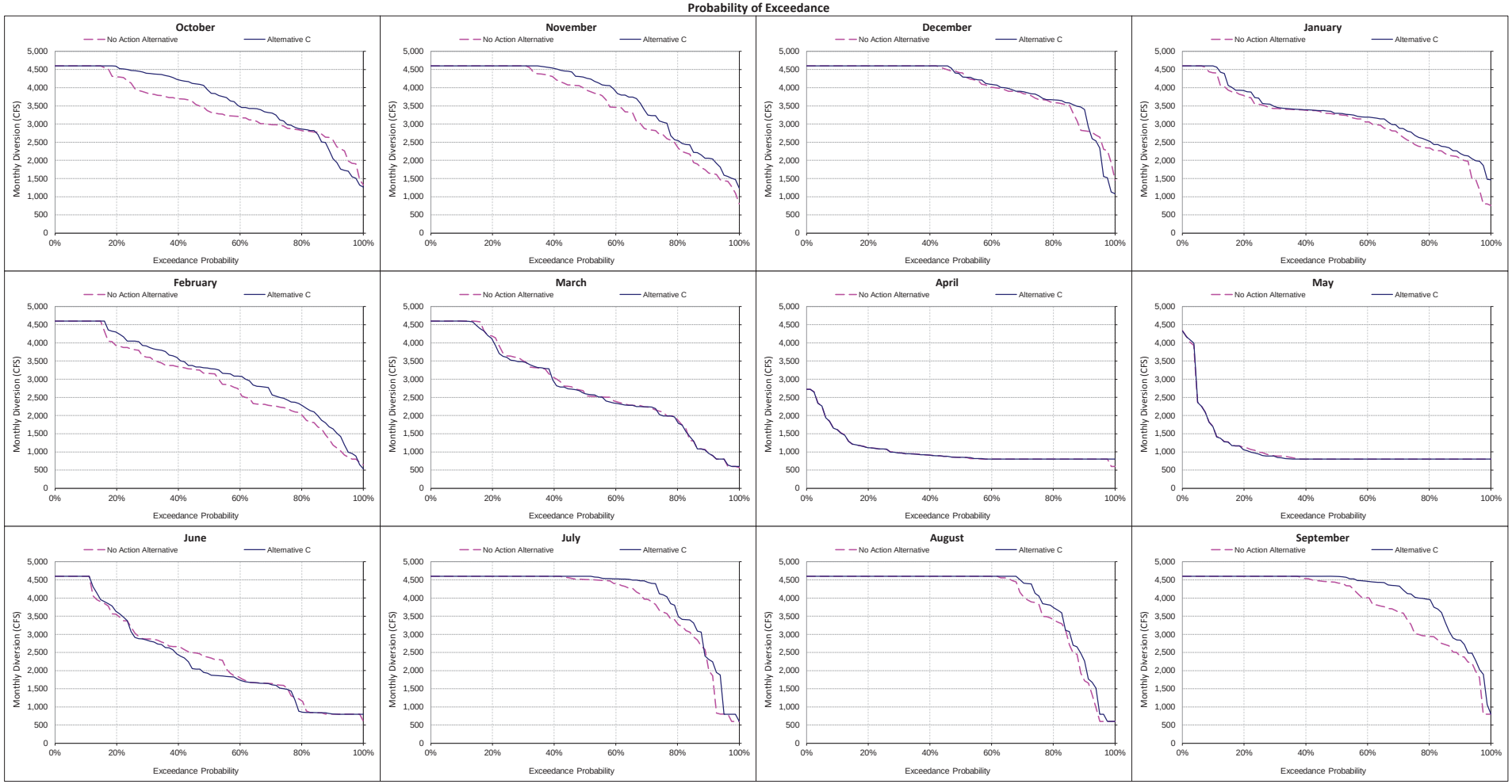

Table SW-37-7b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,551	4,600	49	1.1%
17.3%	4,521	4,600	79	1.7%
18.5%	4,315	4,600	285	6.6%
19.8%	4,298	4,590	292	6.8%
21.0%	4,294	4,523	229	5.3%
22.2%	4,282	4,517	235	5.5%
23.5%	4,195	4,505	310	7.4%
24.7%	4,126	4,475	349	8.5%
25.9%	3,969	4,466	496	12.5%
27.2%	3,924	4,454	530	13.5%
28.4%	3,893	4,430	538	13.8%
29.6%	3,859	4,398	539	14.0%
30.9%	3,827	4,388	561	14.7%
32.1%	3,815	4,374	559	14.7%
33.3%	3,791	4,369	578	15.2%
34.6%	3,780	4,363	583	15.4%
35.8%	3,756	4,336	580	15.4%
37.0%	3,729	4,311	581	15.6%
38.3%	3,729	4,278	549	14.7%
39.5%	3,694	4,229	535	14.5%
40.7%	3,694	4,200	506	13.7%
42.0%	3,687	4,181	493	13.4%
43.2%	3,665	4,166	502	13.7%
44.4%	3,629	4,119	490	13.5%
45.7%	3,539	4,104	565	16.0%
46.9%	3,498	4,093	595	17.0%
48.1%	3,467	4,061	594	17.1%
49.4%	3,372	3,941	569	16.9%
50.6%	3,321	3,843	523	15.7%
51.9%	3,303	3,838	535	16.2%
53.1%	3,277	3,784	507	15.5%
54.3%	3,272	3,754	482	14.7%
55.6%	3,228	3,726	498	15.4%
56.8%	3,223	3,637	413	12.8%
58.0%	3,220	3,613	392	12.2%
59.3%	3,213	3,508	295	9.2%
60.5%	3,168	3,459	291	9.2%
61.7%	3,166	3,456	290	9.2%
63.0%	3,112	3,430	318	10.2%
64.2%	3,110	3,424	314	10.1%
65.4%	3,073	3,421	348	11.3%
66.7%	3,010	3,391	381	12.6%
67.9%	3,005	3,337	332	11.0%
69.1%	2,996	3,314	317	10.6%
70.4%	2,983	3,299	317	10.6%
71.6%	2,977	3,244	267	9.0%
72.8%	2,968	3,112	144	4.9%
74.1%	2,948	3,087	138	4.7%
75.3%	2,881	2,980	99	3.4%
76.5%	2,869	2,964	95	3.3%
77.8%	2,854	2,913	58	2.0%
79.0%	2,842	2,877	35	1.2%
80.2%	2,815	2,852	37	1.3%
81.5%	2,809	2,851	42	1.5%
82.7%	2,802	2,820	18	0.6%
84.0%	2,779	2,817	38	1.4%
85.2%	2,777	2,718	-58	-2.1%
86.4%	2,725	2,506	-219	-8.0%
87.7%	2,641	2,491	-150	-5.7%
88.9%	2,630	2,278	-352	-13.4%
90.1%	2,554	2,045	-510	-20.0%
91.4%	2,376	1,941	-435	-18.3%
92.6%	2,317	1,760	-558	-24.1%
93.8%	2,262	1,721	-541	-23.9%
95.1%	1,983	1,706	-277	-14.0%
96.3%	1,916	1,552	-365	-19.0%
97.5%	1,906	1,511	-395	-20.7%
98.8%	1,463	1,319	-144	-9.8%
100.0%	1,322	1,266	-56	-4.2%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,552	4,600	48	1.0%
33.3%	4,423	4,600	177	4.0%
34.6%	4,387	4,600	213	4.9%
35.8%	4,373	4,583	210	4.8%
37.0%	4,360	4,573	213	4.9%
38.3%	4,337	4,559	222	5.1%
39.5%	4,310	4,536	226	5.3%
40.7%	4,213	4,519	305	7.2%
42.0%	4,166	4,481	314	7.5%
43.2%	4,126	4,457	331	8.0%
44.4%	4,074	4,451	377	9.2%
45.7%	4,074	4,430	357	8.8%
46.9%	4,061	4,312	250	6.2%
48.1%	4,057	4,309	252	6.2%
49.4%	3,998	4,295	297	7.4%
50.6%	3,927	4,261	334	8.5%
51.9%	3,891	4,237	346	8.9%
53.1%	3,844	4,174	330	8.6%
54.3%	3,832	4,135	303	7.9%
55.6%	3,776	4,075	298	7.9%
56.8%	3,661	4,059	398	10.9%
58.0%	3,467	4,057	590	17.0%
59.3%	3,460	3,964	503	14.5%
60.5%	3,452	3,838	386	11.2%
61.7%	3,451	3,799	348	10.1%
63.0%	3,339	3,796	456	13.7%
64.2%	3,326	3,744	418	12.6%
65.4%	3,299	3,741	442	13.4%
66.7%	3,064	3,700	636	20.7%
67.9%	3,013	3,572	559	18.6%
69.1%	2,884	3,401	517	17.9%
70.4%	2,840	3,248	408	14.4%
71.6%	2,832	3,235	403	14.2%
72.8%	2,817	3,235	417	14.8%
74.1%	2,714	3,089	374	13.8%
75.3%	2,698	3,054	356	13.2%
76.5%	2,595	3,024	429	16.5%
77.8%	2,558	2,680	122	4.8%
79.0%	2,494	2,568	74	3.0%
80.2%	2,333	2,541	208	8.9%
81.5%	2,243	2,464	221	9.8%
82.7%	2,208	2,437	228	10.3%
84.0%	2,169	2,431	262	12.1%
85.2%	1,939	2,217	278	14.4%
86.4%	1,899	2,214	314	16.5%
87.7%	1,803	2,147	343	19.0%
88.9%	1,743	2,061	318	18.2%
90.1%	1,650	2,059	409	24.8%
91.4%	1,642	2,040	399	24.3%
92.6%	1,612	1,920	308	19.1%
93.8%	1,462	1,814	352	24.0%
95.1%	1,440	1,592	152	10.6%
96.3%	1,425	1,557	132	9.3%
97.5%	1,277	1,511	235	18.4%
98.8%	1,098	1,474	376	34.3%
100.0%	800	1,233	433	54.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,572	4,600	28	0.6%
44.4%	4,533	4,600	67	1.5%
45.7%	4,493	4,600	107	2.4%
46.9%	4,462	4,538	77	1.7%
48.1%	4,458	4,401	-56	-1.3%
49.4%	4,419	4,391	-28	-0.6%
50.6%	4,401	4,296	-105	-2.4%
51.9%	4,283	4,285	2	0.0%
53.1%	4,234	4,283	49	1.2%
54.3%	4,219	4,234	15	0.4%
55.6%	4,208	4,216	8	0.2%
56.8%	4,097	4,208	112	2.7%
58.0%	4,080	4,117	37	0.9%
59.3%	4,004	4,097	92	2.3%
60.5%	4,003	4,080	77	1.9%
61.7%	3,992	4,071	79	2.0%
63.0%	3,976	4,004	28	0.7%
64.2%	3,943	4,003	60	1.5%
65.4%	3,904	3,976	71	1.8%
66.7%	3,899	3,943	43	1.1%
67.9%	3,886	3,904	18	0.5%
69.1%	3,884	3,899	16	0.4%
70.4%	3,829	3,886	57	1.5%
71.6%	3,822	3,861	39	1.0%
72.8%	3,775	3,829	54	1.4%
74.1%	3,710	3,826	116	3.1%
75.3%	3,674	3,775	101	2.7%
76.5%	3,674	3,710	36	1.0%
77.8%	3,659	3,674	15	0.4%
79.0%	3,612	3,674	63	1.7%
80.2%	3,586	3,666	80	2.2%
81.5%	3,583	3,659	76	2.1%
82.7%	3,558	3,644	86	2.4%
84.0%	3,531	3,586	54	1.5%
85.2%	3,524	3,582	57	1.6%
86.4%	3,296	3,531	235	7.1%
87.7%	3,093	3,491	399	12.9%
88.9%	2,824	3,471	646	22.9%
90.1%	2,816	3,399	582	20.7%
91.4%	2,802	2,918	116	4.1%
92.6%	2,761	2,595	-166	-6.0%
93.8%	2,692	2,537	-155	-5.8%
95.1%	2,640	2,339	-301	-11.4%
96.3%	2,300	1,554	-746	-32.5%
97.5%	2,265	1,518	-747	-33.0%
98.8%	1,923	1,129	-794	-41.3%
100.0%	1,462	1,084	-377	-25.8%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,564	4,600	36	0.8%
8.6%	4,438	4,600	162	3.6%
9.9%	4,410	4,600	190	4.3%
11.1%	4,404	4,564	161	3.7%
12.3%	4,063	4,425	362	8.9%
13.6%	4,036	4,390	354	8.8%
14.8%	3,934	4,063	129	3.3%
16.0%	3,888	4,010	122	3.1%
17.3%	3,880	3,931	51	1.3%
18.5%	3,819	3,928	109	2.9%
19.8%	3,790	3,921	131	3.5%
21.0%	3,734	3,888	154	4.1%
22.2%	3,729	3,880	151	4.1%
23.5%	3,554	3,729	175	4.9%
24.7%	3,545	3,712	167	4.7%
25.9%	3,523	3,568	46	1.3%
27.2%	3,489	3,554	64	1.8%
28.4%	3,442	3,545	103	3.0%
29.6%	3,426	3,489	63	1.8%
30.9%	3,424	3,452	28	0.8%
32.1%	3,414	3,442	28	0.8%
33.3%	3,410	3,426	16	0.5%
34.6%	3,404	3,424	20	0.6%
35.8%	3,397	3,414	17	0.5%
37.0%	3,392	3,410	17	0.5%
38.3%	3,389	3,397	8	0.2%
39.5%	3,386	3,392	6	0.2%
40.7%	3,375	3,389	15	0.4%
42.0%	3,374	3,386	12	0.4%
43.2%	3,370	3,375	4	0.1%
44.4%	3,351	3,374	23	0.7%
45.7%	3,298	3,370	72	2.2%
46.9%	3,291	3,355	64	1.9%
48.1%	3,285	3,351	66	2.0%
49.4%	3,269	3,298	30	0.9%
50.6%	3,260	3,291	31	1.0%
51.9%	3,246	3,285	39	1.2%
53.1%	3,237	3,269	32	1.0%
54.3%	3,190	3,259	69	2.2%
55.6%	3,162	3,246	85	2.7%
56.8%	3,142	3,211	68	2.2%
58.0%	3,142	3,195	53	1.7%
59.3%	3,060	3,190	130	4.3%
60.5%	3,056	3,189	133	4.3%
61.7%	2,986	3,174	187	6.3%
63.0%	2,980	3,162	182	6.1%
64.2%	2,968	3,142	174	5.9%
65.4%	2,880	3,141	262	9.1%
66.7%	2,873	3,060	187	6.5%
67.9%	2,812	2,986	174	6.2%
69.1%	2,803	2,980	177	6.3%
70.4%	2,708	2,880	172	6.3%
71.6%	2,634	2,873	239	9.1%
72.8%	2,563	2,803	240	9.4%
74.1%	2,522	2,782	260	10.3%
75.3%	2,439	2,690	251	10.3%
76.5%	2,387	2,634	247	10.4%
77.8%	2,373	2,606	233	9.8%
79.0%	2,346	2,563	217	9.3%
80.2%	2,339	2,522	183	7.8%
81.5%	2,277	2,439	161	7.1%
82.7%	2,268	2,436	167	7.4%
84.0%	2,261	2,387	127	5.6%
85.2%	2,186	2,373	187	8.5%
86.4%	2,136	2,346	210	9.8%
87.7%	2,121	2,268	147	6.9%
88.9%	2,110	2,261	151	7.2%
90.1%	2,048	2,186	139	6.8%
91.4%	1,993	2,136	143	7.2%
92.6%	1,973	2,121	148	7.5%
93.8%	1,511	2,048	537	35.5%
95.1%	1,481	1,993	512	34.6%
96.3%	1,192	1,973	780	65.5%
97.5%	800	1,858	1,058	132.3%
98.8%	800	1,477	677	84.6%
100.0%	760	1,466	706	93.0%

Table SW-37-7b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,320	4,600	280	6.5%
17.3%	4,047	4,355	308	7.6%
18.5%	4,032	4,320	287	7.1%
19.8%	3,932	4,298	366	9.3%
21.0%	3,909	4,239	330	8.4%
22.2%	3,872	4,170	298	7.7%
23.5%	3,870	4,050	180	4.7%
24.7%	3,831	4,047	216	5.6%
25.9%	3,812	4,047	235	6.2%
27.2%	3,797	4,032	235	6.2%
28.4%	3,646	3,932	287	7.9%
29.6%	3,607	3,915	308	8.5%
30.9%	3,600	3,870	270	7.5%
32.1%	3,520	3,834	314	8.9%
33.3%	3,486	3,812	326	9.4%
34.6%	3,449	3,797	348	10.1%
35.8%	3,383	3,760	377	11.1%
37.0%	3,377	3,662	285	8.4%
38.3%	3,376	3,646	270	8.0%
39.5%	3,348	3,600	252	7.5%
40.7%	3,335	3,504	169	5.1%
42.0%	3,316	3,485	169	5.1%
43.2%	3,285	3,377	92	2.8%
44.4%	3,283	3,376	93	2.8%
45.7%	3,257	3,337	81	2.5%
46.9%	3,252	3,335	83	2.5%
48.1%	3,170	3,316	147	4.6%
49.4%	3,161	3,307	147	4.6%
50.6%	3,152	3,285	134	4.2%
51.9%	3,150	3,283	132	4.2%
53.1%	3,000	3,252	252	8.4%
54.3%	2,861	3,161	299	10.5%
55.6%	2,856	3,152	296	10.4%
56.8%	2,825	3,150	325	11.5%
58.0%	2,777	3,086	309	11.1%
59.3%	2,741	3,086	345	12.6%
60.5%	2,537	3,081	544	21.4%
61.7%	2,499	3,000	501	20.0%
63.0%	2,482	2,958	476	19.2%
64.2%	2,331	2,838	507	21.7%
65.4%	2,318	2,809	491	21.2%
66.7%	2,311	2,796	485	21.0%
67.9%	2,309	2,788	479	20.8%
69.1%	2,279	2,773	494	21.7%
70.4%	2,270	2,569	299	13.2%
71.6%	2,259	2,537	277	12.3%
72.8%	2,236	2,499	263	11.8%
74.1%	2,220	2,482	261	11.8%
75.3%	2,197	2,426	229	10.4%
76.5%	2,136	2,375	240	11.2%
77.8%	2,102	2,365	264	12.5%
79.0%	2,084	2,331	247	11.9%
80.2%	1,997	2,270	273	13.7%
81.5%	1,872	2,197	325	17.3%
82.7%	1,824	2,136	312	17.1%
84.0%	1,804	2,102	297	16.5%
85.2%	1,691	1,997	306	18.1%
86.4%	1,631	1,872	242	14.8%
87.7%	1,471	1,804	334	22.7%
88.9%	1,343	1,691	347	25.8%
90.1%	1,186	1,631	445	37.5%
91.4%	1,109	1,513	403	36.3%
92.6%	1,028	1,423	395	38.4%
93.8%	910	1,192	282	31.0%
95.1%	855	989	133	15.6%
96.3%	800	956	156	19.5%
97.5%	800	887	87	10.9%
98.8%	711	648	-62	-8.8%
100.0%	643	531	-113	-17.5%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,591	-9	-0.2%
13.6%	4,600	4,576	-24	-0.5%
14.8%	4,591	4,483	-108	-2.4%
16.0%	4,576	4,391	-185	-4.0%
17.3%	4,330	4,330	0	0.0%
18.5%	4,199	4,199	0	0.0%
19.8%	4,192	4,127	-65	-1.6%
21.0%	4,138	3,928	-210	-5.1%
22.2%	3,915	3,710	-205	-5.2%
23.5%	3,710	3,633	-77	-2.1%
24.7%	3,644	3,602	-42	-1.2%
25.9%	3,633	3,523	-110	-3.0%
27.2%	3,607	3,515	-92	-2.6%
28.4%	3,602	3,484	-118	-3.3%
29.6%	3,523	3,481	-42	-1.2%
30.9%	3,465	3,465	0	0.0%
32.1%	3,333	3,398	64	1.9%
33.3%	3,325	3,356	31	0.9%
34.6%	3,317	3,325	8	0.2%
35.8%	3,296	3,317	21	0.6%
37.0%	3,290	3,296	6	0.2%
38.3%	3,156	3,290	134	4.3%
39.5%	3,063	2,983	-80	-2.6%
40.7%	3,009	2,821	-188	-6.2%
42.0%	2,940	2,786	-154	-5.2%
43.2%	2,815	2,784	-31	-1.1%
44.4%	2,808	2,739	-70	-2.5%
45.7%	2,794	2,726	-68	-2.4%
46.9%	2,726	2,706	-20	-0.7%
48.1%	2,705	2,690	-16	-0.6%
49.4%	2,690	2,619	-70	-2.6%
50.6%	2,539	2,587	48	1.9%
51.9%	2,536	2,577	41	1.6%
53.1%	2,529	2,567	38	1.5%
54.3%	2,527	2,513	-14	-0.6%
55.6%	2,513	2,503	-10	-0.4%
56.8%	2,508	2,400	-108	-4.3%
58.0%	2,503	2,372	-130	-5.2%
59.3%	2,406	2,343	-63	-2.6%
60.5%	2,372	2,332	-40	-1.7%
61.7%	2,343	2,314	-29	-1.2%
63.0%	2,314	2,288	-26	-1.1%
64.2%	2,288	2,281	-7	-0.3%
65.4%	2,281	2,279	-2	-0.1%
66.7%	2,277	2,251	-27	-1.2%
67.9%	2,275	2,248	-27	-1.2%
69.1%	2,241	2,241	0	0.0%
70.4%	2,235	2,240	5	0.2%
71.6%	2,195	2,235	40	1.8%
72.8%	2,157	2,195	38	1.7%
74.1%	2,121	2,033	-88	-4.1%
75.3%	2,094	1,991	-103	-4.9%
76.5%	1,991	1,990	-1	0.0%
77.8%	1,990	1,987	-3	-0.2%
79.0%	1,987	1,961	-26	-1.3%
80.2%	1,855	1,788	-67	-3.6%
81.5%	1,741	1,741	0	0.0%
82.7%	1,633	1,560	-73	-4.5%
84.0%	1,318	1,422	104	7.9%
85.2%	1,297	1,297	0	0.0%
86.4%	1,084	1,084	0	0.0%
87.7%	1,079	1,079	0	0.0%
88.9%	1,066	1,055	-11	-1.0%
90.1%	946	955	9	1.0%
91.4%	903	903	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	600	640	40	6.7%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	569	600	31	5.5%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,726	2,726	0	0.0%
1.2%	2,722	2,722	0	0.0%
2.5%	2,655	2,646	-9	-0.3%
3.7%	2,347	2,338	-9	-0.4%
4.9%	2,269	2,260	-9	-0.4%
6.2%	1,951	1,942	-9	-0.5%
7.4%	1,852	1,843	-9	-0.5%
8.6%	1,665	1,656	-9	-0.6%
9.9%	1,625	1,616	-9	-0.6%
11.1%	1,527	1,518	-9	-0.6%
12.3%	1,470	1,461	-9	-0.6%
13.6%	1,297	1,292	-5	-0.4%
14.8%	1,215	1,212	-3	-0.3%
16.0%	1,195	1,195	0	0.0%
17.3%	1,174	1,174	0	0.0%
18.5%	1,157	1,148	-9	-0.8%
19.8%	1,119	1,119	0	0.0%
21.0%	1,111	1,111	0	0.0%
22.2%	1,099	1,099	0	0.0%
23.5%	1,085	1,085	0	0.0%
24.7%	1,083	1,083	0	0.0%
25.9%	1,076	1,076	0	0.0%
27.2%	1,003	995	-9	-0.9%
28.4%	994	994	0	0.0%
29.6%	974	974	0	0.0%
30.9%	970	970	0	0.0%
32.1%	950	949	0	0.0%
33.3%	949	947	-3	-0.3%
34.6%	947	940	-7	-0.7%
35.8%	938	938	0	0.0%
37.0%	931	922	-9	-0.9%
38.3%	919	919	0	0.0%
39.5%	916	916	0	0.0%
40.7%	904	904	0	0.0%
42.0%	893	893	0	0.0%
43.2%	893	893	0	0.0%
44.4%	880	881	0	0.0%
45.7%	878	878	0	0.0%
46.9%	856	856	0	0.0%
48.1%	855	855	0	0.0%
49.4%	853	852	0	0.0%
50.6%	852	852	0	0.0%
51.9%	847	847	0	0.0%
53.1%	819	845	27	3.2%
54.3%	817	819	2	0.2%
55.6%	816	817	0	0.1%
56.8%	802	817	14	1.8%
58.0%	800	802	2	0.3%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	600	800	200	33.3%
100.0%	600	800	200	33.3%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,341	4,328	-13	-0.3%
1.2%	4,184	4,171	-13	-0.3%
2.5%	4,019	4,087	68	1.7%
3.7%	3,933	3,992	59	1.5%
4.9%	2,373	2,360	-13	-0.6%
6.2%	2,265	2,252	-13	-0.6%
7.4%	2,102	2,089	-13	-0.6%
8.6%	1,825	1,812	-13	-0.7%
9.9%	1,711	1,697	-13	-0.8%
11.1%	1,424	1,410	-13	-0.9%
12.3%	1,389	1,375	-13	-1.0%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,269	-6	-0.4%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	1	0.0%
19.8%	1,133	1,065	-68	-6.0%
21.0%	1,106	1,031	-75	-6.8%
22.2%	1,064	990	-74	-7.0%
23.5%	1,044	971	-73	-7.0%
24.7%	990	942	-48	-4.9%
25.9%	984	903	-81	-8.2%
27.2%	943	890	-53	-5.6%
28.4%	905	885	-20	-2.2%
29.6%	890	885	-6	-0.6%
30.9%	885	848	-37	-4.2%
32.1%	885	835	-50	-5.7%
33.3%	876	815	-61	-6.9%
34.6%	855	811	-45	-5.2%
35.8%	835	800	-35	-4.2%
37.0%	815	800	-15	-1.8%
38.3%	804	800	-4	-0.5%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-37-7b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,059	4,313	254	6.2%
13.6%	3,953	4,134	181	4.6%
14.8%	3,901	3,953	52	1.3%
16.0%	3,847	3,901	54	1.4%
17.3%	3,782	3,847	65	1.7%
18.5%	3,561	3,782	221	6.2%
19.8%	3,556	3,634	78	2.2%
21.0%	3,476	3,563	87	2.5%
22.2%	3,378	3,476	98	2.9%
23.5%	3,364	3,378	13	0.4%
24.7%	3,203	3,078	-125	-3.9%
25.9%	3,033	2,914	-120	-3.9%
27.2%	2,938	2,877	-61	-2.1%
28.4%	2,877	2,873	-4	-0.1%
29.6%	2,873	2,843	-29	-1.0%
30.9%	2,869	2,813	-56	-1.9%
32.1%	2,862	2,789	-73	-2.6%
33.3%	2,834	2,734	-100	-3.5%
34.6%	2,789	2,720	-68	-2.5%
35.8%	2,752	2,638	-114	-4.1%
37.0%	2,675	2,631	-44	-1.7%
38.3%	2,664	2,574	-91	-3.4%
39.5%	2,662	2,463	-198	-7.4%
40.7%	2,638	2,399	-239	-9.0%
42.0%	2,578	2,348	-230	-8.9%
43.2%	2,523	2,244	-279	-11.1%
44.4%	2,495	2,055	-440	-17.6%
45.7%	2,489	2,041	-448	-18.0%
46.9%	2,464	2,038	-425	-17.3%
48.1%	2,400	1,953	-447	-18.6%
49.4%	2,378	1,928	-450	-18.9%
50.6%	2,348	1,872	-476	-20.3%
51.9%	2,306	1,863	-442	-19.2%
53.1%	2,302	1,858	-444	-19.3%
54.3%	2,283	1,849	-434	-19.0%
55.6%	2,041	1,837	-204	-10.0%
56.8%	1,928	1,833	-95	-4.9%
58.0%	1,858	1,826	-32	-1.7%
59.3%	1,837	1,760	-76	-4.2%
60.5%	1,775	1,723	-53	-3.0%
61.7%	1,723	1,691	-32	-1.9%
63.0%	1,677	1,677	0	0.0%
64.2%	1,668	1,668	0	0.0%
65.4%	1,666	1,666	0	0.0%
66.7%	1,663	1,653	-10	-0.6%
67.9%	1,653	1,650	-3	-0.2%
69.1%	1,651	1,640	-11	-0.7%
70.4%	1,640	1,610	-30	-1.8%
71.6%	1,610	1,595	-16	-1.0%
72.8%	1,599	1,520	-78	-4.9%
74.1%	1,595	1,506	-89	-5.6%
75.3%	1,506	1,485	-20	-1.3%
76.5%	1,304	1,434	130	9.9%
77.8%	1,260	1,192	-68	-5.4%
79.0%	1,220	885	-335	-27.5%
80.2%	1,156	856	-299	-25.9%
81.5%	886	846	-40	-4.5%
82.7%	846	846	0	0.0%
84.0%	846	846	0	0.0%
85.2%	840	840	0	0.0%
86.4%	840	840	0	0.0%
87.7%	800	840	40	5.0%
88.9%	800	820	20	2.5%
90.1%	800	806	6	0.7%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	800	200	33.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,595	4,600	5	0.1%
43.2%	4,569	4,600	31	0.7%
44.4%	4,562	4,600	38	0.8%
45.7%	4,540	4,600	60	1.3%
46.9%	4,523	4,600	77	1.7%
48.1%	4,522	4,600	78	1.7%
49.4%	4,514	4,600	86	1.9%
50.6%	4,509	4,600	91	2.0%
51.9%	4,505	4,600	95	2.1%
53.1%	4,500	4,578	79	1.7%
54.3%	4,492	4,572	79	1.8%
55.6%	4,486	4,540	54	1.2%
56.8%	4,476	4,538	62	1.4%
58.0%	4,470	4,536	66	1.5%
59.3%	4,399	4,532	132	3.0%
60.5%	4,394	4,529	136	3.1%
61.7%	4,347	4,523	176	4.0%
63.0%	4,320	4,522	201	4.7%
64.2%	4,271	4,518	247	5.8%
65.4%	4,259	4,495	236	5.5%
66.7%	4,164	4,492	328	7.9%
67.9%	4,109	4,476	367	8.9%
69.1%	3,970	4,473	504	12.7%
70.4%	3,964	4,429	465	11.7%
71.6%	3,897	4,406	510	13.1%
72.8%	3,820	4,396	576	15.1%
74.1%	3,662	4,116	454	12.4%
75.3%	3,611	4,088	476	13.2%
76.5%	3,568	4,034	466	13.1%
77.8%	3,419	3,847	427	12.5%
79.0%	3,405	3,800	395	11.6%
80.2%	3,263	3,486	223	6.8%
81.5%	3,220	3,409	189	5.9%
82.7%	3,099	3,405	306	9.9%
84.0%	3,058	3,396	338	11.0%
85.2%	2,930	3,316	386	13.2%
86.4%	2,844	3,090	246	8.6%
87.7%	2,678	3,064	386	14.4%
88.9%	2,575	2,405	-170	-6.6%
90.1%	1,995	2,310	315	15.8%
91.4%	1,861	2,243	382	20.5%
92.6%	832	1,954	1,122	134.8%
93.8%	800	1,884	1,084	135.4%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	600	800	200	33.3%
98.8%	600	800	200	33.3%
100.0%	600	600	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,600	4,600	0	0.0%
44.4%	4,600	4,600	0	0.0%
45.7%	4,600	4,600	0	0.0%
46.9%	4,600	4,600	0	0.0%
48.1%	4,600	4,600	0	0.0%
49.4%	4,600	4,600	0	0.0%
50.6%	4,600	4,600	0	0.0%
51.9%	4,600	4,600	0	0.0%
53.1%	4,600	4,600	0	0.0%
54.3%	4,600	4,600	0	0.0%
55.6%	4,600	4,600	0	0.0%
56.8%	4,600	4,600	0	0.0%
58.0%	4,600	4,600	0	0.0%
59.3%	4,600	4,600	0	0.0%
60.5%	4,600	4,600	0	0.0%
61.7%	4,600	4,600	0	0.0%
63.0%	4,556	4,600	44	1.0%
64.2%	4,553	4,600	47	1.0%
65.4%	4,535	4,600	65	1.4%
66.7%	4,481	4,600	119	2.7%
67.9%	4,445	4,600	155	3.5%
69.1%	4,155	4,507	352	8.5%
70.4%	4,021	4,407	386	9.6%
71.6%	3,950	4,395	445	11.3%
72.8%	3,889	4,389	499	12.8%
74.1%	3,881	4,129	248	6.4%
75.3%	3,824	4,052	229	6.0%
76.5%	3,495	3,847	352	10.1%
77.8%	3,485	3,825	339	9.7%
79.0%	3,453	3,799	347	10.0%
80.2%	3,390	3,723	333	9.8%
81.5%	3,333	3,663	329	9.9%
82.7%	3,290	3,596	306	9.3%
84.0%	3,118	3,111	-8	-0.3%
85.2%	2,710	3,073	364	13.4%
86.4%	2,481	2,695	214	8.6%
87.7%	2,454	2,655	201	8.2%
88.9%	1,927	2,479	552	28.7%
90.1%	1,717	2,266	549	32.0%
91.4%	1,658	1,767	109	6.6%
92.6%	1,325	1,678	353	26.7%
93.8%	974	1,514	540	55.5%
95.1%	600	800	200	33.3%
96.3%	600	800	200	33.3%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,579	4,600	21	0.5%
39.5%	4,533	4,600	67	1.5%
40.7%	4,531	4,600	69	1.5%
42.0%	4,502	4,600	98	2.2%
43.2%	4,481	4,600	119	2.7%
44.4%	4,470	4,600	130	2.9%
45.7%	4,457	4,600	143	3.2%
46.9%	4,451	4,600	149	3.3%
48.1%	4,443	4,600	157	3.5%
49.4%	4,434	4,600	166	3.7%
50.6%	4,411	4,594	182	4.1%
51.9%	4,410	4,582	173	3.9%
53.1%	4,336	4,570	234	5.4%
54.3%	4,329	4,532	203	4.7%
55.6%	4,229	4,529	299	7.1%
56.8%	4,121	4,483	363	8.8%
58.0%	4,022	4,476	454	11.3%
59.3%	4,006	4,474	468	11.7%
60.5%	4,000	4,451	451	11.3%
61.7%	3,813	4,438	625	16.4%
63.0%	3,810	4,435	625	16.4%
64.2%	3,779	4,429	650	17.2%
65.4%	3,757	4,425	668	17.8%
66.7%	3,713	4,361	647	17.4%
67.9%	3,702	4,345	642	17.3%
69.1%	3,654	4,340	686	18.8%
70.4%	3,598	4,323	725	20.1%
71.6%	3,583	4,219	636	17.7%
72.8%	3,406	4,121	714	21.0%
74.1%	3,272	4,110	838	25.6%
75.3%	3,020	4,021	1,001	33.1%
76.5%	2,996	3,996	1,000	33.4%
77.8%	2,966	3,990	1,024	34.5%
79.0%	2,958	3,969	1,011	34.2%
80.2%	2,944	3,953	1,009	34.3%
81.5%	2,932	3,746	815	27.8%
82.7%	2,848	3,701	852	29.9%
84.0%	2,755	3,603	848	30.8%
85.2%	2,715	3,324	609	22.4%
86.4%	2,685	3,082	397	14.8%
87.7%	2,513	2,901	388	15.4%
88.9%	2,499	2,847	348	13.9%
90.1%	2,391	2,837	446	18.7%
91.4%	2,374	2,716	342	14.4%
92.6%	2,238	2,482	244	10.9%
93.8%	2,218	2,481	263	11.9%
95.1%	1,982	2,274	292	14.7%
96.3%	1,810	2,029	219	12.1%
97.5%	800	1,896	1,096	137.0%
98.8%	800	1,064	264	33.0%
100.0%	800	800	0	0.0%

Table SW-38-7a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,286	3,247	4,962	3,508	4,143	3,854	1,060	1,117	2,549	6,539	5,927	4,840
Alternative C	3,771	4,117	4,964	3,553	3,987	3,795	1,065	1,136	2,582	6,523	6,357	5,397
Difference	485	871	2	45	-156	-59	4	19	34	-17	431	557
Percent Difference[3]	14.8%	26.8%	0.0%	1.3%	-3.8%	-1.5%	0.4%	1.7%	1.3%	-0.3%	7.3%	11.5%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,774	3,040	5,919	4,454	5,644	5,782	1,549	1,829	4,066	6,889	7,121	5,992
Alternative C	4,520	4,325	6,063	4,422	5,378	5,671	1,546	1,825	4,071	6,867	7,103	6,551
Difference	746	1,285	144	-31	-266	-111	-3	-4	5	-22	-18	558
Percent Difference	19.8%	42.3%	2.4%	-0.7%	-4.7%	-1.9%	-0.2%	-0.2%	0.1%	-0.3%	-0.3%	9.3%
Above Normal (15%)												
No Action Alternative	3,768	2,932	5,470	3,630	4,169	4,280	879	804	3,029	6,667	7,057	5,790
Alternative C	4,178	4,417	5,202	3,397	3,862	4,205	877	801	3,119	6,411	7,061	6,151
Difference	411	1,485	-268	-233	-307	-74	-2	-3	89	-256	3	361
Percent Difference	10.9%	50.6%	-4.9%	-6.4%	-7.4%	-1.7%	-0.3%	-0.3%	2.9%	-3.8%	0.0%	6.2%
Below Normal (17%)												
No Action Alternative	3,884	4,755	4,867	3,289	4,137	3,980	843	799	1,969	6,950	6,713	4,955
Alternative C	4,303	5,118	4,893	3,158	3,869	3,949	841	798	2,158	6,907	6,665	5,394
Difference	419	363	25	-130	-269	-31	-1	-1	189	-43	-48	439
Percent Difference	10.8%	7.6%	0.5%	-4.0%	-6.5%	-0.8%	-0.2%	-0.1%	9.6%	-0.6%	-0.7%	8.9%
Dry (22%)												
No Action Alternative	2,734	3,566	4,098	3,010	3,034	2,208	867	848	1,534	6,800	5,679	4,216
Alternative C	2,979	3,931	4,086	3,172	2,968	2,169	846	830	1,525	6,846	6,387	5,007
Difference	245	365	-12	162	-67	-38	-21	-18	-9	46	707	791
Percent Difference	9.0%	10.2%	-0.3%	5.4%	-2.2%	-1.7%	-2.4%	-2.1%	-0.6%	0.7%	12.5%	18.8%
Critical (15%)												
No Action Alternative	1,876	1,769	3,786	2,339	2,532	1,575	727	664	979	4,784	1,663	2,197
Alternative C	2,307	2,478	3,744	2,856	2,766	1,578	798	831	902	4,954	3,636	2,734
Difference	431	709	-42	517	234	4	71	167	-77	170	1,973	536
Percent Difference	23.0%	40.1%	-1.1%	22.1%	9.2%	0.2%	9.8%	25.2%	-7.9%	3.6%	118.6%	24.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-38-7b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

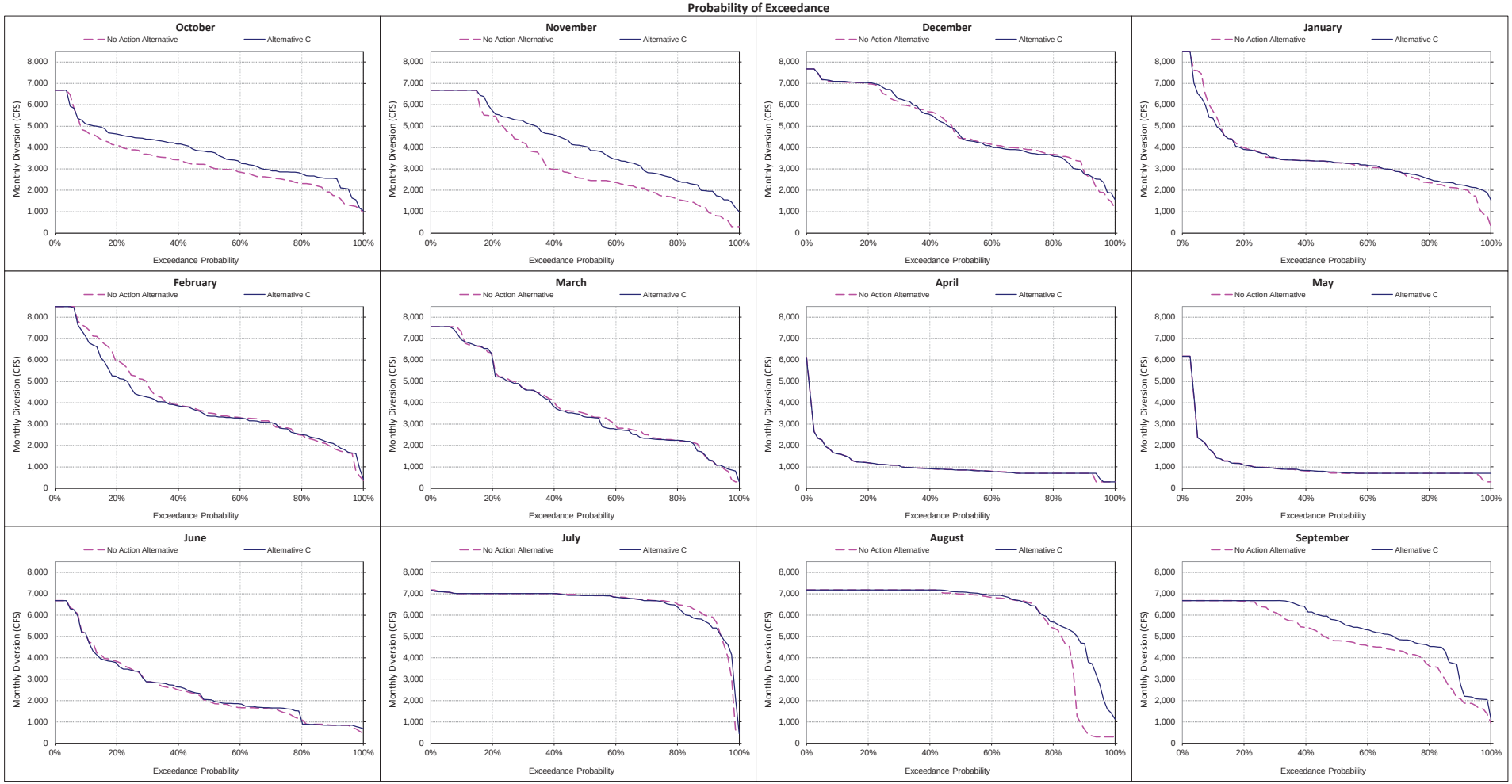

Table SW-38-7b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,473	5,932	-541	-8.4%
6.2%	5,823	5,842	19	0.3%
7.4%	5,401	5,369	-32	-0.6%
8.6%	4,842	5,286	445	9.2%
9.9%	4,780	5,109	329	6.9%
11.1%	4,646	5,061	415	8.9%
12.3%	4,625	5,023	397	8.6%
13.6%	4,520	4,993	473	10.5%
14.8%	4,387	4,959	572	13.0%
16.0%	4,315	4,894	579	13.4%
17.3%	4,262	4,692	430	10.1%
18.5%	4,137	4,663	526	12.7%
19.8%	4,117	4,645	528	12.8%
21.0%	4,065	4,605	540	13.3%
22.2%	3,969	4,558	589	14.8%
23.5%	3,936	4,523	587	14.9%
24.7%	3,893	4,505	613	15.7%
25.9%	3,888	4,466	577	14.8%
27.2%	3,867	4,454	587	15.2%
28.4%	3,694	4,435	741	20.1%
29.6%	3,687	4,388	701	19.0%
30.9%	3,668	4,386	718	19.6%
32.1%	3,605	4,369	764	21.2%
33.3%	3,573	4,336	763	21.4%
34.6%	3,550	4,311	760	21.4%
35.8%	3,539	4,278	739	20.9%
37.0%	3,510	4,225	716	20.4%
38.3%	3,443	4,221	778	22.6%
39.5%	3,428	4,169	742	21.6%
40.7%	3,411	4,166	755	22.1%
42.0%	3,321	4,118	797	24.0%
43.2%	3,280	4,066	786	24.0%
44.4%	3,228	3,941	713	22.1%
45.7%	3,223	3,865	641	19.9%
46.9%	3,211	3,851	640	19.9%
48.1%	3,211	3,838	627	19.5%
49.4%	3,193	3,799	606	19.0%
50.6%	3,073	3,797	724	23.5%
51.9%	3,009	3,745	736	24.5%
53.1%	2,997	3,622	625	20.9%
54.3%	2,983	3,544	561	18.8%
55.6%	2,979	3,459	480	16.1%
56.8%	2,965	3,433	468	15.8%
58.0%	2,952	3,420	468	15.9%
59.3%	2,875	3,384	508	17.7%
60.5%	2,836	3,247	411	14.5%
61.7%	2,802	3,240	438	15.6%
63.0%	2,780	3,196	416	14.9%
64.2%	2,704	3,165	461	17.1%
65.4%	2,647	3,107	460	17.4%
66.7%	2,630	3,032	402	15.3%
67.9%	2,630	2,980	350	13.3%
69.1%	2,612	2,963	351	13.4%
70.4%	2,582	2,913	331	12.8%
71.6%	2,546	2,913	366	14.4%
72.8%	2,537	2,862	325	12.8%
74.1%	2,502	2,858	356	14.2%
75.3%	2,468	2,857	390	15.8%
76.5%	2,445	2,851	406	16.6%
77.8%	2,376	2,849	472	19.9%
79.0%	2,338	2,830	493	21.1%
80.2%	2,318	2,753	435	18.8%
81.5%	2,317	2,680	363	15.7%
82.7%	2,284	2,673	389	17.0%
84.0%	2,257	2,670	413	18.3%
85.2%	2,196	2,608	412	18.7%
86.4%	2,143	2,590	447	20.9%
87.7%	1,919	2,568	650	33.9%
88.9%	1,916	2,564	647	33.8%
90.1%	1,760	2,563	803	45.6%
91.4%	1,743	2,535	792	45.4%
92.6%	1,586	2,116	530	33.4%
93.8%	1,365	2,091	726	53.2%
95.1%	1,316	2,061	745	56.6%
96.3%	1,281	1,635	354	27.6%
97.5%	1,244	1,554	310	24.9%
98.8%	1,101	1,165	64	5.8%
100.0%	978	1,039	61	6.2%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	5,855	6,439	584	10.0%
17.3%	5,520	6,389	869	15.7%
18.5%	5,508	6,005	497	9.0%
19.8%	5,466	5,764	297	5.4%
21.0%	5,465	5,569	104	1.9%
22.2%	5,119	5,526	407	8.0%
23.5%	4,989	5,435	446	8.9%
24.7%	4,758	5,428	671	14.1%
25.9%	4,697	5,360	663	14.1%
27.2%	4,411	5,300	889	20.2%
28.4%	4,384	5,285	901	20.6%
29.6%	4,246	5,266	1,021	24.0%
30.9%	4,171	5,167	996	23.9%
32.1%	3,849	5,093	1,244	32.3%
33.3%	3,807	5,039	1,232	32.4%
34.6%	3,780	4,972	1,193	31.6%
35.8%	3,599	4,749	1,149	31.9%
37.0%	3,234	4,664	1,430	44.2%
38.3%	3,029	4,642	1,613	53.3%
39.5%	2,974	4,618	1,643	55.2%
40.7%	2,973	4,552	1,579	53.1%
42.0%	2,968	4,486	1,518	51.1%
43.2%	2,860	4,412	1,552	54.3%
44.4%	2,839	4,348	1,509	53.1%
45.7%	2,766	4,145	1,379	49.9%
46.9%	2,625	4,122	1,498	57.1%
48.1%	2,576	4,107	1,531	59.5%
49.4%	2,564	4,068	1,505	58.7%
50.6%	2,488	4,035	1,547	62.2%
51.9%	2,451	3,862	1,411	57.6%
53.1%	2,451	3,860	1,409	57.5%
54.3%	2,451	3,831	1,379	56.3%
55.6%	2,451	3,785	1,333	54.4%
56.8%	2,451	3,661	1,210	49.4%
58.0%	2,419	3,554	1,134	46.9%
59.3%	2,383	3,462	1,079	45.3%
60.5%	2,354	3,442	1,088	46.2%
61.7%	2,285	3,373	1,088	47.6%
63.0%	2,263	3,355	1,092	48.2%
64.2%	2,215	3,293	1,079	48.7%
65.4%	2,205	3,277	1,073	48.7%
66.7%	2,123	3,212	1,089	51.3%
67.9%	2,114	3,142	1,028	48.6%
69.1%	2,100	2,924	824	39.3%
70.4%	1,977	2,822	845	42.7%
71.6%	1,924	2,815	891	46.3%
72.8%	1,872	2,788	915	48.9%
74.1%	1,773	2,753	980	55.3%
75.3%	1,725	2,695	970	56.2%
76.5%	1,717	2,647	930	54.1%
77.8%	1,702	2,615	913	53.6%
79.0%	1,639	2,487	848	51.8%
80.2%	1,565	2,438	874	55.8%
81.5%	1,532	2,376	844	55.1%
82.7%	1,494	2,368	875	58.5%
84.0%	1,462	2,313	850	58.2%
85.2%	1,440	2,285	845	58.7%
86.4%	1,317	2,258	942	71.5%
87.7%	1,231	1,998	767	62.3%
88.9%	1,202	1,977	775	64.5%
90.1%	948	1,958	1,010	106.6%
91.4%	900	1,955	1,056	117.4%
92.6%	812	1,750	937	115.4%
93.8%	790	1,705	915	115.8%
95.1%	649	1,556	907	139.7%
96.3%	587	1,551	965	164.4%
97.5%	300	1,454	1,154	384.5%
98.8%	300	1,192	892	297.2%
100.0%	300	1,003	703	234.3%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,492	7,492	0	0.0%
4.9%	7,181	7,181	0	0.0%
6.2%	7,170	7,170	0	0.0%
7.4%	7,099	7,146	47	0.7%
8.6%	7,097	7,099	2	0.0%
9.9%	7,069	7,097	28	0.4%
11.1%	7,067	7,092	25	0.4%
12.3%	7,066	7,091	25	0.4%
13.6%	7,046	7,067	21	0.3%
14.8%	7,043	7,066	23	0.3%
16.0%	7,041	7,046	5	0.1%
17.3%	7,034	7,043	9	0.1%
18.5%	7,022	7,041	19	0.3%
19.8%	6,979	7,034	55	0.8%
21.0%	6,974	7,022	48	0.7%
22.2%	6,939	6,974	35	0.5%
23.5%	6,811	6,939	129	1.9%
24.7%	6,536	6,807	271	4.1%
25.9%	6,455	6,722	267	4.1%
27.2%	6,298	6,715	418	6.6%
28.4%	6,215	6,487	273	4.4%
29.6%	6,164	6,287	123	2.0%
30.9%	5,995	6,256	261	4.4%
32.1%	5,986	6,181	195	3.3%
33.3%	5,948	6,161	213	3.6%
34.6%	5,922	5,994	72	1.2%
35.8%	5,816	5,939	122	2.1%
37.0%	5,795	5,696	-99	-1.7%
38.3%	5,750	5,586	-164	-2.9%
39.5%	5,670	5,565	-106	-1.9%
40.7%	5,659	5,495	-164	-2.9%
42.0%	5,594	5,351	-243	-4.3%
43.2%	5,486	5,223	-263	-4.8%
44.4%	5,351	5,150	-201	-3.8%
45.7%	5,166	5,021	-145	-2.8%
46.9%	5,049	4,931	-118	-2.3%
48.1%	4,672	4,840	168	3.6%
49.4%	4,451	4,625	174	3.9%
50.6%	4,421	4,401	-20	-0.5%
51.9%	4,414	4,333	-81	-1.8%
53.1%	4,401	4,306	-96	-2.2%
54.3%	4,334	4,283	-51	-1.2%
55.6%	4,283	4,234	-49	-1.1%
56.8%	4,234	4,208	-26	-0.6%
58.0%	4,208	4,097	-111	-2.6%
59.3%	4,165	4,096	-70	-1.7%
60.5%	4,136	4,004	-132	-3.2%
61.7%	4,097	4,003	-93	-2.3%
63.0%	4,080	3,976	-104	-2.5%
64.2%	4,027	3,943	-84	-2.1%
65.4%	4,004	3,904	-100	-2.5%
66.7%	4,003	3,903	-100	-2.5%
67.9%	3,992	3,899	-92	-2.3%
69.1%	3,976	3,886	-90	-2.3%
70.4%	3,943	3,829	-114	-2.9%
71.6%	3,904	3,775	-129	-3.3%
72.8%	3,899	3,729	-170	-4.4%
74.1%	3,886	3,710	-176	-4.5%
75.3%	3,829	3,681	-148	-3.9%
76.5%	3,775	3,674	-101	-2.7%
77.8%	3,710	3,674	-36	-1.0%
79.0%	3,674	3,659	-15	-0.4%
80.2%	3,674	3,586	-89	-2.4%
81.5%	3,659	3,582	-77	-2.1%
82.7%	3,586	3,531	-54	-1.5%
84.0%	3,583	3,392	-190	-5.3%
85.2%	3,531	3,239	-292	-8.3%
86.4%	3,426	3,022	-404	-11.8%
87.7%	3,383	2,987	-395	-11.7%
88.9%	3,356	2,968	-388	-11.6%
90.1%	2,779	2,736	-42	-1.5%
91.4%	2,643	2,732	88	3.3%
92.6%	2,549	2,624	74	2.9%
93.8%	2,132	2,529	397	18.6%
95.1%	1,913	2,519	606	31.6%
96.3%	1,901	2,379	478	25.2%
97.5%	1,614	1,894	280	17.3%
98.8%	1,455	1,877	423	29.1%
100.0%	1,149	1,566	418	36.4%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	7,621	7,029	-592	-7.8%
4.9%	7,589	6,529	-1,060	-14.0%
6.2%	7,449	6,323	-1,126	-15.1%
7.4%	6,529	5,994	-535	-8.2%
8.6%	6,020	5,409	-611	-10.2%
9.9%	5,718	5,379	-339	-5.9%
11.1%	5,438	4,987	-451	-8.3%
12.3%	5,014	4,837	-177	-3.5%
13.6%	4,564	4,564	0	0.0%
14.8%	4,438	4,425	-13	-0.3%
16.0%	4,404	4,390	-13	-0.3%
17.3%	4,230	4,063	-167	-3.9%
18.5%	4,063	4,010	-53	-1.3%
19.8%	4,014	3,921	-94	-2.3%
21.0%	3,934	3,888	-46	-1.2%
22.2%	3,888	3,880	-8	-0.2%
23.5%	3,880	3,840	-40	-1.0%
24.7%	3,800	3,778	-22	-0.6%
25.9%	3,729	3,729	0	0.0%
27.2%	3,554	3,712	158	4.5%
28.4%	3,545	3,554	9	0.2%
29.6%	3,490	3,545	54	1.6%
30.9%	3,489	3,489	0	0.0%
32.1%	3,442	3,442	0	0.0%
33.3%	3,426	3,426	0	0.0%
34.6%	3,424	3,424	0	0.0%
35.8%	3,414	3,414	0	0.0%
37.0%	3,410	3,410	0	0.0%
38.3%	3,397	3,397	0	0.0%
39.5%	3,392	3,392	0	0.0%
40.7%	3,389	3,389	0	0.0%
42.0%	3,386	3,386	0	0.0%
43.2%	3,375	3,375	0	0.0%
44.4%	3,374	3,374	0	0.0%
45.7%	3,370	3,370	0	0.0%
46.9%	3,351	3,354	3	0.1%
48.1%	3,298	3,351	53	1.6%
49.4%	3,291	3,298	7	0.2%
50.6%	3,285	3,291	6	0.2%
51.9%	3,269	3,285	17	0.5%
53.1%	3,260	3,269	9	0.3%
54.3%	3,246	3,259	13	0.4%
55.6%	3,190	3,250	59	1.9%
56.8%	3,162	3,246	85	2.7%
58.0%	3,142	3,190	48	1.5%
59.3%	3,142	3,189	47	1.5%
60.5%	3,080	3,162	82	2.7%
61.7%	3,060	3,142	82	2.7%
63.0%	3,056	3,141	85	2.8%
64.2%	3,044	3,060	16	0.5%
65.4%	2,986	2,999	13	0.4%
66.7%	2,980	2,986	6	0.2%
67.9%	2,968	2,980	12	0.4%
69.1%	2,880	2,880	0	0.0%
70.4%	2,873	2,873	0	0.0%
71.6%	2,803	2,805	2	0.1%
72.8%	2,638	2,803	165	6.3%
74.1%	2,634	2,756	122	4.6%
75.3%	2,563	2,743	180	7.0%
76.5%	2,522	2,690	169	6.7%
77.8%	2,387	2,634	247	10.4%
79.0%	2,373	2,563	190	8.0%
80.2%	2,346	2,522	176	7.5%
81.5%	2,339	2,441	102	4.4%
82.7%	2,268	2,439	170	7.5%
84.0%	2,261	2,387	127	5.6%
85.2%	2,186	2,373	187	8.5%
86.4%	2,136	2,362	227	10.6%
87.7%	2,121	2,346	225	10.6%
88.9%	2,110	2,268	159	7.5%
90.1%	2,048	2,261	213	10.4%
91.4%	2,046	2,230	183	9.0%
92.6%	1,993	2,186	194	9.7%
93.8%	1,748	2,136	388	22.2%
95.1%	1,730	2,121	391	22.6%
96.3%	1,110	2,048	937	84.4%
97.5%	897	1,993	1,096	122.1%
98.8%	823	1,889	1,066	129.5%
100.0%	300	1,543	1,243	414.3%

Table SW-38-7b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,437	-63	-0.7%
7.4%	7,829	7,655	-174	-2.2%
8.6%	7,655	7,379	-276	-3.6%
9.9%	7,556	7,119	-437	-5.8%
11.1%	7,390	6,804	-586	-7.9%
12.3%	7,119	6,705	-414	-5.8%
13.6%	7,111	6,616	-495	-7.0%
14.8%	6,901	6,126	-774	-11.2%
16.0%	6,756	5,913	-843	-12.5%
17.3%	6,616	5,600	-1,016	-15.4%
18.5%	6,391	5,259	-1,133	-17.7%
19.8%	5,938	5,251	-687	-11.6%
21.0%	5,914	5,123	-790	-13.4%
22.2%	5,784	5,100	-685	-11.8%
23.5%	5,624	5,007	-616	-11.0%
24.7%	5,288	4,684	-604	-11.4%
25.9%	5,251	4,425	-827	-15.7%
27.2%	5,123	4,355	-769	-15.0%
28.4%	5,100	4,320	-780	-15.3%
29.6%	5,008	4,271	-738	-14.7%
30.9%	4,622	4,237	-385	-8.3%
32.1%	4,408	4,170	-238	-5.4%
33.3%	4,320	4,050	-269	-6.2%
34.6%	4,251	4,047	-204	-4.8%
35.8%	4,047	4,032	-14	-0.4%
37.0%	4,032	3,932	-100	-2.5%
38.3%	3,932	3,915	-18	-0.4%
39.5%	3,909	3,870	-39	-1.0%
40.7%	3,870	3,834	-36	-0.9%
42.0%	3,831	3,812	-19	-0.5%
43.2%	3,812	3,797	-15	-0.4%
44.4%	3,797	3,712	-85	-2.2%
45.7%	3,711	3,646	-65	-1.8%
46.9%	3,646	3,600	-46	-1.2%
48.1%	3,600	3,485	-115	-3.2%
49.4%	3,520	3,377	-143	-4.1%
50.6%	3,505	3,376	-130	-3.7%
51.9%	3,486	3,366	-119	-3.4%
53.1%	3,383	3,337	-46	-1.4%
54.3%	3,377	3,335	-43	-1.3%
55.6%	3,376	3,316	-59	-1.8%
56.8%	3,348	3,307	-41	-1.2%
58.0%	3,335	3,285	-49	-1.5%
59.3%	3,316	3,283	-34	-1.0%
60.5%	3,285	3,280	-5	-0.2%
61.7%	3,283	3,252	-31	-0.9%
63.0%	3,268	3,161	-107	-3.3%
64.2%	3,257	3,152	-105	-3.2%
65.4%	3,252	3,150	-102	-3.1%
66.7%	3,161	3,096	-65	-2.1%
67.9%	3,152	3,086	-66	-2.1%
69.1%	3,150	3,081	-69	-2.2%
70.4%	3,000	3,058	58	1.9%
71.6%	2,861	3,000	138	4.8%
72.8%	2,856	2,809	-47	-1.6%
74.1%	2,825	2,788	-37	-1.3%
75.3%	2,821	2,773	-47	-1.7%
76.5%	2,777	2,621	-157	-5.6%
77.8%	2,537	2,571	34	1.4%
79.0%	2,499	2,537	38	1.5%
80.2%	2,482	2,499	17	0.7%
81.5%	2,331	2,482	150	6.5%
82.7%	2,312	2,395	83	3.6%
84.0%	2,270	2,365	95	4.2%
85.2%	2,197	2,331	134	6.1%
86.4%	2,136	2,270	134	6.3%
87.7%	2,102	2,197	95	4.5%
88.9%	1,997	2,136	139	6.9%
90.1%	1,872	2,102	230	12.3%
91.4%	1,804	1,997	193	10.7%
92.6%	1,728	1,872	144	8.4%
93.8%	1,691	1,804	114	6.7%
95.1%	1,650	1,691	40	2.4%
96.3%	1,631	1,648	17	1.1%
97.5%	807	1,631	824	102.1%
98.8%	553	911	357	64.6%
100.0%	366	431	65	17.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,448	-113	-1.5%
8.6%	7,525	7,231	-294	-3.9%
9.9%	7,317	6,950	-366	-5.0%
11.1%	6,790	6,865	75	1.1%
12.3%	6,711	6,798	87	1.3%
13.6%	6,698	6,746	49	0.7%
14.8%	6,659	6,659	0	0.0%
16.0%	6,617	6,657	40	0.6%
17.3%	6,569	6,544	-25	-0.4%
18.5%	6,373	6,541	168	2.6%
19.8%	6,341	6,293	-48	-0.8%
21.0%	5,383	5,211	-172	-3.2%
22.2%	5,212	5,206	-5	-0.1%
23.5%	5,206	5,149	-57	-1.1%
24.7%	5,149	5,034	-116	-2.3%
25.9%	5,033	4,988	-46	-0.9%
27.2%	4,994	4,907	-86	-1.7%
28.4%	4,899	4,899	0	0.0%
29.6%	4,717	4,704	-13	-0.3%
30.9%	4,611	4,591	-19	-0.4%
32.1%	4,591	4,590	-2	0.0%
33.3%	4,576	4,576	0	0.0%
34.6%	4,467	4,469	3	0.1%
35.8%	4,432	4,330	-102	-2.3%
37.0%	4,330	4,199	-131	-3.0%
38.3%	4,199	4,127	-72	-1.7%
39.5%	4,138	3,865	-273	-6.6%
40.7%	3,865	3,710	-155	-4.0%
42.0%	3,710	3,633	-77	-2.1%
43.2%	3,644	3,602	-42	-1.2%
44.4%	3,633	3,524	-109	-3.0%
45.7%	3,607	3,523	-84	-2.3%
46.9%	3,602	3,484	-118	-3.3%
48.1%	3,567	3,465	-102	-2.8%
49.4%	3,523	3,356	-167	-4.7%
50.6%	3,465	3,325	-140	-4.0%
51.9%	3,378	3,317	-61	-1.8%
53.1%	3,325	3,296	-29	-0.9%
54.3%	3,317	3,290	-27	-0.8%
55.6%	3,296	2,884	-412	-12.5%
56.8%	3,290	2,821	-469	-14.3%
58.0%	3,156	2,786	-369	-11.7%
59.3%	3,063	2,784	-280	-9.1%
60.5%	2,815	2,739	-77	-2.7%
61.7%	2,808	2,726	-83	-2.9%
63.0%	2,794	2,706	-88	-3.2%
64.2%	2,773	2,690	-83	-3.0%
65.4%	2,726	2,513	-213	-7.8%
66.7%	2,705	2,503	-203	-7.5%
67.9%	2,690	2,372	-317	-11.8%
69.1%	2,513	2,343	-170	-6.8%
70.4%	2,503	2,332	-170	-6.8%
71.6%	2,372	2,314	-58	-2.5%
72.8%	2,343	2,288	-55	-2.3%
74.1%	2,314	2,281	-33	-1.4%
75.3%	2,288	2,279	-9	-0.4%
76.5%	2,281	2,251	-31	-1.3%
77.8%	2,275	2,248	-27	-1.2%
79.0%	2,241	2,241	0	0.0%
80.2%	2,235	2,240	5	0.2%
81.5%	2,206	2,235	29	1.3%
82.7%	2,195	2,197	1	0.1%
84.0%	2,157	2,195	38	1.7%
85.2%	2,137	2,079	-58	-2.7%
86.4%	2,079	1,741	-338	-16.3%
87.7%	1,741	1,711	-30	-1.7%
88.9%	1,505	1,560	55	3.7%
90.1%	1,297	1,334	37	2.8%
91.4%	1,271	1,297	26	2.1%
92.6%	1,084	1,084	0	0.0%
93.8%	1,079	1,079	0	0.0%
95.1%	903	997	95	10.5%
96.3%	798	903	104	13.1%
97.5%	402	857	454	113.0%
98.8%	300	809	509	169.7%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	4,375	4,375	0	0.0%
2.5%	2,655	2,646	-9	-0.3%
3.7%	2,347	2,338	-9	-0.4%
4.9%	2,269	2,260	-9	-0.4%
6.2%	1,951	1,942	-9	-0.5%
7.4%	1,852	1,843	-9	-0.5%
8.6%	1,665	1,656	-9	-0.6%
9.9%	1,625	1,616	-9	-0.6%
11.1%	1,592	1,592	0	0.0%
12.3%	1,527	1,518	-9	-0.6%
13.6%	1,470	1,461	-9	-0.6%
14.8%	1,297	1,292	-5	-0.4%
16.0%	1,239	1,239	0	0.0%
17.3%	1,221	1,221	0	0.0%
18.5%	1,221	1,212	-9	-0.7%
19.8%	1,195	1,195	0	0.0%
21.0%	1,157	1,180	23	2.0%
22.2%	1,119	1,148	28	2.5%
23.5%	1,111	1,119	9	0.8%
24.7%	1,102	1,111	9	0.8%
25.9%	1,099	1,099	0	0.0%
27.2%	1,085	1,085	0	0.0%
28.4%	1,083	1,083	0	0.0%
29.6%	1,076	1,076	0	0.0%
30.9%	1,003	995	-9	-0.9%
32.1%	974	974	0	0.0%
33.3%	970	970	0	0.0%
34.6%	950	949	0	0.0%
35.8%	949	947	-3	-0.3%
37.0%	947	940	-7	-0.7%
38.3%	931	922	-9	-0.9%
39.5%	919	919	0	0.0%
40.7%	916	916	0	0.0%
42.0%	904	904	0	0.0%
43.2%	893	893	0	0.0%
44.4%	893	893	0	0.0%
45.7%	880	881	0	0.0%
46.9%	878	878	0	0.0%
48.1%	861	856	-5	-0.6%
49.4%	856	855	-1	-0.1%
50.6%	855	852	-3	-0.3%
51.9%	853	852	0	0.0%
53.1%	852	847	-5	-0.6%
54.3%	847	819	-29	-3.4%
55.6%	819	817	-2	-0.2%
56.8%	817	817	0	0.0%
58.0%	816	802	-14	-1.7%
59.3%	802	790	-12	-1.5%
60.5%	791	777	-14	-1.7%
61.7%	777	766	-11	-1.4%
63.0%	766	765	-1	-0.2%
64.2%	764	753	-11	-1.5%
65.4%	750	740	-10	-1.3%
66.7%	734	732	-2	-0.2%
67.9%	724	700	-24	-3.3%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	300	700	400	133.3%
95.1%	300	447	147	48.9%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	6,177	6,177	0	0.0%
3.7%	4,356	4,356	0	0.0%
4.9%	2,373	2,360	-13	-0.6%
6.2%	2,265	2,252	-13	-0.6%
7.4%	2,102	2,089	-13	-0.6%
8.6%	1,825	1,812	-13	-0.7%
9.9%	1,711	1,697	-13	-0.8%
11.1%	1,424	1,410	-13	-0.9%
12.3%	1,389	1,375	-13	-1.0%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,269	-6	-0.4%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	1	0.0%
19.8%	1,133	1,087	-46	-4.1%
21.0%	1,064	1,065	0	0.0%
22.2%	1,044	1,031	-13	-1.2%
23.5%	990	990	0	0.0%
24.7%	984	982	-2	-0.2%
25.9%	982	971	-11	-1.1%
27.2%	967	967	0	0.0%
28.4%	959	960	0	0.0%
29.6%	943	942	-1	-0.1%
30.9%	916	916	1	0.1%
32.1%	905	903	-2	-0.2%
33.3%	890	890	0	0.0%
34.6%	885	888	3	0.3%
35.8%	885	885	0	0.1%
37.0%	855	885	29	3.4%
38.3%	835	848	13	1.6%
39.5%	815	837	22	2.7%
40.7%	804	835	30	3.8%
42.0%	793	815	22	2.7%
43.2%	770	811	41	5.3%
44.4%	764	795	30	4.0%
45.7%	754	793	39	5.2%
46.9%	752	769	17	2.3%
48.1%	714	764	50	7.1%
49.4%	711	756	45	6.3%
50.6%	710	749	38	5.4%
51.9%	703	737	35	4.9%
53.1%	700	714	14	2.1%
54.3%	700	711	11	1.5%
55.6%	700	711	11	1.5%
56.8%	700	703	3	0.4%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	678	700	22	3.2%
96.3%	599	700	101	16.9%
97.5%	360	700	340	94.3%
98.8%	300	700	400	133.3%
100.0%	300	700	400	133.3%

Table SW-38-7b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,357	6,294	-63	-1.0%
6.2%	6,257	6,255	-1	0.0%
7.4%	6,033	5,971	-62	-1.0%
8.6%	5,234	5,180	-55	-1.0%
9.9%	5,149	5,172	24	0.5%
11.1%	4,712	4,681	-31	-0.7%
12.3%	4,708	4,313	-395	-8.4%
13.6%	4,233	4,134	-99	-2.3%
14.8%	4,171	3,953	-219	-5.2%
16.0%	3,965	3,901	-64	-1.6%
17.3%	3,953	3,847	-106	-2.7%
18.5%	3,901	3,825	-76	-1.9%
19.8%	3,847	3,782	-65	-1.7%
21.0%	3,782	3,563	-220	-5.8%
22.2%	3,645	3,476	-170	-4.7%
23.5%	3,561	3,474	-87	-2.4%
24.7%	3,476	3,419	-57	-1.6%
25.9%	3,378	3,378	0	0.0%
27.2%	3,325	3,359	35	1.0%
28.4%	3,129	3,078	-51	-1.6%
29.6%	2,877	2,877	0	0.0%
30.9%	2,873	2,873	0	0.0%
32.1%	2,849	2,843	-6	-0.2%
33.3%	2,789	2,832	44	1.6%
34.6%	2,675	2,813	138	5.2%
35.8%	2,638	2,789	151	5.7%
37.0%	2,606	2,734	128	4.9%
38.3%	2,595	2,720	125	4.8%
39.5%	2,523	2,638	115	4.5%
40.7%	2,466	2,631	165	6.7%
42.0%	2,464	2,574	110	4.5%
43.2%	2,400	2,463	64	2.7%
44.4%	2,348	2,399	51	2.2%
45.7%	2,322	2,348	26	1.1%
46.9%	2,238	2,333	95	4.3%
48.1%	2,041	2,055	14	0.7%
49.4%	1,969	2,041	72	3.7%
50.6%	1,928	2,038	110	5.7%
51.9%	1,858	1,953	95	5.1%
53.1%	1,837	1,928	91	5.0%
54.3%	1,827	1,873	46	2.5%
55.6%	1,826	1,872	46	2.5%
56.8%	1,746	1,863	117	6.7%
58.0%	1,723	1,858	135	7.8%
59.3%	1,677	1,849	172	10.3%
60.5%	1,668	1,837	169	10.1%
61.7%	1,667	1,731	64	3.9%
63.0%	1,666	1,730	64	3.8%
64.2%	1,665	1,723	58	3.5%
65.4%	1,653	1,691	38	2.3%
66.7%	1,651	1,677	27	1.6%
67.9%	1,640	1,668	28	1.7%
69.1%	1,610	1,666	55	3.4%
70.4%	1,599	1,657	59	3.7%
71.6%	1,595	1,653	59	3.7%
72.8%	1,506	1,650	145	9.6%
74.1%	1,442	1,640	198	13.7%
75.3%	1,416	1,610	194	13.7%
76.5%	1,320	1,595	275	20.8%
77.8%	1,206	1,520	314	26.1%
79.0%	1,153	1,506	353	30.6%
80.2%	1,080	892	-188	-17.4%
81.5%	892	892	0	0.0%
82.7%	892	885	-7	-0.8%
84.0%	892	880	-12	-1.4%
85.2%	892	872	-20	-2.2%
86.4%	886	856	-29	-3.3%
87.7%	880	851	-29	-3.2%
88.9%	851	846	-5	-0.6%
90.1%	846	846	0	0.0%
91.4%	846	846	0	0.0%
92.6%	844	844	0	0.0%
93.8%	840	840	0	0.0%
95.1%	840	840	0	0.0%
96.3%	733	840	106	14.5%
97.5%	680	792	112	16.5%
98.8%	558	733	175	31.4%
100.0%	455	680	225	49.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,115	-65	-0.9%
2.5%	7,115	7,092	-23	-0.3%
3.7%	7,092	7,092	0	0.0%
4.9%	7,077	7,077	0	0.0%
6.2%	7,073	7,065	-7	-0.1%
7.4%	7,030	7,026	-5	-0.1%
8.6%	7,005	7,005	0	0.0%
9.9%	7,005	7,005	0	0.0%
11.1%	7,005	7,005	0	0.0%
12.3%	7,005	7,005	0	0.0%
13.6%	7,005	7,005	0	0.0%
14.8%	7,005	7,005	0	0.0%
16.0%	7,005	7,005	0	0.0%
17.3%	7,005	7,005	0	0.0%
18.5%	7,005	7,005	0	0.0%
19.8%	7,005	7,005	0	0.0%
21.0%	7,005	7,005	0	0.0%
22.2%	7,005	7,005	0	0.0%
23.5%	7,005	7,005	0	0.0%
24.7%	7,005	7,005	0	0.0%
25.9%	7,005	7,005	0	0.0%
27.2%	7,005	7,005	0	0.0%
28.4%	7,005	7,005	0	0.0%
29.6%	7,005	7,005	0	0.0%
30.9%	7,005	7,005	0	0.0%
32.1%	7,005	7,005	0	0.0%
33.3%	7,005	7,005	0	0.0%
34.6%	7,005	7,005	0	0.0%
35.8%	7,005	7,005	0	0.0%
37.0%	7,005	7,005	0	0.0%
38.3%	7,005	7,005	0	0.0%
39.5%	7,005	7,005	0	0.0%
40.7%	7,002	7,005	3	0.0%
42.0%	6,994	6,970	-24	-0.3%
43.2%	6,983	6,961	-22	-0.3%
44.4%	6,976	6,929	-47	-0.7%
45.7%	6,972	6,929	-44	-0.6%
46.9%	6,970	6,929	-41	-0.6%
48.1%	6,929	6,927	-2	0.0%
49.4%	6,929	6,915	-14	-0.2%
50.6%	6,929	6,915	-14	-0.2%
51.9%	6,929	6,915	-14	-0.2%
53.1%	6,915	6,915	0	0.0%
54.3%	6,915	6,915	0	0.0%
55.6%	6,915	6,915	0	0.0%
56.8%	6,915	6,907	-8	-0.1%
58.0%	6,915	6,901	-14	-0.2%
59.3%	6,852	6,843	-10	-0.1%
60.5%	6,843	6,829	-14	-0.2%
61.7%	6,841	6,804	-38	-0.5%
63.0%	6,829	6,793	-36	-0.5%
64.2%	6,781	6,781	0	0.0%
65.4%	6,764	6,771	7	0.1%
66.7%	6,763	6,744	-19	-0.3%
67.9%	6,736	6,727	-9	-0.1%
69.1%	6,731	6,681	-51	-0.8%
70.4%	6,713	6,680	-33	-0.5%
71.6%	6,690	6,680	-10	-0.1%
72.8%	6,680	6,680	0	0.0%
74.1%	6,680	6,659	-21	-0.3%
75.3%	6,680	6,615	-65	-1.0%
76.5%	6,643	6,523	-120	-1.8%
77.8%	6,614	6,484	-130	-2.0%
79.0%	6,602	6,478	-124	-1.9%
80.2%	6,485	6,340	-146	-2.2%
81.5%	6,456	6,157	-299	-4.6%
82.7%	6,410	5,996	-413	-6.4%
84.0%	6,406	5,979	-427	-6.7%
85.2%	6,278	5,855	-422	-6.7%
86.4%	6,226	5,821	-405	-6.5%
87.7%	6,104	5,816	-288	-4.7%
88.9%	5,987	5,702	-285	-4.8%
90.1%	5,954	5,607	-347	-5.8%
91.4%	5,906	5,396	-510	-8.6%
92.6%	5,651	5,394	-257	-4.5%
93.8%	5,118	5,098	-20	-0.4%
95.1%	4,589	4,827	238	5.2%
96.3%	4,035	4,619	584	14.5%
97.5%	3,026	4,150	1,124	37.1%
98.8%	635	2,155	1,520	239.6%
100.0%	459	444	-16	-3.4%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,180	0	0.0%
2.5%	7,180	7,180	0	0.0%
3.7%	7,180	7,180	0	0.0%
4.9%	7,180	7,180	0	0.0%
6.2%	7,180	7,180	0	0.0%
7.4%	7,180	7,180	0	0.0%
8.6%	7,180	7,180	0	0.0%
9.9%	7,180	7,180	0	0.0%
11.1%	7,180	7,180	0	0.0%
12.3%	7,180	7,180	0	0.0%
13.6%	7,180	7,180	0	0.0%
14.8%	7,180	7,180	0	0.0%
16.0%	7,180	7,180	0	0.0%
17.3%	7,180	7,180	0	0.0%
18.5%	7,180	7,180	0	0.0%
19.8%	7,180	7,180	0	0.0%
21.0%	7,180	7,180	0	0.0%
22.2%	7,180	7,180	0	0.0%
23.5%	7,180	7,180	0	0.0%
24.7%	7,180	7,180	0	0.0%
25.9%	7,180	7,180	0	0.0%
27.2%	7,180	7,180	0	0.0%
28.4%	7,180	7,180	0	0.0%
29.6%	7,180	7,180	0	0.0%
30.9%	7,180	7,180	0	0.0%
32.1%	7,180	7,180	0	0.0%
33.3%	7,180	7,180	0	0.0%
34.6%	7,180	7,180	0	0.0%
35.8%	7,180	7,180	0	0.0%
37.0%	7,180	7,180	0	0.0%
38.3%	7,180	7,180	0	0.0%
39.5%	7,180	7,180	0	0.0%
40.7%	7,180	7,180	0	0.0%
42.0%	7,180	7,180	0	0.0%
43.2%	7,080	7,180	100	1.4%
44.4%	7,030	7,165	135	1.9%
45.7%	7,030	7,145	115	1.6%
46.9%	7,027	7,111	84	1.2%
48.1%	7,020	7,098	78	1.1%
49.4%	6,980	7,080	100	1.4%
50.6%	6,980	7,080	99	1.4%
51.9%	6,972	7,071	99	1.4%
53.1%	6,971	7,044	74	1.1%
54.3%	6,948	7,030	81	1.2%
55.6%	6,934	7,027	93	1.3%
56.8%	6,906	6,980	74	1.1%
58.0%	6,874	6,975	100	1.5%
59.3%	6,836	6,930	94	1.4%
60.5%	6,830	6,930	100	1.5%
61.7%	6,806	6,930	124	1.8%
63.0%	6,795	6,930	135	2.0%
64.2%	6,772	6,882	110	1.6%
65.4%	6,767	6,830	63	0.9%
66.7%	6,721	6,735	14	0.2%
67.9%	6,691	6,707	16	0.2%
69.1%	6,680	6,680	0	0.0%
70.4%	6,660	6,608	-52	-0.8%
71.6%	6,603	6,546	-57	-0.9%
72.8%	6,555	6,438	-117	-1.8%
74.1%	6,429	6,427	-2	0.0%
75.3%	6,180	6,135	-45	-0.7%
76.5%	5,937	6,004	66	1.1%
77.8%	5,696	5,944	248	4.4%
79.0%	5,436	5,694	257	4.7%
80.2%	5,383	5,664	282	5.2%
81.5%	5,295	5,566	272	5.1%
82.7%	4,955	5,470	515	10.4%
84.0%	4,622	5,391	768	16.6%
85.2%	4,520	5,310	791	17.5%
86.4%	3,418	5,204	1,786	52.3%
87.7%	1,261	5,009	3,748	297.3%
88.9%	928	4,690	3,762	405.3%
90.1%	636	4,668	4,032	634.3%
91.4%	394	3,794	3,400	863.3%
92.6%	341	3,722	3,382	992.5%
93.8%	300	3,241	2,941	980.2%
95.1%	300	2,741	2,441	813.8%
96.3%	300	2,047	1,747	582.3%
97.5%	300	1,598	1,298	432.7%
98.8%	300	1,419	1,119	372.9%
100.0%	300	1,135	835	278.3%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative C Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,659	6,680	21	0.3%
19.8%	6,635	6,680	45	0.7%
21.0%	6,624	6,680	56	0.8%
22.2%	6,619	6,680	61	0.9%
23.5%	6,613	6,680	67	1.0%
24.7%	6,391	6,680	289	4.5%
25.9%	6,388	6,680	292	4.6%
27.2%	6,372	6,680	308	4.8%
28.4%	6,172	6,680	508	8.2%
29.6%	6,138	6,680	542	8.8%
30.9%	6,075	6,680	605	10.0%
32.1%	5,965	6,680	715	12.0%
33.3%	5,803	6,669	867	14.9%
34.6%	5,732	6,624	892	15.6%
35.8%	5,723	6,573	850	14.9%
37.0%	5,680	6,501	821	14.5%
38.3%	5,451	6,433	982	18.0%
39.5%	5,426	6,420	995	18.3%
40.7%	5,422	6,141	719	13.3%
42.0%	5,347	6,137	791	14.8%
43.2%	5,268	6,043	775	14.7%
44.4%	5,158	5,995	837	16.2%
45.7%	5,009	5,958	949	18.9%
46.9%	4,939	5,948	1,009	20.4%
48.1%	4,840	5,804	965	19.9%
49.4%	4,801	5,781	979	20.4%
50.6%	4,800	5,726	926	19.3%
51.9%	4,792	5,637	845	17.6%
53.1%	4,773	5,527	754	15.8%
54.3%	4,750	5,491	742	15.6%
55.6%	4,717	5,435	717	15.2%
56.8%	4,633	5,432	799	17.3%
58.0%	4,613	5,381	768	16.6%
59.3%	4,597	5,326	729	15.9%
60.5%	4,531	5,294	763	16.8%
61.7%	4,524	5,234	710	15.7%
63.0%	4,502	5,185	683	15.2%
64.2%	4,500	5,173	673	15.0%
65.4%	4,443	5,104	662	14.9%
66.7%	4,410	5,099	690	15.6%
67.9%	4,383	5,050	667	15.2%
69.1%	4,340	4,930	590	13.6%
70.4%	4,330	4,846	516	11.9%
71.6%	4,298	4,842	544	12.7%
72.8%	4,184	4,839	655	15.6%
74.1%	4,151	4,802	651	15.7%
75.3%	4,145	4,707	562	13.6%
76.5%	4,091	4,653	562	13.7%
77.8%	3,972	4,637	664	16.7%
79.0%	3,740	4,614	874	23.4%
80.2%	3,595	4,529	934	26.0%
81.5%	3,591	4,523	932	25.9%
82.7%	3,550	4,503	953	26.8%
84.0%	3,241	4,489	1,248	38.5%
85.2%	2,986	4,298	1,312	44.0%
86.4%	2,649	3,787	1,137	42.9%
87.7%	2,499	3,740	1,241	49.7%
88.9%	2,129	3,699	1,570	73.7%
90.1%	2,093	2,741	647	30.9%
91.4%	1,877	2,198	321	17.1%
92.6%	1,877	2,182	305	16.3%
93.8%	1,862	2,162	300	16.1%
95.1%	1,763	2,083	319	18.1%
96.3%	1,613	2,067	455	28.2%
97.5%	1,600	2,063	463	28.9%
98.8%	1,375	2,041	666	48.4%
100.0%	943	1,122	179	18.9%

Table SW-41-7a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	653	784	1,113	1,328	1,477	1,572	1,332	992	668	583	513	584
Alternative C	671	850	1,165	1,371	1,510	1,581	1,330	975	633	538	479	577
Difference	18	66	52	42	34	8	-2	-18	-35	-45	-34	-7
Percent Difference[3]	2.8%	8.4%	4.7%	3.2%	2.3%	0.5%	-0.1%	-1.8%	-5.2%	-7.7%	-6.7%	-1.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	766	797	1,124	1,407	1,600	1,772	1,510	1,168	893	743	661	741
Alternative C	872	971	1,294	1,477	1,648	1,795	1,531	1,181	894	737	642	766
Difference	106	174	170	70	48	24	21	13	0	-6	-19	24
Percent Difference	13.9%	21.8%	15.1%	5.0%	3.0%	1.3%	1.4%	1.1%	0.0%	-0.8%	-2.9%	3.3%
Above Normal (15%)												
No Action Alternative	616	701	1,052	1,265	1,400	1,544	1,265	874	587	463	433	528
Alternative C	700	895	1,229	1,334	1,451	1,573	1,297	903	590	483	436	577
Difference	84	194	178	69	51	28	31	28	2	20	3	49
Percent Difference	13.7%	27.6%	16.9%	5.5%	3.6%	1.8%	2.5%	3.2%	0.4%	4.3%	0.6%	9.3%
Below Normal (17%)												
No Action Alternative	651	932	1,265	1,329	1,459	1,541	1,278	894	519	464	417	517
Alternative C	723	1,019	1,356	1,401	1,523	1,589	1,314	923	532	491	448	564
Difference	72	87	91	73	64	47	36	28	12	27	31	47
Percent Difference	11.0%	9.3%	7.2%	5.5%	4.4%	3.1%	2.8%	3.2%	2.4%	5.8%	7.5%	9.1%
Dry (22%)												
No Action Alternative	587	792	1,088	1,358	1,487	1,508	1,269	916	507	492	455	511
Alternative C	469	701	986	1,351	1,472	1,454	1,198	815	384	334	333	419
Difference	-118	-91	-103	-7	-15	-53	-71	-101	-124	-159	-122	-92
Percent Difference	-20.2%	-11.5%	-9.4%	-0.5%	-1.0%	-3.5%	-5.6%	-11.0%	-24.4%	-32.2%	-26.8%	-18.1%
Critical (15%)												
No Action Alternative	548	654	1,010	1,177	1,291	1,300	1,169	959	673	631	472	484
Alternative C	451	571	868	1,172	1,314	1,303	1,144	900	605	523	425	419
Difference	-97	-83	-142	-5	23	3	-25	-59	-68	-108	-48	-65
Percent Difference	-17.7%	-12.7%	-14.1%	-0.4%	1.8%	0.2%	-2.1%	-6.1%	-10.1%	-17.2%	-10.1%	-13.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

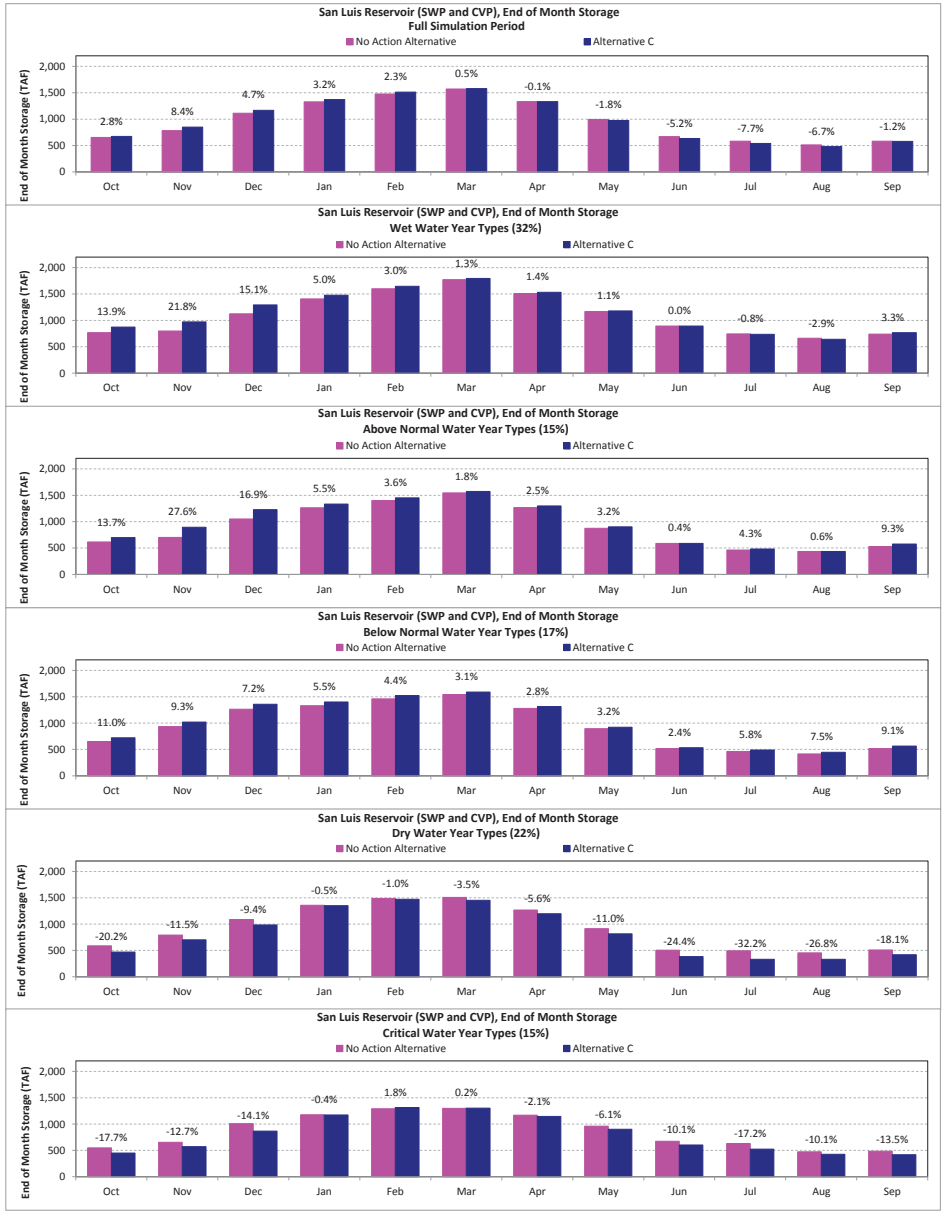

Figure SW-41-7b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

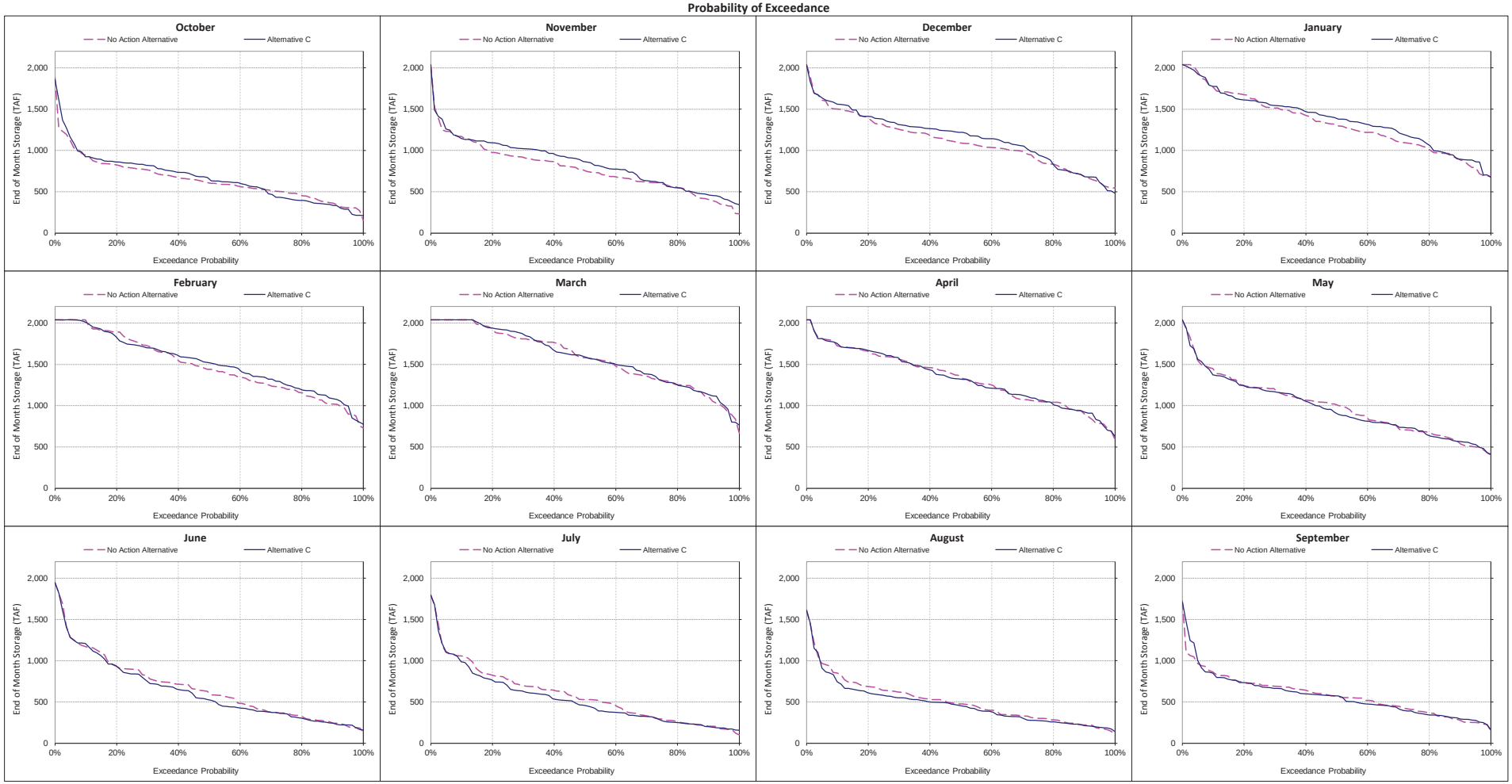

Table SW-41-7b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,884	1,861	-23	-1.2%
1.2%	1,270	1,615	345	27.2%
2.5%	1,232	1,366	134	10.9%
3.7%	1,195	1,275	80	6.7%
4.9%	1,121	1,161	40	3.6%
6.2%	1,029	1,084	55	5.3%
7.4%	1,021	993	-28	-2.7%
8.6%	963	981	18	1.9%
9.9%	942	924	-18	-1.9%
11.1%	923	924	1	0.1%
12.3%	876	908	32	3.6%
13.6%	859	895	37	4.3%
14.8%	843	894	51	6.1%
16.0%	842	871	29	3.5%
17.3%	837	871	33	4.0%
18.5%	834	868	34	4.1%
19.8%	826	860	35	4.2%
21.0%	816	859	44	5.4%
22.2%	798	850	52	6.6%
23.5%	795	849	53	6.7%
24.7%	788	848	60	7.6%
25.9%	784	838	54	6.8%
27.2%	775	832	57	7.4%
28.4%	774	832	58	7.4%
29.6%	769	820	51	6.6%
30.9%	758	817	59	7.7%
32.1%	733	815	82	11.2%
33.3%	715	781	66	9.3%
34.6%	707	778	70	10.0%
35.8%	700	762	61	8.7%
37.0%	699	757	58	8.3%
38.3%	684	749	65	9.5%
39.5%	676	736	59	8.8%
40.7%	664	735	70	10.6%
42.0%	661	734	73	11.0%
43.2%	654	726	72	11.0%
44.4%	651	707	55	8.5%
45.7%	646	689	43	6.7%
46.9%	636	682	46	7.2%
48.1%	623	682	59	9.4%
49.4%	612	671	59	9.7%
50.6%	603	634	31	5.2%
51.9%	602	631	29	4.8%
53.1%	591	630	39	6.5%
54.3%	589	620	31	5.3%
55.6%	589	619	31	5.2%
56.8%	586	617	32	5.4%
58.0%	584	613	29	4.9%
59.3%	567	612	44	7.8%
60.5%	559	596	37	6.7%
61.7%	555	587	32	5.7%
63.0%	550	570	20	3.6%
64.2%	540	563	22	4.2%
65.4%	536	559	22	4.1%
66.7%	528	545	17	3.2%
67.9%	526	531	5	0.9%
69.1%	523	478	-45	-8.7%
70.4%	513	467	-46	-9.0%
71.6%	506	434	-72	-14.2%
72.8%	504	433	-71	-14.1%
74.1%	502	426	-76	-15.2%
75.3%	485	419	-66	-13.6%
76.5%	484	409	-74	-15.4%
77.8%	481	399	-83	-17.2%
79.0%	469	396	-72	-15.4%
80.2%	451	395	-56	-12.3%
81.5%	448	390	-58	-12.9%
82.7%	429	377	-52	-12.2%
84.0%	423	363	-60	-14.1%
85.2%	403	359	-44	-10.8%
86.4%	385	357	-28	-7.3%
87.7%	382	349	-33	-8.6%
88.9%	370	346	-24	-6.5%
90.1%	363	335	-27	-7.6%
91.4%	344	333	-11	-3.3%
92.6%	318	302	-16	-5.0%
93.8%	311	290	-21	-6.7%
95.1%	307	288	-19	-6.2%
96.3%	306	226	-79	-25.9%
97.5%	305	216	-89	-29.1%
98.8%	271	214	-57	-21.0%
100.0%	151	211	60	40.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,525	1,489	-35	-2.3%
2.5%	1,391	1,412	22	1.5%
3.7%	1,250	1,381	130	10.4%
4.9%	1,232	1,258	26	2.1%
6.2%	1,230	1,247	17	1.4%
7.4%	1,192	1,190	-2	-0.2%
8.6%	1,171	1,177	5	0.5%
9.9%	1,170	1,144	-25	-2.2%
11.1%	1,145	1,134	-11	-1.0%
12.3%	1,141	1,133	-7	-0.7%
13.6%	1,108	1,127	19	1.7%
14.8%	1,096	1,116	20	1.8%
16.0%	1,073	1,115	42	3.9%
17.3%	1,017	1,114	97	9.5%
18.5%	1,003	1,098	95	9.5%
19.8%	975	1,093	118	12.1%
21.0%	973	1,091	119	12.2%
22.2%	963	1,081	118	12.2%
23.5%	949	1,064	114	12.0%
24.7%	947	1,061	114	12.0%
25.9%	935	1,034	99	10.6%
27.2%	931	1,033	102	11.0%
28.4%	925	1,025	101	10.9%
29.6%	921	1,023	102	11.1%
30.9%	905	1,021	116	12.8%
32.1%	903	1,018	115	12.7%
33.3%	888	1,013	125	14.1%
34.6%	880	1,007	127	14.5%
35.8%	879	995	116	13.2%
37.0%	877	995	118	13.4%
38.3%	869	965	96	11.0%
39.5%	865	964	98	11.4%
40.7%	859	943	84	9.8%
42.0%	815	932	117	14.4%
43.2%	814	929	115	14.1%
44.4%	804	912	108	13.4%
45.7%	802	911	108	13.5%
46.9%	796	903	106	13.4%
48.1%	768	891	123	16.0%
49.4%	765	867	101	13.3%
50.6%	748	859	111	14.9%
51.9%	737	851	114	15.4%
53.1%	732	821	89	12.1%
54.3%	732	817	85	11.6%
55.6%	707	804	97	13.7%
56.8%	704	788	84	12.0%
58.0%	686	778	91	13.3%
59.3%	684	775	91	13.4%
60.5%	675	773	98	14.5%
61.7%	671	769	98	14.5%
63.0%	663	768	104	15.7%
64.2%	660	738	78	11.9%
65.4%	645	737	92	14.3%
66.7%	625	705	80	12.8%
67.9%	624	655	32	5.1%
69.1%	619	635	16	2.6%
70.4%	614	632	19	3.1%
71.6%	611	627	16	2.6%
72.8%	610	625	14	2.3%
74.1%	607	613	5	0.9%
75.3%	594	611	17	2.9%
76.5%	582	566	-16	-2.7%
77.8%	562	558	-5	-0.8%
79.0%	561	551	-11	-1.9%
80.2%	549	546	-2	-0.4%
81.5%	542	541	-2	-0.3%
82.7%	526	508	-18	-3.4%
84.0%	501	506	5	1.0%
85.2%	468	495	27	5.8%
86.4%	434	482	48	11.0%
87.7%	419	475	56	13.3%
88.9%	418	475	57	13.6%
90.1%	405	460	55	13.6%
91.4%	392	456	64	16.5%
92.6%	379	451	72	19.1%
93.8%	351	438	87	24.7%
95.1%	347	412	65	18.8%
96.3%	328	402	74	22.6%
97.5%	327	379	52	16.0%
98.8%	237	356	120	50.6%
100.0%	233	344	112	47.9%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,889	1,832	-58	-3.0%
2.5%	1,692	1,696	3	0.2%
3.7%	1,673	1,673	0	0.0%
4.9%	1,611	1,636	25	1.6%
6.2%	1,599	1,609	10	0.6%
7.4%	1,518	1,598	79	5.2%
8.6%	1,505	1,584	79	5.2%
9.9%	1,502	1,559	58	3.8%
11.1%	1,498	1,558	60	4.0%
12.3%	1,483	1,550	67	4.5%
13.6%	1,476	1,541	66	4.4%
14.8%	1,465	1,491	27	1.8%
16.0%	1,463	1,488	25	1.7%
17.3%	1,422	1,419	-3	-0.2%
18.5%	1,412	1,412	0	0.0%
19.8%	1,400	1,412	11	0.8%
21.0%	1,363	1,409	46	3.4%
22.2%	1,328	1,388	60	4.5%
23.5%	1,319	1,386	67	5.1%
24.7%	1,317	1,380	63	4.8%
25.9%	1,291	1,354	63	4.9%
27.2%	1,283	1,344	60	4.7%
28.4%	1,271	1,338	67	5.3%
29.6%	1,260	1,314	54	4.3%
30.9%	1,246	1,310	64	5.1%
32.1%	1,244	1,302	58	4.6%
33.3%	1,226	1,290	64	5.2%
34.6%	1,216	1,287	71	5.9%
35.8%	1,214	1,283	69	5.7%
37.0%	1,212	1,282	70	5.8%
38.3%	1,209	1,269	60	5.0%
39.5%	1,193	1,264	71	6.0%
40.7%	1,161	1,263	102	8.8%
42.0%	1,154	1,260	106	9.2%
43.2%	1,150	1,245	95	8.3%
44.4%	1,144	1,240	96	8.4%
45.7%	1,122	1,238	116	10.3%
46.9%	1,115	1,235	120	10.8%
48.1%	1,106	1,224	118	10.7%
49.4%	1,093	1,221	128	11.7%
50.6%	1,087	1,218	131	12.1%
51.9%	1,085	1,206	122	11.2%
53.1%	1,083	1,178	95	8.7%
54.3%	1,072	1,176	104	9.7%
55.6%	1,059	1,173	114	10.8%
56.8%	1,049	1,150	100	9.6%
58.0%	1,039	1,142	104	10.0%
59.3%	1,038	1,142	105	10.1%
60.5%	1,035	1,141	106	10.3%
61.7%	1,033	1,133	101	9.8%
63.0%	1,027	1,119	92	9.0%
64.2%	1,019	1,098	79	7.7%
65.4%	1,007	1,097	91	9.0%
66.7%	1,002	1,074	72	7.2%
67.9%	1,000	1,070	70	7.0%
69.1%	994	1,059	65	6.5%
70.4%	987	1,054	67	6.8%
71.6%	957	1,016	60	6.3%
72.8%	947	985	38	4.0%
74.1%	897	981	84	9.4%
75.3%	874	942	67	7.7%
76.5%	849	928	80	9.4%
77.8%	840	908	68	8.1%
79.0%	837	886	49	5.9%
80.2%	832	819	-14	-1.6%
81.5%	815	772	-43	-5.3%
82.7%	787	765	-22	-2.8%
84.0%	773	758	-15	-1.9%
85.2%	737	750	13	1.8%
86.4%	724	727	3	0.4%
87.7%	719	723	4	0.5%
88.9%	710	708	-1	-0.2%
90.1%	684	682	-2	-0.3%
91.4%	666	680	14	2.1%
92.6%	649	678	29	4.4%
93.8%	633	675	43	6.7%
95.1%	618	610	-7	-1.2%
96.3%	570	577	7	1.3%
97.5%	559	512	-47	-8.4%
98.8%	546	509	-37	-6.8%
100.0%	545	482	-63	-11.6%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,022	-17	-0.8%
2.5%	2,039	1,996	-43	-2.1%
3.7%	2,019	1,972	-47	-2.3%
4.9%	1,958	1,927	-31	-1.6%
6.2%	1,875	1,902	27	1.4%
7.4%	1,857	1,883	26	1.4%
8.6%	1,792	1,792	-1	0.0%
9.9%	1,772	1,776	4	0.2%
11.1%	1,721	1,776	54	3.2%
12.3%	1,712	1,694	-18	-1.0%
13.6%	1,712	1,694	-19	-1.1%
14.8%	1,708	1,667	-41	-2.4%
16.0%	1,695	1,658	-36	-2.1%
17.3%	1,690	1,628	-62	-3.6%
18.5%	1,686	1,619	-67	-4.0%
19.8%	1,676	1,614	-62	-3.7%
21.0%	1,671	1,611	-60	-3.6%
22.2%	1,629	1,602	-26	-1.6%
23.5%	1,626	1,602	-24	-1.4%
24.7%	1,591	1,585	-6	-0.4%
25.9%	1,545	1,582	37	2.4%
27.2%	1,523	1,576	52	3.4%
28.4%	1,521	1,551	30	1.9%
29.6%	1,514	1,546	32	2.1%
30.9%	1,514	1,541	27	1.8%
32.1%	1,492	1,538	46	3.1%
33.3%	1,491	1,529	39	2.6%
34.6%	1,484	1,529	46	3.1%
35.8%	1,457	1,521	64	4.4%
37.0%	1,452	1,519	66	4.6%
38.3%	1,452	1,502	50	3.4%
39.5%	1,430	1,478	48	3.3%
40.7%	1,416	1,462	46	3.3%
42.0%	1,391	1,462	71	5.1%
43.2%	1,352	1,460	108	8.0%
44.4%	1,350	1,431	81	6.0%
45.7%	1,339	1,425	86	6.4%
46.9%	1,330	1,413	83	6.2%
48.1%	1,320	1,408	87	6.6%
49.4%	1,320	1,398	78	5.9%
50.6%	1,295	1,380	85	6.6%
51.9%	1,293	1,380	87	6.8%
53.1%	1,275	1,375	99	7.8%
54.3%	1,264	1,351	87	6.9%
55.6%	1,250	1,349	99	7.9%
56.8%	1,239	1,346	107	8.7%
58.0%	1,224	1,332	108	8.8%
59.3%	1,218	1,322	104	8.5%
60.5%	1,218	1,311	93	7.6%
61.7%	1,218	1,292	74	6.1%
63.0%	1,212	1,290	78	6.5%
64.2%	1,184	1,290	105	8.9%
65.4%	1,177	1,276	99	8.4%
66.7%	1,155	1,276	121	10.5%
67.9%	1,144	1,268	124	10.8%
69.1%	1,113	1,248	135	12.1%
70.4%	1,104	1,211	107	9.7%
71.6%	1,095	1,196	101	9.2%
72.8%	1,091	1,178	87	8.0%
74.1%	1,085	1,162	77	7.1%
75.3%	1,070	1,152	82	7.6%
76.5%	1,070	1,145	75	7.0%
77.8%	1,051	1,121	69	6.6%
79.0%	1,039	1,086	47	4.5%
80.2%	1,005	1,056	50	5.0%
81.5%	975	994	20	2.0%
82.7%	971	991	20	2.1%
84.0%	969	984	15	1.6%
85.2%	963	972	8	0.8%
86.4%	963	949	-14	-1.5%
87.7%	926	947	21	2.3%
88.9%	908	899	-9	-1.0%
90.1%	885	893	9	1.0%
91.4%	872	888	15	1.8%
92.6%	828	886	58	7.0%
93.8%	796	885	89	11.1%
95.1%	791	862	71	9.0%
96.3%	717	861	143	20.0%
97.5%	698	703	5	0.7%
98.8%	693	702	9	1.3%
100.0%	682	675	-7	-1.0%

Table SW-41-7b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,035	-4	-0.2%
8.6%	2,039	2,029	-10	-0.5%
9.9%	2,039	2,009	-30	-1.5%
11.1%	1,958	1,984	26	1.3%
12.3%	1,928	1,951	23	1.2%
13.6%	1,927	1,942	15	0.8%
14.8%	1,913	1,927	14	0.8%
16.0%	1,912	1,899	-12	-0.6%
17.3%	1,907	1,892	-14	-0.8%
18.5%	1,895	1,878	-17	-0.9%
19.8%	1,891	1,838	-54	-2.8%
21.0%	1,891	1,786	-105	-5.5%
22.2%	1,842	1,767	-75	-4.1%
23.5%	1,811	1,744	-67	-3.7%
24.7%	1,792	1,741	-50	-2.8%
25.9%	1,777	1,736	-41	-2.3%
27.2%	1,764	1,726	-38	-2.2%
28.4%	1,735	1,718	-17	-1.0%
29.6%	1,729	1,703	-27	-1.5%
30.9%	1,714	1,699	-16	-0.9%
32.1%	1,678	1,695	16	1.0%
33.3%	1,654	1,677	23	1.4%
34.6%	1,645	1,658	13	0.8%
35.8%	1,645	1,651	6	0.4%
37.0%	1,636	1,634	-2	-0.1%
38.3%	1,605	1,632	26	1.6%
39.5%	1,559	1,617	58	3.7%
40.7%	1,525	1,592	67	4.4%
42.0%	1,519	1,588	69	4.5%
43.2%	1,518	1,581	63	4.2%
44.4%	1,508	1,576	68	4.5%
45.7%	1,484	1,571	87	5.9%
46.9%	1,476	1,552	75	5.1%
48.1%	1,459	1,528	69	4.7%
49.4%	1,440	1,524	83	5.8%
50.6%	1,439	1,515	76	5.3%
51.9%	1,430	1,506	76	5.3%
53.1%	1,413	1,491	78	5.5%
54.3%	1,413	1,483	71	5.0%
55.6%	1,392	1,482	90	6.5%
56.8%	1,372	1,472	100	7.3%
58.0%	1,372	1,467	95	7.0%
59.3%	1,349	1,452	103	7.6%
60.5%	1,341	1,409	68	5.1%
61.7%	1,332	1,390	58	4.4%
63.0%	1,305	1,384	79	6.0%
64.2%	1,304	1,355	51	3.9%
65.4%	1,280	1,353	73	5.7%
66.7%	1,273	1,347	74	5.8%
67.9%	1,272	1,345	73	5.8%
69.1%	1,252	1,322	70	5.6%
70.4%	1,235	1,322	87	7.0%
71.6%	1,230	1,298	67	5.5%
72.8%	1,224	1,293	69	5.6%
74.1%	1,215	1,266	51	4.2%
75.3%	1,196	1,246	50	4.1%
76.5%	1,196	1,239	43	3.6%
77.8%	1,188	1,215	27	2.3%
79.0%	1,159	1,206	47	4.0%
80.2%	1,154	1,190	36	3.1%
81.5%	1,119	1,182	63	5.6%
82.7%	1,111	1,181	70	6.3%
84.0%	1,098	1,178	80	7.2%
85.2%	1,070	1,137	67	6.2%
86.4%	1,069	1,131	62	5.8%
87.7%	1,033	1,128	95	9.2%
88.9%	1,019	1,095	76	7.4%
90.1%	1,019	1,085	66	6.5%
91.4%	1,018	1,075	57	5.6%
92.6%	994	1,053	59	5.9%
93.8%	971	1,010	38	4.0%
95.1%	898	996	98	10.9%
96.3%	896	852	-44	-5.0%
97.5%	876	823	-53	-6.0%
98.8%	755	798	43	5.7%
100.0%	728	775	46	6.3%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	1,987	2,015	28	1.4%
16.0%	1,978	1,992	14	0.7%
17.3%	1,964	1,962	-3	-0.1%
18.5%	1,961	1,944	-16	-0.8%
19.8%	1,936	1,942	5	0.3%
21.0%	1,886	1,931	45	2.4%
22.2%	1,875	1,925	50	2.7%
23.5%	1,873	1,920	48	2.5%
24.7%	1,867	1,916	49	2.6%
25.9%	1,842	1,902	61	3.3%
27.2%	1,825	1,897	71	3.9%
28.4%	1,815	1,886	71	3.9%
29.6%	1,808	1,873	66	3.6%
30.9%	1,807	1,846	38	2.1%
32.1%	1,795	1,834	39	2.2%
33.3%	1,790	1,799	9	0.5%
34.6%	1,787	1,776	-10	-0.6%
35.8%	1,781	1,768	-13	-0.7%
37.0%	1,773	1,736	-37	-2.1%
38.3%	1,768	1,724	-44	-2.5%
39.5%	1,768	1,680	-88	-5.0%
40.7%	1,757	1,648	-109	-6.2%
42.0%	1,747	1,644	-103	-5.9%
43.2%	1,695	1,633	-62	-3.7%
44.4%	1,689	1,625	-64	-3.8%
45.7%	1,667	1,617	-50	-3.0%
46.9%	1,616	1,617	1	0.0%
48.1%	1,590	1,613	23	1.5%
49.4%	1,583	1,597	14	0.9%
50.6%	1,579	1,581	2	0.1%
51.9%	1,572	1,566	-7	-0.4%
53.1%	1,568	1,564	-3	-0.2%
54.3%	1,558	1,550	-8	-0.5%
55.6%	1,547	1,534	-13	-0.9%
56.8%	1,542	1,524	-17	-1.1%
58.0%	1,525	1,514	-12	-0.8%
59.3%	1,500	1,511	11	0.7%
60.5%	1,465	1,492	27	1.9%
61.7%	1,450	1,488	38	2.6%
63.0%	1,416	1,481	65	4.6%
64.2%	1,388	1,473	85	6.1%
65.4%	1,387	1,470	83	6.0%
66.7%	1,378	1,429	51	3.7%
67.9%	1,373	1,419	46	3.3%
69.1%	1,356	1,386	30	2.2%
70.4%	1,353	1,382	28	2.1%
71.6%	1,331	1,376	45	3.4%
72.8%	1,321	1,354	33	2.5%
74.1%	1,318	1,310	-7	-0.6%
75.3%	1,300	1,296	-5	-0.4%
76.5%	1,300	1,282	-18	-1.4%
77.8%	1,284	1,281	-4	-0.3%
79.0%	1,259	1,272	13	1.1%
80.2%	1,252	1,245	-7	-0.5%
81.5%	1,249	1,239	-10	-0.8%
82.7%	1,245	1,227	-18	-1.4%
84.0%	1,244	1,219	-25	-2.0%
85.2%	1,208	1,185	-24	-2.0%
86.4%	1,177	1,174	-2	-0.2%
87.7%	1,165	1,166	1	0.1%
88.9%	1,110	1,152	41	3.7%
90.1%	1,105	1,134	29	2.7%
91.4%	1,055	1,117	62	5.9%
92.6%	1,030	1,114	84	8.2%
93.8%	1,010	1,038	28	2.8%
95.1%	975	1,004	28	2.9%
96.3%	924	960	35	3.8%
97.5%	890	800	-90	-10.1%
98.8%	836	800	-36	-4.3%
100.0%	668	766	97	14.6%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	1,906	1,908	2	0.1%
3.7%	1,829	1,811	-18	-1.0%
4.9%	1,813	1,811	-2	-0.1%
6.2%	1,804	1,789	-15	-0.8%
7.4%	1,798	1,779	-19	-1.1%
8.6%	1,787	1,771	-16	-0.9%
9.9%	1,727	1,755	27	1.6%
11.1%	1,715	1,710	-4	-0.3%
12.3%	1,713	1,706	-7	-0.4%
13.6%	1,705	1,703	-3	-0.2%
14.8%	1,700	1,698	-2	-0.1%
16.0%	1,695	1,693	-2	-0.1%
17.3%	1,682	1,692	10	0.6%
18.5%	1,668	1,682	14	0.9%
19.8%	1,661	1,671	11	0.7%
21.0%	1,626	1,658	31	1.9%
22.2%	1,623	1,650	27	1.7%
23.5%	1,601	1,640	39	2.4%
24.7%	1,597	1,629	32	2.0%
25.9%	1,593	1,606	13	0.8%
27.2%	1,590	1,605	16	1.0%
28.4%	1,584	1,587	3	0.2%
29.6%	1,567	1,583	16	1.0%
30.9%	1,554	1,531	-23	-1.5%
32.1%	1,537	1,527	-10	-0.7%
33.3%	1,529	1,516	-13	-0.8%
34.6%	1,494	1,489	-5	-0.3%
35.8%	1,470	1,487	17	1.2%
37.0%	1,469	1,478	8	0.6%
38.3%	1,464	1,451	-13	-0.9%
39.5%	1,463	1,436	-26	-1.8%
40.7%	1,459	1,424	-35	-2.4%
42.0%	1,450	1,379	-71	-4.9%
43.2%	1,427	1,374	-53	-3.7%
44.4%	1,424	1,371	-53	-3.7%
45.7%	1,410	1,348	-61	-4.3%
46.9%	1,390	1,333	-57	-4.1%
48.1%	1,371	1,327	-44	-3.2%
49.4%	1,366	1,323	-44	-3.2%
50.6%	1,330	1,318	-12	-0.9%
51.9%	1,320	1,316	-4	-0.3%
53.1%	1,294	1,305	11	0.9%
54.3%	1,287	1,278	-9	-0.7%
55.6%	1,273	1,245	-28	-2.2%
56.8%	1,266	1,244	-22	-1.7%
58.0%	1,259	1,220	-39	-3.1%
59.3%	1,258	1,213	-46	-3.6%
60.5%	1,243	1,212	-31	-2.5%
61.7%	1,201	1,208	6	0.5%
63.0%	1,188	1,206	19	1.6%
64.2%	1,185	1,197	11	1.0%
65.4%	1,157	1,147	-10	-0.9%
66.7%	1,117	1,137	21	1.9%
67.9%	1,090	1,135	46	4.2%
69.1%	1,079	1,133	54	5.0%
70.4%	1,076	1,125	50	4.6%
71.6%	1,072	1,107	35	3.2%
72.8%	1,062	1,093	31	2.9%
74.1%	1,057	1,090	33	3.1%
75.3%	1,050	1,067	17	1.6%
76.5%	1,047	1,062	15	1.4%
77.8%	1,045	1,046	1	0.1%
79.0%	1,044	1,043	0	0.0%
80.2%	1,042	1,008	-34	-3.2%
81.5%	1,041	999	-42	-4.0%
82.7%	1,029	971	-58	-5.7%
84.0%	997	965	-32	-3.2%
85.2%	957	958	2	0.2%
86.4%	955	952	-3	-0.3%
87.7%	946	940	-5	-0.6%
88.9%	938	940	2	0.2%
90.1%	896	922	27	3.0%
91.4%	865	910	46	5.3%
92.6%	833	908	75	9.0%
93.8%	787	832	45	5.8%
95.1%	786	818	32	4.1%
96.3%	776	755	-21	-2.7%
97.5%	725	703	-22	-3.1%
98.8%	691	691	0	0.0%
100.0%	588	627	39	6.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,037	-2	-0.1%
1.2%	1,931	1,938	6	0.3%
2.5%	1,832	1,725	-107	-5.8%
3.7%	1,692	1,690	-2	-0.1%
4.9%	1,550	1,565	15	1.0%
6.2%	1,495	1,534	39	2.6%
7.4%	1,484	1,476	-8	-0.5%
8.6%	1,463	1,441	-22	-1.5%
9.9%	1,449	1,374	-76	-5.2%
11.1%	1,388	1,365	-23	-1.7%
12.3%	1,384	1,362	-21	-1.6%
13.6%	1,369	1,349	-20	-1.5%
14.8%	1,367	1,323	-44	-3.2%
16.0%	1,318	1,309	-9	-0.7%
17.3%	1,315	1,295	-20	-1.5%
18.5%	1,262	1,248	-13	-1.1%
19.8%	1,241	1,246	5	0.4%
21.0%	1,233	1,223	-10	-0.8%
22.2%	1,226	1,220	-7	-0.6%
23.5%	1,223	1,216	-8	-0.6%
24.7%	1,217	1,212	-5	-0.4%
25.9%	1,217	1,191	-27	-2.2%
27.2%	1,213	1,178	-35	-2.9%
28.4%	1,206	1,172	-34	-2.9%
29.6%	1,206	1,172	-34	-2.8%
30.9%	1,165	1,160	-4	-0.4%
32.1%	1,145	1,155	10	0.9%
33.3%	1,127	1,149	22	2.0%
34.6%	1,120	1,145	26	2.3%
35.8%	1,107	1,133	26	2.3%
37.0%	1,103	1,095	-9	-0.8%
38.3%	1,079	1,086	7	0.6%
39.5%	1,066	1,059	-7	-0.6%
40.7%	1,064	1,043	-21	-2.0%
42.0%	1,061	1,024	-36	-3.4%
43.2%	1,048	1,002	-46	-4.4%
44.4%	1,044	995	-48	-4.6%
45.7%	1,041	967	-74	-7.1%
46.9%	1,037	955	-83	-8.0%
48.1%	1,022	954	-68	-6.6%
49.4%	1,019	918	-101	-9.9%
50.6%	1,001	894	-106	-10.6%
51.9%	995	882	-113	-11.4%
53.1%	977	878	-99	-10.1%
54.3%	950	859	-91	-9.6%
55.6%	892	850	-42	-4.7%
56.8%	891	835	-56	-6.3%
58.0%	881	822	-59	-6.7%
59.3%	880	815	-65	-7.4%
60.5%	825	811	-14	-1.7%
61.7%	821	800	-22	-2.6%
63.0%	813	795	-18	-2.2%
64.2%	807	795	-12	-1.5%
65.4%	798	788	-10	-1.3%
66.7%	792	786	-6	-0.8%
67.9%	764	770	6	0.8%
69.1%	764	767	3	0.4%
70.4%	712	738	27	3.7%
71.6%	705	737	32	4.5%
72.8%	705	732	27	3.8%
74.1%	704	731	27	3.8%
75.3%	689	724	35	5.1%
76.5%	688	693	5	0.7%
77.8%	686	693	7	1.1%
79.0%	685	651	-34	-4.9%
80.2%	670	634	-36	-5.4%
81.5%	652	625	-27	-4.1%
82.7%	640	617	-24	-3.7%
84.0%	640	606	-34	-5.3%
85.2%	624	600	-24	-3.8%
86.4%	610	596	-14	-2.2%
87.7%	593	577	-15	-2.6%
88.9%	580	569	-11	-1.9%
90.1%	538	566	29	5.3%
91.4%	519	559	40	7.7%
92.6%	511	555	44	8.5%
93.8%	507	539	32	6.3%
95.1%	500	527	27	5.4%
96.3%	498	495	-2	-0.5%
97.5%	467	481	15	3.1%
98.8%	433	430	-3	-0.7%
100.0%	398	413	15	3.7%

Table SW-41-7b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,947	1,946	-1	-0.1%
1.2%	1,816	1,825	9	0.5%
2.5%	1,692	1,604	-88	-5.2%
3.7%	1,414	1,408	-6	-0.4%
4.9%	1,286	1,284	-2	-0.1%
6.2%	1,252	1,245	-8	-0.6%
7.4%	1,211	1,216	5	0.4%
8.6%	1,186	1,214	28	2.3%
9.9%	1,171	1,208	38	3.2%
11.1%	1,158	1,164	6	0.5%
12.3%	1,157	1,116	-41	-3.6%
13.6%	1,127	1,095	-32	-2.8%
14.8%	1,101	1,063	-39	-3.5%
16.0%	1,073	1,020	-53	-4.9%
17.3%	980	960	-20	-2.0%
18.5%	957	958	2	0.2%
19.8%	934	940	6	0.6%
21.0%	909	902	-7	-0.7%
22.2%	904	859	-44	-4.9%
23.5%	901	849	-52	-5.7%
24.7%	898	840	-58	-6.5%
25.9%	893	839	-54	-6.0%
27.2%	889	836	-52	-5.9%
28.4%	830	798	-32	-3.8%
29.6%	820	760	-59	-7.2%
30.9%	776	723	-53	-6.9%
32.1%	765	719	-46	-6.0%
33.3%	751	715	-36	-4.8%
34.6%	745	693	-52	-7.0%
35.8%	742	693	-50	-6.7%
37.0%	739	685	-54	-7.3%
38.3%	726	681	-45	-6.2%
39.5%	715	656	-59	-8.3%
40.7%	714	645	-69	-9.7%
42.0%	711	641	-70	-9.9%
43.2%	710	638	-72	-10.1%
44.4%	660	606	-54	-8.2%
45.7%	656	551	-105	-15.9%
46.9%	644	545	-99	-15.4%
48.1%	635	540	-95	-14.9%
49.4%	629	530	-99	-15.7%
50.6%	588	520	-68	-11.5%
51.9%	583	506	-78	-13.3%
53.1%	580	467	-113	-19.5%
54.3%	578	449	-129	-22.2%
55.6%	563	446	-116	-20.7%
56.8%	552	440	-111	-20.2%
58.0%	544	440	-104	-19.1%
59.3%	487	431	-56	-11.4%
60.5%	483	425	-58	-12.1%
61.7%	469	421	-48	-10.3%
63.0%	452	409	-43	-9.5%
64.2%	445	404	-41	-9.3%
65.4%	419	389	-30	-7.2%
66.7%	412	386	-25	-6.2%
67.9%	399	385	-14	-3.5%
69.1%	382	378	-4	-0.9%
70.4%	376	373	-3	-0.8%
71.6%	371	371	0	0.1%
72.8%	367	364	-3	-0.8%
74.1%	366	360	-6	-1.7%
75.3%	364	353	-11	-3.0%
76.5%	345	322	-23	-6.7%
77.8%	338	318	-20	-5.9%
79.0%	337	307	-30	-8.9%
80.2%	320	301	-19	-5.9%
81.5%	295	291	-4	-1.4%
82.7%	290	276	-15	-5.0%
84.0%	287	271	-16	-5.7%
85.2%	278	268	-10	-3.5%
86.4%	277	259	-17	-6.3%
87.7%	265	256	-9	-3.3%
88.9%	260	247	-13	-4.9%
90.1%	244	245	1	0.4%
91.4%	242	228	-15	-6.0%
92.6%	235	222	-13	-5.6%
93.8%	225	221	-4	-1.8%
95.1%	201	221	20	9.9%
96.3%	192	219	27	14.2%
97.5%	192	189	-3	-1.6%
98.8%	185	167	-18	-9.5%
100.0%	137	160	23	16.5%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,797	1,795	-1	-0.1%
1.2%	1,668	1,681	13	0.8%
2.5%	1,444	1,367	-77	-5.3%
3.7%	1,188	1,210	22	1.9%
4.9%	1,102	1,109	7	0.7%
6.2%	1,084	1,086	2	0.2%
7.4%	1,074	1,078	4	0.4%
8.6%	1,059	1,051	-8	-0.8%
9.9%	1,057	987	-70	-6.6%
11.1%	1,055	979	-76	-7.2%
12.3%	1,024	925	-98	-9.6%
13.6%	985	849	-136	-13.8%
14.8%	902	830	-73	-8.1%
16.0%	866	814	-51	-5.9%
17.3%	838	790	-48	-5.7%
18.5%	838	783	-55	-6.6%
19.8%	828	771	-57	-6.9%
21.0%	815	743	-73	-8.9%
22.2%	812	741	-71	-8.7%
23.5%	804	738	-66	-8.3%
24.7%	775	706	-69	-9.0%
25.9%	775	652	-123	-15.8%
27.2%	722	643	-80	-11.0%
28.4%	712	638	-74	-10.4%
29.6%	701	634	-67	-9.6%
30.9%	691	618	-73	-10.5%
32.1%	688	610	-78	-11.3%
33.3%	687	607	-80	-11.6%
34.6%	685	599	-86	-12.5%
35.8%	654	595	-59	-9.0%
37.0%	650	592	-58	-9.0%
38.3%	648	580	-68	-10.5%
39.5%	645	538	-108	-16.7%
40.7%	632	531	-101	-16.0%
42.0%	631	523	-108	-17.1%
43.2%	629	520	-109	-17.4%
44.4%	592	516	-76	-12.9%
45.7%	576	514	-61	-10.7%
46.9%	567	487	-79	-14.0%
48.1%	532	466	-66	-12.5%
49.4%	528	463	-65	-12.4%
50.6%	528	453	-76	-14.3%
51.9%	528	439	-89	-16.9%
53.1%	525	425	-100	-19.1%
54.3%	520	391	-128	-24.6%
55.6%	499	390	-109	-21.8%
56.8%	492	383	-109	-22.2%
58.0%	485	379	-106	-21.9%
59.3%	472	376	-96	-20.4%
60.5%	442	372	-71	-16.0%
61.7%	424	370	-54	-12.7%
63.0%	383	365	-18	-4.6%
64.2%	373	340	-33	-8.8%
65.4%	365	339	-27	-7.3%
66.7%	363	332	-31	-8.6%
67.9%	344	326	-18	-5.3%
69.1%	338	325	-13	-3.8%
70.4%	328	324	-5	-1.4%
71.6%	321	322	1	0.3%
72.8%	302	308	5	1.8%
74.1%	295	287	-8	-2.6%
75.3%	291	269	-22	-7.7%
76.5%	277	260	-17	-6.2%
77.8%	276	257	-20	-7.1%
79.0%	272	253	-18	-6.7%
80.2%	256	251	-5	-2.0%
81.5%	248	244	-5	-1.9%
82.7%	243	238	-5	-2.1%
84.0%	237	235	-2	-0.8%
85.2%	235	230	-5	-2.1%
86.4%	222	227	5	2.2%
87.7%	218	225	6	2.9%
88.9%	216	203	-13	-5.8%
90.1%	207	202	-5	-2.5%
91.4%	205	193	-12	-6.0%
92.6%	203	187	-15	-7.6%
93.8%	176	186	9	5.2%
95.1%	171	185	14	8.4%
96.3%	169	174	5	3.0%
97.5%	168	172	3	1.9%
98.8%	124	159	35	28.0%
100.0%	101	156	55	53.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,617	1,612	-5	-0.3%
1.2%	1,442	1,455	13	0.9%
2.5%	1,217	1,150	-67	-5.5%
3.7%	1,058	1,100	42	4.0%
4.9%	967	911	-56	-5.8%
6.2%	953	864	-89	-9.3%
7.4%	937	852	-85	-9.1%
8.6%	858	831	-26	-3.1%
9.9%	850	745	-105	-12.4%
11.1%	834	716	-118	-14.1%
12.3%	768	664	-104	-13.6%
13.6%	740	664	-76	-10.3%
14.8%	740	655	-84	-11.4%
16.0%	735	647	-88	-11.9%
17.3%	710	636	-74	-10.4%
18.5%	695	634	-61	-8.8%
19.8%	687	612	-75	-11.0%
21.0%	683	599	-85	-12.4%
22.2%	681	595	-86	-12.6%
23.5%	660	587	-73	-11.1%
24.7%	643	583	-60	-9.4%
25.9%	641	574	-67	-10.5%
27.2%	632	570	-61	-9.7%
28.4%	629	556	-74	-11.7%
29.6%	622	550	-72	-11.5%
30.9%	618	549	-69	-11.1%
32.1%	610	547	-63	-10.3%
33.3%	593	535	-58	-9.8%
34.6%	571	531	-41	-7.1%
35.8%	557	529	-28	-5.0%
37.0%	550	519	-32	-5.8%
38.3%	542	514	-28	-5.2%
39.5%	537	503	-35	-6.5%
40.7%	530	498	-32	-6.1%
42.0%	529	495	-34	-6.4%
43.2%	528	494	-33	-6.3%
44.4%	518	494	-25	-4.7%
45.7%	497	491	-6	-1.3%
46.9%	490	473	-17	-3.5%
48.1%	482	469	-13	-2.8%
49.4%	476	458	-18	-3.8%
50.6%	476	449	-27	-5.6%
51.9%	469	445	-25	-5.3%
53.1%	468	425	-43	-9.3%
54.3%	458	420	-38	-8.3%
55.6%	439	399	-39	-8.9%
56.8%	418	392	-26	-6.2%
58.0%	407	389	-18	-4.4%
59.3%	400	388	-12	-3.0%
60.5%	400	377	-23	-5.7%
61.7%	382	345	-37	-9.6%
63.0%	348	341	-7	-2.1%
64.2%	347	331	-17	-4.8%
65.4%	345	327	-18	-5.2%
66.7%	342	324	-18	-5.3%
67.9%	340	324	-17	-4.9%
69.1%	334	319	-15	-4.4%
70.4%	329	299	-30	-9.2%
71.6%	327	281	-46	-14.0%
72.8%	309	277	-33	-10.5%
74.1%	307	277	-30	-9.9%
75.3%	302	274	-28	-9.3%
76.5%	301	272	-29	-9.6%
77.8%	298	268	-29	-9.9%
79.0%	284	259	-25	-8.7%
80.2%	282	259	-23	-8.1%
81.5%	278	251	-27	-9.8%
82.7%	260	247	-13	-4.9%
84.0%	252	242	-10	-3.8%
85.2%	243	237	-6	-2.6%
86.4%	242	231	-11	-4.5%
87.7%	236	231	-4	-1.9%
88.9%	224	224	0	0.2%
90.1%	222	213	-9	-4.1%
91.4%	220	211	-10	-4.5%
92.6%	219	204	-15	-6.9%
93.8%	188	199	11	6.1%
95.1%	179	192	13	7.4%
96.3%	175	187	12	6.7%
97.5%	163	184	21	12.7%
98.8%	145	172	27	18.8%
100.0%	100	142	42	42.0%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative C End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,727	1,706	-21	-1.2%
1.2%	1,103	1,463	360	32.6%
2.5%	1,064	1,245	181	17.0%
3.7%	1,047	1,216	170	16.2%
4.9%	968	1,003	35	3.6%
6.2%	940	913	-27	-2.9%
7.4%	931	863	-68	-7.3%
8.6%	881	861	-19	-2.2%
9.9%	862	850	-12	-1.4%
11.1%	829	797	-32	-3.9%
12.3%	820	797	-24	-2.9%
13.6%	820	792	-28	-3.4%
14.8%	813	775	-38	-4.7%
16.0%	767	766	-1	-0.2%
17.3%	762	763	1	0.1%
18.5%	746	736	-9	-1.3%
19.8%	740	734	-6	-0.8%
21.0%	727	731	4	0.5%
22.2%	726	725	-1	-0.2%
23.5%	725	700	-26	-3.5%
24.7%	723	700	-23	-3.2%
25.9%	702	679	-23	-3.3%
27.2%	700	675	-25	-3.5%
28.4%	697	673	-23	-3.3%
29.6%	691	665	-25	-3.7%
30.9%	689	664	-24	-3.6%
32.1%	686	661	-25	-3.6%
33.3%	681	639	-41	-6.1%
34.6%	680	632	-47	-7.0%
35.8%	662	625	-37	-5.5%
37.0%	657	621	-36	-5.5%
38.3%	653	603	-50	-7.7%
39.5%	645	599	-46	-7.1%
40.7%	634	598	-37	-5.8%
42.0%	619	590	-29	-4.6%
43.2%	605	590	-16	-2.6%
44.4%	602	588	-14	-2.4%
45.7%	600	584	-16	-2.6%
46.9%	587	579	-8	-1.4%
48.1%	574	576	1	0.3%
49.4%	572	576	3	0.6%
50.6%	564	573	10	1.7%
51.9%	553	556	3	0.5%
53.1%	552	508	-44	-8.0%
54.3%	552	504	-48	-8.6%
55.6%	550	504	-45	-8.2%
56.8%	548	493	-55	-10.1%
58.0%	547	484	-63	-11.5%
59.3%	521	477	-44	-8.4%
60.5%	519	475	-44	-8.4%
61.7%	514	472	-42	-8.2%
63.0%	476	466	-10	-2.2%
64.2%	474	462	-12	-2.6%
65.4%	463	460	-3	-0.6%
66.7%	459	455	-5	-1.0%
67.9%	458	443	-15	-3.3%
69.1%	452	441	-11	-2.3%
70.4%	445	413	-32	-7.2%
71.6%	423	397	-26	-6.1%
72.8%	418	391	-27	-6.5%
74.1%	409	390	-19	-4.8%
75.3%	407	372	-36	-8.8%
76.5%	388	364	-24	-6.3%
77.8%	383	356	-27	-7.1%
79.0%	375	347	-28	-7.6%
80.2%	363	342	-21	-5.8%
81.5%	361	341	-20	-5.7%
82.7%	330	338	8	2.5%
84.0%	324	337	13	3.9%
85.2%	320	327	7	2.2%
86.4%	318	313	-5	-1.6%
87.7%	293	312	19	6.4%
88.9%	291	307	16	5.6%
90.1%	276	291	16	5.7%
91.4%	256	290	34	13.3%
92.6%	256	289	33	12.8%
93.8%	251	279	28	11.1%
95.1%	251	276	25	9.9%
96.3%	245	257	12	4.9%
97.5%	234	249	15	6.4%
98.8%	228	221	-7	-3.1%
100.0%	145	159	14	9.9%

Table SW-42-7a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	414	428	462	482	495	503	482	450	413	403	395	405
Alternative C	415	435	467	486	498	504	482	448	409	397	391	404
Difference	1	7	5	4	3	1	0	-2	-4	-5	-4	-1
Percent Difference[3]	0.3%	1.7%	1.1%	0.8%	0.6%	0.1%	0.0%	-0.4%	-1.0%	-1.3%	-1.0%	-0.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	426	429	463	489	506	520	498	467	438	422	413	424
Alternative C	438	448	479	496	510	522	500	468	438	421	411	426
Difference	11	19	16	6	4	2	2	1	0	-1	-2	2
Percent Difference	2.7%	4.3%	3.5%	1.3%	0.9%	0.4%	0.4%	0.3%	0.0%	-0.2%	-0.5%	0.5%
Above Normal (15%)												
No Action Alternative	410	420	457	476	489	501	477	438	405	388	384	398
Alternative C	420	441	474	483	493	504	480	442	405	391	386	405
Difference	9	21	17	7	5	2	3	3	0	3	1	7
Percent Difference	2.3%	5.0%	3.8%	1.5%	1.0%	0.5%	0.6%	0.8%	0.0%	0.8%	0.3%	1.7%
Below Normal (17%)												
No Action Alternative	414	445	477	482	493	501	478	440	395	388	383	398
Alternative C	423	454	485	489	499	505	481	443	397	392	388	404
Difference	8	9	9	7	6	4	4	3	2	4	5	6
Percent Difference	2.0%	2.0%	1.8%	1.5%	1.2%	0.9%	0.8%	0.7%	0.5%	1.1%	1.3%	1.6%
Dry (22%)												
No Action Alternative	406	428	459	485	497	498	477	442	394	392	389	396
Alternative C	391	420	450	485	495	494	471	433	379	372	372	385
Difference	-15	-8	-9	-1	-1	-4	-6	-10	-15	-20	-17	-11
Percent Difference	-3.6%	-2.0%	-2.1%	-0.1%	-0.2%	-0.9%	-1.3%	-2.2%	-3.8%	-5.1%	-4.3%	-2.9%
Critical (15%)												
No Action Alternative	401	414	452	468	478	479	467	447	415	410	392	393
Alternative C	388	405	437	467	480	479	464	440	406	397	386	385
Difference	-12	-9	-15	-1	2	0	-3	-7	-8	-13	-6	-8
Percent Difference	-3.1%	-2.2%	-3.3%	-0.2%	0.4%	0.0%	-0.6%	-1.5%	-2.0%	-3.1%	-1.5%	-2.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-42-7b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

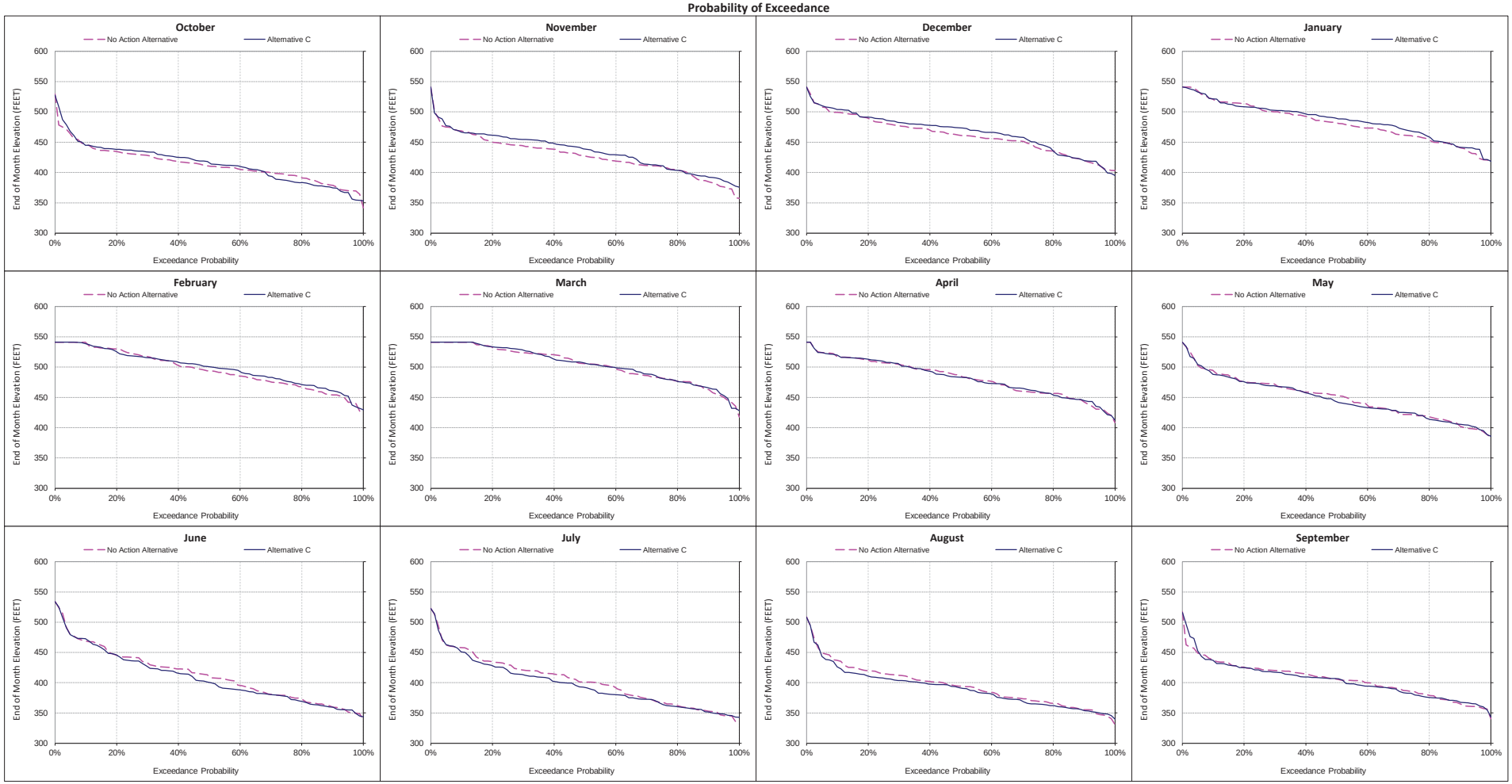

Table SW-42-7b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	530	528	-2	-0.3%
1.2%	478	509	30	6.3%
2.5%	475	487	12	2.6%
3.7%	471	479	7	1.6%
4.9%	464	468	4	0.8%
6.2%	455	461	5	1.2%
7.4%	454	452	-3	-0.6%
8.6%	449	451	2	0.4%
9.9%	447	445	-2	-0.4%
11.1%	445	445	0	0.0%
12.3%	440	443	3	0.7%
13.6%	438	442	4	0.9%
14.8%	436	442	5	1.2%
16.0%	436	439	3	0.7%
17.3%	436	439	3	0.8%
18.5%	435	439	4	0.8%
19.8%	435	438	4	0.8%
21.0%	434	438	5	1.0%
22.2%	432	437	5	1.3%
23.5%	431	437	6	1.3%
24.7%	431	437	6	1.5%
25.9%	430	436	6	1.3%
27.2%	429	435	6	1.4%
28.4%	429	435	6	1.4%
29.6%	429	434	5	1.3%
30.9%	428	434	6	1.5%
32.1%	425	434	9	2.1%
33.3%	423	430	7	1.7%
34.6%	422	430	8	1.8%
35.8%	421	428	7	1.6%
37.0%	421	427	6	1.5%
38.3%	419	427	7	1.7%
39.5%	419	425	7	1.6%
40.7%	417	425	8	1.9%
42.0%	417	425	8	1.9%
43.2%	416	424	8	1.9%
44.4%	416	422	6	1.5%
45.7%	415	420	5	1.2%
46.9%	414	419	5	1.3%
48.1%	412	419	7	1.6%
49.4%	411	418	7	1.7%
50.6%	410	414	4	0.9%
51.9%	410	413	3	0.8%
53.1%	409	413	5	1.1%
54.3%	408	412	4	0.9%
55.6%	408	412	4	0.9%
56.8%	408	412	4	0.9%
58.0%	408	411	3	0.8%
59.3%	406	411	5	1.3%
60.5%	405	409	4	1.1%
61.7%	404	408	4	0.9%
63.0%	404	406	2	0.6%
64.2%	403	405	3	0.7%
65.4%	402	405	3	0.7%
66.7%	401	403	2	0.5%
67.9%	401	401	1	0.1%
69.1%	400	395	-6	-1.4%
70.4%	399	393	-6	-1.5%
71.6%	398	389	-10	-2.4%
72.8%	398	389	-9	-2.4%
74.1%	398	388	-10	-2.6%
75.3%	396	387	-9	-2.2%
76.5%	395	385	-10	-2.5%
77.8%	395	384	-11	-2.9%
79.0%	393	383	-10	-2.5%
80.2%	391	383	-8	-2.0%
81.5%	391	383	-8	-2.1%
82.7%	388	381	-7	-1.9%
84.0%	387	379	-9	-2.2%
85.2%	384	378	-6	-1.7%
86.4%	382	378	-4	-1.1%
87.7%	381	377	-5	-1.3%
88.9%	380	376	-4	-0.9%
90.1%	379	374	-4	-1.1%
91.4%	376	374	-2	-0.5%
92.6%	372	369	-3	-0.7%
93.8%	371	367	-3	-0.9%
95.1%	370	367	-3	-0.8%
96.3%	370	356	-14	-3.7%
97.5%	370	354	-15	-4.1%
98.8%	364	354	-10	-2.8%
100.0%	342	353	12	3.4%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	501	498	-3	-0.6%
2.5%	489	491	2	0.4%
3.7%	477	489	12	2.5%
4.9%	475	477	2	0.5%
6.2%	475	476	2	0.3%
7.4%	471	471	0	0.0%
8.6%	469	470	1	0.1%
9.9%	469	467	-2	-0.5%
11.1%	467	466	-1	-0.2%
12.3%	466	465	-1	-0.2%
13.6%	463	465	2	0.4%
14.8%	462	464	2	0.4%
16.0%	460	464	4	0.9%
17.3%	454	464	9	2.1%
18.5%	453	462	9	2.1%
19.8%	450	462	12	2.6%
21.0%	450	461	12	2.6%
22.2%	449	460	12	2.6%
23.5%	447	459	11	2.5%
24.7%	447	458	11	2.5%
25.9%	446	456	10	2.2%
27.2%	445	456	10	2.3%
28.4%	445	455	10	2.3%
29.6%	444	455	10	2.3%
30.9%	443	454	12	2.6%
32.1%	443	454	12	2.6%
33.3%	441	454	13	2.9%
34.6%	440	453	13	2.9%
35.8%	440	452	12	2.7%
37.0%	440	452	12	2.7%
38.3%	439	449	10	2.2%
39.5%	439	449	10	2.3%
40.7%	438	447	9	2.0%
42.0%	434	446	12	2.8%
43.2%	433	445	12	2.7%
44.4%	432	444	11	2.6%
45.7%	432	443	11	2.6%
46.9%	432	443	11	2.6%
48.1%	429	441	13	3.0%
49.4%	428	439	11	2.5%
50.6%	426	438	12	2.7%
51.9%	425	437	12	2.8%
53.1%	425	434	9	2.2%
54.3%	425	434	9	2.1%
55.6%	422	432	10	2.5%
56.8%	422	431	9	2.2%
58.0%	420	430	10	2.4%
59.3%	419	429	10	2.4%
60.5%	418	429	11	2.6%
61.7%	418	429	11	2.6%
63.0%	417	429	11	2.7%
64.2%	417	425	9	2.1%
65.4%	415	425	10	2.5%
66.7%	413	422	9	2.2%
67.9%	413	416	4	0.9%
69.1%	412	414	2	0.4%
70.4%	411	414	2	0.5%
71.6%	411	413	2	0.4%
72.8%	411	413	2	0.4%
74.1%	411	411	1	0.2%
75.3%	409	411	2	0.5%
76.5%	408	406	-2	-0.5%
77.8%	405	405	-1	-0.1%
79.0%	405	404	-1	-0.3%
80.2%	404	403	0	-0.1%
81.5%	403	403	0	0.0%
82.7%	401	399	-2	-0.6%
84.0%	398	398	1	0.2%
85.2%	393	397	4	0.9%
86.4%	389	395	6	1.6%
87.7%	387	394	8	1.9%
88.9%	386	394	8	2.0%
90.1%	385	392	8	2.0%
91.4%	383	392	9	2.3%
92.6%	381	391	10	2.7%
93.8%	377	389	12	3.3%
95.1%	376	386	10	2.5%
96.3%	373	384	11	3.0%
97.5%	373	381	8	2.1%
98.8%	358	378	20	5.5%
100.0%	357	376	18	5.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	530	526	-4	-0.8%
2.5%	515	515	0	0.0%
3.7%	513	513	0	0.0%
4.9%	508	510	2	0.4%
6.2%	507	508	1	0.2%
7.4%	501	507	7	1.3%
8.6%	499	506	7	1.3%
9.9%	499	504	5	1.0%
11.1%	499	504	5	1.0%
12.3%	498	503	6	1.1%
13.6%	497	503	6	1.1%
14.8%	496	498	2	0.5%
16.0%	496	498	2	0.4%
17.3%	492	492	0	-0.1%
18.5%	491	491	0	0.0%
19.8%	490	491	1	0.2%
21.0%	487	491	4	0.9%
22.2%	484	489	5	1.1%
23.5%	483	489	6	1.3%
24.7%	483	488	6	1.2%
25.9%	480	486	6	1.2%
27.2%	480	485	6	1.2%
28.4%	479	485	6	1.3%
29.6%	477	482	5	1.0%
30.9%	476	482	6	1.2%
32.1%	476	481	5	1.1%
33.3%	474	480	6	1.3%
34.6%	473	480	7	1.4%
35.8%	473	480	6	1.4%
37.0%	473	480	7	1.4%
38.3%	473	478	6	1.2%
39.5%	471	478	7	1.4%
40.7%	468	478	10	2.1%
42.0%	467	477	10	2.2%
43.2%	467	476	9	1.9%
44.4%	466	476	9	1.9%
45.7%	464	475	11	2.4%
46.9%	464	475	11	2.5%
48.1%	463	474	11	2.4%
49.4%	462	474	12	2.7%
50.6%	461	474	13	2.7%
51.9%	461	472	12	2.5%
53.1%	461	470	9	2.0%
54.3%	460	470	10	2.2%
55.6%	458	469	11	2.4%
56.8%	457	467	10	2.1%
58.0%	456	466	10	2.2%
59.3%	456	466	10	2.2%
60.5%	456	466	10	2.3%
61.7%	456	465	10	2.2%
63.0%	455	464	9	2.0%
64.2%	454	462	8	1.7%
65.4%	453	462	9	2.0%
66.7%	453	460	7	1.6%
67.9%	452	459	7	1.5%
69.1%	452	458	6	1.4%
70.4%	451	458	7	1.5%
71.6%	448	454	6	1.3%
72.8%	447	451	4	0.9%
74.1%	442	451	9	1.9%
75.3%	440	447	7	1.6%
76.5%	437	445	8	1.9%
77.8%	436	443	7	1.6%
79.0%	436	441	5	1.2%
80.2%	435	434	-1	-0.3%
81.5%	434	429	-5	-1.0%
82.7%	431	428	-2	-0.5%
84.0%	429	427	-2	-0.4%
85.2%	425	427	1	0.3%
86.4%	424	424	0	0.1%
87.7%	423	424	0	0.1%
88.9%	422	422	0	0.0%
90.1%	419	419	0	-0.1%
91.4%	417	419	2	0.4%
92.6%	415	419	3	0.8%
93.8%	414	418	5	1.2%
95.1%	412	411	-1	-0.2%
96.3%	406	407	1	0.2%
97.5%	405	399	-6	-1.4%
98.8%	403	399	-5	-1.2%
100.0%	403	395	-8	-2.0%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	540	-1	-0.2%
2.5%	541	538	-3	-0.6%
3.7%	540	536	-4	-0.7%
4.9%	535	533	-2	-0.4%
6.2%	529	531	2	0.4%
7.4%	528	529	2	0.4%
8.6%	523	523	0	0.0%
9.9%	521	521	0	0.1%
11.1%	517	521	4	0.8%
12.3%	516	515	-1	-0.3%
13.6%	516	515	-1	-0.3%
14.8%	516	513	-3	-0.6%
16.0%	515	512	-3	-0.6%
17.3%	515	510	-5	-1.0%
18.5%	514	509	-5	-1.1%
19.8%	514	509	-5	-1.0%
21.0%	513	508	-5	-0.9%
22.2%	510	508	-2	-0.4%
23.5%	510	508	-2	-0.4%
24.7%	507	506	-1	-0.1%
25.9%	503	506	3	0.6%
27.2%	501	505	4	0.9%
28.4%	501	503	3	0.5%
29.6%	500	503	3	0.5%
30.9%	500	502	2	0.5%
32.1%	498	502	4	0.8%
33.3%	498	502	3	0.7%
34.6%	498	501	4	0.8%
35.8%	495	501	6	1.1%
37.0%	495	501	6	1.2%
38.3%	495	499	4	0.9%
39.5%	493	497	4	0.8%
40.7%	492	496	4	0.8%
42.0%	489	496	6	1.3%
43.2%	486	496	10	2.0%
44.4%	486	493	7	1.5%
45.7%	485	492	8	1.6%
46.9%	484	491	7	1.5%
48.1%	483	491	8	1.6%
49.4%	483	490	7	1.5%
50.6%	481	488	8	1.6%
51.9%	481	488	8	1.7%
53.1%	479	488	9	1.9%
54.3%	478	486	8	1.7%
55.6%	477	486	9	1.9%
56.8%	475	485	10	2.1%
58.0%	474	484	10	2.1%
59.3%	474	483	10	2.0%
60.5%	474	482	9	1.8%
61.7%	474	480	7	1.5%
63.0%	473	480	7	1.6%
64.2%	470	480	10	2.1%
65.4%	470	479	9	2.0%
66.7%	468	479	11	2.4%
67.9%	466	478	12	2.5%
69.1%	464	476	13	2.8%
70.4%	463	473	10	2.2%
71.6%	462	471	10	2.1%
72.8%	461	470	8	1.8%
74.1%	461	468	7	1.6%
75.3%	459	467	8	1.7%
76.5%	459	467	7	1.6%
77.8%	457	464	7	1.5%
79.0%	456	461	5	1.0%
80.2%	453	458	5	1.1%
81.5%	450	452	2	0.4%
82.7%	449	452	2	0.5%
84.0%	449	451	2	0.3%
85.2%	449	450	1	0.2%
86.4%	449	447	-1	-0.3%
87.7%	445	447	2	0.5%
88.9%	443	442	-1	-0.2%
90.1%	441	442	1	0.2%
91.4%	439	441	2	0.4%
92.6%	435	441	6	1.4%
93.8%	432	441	9	2.1%
95.1%	431	438	7	1.7%
96.3%	423	438	15	3.6%
97.5%	421	422	1	0.1%
98.8%	420	421	1	0.2%
100.0%	419	418	-1	-0.2%

Table SW-42-7b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	-0.1%
8.6%	541	540	-1	-0.1%
9.9%	541	539	-2	-0.4%
11.1%	535	537	2	0.4%
12.3%	533	534	2	0.3%
13.6%	533	534	1	0.2%
14.8%	532	533	1	0.2%
16.0%	532	531	-1	-0.2%
17.3%	531	530	-1	-0.2%
18.5%	530	529	-1	-0.2%
19.8%	530	526	-4	-0.8%
21.0%	530	522	-8	-1.5%
22.2%	526	521	-6	-1.1%
23.5%	524	519	-5	-1.0%
24.7%	523	519	-4	-0.7%
25.9%	521	518	-3	-0.6%
27.2%	520	517	-3	-0.6%
28.4%	518	517	-1	-0.3%
29.6%	518	516	-2	-0.4%
30.9%	517	515	-1	-0.2%
32.1%	514	515	1	0.3%
33.3%	512	514	2	0.4%
34.6%	511	512	1	0.2%
35.8%	511	512	1	0.1%
37.0%	510	510	0	0.0%
38.3%	508	510	2	0.4%
39.5%	504	509	5	1.0%
40.7%	501	507	6	1.1%
42.0%	501	506	6	1.2%
43.2%	501	506	5	1.1%
44.4%	500	505	6	1.1%
45.7%	498	505	7	1.5%
46.9%	497	503	6	1.3%
48.1%	495	501	6	1.2%
49.4%	494	501	7	1.5%
50.6%	494	500	7	1.3%
51.9%	493	500	7	1.3%
53.1%	491	498	7	1.4%
54.3%	491	498	6	1.3%
55.6%	489	497	8	1.6%
56.8%	488	497	9	1.8%
58.0%	488	496	8	1.7%
59.3%	486	495	9	1.9%
60.5%	485	491	6	1.3%
61.7%	484	489	5	1.1%
63.0%	482	489	7	1.5%
64.2%	482	486	5	1.0%
65.4%	479	486	7	1.4%
66.7%	479	485	7	1.4%
67.9%	479	485	7	1.4%
69.1%	477	483	6	1.4%
70.4%	475	483	8	1.7%
71.6%	475	481	6	1.3%
72.8%	474	481	6	1.4%
74.1%	473	478	5	1.0%
75.3%	471	476	5	1.0%
76.5%	471	476	4	0.9%
77.8%	471	473	3	0.5%
79.0%	468	472	4	1.0%
80.2%	467	471	3	0.7%
81.5%	464	470	6	1.3%
82.7%	463	470	7	1.5%
84.0%	462	470	8	1.7%
85.2%	459	466	6	1.4%
86.4%	459	465	6	1.3%
87.7%	456	465	9	2.0%
88.9%	454	462	7	1.6%
90.1%	454	461	7	1.4%
91.4%	454	460	6	1.2%
92.6%	452	458	6	1.3%
93.8%	450	453	4	0.9%
95.1%	442	452	10	2.2%
96.3%	442	437	-5	-1.0%
97.5%	440	434	-5	-1.2%
98.8%	427	432	5	1.1%
100.0%	424	429	5	1.2%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	537	539	2	0.4%
16.0%	537	538	1	0.2%
17.3%	535	535	0	0.0%
18.5%	535	534	-1	-0.2%
19.8%	533	534	0	0.1%
21.0%	530	533	3	0.6%
22.2%	529	533	4	0.7%
23.5%	529	532	4	0.7%
24.7%	528	532	4	0.7%
25.9%	526	531	5	0.9%
27.2%	525	530	5	1.0%
28.4%	524	530	5	1.0%
29.6%	524	529	5	0.9%
30.9%	524	527	3	0.5%
32.1%	523	526	3	0.6%
33.3%	522	523	1	0.1%
34.6%	522	521	-1	-0.2%
35.8%	522	521	-1	-0.2%
37.0%	521	518	-3	-0.5%
38.3%	521	517	-3	-0.7%
39.5%	521	514	-7	-1.3%
40.7%	520	511	-9	-1.6%
42.0%	519	511	-8	-1.6%
43.2%	515	510	-5	-1.0%
44.4%	515	509	-5	-1.0%
45.7%	513	509	-4	-0.8%
46.9%	509	509	0	0.0%
48.1%	507	509	2	0.4%
49.4%	506	507	1	0.2%
50.6%	506	506	0	0.0%
51.9%	505	505	-1	-0.1%
53.1%	505	504	0	-0.1%
54.3%	504	503	-1	-0.1%
55.6%	503	502	-1	-0.2%
56.8%	503	501	-1	-0.3%
58.0%	501	500	-1	-0.2%
59.3%	499	500	1	0.2%
60.5%	496	498	2	0.5%
61.7%	495	498	3	0.7%
63.0%	492	497	6	1.2%
64.2%	489	497	8	1.5%
65.4%	489	496	7	1.5%
66.7%	488	493	5	0.9%
67.9%	488	492	4	0.8%
69.1%	486	489	3	0.6%
70.4%	486	489	3	0.5%
71.6%	484	488	4	0.8%
72.8%	483	486	3	0.6%
74.1%	483	482	-1	-0.1%
75.3%	481	481	0	-0.1%
76.5%	481	479	-2	-0.3%
77.8%	480	479	0	-0.1%
79.0%	477	479	1	0.3%
80.2%	477	476	-1	-0.1%
81.5%	476	475	-1	-0.2%
82.7%	476	474	-2	-0.3%
84.0%	476	474	-2	-0.5%
85.2%	473	470	-2	-0.5%
86.4%	470	469	0	0.0%
87.7%	468	469	0	0.0%
88.9%	463	467	4	0.9%
90.1%	463	466	3	0.6%
91.4%	458	464	6	1.3%
92.6%	455	464	8	1.8%
93.8%	453	456	3	0.6%
95.1%	450	453	3	0.6%
96.3%	445	448	4	0.8%
97.5%	441	432	-9	-2.1%
98.8%	436	432	-4	-0.9%
100.0%	418	428	11	2.6%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	531	531	0	0.0%
3.7%	525	524	-1	-0.3%
4.9%	524	524	0	0.0%
6.2%	523	522	-1	-0.2%
7.4%	523	522	-1	-0.3%
8.6%	522	521	-1	-0.2%
9.9%	518	520	2	0.4%
11.1%	517	516	0	-0.1%
12.3%	516	516	-1	-0.1%
13.6%	516	516	0	0.0%
14.8%	515	515	0	0.0%
16.0%	515	515	0	0.0%
17.3%	514	515	1	0.1%
18.5%	513	514	1	0.2%
19.8%	512	513	1	0.2%
21.0%	510	512	3	0.5%
22.2%	509	512	2	0.4%
23.5%	507	511	3	0.6%
24.7%	507	510	3	0.5%
25.9%	507	508	1	0.2%
27.2%	507	508	1	0.3%
28.4%	506	506	0	0.0%
29.6%	505	506	1	0.3%
30.9%	504	502	-2	-0.4%
32.1%	502	501	-1	-0.2%
33.3%	501	500	-1	-0.2%
34.6%	498	498	0	-0.1%
35.8%	496	498	2	0.3%
37.0%	496	497	1	0.1%
38.3%	496	495	-1	-0.2%
39.5%	496	493	-2	-0.5%
40.7%	495	492	-3	-0.6%
42.0%	495	488	-6	-1.3%
43.2%	493	488	-5	-1.0%
44.4%	492	488	-5	-1.0%
45.7%	491	486	-6	-1.1%
46.9%	489	484	-5	-1.1%
48.1%	488	484	-4	-0.8%
49.4%	487	483	-4	-0.8%
50.6%	484	483	-1	-0.2%
51.9%	483	483	0	-0.1%
53.1%	481	482	1	0.2%
54.3%	480	479	-1	-0.2%
55.6%	479	476	-3	-0.6%
56.8%	478	476	-2	-0.4%
58.0%	477	474	-4	-0.8%
59.3%	477	473	-4	-0.9%
60.5%	476	473	-3	-0.6%
61.7%	472	473	1	0.1%
63.0%	471	472	2	0.4%
64.2%	470	472	1	0.2%
65.4%	468	467	-1	-0.2%
66.7%	464	466	2	0.4%
67.9%	461	466	4	1.0%
69.1%	460	465	5	1.1%
70.4%	460	465	5	1.1%
71.6%	460	463	3	0.7%
72.8%	459	462	3	0.7%
74.1%	458	461	3	0.7%
75.3%	457	459	2	0.4%
76.5%	457	458	1	0.3%
77.8%	457	457	0	0.0%
79.0%	457	457	0	0.0%
80.2%	457	453	-3	-0.7%
81.5%	456	452	-4	-0.9%
82.7%	455	450	-6	-1.3%
84.0%	452	449	-3	-0.7%
85.2%	448	448	0	0.0%
86.4%	448	448	0	-0.1%
87.7%	447	446	-1	-0.1%
88.9%	446	446	0	0.0%
90.1%	442	445	3	0.6%
91.4%	439	443	5	1.1%
92.6%	435	443	8	1.8%
93.8%	431	435	5	1.1%
95.1%	430	434	3	0.8%
96.3%	429	427	-2	-0.5%
97.5%	424	421	-2	-0.6%
98.8%	420	420	0	0.0%
100.0%	408	413	5	1.1%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	533	534	0	0.1%
2.5%	526	517	-8	-1.6%
3.7%	515	515	0	0.0%
4.9%	503	504	1	0.2%
6.2%	499	502	3	0.7%
7.4%	498	497	-1	-0.1%
8.6%	496	494	-2	-0.4%
9.9%	495	488	-7	-1.4%
11.1%	489	487	-2	-0.4%
12.3%	489	487	-2	-0.4%
13.6%	487	486	-2	-0.4%
14.8%	487	483	-4	-0.8%
16.0%	483	482	-1	-0.2%
17.3%	483	481	-2	-0.4%
18.5%	478	476	-1	-0.3%
19.8%	476	476	0	0.1%
21.0%	475	474	-1	-0.2%
22.2%	474	474	-1	-0.1%
23.5%	474	473	-1	-0.2%
24.7%	473	473	0	-0.1%
25.9%	473	471	-3	-0.5%
27.2%	473	470	-3	-0.7%
28.4%	472	469	-3	-0.7%
29.6%	472	469	-3	-0.7%
30.9%	468	468	0	-0.1%
32.1%	467	468	1	0.2%
33.3%	465	467	2	0.5%
34.6%	464	467	2	0.5%
35.8%	463	465	3	0.5%
37.0%	463	462	-1	-0.2%
38.3%	460	461	1	0.1%
39.5%	459	458	-1	-0.1%
40.7%	459	457	-2	-0.5%
42.0%	458	455	-4	-0.8%
43.2%	457	453	-5	-1.0%
44.4%	457	452	-5	-1.0%
45.7%	456	449	-7	-1.6%
46.9%	456	448	-8	-1.8%
48.1%	455	448	-7	-1.5%
49.4%	454	444	-10	-2.2%
50.6%	452	442	-11	-2.4%
51.9%	452	440	-11	-2.5%
53.1%	450	440	-10	-2.2%
54.3%	447	438	-9	-2.1%
55.6%	442	437	-4	-1.0%
56.8%	441	436	-6	-1.3%
58.0%	440	434	-6	-1.4%
59.3%	440	434	-7	-1.5%
60.5%	435	433	-1	-0.3%
61.7%	434	432	-2	-0.5%
63.0%	433	431	-2	-0.4%
64.2%	433	431	-1	-0.3%
65.4%	432	431	-1	-0.2%
66.7%	431	431	-1	-0.1%
67.9%	428	429	1	0.2%
69.1%	428	428	0	0.1%
70.4%	422	425	3	0.7%
71.6%	422	425	3	0.8%
72.8%	422	425	3	0.7%
74.1%	422	425	3	0.7%
75.3%	420	424	4	0.9%
76.5%	420	420	1	0.1%
77.8%	420	420	1	0.2%
79.0%	419	416	-4	-0.9%
80.2%	418	414	-4	-1.0%
81.5%	416	413	-3	-0.7%
82.7%	414	412	-3	-0.7%
84.0%	414	410	-4	-0.9%
85.2%	413	410	-3	-0.7%
86.4%	411	409	-2	-0.4%
87.7%	409	407	-2	-0.4%
88.9%	407	406	-1	-0.3%
90.1%	402	406	3	0.9%
91.4%	400	405	5	1.2%
92.6%	399	404	5	1.4%
93.8%	398	402	4	1.0%
95.1%	398	401	3	0.9%
96.3%	397	397	0	-0.1%
97.5%	393	395	2	0.5%
98.8%	389	388	0	-0.1%
100.0%	384	386	2	0.5%

Table SW-42-7b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	534	534	0	0.0%
1.2%	524	525	1	0.1%
2.5%	515	508	-7	-1.4%
3.7%	492	491	-1	-0.1%
4.9%	480	480	0	0.0%
6.2%	477	476	-1	-0.1%
7.4%	473	473	0	0.1%
8.6%	471	473	3	0.6%
9.9%	469	473	4	0.8%
11.1%	468	468	1	0.1%
12.3%	468	464	-4	-0.9%
13.6%	465	462	-3	-0.7%
14.8%	462	459	-4	-0.8%
16.0%	460	454	-5	-1.1%
17.3%	450	448	-2	-0.4%
18.5%	448	448	0	0.0%
19.8%	446	446	1	0.1%
21.0%	443	443	-1	-0.2%
22.2%	443	438	-5	-1.0%
23.5%	442	437	-5	-1.2%
24.7%	442	436	-6	-1.4%
25.9%	442	436	-6	-1.3%
27.2%	441	436	-5	-1.2%
28.4%	435	432	-3	-0.8%
29.6%	434	428	-6	-1.4%
30.9%	429	424	-6	-1.3%
32.1%	428	423	-5	-1.2%
33.3%	427	423	-4	-0.9%
34.6%	426	420	-6	-1.3%
35.8%	426	420	-5	-1.3%
37.0%	425	419	-6	-1.4%
38.3%	424	419	-5	-1.2%
39.5%	423	416	-7	-1.6%
40.7%	423	415	-8	-1.8%
42.0%	422	415	-8	-1.9%
43.2%	422	414	-8	-1.9%
44.4%	417	410	-6	-1.5%
45.7%	416	404	-12	-3.0%
46.9%	415	403	-12	-2.8%
48.1%	414	403	-11	-2.7%
49.4%	413	401	-12	-2.9%
50.6%	408	400	-8	-2.0%
51.9%	408	398	-10	-2.3%
53.1%	407	393	-14	-3.5%
54.3%	407	391	-16	-4.0%
55.6%	405	390	-15	-3.7%
56.8%	404	390	-14	-3.6%
58.0%	403	390	-13	-3.3%
59.3%	396	388	-7	-1.9%
60.5%	395	388	-8	-2.0%
61.7%	394	387	-7	-1.7%
63.0%	391	385	-6	-1.5%
64.2%	390	385	-6	-1.5%
65.4%	387	382	-4	-1.1%
66.7%	386	382	-4	-0.9%
67.9%	384	382	-2	-0.5%
69.1%	381	381	-1	-0.1%
70.4%	381	380	0	-0.1%
71.6%	380	380	0	0.0%
72.8%	379	379	0	-0.1%
74.1%	379	378	-1	-0.2%
75.3%	379	377	-2	-0.4%
76.5%	376	372	-4	-1.0%
77.8%	375	372	-3	-0.8%
79.0%	375	370	-5	-1.3%
80.2%	372	369	-3	-0.8%
81.5%	368	367	-1	-0.2%
82.7%	367	365	-2	-0.7%
84.0%	367	364	-3	-0.7%
85.2%	365	364	-2	-0.4%
86.4%	365	362	-3	-0.8%
87.7%	363	361	-1	-0.4%
88.9%	362	360	-2	-0.6%
90.1%	359	360	0	0.1%
91.4%	359	356	-3	-0.7%
92.6%	358	355	-2	-0.7%
93.8%	356	355	-1	-0.2%
95.1%	352	355	4	1.0%
96.3%	350	355	5	1.5%
97.5%	350	349	-1	-0.2%
98.8%	348	345	-3	-1.0%
100.0%	339	344	5	1.4%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	523	0	0.0%
1.2%	513	514	1	0.2%
2.5%	494	487	-7	-1.4%
3.7%	471	473	2	0.4%
4.9%	462	463	1	0.2%
6.2%	461	461	0	0.1%
7.4%	460	460	0	0.1%
8.6%	458	457	-1	-0.2%
9.9%	458	451	-7	-1.5%
11.1%	458	450	-8	-1.6%
12.3%	455	445	-10	-2.2%
13.6%	451	437	-14	-3.1%
14.8%	443	435	-8	-1.7%
16.0%	439	433	-5	-1.2%
17.3%	436	431	-5	-1.2%
18.5%	436	430	-6	-1.3%
19.8%	435	429	-6	-1.4%
21.0%	434	426	-8	-1.8%
22.2%	433	426	-8	-1.7%
23.5%	432	425	-7	-1.6%
24.7%	429	422	-8	-1.8%
25.9%	429	416	-13	-3.1%
27.2%	424	415	-9	-2.1%
28.4%	422	414	-8	-2.0%
29.6%	421	414	-8	-1.8%
30.9%	420	412	-8	-2.0%
32.1%	420	411	-9	-2.1%
33.3%	420	411	-9	-2.2%
34.6%	420	410	-10	-2.3%
35.8%	416	409	-7	-1.6%
37.0%	416	409	-7	-1.6%
38.3%	415	407	-8	-1.9%
39.5%	415	402	-13	-3.1%
40.7%	413	401	-12	-2.9%
42.0%	413	400	-13	-3.1%
43.2%	413	400	-13	-3.2%
44.4%	409	399	-9	-2.3%
45.7%	407	399	-8	-1.9%
46.9%	406	396	-10	-2.4%
48.1%	402	393	-9	-2.1%
49.4%	401	393	-8	-2.1%
50.6%	401	391	-10	-2.4%
51.9%	401	389	-12	-2.9%
53.1%	401	388	-13	-3.3%
54.3%	400	383	-17	-4.3%
55.6%	397	383	-15	-3.7%
56.8%	397	382	-15	-3.8%
58.0%	396	381	-15	-3.7%
59.3%	394	380	-13	-3.4%
60.5%	390	380	-10	-2.6%
61.7%	387	380	-8	-2.0%
63.0%	382	379	-3	-0.7%
64.2%	380	375	-5	-1.3%
65.4%	379	375	-4	-1.1%
66.7%	379	374	-5	-1.3%
67.9%	376	373	-3	-0.7%
69.1%	375	373	-2	-0.5%
70.4%	373	373	-1	-0.2%
71.6%	372	372	0	0.0%
72.8%	369	370	1	0.2%
74.1%	368	367	-1	-0.3%
75.3%	367	364	-4	-1.0%
76.5%	365	362	-3	-0.8%
77.8%	365	362	-3	-0.9%
79.0%	364	361	-3	-0.9%
80.2%	361	361	-1	-0.3%
81.5%	360	359	-1	-0.2%
82.7%	359	358	-1	-0.2%
84.0%	358	358	0	-0.1%
85.2%	358	357	-1	-0.2%
86.4%	355	356	1	0.3%
87.7%	355	356	1	0.3%
88.9%	354	352	-2	-0.7%
90.1%	353	352	-1	-0.3%
91.4%	352	350	-2	-0.7%
92.6%	352	349	-3	-0.8%
93.8%	347	349	2	0.5%
95.1%	346	348	3	0.8%
96.3%	345	346	1	0.3%
97.5%	345	346	1	0.2%
98.8%	336	343	7	2.2%
100.0%	331	343	12	3.5%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	509	508	0	-0.1%
1.2%	494	495	1	0.2%
2.5%	473	467	-6	-1.3%
3.7%	458	462	4	0.9%
4.9%	449	443	-6	-1.3%
6.2%	448	439	-9	-2.0%
7.4%	446	437	-9	-1.9%
8.6%	438	435	-3	-0.6%
9.9%	437	426	-11	-2.5%
11.1%	436	423	-13	-2.9%
12.3%	429	417	-11	-2.7%
13.6%	426	417	-8	-2.0%
14.8%	426	416	-9	-2.2%
16.0%	425	415	-10	-2.3%
17.3%	422	414	-8	-2.0%
18.5%	421	414	-7	-1.6%
19.8%	420	411	-9	-2.0%
21.0%	419	410	-10	-2.3%
22.2%	419	409	-10	-2.4%
23.5%	417	408	-8	-2.0%
24.7%	415	408	-7	-1.7%
25.9%	415	407	-8	-1.9%
27.2%	413	406	-7	-1.8%
28.4%	413	404	-9	-2.1%
29.6%	412	404	-9	-2.1%
30.9%	412	404	-8	-2.0%
32.1%	411	403	-8	-1.8%
33.3%	409	402	-7	-1.7%
34.6%	406	401	-5	-1.2%
35.8%	405	401	-3	-0.9%
37.0%	404	400	-4	-1.0%
38.3%	403	399	-4	-0.9%
39.5%	402	398	-4	-1.1%
40.7%	401	397	-4	-1.0%
42.0%	401	397	-4	-1.1%
43.2%	401	397	-4	-1.1%
44.4%	400	397	-3	-0.8%
45.7%	397	396	-1	-0.2%
46.9%	396	394	-2	-0.6%
48.1%	395	393	-2	-0.4%
49.4%	394	392	-2	-0.6%
50.6%	394	391	-4	-0.9%
51.9%	394	390	-3	-0.8%
53.1%	393	387	-6	-1.5%
54.3%	392	387	-5	-1.3%
55.6%	389	384	-5	-1.4%
56.8%	387	383	-4	-0.9%
58.0%	385	382	-3	-0.7%
59.3%	384	382	-2	-0.5%
60.5%	384	381	-3	-0.9%
61.7%	381	376	-5	-1.4%
63.0%	376	375	-1	-0.3%
64.2%	376	374	-3	-0.7%
65.4%	376	373	-3	-0.7%
66.7%	375	373	-3	-0.8%
67.9%	375	373	-3	-0.7%
69.1%	374	372	-2	-0.6%
70.4%	373	369	-5	-1.3%
71.6%	373	366	-7	-2.0%
72.8%	370	365	-5	-1.4%
74.1%	370	365	-5	-1.3%
75.3%	369	365	-5	-1.3%
76.5%	369	364	-5	-1.3%
77.8%	368	364	-5	-1.3%
79.0%	366	362	-4	-1.1%
80.2%	366	362	-4	-1.1%
81.5%	365	361	-5	-1.3%
82.7%	362	360	-2	-0.6%
84.0%	361	359	-2	-0.5%
85.2%	359	358	-1	-0.3%
86.4%	359	357	-2	-0.5%
87.7%	358	357	-1	-0.2%
88.9%	356	356	0	0.0%
90.1%	355	354	-2	-0.5%
91.4%	355	353	-2	-0.5%
92.6%	355	352	-3	-0.8%
93.8%	349	351	2	0.6%
95.1%	347	350	3	0.7%
96.3%	346	349	2	0.7%
97.5%	344	348	4	1.2%
98.8%	340	346	5	1.6%
100.0%	331	340	9	2.7%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative C End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	518	516	-2	-0.3%
1.2%	463	496	33	7.2%
2.5%	459	476	17	3.8%
3.7%	457	473	16	3.6%
4.9%	449	453	3	0.8%
6.2%	446	444	-3	-0.6%
7.4%	445	439	-7	-1.6%
8.6%	440	438	-2	-0.5%
9.9%	438	437	-1	-0.3%
11.1%	435	432	-3	-0.8%
12.3%	434	432	-2	-0.6%
13.6%	434	431	-3	-0.7%
14.8%	433	429	-4	-0.9%
16.0%	428	428	0	0.0%
17.3%	428	428	0	0.0%
18.5%	426	425	-1	-0.2%
19.8%	426	425	-1	-0.2%
21.0%	424	425	0	0.1%
22.2%	424	424	0	0.0%
23.5%	424	421	-3	-0.7%
24.7%	424	421	-3	-0.6%
25.9%	421	419	-3	-0.6%
27.2%	421	418	-3	-0.7%
28.4%	421	418	-3	-0.6%
29.6%	420	417	-3	-0.7%
30.9%	420	417	-3	-0.7%
32.1%	420	417	-3	-0.7%
33.3%	419	414	-5	-1.1%
34.6%	419	414	-5	-1.3%
35.8%	417	413	-4	-1.0%
37.0%	416	412	-4	-1.0%
38.3%	416	410	-6	-1.4%
39.5%	415	410	-5	-1.3%
40.7%	414	410	-4	-1.0%
42.0%	412	409	-3	-0.8%
43.2%	410	409	-2	-0.5%
44.4%	410	408	-2	-0.4%
45.7%	410	408	-2	-0.5%
46.9%	408	407	-1	-0.2%
48.1%	407	407	0	0.0%
49.4%	406	407	0	0.1%
50.6%	405	407	1	0.3%
51.9%	404	404	0	0.1%
53.1%	404	399	-6	-1.4%
54.3%	404	398	-6	-1.5%
55.6%	404	398	-6	-1.4%
56.8%	404	397	-7	-1.7%
58.0%	403	395	-8	-2.0%
59.3%	400	394	-6	-1.4%
60.5%	400	394	-6	-1.4%
61.7%	399	394	-5	-1.4%
63.0%	394	393	-1	-0.3%
64.2%	394	392	-2	-0.4%
65.4%	393	392	0	-0.1%
66.7%	392	392	-1	-0.2%
67.9%	392	390	-2	-0.5%
69.1%	391	390	-1	-0.4%
70.4%	390	386	-4	-1.1%
71.6%	387	384	-4	-0.9%
72.8%	387	383	-4	-1.0%
74.1%	385	383	-3	-0.7%
75.3%	385	380	-5	-1.3%
76.5%	382	379	-4	-0.9%
77.8%	382	378	-4	-1.1%
79.0%	380	376	-4	-1.1%
80.2%	379	375	-3	-0.8%
81.5%	378	375	-3	-0.8%
82.7%	374	375	1	0.3%
84.0%	373	375	2	0.5%
85.2%	372	373	1	0.3%
86.4%	372	371	-1	-0.2%
87.7%	368	371	3	0.8%
88.9%	367	370	3	0.7%
90.1%	365	367	3	0.7%
91.4%	361	367	6	1.6%
92.6%	361	367	6	1.5%
93.8%	361	365	5	1.3%
95.1%	361	365	4	1.2%
96.3%	360	362	2	0.6%
97.5%	358	360	3	0.7%
98.8%	356	355	-1	-0.4%
100.0%	340	343	3	0.9%

Table SW-43-7a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	8,446	9,000	10,242	10,894	11,302	11,556	10,908	9,799	8,273	7,838	7,568	8,067
Alternative C	8,464	9,285	10,400	11,027	11,404	11,580	10,905	9,745	8,095	7,610	7,387	8,025
Difference	18	285	158	133	103	24	-3	-54	-178	-228	-181	-43
Percent Difference[3]	0.2%	3.2%	1.5%	1.2%	0.9%	0.2%	0.0%	-0.5%	-2.1%	-2.9%	-2.4%	-0.5%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,966	9,060	10,280	11,121	11,636	12,075	11,420	10,383	9,296	8,678	8,386	8,914
Alternative C	9,389	9,745	10,822	11,331	11,774	12,133	11,478	10,435	9,288	8,647	8,311	8,976
Difference	423	685	542	210	138	58	58	52	-8	-30	-75	62
Percent Difference	4.7%	7.6%	5.3%	1.9%	1.2%	0.5%	0.5%	0.5%	-0.1%	-0.3%	-0.9%	0.7%
Above Normal (15%)												
No Action Alternative	8,356	8,725	10,094	10,680	11,107	11,509	10,734	9,404	8,014	7,151	6,996	7,768
Alternative C	8,718	9,529	10,666	10,918	11,260	11,587	10,837	9,545	8,002	7,311	7,105	8,126
Difference	362	804	572	239	154	78	103	141	-12	159	109	358
Percent Difference	4.3%	9.2%	5.7%	2.2%	1.4%	0.7%	1.0%	1.5%	-0.1%	2.2%	1.6%	4.6%
Below Normal (17%)												
No Action Alternative	8,523	9,658	10,732	10,906	11,239	11,472	10,751	9,448	7,523	7,170	6,998	7,755
Alternative C	8,866	9,970	11,013	11,142	11,438	11,611	10,873	9,571	7,648	7,401	7,269	8,059
Difference	344	312	281	237	199	140	122	123	125	231	270	304
Percent Difference	4.0%	3.2%	2.6%	2.2%	1.8%	1.2%	1.1%	1.3%	1.7%	3.2%	3.9%	3.9%
Dry (22%)												
No Action Alternative	8,086	8,952	10,139	11,007	11,359	11,414	10,746	9,561	7,461	7,377	7,282	7,640
Alternative C	7,435	8,716	9,833	10,995	11,327	11,279	10,550	9,226	6,818	6,447	6,448	7,137
Difference	-651	-236	-305	-13	-32	-134	-196	-336	-642	-930	-834	-503
Percent Difference	-8.1%	-2.6%	-3.0%	-0.1%	-0.3%	-1.2%	-1.8%	-3.5%	-8.6%	-12.6%	-11.5%	-6.6%
Critical (15%)												
No Action Alternative	7,858	8,446	9,893	10,436	10,762	10,788	10,395	9,691	8,406	8,180	7,460	7,535
Alternative C	7,279	8,096	9,355	10,392	10,825	10,790	10,302	9,430	8,037	7,654	7,213	7,153
Difference	-578	-349	-537	-44	63	2	-94	-261	-369	-526	-247	-383
Percent Difference	-7.4%	-4.1%	-5.4%	-0.4%	0.6%	0.0%	-0.9%	-2.7%	-4.4%	-6.4%	-3.3%	-5.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-43-7b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

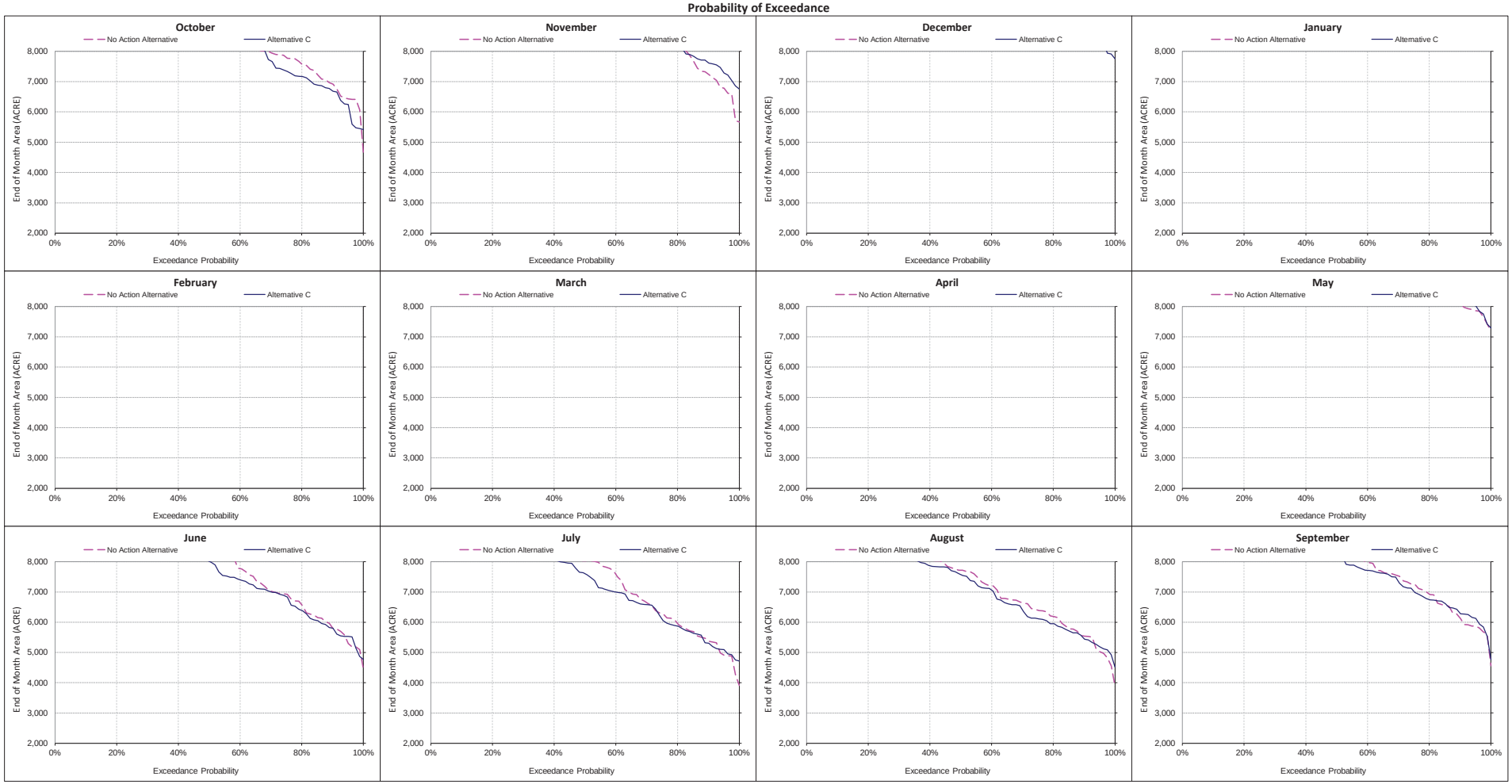

Table SW-43-7b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,351	12,303	-49	-0.4%
1.2%	10,811	11,755	944	8.7%
2.5%	10,695	11,094	399	3.7%
3.7%	10,581	10,825	244	2.3%
4.9%	10,347	10,474	127	1.2%
6.2%	10,051	10,229	178	1.8%
7.4%	10,022	9,929	-93	-0.9%
8.6%	9,830	9,892	62	0.6%
9.9%	9,759	9,698	-61	-0.6%
11.1%	9,692	9,696	4	0.0%
12.3%	9,530	9,642	112	1.2%
13.6%	9,468	9,598	130	1.4%
14.8%	9,410	9,593	184	2.0%
16.0%	9,407	9,512	106	1.1%
17.3%	9,390	9,510	120	1.3%
18.5%	9,377	9,501	124	1.3%
19.8%	9,347	9,474	126	1.4%
21.0%	9,310	9,469	159	1.7%
22.2%	9,245	9,438	193	2.1%
23.5%	9,234	9,432	198	2.1%
24.7%	9,208	9,429	221	2.4%
25.9%	9,191	9,391	200	2.2%
27.2%	9,156	9,372	216	2.4%
28.4%	9,152	9,369	217	2.4%
29.6%	9,132	9,325	193	2.1%
30.9%	9,091	9,315	224	2.5%
32.1%	8,991	9,308	317	3.5%
33.3%	8,917	9,180	263	3.0%
34.6%	8,884	9,166	282	3.2%
35.8%	8,856	9,104	248	2.8%
37.0%	8,849	9,084	236	2.7%
38.3%	8,786	9,055	269	3.1%
39.5%	8,753	9,002	249	2.8%
40.7%	8,700	8,997	297	3.4%
42.0%	8,685	8,993	308	3.5%
43.2%	8,654	8,960	307	3.5%
44.4%	8,644	8,882	239	2.8%
45.7%	8,619	8,809	190	2.2%
46.9%	8,572	8,777	205	2.4%
48.1%	8,511	8,776	265	3.1%
49.4%	8,460	8,731	271	3.2%
50.6%	8,416	8,564	148	1.8%
51.9%	8,410	8,548	139	1.7%
53.1%	8,359	8,544	186	2.2%
54.3%	8,347	8,499	152	1.8%
55.6%	8,345	8,495	149	1.8%
56.8%	8,331	8,486	154	1.9%
58.0%	8,322	8,463	140	1.7%
59.3%	8,236	8,458	222	2.7%
60.5%	8,193	8,384	191	2.3%
61.7%	8,175	8,339	164	2.0%
63.0%	8,145	8,250	105	1.3%
64.2%	8,094	8,214	120	1.5%
65.4%	8,072	8,191	119	1.5%
66.7%	8,025	8,119	94	1.2%
67.9%	8,014	8,041	27	0.3%
69.1%	7,996	7,728	-269	-3.4%
70.4%	7,941	7,661	-280	-3.5%
71.6%	7,901	7,444	-456	-5.8%
72.8%	7,887	7,434	-453	-5.7%
74.1%	7,876	7,385	-490	-6.2%
75.3%	7,772	7,337	-436	-5.6%
76.5%	7,764	7,268	-496	-6.4%
77.8%	7,752	7,191	-561	-7.2%
79.0%	7,671	7,174	-497	-6.5%
80.2%	7,557	7,166	-392	-5.2%
81.5%	7,535	7,123	-412	-5.5%
82.7%	7,411	7,027	-384	-5.2%
84.0%	7,365	6,915	-450	-6.1%
85.2%	7,222	6,884	-337	-4.7%
86.4%	7,088	6,866	-222	-3.1%
87.7%	7,066	6,801	-265	-3.7%
88.9%	6,969	6,773	-196	-2.8%
90.1%	6,913	6,683	-230	-3.3%
91.4%	6,756	6,659	-97	-1.4%
92.6%	6,526	6,381	-146	-2.2%
93.8%	6,463	6,267	-196	-3.0%
95.1%	6,429	6,248	-181	-2.8%
96.3%	6,415	5,596	-819	-12.8%
97.5%	6,410	5,478	-932	-14.5%
98.8%	6,073	5,449	-624	-10.3%
100.0%	4,642	5,417	775	16.7%

November				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	11,527	11,435	-92	-0.8%
2.5%	11,163	11,224	61	0.5%
3.7%	10,750	11,135	385	3.6%
4.9%	10,695	10,775	80	0.7%
6.2%	10,689	10,741	52	0.5%
7.4%	10,572	10,565	-7	-0.1%
8.6%	10,506	10,523	17	0.2%
9.9%	10,501	10,422	-80	-0.8%
11.1%	10,425	10,390	-35	-0.3%
12.3%	10,410	10,386	-24	-0.2%
13.6%	10,307	10,367	61	0.6%
14.8%	10,269	10,332	63	0.6%
16.0%	10,194	10,329	135	1.3%
17.3%	10,010	10,325	315	3.1%
18.5%	9,963	10,273	310	3.1%
19.8%	9,871	10,260	389	3.9%
21.0%	9,863	10,253	390	4.0%
22.2%	9,831	10,220	389	4.0%
23.5%	9,783	10,163	380	3.9%
24.7%	9,776	10,154	378	3.9%
25.9%	9,734	10,065	331	3.4%
27.2%	9,721	10,064	343	3.5%
28.4%	9,699	10,037	338	3.5%
29.6%	9,686	10,031	345	3.6%
30.9%	9,630	10,022	393	4.1%
32.1%	9,624	10,012	388	4.0%
33.3%	9,572	9,998	425	4.4%
34.6%	9,543	9,979	435	4.6%
35.8%	9,541	9,938	397	4.2%
37.0%	9,534	9,937	404	4.2%
38.3%	9,503	9,836	332	3.5%
39.5%	9,491	9,832	342	3.6%
40.7%	9,470	9,763	293	3.1%
42.0%	9,307	9,724	417	4.5%
43.2%	9,304	9,715	410	4.4%
44.4%	9,266	9,655	388	4.2%
45.7%	9,260	9,651	390	4.2%
46.9%	9,237	9,623	385	4.2%
48.1%	9,130	9,582	452	5.0%
49.4%	9,118	9,495	378	4.1%
50.6%	9,050	9,468	418	4.6%
51.9%	9,007	9,439	432	4.8%
53.1%	8,988	9,331	343	3.8%
54.3%	8,987	9,316	329	3.7%
55.6%	8,884	9,267	383	4.3%
56.8%	8,871	9,207	336	3.8%
58.0%	8,796	9,166	371	4.2%
59.3%	8,786	9,157	371	4.2%
60.5%	8,747	9,148	401	4.6%
61.7%	8,732	9,133	401	4.6%
63.0%	8,696	9,128	432	5.0%
64.2%	8,680	9,012	331	3.8%
65.4%	8,612	9,005	394	4.6%
66.7%	8,522	8,877	355	4.2%
67.9%	8,516	8,661	145	1.7%
69.1%	8,494	8,568	74	0.9%
70.4%	8,467	8,556	89	1.0%
71.6%	8,455	8,530	75	0.9%
72.8%	8,453	8,520	68	0.8%
74.1%	8,437	8,463	26	0.3%
75.3%	8,370	8,455	85	1.0%
76.5%	8,311	8,230	-81	-1.0%
77.8%	8,210	8,186	-24	-0.3%
79.0%	8,205	8,149	-57	-0.7%
80.2%	8,140	8,126	-13	-0.2%
81.5%	8,103	8,095	-8	-0.1%
82.7%	8,012	7,911	-101	-1.3%
84.0%	7,867	7,896	29	0.4%
85.2%	7,667	7,835	168	2.2%
86.4%	7,444	7,754	310	4.2%
87.7%	7,341	7,712	371	5.1%
88.9%	7,329	7,709	380	5.2%
90.1%	7,235	7,614	380	5.3%
91.4%	7,139	7,591	453	6.3%
92.6%	7,039	7,556	518	7.4%
93.8%	6,817	7,471	654	9.6%
95.1%	6,779	7,289	509	7.5%
96.3%	6,618	7,216	598	9.0%
97.5%	6,605	7,039	434	6.6%
98.8%	5,711	6,860	1,149	20.1%
100.0%	5,669	6,761	1,091	19.3%

December				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,361	12,239	-122	-1.0%
2.5%	11,935	11,942	7	0.1%
3.7%	11,889	11,890	1	0.0%
4.9%	11,743	11,803	60	0.5%
6.2%	11,714	11,739	25	0.2%
7.4%	11,510	11,711	201	1.7%
8.6%	11,476	11,677	201	1.8%
9.9%	11,467	11,616	149	1.3%
11.1%	11,458	11,613	156	1.4%
12.3%	11,419	11,592	173	1.5%
13.6%	11,399	11,570	172	1.5%
14.8%	11,368	11,439	72	0.6%
16.0%	11,364	11,432	67	0.6%
17.3%	11,251	11,242	-9	-0.1%
18.5%	11,224	11,223	-1	0.0%
19.8%	11,190	11,222	32	0.3%
21.0%	11,084	11,216	132	1.2%
22.2%	10,983	11,155	173	1.6%
23.5%	10,955	11,149	194	1.8%
24.7%	10,951	11,133	182	1.7%
25.9%	10,872	11,058	186	1.7%
27.2%	10,849	11,028	179	1.6%
28.4%	10,813	11,013	199	1.8%
29.6%	10,780	10,941	161	1.5%
30.9%	10,737	10,929	192	1.8%
32.1%	10,731	10,905	174	1.6%
33.3%	10,675	10,870	194	1.8%
34.6%	10,644	10,860	216	2.0%
35.8%	10,638	10,849	211	2.0%
37.0%	10,633	10,846	213	2.0%
38.3%	10,623	10,806	183	1.7%
39.5%	10,575	10,792	218	2.1%
40.7%	10,474	10,789	315	3.0%
42.0%	10,451	10,779	329	3.1%
43.2%	10,440	10,735	295	2.8%
44.4%	10,421	10,718	297	2.9%
45.7%	10,350	10,712	362	3.5%
46.9%	10,328	10,703	376	3.6%
48.1%	10,300	10,671	370	3.6%
49.4%	10,257	10,659	402	3.9%
50.6%	10,239	10,652	413	4.0%
51.9%	10,231	10,616	385	3.8%
53.1%	10,226	10,526	301	2.9%
54.3%	10,190	10,521	330	3.2%
55.6%	10,147	10,512	365	3.6%
56.8%	10,116	10,438	322	3.2%
58.0%	10,082	10,416	333	3.3%
59.3%	10,078	10,415	337	3.3%
60.5%	10,070	10,412	343	3.4%
61.7%	10,062	10,387	325	3.2%
63.0%	10,043	10,341	298	3.0%
64.2%	10,017	10,273	256	2.6%
65.4%	9,976	10,271	295	3.0%
66.7%	9,961	10,198	237	2.4%
67.9%	9,954	10,184	229	2.3%
69.1%	9,935	10,147	213	2.1%
70.4%	9,911	10,133	221	2.2%
71.6%	9,808	10,008	200	2.0%
72.8%	9,774	9,903	129	1.3%
74.1%	9,603	9,891	289	3.0%
75.3%	9,523	9,757	234	2.5%
76.5%	9,431	9,711	281	3.0%
77.8%	9,400	9,641	241	2.6%
79.0%	9,387	9,564	177	1.9%
80.2%	9,371	9,321	-50	-0.5%
81.5%	9,307	9,145	-162	-1.7%
82.7%	9,203	9,119	-84	-0.9%
84.0%	9,147	9,090	-57	-0.6%
85.2%	9,006	9,058	52	0.6%
86.4%	8,956	8,967	11	0.1%
87.7%	8,934	8,949	14	0.2%
88.9%	8,895	8,889	-5	-0.1%
90.1%	8,789	8,780	-9	-0.1%
91.4%	8,706	8,768	62	0.7%
92.6%	8,634	8,760	127	1.5%
93.8%	8,558	8,750	191	2.2%
95.1%	8,486	8,451	-36	-0.4%
96.3%	8,249	8,287	38	0.5%
97.5%	8,196	7,936	-260	-3.2%
98.8%	8,123	7,914	-208	-2.6%
100.0%	8,120	7,756	-364	-4.5%

January				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,655	-41	-0.3%
2.5%	12,696	12,594	-102	-0.8%
3.7%	12,648	12,540	-108	-0.9%
4.9%	12,508	12,441	-67	-0.5%
6.2%	12,332	12,388	56	0.5%
7.4%	12,293	12,349	56	0.5%
8.6%	12,155	12,154	-1	0.0%
9.9%	12,112	12,120	8	0.1%
11.1%	12,000	12,119	119	1.0%
12.3%	11,980	11,939	-40	-0.3%
13.6%	11,979	11,938	-42	-0.3%
14.8%	11,969	11,877	-93	-0.8%
16.0%	11,940	11,856	-84	-0.7%
17.3%	11,929	11,786	-144	-1.2%
18.5%	11,921	11,763	-158	-1.3%
19.8%	11,898	11,751	-147	-1.2%
21.0%	11,885	11,744	-142	-1.2%
22.2%	11,786	11,722	-64	-0.5%
23.5%	11,779	11,722	-57	-0.5%
24.7%	11,696	11,681	-15	-0.1%
25.9%	11,579	11,672	93	0.8%
27.2%	11,524	11,657	133	1.2%
28.4%	11,518	11,594	76	0.7%
29.6%	11,500	11,582	82	0.7%
30.9%	11,499	11,568	69	0.6%
32.1%	11,441	11,561	120	1.1%
33.3%	11,438	11,539	101	0.9%
34.6%	11,419	11,539	120	1.0%
35.8%	11,348	11,517	170	1.5%
37.0%	11,335	11,511	177	1.6%
38.3%	11,334	11,467	133	1.2%
39.5%	11,274	11,405	130	1.2%
40.7%	11,235	11,362	127	1.1%
42.0%	11,164	11,361	196	1.8%
43.2%	11,053	11,357	304	2.8%
44.4%	11,046	11,275	229	2.1%
45.7%	11,015	11,259	244	2.2%
46.9%	10,988	11,226	238	2.2%
48.1%	10,959	11,211	252	2.3%
49.4%	10,958	11,184	226	2.1%
50.6%	10,886	11,134	249	2.3%
51.9%	10,879	11,134	255	2.3%
53.1%	10,825	11,118	292	2.7%
54.3%	10,792	11,050	258	2.4%
55.6%	10,748	11,042	294	2.7%
56.8%	10,715	11,035	320	3.0%
58.0%	10,670	10,993	323	3.0%
59.3%	10,652	10,964	312	2.9%
60.5%	10,651	10,932	281	2.6%
61.7%	10,651	10,877	226	2.1%
63.0%	10,633	10,871	238	2.2%
64.2%	10,547	10,869	322	3.1%
65.4%	10,526	10,829	304	2.9%
66.7%	10,455	10,827	372	3.6%
67.9%	10,421	10,803	383	3.7%
69.1%	10,323	10,744	421	4.1%
70.4%	10,292	10,629	337	3.3%
71.6%	10,265	10,584	319	3.1%
72.8%	10,252	10,528	276	2.7%
74.1%	10,232	10,476	244	2.4%
75.3%	10,185	10,445	260	2.6%
76.5%	10,185	10,424	240	2.4%
77.8%	10,124	10,347	223	2.2%
79.0%	10,084	10,237	153	1.5%
80.2%	9,972	10,137	165	1.7%
81.5%	9,870	9,936	66	0.7%
82.7%	9,856	9,925	68	0.7%
84.0%	9,850	9,901	51	0.5%
85.2%	9,831	9,859	27	0.3%
86.4%	9,831	9,783	-48	-0.5%
87.7%	9,703	9,776	73	0.8%
88.9%	9,640	9,610	-30	-0.3%
90.1%	9,560	9,591	31	0.3%
91.4%	9,515	9,570	55	0.6%
92.6%	9,357	9,565	208	2.2%
93.8%	9,238	9,561	323	3.5%
95.1%	9,218	9,480	262	2.8%
96.3%	8,927	9,475	547	6.1%
97.5%	8,848	8,869	21	0.2%
98.8%	8,826	8,863	37	0.4%
100.0%	8,777	8,747	-30	-0.3%

Table SW-43-7b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,687	-9	-0.1%
8.6%	12,696	12,672	-24	-0.2%
9.9%	12,696	12,624	-72	-0.6%
11.1%	12,509	12,567	58	0.5%
12.3%	12,444	12,493	49	0.4%
13.6%	12,443	12,475	32	0.3%
14.8%	12,412	12,443	31	0.3%
16.0%	12,409	12,383	-26	-0.2%
17.3%	12,399	12,368	-31	-0.2%
18.5%	12,373	12,337	-36	-0.3%
19.8%	12,365	12,252	-114	-0.9%
21.0%	12,364	12,142	-223	-1.8%
22.2%	12,261	12,100	-161	-1.3%
23.5%	12,195	12,050	-145	-1.2%
24.7%	12,155	12,045	-110	-0.9%
25.9%	12,122	12,033	-89	-0.7%
27.2%	12,094	12,010	-84	-0.7%
28.4%	12,031	11,994	-37	-0.3%
29.6%	12,018	11,958	-60	-0.5%
30.9%	11,984	11,949	-35	-0.3%
32.1%	11,902	11,940	38	0.3%
33.3%	11,846	11,900	55	0.5%
34.6%	11,825	11,855	30	0.3%
35.8%	11,824	11,839	15	0.1%
37.0%	11,803	11,799	-4	0.0%
38.3%	11,730	11,794	64	0.5%
39.5%	11,615	11,758	144	1.2%
40.7%	11,528	11,696	168	1.5%
42.0%	11,512	11,687	175	1.5%
43.2%	11,509	11,670	161	1.4%
44.4%	11,485	11,659	174	1.5%
45.7%	11,420	11,645	225	2.0%
46.9%	11,400	11,596	197	1.7%
48.1%	11,353	11,536	184	1.6%
49.4%	11,302	11,525	223	2.0%
50.6%	11,298	11,502	204	1.8%
51.9%	11,274	11,480	206	1.8%
53.1%	11,227	11,439	213	1.9%
54.3%	11,225	11,418	193	1.7%
55.6%	11,166	11,415	249	2.2%
56.8%	11,110	11,387	277	2.5%
58.0%	11,109	11,375	266	2.4%
59.3%	11,045	11,335	290	2.6%
60.5%	11,021	11,215	194	1.8%
61.7%	10,994	11,162	168	1.5%
63.0%	10,915	11,145	229	2.1%
64.2%	10,912	11,061	149	1.4%
65.4%	10,840	11,056	216	2.0%
66.7%	10,819	11,038	219	2.0%
67.9%	10,816	11,032	217	2.0%
69.1%	10,755	10,964	209	1.9%
70.4%	10,704	10,964	260	2.4%
71.6%	10,689	10,892	203	1.9%
72.8%	10,671	10,880	209	2.0%
74.1%	10,641	10,797	155	1.5%
75.3%	10,585	10,737	153	1.4%
76.5%	10,584	10,716	133	1.3%
77.8%	10,559	10,643	83	0.8%
79.0%	10,469	10,615	146	1.4%
80.2%	10,453	10,564	112	1.1%
81.5%	10,341	10,539	198	1.9%
82.7%	10,316	10,537	221	2.1%
84.0%	10,275	10,527	252	2.5%
85.2%	10,184	10,398	214	2.1%
86.4%	10,180	10,380	200	2.0%
87.7%	10,063	10,371	308	3.1%
88.9%	10,018	10,264	246	2.5%
90.1%	10,017	10,233	216	2.2%
91.4%	10,012	10,200	187	1.9%
92.6%	9,933	10,127	194	1.9%
93.8%	9,858	9,986	129	1.3%
95.1%	9,606	9,940	333	3.5%
96.3%	9,601	9,443	-158	-1.6%
97.5%	9,528	9,336	-192	-2.0%
98.8%	9,079	9,244	165	1.8%
100.0%	8,972	9,155	183	2.0%

March				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,574	12,638	63	0.5%
16.0%	12,554	12,586	32	0.3%
17.3%	12,523	12,517	-6	0.0%
18.5%	12,515	12,479	-36	-0.3%
19.8%	12,462	12,474	12	0.1%
21.0%	12,355	12,452	97	0.8%
22.2%	12,331	12,437	107	0.9%
23.5%	12,326	12,427	101	0.8%
24.7%	12,315	12,419	104	0.8%
25.9%	12,261	12,389	129	1.0%
27.2%	12,226	12,377	151	1.2%
28.4%	12,203	12,354	151	1.2%
29.6%	12,188	12,328	139	1.1%
30.9%	12,188	12,269	81	0.7%
32.1%	12,161	12,245	84	0.7%
33.3%	12,151	12,169	18	0.2%
34.6%	12,143	12,121	-23	-0.2%
35.8%	12,132	12,104	-28	-0.2%
37.0%	12,113	12,033	-80	-0.7%
38.3%	12,103	12,007	-96	-0.8%
39.5%	12,102	11,906	-196	-1.6%
40.7%	12,079	11,833	-246	-2.0%
42.0%	12,056	11,822	-234	-1.9%
43.2%	11,940	11,796	-144	-1.2%
44.4%	11,927	11,777	-150	-1.3%
45.7%	11,877	11,757	-119	-1.0%
46.9%	11,756	11,757	1	0.0%
48.1%	11,693	11,749	56	0.5%
49.4%	11,674	11,709	35	0.3%
50.6%	11,665	11,670	5	0.0%
51.9%	11,649	11,632	-17	-0.1%
53.1%	11,637	11,629	-9	-0.1%
54.3%	11,611	11,592	-20	-0.2%
55.6%	11,586	11,551	-34	-0.3%
56.8%	11,571	11,527	-44	-0.4%
58.0%	11,529	11,499	-30	-0.3%
59.3%	11,463	11,491	28	0.2%
60.5%	11,369	11,442	73	0.6%
61.7%	11,327	11,430	103	0.9%
63.0%	11,234	11,411	177	1.6%
64.2%	11,156	11,392	236	2.1%
65.4%	11,152	11,383	231	2.1%
66.7%	11,127	11,271	144	1.3%
67.9%	11,114	11,243	130	1.2%
69.1%	11,064	11,151	87	0.8%
70.4%	11,056	11,138	81	0.7%
71.6%	10,990	11,121	131	1.2%
72.8%	10,961	11,059	97	0.9%
74.1%	10,952	10,930	-22	-0.2%
75.3%	10,901	10,887	-15	-0.1%
76.5%	10,899	10,845	-54	-0.5%
77.8%	10,852	10,842	-11	-0.1%
79.0%	10,777	10,817	40	0.4%
80.2%	10,754	10,733	-21	-0.2%
81.5%	10,745	10,715	-30	-0.3%
82.7%	10,734	10,680	-54	-0.5%
84.0%	10,732	10,655	-78	-0.7%
85.2%	10,622	10,549	-73	-0.7%
86.4%	10,524	10,516	-7	-0.1%
87.7%	10,487	10,490	4	0.0%
88.9%	10,314	10,445	132	1.3%
90.1%	10,297	10,391	94	0.9%
91.4%	10,134	10,335	201	2.0%
92.6%	10,052	10,324	272	2.7%
93.8%	9,988	10,081	93	0.9%
95.1%	9,872	9,966	94	1.0%
96.3%	9,699	9,819	120	1.2%
97.5%	9,579	9,253	-326	-3.4%
98.8%	9,385	9,252	-133	-1.4%
100.0%	8,719	9,121	402	4.6%

April				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,397	12,401	5	0.0%
3.7%	12,234	12,196	-39	-0.3%
4.9%	12,199	12,195	-4	0.0%
6.2%	12,180	12,148	-32	-0.3%
7.4%	12,167	12,126	-41	-0.3%
8.6%	12,144	12,109	-35	-0.3%
9.9%	12,013	12,074	61	0.5%
11.1%	11,986	11,976	-10	-0.1%
12.3%	11,981	11,965	-16	-0.1%
13.6%	11,964	11,958	-7	-0.1%
14.8%	11,952	11,948	-5	0.0%
16.0%	11,942	11,937	-4	0.0%
17.3%	11,911	11,933	22	0.2%
18.5%	11,878	11,911	33	0.3%
19.8%	11,861	11,887	26	0.2%
21.0%	11,780	11,854	75	0.6%
22.2%	11,773	11,838	64	0.5%
23.5%	11,719	11,813	94	0.8%
24.7%	11,710	11,788	78	0.7%
25.9%	11,701	11,733	32	0.3%
27.2%	11,691	11,730	39	0.3%
28.4%	11,677	11,684	7	0.1%
29.6%	11,635	11,674	39	0.3%
30.9%	11,602	11,544	-58	-0.5%
32.1%	11,560	11,533	-27	-0.2%
33.3%	11,538	11,505	-33	-0.3%
34.6%	11,446	11,433	-13	-0.1%
35.8%	11,382	11,428	47	0.4%
37.0%	11,381	11,403	23	0.2%
38.3%	11,366	11,330	-36	-0.3%
39.5%	11,363	11,291	-72	-0.6%
40.7%	11,352	11,257	-95	-0.8%
42.0%	11,329	11,130	-198	-1.8%
43.2%	11,266	11,116	-150	-1.3%
44.4%	11,258	11,107	-151	-1.3%
45.7%	11,216	11,042	-175	-1.6%
46.9%	11,162	10,998	-164	-1.5%
48.1%	11,107	10,981	-127	-1.1%
49.4%	11,094	10,967	-127	-1.1%
50.6%	10,988	10,954	-34	-0.3%
51.9%	10,958	10,948	-10	-0.1%
53.1%	10,881	10,914	33	0.3%
54.3%	10,862	10,835	-27	-0.2%
55.6%	10,820	10,734	-86	-0.8%
56.8%	10,798	10,731	-67	-0.6%
58.0%	10,778	10,659	-119	-1.1%
59.3%	10,774	10,635	-139	-1.3%
60.5%	10,728	10,632	-96	-0.9%
61.7%	10,600	10,620	20	0.2%
63.0%	10,557	10,615	58	0.5%
64.2%	10,550	10,586	36	0.3%
65.4%	10,462	10,430	-32	-0.3%
66.7%	10,333	10,400	66	0.6%
67.9%	10,248	10,393	145	1.4%
69.1%	10,214	10,386	172	1.7%
70.4%	10,202	10,362	160	1.6%
71.6%	10,192	10,304	112	1.1%
72.8%	10,158	10,257	99	1.0%
74.1%	10,143	10,250	106	1.0%
75.3%	10,119	10,173	54	0.5%
76.5%	10,107	10,156	49	0.5%
77.8%	10,104	10,107	3	0.0%
79.0%	10,098	10,097	-1	0.0%
80.2%	10,091	9,980	-111	-1.1%
81.5%	10,090	9,952	-138	-1.4%
82.7%	10,051	9,858	-194	-1.9%
84.0%	9,943	9,838	-106	-1.1%
85.2%	9,809	9,814	5	0.1%
86.4%	9,802	9,792	-11	-0.1%
87.7%	9,771	9,753	-18	-0.2%
88.9%	9,745	9,752	7	0.1%
90.1%	9,598	9,690	93	1.0%
91.4%	9,489	9,649	160	1.7%
92.6%	9,374	9,642	268	2.9%
93.8%	9,201	9,371	170	1.8%
95.1%	9,197	9,319	122	1.3%
96.3%	9,161	9,078	-83	-0.9%
97.5%	8,960	8,867	-93	-1.0%
98.8%	8,816	8,814	-1	0.0%
100.0%	8,342	8,530	188	2.3%

May				
Percent Exceedance Probability	No Action Alternative	Alternative C	Absolute Difference	Relative Difference
	End of Month Area	End of Month Area		
(%)	(ACRE)	(ACRE)	(ACRE)	(%)
0.0%	12,696	12,691	-5	0.0%
1.2%	12,452	12,465	14	0.1%
2.5%	12,239	12,008	-231	-1.9%
3.7%	11,933	11,929	-5	0.0%
4.9%	11,592	11,630	37	0.3%
6.2%	11,450	11,551	101	0.9%
7.4%	11,421	11,400	-21	-0.2%
8.6%	11,363	11,304	-60	-0.5%
9.9%	11,327	11,114	-212	-1.9%
11.1%	11,155	11,089	-66	-0.6%
12.3%	11,143	11,081	-62	-0.6%
13.6%	11,102	11,042	-59	-0.5%
14.8%	11,095	10,967	-127	-1.1%
16.0%	10,954	10,926	-27	-0.2%
17.3%	10,943	10,884	-59	-0.5%
18.5%	10,784	10,744	-40	-0.4%
19.8%	10,721	10,736	15	0.1%
21.0%	10,698	10,667	-31	-0.3%
22.2%	10,677	10,656	-21	-0.2%
23.5%	10,667	10,644	-23	-0.2%
24.7%	10,649	10,634	-15	-0.1%
25.9%	10,649	10,567	-82	-0.8%
27.2%	10,637	10,528	-109	-1.0%
28.4%	10,616	10,508	-107	-1.0%
29.6%	10,614	10,507	-107	-1.0%
30.9%	10,485	10,472	-13	-0.1%
32.1%	10,422	10,454	32	0.3%
33.3%	10,367	10,437	70	0.7%
34.6%	10,343	10,425	81	0.8%
35.8%	10,304	10,386	83	0.8%
37.0%	10,292	10,264	-28	-0.3%
38.3%	10,214	10,237	22	0.2%
39.5%	10,170	10,148	-22	-0.2%
40.7%	10,164	10,096	-69	-0.7%
42.0%	10,154	10,034	-119	-1.2%
43.2%	10,112	9,960	-153	-1.5%
44.4%	10,098	9,938	-160	-1.6%
45.7%	10,088	9,843	-245	-2.4%
46.9%	10,077	9,802	-275	-2.7%
48.1%	10,026	9,799	-227	-2.3%
49.4%	10,017	9,676	-341	-3.4%
50.6%	9,957	9,594	-363	-3.6%
51.9%	9,938	9,549	-389	-3.9%
53.1%	9,875	9,535	-341	-3.5%
54.3%	9,786	9,469	-317	-3.2%
55.6%	9,586	9,437	-149	-1.6%
56.8%	9,583	9,381	-202	-2.1%
58.0%	9,548	9,335	-214	-2.2%
59.3%	9,543	9,307	-236	-2.5%
60.5%	9,344	9,291	-53	-0.6%
61.7%	9,331	9,250	-81	-0.9%
63.0%	9,301	9,233	-68	-0.7%
64.2%	9,277	9,233	-44	-0.5%
65.4%	9,246	9,208	-38	-0.4%
66.7%	9,223	9,200	-23	-0.2%
67.9%	9,113	9,138	25	0.3%
69.1%	9,113	9,125	12	0.1%
70.4%	8,904	9,012	109	1.2%
71.6%	8,877	9,008	130	1.5%
72.8%	8,874	8,985	111	1.2%
74.1%	8,873	8,983	110	1.2%
75.3%	8,808	8,954	145	1.7%
76.5%	8,805	8,826	20	0.2%
77.8%	8,794	8,825	31	0.4%
79.0%	8,791	8,642	-149	-1.7%
80.2%	8,726	8,563	-163	-1.9%
81.5%	8,645	8,521	-124	-1.4%
82.7%	8,593	8,483	-110	-1.3%
84.0%	8,590	8,431	-159	-1.9%
85.2%	8,515	8,401	-115	-1.4%
86.4%	8,450	8,384	-66	-0.8%
87.7%	8,365	8,288	-77	-0.9%
88.9%	8,303	8,247	-56	-0.7%
90.1%	8,079	8,232	152	1.9%
91.4%	7,972	8,191	219	2.7%
92.6%	7,930	8,172	242	3.1%
93.8%	7,903	8,084	181	2.3%
95.1%	7,865	8,020	155	2.0%
96.3%	7,850	7,836	-14	-0.2%
97.5%	7,659	7,751	92	1.2%
98.8%	7,439	7,417	-22	-0.3%
100.0%	7,189	7,296	107	1.5%

Table SW-43-7b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,485	12,482	-3	0.0%
1.2%	12,207	12,225	19	0.2%
2.5%	11,934	11,727	-206	-1.7%
3.7%	11,229	11,213	-16	-0.1%
4.9%	10,857	10,852	-5	0.0%
6.2%	10,756	10,733	-23	-0.2%
7.4%	10,631	10,646	15	0.1%
8.6%	10,554	10,640	86	0.8%
9.9%	10,505	10,622	117	1.1%
11.1%	10,465	10,484	18	0.2%
12.3%	10,461	10,330	-131	-1.3%
13.6%	10,367	10,265	-102	-1.0%
14.8%	10,285	10,161	-125	-1.2%
16.0%	10,194	10,022	-173	-1.7%
17.3%	9,888	9,821	-67	-0.7%
18.5%	9,809	9,815	6	0.1%
19.8%	9,732	9,752	20	0.2%
21.0%	9,644	9,621	-23	-0.2%
22.2%	9,626	9,469	-157	-1.6%
23.5%	9,615	9,432	-184	-1.9%
24.7%	9,607	9,400	-207	-2.2%
25.9%	9,590	9,397	-193	-2.0%
27.2%	9,574	9,386	-188	-2.0%
28.4%	9,361	9,243	-118	-1.3%
29.6%	9,325	9,100	-225	-2.4%
30.9%	9,162	8,951	-211	-2.3%
32.1%	9,117	8,932	-184	-2.0%
33.3%	9,062	8,917	-145	-1.6%
34.6%	9,040	8,826	-213	-2.4%
35.8%	9,027	8,823	-204	-2.3%
37.0%	9,015	8,790	-225	-2.5%
38.3%	8,961	8,774	-187	-2.1%
39.5%	8,918	8,665	-254	-2.8%
40.7%	8,912	8,613	-299	-3.4%
42.0%	8,902	8,596	-306	-3.4%
43.2%	8,894	8,582	-313	-3.5%
44.4%	8,682	8,429	-253	-2.9%
45.7%	8,662	8,151	-511	-5.9%
46.9%	8,609	8,116	-492	-5.7%
48.1%	8,570	8,094	-476	-5.6%
49.4%	8,539	8,037	-503	-5.9%
50.6%	8,342	7,981	-361	-4.3%
51.9%	8,318	7,897	-421	-5.1%
53.1%	8,302	7,660	-642	-7.7%
54.3%	8,292	7,547	-745	-9.0%
55.6%	8,213	7,527	-686	-8.3%
56.8%	8,156	7,487	-669	-8.2%
58.0%	8,114	7,484	-630	-7.8%
59.3%	7,786	7,425	-361	-4.6%
60.5%	7,764	7,381	-383	-4.9%
61.7%	7,676	7,353	-323	-4.2%
63.0%	7,567	7,270	-297	-3.9%
64.2%	7,520	7,230	-290	-3.9%
65.4%	7,341	7,118	-223	-3.0%
66.7%	7,288	7,099	-189	-2.6%
67.9%	7,193	7,089	-104	-1.5%
69.1%	7,061	7,033	-28	-0.4%
70.4%	7,017	6,994	-23	-0.3%
71.6%	6,978	6,980	2	0.0%
72.8%	6,944	6,921	-24	-0.3%
74.1%	6,942	6,892	-50	-0.7%
75.3%	6,926	6,835	-91	-1.3%
76.5%	6,764	6,563	-201	-3.0%
77.8%	6,703	6,528	-175	-2.6%
79.0%	6,697	6,429	-268	-4.0%
80.2%	6,548	6,374	-174	-2.7%
81.5%	6,314	6,275	-39	-0.6%
82.7%	6,268	6,124	-144	-2.3%
84.0%	6,236	6,073	-162	-2.6%
85.2%	6,146	6,048	-99	-1.6%
86.4%	6,135	5,956	-179	-2.9%
87.7%	6,015	5,924	-91	-1.5%
88.9%	5,964	5,828	-136	-2.3%
90.1%	5,791	5,803	12	0.2%
91.4%	5,772	5,609	-163	-2.8%
92.6%	5,698	5,548	-150	-2.6%
93.8%	5,578	5,532	-46	-0.8%
95.1%	5,296	5,531	236	4.4%
96.3%	5,184	5,513	329	6.3%
97.5%	5,184	5,146	-38	-0.7%
98.8%	5,096	4,868	-228	-4.5%
100.0%	4,452	4,768	316	7.1%

July

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,165	12,162	-3	0.0%
1.2%	11,880	11,909	29	0.2%
2.5%	11,311	11,095	-217	-1.9%
3.7%	10,558	10,627	68	0.6%
4.9%	10,287	10,310	23	0.2%
6.2%	10,228	10,236	8	0.1%
7.4%	10,197	10,210	13	0.1%
8.6%	10,149	10,122	-27	-0.3%
9.9%	10,141	9,912	-229	-2.3%
11.1%	10,134	9,883	-251	-2.5%
12.3%	10,033	9,702	-331	-3.3%
13.6%	9,903	9,430	-472	-4.8%
14.8%	9,622	9,361	-261	-2.7%
16.0%	9,492	9,305	-187	-2.0%
17.3%	9,394	9,214	-179	-1.9%
18.5%	9,392	9,186	-206	-2.2%
19.8%	9,355	9,140	-215	-2.3%
21.0%	9,309	9,029	-280	-3.0%
22.2%	9,297	9,024	-273	-2.9%
23.5%	9,267	9,010	-258	-2.8%
24.7%	9,157	8,879	-278	-3.0%
25.9%	9,156	8,647	-509	-5.6%
27.2%	8,947	8,603	-344	-3.8%
28.4%	8,904	8,581	-323	-3.6%
29.6%	8,861	8,564	-296	-3.3%
30.9%	8,815	8,489	-327	-3.7%
32.1%	8,802	8,449	-353	-4.0%
33.3%	8,799	8,437	-362	-4.1%
34.6%	8,792	8,398	-393	-4.5%
35.8%	8,655	8,377	-278	-3.2%
37.0%	8,637	8,360	-277	-3.2%
38.3%	8,627	8,301	-327	-3.8%
39.5%	8,616	8,078	-537	-6.2%
40.7%	8,554	8,041	-513	-6.0%
42.0%	8,550	7,999	-551	-6.4%
43.2%	8,540	7,978	-562	-6.6%
44.4%	8,360	7,955	-406	-4.9%
45.7%	8,280	7,947	-333	-4.0%
46.9%	8,234	7,787	-447	-5.4%
48.1%	8,048	7,653	-395	-4.9%
49.4%	8,027	7,636	-391	-4.9%
50.6%	8,026	7,568	-458	-5.7%
51.9%	8,025	7,475	-550	-6.9%
53.1%	8,010	7,380	-630	-7.9%
54.3%	7,977	7,137	-840	-10.5%
55.6%	7,855	7,126	-730	-9.3%
56.8%	7,818	7,072	-745	-9.5%
58.0%	7,776	7,041	-734	-9.4%
59.3%	7,694	7,016	-678	-8.8%
60.5%	7,499	6,983	-516	-6.9%
61.7%	7,377	6,973	-404	-5.5%
63.0%	7,070	6,930	-140	-2.0%
64.2%	6,994	6,724	-270	-3.9%
65.4%	6,931	6,710	-221	-3.2%
66.7%	6,917	6,654	-263	-3.8%
67.9%	6,759	6,603	-157	-2.3%
69.1%	6,702	6,591	-111	-1.7%
70.4%	6,621	6,578	-42	-0.6%
71.6%	6,553	6,563	10	0.2%
72.8%	6,385	6,435	50	0.8%
74.1%	6,313	6,238	-75	-1.2%
75.3%	6,276	6,052	-224	-3.6%
76.5%	6,142	5,967	-175	-2.8%
77.8%	6,130	5,929	-202	-3.3%
79.0%	6,085	5,895	-191	-3.1%
80.2%	5,923	5,867	-56	-0.9%
81.5%	5,839	5,788	-51	-0.9%
82.7%	5,779	5,724	-55	-1.0%
84.0%	5,715	5,693	-21	-0.4%
85.2%	5,689	5,634	-56	-1.0%
86.4%	5,547	5,604	57	1.0%
87.7%	5,501	5,575	74	1.3%
88.9%	5,473	5,323	-149	-2.7%
90.1%	5,369	5,306	-63	-1.2%
91.4%	5,347	5,197	-151	-2.8%
92.6%	5,319	5,128	-192	-3.6%
93.8%	4,986	5,104	119	2.4%
95.1%	4,910	5,096	186	3.8%
96.3%	4,888	4,955	67	1.4%
97.5%	4,882	4,925	43	0.9%
98.8%	4,260	4,755	495	11.6%
100.0%	3,912	4,716	805	20.6%

August

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,759	11,746	-12	-0.1%
1.2%	11,307	11,341	35	0.3%
2.5%	10,649	10,440	-209	-2.0%
3.7%	10,146	10,282	136	1.3%
4.9%	9,845	9,652	-193	-2.0%
6.2%	9,795	9,485	-310	-3.2%
7.4%	9,741	9,443	-298	-3.1%
8.6%	9,463	9,368	-95	-1.0%
9.9%	9,437	9,040	-398	-4.2%
11.1%	9,378	8,922	-456	-4.9%
12.3%	9,130	8,700	-430	-4.7%
13.6%	9,019	8,698	-321	-3.6%
14.8%	9,018	8,660	-357	-4.0%
16.0%	8,998	8,625	-374	-4.2%
17.3%	8,897	8,572	-324	-3.6%
18.5%	8,833	8,562	-271	-3.1%
19.8%	8,801	8,460	-341	-3.9%
21.0%	8,783	8,395	-388	-4.4%
22.2%	8,772	8,375	-397	-4.5%
23.5%	8,683	8,339	-345	-4.0%
24.7%	8,607	8,318	-288	-3.4%
25.9%	8,595	8,270	-325	-3.8%
27.2%	8,553	8,252	-301	-3.5%
28.4%	8,542	8,176	-366	-4.3%
29.6%	8,506	8,145	-361	-4.2%
30.9%	8,490	8,143	-347	-4.1%
32.1%	8,451	8,130	-321	-3.8%
33.3%	8,368	8,064	-304	-3.6%
34.6%	8,258	8,040	-218	-2.6%
35.8%	8,181	8,029	-152	-1.9%
37.0%	8,148	7,973	-175	-2.1%
38.3%	8,102	7,944	-158	-1.9%
39.5%	8,077	7,879	-198	-2.5%
40.7%	8,035	7,849	-186	-2.3%
42.0%	8,030	7,834	-195	-2.4%
43.2%	8,025	7,831	-194	-2.4%
44.4%	7,971	7,827	-144	-1.8%
45.7%	7,846	7,809	-37	-0.5%
46.9%	7,805	7,699	-105	-1.3%
48.1%	7,757	7,673	-84	-1.1%
49.4%	7,721	7,606	-114	-1.5%
50.6%	7,715	7,543	-172	-2.2%
51.9%	7,677	7,515	-162	-2.1%
53.1%	7,669	7,379	-290	-3.8%
54.3%	7,604	7,347	-257	-3.4%
55.6%	7,474	7,197	-277	-3.7%
56.8%	7,333	7,144	-189	-2.6%
58.0%	7,253	7,121	-133	-1.8%
59.3%	7,204	7,112	-91	-1.3%
60.5%	7,198	7,023	-175	-2.4%
61.7%	7,062	6,765	-297	-4.2%
63.0%	6,791	6,728	-62	-0.9%
64.2%	6,785	6,643	-142	-2.1%
65.4%	6,764	6,608	-155	-2.3%
66.7%	6,739	6,581	-159	-2.4%
67.9%	6,725	6,581	-145	-2.2%
69.1%	6,672	6,542	-130	-1.9%
70.4%	6,624	6,348	-276	-4.2%
71.6%	6,613	6,182	-430	-6.5%
72.8%	6,451	6,137	-314	-4.9%
74.1%	6,430	6,136	-294	-4.6%
75.3%	6,384	6,108	-275	-4.3%
76.5%	6,373	6,090	-284	-4.5%
77.8%	6,339	6,049	-291	-4.6%
79.0%	6,206	5,955	-252	-4.1%
80.2%	6,185	5,952	-233	-3.8%
81.5%	6,152	5,871	-281	-4.6%
82.7%	5,965	5,829	-136	-2.3%
84.0%	5,874	5,770	-104	-1.8%
85.2%	5,781	5,711	-69	-1.2%
86.4%	5,773	5,652	-121	-2.1%
87.7%	5,702	5,652	-50	-0.9%
88.9%	5,566	5,571	5	0.1%
90.1%	5,542	5,436	-106	-1.9%
91.4%	5,527	5,412	-115	-2.1%
92.6%	5,506	5,328	-178	-3.2%
93.8%	5,130	5,272	142	2.8%
95.1%	5,023	5,191	167	3.3%
96.3%	4,966	5,117	151	3.0%
97.5%	4,815	5,086	271	5.6%
98.8%	4,560	4,931	371	8.1%
100.0%	3,889	4,520	631	16.2%

September

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative C End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,012	11,965	-46	-0.4%
1.2%	10,291	11,365	1,074	10.4%
2.5%	10,163	10,734	571	5.6%
3.7%	10,108	10,646	538	5.3%
4.9%	9,848	9,964	116	1.2%
6.2%	9,753	9,658	-95	-1.0%
7.4%	9,722	9,483	-239	-2.5%
8.6%	9,546	9,477	-69	-0.7%
9.9%	9,481	9,436	-44	-0.5%
11.1%	9,360	9,240	-120	-1.3%
12.3%	9,328	9,239	-89	-0.9%
13.6%	9,327	9,223	-105	-1.1%
14.8%	9,301	9,156	-144	-1.6%
16.0%	9,127	9,122	-5	-0.1%
17.3%	9,107	9,110	3	0.0%
18.5%	9,042	9,004	-37	-0.4%
19.8%	9,020	8,996	-24	-0.3%
21.0%	8,965	8,981	16	0.2%
22.2%	8,963	8,958	-5	-0.1%
23.5%	8,960	8,854	-106	-1.2%
24.7%	8,948	8,853	-96	-1.1%
25.9%	8,864	8,765	-99	-1.1%
27.2%	8,855	8,750	-105	-1.2%
28.4%	8,840	8,740	-100	-1.1%
29.6%	8,815	8,705	-110	-1.2%
30.9%	8,806	8,700	-106	-1.2%
32.1%	8,793	8,686	-107	-1.2%
33.3%	8,772	8,587	-184	-2.1%
34.6%	8,767	8,556	-212	-2.4%
35.8%	8,690	8,522	-167	-1.9%
37.0%	8,669	8,502	-167	-1.9%
38.3%	8,651	8,416	-235	-2.7%
39.5%	8,613	8,396	-217	-2.5%
40.7%	8,566	8,392	-174	-2.0%
42.0%	8,491	8,351	-140	-1.6%
43.2%	8,428	8,351	-77	-0.9%
44.4%	8,412	8,341	-71	-0.8%
45.7%	8,401	8,323	-79	-0.9%
46.9%	8,339	8,299	-40	-0.5%
48.1%	8,273	8,281	8	0.1%
49.4%	8,263	8,280	17	0.2%
50.6%	8,217	8,267	50	0.6%
51.9%	8,162	8,176	14	0.2%
53.1%	8,158	7,910	-248	-3.0%
54.3%	8,158	7,890	-267	-3.3%
55.6%	8,143	7,889	-254	-3.1%
56.8%	8,135	7,821	-314	-3.9%
58.0%	8,130	7,769	-361	-4.4%
59.3%	7,983	7,722	-261	-3.3%
60.5%	7,971	7,711	-260	-3.3%
61.7%	7,948	7,692	-255	-3.2%
63.0%	7,719	7,653	-66	-0.8%
64.2%	7,704	7,627	-77	-1.0%
65.4%	7,634	7,616	-18	-0.2%
66.7%	7,611	7,582	-29	-0.4%
67.9%	7,604	7,505	-98	-1.3%
69.1%	7,561	7,491	-70	-0.9%
70.4%	7,517	7,294	-223	-3.0%
71.6%	7,366	7,179	-188	-2.5%
72.8%	7,335	7,135	-200	-2.7%
74.1%	7,268	7,123	-145	-2.0%
75.3%	7,255	6,984	-271	-3.7%
76.5%	7,113	6,921	-192	-2.7%
77.8%	7,071	6,854	-217	-3.1%
79.0%	7,009	6,778	-231	-3.3%
80.2%	6,915	6,739	-176	-2.5%
81.5%	6,902	6,731	-171	-2.5%
82.7%	6,632	6,704	72	1.1%
84.0%	6,585	6,695	111	1.7%
85.2%	6,550	6,613	64	1.0%
86.4%	6,530	6,483	-47	-0.7%
87.7%	6,298	6,474	176	2.8%
88.9%	6,272	6,425	153	2.4%
90.1%	6,124	6,278	154	2.5%
91.4%	5,922	6,266	344	5.8%
92.6%	5,918	6,252	334	5.6%
93.8%	5,873	6,160	288	4.9%
95.1%	5,871	6,128	257	4.4%
96.3%	5,806	5,934	128	2.2%
97.5%	5,679	5,844	165	2.9%
98.8%	5,613	5,532	-81	-1.4%
100.0%	4,562	4,760	198	4.3%

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Alternative D Compared to No Action Alternative

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Table SQ-01-9a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	84	82	76	67	61	61	64	68	75	80	85	83
Alternative D	84	82	77	68	62	62	64	68	74	79	84	83
Difference	0	0	0	1	1	1	0	0	0	-1	-1	-1
Percent Difference[3]	-0.4%	-0.1%	0.4%	1.2%	1.4%	1.6%	0.6%	0.2%	-0.4%	-1.3%	-1.1%	-0.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	74	73	71	54	50	52	55	58	65	74	83	74
Alternative D	74	73	72	54	51	52	55	58	65	73	82	73
Difference	0	0	1	0	0	0	0	0	0	-1	-1	0
Percent Difference	0.2%	0.2%	1.0%	0.8%	0.5%	0.6%	0.2%	0.1%	-0.4%	-1.5%	-1.0%	-0.4%
Above Normal (15%)												
No Action Alternative	80	78	73	62	55	54	59	63	73	78	84	74
Alternative D	80	78	74	63	55	55	59	63	72	77	83	74
Difference	0	0	1	1	1	1	0	0	0	-1	-1	0
Percent Difference	-0.2%	0.0%	1.1%	1.5%	1.3%	1.5%	0.7%	0.1%	-0.5%	-1.9%	-1.3%	-0.6%
Below Normal (17%)												
No Action Alternative	90	85	75	72	61	63	65	69	77	81	85	89
Alternative D	89	85	75	73	62	65	65	69	76	80	84	88
Difference	-1	-1	-1	1	1	1	1	0	0	-1	-1	-1
Percent Difference	-1.0%	-0.9%	-0.7%	2.0%	1.4%	2.1%	1.0%	0.1%	-0.6%	-1.5%	-1.5%	-1.3%
Dry (22%)												
No Action Alternative	91	89	79	77	70	67	70	75	81	85	87	90
Alternative D	91	89	79	78	71	69	71	75	80	84	86	89
Difference	-1	0	0	1	1	2	1	0	0	-1	-1	-1
Percent Difference	-0.8%	-0.1%	0.3%	0.8%	1.4%	2.7%	1.1%	0.2%	-0.4%	-1.1%	-1.4%	-1.1%
Critical (15%)												
No Action Alternative	93	92	88	82	76	75	78	83	86	88	89	91
Alternative D	93	92	88	83	78	76	78	83	86	88	89	91
Difference	0	0	0	1	2	1	0	0	0	0	0	0
Percent Difference	-0.4%	0.3%	0.2%	1.2%	2.6%	1.3%	0.2%	0.1%	-0.1%	-0.2%	-0.3%	-0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SQ-01-9b
X2, Monthly Position
Probability of Exceedance

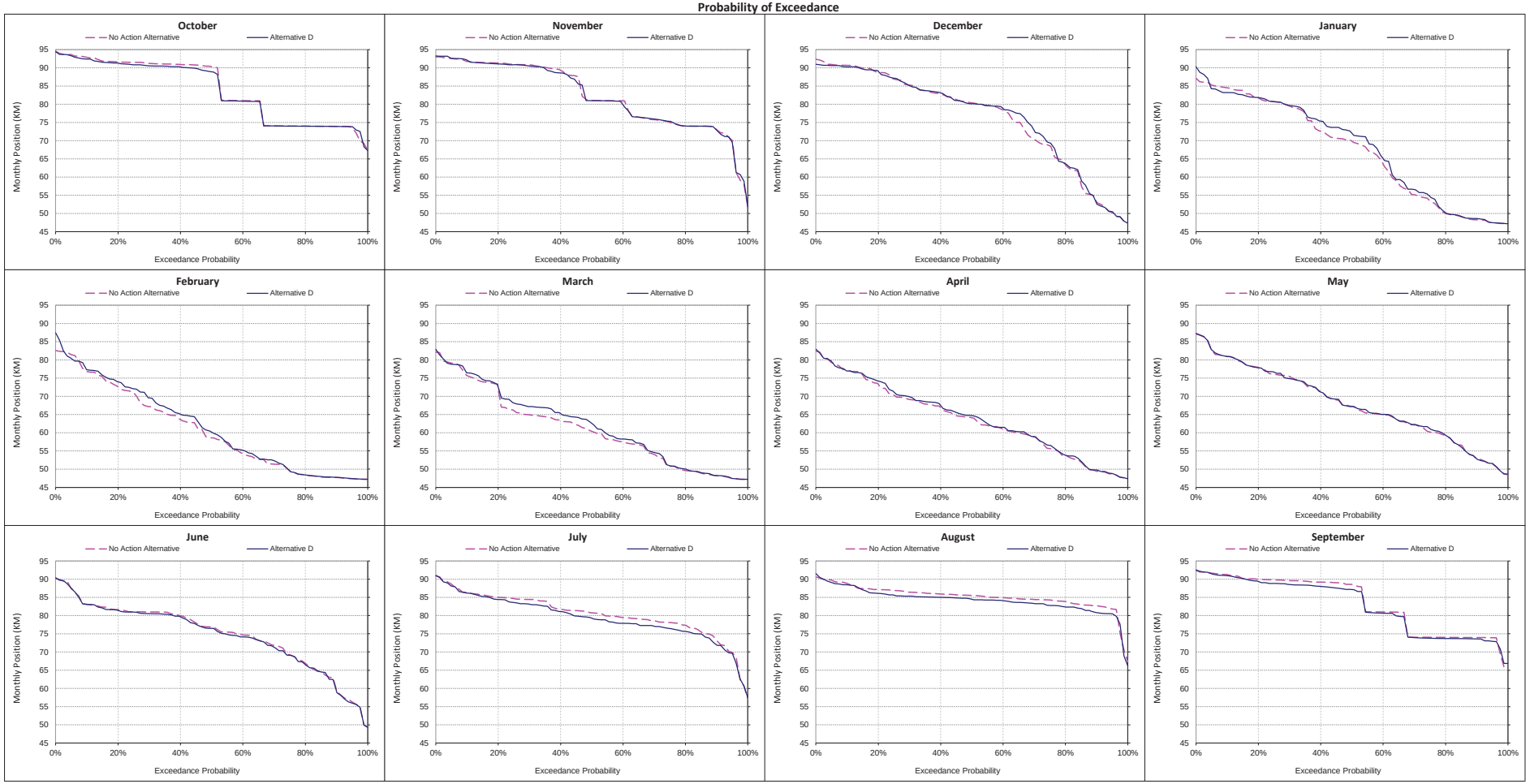

Table SQ-01-9b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95	94	0	-0.2%
1.2%	94	94	0	-0.3%
2.5%	94	94	0	-0.1%
3.7%	94	94	0	0.0%
4.9%	94	93	0	-0.3%
6.2%	93	93	0	-0.4%
7.4%	93	93	-1	-0.6%
8.6%	93	92	-1	-0.7%
9.9%	93	92	-1	-0.5%
11.1%	93	92	0	-0.3%
12.3%	93	92	-1	-0.9%
13.6%	92	92	-1	-0.6%
14.8%	92	92	0	-0.3%
16.0%	92	91	0	-0.3%
17.3%	92	91	0	-0.4%
18.5%	92	91	0	-0.4%
19.8%	92	91	0	-0.4%
21.0%	92	91	0	-0.5%
22.2%	92	91	-1	-0.6%
23.5%	92	91	-1	-0.6%
24.7%	92	91	-1	-0.8%
25.9%	92	91	-1	-0.8%
27.2%	92	91	-1	-0.8%
28.4%	91	91	-1	-0.8%
29.6%	91	91	-1	-0.6%
30.9%	91	90	-1	-0.7%
32.1%	91	90	-1	-0.7%
33.3%	91	90	-1	-0.7%
34.6%	91	90	-1	-0.7%
35.8%	91	90	-1	-0.6%
37.0%	91	90	-1	-0.7%
38.3%	91	90	-1	-0.7%
39.5%	91	90	-1	-0.7%
40.7%	91	90	-1	-0.9%
42.0%	91	90	-1	-0.9%
43.2%	91	90	-1	-1.0%
44.4%	91	90	-1	-1.0%
45.7%	91	90	-1	-1.2%
46.9%	91	89	-1	-1.4%
48.1%	90	89	-1	-1.4%
49.4%	90	89	-1	-1.6%
50.6%	90	89	-1	-1.5%
51.9%	90	88	-2	-2.0%
53.1%	81	81	0	-0.2%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.1%
59.3%	81	81	0	-0.2%
60.5%	81	81	0	-0.2%
61.7%	81	81	0	-0.2%
63.0%	81	81	0	-0.2%
64.2%	81	81	0	-0.2%
65.4%	81	81	0	-0.3%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	-0.1%
75.3%	74	74	0	-0.1%
76.5%	74	74	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	-0.1%
80.2%	74	74	0	-0.1%
81.5%	74	74	0	-0.1%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	0.0%
87.7%	74	74	0	0.0%
88.9%	74	74	0	-0.1%
90.1%	74	74	0	0.0%
91.4%	74	74	0	-0.1%
92.6%	74	74	0	-0.1%
93.8%	74	74	0	0.0%
95.1%	74	74	0	0.4%
96.3%	72	73	1	1.2%
97.5%	70	73	3	3.8%
98.8%	69	68	-1	-1.3%
100.0%	67	67	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93	93	0	0.3%
1.2%	93	93	0	0.2%
2.5%	93	93	0	0.4%
3.7%	93	93	0	0.5%
4.9%	93	93	0	0.1%
6.2%	92	93	0	0.1%
7.4%	92	93	0	0.1%
8.6%	92	92	0	0.3%
9.9%	92	92	0	0.5%
11.1%	92	92	0	-0.1%
12.3%	92	91	0	-0.1%
13.6%	91	91	0	-0.1%
14.8%	91	91	0	-0.1%
16.0%	91	91	0	-0.2%
17.3%	91	91	0	-0.2%
18.5%	91	91	0	-0.2%
19.8%	91	91	0	-0.2%
21.0%	91	91	0	-0.2%
22.2%	91	91	0	-0.3%
23.5%	91	91	0	-0.2%
24.7%	91	91	0	-0.1%
25.9%	91	91	0	-0.1%
27.2%	91	91	0	-0.1%
28.4%	91	91	0	-0.2%
29.6%	91	91	0	-0.4%
30.9%	91	90	0	-0.4%
32.1%	91	90	0	-0.2%
33.3%	90	90	0	0.0%
34.6%	90	90	0	-0.2%
35.8%	90	89	-1	-0.9%
37.0%	90	89	-1	-0.9%
38.3%	90	89	-1	-1.1%
39.5%	90	89	-1	-1.1%
40.7%	89	89	0	-0.5%
42.0%	88	88	0	0.1%
43.2%	88	87	-1	-0.8%
44.4%	88	87	-1	-1.0%
45.7%	88	86	-2	-2.3%
46.9%	82	85	3	3.7%
48.1%	81	81	0	-0.3%
49.4%	81	81	0	-0.1%
50.6%	81	81	0	0.0%
51.9%	81	81	0	0.0%
53.1%	81	81	0	0.0%
54.3%	81	81	0	-0.1%
55.6%	81	81	0	-0.1%
56.8%	81	81	0	-0.1%
58.0%	81	81	0	-0.2%
59.3%	81	81	0	-0.2%
60.5%	81	79	-2	-2.0%
61.7%	78	78	0	-0.1%
63.0%	77	77	0	0.0%
64.2%	77	76	0	-0.1%
65.4%	76	76	0	-0.1%
66.7%	76	76	0	0.1%
67.9%	76	76	0	0.4%
69.1%	76	76	0	0.3%
70.4%	76	76	0	0.1%
71.6%	76	76	0	0.2%
72.8%	76	76	0	0.1%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.5%
76.5%	75	75	0	-0.1%
77.8%	74	74	0	-0.1%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.0%
85.2%	74	74	0	0.0%
86.4%	74	74	0	-0.1%
87.7%	74	74	0	-0.1%
88.9%	74	74	0	-0.1%
90.1%	73	73	0	-0.2%
91.4%	72	72	0	-0.6%
92.6%	72	71	-1	-1.3%
93.8%	71	71	0	0.2%
95.1%	70	70	-1	-0.7%
96.3%	61	61	0	0.1%
97.5%	59	61	2	2.6%
98.8%	58	59	1	1.6%
100.0%	52	52	0	0.1%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	91	-1	-1.5%
1.2%	92	91	-1	-1.4%
2.5%	92	91	-1	-1.1%
3.7%	91	91	0	-0.4%
4.9%	91	91	0	-0.3%
6.2%	91	91	0	-0.2%
7.4%	91	91	0	-0.1%
8.6%	91	90	0	-0.4%
9.9%	91	90	0	-0.4%
11.1%	91	90	0	-0.4%
12.3%	91	90	0	-0.4%
13.6%	90	90	0	-0.2%
14.8%	90	90	0	-0.3%
16.0%	90	89	0	-0.4%
17.3%	90	89	0	-0.5%
18.5%	89	89	0	0.2%
19.8%	89	89	1	0.6%
21.0%	89	88	-1	-0.6%
22.2%	89	88	-1	-0.8%
23.5%	88	88	-1	-0.7%
24.7%	87	87	0	0.2%
25.9%	87	87	0	0.4%
27.2%	87	86	0	-0.3%
28.4%	86	86	0	0.5%
29.6%	85	85	0	0.0%
30.9%	85	85	0	-0.4%
32.1%	85	85	0	0.1%
33.3%	84	84	0	0.1%
34.6%	84	84	0	0.0%
35.8%	84	84	0	-0.1%
37.0%	83	84	0	0.4%
38.3%	83	83	0	0.4%
39.5%	83	83	0	0.4%
40.7%	83	83	0	0.4%
42.0%	82	82	0	-0.1%
43.2%	82	82	0	-0.2%
44.4%	81	81	0	-0.5%
45.7%	81	81	0	-0.1%
46.9%	81	81	0	0.1%
48.1%	81	80	0	-0.4%
49.4%	80	80	0	-0.4%
50.6%	80	80	0	-0.2%
51.9%	80	80	0	-0.1%
53.1%	80	80	0	0.0%
54.3%	80	80	0	0.2%
55.6%	80	80	0	0.1%
56.8%	79	80	0	0.1%
58.0%	79	80	0	0.4%
59.3%	79	79	1	0.8%
60.5%	78	78	0	0.3%
61.7%	78	78	1	1.2%
63.0%	76	78	2	3.0%
64.2%	75	78	3	3.4%
65.4%	75	77	2	3.2%
66.7%	73	76	3	4.3%
67.9%	72	75	4	4.9%
69.1%	71	74	3	4.8%
70.4%	70	72	2	2.9%
71.6%	69	72	3	3.7%
72.8%	69	71	2	3.2%
74.1%	69	70	1	1.1%
75.3%	68	69	1	1.3%
76.5%	65	68	2	3.5%
77.8%	65	64	-1	-0.9%
79.0%	65	64	-1	-1.0%
80.2%	63	63	0	0.7%
81.5%	62	63	0	0.6%
82.7%	62	62	1	0.9%
84.0%	62	62	0	0.6%
85.2%	57	59	1	2.6%
86.4%	56	58	2	3.9%
87.7%	55	56	0	0.5%
88.9%	55	55	0	-0.3%
90.1%	53	53	0	-0.8%
91.4%	52	52	0	-0.8%
92.6%	52	52	0	-0.4%
93.8%	51	51	0	0.2%
95.1%	50	50	0	0.4%
96.3%	49	49	0	0.2%
97.5%	49	49	0	0.1%
98.8%	48	48	0	0.2%
100.0%	47	47	0	0.0%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	90	3	3.7%
1.2%	86	89	3	3.0%
2.5%	86	88	2	2.5%
3.7%	86	87	1	1.3%
4.9%	85	84	-1	-1.1%
6.2%	85	84	-1	-1.0%
7.4%	85	84	-1	-1.3%
8.6%	85	83	-1	-1.7%
9.9%	85	83	-1	-1.6%
11.1%	84	83	-1	-1.4%
12.3%	84	83	-1	-1.0%
13.6%	84	83	-1	-1.4%
14.8%	84	83	-1	-1.4%
16.0%	83	82	-1	-0.7%
17.3%	83	82	-1	-1.0%
18.5%	82	82	0	-0.2%
19.8%	82	82	0	-0.1%
21.0%	81	82	0	0.5%
22.2%	81	81	1	0.6%
23.5%	81	81	0	-0.1%
24.7%	81	81	0	0.0%
25.9%	81	81	0	0.0%
27.2%	81	81	0	0.0%
28.4%	80	80	0	-0.2%
29.6%	80	80	0	-0.1%
30.9%	79	80	0	0.5%
32.1%	79	79	1	0.6%
33.3%	79	79	1	0.7%
34.6%	78	78	0	0.5%
35.8%	76	77	1	1.3%
37.0%	75	76	1	0.9%
38.3%	73	76	3	3.7%
39.5%	73	75	3	3.7%
40.7%	73	75	3	3.8%
42.0%	72	74	2	3.1%
43.2%	71	74	3	3.8%
44.4%	71	74	3	4.1%
45.7%	71	74	3	4.3%
46.9%	71	73	3	3.6%
48.1%	70	73	3	3.9%
49.4%	70	73	2	3.5%
50.6%	69	71	2	2.8%
51.9%	69	71	2	3.0%
53.1%	69	71	2	3.3%
54.3%	68	71	3	4.1%
55.6%	67	69	2	3.1%
56.8%	67	69	2	3.3%
58.0%	66	68	2	2.8%
59.3%	65	66	1	1.7%
60.5%	63	65	2	2.8%
61.7%	62	64	3	4.5%
63.0%	60	61	1	1.3%
64.2%	59	59	0	0.5%
65.4%	58	59	2	3.0%
66.7%	57	59	2	2.9%
67.9%	57	57	0	0.2%
69.1%	55	57	1	2.6%
70.4%	55	57	1	2.6%
71.6%	55	56	1	1.9%
72.8%	54	56	1	2.4%
74.1%	54	55	1	2.2%
75.3%	53	54	1	2.2%
76.5%	53	54	1	2.1%
77.8%	52	52	0	0.8%
79.0%	50	51	0	1.0%
80.2%	50	50	0	0.2%
81.5%	50	50	0	0.0%
82.7%	50	50	0	0.3%
84.0%	49	50	0	0.3%
85.2%	49	49	0	0.4%
86.4%	49	49	0	-0.2%
87.7%	48	49	0	0.5%
88.9%	48	49	0	0.7%
90.1%	48	49	0	0.7%
91.4%	48	48	0	0.7%
92.6%	48	48	0	0.4%
93.8%	48	48	0	-0.1%
95.1%	47	47	0	0.1%
96.3%	47	47	0	0.0%
97.5%	47	47	0	0.1%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

Table SQ-01-9b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	83	87	5	5.9%
1.2%	82	85	3	3.7%
2.5%	82	82	0	0.2%
3.7%	82	81	-1	-1.2%
4.9%	81	80	-1	-1.2%
6.2%	81	80	-2	-1.9%
7.4%	80	80	0	-0.1%
8.6%	78	79	2	2.0%
9.9%	77	77	0	0.6%
11.1%	77	77	1	0.7%
12.3%	77	77	0	0.6%
13.6%	76	77	1	1.4%
14.8%	75	76	0	0.5%
16.0%	74	75	1	1.4%
17.3%	74	75	1	1.1%
18.5%	73	75	1	1.9%
19.8%	73	74	1	1.7%
21.0%	72	74	2	2.6%
22.2%	72	73	1	1.4%
23.5%	71	72	1	1.4%
24.7%	71	72	1	1.2%
25.9%	70	72	2	2.8%
27.2%	68	71	3	4.3%
28.4%	67	71	4	5.4%
29.6%	67	70	2	3.7%
30.9%	67	69	2	3.5%
32.1%	66	68	2	2.8%
33.3%	66	68	1	2.3%
34.6%	66	67	2	2.5%
35.8%	65	67	2	2.6%
37.0%	65	66	2	2.4%
38.3%	65	66	1	1.2%
39.5%	64	65	1	2.3%
40.7%	63	65	2	2.5%
42.0%	63	65	2	2.8%
43.2%	63	65	2	2.8%
44.4%	63	64	2	2.6%
45.7%	61	63	2	3.1%
46.9%	61	61	0	0.8%
48.1%	59	61	2	3.2%
49.4%	59	60	2	3.2%
50.6%	59	60	1	2.1%
51.9%	58	59	1	2.2%
53.1%	58	59	1	1.3%
54.3%	58	58	0	0.1%
55.6%	56	57	1	1.2%
56.8%	55	56	0	0.3%
58.0%	55	56	0	0.4%
59.3%	55	55	1	1.4%
60.5%	54	55	1	2.1%
61.7%	54	54	1	1.5%
63.0%	53	54	1	1.5%
64.2%	53	54	1	1.6%
65.4%	53	53	0	0.1%
66.7%	53	53	0	0.2%
67.9%	51	53	1	2.2%
69.1%	51	53	1	2.2%
70.4%	51	52	1	1.7%
71.6%	51	52	0	0.6%
72.8%	51	51	0	0.2%
74.1%	50	50	0	0.0%
75.3%	49	49	0	0.0%
76.5%	49	49	0	0.1%
77.8%	49	49	0	0.1%
79.0%	49	49	0	0.0%
80.2%	48	48	0	0.1%
81.5%	48	48	0	0.1%
82.7%	48	48	0	0.2%
84.0%	48	48	0	0.1%
85.2%	48	48	0	0.2%
86.4%	48	48	0	0.2%
87.7%	48	48	0	0.2%
88.9%	48	48	0	0.1%
90.1%	48	48	0	-0.1%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.2%
93.8%	47	47	0	0.1%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	0.9%
1.2%	82	81	-1	-0.8%
2.5%	80	80	1	0.8%
3.7%	79	79	0	-0.5%
4.9%	79	79	0	-0.4%
6.2%	79	79	0	-0.4%
7.4%	79	79	0	0.2%
8.6%	77	78	1	1.5%
9.9%	76	76	1	1.0%
11.1%	75	76	1	1.5%
12.3%	75	76	1	1.5%
13.6%	74	76	1	1.8%
14.8%	74	75	1	0.9%
16.0%	74	74	0	0.6%
17.3%	74	74	0	0.6%
18.5%	74	74	0	0.4%
19.8%	73	73	0	-0.1%
21.0%	67	70	2	3.7%
22.2%	67	69	2	3.4%
23.5%	66	69	3	4.2%
24.7%	66	68	2	3.0%
25.9%	66	68	2	3.7%
27.2%	65	68	2	3.5%
28.4%	65	67	2	3.7%
29.6%	65	67	2	3.4%
30.9%	65	67	2	3.7%
32.1%	65	67	2	3.5%
33.3%	65	67	2	3.6%
34.6%	64	67	2	3.8%
35.8%	64	67	3	3.9%
37.0%	64	67	2	3.9%
38.3%	64	66	2	3.1%
39.5%	63	66	2	3.2%
40.7%	63	65	2	2.8%
42.0%	63	65	2	2.7%
43.2%	63	64	1	2.3%
44.4%	62	64	2	3.2%
45.7%	62	64	2	3.5%
46.9%	61	64	2	3.8%
48.1%	61	64	3	4.2%
49.4%	61	63	2	4.0%
50.6%	60	62	2	3.2%
51.9%	60	61	1	2.2%
53.1%	60	61	1	2.0%
54.3%	58	60	2	2.8%
55.6%	58	59	1	1.9%
56.8%	58	59	1	1.6%
58.0%	58	58	1	1.1%
59.3%	58	58	1	1.3%
60.5%	57	58	1	1.6%
61.7%	57	58	1	1.8%
63.0%	57	58	1	2.0%
64.2%	57	57	0	0.7%
65.4%	57	57	0	0.7%
66.7%	56	57	0	0.9%
67.9%	54	55	1	1.2%
69.1%	54	55	0	0.9%
70.4%	54	54	1	1.0%
71.6%	53	54	1	2.2%
72.8%	53	53	0	0.8%
74.1%	51	51	0	0.8%
75.3%	51	51	0	0.0%
76.5%	51	51	0	0.0%
77.8%	50	50	0	0.4%
79.0%	50	50	0	0.8%
80.2%	50	50	0	0.8%
81.5%	50	49	0	-0.1%
82.7%	49	49	0	-0.1%
84.0%	49	49	0	0.3%
85.2%	49	49	0	0.3%
86.4%	49	49	0	0.4%
87.7%	49	49	0	0.5%
88.9%	48	48	0	0.2%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.1%
92.6%	48	48	0	0.2%
93.8%	48	48	0	0.2%
95.1%	47	47	0	0.0%
96.3%	47	47	0	0.1%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	47	47	0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82	83	1	0.7%
1.2%	82	82	0	-0.3%
2.5%	80	80	0	0.1%
3.7%	80	80	0	0.1%
4.9%	79	80	0	0.4%
6.2%	79	78	-1	-0.8%
7.4%	78	78	-1	-0.7%
8.6%	77	78	0	0.4%
9.9%	77	77	0	-0.5%
11.1%	77	77	0	0.1%
12.3%	77	77	0	-0.3%
13.6%	77	77	0	-0.4%
14.8%	76	76	0	0.4%
16.0%	75	75	1	1.0%
17.3%	74	75	1	1.0%
18.5%	74	75	1	1.3%
19.8%	74	74	1	0.9%
21.0%	72	74	2	2.4%
22.2%	72	74	1	1.9%
23.5%	71	72	1	1.6%
24.7%	71	71	1	1.4%
25.9%	70	70	1	1.0%
27.2%	70	70	1	0.7%
28.4%	70	70	1	0.9%
29.6%	69	70	1	1.2%
30.9%	69	70	1	0.8%
32.1%	69	69	0	-0.2%
33.3%	68	69	0	0.5%
34.6%	68	69	1	1.0%
35.8%	68	68	1	1.0%
37.0%	68	68	1	1.0%
38.3%	67	68	1	1.4%
39.5%	67	68	1	1.0%
40.7%	66	67	0	0.7%
42.0%	66	66	0	0.7%
43.2%	66	66	1	1.0%
44.4%	65	66	1	1.6%
45.7%	65	65	1	1.2%
46.9%	64	65	1	0.9%
48.1%	64	65	1	0.8%
49.4%	64	65	1	0.8%
50.6%	64	65	1	0.9%
51.9%	63	64	1	2.0%
53.1%	62	64	1	2.4%
54.3%	62	63	1	1.2%
55.6%	62	62	0	0.5%
56.8%	62	62	0	0.0%
58.0%	62	62	0	-0.3%
59.3%	61	61	0	0.3%
60.5%	61	61	1	1.2%
61.7%	61	61	0	0.1%
63.0%	60	61	0	0.4%
64.2%	60	60	0	0.6%
65.4%	60	60	0	0.5%
66.7%	60	60	1	1.0%
67.9%	59	60	0	0.3%
69.1%	59	59	0	0.0%
70.4%	59	59	0	0.2%
71.6%	58	58	0	-0.1%
72.8%	57	57	0	0.7%
74.1%	56	57	1	1.5%
75.3%	56	57	1	1.6%
76.5%	55	56	0	0.6%
77.8%	55	55	0	-0.1%
79.0%	54	54	0	0.9%
80.2%	54	54	0	0.0%
81.5%	53	54	1	0.9%
82.7%	53	54	1	1.5%
84.0%	53	53	0	0.7%
85.2%	52	52	0	0.3%
86.4%	51	51	0	0.3%
87.7%	50	50	0	0.1%
88.9%	50	50	0	0.0%
90.1%	49	50	0	0.7%
91.4%	49	49	0	0.1%
92.6%	49	49	0	0.2%
93.8%	49	49	0	0.4%
95.1%	49	49	0	0.2%
96.3%	48	48	0	0.0%
97.5%	48	48	0	0.0%
98.8%	48	48	0	0.0%
100.0%	47	47	0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87	87	0	0.2%
1.2%	87	87	0	0.1%
2.5%	86	86	0	0.1%
3.7%	85	85	0	-0.1%
4.9%	83	83	0	0.1%
6.2%	81	82	0	0.6%
7.4%	81	81	0	0.0%
8.6%	81	81	0	0.2%
9.9%	81	81	0	0.0%
11.1%	81	81	0	0.1%
12.3%	81	80	0	-0.1%
13.6%	80	80	0	0.3%
14.8%	79	79	0	0.1%
16.0%	79	79	0	-0.1%
17.3%	78	78	0	-0.1%
18.5%	78	78	0	-0.2%
19.8%	78	78	0	-0.1%
21.0%	77	78	0	0.5%
22.2%	77	77	0	-0.4%
23.5%	76	77	1	0.7%
24.7%	76	77	1	0.9%
25.9%	76	76	0	0.5%
27.2%	76	76	1	0.7%
28.4%	76	75	-1	-0.9%
29.6%	76	75	-1	-1.0%
30.9%	75	75	0	-0.4%
32.1%	75	74	0	-0.2%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	0.4%
35.8%	73	73	0	0.6%
37.0%	73	73	0	0.3%
38.3%	72	72	0	0.1%
39.5%	72	71	0	-0.2%
40.7%	71	71	0	-0.1%
42.0%	70	70	0	0.0%
43.2%	69	69	0	0.0%
44.4%	69	69	0	0.3%
45.7%	69	69	0	0.3%
46.9%	68	68	0	-0.1%
48.1%	68	67	0	-0.3%
49.4%	67	67	0	-0.1%
50.6%	67	67	0	0.0%
51.9%	66	67	0	0.5%
53.1%	66	66	0	0.6%
54.3%	65	66	1	1.4%
55.6%	65	66	0	0.2%
56.8%	65	65	0	0.1%
58.0%	65	65	0	0.2%
59.3%	65	65	0	-0.1%
60.5%	65	65	0	0.1%
61.7%	65	65	0	0.2%
63.0%	64	65	0	0.3%
64.2%	64	64	0	0.0%
65.4%	63	63	0	0.2%
66.7%	63	63	0	0.3%
67.9%	63	63	0	0.4%
69.1%	62	62	0	0.2%
70.4%	62	62	0	0.2%
71.6%	62	62	0	0.2%
72.8%	61	62	0	0.6%
74.1%	60	62	1	2.1%
75.3%	60	61	1	1.3%
76.5%	60	61	0	0.7%
77.8%	60	60	0	0.8%
79.0%	59	60	0	0.7%
80.2%	59	59	0	0.0%
81.5%	58	58	0	0.0%
82.7%	57	57	0	0.0%
84.0%	57	57	0	0.1%
85.2%	57	56	-1	-1.1%
86.4%	55	55	0	-0.1%
87.7%	54	54	0	0.1%
88.9%	54	54	0	0.0%
90.1%	53	53	0	0.1%
91.4%	53	52	0	-0.5%
92.6%	52	52	0	-0.1%
93.8%	52	52	0	0.1%
95.1%	51	52	0	0.2%
96.3%	51	51	0	0.1%
97.5%	49	50	0	0.0%
98.8%	49	49	0	0.1%
100.0%	48	49	0	0.4%

Table SQ-01-9b

X2, Monthly Position

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	90	90	0	0.2%
1.2%	90	90	0	-0.3%
2.5%	89	90	0	0.2%
3.7%	89	89	-1	-0.8%
4.9%	87	88	0	0.2%
6.2%	86	87	0	0.2%
7.4%	85	85	0	-0.4%
8.6%	83	83	0	-0.2%
9.9%	83	83	0	-0.1%
11.1%	83	83	0	0.1%
12.3%	83	83	0	0.1%
13.6%	83	82	0	-0.3%
14.8%	82	82	0	-0.2%
16.0%	82	82	-1	-0.7%
17.3%	82	82	0	-0.2%
18.5%	82	82	0	-0.1%
19.8%	82	81	0	-0.2%
21.0%	82	81	0	-0.6%
22.2%	81	81	0	-0.5%
23.5%	81	81	0	-0.1%
24.7%	81	81	0	-0.1%
25.9%	81	81	0	-0.2%
27.2%	81	81	0	-0.5%
28.4%	81	81	0	-0.5%
29.6%	81	81	0	-0.5%
30.9%	81	81	0	-0.6%
32.1%	81	80	-1	-0.7%
33.3%	81	80	-1	-0.6%
34.6%	81	80	-1	-0.7%
35.8%	81	80	-1	-0.7%
37.0%	80	80	0	-0.3%
38.3%	80	80	-1	-0.8%
39.5%	80	80	0	-0.3%
40.7%	80	79	0	-0.6%
42.0%	79	79	0	-0.5%
43.2%	79	78	-1	-1.0%
44.4%	78	78	0	-0.4%
45.7%	78	77	0	-0.4%
46.9%	77	77	0	-0.2%
48.1%	77	77	0	-0.5%
49.4%	77	76	0	-0.5%
50.6%	77	76	0	-0.5%
51.9%	76	76	0	-0.6%
53.1%	76	75	0	-0.5%
54.3%	75	75	0	-0.6%
55.6%	75	75	-1	-1.0%
56.8%	75	75	-1	-1.1%
58.0%	75	74	0	-0.6%
59.3%	75	74	-1	-0.8%
60.5%	75	74	0	-0.6%
61.7%	75	74	-1	-0.7%
63.0%	74	74	-1	-0.8%
64.2%	73	73	0	-0.1%
65.4%	73	73	0	-0.1%
66.7%	73	73	0	-0.2%
67.9%	73	72	-1	-1.0%
69.1%	72	72	0	-0.4%
70.4%	72	71	-1	-0.8%
71.6%	72	70	-1	-1.6%
72.8%	71	70	-1	-1.0%
74.1%	69	69	0	-0.3%
75.3%	69	69	0	-0.2%
76.5%	69	69	0	0.0%
77.8%	68	67	0	-0.7%
79.0%	68	67	0	-0.3%
80.2%	67	66	0	-0.6%
81.5%	66	66	0	-0.2%
82.7%	65	66	0	0.6%
84.0%	65	65	0	0.2%
85.2%	65	65	0	0.0%
86.4%	64	64	1	1.1%
87.7%	63	63	-1	-0.9%
88.9%	63	62	0	-0.7%
90.1%	59	59	0	-0.6%
91.4%	58	58	0	-0.1%
92.6%	57	57	0	-0.4%
93.8%	57	56	-1	-1.2%
95.1%	56	56	0	-0.5%
96.3%	56	56	0	-0.1%
97.5%	55	55	0	-0.2%
98.8%	50	50	0	0.1%
100.0%	49	49	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	91	0	0.2%
1.2%	91	90	0	-0.2%
2.5%	89	89	0	0.0%
3.7%	89	89	0	-0.3%
4.9%	89	88	-1	-0.7%
6.2%	88	88	0	0.1%
7.4%	87	87	-1	-0.7%
8.6%	86	86	0	0.0%
9.9%	86	86	0	-0.2%
11.1%	86	86	0	0.0%
12.3%	86	86	0	-0.2%
13.6%	86	86	0	-0.3%
14.8%	86	85	0	-0.5%
16.0%	86	85	0	-0.4%
17.3%	85	85	0	-0.4%
18.5%	85	85	-1	-0.7%
19.8%	85	84	-1	-0.7%
21.0%	85	84	-1	-0.7%
22.2%	85	84	-1	-0.7%
23.5%	85	84	-1	-1.2%
24.7%	85	84	-1	-1.3%
25.9%	85	84	-1	-1.2%
27.2%	85	83	-1	-1.4%
28.4%	84	83	-1	-1.4%
29.6%	84	83	-1	-1.5%
30.9%	84	83	-1	-1.7%
32.1%	84	83	-1	-1.6%
33.3%	84	83	-1	-1.4%
34.6%	84	83	-1	-1.7%
35.8%	84	83	-1	-1.6%
37.0%	82	82	-1	-1.0%
38.3%	82	81	-1	-0.7%
39.5%	82	81	-1	-0.8%
40.7%	82	81	-1	-0.8%
42.0%	81	81	-1	-0.8%
43.2%	81	80	-1	-1.2%
44.4%	81	80	-2	-1.9%
45.7%	81	80	-1	-1.8%
46.9%	81	80	-2	-1.9%
48.1%	81	80	-2	-1.9%
49.4%	81	79	-1	-1.6%
50.6%	81	79	-2	-2.1%
51.9%	81	79	-2	-2.1%
53.1%	81	79	-2	-2.1%
54.3%	80	79	-1	-1.4%
55.6%	80	78	-2	-2.0%
56.8%	80	78	-2	-2.1%
58.0%	80	78	-2	-2.3%
59.3%	80	78	-2	-2.1%
60.5%	79	78	-2	-2.0%
61.7%	79	78	-2	-1.9%
63.0%	79	78	-1	-1.8%
64.2%	79	78	-1	-1.8%
65.4%	79	77	-2	-2.2%
66.7%	79	77	-2	-2.1%
67.9%	79	77	-2	-2.0%
69.1%	79	77	-1	-1.7%
70.4%	79	77	-2	-1.9%
71.6%	78	77	-1	-1.6%
72.8%	78	77	-1	-1.9%
74.1%	78	77	-2	-2.0%
75.3%	78	76	-2	-2.1%
76.5%	78	76	-2	-2.3%
77.8%	78	76	-2	-2.4%
79.0%	77	76	-2	-2.3%
80.2%	77	76	-2	-2.2%
81.5%	77	75	-1	-1.6%
82.7%	77	75	-2	-2.0%
84.0%	76	75	-1	-1.6%
85.2%	75	75	0	-0.6%
86.4%	75	74	-1	-1.2%
87.7%	75	74	-1	-1.5%
88.9%	74	73	-2	-2.3%
90.1%	73	72	-1	-1.6%
91.4%	72	72	0	-0.3%
92.6%	72	71	-1	-1.7%
93.8%	70	70	0	-0.6%
95.1%	70	70	0	-0.3%
96.3%	68	67	-2	-2.2%
97.5%	62	63	0	0.3%
98.8%	61	61	0	0.1%
100.0%	57	57	0	0.4%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	91	92	1	1.0%
1.2%	90	90	0	0.2%
2.5%	90	90	0	0.1%
3.7%	90	89	0	-0.5%
4.9%	90	89	-1	-0.7%
6.2%	89	89	-1	-0.6%
7.4%	89	89	-1	-0.6%
8.6%	89	89	-1	-0.7%
9.9%	89	88	0	-0.5%
11.1%	88	88	0	-0.1%
12.3%	88	88	0	0.2%
13.6%	87	88	0	0.2%
14.8%	87	87	0	-0.3%
16.0%	87	87	-1	-0.7%
17.3%	87	86	-1	-1.2%
18.5%	87	86	-1	-1.2%
19.8%	87	86	-1	-1.2%
21.0%	87	86	-1	-1.2%
22.2%	87	86	-1	-1.3%
23.5%	87	86	-1	-1.5%
24.7%	87	86	-1	-1.4%
25.9%	87	85	-1	-1.7%
27.2%	87	85	-1	-1.6%
28.4%	87	85	-1	-1.5%
29.6%	86	85	-1	-1.3%
30.9%	86	85	-1	-1.3%
32.1%	86	85	-1	-1.3%
33.3%	86	85	-1	-1.3%
34.6%	86	85	-1	-1.3%
35.8%	86	85	-1	-1.2%
37.0%	86	85	-1	-1.2%
38.3%	86	85	-1	-1.2%
39.5%	86	85	-1	-1.1%
40.7%	86	85	-1	-1.0%
42.0%	86	85	-1	-1.0%
43.2%	86	85	-1	-1.1%
44.4%	86	85	-1	-1.0%
45.7%	86	85	-1	-0.9%
46.9%	86	85	-1	-1.0%
48.1%	86	85	-1	-1.0%
49.4%	86	85	-1	-1.1%
50.6%	86	84	-1	-1.4%
51.9%	85	84	-1	-1.3%
53.1%	85	84	-1	-1.2%
54.3%	85	84	-1	-1.1%
55.6%	85	84	-1	-0.9%
56.8%	85	84	-1	-0.9%
58.0%	85	84	-1	-0.9%
59.3%	85	84	-1	-0.9%
60.5%	85	84	-1	-1.0%
61.7%	85	84	-1	-1.0%
63.0%	85	84	-1	-1.2%
64.2%	85	84	-1	-1.3%
65.4%	85	84	-1	-1.2%
66.7%	85	84	-1	-1.1%
67.9%	85	84	-1	-1.2%
69.1%	84	83	-1	-1.3%
70.4%	84	83	-1	-1.3%
71.6%	84	83	-1	-1.4%
72.8%	84	83	-1	-1.3%
74.1%	84	83	-1	-1.8%
75.3%	84	83	-1	-1.8%
76.5%	84	83	-1	-1.6%
77.8%	84	83	-1	-1.5%
79.0%	84	82	-1	-1.8%
80.2%	84	82	-2	-1.8%
81.5%	84	82	-1	-1.4%
82.7%	83	82	-1	-1.1%
84.0%	83	82	-1	-1.3%
85.2%	83	82	-1	-1.3%
86.4%	83	81	-1	-1.7%
87.7%	83	81	-1	-1.8%
88.9%	83	81	-2	-2.1%
90.1%	83	81	-2	-2.2%
91.4%	83	81	-2	-2.3%
92.6%	82	81	-2	-2.2%
93.8%	82	81	-1	-1.7%
95.1%	82	81	-1	-1.6%
96.3%	82	80	-2	-2.4%
97.5%	75	78	3	3.4%
98.8%	70	69	-2	-2.2%
100.0%	67	66	-1	-1.8%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Position (KM)	Alternative D Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92	93	0	0.1%
1.2%	92	92	0	0.2%
2.5%	92	92	0	0.0%
3.7%	92	92	0	0.0%
4.9%	92	92	0	-0.1%
6.2%	92	91	0	-0.4%
7.4%	91	91	0	-0.4%
8.6%	91	91	0	-0.3%
9.9%	91	91	0	-0.4%
11.1%	91	91	0	-0.2%
12.3%	91	91	0	-0.4%
13.6%	91	90	0	-0.5%
14.8%	90	90	0	0.1%
16.0%	90	90	0	-0.2%
17.3%	90	90	0	-0.5%
18.5%	90	90	-1	-0.6%
19.8%	90	89	0	-0.6%
21.0%	90	89	-1	-1.0%
22.2%	90	89	-1	-0.9%
23.5%	90	89	-1	-1.1%
24.7%	90	89	-1	-1.1%
25.9%	90	89	-1	-1.1%
27.2%	90	89	-1	-1.1%
28.4%	90	89	-1	-1.1%
29.6%	90	89	-1	-1.2%
30.9%	90	88	-1	-1.3%
32.1%	90	88	-1	-1.3%
33.3%	90	88	-1	-1.3%
34.6%	89	88	-1	-1.2%
35.8%	89	88	-1	-1.2%
37.0%	89	88	-1	-1.1%
38.3%	89	88	-1	-1.2%
39.5%	89	88	-1	-1.3%
40.7%	89	88	-1	-1.4%
42.0%	89	88	-1	-1.5%
43.2%	89	88	-1	-1.5%
44.4%	89	88	-1	-1.5%
45.7%	89	88	-2	-1.7%
46.9%	89	87	-2	-1.9%
48.1%	89	87	-1	-1.6%
49.4%	89	87	-1	-1.6%
50.6%	89	87	-1	-1.6%
51.9%	88	87	-1	-1.5%
53.1%	88	87	-1	-1.5%
54.3%	81	81	0	-0.2%
55.6%	81	81	0	-0.2%
56.8%	81	81	0	-0.3%
58.0%	81	81	0	-0.3%
59.3%	81	81	0	-0.4%
60.5%	81	81	0	-0.4%
61.7%	81	81	0	-0.4%
63.0%	81	81	0	-0.4%
64.2%	81	80	-1	-1.3%
65.4%	81	80	-1	-1.4%
66.7%	81	80	-1	-1.5%
67.9%	74	74	0	0.0%
69.1%	74	74	0	-0.1%
70.4%	74	74	0	-0.1%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.4%
74.1%	74	74	0	-0.4%
75.3%	74	74	0	-0.4%
76.5%	74	74	0	-0.4%
77.8%	74	74	0	-0.4%
79.0%	74	74	0	-0.4%
80.2%	74	74	0	-0.4%
81.5%	74	74	0	-0.4%
82.7%	74	74	0	-0.4%
84.0%	74	74	0	-0.4%
85.2%	74	74	0	-0.4%
86.4%	74	74	0	-0.4%
87.7%	74	74	0	-0.5%
88.9%	74	74	0	-0.5%
90.1%	74	74	0	-0.5%
91.4%	74	74	0	-0.6%
92.6%	74	73	-1	-1.2%
93.8%	74	73	-1	-1.2%
95.1%	74	73	-1	-1.3%
96.3%	74	73	-1	-1.4%
97.5%	69	71	1	1.9%
98.8%	66	67	1	1.6%
100.0%	66	67	1	1.6%

Table SW-30-9a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	11,090	15,637	23,085	31,464	36,638	32,437	23,161	18,934	16,432	19,394	15,017	17,468
Alternative D	11,707	16,421	22,598	30,478	35,632	30,955	22,859	18,881	16,805	20,336	15,741	18,327
Difference	617	784	-488	-986	-1,007	-1,482	-303	-54	373	942	724	859
Percent Difference[3]	5.6%	5.0%	-2.1%	-3.1%	-2.7%	-4.6%	-1.3%	-0.3%	2.3%	4.9%	4.8%	4.9%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	13,254	20,448	25,546	50,572	56,773	49,415	37,942	31,711	23,757	19,905	15,936	27,532
Alternative D	14,563	21,070	24,682	49,965	56,097	48,727	37,655	31,594	24,461	20,879	16,050	28,338
Difference	1,309	622	-864	-608	-676	-688	-288	-116	704	974	114	807
Percent Difference	9.9%	3.0%	-3.4%	-1.2%	-1.2%	-1.4%	-0.8%	-0.4%	3.0%	4.9%	0.7%	2.9%
Above Normal (15%)												
No Action Alternative	11,852	17,371	24,240	38,344	44,715	43,864	25,957	20,686	16,426	21,849	16,444	20,562
Alternative D	12,643	18,940	22,832	36,689	43,448	42,292	25,332	20,563	16,742	23,234	16,591	21,425
Difference	791	1,570	-1,407	-1,655	-1,267	-1,572	-625	-123	316	1,385	147	862
Percent Difference	6.7%	9.0%	-5.8%	-4.3%	-2.8%	-3.6%	-2.4%	-0.6%	1.9%	6.3%	0.9%	4.2%
Below Normal (17%)												
No Action Alternative	11,660	16,189	27,523	22,900	30,837	23,218	17,387	13,871	13,510	21,231	15,698	12,163
Alternative D	12,156	17,090	27,935	20,942	29,993	21,062	16,976	13,693	13,931	22,161	16,045	12,969
Difference	495	901	413	-1,959	-843	-2,156	-412	-178	421	929	347	806
Percent Difference	4.2%	5.6%	1.5%	-8.6%	-2.7%	-9.3%	-2.4%	-1.3%	3.1%	4.4%	2.2%	6.6%
Dry (22%)												
No Action Alternative	9,410	12,351	22,276	17,301	21,246	20,381	13,092	10,752	12,410	19,039	15,709	11,163
Alternative D	9,437	13,196	22,340	16,532	19,838	17,661	12,794	10,823	12,534	19,886	17,196	12,398
Difference	27	845	63	-769	-1,408	-2,720	-298	71	124	848	1,487	1,235
Percent Difference	0.3%	6.8%	0.3%	-4.4%	-6.6%	-13.3%	-2.3%	0.7%	1.0%	4.5%	9.5%	11.1%
Critical (15%)												
No Action Alternative	7,492	7,764	12,634	14,417	14,795	13,062	10,180	7,679	10,009	14,221	9,766	8,216
Alternative D	7,463	7,882	12,006	14,091	13,743	12,593	10,287	7,789	10,042	14,805	11,686	8,685
Difference	-30	118	-628	-326	-1,052	-469	107	110	33	585	1,919	469
Percent Difference	-0.4%	1.5%	-5.0%	-2.3%	-7.1%	-3.6%	1.1%	1.4%	0.3%	4.1%	19.7%	5.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-30-9b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

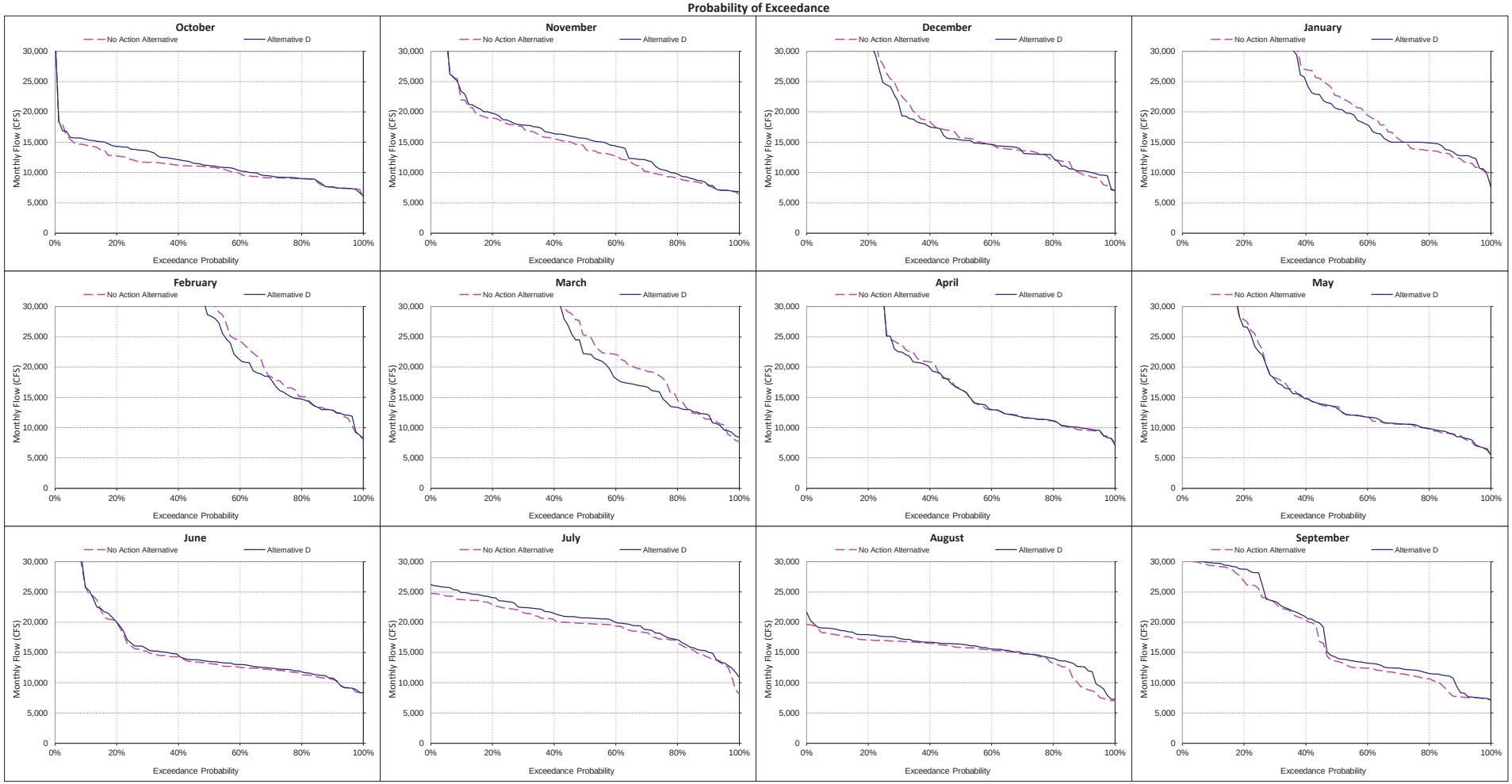

Table SW-30-9b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,212	33,278	66	0.2%
1.2%	18,350	18,533	183	1.0%
2.5%	17,907	16,864	-1,043	-5.8%
3.7%	16,142	16,807	664	4.1%
4.9%	15,513	15,844	332	2.1%
6.2%	14,917	15,720	803	5.4%
7.4%	14,692	15,691	999	6.8%
8.6%	14,649	15,660	1,011	6.9%
9.9%	14,537	15,508	971	6.7%
11.1%	14,364	15,311	948	6.6%
12.3%	14,328	15,305	977	6.8%
13.6%	14,144	15,183	1,039	7.3%
14.8%	13,736	15,089	1,353	9.8%
16.0%	13,710	15,034	1,323	9.7%
17.3%	12,820	14,747	1,927	15.0%
18.5%	12,813	14,430	1,617	12.6%
19.8%	12,788	14,315	1,527	11.9%
21.0%	12,667	14,285	1,618	12.8%
22.2%	12,610	14,203	1,593	12.6%
23.5%	12,416	14,192	1,776	14.3%
24.7%	12,162	13,826	1,664	13.7%
25.9%	11,959	13,810	1,850	15.5%
27.2%	11,786	13,683	1,896	16.1%
28.4%	11,717	13,651	1,934	16.5%
29.6%	11,694	13,620	1,926	16.5%
30.9%	11,685	13,432	1,747	15.0%
32.1%	11,683	13,221	1,539	13.2%
33.3%	11,660	12,724	1,064	9.1%
34.6%	11,546	12,493	947	8.2%
35.8%	11,474	12,491	1,017	8.9%
37.0%	11,445	12,399	954	8.3%
38.3%	11,321	12,241	921	8.1%
39.5%	11,221	12,182	962	8.6%
40.7%	11,178	12,004	826	7.4%
42.0%	11,112	11,946	834	7.5%
43.2%	11,079	11,858	779	7.0%
44.4%	11,064	11,587	523	4.7%
45.7%	11,046	11,480	434	3.9%
46.9%	11,042	11,427	385	3.5%
48.1%	10,994	11,228	234	2.1%
49.4%	10,912	11,178	266	2.4%
50.6%	10,864	11,117	254	2.3%
51.9%	10,830	11,067	236	2.2%
53.1%	10,691	10,878	186	1.7%
54.3%	10,677	10,831	154	1.4%
55.6%	10,393	10,810	417	4.0%
56.8%	10,197	10,761	565	5.5%
58.0%	10,025	10,646	622	6.2%
59.3%	10,023	10,398	375	3.7%
60.5%	9,637	10,206	569	5.9%
61.7%	9,436	10,170	734	7.8%
63.0%	9,414	10,026	612	6.5%
64.2%	9,341	9,987	646	6.9%
65.4%	9,323	9,908	585	6.3%
66.7%	9,188	9,610	422	4.6%
67.9%	9,186	9,529	343	3.7%
69.1%	9,147	9,462	314	3.4%
70.4%	9,139	9,364	225	2.5%
71.6%	9,135	9,261	127	1.4%
72.8%	9,115	9,218	103	1.1%
74.1%	9,069	9,207	139	1.5%
75.3%	9,068	9,191	122	1.4%
76.5%	9,036	9,186	150	1.7%
77.8%	9,017	9,135	118	1.3%
79.0%	8,983	9,069	86	1.0%
80.2%	8,977	8,984	7	0.1%
81.5%	8,943	8,943	0	0.0%
82.7%	8,922	8,935	12	0.1%
84.0%	8,882	8,922	41	0.5%
85.2%	8,352	8,536	184	2.2%
86.4%	7,916	8,161	246	3.1%
87.7%	7,840	7,652	-188	-2.4%
88.9%	7,622	7,633	12	0.2%
90.1%	7,565	7,625	60	0.8%
91.4%	7,440	7,463	23	0.3%
92.6%	7,399	7,435	36	0.5%
93.8%	7,382	7,426	44	0.6%
95.1%	7,359	7,386	26	0.4%
96.3%	7,352	7,331	-21	-0.3%
97.5%	7,346	7,202	-143	-2.0%
98.8%	7,161	6,671	-490	-6.8%
100.0%	5,863	6,120	257	4.4%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,763	54,574	-190	-0.3%
1.2%	48,632	47,818	-814	-1.7%
2.5%	47,723	47,107	-616	-1.3%
3.7%	36,344	34,672	-1,673	-4.6%
4.9%	32,307	34,601	2,294	7.1%
6.2%	26,852	26,247	-605	-2.3%
7.4%	25,711	25,731	20	0.1%
8.6%	25,440	25,056	-384	-1.5%
9.9%	21,980	23,411	1,431	6.5%
11.1%	21,952	22,909	957	4.4%
12.3%	20,765	21,243	478	2.3%
13.6%	20,678	21,168	490	2.4%
14.8%	19,554	20,769	1,215	6.2%
16.0%	19,449	20,470	1,022	5.3%
17.3%	19,204	20,026	822	4.3%
18.5%	18,984	20,020	1,036	5.5%
19.8%	18,966	19,804	838	4.4%
21.0%	18,912	19,641	728	3.9%
22.2%	18,699	19,298	600	3.2%
23.5%	18,322	18,735	413	2.3%
24.7%	18,041	18,664	622	3.5%
25.9%	17,896	18,375	479	2.7%
27.2%	17,883	18,091	208	1.2%
28.4%	17,684	17,906	222	1.3%
29.6%	17,573	17,855	282	1.6%
30.9%	16,850	17,804	954	5.7%
32.1%	16,836	17,742	905	5.4%
33.3%	16,696	17,562	866	5.2%
34.6%	16,388	17,492	1,104	6.7%
35.8%	16,010	17,280	1,270	7.9%
37.0%	15,777	16,711	934	5.9%
38.3%	15,772	16,640	868	5.5%
39.5%	15,637	16,446	810	5.2%
40.7%	15,475	16,353	878	5.7%
42.0%	15,325	16,336	1,011	6.6%
43.2%	15,174	16,270	1,095	7.2%
44.4%	15,124	16,073	948	6.3%
45.7%	14,977	15,978	1,001	6.7%
46.9%	14,644	15,851	1,207	8.2%
48.1%	14,640	15,690	1,050	7.2%
49.4%	14,480	15,666	1,186	8.2%
50.6%	13,637	15,592	1,955	14.3%
51.9%	13,590	15,350	1,760	13.0%
53.1%	13,589	15,182	1,593	11.7%
54.3%	13,238	15,086	1,849	14.0%
55.6%	13,181	15,018	1,837	13.9%
56.8%	13,134	14,880	1,745	13.3%
58.0%	12,973	14,526	1,553	12.0%
59.3%	12,828	14,463	1,635	12.7%
60.5%	12,632	14,269	1,637	13.0%
61.7%	12,185	14,157	1,972	16.2%
63.0%	12,096	13,978	1,882	15.6%
64.2%	12,010	12,334	324	2.7%
65.4%	11,482	12,311	830	7.2%
66.7%	11,153	12,236	1,082	9.7%
67.9%	11,146	12,161	1,015	9.1%
69.1%	10,229	12,140	1,910	18.7%
70.4%	10,125	11,920	1,795	17.7%
71.6%	9,885	11,764	1,879	19.0%
72.8%	9,803	11,000	1,197	12.2%
74.1%	9,688	10,581	893	9.2%
75.3%	9,606	10,445	840	8.7%
76.5%	9,310	10,317	1,007	10.8%
77.8%	9,287	9,985	699	7.5%
79.0%	9,185	9,932	746	8.1%
80.2%	9,031	9,658	627	6.9%
81.5%	8,798	9,329	531	6.0%
82.7%	8,688	9,315	627	7.2%
84.0%	8,551	9,078	527	6.2%
85.2%	8,503	8,937	434	5.1%
86.4%	8,400	8,718	319	3.8%
87.7%	8,264	8,623	359	4.3%
88.9%	8,119	8,400	280	3.5%
90.1%	7,805	7,872	67	0.9%
91.4%	7,533	7,846	313	4.2%
92.6%	7,145	7,207	62	0.9%
93.8%	7,120	7,078	-42	-0.6%
95.1%	7,082	7,049	-33	-0.5%
96.3%	7,049	7,032	-17	-0.2%
97.5%	6,855	6,961	107	1.6%
98.8%	6,813	6,855	42	0.6%
100.0%	6,366	6,813	447	7.0%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,489	76,477	-12	0.0%
1.2%	75,125	73,794	-1,331	-1.8%
2.5%	68,512	66,871	-1,641	-2.4%
3.7%	59,837	59,930	92	0.2%
4.9%	58,803	59,497	693	1.2%
6.2%	57,819	57,786	-34	-0.1%
7.4%	50,471	50,762	291	0.6%
8.6%	50,174	49,852	-322	-0.6%
9.9%	49,883	49,757	-126	-0.3%
11.1%	48,142	46,762	-1,380	-2.9%
12.3%	44,746	45,093	346	0.8%
13.6%	43,136	39,300	-3,836	-8.9%
14.8%	40,947	38,500	-2,447	-6.0%
16.0%	36,716	38,072	1,356	3.7%
17.3%	35,122	37,551	2,429	6.9%
18.5%	35,094	35,048	-47	-0.1%
19.8%	34,892	34,383	-509	-1.5%
21.0%	33,741	30,786	-2,955	-8.8%
22.2%	33,340	29,513	-3,828	-11.5%
23.5%	28,805	27,138	-1,667	-5.8%
24.7%	27,965	24,868	-3,097	-11.1%
25.9%	26,446	24,441	-2,006	-7.6%
27.2%	25,448	24,175	-1,273	-5.0%
28.4%	25,085	22,822	-2,263	-9.0%
29.6%	23,520	21,730	-1,790	-7.6%
30.9%	22,606	19,343	-3,263	-14.4%
32.1%	21,894	19,301	-2,593	-11.8%
33.3%	21,312	18,870	-2,442	-11.5%
34.6%	20,108	18,785	-1,322	-6.6%
35.8%	19,786	18,342	-1,445	-7.3%
37.0%	18,861	18,130	-731	-3.9%
38.3%	18,738	18,042	-696	-3.7%
39.5%	18,586	17,636	-950	-5.1%
40.7%	18,043	17,418	-625	-3.5%
42.0%	17,439	17,368	-71	-0.4%
43.2%	17,299	17,268	-31	-0.2%
44.4%	17,088	16,072	-1,015	-5.9%
45.7%	16,984	15,614	-1,370	-8.1%
46.9%	16,891	15,571	-1,319	-7.8%
48.1%	16,681	15,543	-1,139	-6.8%
49.4%	15,797	15,431	-366	-2.3%
50.6%	15,705	15,315	-390	-2.5%
51.9%	15,647	15,297	-350	-2.2%
53.1%	15,640	15,277	-363	-2.3%
54.3%	15,511	14,855	-656	-4.2%
55.6%	15,058	14,851	-207	-1.4%
56.8%	14,972	14,763	-209	-1.4%
58.0%	14,733	14,729	-4	0.0%
59.3%	14,685	14,643	-42	-0.3%
60.5%	14,492	14,633	141	1.0%
61.7%	14,083	14,367	283	2.0%
63.0%	14,042	14,353	311	2.2%
64.2%	13,932	14,344	412	3.0%
65.4%	13,864	14,288	424	3.1%
66.7%	13,823	14,247	424	3.1%
67.9%	13,754	14,145	391	2.8%
69.1%	13,668	13,927	259	1.9%
70.4%	13,589	13,149	-440	-3.2%
71.6%	13,560	13,119	-441	-3.3%
72.8%	13,520	13,079	-442	-3.3%
74.1%	13,352	13,006	-346	-2.6%
75.3%	13,114	13,000	-114	-0.9%
76.5%	13,057	13,000	-57	-0.4%
77.8%	12,807	13,000	193	1.5%
79.0%	12,175	13,000	825	6.8%
80.2%	12,006	12,229	223	1.9%
81.5%	12,000	11,858	-142	-1.2%
82.7%	11,872	11,078	-794	-6.7%
84.0%	11,808	11,062	-746	-6.3%
85.2%	11,788	10,591	-1,196	-10.1%
86.4%	10,279	10,546	267	2.6%
87.7%	10,171	10,296	125	1.2%
88.9%	9,789	10,270	482	4.9%
90.1%	9,556	10,267	711	7.4%
91.4%	9,509	10,102	594	6.2%
92.6%	9,208	9,963	755	8.2%
93.8%	9,182	9,816	634	6.9%
95.1%	8,808	9,587	779	8.8%
96.3%	7,937	9,530	1,592	20.1%
97.5%	7,822	9,470	1,648	21.1%
98.8%	7,126	7,309	184	2.6%
100.0%	6,971	7,010	39	0.6%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,316	78,624	308	0.4%
1.2%	77,247	77,233	-14	0.0%
2.5%	75,332	74,825	-507	-0.7%
3.7%	72,573	72,577	4	0.0%
4.9%	71,030	70,521	-509	-0.7%
6.2%	68,845	66,790	-2,055	-3.0%
7.4%	65,650	65,158	-493	-0.8%
8.6%	63,413	63,424	11	0.0%
9.9%	62,803	63,197	394	0.6%
11.1%	62,334	61,803	-531	-0.9%
12.3%	59,310	57,600	-1,711	-2.9%
13.6%	59,032	57,402	-1,630	-2.8%
14.8%	58,905	57,238	-1,667	-2.8%
16.0%	58,818	57,017	-1,801	-3.1%
17.3%	57,654	56,970	-684	-1.2%
18.5%	57,044	56,555	-489	-0.9%
19.8%	55,526	54,128	-1,398	-2.5%
21.0%	55,426	53,275	-2,152	-3.9%
22.2%	48,644	47,353	-1,291	-2.7%
23.5%	47,302	47,083	-219	-0.5%
24.7%	47,151	45,317	-1,834	-3.9%
25.9%	46,352	43,243	-3,109	-6.7%
27.2%	45,303	42,329	-2,974	-6.6%
28.4%	42,952	40,933	-2,019	-4.7%
29.6%	42,725	38,699	-4,026	-9.4%
30.9%	38,697	37,460	-1,237	-3.2%
32.1%	38,364	36,066	-2,298	-6.0%
33.3%	37,060	34,901	-2,160	-5.8%
34.6%	37,027	34,071	-2,956	-8.0%
35.8%	31,603	30,221	-1,382	-4.4%
37.0%	30,867	29,401	-1,465	-4.7%
38.3%	27,819	26,087	-1,732	-6.2%
39.5%	27,034	25,777	-1,257	-4.7%
40.7%	26,887	24,165	-2,722	-10.1%
42.0%	26,847	23,146	-3,701	-13.8%
43.2%	25,673	22,901	-2,772	-10.8%
44.4%	25,568	22,886	-2,682	-10.5%
45.7%	24,969	21,853	-3,117	-12.5%
46.9%	24,568	21,542	-3,026	-12.3%
48.1%	24,081	21,409	-2,672	-11.1%
49.4%	22,735	20,705	-2,030	-8.9%
50.6%	22,602	20,432	-2,170	-9.6%
51.9%	22,060	20,369	-1,692	-7.7%
53.1%	21,932	19,794	-2,139	-9.8%
54.3%	21,546	19,771	-1,776	-8.2%
55.6%	21,036	19,520	-1,516	-7.2%
56.8%	20,692	18,591	-2,101	-10.2%
58.0%	20,585	18,348	-2,236	-10.9%
59.3%	19,741	18,039	-1,702	-8.6%
60.5%	19,247	17,728	-1,519	-7.9%
61.7%	18,873	16,744	-2,129	-11.3%
63.0%	18,792	16,446	-2,346	-12.5%
64.2%	17,848	16,371	-1,477	-8.3%
65.4%	17,840	15,633	-2,207	-12.4%
66.7%	16,706	15,260	-1,446	-8.7%
67.9%	16,628	15,000	-1,628	-9.8%
69.1%	15,896	15,000	-896	-5.6%
70.4%	15,400	15,000	-400	-2.6%
71.6%	15,010	15,000	-10	-0.1%
72.8%	14,785	15,000	215	1.5%
74.1%	13,975	15,000	1,025	7.3%
75.3%	13,843	15,000	1,157	8.4%
76.5%	13,810	15,000	1,190	8.6%
77.8%	13,782	15,000	1,218	8.8%
79.0%	13,646	14,899	1,253	9.2%
80.2%	13,610	14,868	1,258	9.2%
81.5%	13,566	14,837	1,271	9.4%
82.7%	13,475	14,756	1,280	9.5%
84.0%	13,224	14,468	1,244	9.4%
85.2%	13,186	13,831	646	4.9%
86.4%	13,092	13,710	619	4.7%
87.7%	12,531	13,390	859	6.9%
88.9%	12,527	12,913	387	3.1%
90.1%	12,253	12,778	524	4.3%
91.4%	11,711	12,766	1,054	9.0%
92.6%	11,650	12,757	1,108	9.5%
93.8%	11,505	12,477	972	8.4%
95.1%	10,867	12,296	1,429	13.1%
96.3%	10,789	10,697	-92	-0.8%
97.5%	10,352	10,618	265	2.6%
98.8%	10,045	9,652	-393	-3.9%
100.0%	9,884	7,556	-2,328	-23.6%

Table SW-30-9b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,122	77,119	-3	0.0%
1.2%	74,425	74,446	21	0.0%
2.5%	73,987	74,427	440	0.6%
3.7%	72,274	72,275	1	0.0%
4.9%	70,946	70,314	-632	-0.9%
6.2%	70,019	69,811	-208	-0.3%
7.4%	69,393	69,619	227	0.3%
8.6%	68,757	68,911	154	0.2%
9.9%	68,417	68,761	344	0.5%
11.1%	67,622	66,964	-657	-1.0%
12.3%	66,930	66,394	-535	-0.8%
13.6%	65,626	64,645	-981	-1.5%
14.8%	64,719	64,438	-281	-0.4%
16.0%	62,473	62,474	1	0.0%
17.3%	62,102	61,528	-574	-0.9%
18.5%	61,746	60,900	-846	-1.4%
19.8%	60,900	60,341	-559	-0.9%
21.0%	59,604	58,795	-809	-1.4%
22.2%	59,068	58,460	-608	-1.0%
23.5%	58,970	57,821	-1,149	-1.9%
24.7%	57,116	57,602	485	0.8%
25.9%	52,164	52,753	589	1.1%
27.2%	51,908	51,936	28	0.1%
28.4%	50,694	48,924	-1,770	-3.5%
29.6%	49,066	47,863	-1,202	-2.5%
30.9%	48,591	47,453	-1,138	-2.3%
32.1%	48,309	46,709	-1,600	-3.3%
33.3%	47,872	45,601	-2,271	-4.7%
34.6%	47,835	44,702	-3,133	-6.5%
35.8%	46,794	44,697	-2,097	-4.5%
37.0%	45,191	44,561	-630	-1.4%
38.3%	43,657	44,163	505	1.2%
39.5%	43,618	43,562	-56	-0.1%
40.7%	42,296	41,541	-755	-1.8%
42.0%	42,199	39,486	-2,713	-6.4%
43.2%	39,327	39,343	16	0.0%
44.4%	36,325	34,247	-2,077	-5.7%
45.7%	34,877	32,564	-2,313	-6.6%
46.9%	34,268	31,687	-2,581	-7.5%
48.1%	33,715	30,951	-2,764	-8.2%
49.4%	33,690	28,667	-5,024	-14.9%
50.6%	32,667	28,383	-4,284	-13.1%
51.9%	30,188	28,040	-2,148	-7.1%
53.1%	29,101	27,299	-1,802	-6.2%
54.3%	28,636	25,492	-3,144	-11.0%
55.6%	27,112	24,643	-2,469	-9.1%
56.8%	25,138	23,994	-1,144	-4.6%
58.0%	24,731	22,120	-2,611	-10.6%
59.3%	24,460	21,497	-2,963	-12.1%
60.5%	24,106	20,955	-3,151	-13.1%
61.7%	23,498	20,757	-2,741	-11.7%
63.0%	22,884	20,744	-2,140	-9.4%
64.2%	22,302	19,393	-2,908	-13.0%
65.4%	21,823	19,078	-2,745	-12.6%
66.7%	21,408	18,891	-2,517	-11.8%
67.9%	19,649	18,533	-1,116	-5.7%
69.1%	18,623	18,454	-169	-0.9%
70.4%	18,286	17,734	-552	-3.0%
71.6%	17,809	16,765	-1,044	-5.9%
72.8%	17,773	16,141	-1,632	-9.2%
74.1%	17,049	15,866	-1,183	-6.9%
75.3%	16,598	15,459	-1,139	-6.9%
76.5%	16,575	15,114	-1,461	-8.8%
77.8%	16,247	14,817	-1,430	-8.8%
79.0%	15,184	14,788	-396	-2.6%
80.2%	15,101	14,711	-389	-2.6%
81.5%	15,098	14,456	-642	-4.3%
82.7%	13,987	14,228	241	1.7%
84.0%	13,687	13,609	-78	-0.6%
85.2%	13,389	13,379	-10	-0.1%
86.4%	13,359	13,000	-359	-2.7%
87.7%	13,081	13,000	-81	-0.6%
88.9%	13,017	13,000	-17	-0.1%
90.1%	12,887	12,858	-29	-0.2%
91.4%	12,459	12,397	-62	-0.5%
92.6%	12,381	12,344	-37	-0.3%
93.8%	11,809	12,120	311	2.6%
95.1%	11,524	12,074	550	4.8%
96.3%	10,286	11,896	1,610	15.7%
97.5%	9,135	9,308	173	1.9%
98.8%	8,694	8,762	68	0.8%
100.0%	8,005	8,253	248	3.1%

March				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,595	81,594	-1	0.0%
1.2%	77,524	77,592	67	0.1%
2.5%	72,447	72,309	-139	-0.2%
3.7%	70,875	70,494	-381	-0.5%
4.9%	68,126	68,128	2	0.0%
6.2%	67,712	67,632	-81	-0.1%
7.4%	67,633	66,979	-653	-1.0%
8.6%	66,279	66,511	231	0.3%
9.9%	61,320	61,438	118	0.2%
11.1%	61,114	60,910	-204	-0.3%
12.3%	60,631	60,296	-335	-0.6%
13.6%	59,153	58,019	-1,133	-1.9%
14.8%	57,369	57,360	-9	0.0%
16.0%	57,351	57,339	-12	0.0%
17.3%	54,792	54,729	-62	-0.1%
18.5%	54,728	53,119	-1,610	-2.9%
19.8%	52,800	51,281	-1,519	-2.9%
21.0%	48,495	48,133	-363	-0.7%
22.2%	47,746	46,960	-786	-1.6%
23.5%	46,957	46,866	-90	-0.2%
24.7%	44,695	46,258	1,563	3.5%
25.9%	44,518	43,337	-1,181	-2.7%
27.2%	43,310	41,176	-2,135	-4.9%
28.4%	42,981	40,553	-2,428	-5.6%
29.6%	41,569	38,268	-3,301	-7.9%
30.9%	41,529	36,802	-4,727	-11.4%
32.1%	40,468	36,237	-4,231	-10.5%
33.3%	37,756	34,065	-3,691	-9.8%
34.6%	36,262	33,558	-2,704	-7.5%
35.8%	34,599	33,446	-1,153	-3.3%
37.0%	34,057	33,321	-736	-2.2%
38.3%	33,906	32,269	-1,637	-4.8%
39.5%	33,591	31,619	-1,972	-5.9%
40.7%	32,400	31,464	-936	-2.9%
42.0%	32,231	30,160	-2,072	-6.4%
43.2%	29,812	27,928	-1,884	-6.3%
44.4%	29,160	26,917	-2,243	-7.7%
45.7%	28,800	25,435	-3,365	-11.7%
46.9%	27,904	24,509	-3,395	-12.2%
48.1%	27,674	24,488	-3,186	-11.5%
49.4%	25,330	22,242	-3,088	-12.2%
50.6%	25,195	22,162	-3,033	-12.0%
51.9%	24,912	22,112	-2,801	-11.2%
53.1%	23,704	21,436	-2,268	-9.6%
54.3%	22,895	21,183	-1,713	-7.5%
55.6%	22,381	20,962	-1,419	-6.3%
56.8%	22,260	20,377	-1,883	-8.5%
58.0%	22,237	19,660	-2,576	-11.6%
59.3%	22,164	18,402	-3,763	-17.0%
60.5%	22,007	17,933	-4,074	-18.5%
61.7%	21,284	17,554	-3,730	-17.5%
63.0%	20,973	17,414	-3,559	-17.0%
64.2%	20,169	17,318	-2,851	-14.1%
65.4%	20,110	17,203	-2,907	-14.5%
66.7%	19,859	17,052	-2,807	-14.1%
67.9%	19,662	16,926	-2,737	-13.9%
69.1%	19,559	16,827	-2,732	-14.0%
70.4%	19,251	16,650	-2,601	-13.5%
71.6%	19,209	16,129	-3,081	-16.0%
72.8%	18,946	16,061	-2,885	-15.2%
74.1%	18,584	15,923	-2,661	-14.3%
75.3%	18,122	14,700	-3,422	-18.9%
76.5%	17,186	14,144	-3,042	-17.7%
77.8%	15,614	13,477	-2,137	-13.7%
79.0%	15,612	13,413	-2,199	-14.1%
80.2%	14,333	13,313	-1,020	-7.1%
81.5%	14,310	13,076	-1,235	-8.6%
82.7%	13,350	13,000	-350	-2.6%
84.0%	12,745	13,000	255	2.0%
85.2%	12,354	12,605	251	2.0%
86.4%	12,353	12,552	198	1.6%
87.7%	12,069	12,334	265	2.2%
88.9%	11,442	12,271	829	7.2%
90.1%	11,416	12,106	690	6.0%
91.4%	11,248	10,810	-438	-3.9%
92.6%	10,976	10,684	-292	-2.7%
93.8%	10,572	10,346	-226	-2.1%
95.1%	10,470	9,650	-820	-7.8%
96.3%	8,902	9,509	607	6.8%
97.5%	8,576	9,255	680	7.9%
98.8%	7,910	8,622	712	9.0%
100.0%	7,690	8,413	723	9.4%

April				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,146	72,147	1	0.0%
1.2%	67,580	67,580	0	0.0%
2.5%	64,636	65,035	399	0.6%
3.7%	56,997	57,008	11	0.0%
4.9%	56,147	56,153	7	0.0%
6.2%	54,491	54,487	-4	0.0%
7.4%	54,373	53,510	-863	-1.6%
8.6%	53,515	52,697	-818	-1.5%
9.9%	50,373	49,948	-426	-0.8%
11.1%	49,947	47,642	-2,305	-4.6%
12.3%	45,464	45,340	-124	-0.3%
13.6%	42,659	41,943	-716	-1.7%
14.8%	42,165	40,971	-1,194	-2.8%
16.0%	41,937	39,733	-2,204	-5.3%
17.3%	40,385	39,270	-1,116	-2.8%
18.5%	39,697	38,789	-908	-2.3%
19.8%	38,814	37,051	-1,762	-4.5%
21.0%	37,664	35,034	-2,631	-7.0%
22.2%	34,656	34,675	19	0.1%
23.5%	34,069	33,146	-923	-2.7%
24.7%	33,032	32,759	-273	-0.8%
25.9%	25,170	25,152	-18	-0.1%
27.2%	24,542	25,084	542	2.2%
28.4%	24,339	23,024	-1,316	-5.4%
29.6%	23,920	22,525	-1,395	-5.8%
30.9%	23,745	22,478	-1,267	-5.3%
32.1%	22,919	22,059	-859	-3.7%
33.3%	22,524	21,768	-757	-3.4%
34.6%	22,471	20,869	-1,602	-7.1%
35.8%	21,470	20,756	-714	-3.3%
37.0%	21,047	20,683	-364	-1.7%
38.3%	20,970	20,472	-498	-2.4%
39.5%	20,915	20,161	-754	-3.6%
40.7%	20,793	19,367	-1,426	-6.9%
42.0%	20,067	19,179	-888	-4.4%
43.2%	18,611	19,027	416	2.2%
44.4%	18,115	18,273	159	0.9%
45.7%	18,102	18,030	-71	-0.4%
46.9%	18,013	17,263	-750	-4.2%
48.1%	16,748	16,841	93	0.6%
49.4%	16,614	16,407	-207	-1.2%
50.6%	16,145	16,151	6	0.0%
51.9%	15,772	15,767	-5	0.0%
53.1%	14,837	14,902	65	0.4%
54.3%	14,092	14,095	3	0.0%
55.6%	13,860	13,936	76	0.5%
56.8%	13,744	13,859	115	0.8%
58.0%	13,150	13,721	571	4.3%
59.3%	12,995	13,089	94	0.7%
60.5%	12,950	12,956	7	0.1%
61.7%	12,926	12,916	-10	-0.1%
63.0%	12,658	12,710	51	0.4%
64.2%	12,281	12,304	22	0.2%
65.4%	12,214	12,248	34	0.3%
66.7%	12,202	12,107	-95	-0.8%
67.9%	12,116	11,996	-120	-1.0%
69.1%	11,999	11,802	-197	-1.6%
70.4%	11,626	11,660	34	0.3%
71.6%	11,623	11,600	-24	-0.2%
72.8%	11,509	11,578	69	0.6%
74.1%	11,467	11,464	-4	0.0%
75.3%	11,358	11,414	56	0.5%
76.5%	11,335	11,391	56	0.5%
77.8%	11,185	11,343	159	1.4%
79.0%	11,172	11,221	50	0.4%
80.2%	11,092	11,093	1	0.0%
81.5%	10,842	10,792	-50	-0.5%
82.7%	10,290	10,340	50	0.5%
84.0%	10,227	10,322	95	0.9%
85.2%	9,998	10,183	185	1.8%
86.4%	9,950	10,117	167	1.7%
87.7%	9,732	10,105	373	3.8%
88.9%	9,613	9,988	374	3.9%
90.1%	9,613	9,891	278	2.9%
91.4%	9,554	9,789	234	2.5%
92.6%	9,487	9,686	199	2.1%
93.8%	9,481	9,611	131	1.4%
95.1%	9,388	9,554	166	1.8%
96.3%	8,671	8,671	0	0.0%
97.5%	8,596	8,321	-275	-3.2%
98.8%	8,259	8,257	-1	0.0%
100.0%	7,379	7,121	-258	-3.5%

May				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,574	58,482	-92	-0.2%
1.2%	58,281	57,145	-1,136	-1.9%
2.5%	53,991	54,011	20	0.0%
3.7%	52,611	52,503	-108	-0.2%
4.9%	48,747	48,375	-372	-0.8%
6.2%	44,664	44,412	-252	-0.6%
7.4%	43,080	42,964	-116	-0.3%
8.6%	42,723	42,615	-108	-0.3%
9.9%	41,705	41,709	4	0.0%
11.1%	40,915	40,984	69	0.2%
12.3%	38,953	40,872	1,919	4.9%
13.6%	38,441	38,749	308	0.8%
14.8%	38,212	38,333	121	0.3%
16.0%	31,737	32,715	977	3.1%
17.3%	31,247	31,741	494	1.6%
18.5%	28,233	28,230	-3	0.0%
19.8%	27,921	26,666	-1,255	-4.5%
21.0%	27,469	26,613	-856	-3.1%
22.2%	26,047	25,302	-745	-2.9%
23.5%	25,550	23,422	-2,127	-8.3%
24.7%	23,997	22,592	-1,405	-5.9%
25.9%	22,916	22,006	-910	-4.0%
27.2%	20,355	20,371	16	0.1%
28.4%	18,655	18,716	61	0.3%
29.6%	18,237	18,167	-70	-0.4%
30.9%	18,092	17,329	-763	-4.2%
32.1%	17,722	17,087	-635	-3.6%
33.3%	17,328	16,523	-805	-4.6%
34.6%	16,417	16,420	3	0.0%
35.8%	16,312	15,627	-685	-4.2%
37.0%	15,727	15,587	-140	-0.9%
38.3%	15,101	15,463	362	2.4%
39.5%	14,992	14,846	-146	-1.0%
40.7%	14,743	14,743	0	0.0%
42.0%	14,340	14,342	2	0.0%
43.2%	14,171	14,173	2	0.0%
44.4%	13,843	13,951	107	0.8%
45.7%	13,609	13,853	244	1.8%
46.9%	13,551	13,735	184	1.4%
48.1%	13,538	13,618	80	0.6%
49.4%	13,537	13,437	-100	-0.7%
50.6%	13,433	13,040	-392	-2.9%
51.9%	12,438	12,550	112	0.9%
53.1%	12,162	12,160	-2	0.0%
54.3%	12,053	12,099	46	0.4%
55.6%	12,046	12,074	28	0.2%
56.8%	11,988	12,007	20	0.2%
58.0%	11,932	11,938	6	0.1%
59.3%	11,731	11,778	47	0.4%
60.5%	11,699	11,738	39	0.3%
61.7%	11,064	11,702	638	5.8%
63.0%	11,039	11,566	528	4.8%
64.2%	10,978	11,223	245	2.2%
65.4%	10,847	10,764	-82	-0.8%
66.7%	10,775	10,754	-21	-0.2%
67.9%	10,616	10,745	129	1.2%
69.1%	10,605	10,727	122	1.1%
70.4%	10,585	10,617	32	0.3%
71.6%	10,575	10,598	23	0.2%
72.8%	10,545	10,573	28	0.3%
74.1%	10,539	10,544	4	0.0%
75.3%	10,247	10,493	246	2.4%
76.5%	10,042	10,248	205	2.0%
77.8%	10,014	10,019	5	0.1%
79.0%	9,909	9,923	14	0.1%
80.2%	9,720	9,832	112	1.2%
81.5%	9,456	9,692	236	2.5%
82.7%	9,437	9,546	109	1.2%
84.0%	9,159	9,455	296	3.2%
85.2%	9,081	9,398	317	3.5%
86.4%	9,073	9,077	4	0.0%
87.7%	8,895	8,982	87	1.0%
88.9%	8,850	8,522	-329	-3.7%
90.1%	8,649	8,501	-149	-1.7%
91.4%	8,150	8,303	153	1.9%
92.6%	7,865	8,150	285	3.6%
93.8%	7,569	7,951	382	5.0%
95.1%	6,982	7,143	161	2.3%
96.3%	6,854	6,869	14	0.2%
97.5%	6,658	6,674	16	0.2%
98.8%	6,588	6,311	-277	-4.2%
100.0%	5,458	5,488	30	0.5%

Table SW-30-9b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	61,036	60,894	-142	-0.2%
1.2%	50,918	51,350	433	0.9%
2.5%	37,741	38,738	997	2.6%
3.7%	37,471	38,511	1,040	2.8%
4.9%	35,750	38,198	2,448	6.8%
6.2%	34,962	35,430	468	1.3%
7.4%	34,150	34,624	474	1.4%
8.6%	29,402	30,503	1,102	3.7%
9.9%	25,914	25,714	-199	-0.8%
11.1%	24,469	25,227	758	3.1%
12.3%	24,357	23,980	-377	-1.5%
13.6%	23,671	22,500	-1,171	-4.9%
14.8%	22,031	22,261	230	1.0%
16.0%	20,775	21,737	962	4.6%
17.3%	20,496	21,486	991	4.8%
18.5%	20,432	20,831	399	2.0%
19.8%	20,174	20,158	-16	-0.1%
21.0%	19,096	19,426	330	1.7%
22.2%	18,057	18,524	467	2.6%
23.5%	16,492	17,049	557	3.4%
24.7%	16,080	16,577	496	3.1%
25.9%	15,574	16,075	501	3.2%
27.2%	15,564	16,059	495	3.2%
28.4%	15,304	16,009	705	4.6%
29.6%	15,229	15,650	420	2.8%
30.9%	14,821	15,327	506	3.4%
32.1%	14,790	15,240	450	3.0%
33.3%	14,530	15,206	676	4.7%
34.6%	14,510	15,079	570	3.9%
35.8%	14,501	15,063	562	3.9%
37.0%	14,350	14,934	584	4.1%
38.3%	14,309	14,817	508	3.6%
39.5%	14,299	14,752	452	3.2%
40.7%	14,295	14,239	-56	-0.4%
42.0%	13,800	13,999	199	1.4%
43.2%	13,525	13,835	311	2.3%
44.4%	13,506	13,786	280	2.1%
45.7%	13,428	13,781	354	2.6%
46.9%	13,363	13,760	397	3.0%
48.1%	13,310	13,643	333	2.5%
49.4%	13,286	13,545	259	1.9%
50.6%	13,133	13,491	357	2.7%
51.9%	13,064	13,482	418	3.2%
53.1%	12,975	13,397	422	3.3%
54.3%	12,727	13,318	591	4.6%
55.6%	12,718	13,253	535	4.2%
56.8%	12,683	13,241	558	4.4%
58.0%	12,674	13,059	385	3.0%
59.3%	12,600	13,004	404	3.2%
60.5%	12,473	12,990	517	4.1%
61.7%	12,458	12,978	520	4.2%
63.0%	12,422	12,816	394	3.2%
64.2%	12,422	12,727	305	2.5%
65.4%	12,411	12,630	220	1.8%
66.7%	12,326	12,560	234	1.9%
67.9%	12,255	12,515	260	2.1%
69.1%	12,223	12,439	216	1.8%
70.4%	12,063	12,397	333	2.8%
71.6%	12,055	12,291	236	2.0%
72.8%	12,012	12,239	226	1.9%
74.1%	11,969	12,226	258	2.2%
75.3%	11,809	12,196	387	3.3%
76.5%	11,768	12,133	365	3.1%
77.8%	11,707	11,949	242	2.1%
79.0%	11,670	11,948	278	2.4%
80.2%	11,281	11,741	460	4.1%
81.5%	11,277	11,606	330	2.9%
82.7%	11,253	11,562	309	2.7%
84.0%	11,028	11,366	338	3.1%
85.2%	10,959	11,282	322	2.9%
86.4%	10,829	11,199	370	3.4%
87.7%	10,773	11,180	407	3.8%
88.9%	10,708	10,786	78	0.7%
90.1%	10,501	10,765	264	2.5%
91.4%	10,302	10,250	-52	-0.5%
92.6%	9,508	9,507	-1	0.0%
93.8%	9,194	9,193	0	0.0%
95.1%	9,170	9,129	-41	-0.5%
96.3%	9,086	9,108	23	0.3%
97.5%	8,484	8,909	425	5.0%
98.8%	8,372	8,372	0	0.0%
100.0%	8,321	8,288	-33	-0.4%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,756	26,229	1,473	6.0%
1.2%	24,741	26,046	1,305	5.3%
2.5%	24,631	25,940	1,308	5.3%
3.7%	24,568	25,838	1,271	5.2%
4.9%	24,314	25,793	1,479	6.1%
6.2%	24,306	25,705	1,399	5.8%
7.4%	24,265	25,362	1,096	4.5%
8.6%	23,778	25,323	1,545	6.5%
9.9%	23,768	24,908	1,141	4.8%
11.1%	23,696	24,898	1,202	5.1%
12.3%	23,693	24,770	1,077	4.5%
13.6%	23,593	24,602	1,009	4.3%
14.8%	23,591	24,595	1,005	4.3%
16.0%	23,560	24,490	930	3.9%
17.3%	23,347	24,306	959	4.1%
18.5%	23,328	24,267	939	4.0%
19.8%	22,977	24,054	1,076	4.7%
21.0%	22,663	24,023	1,360	6.0%
22.2%	22,570	23,530	960	4.3%
23.5%	22,387	23,518	1,131	5.1%
24.7%	22,360	23,390	1,031	4.6%
25.9%	22,219	23,369	1,150	5.2%
27.2%	22,141	23,161	1,019	4.6%
28.4%	22,018	22,507	488	2.2%
29.6%	21,673	22,455	782	3.6%
30.9%	21,469	22,408	939	4.4%
32.1%	21,409	22,399	990	4.6%
33.3%	21,083	22,281	1,197	5.7%
34.6%	21,002	22,232	1,230	5.9%
35.8%	20,650	22,130	1,480	7.2%
37.0%	20,622	21,747	1,125	5.5%
38.3%	20,618	21,736	1,118	5.4%
39.5%	20,562	21,561	999	4.9%
40.7%	20,118	21,317	1,199	6.0%
42.0%	20,025	21,121	1,096	5.5%
43.2%	19,989	20,952	963	4.8%
44.4%	19,972	20,947	975	4.9%
45.7%	19,926	20,908	982	4.9%
46.9%	19,872	20,874	1,002	5.0%
48.1%	19,816	20,772	955	4.8%
49.4%	19,816	20,735	919	4.6%
50.6%	19,770	20,719	949	4.8%
51.9%	19,750	20,659	909	4.6%
53.1%	19,702	20,641	939	4.8%
54.3%	19,661	20,584	923	4.7%
55.6%	19,640	20,560	920	4.7%
56.8%	19,627	20,559	933	4.8%
58.0%	19,584	20,456	872	4.5%
59.3%	19,458	20,146	688	3.5%
60.5%	19,327	19,897	571	3.0%
61.7%	19,286	19,827	541	2.8%
63.0%	18,822	19,740	918	4.9%
64.2%	18,716	19,672	956	5.1%
65.4%	18,530	19,462	932	5.0%
66.7%	18,518	19,432	914	4.9%
67.9%	18,401	19,422	1,021	5.5%
69.1%	18,334	18,827	493	2.7%
70.4%	18,242	18,738	497	2.7%
71.6%	17,669	18,673	1,004	5.7%
72.8%	17,453	18,183	730	4.2%
74.1%	17,239	18,182	943	5.5%
75.3%	17,183	17,886	703	4.1%
76.5%	17,172	17,501	329	1.9%
77.8%	17,064	17,313	248	1.5%
79.0%	17,051	17,175	124	0.7%
80.2%	16,499	17,064	565	3.4%
81.5%	16,091	16,598	507	3.2%
82.7%	15,817	16,326	509	3.2%
84.0%	15,686	15,909	223	1.4%
85.2%	15,332	15,768	436	2.8%
86.4%	14,880	15,471	591	4.0%
87.7%	14,851	15,339	488	3.3%
88.9%	14,410	15,302	892	6.2%
90.1%	14,157	15,013	856	6.0%
91.4%	13,786	14,879	1,093	7.9%
92.6%	13,770	13,786	16	0.1%
93.8%	13,581	13,319	-262	-1.9%
95.1%	12,713	13,292	579	4.6%
96.3%	12,650	12,884	234	1.8%
97.5%	11,020	12,459	1,439	13.1%
98.8%	8,850	11,760	2,910	32.9%
100.0%	8,127	10,912	2,786	34.3%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,624	21,725	2,102	10.7%
1.2%	19,564	20,339	775	4.0%
2.5%	19,420	19,703	284	1.5%
3.7%	18,899	19,177	278	1.5%
4.9%	18,293	19,031	738	4.0%
6.2%	18,225	19,022	797	4.4%
7.4%	18,080	18,995	915	5.1%
8.6%	18,024	18,904	879	4.9%
9.9%	17,917	18,800	883	4.9%
11.1%	17,796	18,628	832	4.7%
12.3%	17,626	18,575	949	5.4%
13.6%	17,616	18,413	797	4.5%
14.8%	17,413	18,357	943	5.4%
16.0%	17,347	18,042	695	4.0%
17.3%	17,156	17,952	796	4.6%
18.5%	17,115	17,950	835	4.9%
19.8%	17,065	17,948	882	5.2%
21.0%	17,057	17,859	801	4.7%
22.2%	16,973	17,849	876	5.2%
23.5%	16,962	17,697	735	4.3%
24.7%	16,958	17,653	696	4.1%
25.9%	16,957	17,614	657	3.9%
27.2%	16,914	17,610	696	4.1%
28.4%	16,887	17,578	691	4.1%
29.6%	16,867	17,360	493	2.9%
30.9%	16,844	17,247	404	2.4%
32.1%	16,762	17,174	412	2.5%
33.3%	16,722	17,148	426	2.5%
34.6%	16,713	16,897	184	1.1%
35.8%	16,671	16,845	174	1.0%
37.0%	16,620	16,768	148	0.9%
38.3%	16,601	16,697	96	0.6%
39.5%	16,526	16,684	158	1.0%
40.7%	16,489	16,677	188	1.1%
42.0%	16,457	16,591	134	0.8%
43.2%	16,264	16,518	254	1.6%
44.4%	16,210	16,502	292	1.8%
45.7%	16,157	16,472	315	1.9%
46.9%	16,112	16,440	328	2.0%
48.1%	15,878	16,426	548	3.4%
49.4%	15,827	16,382	555	3.5%
50.6%	15,808	16,319	510	3.2%
51.9%	15,777	16,278	501	3.2%
53.1%	15,759	16,114	356	2.3%
54.3%	15,755	16,089	334	2.1%
55.6%	15,594	15,973	379	2.4%
56.8%	15,550	15,832	282	1.8%
58.0%	15,529	15,805	276	1.8%
59.3%	15,345	15,592	247	1.6%
60.5%	15,334	15,546	212	1.4%
61.7%	15,306	15,514	208	1.4%
63.0%	15,295	15,512	217	1.4%
64.2%	15,138	15,342	205	1.4%
65.4%	15,085	15,335	250	1.7%
66.7%	15,073	15,137	65	0.4%
67.9%	14,988	15,102	114	0.8%
69.1%	14,806	15,082	275	1.9%
70.4%	14,766	14,805	38	0.3%
71.6%	14,743	14,759	16	0.1%
72.8%	14,706	14,669	-37	-0.3%
74.1%	14,692	14,584	-108	-0.7%
75.3%	14,277	14,537	260	1.8%
76.5%	14,231	14,327	95	0.7%
77.8%	14,080	14,282	202	1.4%
79.0%	13,455	14,076	622	4.6%
80.2%	13,108	14,002	894	6.8%
81.5%	13,005	13,731	726	5.6%
82.7%	12,665	13,611	945	7.5%
84.0%	12,557	13,594	1,037	8.3%
85.2%	12,183	13,378	1,196	9.8%
86.4%	10,545	13,202	2,657	25.2%
87.7%	10,131	12,701	2,571	25.4%
88.9%	9,359	12,659	3,299	35.3%
90.1%	9,130	12,611	3,482	38.1%
91.4%	8,791	11,947	3,156	35.9%
92.6%	8,663	11,838	3,175	36.7%
93.8%	8,325	9,829	1,504	18.1%
95.1%	7,540	9,429	1,888	25.0%
96.3%	7,390	8,970	1,580	21.4%
97.5%	7,227	7,876	649	9.0%
98.8%	7,050	7,297	247	3.5%
100.0%	7,023	7,248	226	3.2%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,274	31,273	-1	0.0%
1.2%	30,335	30,941	606	2.0%
2.5%	30,232	30,537	305	1.0%
3.7%	30,018	30,273	255	0.8%
4.9%	29,920	30,092	172	0.6%
6.2%	29,705	30,081	376	1.3%
7.4%	29,679	29,934	255	0.9%
8.6%	29,371	29,858	487	1.7%
9.9%	29,332	29,773	441	1.5%
11.1%	29,301	29,740	440	1.5%
12.3%	29,181	29,711	530	1.8%
13.6%	29,146	29,439	293	1.0%
14.8%	28,956	29,386	430	1.5%
16.0%	28,776	29,241	465	1.6%
17.3%	28,167	29,138	972	3.4%
18.5%	27,727	28,828	1,101	4.0%
19.8%	26,946	28,780	1,834	6.8%
21.0%	26,123	28,716	2,593	9.9%
22.2%	26,107	28,298	2,191	8.4%
23.5%	26,085	28,167	2,081	8.0%
24.7%	25,560	28,161	2,601	10.2%
25.9%	24,068	26,102	2,034	8.4%
27.2%	24,004	23,811	-192	-0.8%
28.4%	23,642	23,664	22	0.1%
29.6%	23,382	23,477	95	0.4%
30.9%	22,721	23,246	524	2.3%
32.1%	22,304	22,630	325	1.5%
33.3%	22,131	22,392	261	1.2%
34.6%	22,029	22,148	119	0.5%
35.8%	21,308	21,866	558	2.6%
37.0%	20,917	21,620	704	3.4%
38.3%	20,758	21,311	553	2.7%
39.5%	20,598	21,026	428	2.1%
40.7%	20,046	20,548	501	2.5%
42.0%	19,894	20,489	595	3.0%
43.2%	19,539	20,106	566	2.9%
44.4%	16,781	19,865	3,084	18.4%
45.7%	16,505	19,223	2,718	16.5%
46.9%	14,362	15,106	745	5.2%
48.1%	13,726	14,500	775	5.6%
49.4%	13,628	14,296	668	4.9%
50.6%	13,436	13,972	536	4.0%
51.9%	13,271	13,892	621	4.7%
53.1%	12,940	13,839	899	6.9%
54.3%	12,616	13,689	1,073	8.5%
55.6%	12,491	13,596	1,104	8.8%
56.8%	12,486	13,468	982	7.9%
58.0%	12,466	13,423	957	7.7%
59.3%	12,425	13,305	880	7.1%
60.5%	12,393	13,197	804	6.5%
61.7%	12,339	13,178	839	6.8%
63.0%	12,069	13,086	1,016	8.4%
64.2%	12,028	12,909	880	7.3%
65.4%	11,929	12,585	656	5.5%
66.7%	11,790	12,467	677	5.7%
67.9%	11,788	12,444	655	5.6%
69.1%	11,626	12,420	793	6.8%
70.4%	11,468	12,404	936	8.2%
71.6%	11,441	12,250	810	7.1%
72.8%	11,325	12,150	825	7.3%
74.1%	11,173	12,104	931	8.3%
75.3%	11,070	12,072	1,002	9.1%
76.5%	11,002	12,010	1,008	9.2%
77.8%	10,770	11,827	1,057	9.8%
79.0%	10,664	11,633	969	9.1%
80.2%	10,648	11,508	860	8.1%
81.5%	10,273	11,462	1,189	11.6%
82.7%	10,273	11,444	1,171	11.4%
84.0%	9,665	11,273	1,607	16.6%
85.2%	9,115	11,174	2,059	22.6%
86.4%	8,370	11,115	2,744	32.8%
87.7%	7,802	10,787	2,985	38.3%
88.9%	7,701	9,392	1,691	22.0%
90.1%	7,674	8,350	675	8.8%
91.4%	7,572	8,270	698	9.2%
92.6%	7,565	7,697	133	1.8%
93.8%	7,535	7,641	106	1.4%
95.1%	7,489	7,551	62	0.8%
96.3%	7,483	7,489	5	0.1%
97.5%	7,370	7,480	111	1.5%
98.8%	7,344	7,370	25	0.3%
100.0%	7,201	7,124	-77	-1.1%

Table SW-31-9a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	100	413	3,334	9,711	12,487	8,325	2,476	265	126	48	100	83
Alternative D	128	377	3,183	9,051	12,047	7,838	2,424	244	124	48	100	99
Difference	29	-36	-151	-659	-440	-487	-52	-21	-2	0	0	16
Percent Difference[3]		-8.7%	-4.5%	-6.8%	-3.5%	-5.8%	-2.1%					
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	86	622	4,191	26,131	31,005	21,378	6,583	631	256	48	143	102
Alternative D	86	565	3,935	24,979	30,347	20,695	6,588	565	250	48	143	153
Difference	0	-57	-257	-1,153	-658	-683	4	-65	-6	0	0	51
Percent Difference			-6.1%	-4.4%	-2.1%	-3.2%	0.1%					
Above Normal (15%)												
No Action Alternative	37	859	1,440	7,385	11,958	8,418	1,424	183	66	48	95	65
Alternative D	37	649	1,509	6,195	10,973	7,278	1,187	183	66	48	95	65
Difference	0	-210	69	-1,191	-985	-1,140	-237	0	0	0	0	0
Percent Difference		-24.4%	4.8%	-16.1%	-8.2%	-13.5%	-16.6%					
Below Normal (17%)												
No Action Alternative	286	278	3,321	1,047	2,780	693	568	67	66	48	114	86
Alternative D	464	251	3,052	718	2,485	463	457	67	66	48	114	86
Difference	179	-27	-269	-329	-295	-230	-112	0	0	0	0	0
Percent Difference	62.6%	-9.6%	-8.1%	-31.5%	-10.6%	-33.2%	-19.6%				0.0%	0.0%
Dry (22%)												
No Action Alternative	46	180	5,387	542	1,722	701	308	77	67	48	61	73
Alternative D	46	254	5,240	377	1,554	531	308	77	67	48	61	74
Difference	0	75	-147	-166	-168	-170	0	0	0	0	0	0
Percent Difference		41.5%	-2.7%	-30.6%	-9.7%	-24.2%	0.0%	0.0%				
Critical (15%)												
No Action Alternative	56	22	303	318	363	292	107	68	64	48	54	70
Alternative D	44	27	296	133	367	109	107	68	64	48	54	70
Difference	-12	5	-7	-185	4	-183	0	0	0	0	0	0
Percent Difference	-21.4%	23.1%	-2.4%	-58.1%	1.1%	-62.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-31-9b
Yolo Bypass, Monthly Flow
Probability of Exceedance

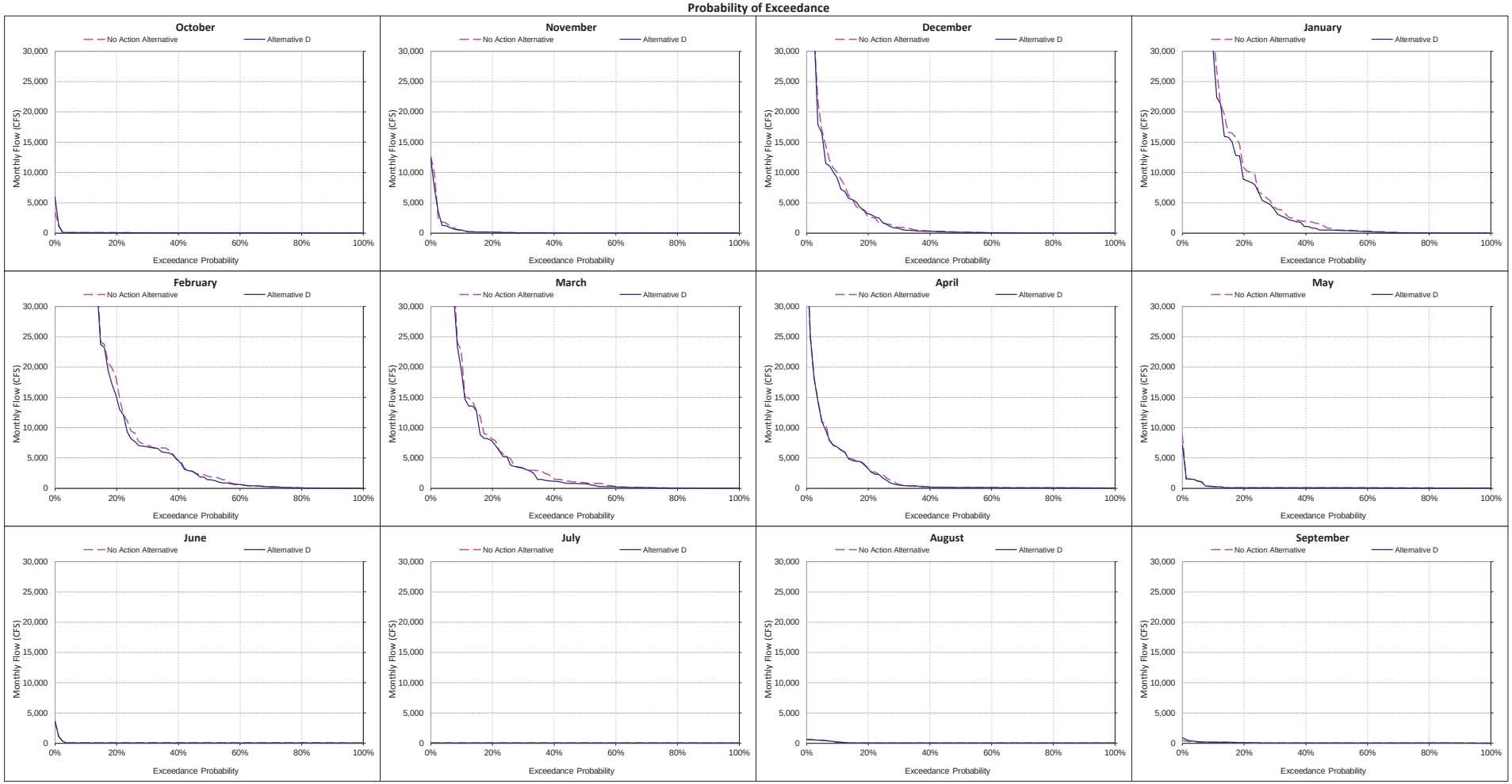

Table SW-31-9b
Yolo Bypass, Monthly Flow
Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,483	5,999	2,516	72.2%
1.2%	1,201	1,201	0	0.0%
2.5%	138	126	-12	-8.6%
3.7%	132	93	-39	-29.4%
4.9%	100	76	-24	-23.8%
6.2%	93	75	-18	-19.3%
7.4%	76	64	-12	-15.6%
8.6%	75	63	-12	-15.8%
9.9%	64	63	-1	-1.4%
11.1%	63	63	0	-0.1%
12.3%	63	63	0	0.0%
13.6%	63	63	0	0.0%
14.8%	63	63	0	-0.7%
16.0%	63	63	0	-0.7%
17.3%	63	63	0	-0.3%
18.5%	63	62	-1	-1.8%
19.8%	63	62	-1	-1.8%
21.0%	62	61	0	-0.7%
22.2%	62	61	0	-0.7%
23.5%	61	61	0	-0.4%
24.7%	61	61	0	-0.7%
25.9%	61	60	-1	-1.1%
27.2%	61	60	-1	-1.1%
28.4%	60	59	-1	-1.8%
29.6%	60	58	-2	-3.7%
30.9%	59	58	-2	-3.0%
32.1%	58	56	-2	-2.7%
33.3%	58	54	-3	-5.5%
34.6%	56	54	-2	-3.5%
35.8%	54	54	0	-0.7%
37.0%	54	54	0	-0.8%
38.3%	54	53	-1	-1.2%
39.5%	54	53	-1	-1.2%
40.7%	53	53	0	-0.8%
42.0%	53	53	0	-0.8%
43.2%	53	52	0	-0.7%
44.4%	52	52	0	-0.6%
45.7%	52	50	-2	-3.0%
46.9%	50	49	-2	-3.3%
48.1%	49	46	-3	-5.7%
49.4%	46	45	0	-0.9%
50.6%	45	45	-1	-1.4%
51.9%	45	45	0	-0.5%
53.1%	45	44	-1	-1.4%
54.3%	44	43	0	-1.1%
55.6%	43	43	0	-0.5%
56.8%	43	42	-1	-2.0%
58.0%	42	42	0	-0.3%
59.3%	42	40	-2	-5.5%
60.5%	40	39	0	-1.0%
61.7%	39	38	-1	-3.4%
63.0%	38	38	0	0.0%
64.2%	38	37	-1	-2.4%
65.4%	37	37	-1	-1.8%
66.7%	37	36	0	-1.2%
67.9%	36	35	-1	-2.6%
69.1%	30	30	0	0.0%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.0%
72.8%	26	26	0	0.0%
74.1%	24	24	0	0.0%
75.3%	22	22	0	0.0%
76.5%	20	20	0	0.0%
77.8%	19	19	0	0.0%
79.0%	18	18	0	0.0%
80.2%	17	17	0	0.0%
81.5%	16	16	0	0.0%
82.7%	15	15	0	0.0%
84.0%	14	14	0	0.0%
85.2%	12	12	0	0.0%
86.4%	12	12	0	0.0%
87.7%	11	11	0	0.0%
88.9%	9	9	0	0.0%
90.1%	6	6	0	0.0%
91.4%	5	5	0	
92.6%	3	3	0	
93.8%	3	3	0	
95.1%	3	3	0	
96.3%	2	2	0	
97.5%	1	1	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,700	12,405	-295	-2.3%
1.2%	9,819	7,302	-2,517	-25.6%
2.5%	2,057	3,483	1,426	69.3%
3.7%	1,840	1,254	-587	-31.9%
4.9%	1,666	1,209	-458	-27.5%
6.2%	1,168	933	-235	-20.1%
7.4%	933	655	-277	-29.7%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	51	-14	-21.9%
28.4%	51	50	-1	-1.6%
29.6%	50	49	-1	-2.4%
30.9%	49	37	-12	-24.9%
32.1%	37	36	-1	-1.8%
33.3%	36	36	0	0.0%
34.6%	35	35	0	0.0%
35.8%	35	35	0	0.0%
37.0%	25	25	0	0.0%
38.3%	20	24	4	
39.5%	12	20	8	
40.7%	10	12	2	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	10	0	
48.1%	9	9	1	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	9	0	
53.1%	7	8	1	
54.3%	7	8	1	
55.6%	7	7	1	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	5	7	1	
60.5%	5	6	1	
61.7%	5	6	1	
63.0%	5	5	0	
64.2%	4	5	0	
65.4%	3	5	2	
66.7%	2	5	3	
67.9%	1	3	2	
69.1%	0	2	1	
70.4%	0	1	1	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,534	55,672	138	0.2%
1.2%	33,854	34,202	349	1.0%
2.5%	32,587	33,646	1,058	3.2%
3.7%	21,703	17,915	-3,788	-17.5%
4.9%	17,072	16,457	-615	-3.6%
6.2%	14,512	11,487	-3,025	-20.8%
7.4%	12,098	11,079	-1,018	-8.4%
8.6%	10,736	10,037	-699	-6.5%
9.9%	10,097	9,088	-1,009	-10.0%
11.1%	8,912	7,211	-1,702	-19.1%
12.3%	7,896	6,852	-1,044	-13.2%
13.6%	6,264	5,730	-535	-8.5%
14.8%	5,603	5,538	-65	-1.2%
16.0%	4,427	5,142	715	16.2%
17.3%	3,872	4,219	347	9.0%
18.5%	3,804	3,827	23	0.6%
19.8%	2,817	3,222	405	14.4%
21.0%	2,614	3,035	421	16.1%
22.2%	2,489	2,635	145	5.8%
23.5%	1,715	2,472	757	44.2%
24.7%	1,711	1,736	25	1.5%
25.9%	1,498	1,426	-72	-4.8%
27.2%	1,426	1,047	-379	-26.6%
28.4%	1,047	828	-220	-21.0%
29.6%	976	800	-176	-18.0%
30.9%	967	605	-362	-37.4%
32.1%	800	470	-330	-41.3%
33.3%	790	442	-347	-44.0%
34.6%	605	411	-194	-32.0%
35.8%	470	350	-120	-25.6%
37.0%	442	330	-112	-25.4%
38.3%	411	294	-117	-28.5%
39.5%	350	285	-65	-18.6%
40.7%	330	280	-50	-15.3%
42.0%	294	265	-29	-9.9%
43.2%	281	195	-86	-30.7%
44.4%	280	192	-88	-31.4%
45.7%	265	158	-107	-40.5%
46.9%	195	158	-37	-19.2%
48.1%	192	138	-54	-28.0%
49.4%	178	135	-43	-24.3%
50.6%	158	122	-36	
51.9%	138	107	-31	
53.1%	135	102	-33	
54.3%	122	93	-29	
55.6%	107	91	-16	
56.8%	93	81	-11	
58.0%	81	63	-18	
59.3%	63	57	-7	
60.5%	57	55	-2	
61.7%	55	42	-13	
63.0%	42	42	0	
64.2%	42	41	-2	
65.4%	41	37	-3	
66.7%	37	23	-15	
67.9%	23	20	-3	
69.1%	20	13	-7	
70.4%	13	10	-3	
71.6%	10	5	-5	
72.8%	5	1	-4	
74.1%	1	1	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	132,314	127,610	-4,704	-3.6%
1.2%	113,962	112,397	-1,565	-1.4%
2.5%	68,026	64,323	-3,703	-5.4%
3.7%	56,479	56,517	38	0.1%
4.9%	44,787	41,361	-3,426	-7.7%
6.2%	38,831	40,239	1,409	3.6%
7.4%	35,544	34,320	-1,223	-3.4%
8.6%	33,626	31,667	-1,959	-5.8%
9.9%	33,533	30,681	-2,851	-8.5%
11.1%	27,199	22,427	-4,771	-17.5%
12.3%	21,343	21,344	1	0.0%
13.6%	19,652	15,967	-3,685	-18.7%
14.8%	16,637	15,847	-790	-4.7%
16.0%	16,541	15,108	-1,433	-8.7%
17.3%	15,813	12,801	-3,012	-19.0%
18.5%	14,737	12,753	-1,984	-13.5%
19.8%	10,898	8,864	-2,034	-18.7%
21.0%	10,224	8,621	-1,603	-15.7%
22.2%	10,057	8,368	-1,689	-16.8%
23.5%	9,767	7,981	-1,785	-18.3%
24.7%	6,690	6,711	21	0.3%
25.9%	6,499	5,349	-1,149	-17.7%
27.2%	5,874	5,080	-794	-13.5%
28.4%	5,341	4,714	-627	-11.7%
29.6%	4,307	4,015	-292	-6.8%
30.9%	3,894	3,081	-813	-20.9%
32.1%	3,841	2,794	-1,046	-27.2%
33.3%	3,202	2,547	-655	-20.5%
34.6%	2,539	2,167	-372	-14.6%
35.8%	2,455	2,041	-414	-16.9%
37.0%	2,143	1,845	-298	-13.9%
38.3%	2,025	1,805	-220	-10.9%
39.5%	1,973	1,088	-885	-44.8%
40.7%	1,844	1,085	-759	-41.2%
42.0%	1,822	859	-963	-52.8%
43.2%	1,619	792	-827	-51.1%
44.4%	1,531	517	-1,014	-66.2%
45.7%	1,196	493	-703	-58.8%
46.9%	849	490	-360	-42.4%
48.1%	792	480	-312	-39.4%
49.4%	517	475	-43	-8.2%
50.6%	490	452	-37	-7.6%
51.9%	480	444	-36	
53.1%	447	397	-50	
54.3%	444	371	-73	
55.6%	397	342	-55	
56.8%	371	327	-45	
58.0%	342	281	-60	
59.3%	327	241	-86	
60.5%	326	232	-95	
61.7%	232	218	-14	
63.0%	218	188	-30	
64.2%	214	187	-27	
65.4%	188	132	-56	
66.7%	132	128	-3	
67.9%	128	102	-26	
69.1%	121	63	-57	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	59	59	0	
74.1%	50	50	0	
75.3%	40	40	0	
76.5%	37	40	2	
77.8%	37	37	0	
79.0%	31	31	0	
80.2%	28	26	-2	
81.5%	26	26	0	
82.7%	26	21	-5	
84.0%	21	21	-1	
85.2%	21	7	-14	
86.4%	7	0	-7	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-9b
Yolo Bypass, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	124,217	125,096	879	0.7%
1.2%	111,977	113,610	1,634	1.5%
2.5%	78,828	77,275	-1,553	-2.0%
3.7%	66,577	66,591	14	0.0%
4.9%	65,305	65,333	28	0.0%
6.2%	49,718	49,699	-19	0.0%
7.4%	45,689	44,897	-792	-1.7%
8.6%	44,758	41,831	-2,927	-6.5%
9.9%	44,641	41,354	-3,287	-7.4%
11.1%	41,339	40,874	-466	-1.1%
12.3%	40,903	37,245	-3,659	-8.9%
13.6%	36,410	33,683	-2,727	-7.5%
14.8%	24,165	23,739	-426	-1.8%
16.0%	23,731	23,206	-525	-2.2%
17.3%	20,629	19,330	-1,299	-6.3%
18.5%	19,815	17,113	-2,702	-13.6%
19.8%	18,422	15,394	-3,027	-16.4%
21.0%	14,808	13,000	-1,808	-12.2%
22.2%	12,092	12,106	14	0.1%
23.5%	11,163	9,289	-1,875	-16.8%
24.7%	9,422	8,149	-1,273	-13.5%
25.9%	9,126	7,694	-1,433	-15.7%
27.2%	7,655	7,028	-627	-8.2%
28.4%	7,376	6,950	-426	-5.8%
29.6%	7,210	6,872	-339	-4.7%
30.9%	6,945	6,753	-193	-2.8%
32.1%	6,672	6,656	-16	-0.2%
33.3%	6,654	6,567	-87	-1.3%
34.6%	6,651	6,020	-631	-9.5%
35.8%	6,648	5,886	-762	-11.5%
37.0%	6,292	5,825	-466	-7.4%
38.3%	5,608	5,489	-119	-2.1%
39.5%	4,759	4,765	5	0.1%
40.7%	4,631	4,207	-425	-9.2%
42.0%	3,322	3,148	-174	-5.2%
43.2%	2,887	2,894	8	0.3%
44.4%	2,823	2,828	5	0.2%
45.7%	2,410	2,418	8	0.3%
46.9%	2,361	1,890	-471	-20.0%
48.1%	2,309	1,827	-483	-20.9%
49.4%	1,999	1,406	-593	-29.7%
50.6%	1,882	1,365	-517	-27.5%
51.9%	1,819	1,277	-542	-29.8%
53.1%	1,720	991	-729	-42.4%
54.3%	1,406	882	-524	-37.3%
55.6%	1,365	879	-486	-35.6%
56.8%	879	744	-135	-15.4%
58.0%	744	629	-114	-15.4%
59.3%	629	625	-4	-0.7%
60.5%	596	596	0	
61.7%	468	468	0	
63.0%	425	425	0	
64.2%	389	389	0	
65.4%	389	389	0	
66.7%	355	355	0	
67.9%	303	303	0	
69.1%	229	243	14	
70.4%	227	229	2	
71.6%	219	219	0	
72.8%	193	193	0	
74.1%	137	137	0	
75.3%	112	112	0	
76.5%	110	110	0	
77.8%	85	85	0	
79.0%	81	81	0	
80.2%	52	52	0	
81.5%	41	50	9	
82.7%	26	26	0	
84.0%	26	26	0	
85.2%	22	24	2	
86.4%	19	19	0	
87.7%	3	2	-1	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	118,509	118,526	16	0.0%
1.2%	114,483	109,150	-5,333	-4.7%
2.5%	65,783	64,746	-1,037	-1.6%
3.7%	46,880	44,042	-2,838	-6.1%
4.9%	42,175	42,169	-7	0.0%
6.2%	38,596	36,070	-2,526	-6.5%
7.4%	36,054	32,291	-3,764	-10.4%
8.6%	24,075	23,409	-666	-2.8%
9.9%	22,765	19,644	-3,121	-13.7%
11.1%	15,093	14,721	-371	-2.5%
12.3%	14,868	13,551	-1,317	-8.9%
13.6%	14,318	13,550	-768	-5.4%
14.8%	12,842	12,836	-6	0.0%
16.0%	11,819	8,845	-2,975	-25.2%
17.3%	9,049	8,268	-781	-8.6%
18.5%	8,849	8,184	-665	-7.5%
19.8%	8,178	7,871	-307	-3.8%
21.0%	7,854	7,072	-781	-9.9%
22.2%	6,211	6,214	3	0.0%
23.5%	5,699	5,232	-466	-8.2%
24.7%	5,223	5,227	4	0.1%
25.9%	4,862	3,823	-1,040	-21.4%
27.2%	3,623	3,623	0	0.0%
28.4%	3,431	3,502	71	2.1%
29.6%	3,350	3,388	39	1.2%
30.9%	3,128	3,087	-41	-1.3%
32.1%	2,984	2,837	-146	-4.9%
33.3%	2,975	2,485	-490	-16.5%
34.6%	2,937	1,488	-1,449	-49.3%
35.8%	2,835	1,450	-1,385	-48.8%
37.0%	2,485	1,306	-1,179	-47.4%
38.3%	2,241	1,207	-1,034	-46.1%
39.5%	1,601	1,169	-432	-27.0%
40.7%	1,480	1,153	-328	-22.1%
42.0%	1,446	1,028	-418	-28.9%
43.2%	1,306	868	-438	-33.5%
44.4%	1,169	799	-371	-31.7%
45.7%	1,088	780	-308	-28.3%
46.9%	1,028	778	-250	-24.3%
48.1%	982	775	-207	-21.0%
49.4%	969	738	-230	-23.8%
50.6%	865	696	-169	-19.5%
51.9%	798	549	-249	-31.2%
53.1%	780	475	-305	-39.1%
54.3%	778	313	-466	-59.8%
55.6%	772	306	-466	-60.4%
56.8%	475	268	-207	-43.5%
58.0%	464	257	-207	-44.6%
59.3%	313	244	-69	
60.5%	257	220	-37	
61.7%	244	169	-74	
63.0%	220	150	-70	
64.2%	169	148	-22	
65.4%	150	130	-19	
66.7%	148	119	-29	
67.9%	130	113	-18	
69.1%	119	80	-39	
70.4%	113	77	-36	
71.6%	80	72	-7	
72.8%	77	65	-12	
74.1%	65	62	-4	
75.3%	62	49	-13	
76.5%	50	48	-2	
77.8%	49	47	-2	
79.0%	47	45	-2	
80.2%	45	36	-9	
81.5%	36	30	-6	
82.7%	30	28	-2	
84.0%	28	19	-9	
85.2%	19	13	-6	
86.4%	13	7	-6	
87.7%	7	7	0	
88.9%	7	7	0	
90.1%	7	4	-3	
91.4%	4	2	-1	
92.6%	2	0	-2	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,036	41,047	11	0.0%
1.2%	24,931	25,205	274	1.1%
2.5%	18,192	18,193	1	0.0%
3.7%	14,426	14,427	0	0.0%
4.9%	10,979	10,989	9	0.1%
6.2%	10,730	9,559	-1,171	-10.9%
7.4%	7,898	7,893	-5	-0.1%
8.6%	7,096	7,096	0	0.0%
9.9%	6,839	6,840	1	0.0%
11.1%	6,314	6,311	-3	0.0%
12.3%	5,983	5,993	10	0.2%
13.6%	4,932	4,846	-86	-1.7%
14.8%	4,846	4,556	-290	-6.0%
16.0%	4,555	4,458	-97	-2.1%
17.3%	4,458	4,420	-38	-0.9%
18.5%	4,099	3,932	-167	-4.1%
19.8%	3,336	3,336	0	0.0%
21.0%	2,671	2,654	-17	-0.6%
22.2%	2,662	2,293	-368	-13.8%
23.5%	2,293	2,265	-29	-1.3%
24.7%	2,264	1,697	-567	-25.0%
25.9%	1,697	1,315	-382	-22.5%
27.2%	1,315	899	-415	-31.6%
28.4%	1,095	668	-427	-39.0%
29.6%	668	558	-110	-16.5%
30.9%	558	445	-113	-20.2%
32.1%	445	418	-27	-6.1%
33.3%	418	388	-30	-7.1%
34.6%	388	385	-4	-0.9%
35.8%	385	383	-2	-0.5%
37.0%	383	272	-111	-29.0%
38.3%	250	250	0	0.0%
39.5%	198	198	0	0.0%
40.7%	179	176	-3	-1.4%
42.0%	176	167	-9	-5.3%
43.2%	167	159	-8	-4.7%
44.4%	159	150	-9	-5.6%
45.7%	150	142	-8	-5.3%
46.9%	142	139	-3	-2.2%
48.1%	139	139	0	-0.2%
49.4%	139	131	-8	-5.7%
50.6%	131	120	-11	-8.6%
51.9%	120	119	0	
53.1%	119	119	0	
54.3%	119	116	-3	
55.6%	116	115	-1	
56.8%	115	114	-1	
58.0%	114	112	-2	
59.3%	112	111	-1	
60.5%	111	111	-1	
61.7%	111	109	-2	
63.0%	109	103	-6	
64.2%	103	99	-3	
65.4%	99	95	-4	
66.7%	95	95	-1	
67.9%	95	90	-4	
69.1%	90	87	-3	
70.4%	87	87	0	
71.6%	87	86	-1	
72.8%	86	85	-1	
74.1%	85	85	0	
75.3%	85	82	-3	
76.5%	82	81	0	
77.8%	81	80	-1	
79.0%	80	78	-2	
80.2%	78	76	-2	
81.5%	76	72	-4	
82.7%	72	71	-2	
84.0%	71	65	-5	
85.2%	65	64	-1	
86.4%	64	62	-2	
87.7%	62	58	-5	
88.9%	58	56	-2	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	50	-4	
96.3%	50	49	-1	
97.5%	49	45	-4	
98.8%	45	43	-2	
100.0%	42	42	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,809	7,135	-1,674	-19.0%
1.2%	1,544	1,548	4	0.2%
2.5%	1,506	1,507	1	0.0%
3.7%	1,485	1,486	1	0.1%
4.9%	1,187	1,169	-18	-1.5%
6.2%	1,078	1,075	-4	-0.3%
7.4%	394	394	1	0.2%
8.6%	326	327	1	0.2%
9.9%	278	278	0	0.0%
11.1%	256	248	-8	-3.1%
12.3%	248	248	0	-0.1%
13.6%	82	82	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	0	0.0%
18.5%	78	78	0	0.0%
19.8%	78	78	0	0.0%
21.0%	78	78	0	0.0%
22.2%	77	77	0	0.0%
23.5%	77	77	0	0.0%
24.7%	77	77	0	0.0%
25.9%	76	76	0	0.0%
27.2%	75	75	0	0.0%
28.4%	74	74	0	0.0%
29.6%	73	73	0	0.0%
30.9%	73	73	0	0.0%
32.1%	73	73	0	0.0%
33.3%	72	72	0	0.0%
34.6%	72	72	0	0.0%
35.8%	71	71	0	0.0%
37.0%	71	71	0	0.0%
38.3%	71	71	0	0.0%
39.5%	70	70	0	0.0%
40.7%	70	70	0	0.0%
42.0%	70	70	0	0.0%
43.2%	70	70	0	0.0%
44.4%	69	69	0	0.0%
45.7%	69	69	0	0.0%
46.9%	69	69	0	0.0%
48.1%	68	68	0	0.0%
49.4%	68	68	0	0.0%
50.6%	68	68	0	0.0%
51.9%	68	68	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	66	66	0	0.0%
56.8%	66	66	0	0.0%
58.0%	65	65	0	0.0%
59.3%	65	65	0	0.0%
60.5%	64	64	0	0.0%
61.7%	64	64	0	0.0%
63.0%	64	64	0	0.0%
64.2%	64	64	0	0.0%
65.4%	64	64	0	0.0%
66.7%	63	63	0	0.0%
67.9%	63	63	0	0.0%
69.1%	63	63	0	0.0%
70.4%	63	63	0	0.0%
71.6%	63	63	0	0.0%
72.8%	62	62	0	0.0%
74.1%	62	62	0	0.0%
75.3%	61	61	0	0.0%
76.5%	61	61	0	0.0%
77.8%	60	60	0	0.0%
79.0%	59	59	0	0.0%
80.2%	58	58	0	0.0%
81.5%	58	58	0	0.0%
82.7%	58	58	0	0.0%
84.0%	56	56	0	0.0%
85.2%	55	55	0	0.0%
86.4%	55	55	0	0.0%
87.7%	54	54	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	53	53	0	0.0%
92.6%	52	52	0	0.0%
93.8%	52	52	0	0.0%
95.1%	50	50	0	0.0%
96.3%	47	47	0	0.0%
97.5%	46	46	0	0.0%
98.8%	45	45	0	0.0%
100.0%	40	40	0	0.0%

Table SW-31-9b
Yolo Bypass, Monthly Flow
Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,730	3,583	-146	-3.9%
1.2%	1,081	1,082	0	0.0%
2.5%	349	349	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	48	0	0.0%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	628	0	0.0%
1.2%	610	610	0	0.0%
2.5%	549	549	0	0.0%
3.7%	502	502	0	0.0%
4.9%	486	486	0	0.0%
6.2%	431	431	0	0.0%
7.4%	366	366	0	0.0%
8.6%	302	302	0	0.0%
9.9%	165	169	3	2.0%
11.1%	164	164	0	0.0%
12.3%	126	126	0	0.0%
13.6%	60	60	0	0.0%
14.8%	55	55	0	0.0%
16.0%	55	55	0	0.0%
17.3%	55	55	0	0.0%
18.5%	55	55	0	0.0%
19.8%	55	55	0	0.0%
21.0%	55	55	0	0.0%
22.2%	55	55	0	0.0%
23.5%	55	55	0	0.0%
24.7%	55	55	0	0.0%
25.9%	55	55	0	0.0%
27.2%	55	55	0	0.0%
28.4%	55	55	0	0.0%
29.6%	55	55	0	0.0%
30.9%	55	55	0	0.0%
32.1%	55	55	0	0.0%
33.3%	55	55	0	0.0%
34.6%	55	55	0	0.0%
35.8%	55	55	0	0.0%
37.0%	55	55	0	0.0%
38.3%	55	55	0	0.0%
39.5%	55	55	0	0.0%
40.7%	55	55	0	0.0%
42.0%	55	55	0	0.0%
43.2%	55	55	0	0.0%
44.4%	55	55	0	0.0%
45.7%	55	55	0	0.0%
46.9%	55	55	0	0.0%
48.1%	55	55	0	0.0%
49.4%	55	55	0	0.0%
50.6%	55	55	0	0.0%
51.9%	55	55	0	0.0%
53.1%	55	55	0	0.0%
54.3%	55	55	0	0.0%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.0%
76.5%	55	55	0	0.0%
77.8%	55	55	0	0.0%
79.0%	55	55	0	0.0%
80.2%	55	55	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	54	54	0	0.0%
87.7%	54	54	0	0.0%
88.9%	54	54	0	0.0%
90.1%	54	54	0	0.0%
91.4%	54	54	0	0.0%
92.6%	54	54	0	0.0%
93.8%	54	54	0	0.0%
95.1%	53	53	0	0.0%
96.3%	52	52	0	0.0%
97.5%	50	50	0	0.0%
98.8%	49	49	0	0.0%
100.0%	42	42	0	0.0%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	525	911	387	73.7%
1.2%	351	589	238	67.9%
2.5%	274	366	92	33.7%
3.7%	251	326	75	30.0%
4.9%	192	274	82	42.5%
6.2%	168	251	83	49.2%
7.4%	164	192	28	16.7%
8.6%	164	169	5	3.1%
9.9%	164	167	3	1.6%
11.1%	162	164	3	1.8%
12.3%	161	164	3	2.0%
13.6%	153	164	11	7.2%
14.8%	128	162	33	26.0%
16.0%	96	153	58	60.4%
17.3%	88	128	40	45.3%
18.5%	72	115	44	60.9%
19.8%	64	102	38	58.9%
21.0%	62	96	34	55.1%
22.2%	61	88	27	44.7%
23.5%	60	80	20	33.8%
24.7%	59	72	12	20.7%
25.9%	59	64	5	8.0%
27.2%	59	61	2	2.9%
28.4%	59	60	0	0.8%
29.6%	59	59	0	0.1%
30.9%	59	59	0	0.0%
32.1%	59	59	0	0.0%
33.3%	59	59	0	0.0%
34.6%	59	59	0	0.0%
35.8%	59	59	0	0.0%
37.0%	59	59	0	0.0%
38.3%	59	59	0	0.0%
39.5%	59	59	0	0.0%
40.7%	59	59	0	0.0%
42.0%	59	59	0	0.0%
43.2%	59	59	0	0.0%
44.4%	59	59	0	0.0%
45.7%	59	59	0	0.0%
46.9%	59	59	0	0.0%
48.1%	59	59	0	0.0%
49.4%	59	59	0	0.0%
50.6%	59	59	0	0.0%
51.9%	59	59	0	0.0%
53.1%	59	59	0	0.0%
54.3%	59	59	0	0.0%
55.6%	59	59	0	0.0%
56.8%	59	59	0	0.2%
58.0%	59	59	0	0.2%
59.3%	59	59	0	0.2%
60.5%	59	59	0	0.5%
61.7%	59	59	0	0.4%
63.0%	59	59	0	0.6%
64.2%	59	59	1	1.1%
65.4%	59	59	0	0.7%
66.7%	58	59	1	1.1%
67.9%	58	59	0	0.4%
69.1%	58	58	0	0.0%
70.4%	58	58	0	0.5%
71.6%	58	58	0	0.5%
72.8%	57	58	1	1.3%
74.1%	57	58	1	1.6%
75.3%	57	57	1	1.3%
76.5%	56	57	1	2.0%
77.8%	56	57	1	1.2%
79.0%	55	56	1	0.9%
80.2%	55	56	1	1.4%
81.5%	55	55	1	1.0%
82.7%	55	55	1	1.0%
84.0%	55	55	0	0.6%
85.2%	54	55	1	1.7%
86.4%	53	55	1	2.2%
87.7%	53	54	1	1.5%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	51	51	0	0.0%
93.8%	50	50	0	0.0%
95.1%	49	49	0	0.0%
96.3%	45	45	0	0.0%
97.5%	24	24	0	0.0%
98.8%	23	23	0	0.0%
100.0%	23	23	0	0.0%

Table SW-32-9a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,113	11,761	21,808	36,607	43,748	35,570	21,369	15,233	9,854	10,571	7,897	11,368
Alternative D	6,925	12,505	21,159	35,087	42,426	33,792	21,053	15,165	10,191	11,760	8,406	12,084
Difference	812	744	-649	-1,520	-1,322	-1,778	-316	-68	337	1,189	509	716
Percent Difference[3]	13.3%	6.3%	-3.0%	-4.2%	-3.0%	-5.0%	-1.5%	-0.4%	3.4%	11.2%	6.5%	6.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	8,204	16,661	24,661	69,998	79,890	63,502	38,396	26,691	16,443	10,904	8,560	21,672
Alternative D	10,035	17,363	23,553	68,311	78,638	62,219	38,150	26,525	17,342	12,420	8,634	22,606
Difference	1,831	702	-1,107	-1,687	-1,252	-1,283	-246	-166	898	1,516	74	933
Percent Difference	22.3%	4.2%	-4.5%	-2.4%	-1.6%	-2.0%	-0.6%	-0.6%	5.5%	13.9%	0.9%	4.3%
Above Normal (15%)												
No Action Alternative	6,408	13,579	21,114	40,531	50,459	45,585	22,716	16,694	9,945	12,300	8,916	12,009
Alternative D	7,469	15,256	19,865	37,897	48,366	43,082	21,938	16,584	9,795	15,078	9,021	12,619
Difference	1,061	1,677	-1,249	-2,634	-2,093	-2,503	-778	-110	-150	2,778	105	610
Percent Difference	16.6%	12.3%	-5.9%	-6.5%	-4.1%	-5.5%	-3.4%	-0.7%	-1.5%	22.6%	1.2%	5.1%
Below Normal (17%)												
No Action Alternative	6,600	11,868	25,744	20,280	29,020	19,870	14,420	10,613	6,937	11,865	8,383	6,096
Alternative D	7,139	12,647	25,809	18,249	27,980	17,765	13,949	10,453	7,245	12,519	8,624	6,666
Difference	539	779	64	-2,031	-1,040	-2,105	-471	-160	308	654	241	570
Percent Difference	8.2%	6.6%	0.2%	-10.0%	-3.6%	-10.6%	-3.3%	-1.5%	4.4%	5.5%	2.9%	9.3%
Dry (22%)												
No Action Alternative	4,539	8,480	23,222	14,834	19,424	17,402	10,437	7,952	6,155	10,363	8,376	5,425
Alternative D	4,496	9,082	23,110	13,998	18,028	14,862	10,178	8,017	6,243	10,962	9,427	6,296
Difference	-43	602	-112	-837	-1,396	-2,540	-259	66	87	599	1,051	871
Percent Difference	-0.9%	7.1%	-0.5%	-5.6%	-7.2%	-14.6%	-2.5%	0.8%	1.4%	5.8%	12.6%	16.1%
Critical (15%)												
No Action Alternative	3,080	4,123	9,605	12,044	12,401	10,605	7,638	5,259	4,436	6,921	4,155	3,470
Alternative D	3,038	4,197	8,913	11,572	11,478	10,004	7,725	5,349	4,452	7,322	5,511	3,758
Difference	-42	74	-692	-473	-923	-601	87	90	17	401	1,357	288
Percent Difference	-1.4%	1.8%	-7.2%	-3.9%	-7.4%	-5.7%	1.1%	1.7%	0.4%	5.8%	32.7%	8.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-32-9b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

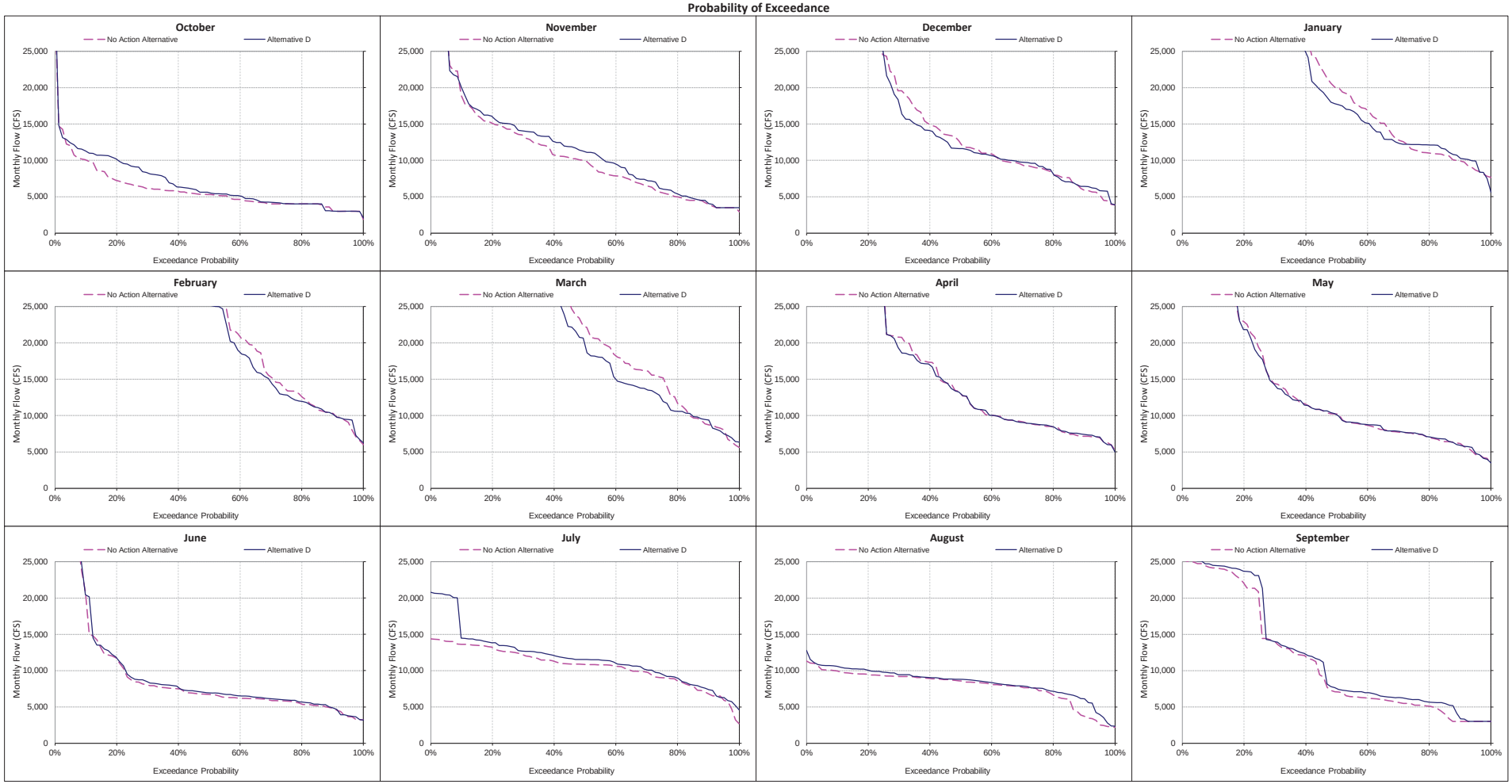

Table SW-32-9b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,384	33,957	2,573	8.2%
1.2%	14,729	14,832	103	0.7%
2.5%	14,289	13,112	-1,177	-8.2%
3.7%	12,252	12,867	615	5.0%
4.9%	12,047	12,432	385	3.2%
6.2%	10,735	12,138	1,404	13.1%
7.4%	10,324	11,622	1,298	12.6%
8.6%	10,206	11,551	1,345	13.2%
9.9%	10,088	11,322	1,234	12.2%
11.1%	9,847	10,994	1,147	11.7%
12.3%	9,730	10,947	1,218	12.5%
13.6%	8,636	10,731	2,096	24.3%
14.8%	8,565	10,706	2,142	25.0%
16.0%	8,431	10,676	2,245	26.6%
17.3%	7,672	10,655	2,983	38.9%
18.5%	7,486	10,435	2,949	39.4%
19.8%	7,268	10,242	2,973	40.9%
21.0%	7,120	9,827	2,708	38.0%
22.2%	6,935	9,581	2,646	38.2%
23.5%	6,821	9,481	2,660	39.0%
24.7%	6,687	9,221	2,533	37.9%
25.9%	6,510	9,095	2,585	39.7%
27.2%	6,455	9,076	2,621	40.6%
28.4%	6,347	8,447	2,100	33.1%
29.6%	6,136	8,346	2,210	36.0%
30.9%	6,126	8,130	2,003	32.7%
32.1%	6,044	8,069	2,025	33.5%
33.3%	6,038	7,992	1,954	32.4%
34.6%	5,997	7,882	1,885	31.4%
35.8%	5,867	7,652	1,785	30.4%
37.0%	5,839	6,924	1,085	18.6%
38.3%	5,817	6,759	941	16.2%
39.5%	5,800	6,369	569	9.8%
40.7%	5,668	6,310	643	11.3%
42.0%	5,649	6,256	607	10.7%
43.2%	5,466	6,190	724	13.2%
44.4%	5,465	6,085	620	11.4%
45.7%	5,404	5,983	579	10.7%
46.9%	5,352	5,632	281	5.2%
48.1%	5,326	5,627	301	5.7%
49.4%	5,320	5,621	301	5.7%
50.6%	5,305	5,494	189	3.6%
51.9%	5,234	5,408	174	3.3%
53.1%	5,179	5,401	222	4.3%
54.3%	5,132	5,379	247	4.8%
55.6%	5,114	5,371	257	5.0%
56.8%	4,754	5,201	448	9.4%
58.0%	4,640	5,172	532	11.5%
59.3%	4,632	5,163	531	11.5%
60.5%	4,616	5,050	434	9.4%
61.7%	4,444	4,762	318	7.2%
63.0%	4,404	4,746	341	7.8%
64.2%	4,310	4,729	419	9.7%
65.4%	4,220	4,542	323	7.7%
66.7%	4,215	4,285	70	1.7%
67.9%	4,194	4,263	70	1.7%
69.1%	4,027	4,256	229	5.7%
70.4%	4,000	4,219	219	5.5%
71.6%	4,000	4,179	179	4.5%
72.8%	4,000	4,153	153	3.8%
74.1%	4,000	4,063	63	1.6%
75.3%	4,000	4,062	62	1.5%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	3,880	4,000	120	3.1%
87.7%	3,611	3,078	-532	-14.7%
88.9%	3,592	3,065	-527	-14.7%
90.1%	3,000	3,000	0	0.0%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	2,992	2,982	-10	-0.3%
100.0%	1,887	2,067	180	9.5%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,173	58,713	-459	-0.8%
1.2%	51,030	47,809	-3,221	-6.3%
2.5%	41,956	41,010	-946	-2.3%
3.7%	31,375	32,544	1,169	3.7%
4.9%	29,068	29,864	796	2.7%
6.2%	23,055	22,348	-707	-3.1%
7.4%	22,290	21,764	-526	-2.4%
8.6%	22,289	21,537	-752	-3.4%
9.9%	18,943	20,127	1,184	6.2%
11.1%	17,757	18,911	1,154	6.5%
12.3%	17,604	17,759	155	0.9%
13.6%	17,064	17,282	218	1.3%
14.8%	16,275	17,067	793	4.9%
16.0%	15,900	16,776	875	5.5%
17.3%	15,411	16,244	833	5.4%
18.5%	15,392	16,239	847	5.5%
19.8%	15,148	16,084	936	6.2%
21.0%	14,892	15,619	727	4.9%
22.2%	14,815	15,231	416	2.8%
23.5%	14,616	15,096	480	3.3%
24.7%	14,300	15,072	772	5.4%
25.9%	14,271	15,001	729	5.1%
27.2%	13,806	14,803	997	7.2%
28.4%	13,593	14,149	557	4.1%
29.6%	13,521	14,075	553	4.1%
30.9%	13,040	13,998	958	7.3%
32.1%	12,861	13,934	1,072	8.3%
33.3%	12,466	13,909	1,442	11.6%
34.6%	12,359	13,433	1,074	8.7%
35.8%	12,097	13,319	1,222	10.1%
37.0%	12,042	13,309	1,266	10.5%
38.3%	11,878	13,283	1,406	11.8%
39.5%	10,828	12,644	1,816	16.8%
40.7%	10,641	12,466	1,825	17.1%
42.0%	10,559	12,462	1,903	18.0%
43.2%	10,528	11,978	1,450	13.8%
44.4%	10,423	11,914	1,491	14.3%
45.7%	10,240	11,879	1,638	16.0%
46.9%	10,220	11,700	1,480	14.5%
48.1%	10,093	11,427	1,334	13.2%
49.4%	10,021	11,287	1,266	12.6%
50.6%	9,829	11,106	1,277	13.0%
51.9%	9,304	11,103	1,799	19.3%
53.1%	8,923	11,006	2,083	23.3%
54.3%	8,419	10,601	2,181	25.9%
55.6%	8,334	10,175	1,842	22.1%
56.8%	8,100	9,806	1,706	21.1%
58.0%	8,002	9,746	1,744	21.8%
59.3%	7,887	9,642	1,754	22.2%
60.5%	7,845	9,378	1,532	19.5%
61.7%	7,811	9,051	1,239	15.9%
63.0%	7,616	8,981	1,365	17.9%
64.2%	7,423	8,105	682	9.2%
65.4%	7,154	7,995	842	11.8%
66.7%	6,928	7,519	591	8.5%
67.9%	6,798	7,417	618	9.1%
69.1%	6,581	7,417	835	12.7%
70.4%	6,460	7,181	721	11.2%
71.6%	6,304	7,147	843	13.4%
72.8%	5,877	7,022	1,145	19.5%
74.1%	5,649	6,190	541	9.6%
75.3%	5,506	6,036	530	9.6%
76.5%	5,387	5,978	591	11.0%
77.8%	5,278	5,898	620	11.7%
79.0%	5,027	5,567	540	10.7%
80.2%	4,950	5,342	392	7.9%
81.5%	4,825	5,103	278	5.8%
82.7%	4,576	5,092	516	11.3%
84.0%	4,500	4,872	372	8.3%
85.2%	4,500	4,751	251	5.6%
86.4%	4,500	4,623	123	2.7%
87.7%	4,500	4,500	0	0.0%
88.9%	4,196	4,500	304	7.3%
90.1%	3,945	4,044	99	2.5%
91.4%	3,683	3,946	263	7.1%
92.6%	3,500	3,500	0	0.0%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	2,928	3,500	572	19.5%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	121,583	121,710	128	0.1%
1.2%	80,437	77,566	-2,871	-3.6%
2.5%	79,307	75,215	-4,091	-5.2%
3.7%	77,355	75,130	-2,225	-2.9%
4.9%	70,727	72,081	1,354	1.9%
6.2%	60,037	60,215	178	0.3%
7.4%	59,468	59,423	-46	-0.1%
8.6%	58,046	59,142	1,096	1.9%
9.9%	57,686	56,815	-870	-1.5%
11.1%	55,261	54,458	-803	-1.5%
12.3%	47,185	44,033	-3,152	-6.7%
13.6%	45,211	39,974	-5,236	-11.6%
14.8%	43,482	38,884	-4,598	-10.6%
16.0%	34,606	38,127	3,522	10.2%
17.3%	33,948	35,469	1,520	4.5%
18.5%	33,702	31,976	-1,725	-5.1%
19.8%	32,755	31,662	-1,093	-3.3%
21.0%	32,678	30,015	-2,663	-8.1%
22.2%	29,845	27,848	-1,996	-6.7%
23.5%	27,263	26,854	-409	-1.5%
24.7%	24,526	25,220	694	2.8%
25.9%	24,313	21,631	-2,681	-11.0%
27.2%	22,247	20,575	-1,672	-7.5%
28.4%	21,880	19,094	-2,786	-12.7%
29.6%	19,580	18,349	-1,231	-6.3%
30.9%	19,562	16,367	-3,195	-16.3%
32.1%	19,015	15,661	-3,354	-17.6%
33.3%	18,477	15,638	-2,840	-15.4%
34.6%	17,557	15,167	-2,390	-13.6%
35.8%	16,942	14,871	-2,071	-12.2%
37.0%	16,663	14,686	-1,977	-11.9%
38.3%	15,419	14,187	-1,232	-8.0%
39.5%	15,051	14,148	-903	-6.0%
40.7%	14,807	14,013	-794	-5.4%
42.0%	14,636	13,321	-1,315	-9.0%
43.2%	14,178	13,150	-1,028	-7.3%
44.4%	13,606	12,838	-767	-5.6%
45.7%	13,506	12,504	-1,002	-7.4%
46.9%	13,399	11,678	-1,721	-12.8%
48.1%	13,279	11,646	-1,633	-12.3%
49.4%	12,698	11,614	-1,085	-8.5%
50.6%	11,921	11,612	-308	-2.6%
51.9%	11,799	11,506	-293	-2.5%
53.1%	11,776	11,381	-396	-3.4%
54.3%	11,597	11,077	-520	-4.5%
55.6%	11,559	10,994	-565	-4.9%
56.8%	11,010	10,863	-147	-1.3%
58.0%	10,983	10,845	-138	-1.3%
59.3%	10,977	10,719	-258	-2.4%
60.5%	10,777	10,594	-183	-1.7%
61.7%	10,362	10,420	58	0.6%
63.0%	9,977	10,161	184	1.8%
64.2%	9,868	10,105	237	2.4%
65.4%	9,781	10,016	234	2.4%
66.7%	9,696	9,966	269	2.8%
67.9%	9,685	9,896	211	2.2%
69.1%	9,527	9,783	256	2.7%
70.4%	9,270	9,755	484	5.2%
71.6%	9,265	9,709	444	4.8%
72.8%	9,130	9,603	473	5.2%
74.1%	9,014	9,597	583	6.5%
75.3%	8,919	9,196	278	3.1%
76.5%	8,856	9,152	295	3.3%
77.8%	8,647	8,809	163	1.9%
79.0%	8,473	8,755	282	3.3%
80.2%	7,996	7,955	-41	-0.5%
81.5%	7,931	7,711	-219	-2.8%
82.7%	7,672	7,249	-423	-5.5%
84.0%	7,629	7,061	-569	-7.5%
85.2%	7,597	7,035	-562	-7.4%
86.4%	6,798	6,940	142	2.1%
87.7%	6,694	6,647	-46	-0.7%
88.9%	6,134	6,411	277	4.5%
90.1%	5,861	6,406	546	9.3%
91.4%	5,825	6,405	580	10.0%
92.6%	5,662	6,223	561	9.9%
93.8%	5,627	6,156	528	9.4%
95.1%	5,247	5,845	598	11.4%
96.3%	4,500	5,811	1,311	29.1%
97.5%	4,446	5,756	1,310	29.5%
98.8%	3,939	4,061	122	3.1%
100.0%	3,874	3,884	10	0.3%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200,996	196,556	-4,441	-2.2%
1.2%	181,522	179,942	-1,581	-0.9%
2.5%	133,631	129,493	-4,138	-3.1%
3.7%	119,022	119,063	41	0.0%
4.9%	102,413	98,553	-3,860	-3.8%
6.2%	96,892	96,880	-12	0.0%
7.4%	95,130	92,557	-2,573	-2.7%
8.6%	88,148	88,846	698	0.8%
9.9%	88,029	84,699	-3,329	-3.8%
11.1%	86,969	80,402	-6,567	-7.6%
12.3%	71,671	71,620	-50	-0.1%
13.6%	71,662	66,657	-5,005	-7.0%
14.8%	68,159	65,121	-3,038	-4.5%
16.0%	65,987	64,767	-1,220	-1.8%
17.3%	62,761	58,928	-3,833	-6.1%
18.5%	61,275	58,075	-3,199	-5.2%
19.8%	58,055	54,717	-3,338	-5.7%
21.0%	54,054	51,407	-2,647	-4.9%
22.2%	52,137	49,148	-2,989	-5.7%
23.5%	51,353	48,437	-2,916	-5.7%
24.7%	46,740	46,805	65	0.1%
25.9%	43,167	41,751	-1,416	-3.3%
27.2%	42,674	39,047	-3,627	-8.5%
28.4%	42,561	38,951	-3,610	-8.5%
29.6%	40,899	36,638	-4,261	-10.4%
30.9%	40,412	35,415	-4,997	-12.4%
32.1%	39,931	34,844	-5,087	-12.7%
33.3%	35,330	34,719	-610	-1.7%
34.6%	34,716	34,640	-76	-0.2%
35.8%	34,294	31,614	-2,679	-7.8%
37.0%	28,664	25,824	-2,839	-9.9%
38.3%	28,660	25,379	-3,281	-11.4%
39.5%	27,181	25,300	-1,881	-6.9%
40.7%	26,381	24,165	-2,217	-8.4%
42.0%	24,310	20,878	-3,432	-14.1%
43.2%	24,123	20,365	-3,758	-15.6%
44.4%	23,049	19,792	-3,257	-14.1%
45.7%	22,212	19,340	-2,872	-12.9%
46.9%	21,299	18,684	-2,615	-12.3%
48.1%	20,603	18,025	-2,578	-12.5%
49.4%	20,076	17,802	-2,274	-11.3%
50.6%	19,982	17,656	-2,326	-11.6%
51.9%	19,405	17,477	-1,928	-9.9%
53.1%	19,181	17,017	-2,164	-11.3%
54.3%	18,984	16,965	-2,019	-10.6%
55.6%	17,922	16,734	-1,188	-6.6%
56.8%	17,636	16,295	-1,341	-7.6%
58.0%	17,253	15,522	-1,731	-10.0%
59.3%	17,125	15,186	-1,939	-11.3%
60.5%	16,689	15,064	-1,625	-9.7%
61.7%	16,027	14,413	-1,614	-10.1%
63.0%	15,703	13,924	-1,779	-11.3%
64.2%	15,112	13,896	-1,216	-8.0%
65.4%	15,105	12,907	-2,198	-14.5%
66.7%	14,380	12,894	-1,487	-10.3%
67.9%	13,581	12,867	-713	-5.3%
69.1%	12,973	12,533	-440	-3.4%
70.4%	12,740	12,323	-416	-3.3%
71.6%	12,568	12,220	-348	-2.8%
72.8%	12,210	12,206	-4	0.0%
74.1%	11,577	12,181	604	5.2%
75.3%	11,407	12,176	769	6.7%
76.5%	11,314	12,165	851	7.5%
77.8%	11,110	12,141	1,030	9.3%
79.0%	11,050	12,132	1,082	9.8%
80.2%	10,995	12,125	1,130	10.3%
81.5%	10,907	12,099	1,193	10.9%
82.7%	10,885	12,086	1,201	11.0%
84.0%	10,862	11,649	787	7.2%
85.2%	10,643	11,565	922	8.7%
86.4%	10,622	11,113	491	4.6%
87.7%	10,090	10,822	733	7.3%
88.9%	9,964	10,706	742	7.4%
90.1%	9,923	10,270	347	3.5%
91.4%	9,759	10,200	441	4.5%
92.6%	9,237	10,115	878	9.5%
93.8%	9,025	9,932	907	10.0%
95.1%	8,639	9,920	1,281	14.8%
96.3%	8,457	8,395	-62	-0.7%
97.5%	8,134	8,348	214	2.6%
98.8%	7,814	7,456	-357	-4.6%
100.0%	7,658	5,613	-2,045	-26.7%

Table SW-32-9b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

	February			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	185,158	187,078	1,919	1.0%
1.2%	179,959	181,539	1,580	0.9%
2.5%	140,370	138,628	-1,742	-1.2%
3.7%	131,401	131,416	15	0.0%
4.9%	124,357	124,381	24	0.0%
6.2%	112,388	114,415	2,027	1.8%
7.4%	110,076	107,025	-3,052	-2.8%
8.6%	104,275	104,280	5	0.0%
9.9%	103,682	100,302	-3,380	-3.3%
11.1%	101,743	97,265	-4,479	-4.4%
12.3%	101,344	97,008	-4,336	-4.3%
13.6%	90,473	87,244	-3,229	-3.6%
14.8%	81,413	79,988	-1,425	-1.8%
16.0%	76,771	76,135	-636	-0.8%
17.3%	76,126	75,231	-895	-1.2%
18.5%	70,591	66,345	-4,246	-6.0%
19.8%	65,332	65,344	12	0.0%
21.0%	65,029	62,031	-2,997	-4.6%
22.2%	64,040	60,941	-3,100	-4.8%
23.5%	60,951	58,398	-2,553	-4.2%
24.7%	57,007	55,881	-1,126	-2.0%
25.9%	56,800	55,315	-1,486	-2.6%
27.2%	52,797	52,522	-276	-0.5%
28.4%	52,584	52,335	-249	-0.5%
29.6%	51,289	49,772	-1,518	-3.0%
30.9%	48,689	45,495	-3,194	-6.6%
32.1%	48,111	45,297	-2,814	-5.8%
33.3%	47,471	45,175	-2,296	-4.8%
34.6%	46,481	45,077	-1,404	-3.0%
35.8%	45,300	44,930	-370	-0.8%
37.0%	43,765	44,493	727	1.7%
38.3%	43,419	43,759	339	0.8%
39.5%	42,653	41,439	-1,214	-2.8%
40.7%	41,307	38,641	-2,666	-6.5%
42.0%	40,761	36,966	-3,795	-9.3%
43.2%	38,162	35,453	-2,710	-7.1%
44.4%	35,432	34,909	-523	-1.5%
45.7%	31,724	29,035	-2,688	-8.5%
46.9%	31,320	28,317	-3,003	-9.6%
48.1%	30,111	27,651	-2,459	-8.2%
49.4%	28,620	25,512	-3,108	-10.9%
50.6%	28,617	25,146	-3,471	-12.1%
51.9%	28,574	25,009	-3,565	-12.5%
53.1%	27,387	24,987	-2,400	-8.8%
54.3%	27,302	24,666	-2,636	-9.7%
55.6%	24,625	22,490	-2,134	-8.7%
56.8%	21,737	20,194	-1,543	-7.1%
58.0%	21,731	19,983	-1,748	-8.0%
59.3%	21,244	18,975	-2,269	-10.7%
60.5%	20,570	18,461	-2,110	-10.3%
61.7%	20,370	18,332	-2,038	-10.0%
63.0%	19,790	17,913	-1,878	-9.5%
64.2%	19,676	16,646	-3,031	-15.4%
65.4%	18,870	15,946	-2,925	-15.5%
66.7%	18,622	15,826	-2,796	-15.0%
67.9%	16,257	15,397	-860	-5.3%
69.1%	15,551	15,099	-452	-2.9%
70.4%	15,165	14,359	-806	-5.3%
71.6%	14,583	13,756	-827	-5.7%
72.8%	14,530	12,979	-1,551	-10.7%
74.1%	13,927	12,890	-1,037	-7.4%
75.3%	13,388	12,799	-590	-4.4%
76.5%	13,376	12,435	-940	-7.0%
77.8%	13,366	12,131	-1,234	-9.2%
79.0%	13,015	12,001	-1,014	-7.8%
80.2%	12,478	11,951	-527	-4.2%
81.5%	12,127	11,815	-313	-2.6%
82.7%	11,597	11,480	-117	-1.0%
84.0%	11,330	11,193	-137	-1.2%
85.2%	10,771	11,109	338	3.1%
86.4%	10,646	10,898	252	2.4%
87.7%	10,500	10,477	-23	-0.2%
88.9%	10,385	10,430	45	0.4%
90.1%	10,309	10,190	-119	-1.2%
91.4%	9,774	9,769	-4	0.0%
92.6%	9,754	9,672	-82	-0.8%
93.8%	9,398	9,503	105	1.1%
95.1%	9,081	9,451	369	4.1%
96.3%	7,999	9,403	1,405	17.6%
97.5%	7,092	7,258	166	2.3%
98.8%	6,567	6,710	143	2.2%
100.0%	5,993	6,236	243	4.1%

	March			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	189,717	189,732	16	0.0%
1.2%	181,929	176,654	-5,276	-2.9%
2.5%	128,286	127,134	-1,152	-0.9%
3.7%	107,918	104,750	-3,168	-2.9%
4.9%	100,474	100,461	-13	0.0%
6.2%	96,879	94,719	-2,160	-2.2%
7.4%	94,703	89,930	-4,774	-5.0%
8.6%	76,419	75,576	-844	-1.1%
9.9%	73,545	71,875	-1,670	-2.3%
11.1%	72,056	69,440	-2,616	-3.6%
12.3%	66,380	64,770	-1,610	-2.4%
13.6%	61,713	61,699	-14	0.0%
14.8%	61,213	61,331	118	0.2%
16.0%	59,248	57,391	-1,857	-3.1%
17.3%	57,454	54,140	-3,314	-5.8%
18.5%	55,236	51,726	-3,510	-6.4%
19.8%	51,720	51,456	-263	-0.5%
21.0%	49,962	48,792	-1,170	-2.3%
22.2%	48,480	48,418	-62	-0.1%
23.5%	47,977	47,989	12	0.0%
24.7%	42,734	42,761	27	0.1%
25.9%	41,874	42,696	823	2.0%
27.2%	40,810	39,842	-968	-2.4%
28.4%	39,318	35,487	-3,830	-9.7%
29.6%	39,303	33,935	-5,369	-13.7%
30.9%	37,906	33,277	-4,629	-12.2%
32.1%	36,065	32,057	-4,008	-11.1%
33.3%	35,111	30,912	-4,199	-12.0%
34.6%	34,555	30,796	-3,760	-10.9%
35.8%	31,945	30,315	-1,630	-5.1%
37.0%	30,867	29,831	-1,036	-3.4%
38.3%	30,264	28,605	-1,660	-5.5%
39.5%	29,000	28,419	-581	-2.0%
40.7%	28,397	26,066	-2,331	-8.2%
42.0%	27,695	25,238	-2,457	-8.9%
43.2%	27,186	23,900	-3,286	-12.1%
44.4%	26,208	22,266	-3,942	-15.0%
45.7%	24,690	22,155	-2,536	-10.3%
46.9%	23,878	21,605	-2,273	-9.5%
48.1%	23,423	20,751	-2,672	-11.4%
49.4%	22,377	20,665	-1,712	-7.7%
50.6%	22,122	18,643	-3,479	-15.7%
51.9%	20,754	18,210	-2,544	-12.3%
53.1%	20,638	18,197	-2,441	-11.8%
54.3%	20,538	18,051	-2,487	-12.1%
55.6%	19,931	18,023	-1,908	-9.6%
56.8%	19,689	17,522	-2,167	-11.0%
58.0%	19,409	17,198	-2,212	-11.4%
59.3%	18,452	15,357	-3,095	-16.8%
60.5%	18,026	14,742	-3,284	-18.2%
61.7%	17,853	14,593	-3,260	-18.3%
63.0%	17,218	14,425	-2,793	-16.2%
64.2%	17,122	14,285	-2,837	-16.6%
65.4%	16,470	14,188	-2,282	-13.9%
66.7%	16,328	13,981	-2,347	-14.4%
67.9%	16,313	13,778	-2,535	-15.5%
69.1%	16,158	13,760	-2,397	-14.8%
70.4%	16,138	13,492	-2,646	-16.4%
71.6%	15,556	13,438	-2,118	-13.6%
72.8%	15,556	13,127	-2,429	-15.6%
74.1%	15,310	12,809	-2,502	-16.3%
75.3%	15,179	11,939	-3,240	-21.3%
76.5%	14,003	11,706	-2,297	-16.4%
77.8%	12,680	10,761	-1,919	-15.1%
79.0%	12,596	10,603	-1,993	-15.8%
80.2%	11,441	10,574	-867	-7.6%
81.5%	11,303	10,572	-732	-6.5%
82.7%	10,793	10,328	-466	-4.3%
84.0%	9,994	10,286	291	2.9%
85.2%	9,652	9,847	194	2.0%
86.4%	9,632	9,820	187	1.9%
87.7%	9,346	9,571	225	2.4%
88.9%	8,875	9,449	574	6.5%
90.1%	8,738	9,373	635	7.3%
91.4%	8,651	8,256	-395	-4.6%
92.6%	8,390	8,110	-280	-3.3%
93.8%	8,285	7,902	-383	-4.6%
95.1%	8,031	7,459	-572	-7.1%
96.3%	6,734	7,253	519	7.7%
97.5%	6,375	6,964	588	9.2%
98.8%	5,931	6,416	485	8.2%
100.0%	5,608	6,367	759	13.5%

	April			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,750	102,762	12	0.0%
1.2%	80,513	81,132	619	0.8%
2.5%	72,360	72,360	0	0.0%
3.7%	60,667	60,668	1	0.0%
4.9%	59,404	59,423	19	0.0%
6.2%	56,679	54,044	-2,635	-4.6%
7.4%	53,501	53,516	16	0.0%
8.6%	53,114	53,100	-14	0.0%
9.9%	52,368	52,361	-6	0.0%
11.1%	47,277	44,907	-2,370	-5.0%
12.3%	42,779	42,672	-107	-0.2%
13.6%	40,809	40,153	-656	-1.6%
14.8%	40,167	38,384	-1,783	-4.4%
16.0%	39,989	37,788	-2,201	-5.5%
17.3%	36,652	36,449	-203	-0.6%
18.5%	36,431	34,888	-1,543	-4.2%
19.8%	34,856	34,746	-110	-0.3%
21.0%	34,767	34,586	-181	-0.5%
22.2%	34,486	33,744	-742	-2.2%
23.5%	31,547	29,359	-2,188	-6.9%
24.7%	31,135	28,234	-2,901	-9.3%
25.9%	21,172	21,157	-16	-0.1%
27.2%	20,996	21,025	29	0.1%
28.4%	20,925	20,582	-343	-1.6%
29.6%	20,805	19,356	-1,449	-7.0%
30.9%	20,752	18,589	-2,163	-10.4%
32.1%	19,987	18,581	-1,406	-7.0%
33.3%	19,909	18,369	-1,541	-7.7%
34.6%	18,566	18,341	-226	-1.2%
35.8%	18,340	17,574	-766	-4.2%
37.0%	17,492	17,218	-274	-1.6%
38.3%	17,492	17,149	-343	-2.0%
39.5%	17,357	17,098	-259	-1.5%
40.7%	17,318	16,680	-638	-3.7%
42.0%	16,829	15,439	-1,390	-8.3%
43.2%	14,945	15,297	352	2.4%
44.4%	14,585	14,734	149	1.0%
45.7%	14,460	14,404	-57	-0.4%
46.9%	14,403	13,722	-681	-4.7%
48.1%	13,455	13,395	-61	-0.5%
49.4%	13,315	13,232	-83	-0.6%
50.6%	12,710	12,750	40	0.3%
51.9%	12,674	12,680	6	0.0%
53.1%	11,581	11,637	57	0.5%
54.3%	11,012	11,014	2	0.0%
55.6%	10,813	10,838	25	0.2%
56.8%	10,744	10,830	86	0.8%
58.0%	10,129	10,724	595	5.9%
59.3%	10,033	10,052	18	0.2%
60.5%	10,003	10,009	6	0.1%
61.7%	9,950	9,938	-13	-0.1%
63.0%	9,872	9,732	-141	-1.4%
64.2%	9,477	9,467	-10	-0.1%
65.4%	9,374	9,394	19	0.2%
66.7%	9,352	9,390	38	0.4%
67.9%	9,291	9,196	-94	-1.0%
69.1%	9,199	9,086	-113	-1.2%
70.4%	9,107	9,029	-78	-0.9%
71.6%	8,910	8,944	34	0.4%
72.8%	8,877	8,908	31	0.4%
74.1%	8,766	8,825	59	0.7%
75.3%	8,709	8,751	42	0.5%
76.5%	8,635	8,728	92	1.1%
77.8%	8,526	8,702	176	2.1%
79.0%	8,521	8,548	27	0.3%
80.2%	8,396	8,395	0	0.0%
81.5%	8,331	8,073	-258	-3.1%
82.7%	7,763	7,879	115	1.5%
84.0%	7,637	7,812	175	2.3%
85.2%	7,431	7,612	181	2.4%
86.4%	7,429	7,590	161	2.2%
87.7%	7,263	7,577	315	4.3%
88.9%	7,153	7,487	334	4.7%
90.1%	7,145	7,413	268	3.7%
91.4%	7,144	7,318	174	2.4%
92.6%	7,094	7,302	207	2.9%
93.8%	7,067	7,094	27	0.4%
95.1%	6,951	7,067	117	1.7%
96.3%	6,358	6,358	0	0.0%
97.5%	6,284	6,017	-267	-4.2%
98.8%	5,972	5,966	-6	-0.1%
100.0%	5,249	4,988	-261	-5.0%

	May			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	58,076	55,417	-2,659	-4.6%
1.2%	49,536	49,448	-88	-0.2%
2.5%	46,892	46,911	19	0.0%
3.7%	45,221	45,124	-98	-0.2%
4.9%	40,881	40,558	-323	-0.8%
6.2%	37,250	37,032	-218	-0.6%
7.4%	36,604	36,504	-100	-0.3%
8.6%	35,934	35,841	-93	-0.3%
9.9%	35,393	35,767	374	1.1%
11.1%	34,837	35,338	501	1.4%
12.3%	33,504	34,840	1,337	4.0%
13.6%	33,406	33,411	4	0.0%
14.8%	32,421	32,244	-177	-0.5%
16.0%	26,472	26,908	436	1.6%
17.3%	25,635	26,462	828	3.2%
18.5%	23,013	23,010	-2	0.0%
19.8%	23,003	21,839	-1,163	-5.1%
21.0%	22,527	21,830	-697	-3.1%
22.2%	21,342	20,570	-773	-3.6%
23.5%	20,785	19,101	-1,684	-8.1%
24.7%	19,447	18,283	-1,164	-6.0%
25.9%	18,564	17,737	-828	-4.5%
27.2%	16,207	16,221	14	0.1%
28.4%	15,080	14,848	-232	-1.5%
29.6%	14,409	14,349	-59	-0.4%
30.9%	14,307	13,722	-585	-4.1%
32.1%	13,931	13,610	-321	-2.3%
33.3%	13,609	12,957	-651	-4.8%
34.6%	12,774	12,681	-94	-0.7%
35.8%	12,678	12,176	-502	-4.0%
37.0%	12,269	12,077	-191	-1.6%
38.3%	11,671	12,070	398	3.4%
39.5%	11,669	11,450	-218	-1.9%
40.7%	11,390	11,382	-9	-0.1%
42.0%	11,019	11,022	4	0.0%
43.2%	10,856	10,862	6	0.1%
44.4%	10,856	10,858	2	0.0%
45.7%	10,647	10,656	8	0.1%
46.9%	10,363	10,631	268	2.6%
48.1%	10,241	10,406	166	1.6%
49.4%	10,235	10,250	15	0.1%
50.6%	10,232	9,933	-299	-2.9%
51.9%	9,400	9,328	-72	-0.8%
53.1%	9,095	9,101	6	0.1%
54.3%	9,046	9,093	47	0.5%
55.6%	8,973	9,048	75	0.8%
56.8%	8,891	9,008	117	1.3%
58.0%	8,793	8,844	51	0.6%
59.3%	8,726	8,798	72	0.8%
60.5%	8,627	8,729	102	1.2%
61.7%	8,483	8,725	242	2.8%
63.0%	8,254	8,674	421	5.1%
64.2%	8,094	8,632	538	6.6%
65.4%	8,048	7,960	-88	-1.1%
66.7%	7,912	7,895	-17	-0.2%
67.9%	7,810	7,882	72	0.9%
69.1%	7,763	7,875	112	1.4%
70.4%	7,715	7,807	91	1.2%
71.6%	7,684	7,720	35	0.5%
72.8%	7,641	7,653	12	0.2%
74.1%	7,619	7,615	-5	-0.1%
75.3%	7,445	7,612	167	2.2%
76.5%	7,422	7,458	37	0.5%
77.8%	7,377	7,409	32	0.4%
79.0%	7,112	7,124	11	0.2%
80.2%	6,945	7,048	103	1.5%
81.5%	6,824	6,937	113	1.7%
82.7%	6,733	6,830	97	1.4%
84.0%	6,448	6,821	374	5.8%
85.2%	6,428	6,785	356	5.5%
86.4%	6,418	6,428	10	0.2%
87.7%	6,354	6,322	-32	-0.5%
88.9%	6,230	6,010	-220	-3.5%
90.1%	6,146	5,915	-231	-3.8%
91.4%	5,731	5,769	38	0.7%
92.6%	5,547	5,731	184	3.3%
93.8%	5,140	5,613	473	9.2%
95.1%	4,639	4,780	141	3.0%
96.3%	4,607	4,617	10	0.2%
97.5%	4,227	4,123	-103	-2.4%
98.8%	4,126	3,979	-147	-3.6%
100.0%	3,464	3,490	26	0.7%

Table SW-32-9b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

June				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,967	54,697	-270	-0.5%
1.2%	43,324	43,700	376	0.9%
2.5%	31,087	31,952	864	2.8%
3.7%	30,854	31,756	902	2.9%
4.9%	29,275	31,397	2,122	7.2%
6.2%	28,510	28,916	406	1.4%
7.4%	28,018	28,429	411	1.5%
8.6%	23,753	24,708	955	4.0%
9.9%	20,851	20,431	-420	-2.0%
11.1%	15,023	20,166	5,143	34.2%
12.3%	14,784	14,497	-287	-1.9%
13.6%	14,253	13,540	-713	-5.0%
14.8%	13,198	13,504	306	2.3%
16.0%	12,257	12,984	727	5.9%
17.3%	12,142	12,775	633	5.2%
18.5%	12,034	12,239	205	1.7%
19.8%	11,761	11,896	135	1.1%
21.0%	10,986	11,227	240	2.2%
22.2%	10,316	10,656	340	3.3%
23.5%	9,102	9,508	406	4.5%
24.7%	8,739	9,104	365	4.2%
25.9%	8,450	8,810	360	4.3%
27.2%	8,414	8,752	338	4.0%
28.4%	8,190	8,742	551	6.7%
29.6%	8,067	8,516	449	5.6%
30.9%	7,917	8,269	352	4.4%
32.1%	7,913	8,245	332	4.2%
33.3%	7,755	8,172	417	5.4%
34.6%	7,686	8,075	389	5.1%
35.8%	7,641	8,050	409	5.4%
37.0%	7,577	7,994	417	5.5%
38.3%	7,535	7,951	416	5.5%
39.5%	7,525	7,870	345	4.6%
40.7%	7,491	7,435	-56	-0.7%
42.0%	7,107	7,300	193	2.7%
43.2%	6,942	7,251	309	4.5%
44.4%	6,899	7,225	327	4.7%
45.7%	6,853	7,122	268	3.9%
46.9%	6,788	7,095	308	4.5%
48.1%	6,780	7,012	232	3.4%
49.4%	6,757	6,923	165	2.4%
50.6%	6,699	6,923	224	3.3%
51.9%	6,676	6,918	242	3.6%
53.1%	6,536	6,875	339	5.2%
54.3%	6,362	6,770	408	6.4%
55.6%	6,312	6,701	389	6.2%
56.8%	6,292	6,699	406	6.5%
58.0%	6,289	6,606	317	5.0%
59.3%	6,232	6,555	323	5.2%
60.5%	6,196	6,507	311	5.0%
61.7%	6,173	6,505	332	5.4%
63.0%	6,144	6,467	323	5.3%
64.2%	6,140	6,352	212	3.4%
65.4%	6,138	6,345	208	3.4%
66.7%	6,126	6,294	168	2.8%
67.9%	6,081	6,224	144	2.4%
69.1%	5,979	6,165	186	3.1%
70.4%	5,880	6,123	243	4.1%
71.6%	5,859	6,047	189	3.2%
72.8%	5,822	6,038	216	3.7%
74.1%	5,815	5,982	167	2.9%
75.3%	5,814	5,946	131	2.3%
76.5%	5,747	5,902	156	2.7%
77.8%	5,662	5,899	236	4.2%
79.0%	5,569	5,701	132	2.4%
80.2%	5,332	5,653	321	6.0%
81.5%	5,303	5,594	291	5.5%
82.7%	5,291	5,577	285	5.4%
84.0%	5,205	5,402	197	3.8%
85.2%	5,158	5,396	238	4.6%
86.4%	5,157	5,316	158	3.1%
87.7%	5,037	5,303	266	5.3%
88.9%	4,908	5,013	105	2.1%
90.1%	4,821	4,864	43	0.9%
91.4%	4,527	4,659	132	2.9%
92.6%	4,378	3,930	-448	-10.2%
93.8%	3,795	3,917	121	3.2%
95.1%	3,671	3,795	124	3.4%
96.3%	3,632	3,712	80	2.2%
97.5%	3,279	3,626	347	10.6%
98.8%	3,243	3,255	12	0.4%
100.0%	3,201	3,202	0	0.0%

July				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,373	20,778	6,405	44.6%
1.2%	14,333	20,659	6,327	44.1%
2.5%	14,278	20,628	6,350	44.5%
3.7%	14,182	20,581	6,399	45.1%
4.9%	14,034	20,426	6,393	45.6%
6.2%	14,024	20,419	6,395	45.6%
7.4%	13,992	20,059	6,067	43.4%
8.6%	13,645	20,022	6,377	46.7%
9.9%	13,628	14,472	844	6.2%
11.1%	13,612	14,426	814	6.0%
12.3%	13,600	14,380	780	5.7%
13.6%	13,526	14,362	836	6.2%
14.8%	13,494	14,224	730	5.4%
16.0%	13,447	14,207	759	5.6%
17.3%	13,416	14,062	646	4.8%
18.5%	13,296	13,945	649	4.9%
19.8%	13,236	13,844	608	4.6%
21.0%	12,881	13,843	962	7.5%
22.2%	12,740	13,471	731	5.7%
23.5%	12,645	13,469	825	6.5%
24.7%	12,604	13,414	810	6.4%
25.9%	12,580	13,311	731	5.8%
27.2%	12,506	13,228	722	5.8%
28.4%	12,411	12,767	356	2.9%
29.6%	12,216	12,696	479	3.9%
30.9%	12,001	12,657	656	5.5%
32.1%	11,941	12,648	708	5.9%
33.3%	11,780	12,603	823	7.0%
34.6%	11,698	12,506	807	6.9%
35.8%	11,441	12,487	1,045	9.1%
37.0%	11,441	12,331	890	7.8%
38.3%	11,441	12,232	791	6.9%
39.5%	11,355	12,118	763	6.7%
40.7%	11,180	11,965	786	7.0%
42.0%	11,005	11,885	880	8.0%
43.2%	10,961	11,796	835	7.6%
44.4%	10,935	11,670	734	6.7%
45.7%	10,914	11,657	743	6.8%
46.9%	10,904	11,545	641	5.9%
48.1%	10,884	11,541	657	6.0%
49.4%	10,848	11,540	692	6.4%
50.6%	10,835	11,536	700	6.5%
51.9%	10,829	11,513	684	6.3%
53.1%	10,826	11,511	685	6.3%
54.3%	10,807	11,485	677	6.3%
55.6%	10,788	11,444	656	6.1%
56.8%	10,778	11,397	619	5.7%
58.0%	10,767	11,351	585	5.4%
59.3%	10,645	11,176	531	5.0%
60.5%	10,598	10,918	320	3.0%
61.7%	10,543	10,824	281	2.7%
63.0%	10,321	10,815	493	4.8%
64.2%	10,129	10,774	645	6.4%
65.4%	9,915	10,618	702	7.1%
66.7%	9,907	10,612	705	7.1%
67.9%	9,896	10,540	644	6.5%
69.1%	9,854	10,207	354	3.6%
70.4%	9,760	10,061	301	3.1%
71.6%	9,408	10,061	653	6.9%
72.8%	9,120	9,743	623	6.8%
74.1%	9,037	9,669	633	7.0%
75.3%	9,002	9,424	423	4.7%
76.5%	9,001	9,201	200	2.2%
77.8%	8,901	9,181	280	3.1%
79.0%	8,875	9,139	265	3.0%
80.2%	8,494	8,901	407	4.8%
81.5%	8,372	8,508	135	1.6%
82.7%	8,123	8,362	239	2.9%
84.0%	7,958	8,114	156	2.0%
85.2%	7,824	8,011	188	2.4%
86.4%	7,286	7,922	636	8.7%
87.7%	7,248	7,711	463	6.4%
88.9%	7,053	7,573	519	7.4%
90.1%	6,782	7,363	581	8.6%
91.4%	6,515	7,285	770	11.8%
92.6%	6,496	6,515	19	0.3%
93.8%	6,489	6,311	-178	-2.7%
95.1%	5,902	6,296	393	6.7%
96.3%	5,718	5,883	165	2.9%
97.5%	4,713	5,723	1,010	21.4%
98.8%	3,208	5,177	1,969	61.4%
100.0%	2,656	4,589	1,932	72.7%

August				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,312	12,798	1,486	13.1%
1.2%	11,023	11,540	517	4.7%
2.5%	11,005	11,121	116	1.1%
3.7%	10,652	10,832	180	1.7%
4.9%	10,131	10,724	593	5.9%
6.2%	10,096	10,697	601	6.0%
7.4%	10,093	10,695	601	6.0%
8.6%	10,009	10,655	646	6.5%
9.9%	9,953	10,605	652	6.5%
11.1%	9,822	10,458	636	6.5%
12.3%	9,707	10,341	634	6.5%
13.6%	9,670	10,320	650	6.7%
14.8%	9,611	10,259	648	6.7%
16.0%	9,576	10,248	672	7.0%
17.3%	9,551	10,212	661	6.9%
18.5%	9,519	10,191	672	7.1%
19.8%	9,488	10,067	580	6.1%
21.0%	9,404	9,937	533	5.7%
22.2%	9,399	9,908	509	5.4%
23.5%	9,347	9,900	553	5.9%
24.7%	9,324	9,804	480	5.1%
25.9%	9,266	9,763	496	5.4%
27.2%	9,257	9,680	423	4.6%
28.4%	9,229	9,673	444	4.8%
29.6%	9,200	9,455	255	2.8%
30.9%	9,198	9,448	250	2.7%
32.1%	9,184	9,434	250	2.7%
33.3%	9,182	9,428	246	2.7%
34.6%	9,147	9,204	56	0.6%
35.8%	9,056	9,188	132	1.5%
37.0%	9,043	9,141	98	1.1%
38.3%	8,995	9,090	96	1.1%
39.5%	8,935	9,040	106	1.2%
40.7%	8,867	9,027	161	1.8%
42.0%	8,859	9,003	144	1.6%
43.2%	8,841	8,955	115	1.3%
44.4%	8,776	8,853	77	0.9%
45.7%	8,750	8,844	94	1.1%
46.9%	8,715	8,835	120	1.4%
48.1%	8,665	8,806	141	1.6%
49.4%	8,600	8,799	199	2.3%
50.6%	8,546	8,777	230	2.7%
51.9%	8,423	8,761	338	4.0%
53.1%	8,402	8,746	344	4.1%
54.3%	8,394	8,651	257	3.1%
55.6%	8,394	8,598	204	2.4%
56.8%	8,304	8,526	222	2.7%
58.0%	8,278	8,454	176	2.1%
59.3%	8,158	8,394	236	2.9%
60.5%	8,064	8,307	243	3.0%
61.7%	8,052	8,219	167	2.1%
63.0%	7,989	8,161	172	2.1%
64.2%	7,975	8,064	89	1.1%
65.4%	7,930	8,054	123	1.6%
66.7%	7,911	7,973	63	0.8%
67.9%	7,849	7,909	60	0.8%
69.1%	7,785	7,886	101	1.3%
70.4%	7,665	7,854	190	2.5%
71.6%	7,633	7,784	151	2.0%
72.8%	7,629	7,626	-3	0.0%
74.1%	7,608	7,602	-6	-0.1%
75.3%	7,224	7,578	354	4.9%
76.5%	7,216	7,557	340	4.7%
77.8%	7,119	7,334	215	3.0%
79.0%	6,870	7,214	344	5.0%
80.2%	6,551	7,120	569	8.7%
81.5%	6,338	6,980	643	10.1%
82.7%	6,197	6,961	765	12.3%
84.0%	6,109	6,806	697	11.4%
85.2%	6,071	6,713	642	10.6%
86.4%	4,659	6,611	1,952	41.9%
87.7%	4,404	6,438	2,034	46.2%
88.9%	3,871	6,158	2,288	59.1%
90.1%	3,700	6,126	2,426	65.6%
91.4%	3,470	5,591	2,122	61.1%
92.6%	3,392	5,536	2,144	63.2%
93.8%	3,155	4,218	1,063	33.7%
95.1%	2,526	3,970	1,444	57.2%
96.3%	2,430	3,546	1,116	45.9%
97.5%	2,318	2,814	496	21.4%
98.8%	2,269	2,378	109	4.8%
100.0%	2,203	2,332	129	5.9%

September				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,830	25,831	0	0.0%
1.2%	25,080	25,518	438	1.7%
2.5%	24,994	25,242	248	1.0%
3.7%	24,955	25,210	255	1.0%
4.9%	24,736	25,101	365	1.5%
6.2%	24,728	25,089	361	1.5%
7.4%	24,440	24,710	270	1.1%
8.6%	24,229	24,700	471	1.9%
9.9%	24,136	24,507	370	1.5%
11.1%	24,134	24,454	320	1.3%
12.3%	24,052	24,436	384	1.6%
13.6%	23,952	24,392	440	1.8%
14.8%	23,766	24,266	500	2.1%
16.0%	23,598	24,105	506	2.1%
17.3%	23,087	24,064	977	4.2%
18.5%	22,702	23,921	1,219	5.4%
19.8%	22,145	23,688	1,543	7.0%
21.0%	21,384	23,658	2,274	10.6%
22.2%	21,353	23,576	2,222	10.4%
23.5%	21,343	23,087	1,744	8.2%
24.7%	20,869	23,082	2,213	10.6%
25.9%	14,434	21,306	6,873	47.6%
27.2%	14,418	14,288	-130	-0.9%
28.4%	14,242	14,178	-64	-0.4%
29.6%	14,139	14,023	-116	-0.8%
30.9%	13,593	13,911	318	2.3%
32.1%	13,210	13,492	282	2.1%
33.3%	13,104	13,358	254	1.9%
34.6%	12,980	13,100	120	0.9%
35.8%	12,522	12,989	467	3.7%
37.0%	12,220	12,718	498	4.1%
38.3%	12,167	12,521	354	2.9%
39.5%	12,081	12,357	275	2.3%
40.7%	11,666	12,046	380	3.3%
42.0%	11,513	11,950	438	3.8%
43.2%	11,251	11,662	412	3.7%
44.4%	9,419	11,495	2,076	22.0%
45.7%	9,115	11,147	2,032	22.3%
46.9%	7,694	8,134	439	5.7%
48.1%	7,273	7,792	519	7.1%
49.4%	7,089	7,651	562	7.9%
50.6%	7,042	7,407	365	5.2%
51.9%	6,943	7,298	354	5.1%
53.1%	6,544	7,247	703	10.7%
54.3%	6,429	7,162	733	11.4%
55.6%	6,388	7,107	719	11.3%
56.8%	6,341	7,087	746	11.8%
58.0%	6,303	7,083	780	12.4%
59.3%	6,263	6,968	704	11.2%
60.5%	6,196	6,958	762	12.3%
61.7%	6,155	6,861	706	11.5%
63.0%	6,101	6,701	600	9.8%
64.2%	6,035	6,521	487	8.1%
65.4%	5,969	6,420	450	7.5%
66.7%	5,863	6,373	510	8.7%
67.9%	5,814	6,342	529	9.1%
69.1%	5,707	6,271	564	9.9%
70.4%	5,602	6,249	647	11.6%
71.6%	5,495	6,246	751	13.7%
72.8%	5,492	6,137	645	11.7%
74.1%	5,440	6,026	586	10.8%
75.3%	5,255	6,023	768	14.6%
76.5%	5,244	6,001	757	14.4%
77.8%	5,228	5,840	611	11.7%
79.0%	5,150	5,712	561	10.9%
80.2%	5,109	5,670	561	11.0%
81.5%	4,952	5,604	653	13.2%
82.7%	4,756	5,597	841	17.7%
84.0%	4,384	5,581	1,196	27.3%
85.2%	3,982	5,440	1,457	36.6%
86.4%	3,386	5,260	1,874	55.3%
87.7%	3,000	5,165	2,165	72.2%
88.9%	3,000	4,124	1,124	37.5%
90.1%	3,000	3,372	372	12.4%
91.4%	3,000	3,308	308	10.3%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-33-9a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Outflow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	5,927	11,674	21,446	42,528	51,653	42,537	29,887	22,080	12,750	8,048	4,593	9,663
Alternative D	5,968	11,559	20,800	40,691	50,183	40,657	29,521	21,991	13,160	8,872	4,923	9,757
Difference	40	-115	-646	-1,838	-1,470	-1,881	-367	-89	410	824	329	94
Percent Difference[3]	0.7%	-1.0%	-3.0%	-4.3%	-2.8%	-4.4%	-1.2%	-0.4%	3.2%	10.2%	7.2%	1.0%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,387	18,519	25,088	84,405	95,517	78,395	54,269	40,411	23,163	11,329	5,031	19,685
Alternative D	8,220	18,339	23,721	82,595	94,313	77,087	53,969	40,201	23,818	12,300	5,268	19,572
Difference	-167	-180	-1,367	-1,810	-1,204	-1,308	-300	-209	655	971	237	-113
Percent Difference	-2.0%	-1.0%	-5.4%	-2.1%	-1.3%	-1.7%	-0.6%	-0.5%	2.8%	8.6%	4.7%	-0.6%
Above Normal (15%)												
No Action Alternative	5,945	13,441	19,382	47,552	60,411	52,963	31,605	23,647	11,872	9,611	4,000	11,732
Alternative D	5,958	13,172	18,214	44,774	58,014	50,378	30,735	23,510	12,297	10,786	4,250	11,693
Difference	13	-270	-1,168	-2,778	-2,397	-2,585	-870	-137	425	1,175	250	-39
Percent Difference	0.2%	-2.0%	-6.0%	-5.8%	-4.0%	-4.9%	-2.8%	-0.6%	3.6%	12.2%	6.2%	-0.3%
Below Normal (17%)												
No Action Alternative	5,694	9,690	26,481	22,181	35,426	22,962	21,469	15,813	8,200	7,446	4,011	3,330
Alternative D	5,895	10,071	26,404	19,935	34,286	20,558	20,938	15,626	8,654	8,367	4,524	3,778
Difference	200	381	-77	-2,246	-1,140	-2,405	-531	-187	454	921	513	448
Percent Difference	3.5%	3.9%	-0.3%	-10.1%	-3.2%	-10.5%	-2.5%	-1.2%	5.5%	12.4%	12.8%	13.4%
Dry (22%)												
No Action Alternative	4,164	6,822	23,161	14,784	20,810	19,584	14,060	10,203	6,788	5,221	4,879	3,172
Alternative D	4,259	6,745	22,942	13,526	19,278	16,831	13,784	10,326	7,002	5,965	5,391	3,437
Difference	95	-77	-219	-1,258	-1,532	-2,753	-276	123	214	744	512	265
Percent Difference	2.3%	-1.1%	-0.9%	-8.5%	-7.4%	-14.1%	-2.0%	1.2%	3.2%	14.2%	10.5%	8.3%
Critical (15%)												
No Action Alternative	3,497	4,672	7,170	12,128	13,050	11,686	8,904	5,927	5,318	4,316	4,489	3,008
Alternative D	3,745	4,215	7,307	10,776	11,640	11,189	8,954	5,943	5,428	4,480	4,609	3,015
Difference	248	-457	137	-1,351	-1,409	-497	50	16	109	163	120	7
Percent Difference	7.1%	-9.8%	1.9%	-11.1%	-10.8%	-4.2%	0.6%	0.3%	2.1%	3.8%	2.7%	0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-33-9b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

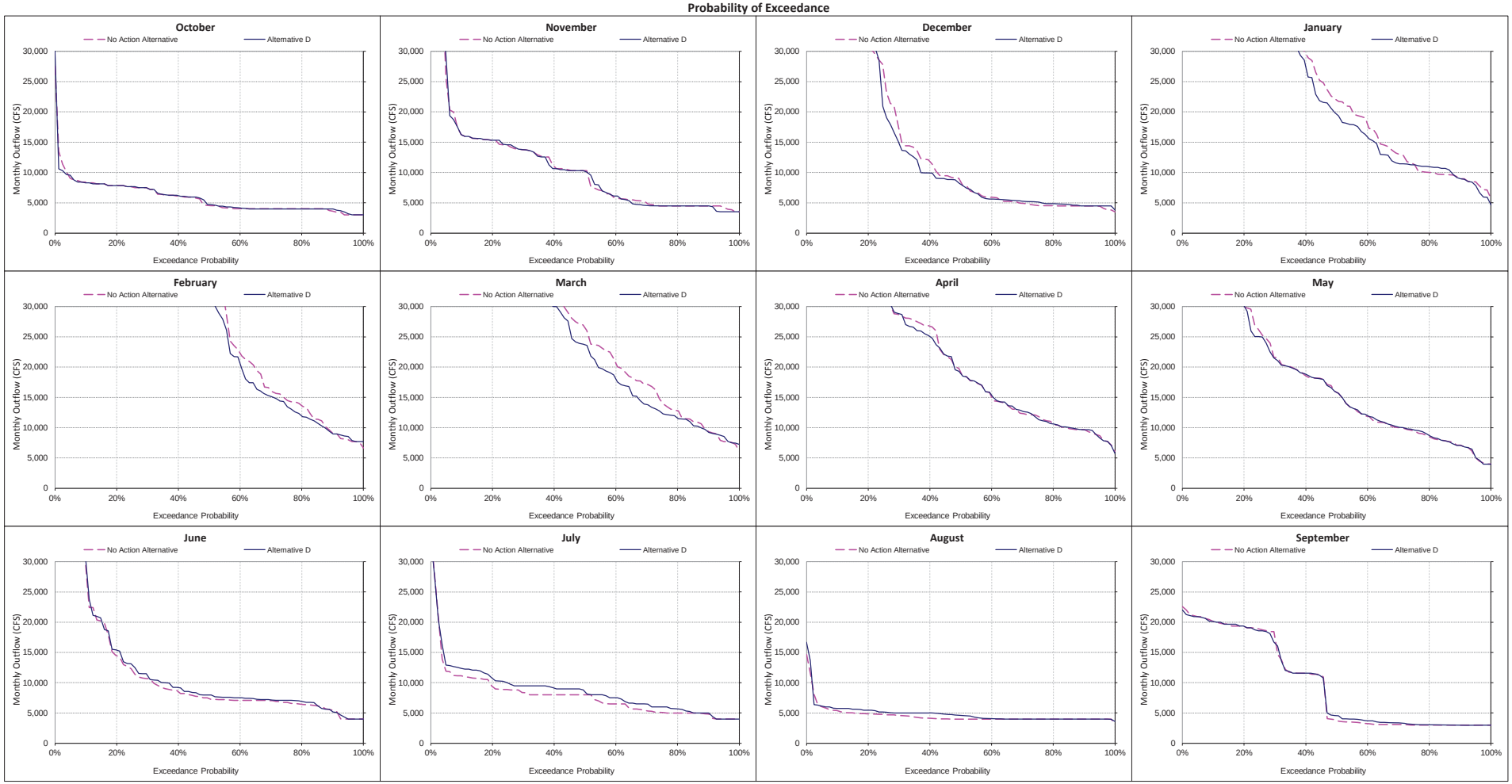

Table SW-33-9b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	27,572	30,154	2,583	9.4%
1.2%	13,476	10,586	-2,889	-21.4%
2.5%	11,406	10,313	-1,094	-9.6%
3.7%	10,134	9,688	-446	-4.4%
4.9%	9,063	9,550	487	5.4%
6.2%	8,750	8,750	0	0.0%
7.4%	8,677	8,438	-239	-2.8%
8.6%	8,438	8,438	0	0.0%
9.9%	8,438	8,281	-156	-1.9%
11.1%	8,281	8,281	0	0.0%
12.3%	8,281	8,125	-156	-1.9%
13.6%	8,125	8,125	0	0.0%
14.8%	8,125	8,125	0	0.0%
16.0%	8,125	8,125	0	0.0%
17.3%	7,813	7,813	0	0.0%
18.5%	7,813	7,813	0	0.0%
19.8%	7,813	7,813	0	0.0%
21.0%	7,813	7,813	0	0.0%
22.2%	7,813	7,813	0	0.0%
23.5%	7,656	7,656	0	0.0%
24.7%	7,656	7,656	0	0.0%
25.9%	7,500	7,656	156	2.1%
27.2%	7,500	7,500	0	0.0%
28.4%	7,500	7,500	0	0.0%
29.6%	7,500	7,500	0	0.0%
30.9%	7,188	7,188	0	0.0%
32.1%	7,188	7,188	0	0.0%
33.3%	6,406	6,563	156	2.4%
34.6%	6,406	6,406	0	0.0%
35.8%	6,250	6,321	71	1.1%
37.0%	6,250	6,250	0	0.0%
38.3%	6,250	6,250	0	0.0%
39.5%	6,094	6,250	156	2.6%
40.7%	6,094	6,094	0	0.0%
42.0%	5,938	6,094	156	2.6%
43.2%	5,938	5,938	0	0.0%
44.4%	5,938	5,938	0	0.0%
45.7%	5,781	5,938	156	2.7%
46.9%	5,643	5,781	138	2.5%
48.1%	4,699	5,470	771	16.4%
49.4%	4,569	4,748	179	3.9%
50.6%	4,542	4,698	156	3.4%
51.9%	4,502	4,608	106	2.4%
53.1%	4,438	4,449	11	0.2%
54.3%	4,167	4,421	254	6.1%
55.6%	4,148	4,301	153	3.7%
56.8%	4,089	4,298	210	5.1%
58.0%	4,032	4,224	192	4.8%
59.3%	4,000	4,178	178	4.4%
60.5%	4,000	4,086	86	2.1%
61.7%	4,000	4,060	60	1.5%
63.0%	4,000	4,000	0	0.0%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	3,724	4,000	276	7.4%
90.1%	3,612	4,000	388	10.7%
91.4%	3,450	3,766	315	9.1%
92.6%	3,449	3,695	246	7.1%
93.8%	3,000	3,487	487	16.2%
95.1%	3,000	3,172	172	5.7%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	79,160	78,677	-484	-0.6%
1.2%	51,638	48,309	-3,329	-6.4%
2.5%	47,407	46,379	-1,028	-2.2%
3.7%	41,509	39,652	-1,857	-4.5%
4.9%	25,579	29,369	3,790	14.8%
6.2%	20,304	19,382	-922	-4.5%
7.4%	19,987	18,734	-1,252	-6.3%
8.6%	17,477	17,537	61	0.3%
9.9%	16,250	16,250	0	0.0%
11.1%	15,938	15,938	0	0.0%
12.3%	15,938	15,938	0	0.0%
13.6%	15,625	15,659	34	0.2%
14.8%	15,625	15,625	0	0.0%
16.0%	15,469	15,625	156	1.0%
17.3%	15,469	15,469	0	0.0%
18.5%	15,398	15,398	0	0.0%
19.8%	15,313	15,313	0	0.0%
21.0%	15,313	15,313	0	0.0%
22.2%	14,641	15,313	672	4.6%
23.5%	14,591	14,641	50	0.3%
24.7%	14,573	14,591	18	0.1%
25.9%	14,198	14,573	375	2.6%
27.2%	13,935	14,198	262	1.9%
28.4%	13,849	13,849	0	0.0%
29.6%	13,789	13,789	0	0.0%
30.9%	13,733	13,733	0	0.0%
32.1%	13,616	13,616	0	0.0%
33.3%	13,371	13,371	0	0.0%
34.6%	12,926	12,707	-219	-1.7%
35.8%	12,707	12,570	-137	-1.1%
37.0%	12,570	12,549	-22	-0.2%
38.3%	12,549	11,250	-1,299	-10.3%
39.5%	11,250	10,625	-625	-5.6%
40.7%	10,625	10,625	0	0.0%
42.0%	10,625	10,469	-156	-1.5%
43.2%	10,625	10,469	-156	-1.5%
44.4%	10,469	10,313	-156	-1.5%
45.7%	10,313	10,313	0	0.0%
46.9%	10,313	10,313	0	0.0%
48.1%	10,313	10,313	0	0.0%
49.4%	10,313	10,313	0	0.0%
50.6%	10,313	10,046	-266	-2.6%
51.9%	7,617	9,550	1,934	25.4%
53.1%	7,403	8,060	657	8.9%
54.3%	7,115	7,962	847	11.9%
55.6%	7,007	6,963	-44	-0.6%
56.8%	6,506	6,705	200	3.1%
58.0%	6,500	6,414	-86	-1.3%
59.3%	5,917	6,109	193	3.3%
60.5%	5,735	6,103	368	6.4%
61.7%	5,656	5,630	-26	-0.5%
63.0%	5,622	5,525	-97	-1.7%
64.2%	5,504	5,361	-143	-2.6%
65.4%	5,478	4,832	-646	-11.8%
66.7%	5,373	4,750	-623	-11.6%
67.9%	5,337	4,676	-660	-12.4%
69.1%	5,271	4,581	-690	-13.1%
70.4%	4,798	4,528	-270	-5.6%
71.6%	4,698	4,520	-178	-3.8%
72.8%	4,661	4,500	-160	-3.4%
74.1%	4,500	4,500	0	0.0%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,500	0	0.0%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,351	-149	-3.3%
92.6%	4,500	3,616	-884	-19.7%
93.8%	4,500	3,517	-983	-21.9%
95.1%	4,189	3,500	-689	-16.5%
96.3%	3,954	3,500	-454	-11.5%
97.5%	3,863	3,500	-363	-9.4%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	156,667	156,706	39	0.0%
1.2%	99,310	94,907	-4,403	-4.4%
2.5%	90,880	91,049	169	0.2%
3.7%	88,261	82,821	-5,440	-6.2%
4.9%	82,120	82,395	275	0.3%
6.2%	80,995	82,020	1,024	1.3%
7.4%	78,558	77,747	-812	-1.0%
8.6%	68,492	67,555	-938	-1.4%
9.9%	65,165	67,458	2,294	3.5%
11.1%	65,147	64,231	-916	-1.4%
12.3%	50,599	49,237	-1,361	-2.7%
13.6%	49,786	42,065	-7,721	-15.5%
14.8%	46,245	41,195	-5,050	-10.9%
16.0%	36,990	39,578	2,587	7.0%
17.3%	36,840	37,357	517	1.4%
18.5%	34,950	34,640	-309	-0.9%
19.8%	34,171	33,807	-364	-1.1%
21.0%	30,379	31,040	661	2.2%
22.2%	29,582	30,570	988	3.3%
23.5%	28,620	28,518	-102	-0.4%
24.7%	27,838	20,920	-6,918	-24.9%
25.9%	23,241	19,034	-4,206	-18.1%
27.2%	21,428	17,926	-3,502	-16.3%
28.4%	20,927	16,534	-4,393	-21.0%
29.6%	18,008	15,206	-2,802	-15.6%
30.9%	14,976	13,656	-1,320	-8.8%
32.1%	14,399	13,552	-847	-5.9%
33.3%	14,390	13,034	-1,356	-9.4%
34.6%	14,179	12,607	-1,573	-11.1%
35.8%	13,672	12,061	-1,611	-11.8%
37.0%	12,332	9,982	-2,350	-19.1%
38.3%	12,191	9,935	-2,256	-18.5%
39.5%	12,106	9,915	-2,190	-18.1%
40.7%	11,411	9,896	-1,515	-13.3%
42.0%	10,209	9,048	-1,160	-11.4%
43.2%	9,501	9,014	-487	-5.1%
44.4%	9,474	8,988	-485	-5.1%
45.7%	9,472	8,835	-637	-6.7%
46.9%	9,211	8,823	-388	-4.2%
48.1%	9,049	8,806	-243	-2.7%
49.4%	9,029	8,269	-760	-8.4%
50.6%	7,899	7,854	-45	-0.6%
51.9%	7,815	7,407	-408	-5.2%
53.1%	6,960	7,209	248	3.6%
54.3%	6,729	6,683	-47	-0.7%
55.6%	6,644	6,446	-197	-3.0%
56.8%	6,175	5,900	-276	-4.5%
58.0%	5,945	5,714	-231	-3.9%
59.3%	5,913	5,631	-282	-4.8%
60.5%	5,908	5,611	-296	-5.0%
61.7%	5,840	5,571	-269	-4.6%
63.0%	5,339	5,559	220	4.1%
64.2%	5,245	5,487	241	4.6%
65.4%	5,223	5,463	240	4.6%
66.7%	5,174	5,410	237	4.6%
67.9%	5,168	5,349	182	3.5%
69.1%	4,941	5,327	386	7.8%
70.4%	4,881	5,243	362	7.4%
71.6%	4,823	5,215	392	8.1%
72.8%	4,708	5,180	472	10.0%
74.1%	4,604	5,159	555	12.1%
75.3%	4,533	5,124	591	13.0%
76.5%	4,528	4,958	430	9.5%
77.8%	4,524	4,856	332	7.3%
79.0%	4,524	4,855	331	7.3%
80.2%	4,524	4,848	324	7.2%
81.5%	4,500	4,798	298	6.6%
82.7%	4,500	4,794	294	6.5%
84.0%	4,500	4,772	272	6.0%
85.2%	4,500	4,703	203	4.5%
86.4%	4,500	4,611	111	2.5%
87.7%	4,500	4,595	95	2.1%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,448	4,500	52	1.2%
96.3%	4,074	4,500	426	10.5%
97.5%	3,841	4,500	659	17.1%
98.8%	3,802	4,500	698	18.4%
100.0%	3,500	3,833	333	9.5%

January				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	278,477	274,043	-4,433	-1.6%
1.2%	207,678	206,061	-1,617	-0.8%
2.5%	161,561	157,319	-4,243	-2.6%
3.7%	131,751	131,775	25	0.0%
4.9%	124,362	120,421	-3,941	-3.2%
6.2%	113,561	111,994	-1,567	-1.4%
7.4%	110,192	109,140	-1,051	-1.0%
8.6%	108,113	106,556	-1,557	-1.4%
9.9%	106,869	102,199	-4,670	-4.4%
11.1%	97,405	99,007	1,602	1.6%
12.3%	97,243	93,837	-3,405	-3.5%
13.6%	83,163	78,836	-4,327	-5.2%
14.8%	82,120	77,949	-4,171	-5.1%
16.0%	78,556	77,254	-1,302	-1.7%
17.3%	78,263	74,779	-3,483	-4.5%
18.5%	75,194	71,085	-4,109	-5.5%
19.8%	67,171	63,625	-3,546	-5.3%
21.0%	65,620	63,588	-2,032	-3.1%
22.2%	63,550	62,401	-1,150	-1.8%
23.5%	63,331	60,098	-3,233	-5.1%
24.7%	60,029	57,196	-2,833	-4.7%
25.9%	51,508	48,493	-3,015	-5.9%
27.2%	48,416	45,618	-2,798	-5.8%
28.4%	47,924	43,729	-4,194	-8.8%
29.6%	47,875	43,670	-4,205	-8.8%
30.9%	47,572	42,098	-5,474	-11.5%
32.1%	46,453	40,099	-6,354	-13.7%
33.3%	41,558	39,737	-1,821	-4.4%
34.6%	40,095	39,178	-917	-2.3%
35.8%	39,337	37,271	-2,066	-5.3%
37.0%	34,516	30,636	-3,880	-11.2%
38.3%	32,155	29,317	-2,838	-8.8%
39.5%	29,977	28,582	-1,395	-4.7%
40.7%	28,938	25,778	-3,159	-10.9%
42.0%	28,470	25,679	-2,791	-9.8%
43.2%	26,524	22,906	-3,618	-13.6%
44.4%	25,227	21,849	-3,378	-13.4%
45.7%	24,807	21,574	-3,234	-13.0%
46.9%	23,662	21,505	-2,157	-9.1%
48.1%	22,667	20,645	-2,022	-8.9%
49.4%	22,147	19,879	-2,268	-10.2%
50.6%	21,722	19,362	-2,360	-10.9%
51.9%	21,644	18,262	-3,382	-15.6%
53.1%	21,000	18,135	-2,865	-13.6%
54.3%	20,911	17,918	-2,993	-14.3%
55.6%	19,619	17,889	-1,730	-8.8%
56.8%	19,390	17,603	-1,786	-9.2%
58.0%	19,242	16,742	-2,500	-13.0%
59.3%	19,012	16,276	-2,737	-14.4%
60.5%	17,245	15,573	-1,672	-9.7%
61.7%	17,201	15,249	-1,952	-11.3%
63.0%	16,275	14,776	-1,499	-9.2%
64.2%	14,692	12,993	-1,699	-11.6%
65.4%	14,535	12,962	-1,573	-10.8%
66.7%	14,263	12,861	-1,402	-9.8%
67.9%	13,712	11,954	-1,758	-12.8%
69.1%	13,214	11,582	-1,632	-12.3%
70.4%	12,992	11,452	-1,539	-11.8%
71.6%	12,797	11,430	-1,367	-10.7%
72.8%	11,772	11,390	-383	-3.3%
74.1%	11,663	11,264	-398	-3.4%
75.3%	11,277	11,262	-15	-0.1%
76.5%	10,143	11,080	937	9.2%
77.8%	10,133	11,032	899	8.9%
79.0%	10,054	11,024	971	9.7%
80.2%	10,018	10,937	919	9.2%
81.5%	9,994	10,856	863	8.6%
82.7%	9,728	10,856	1,128	11.6%
84.0%	9,667	10,694	1,026	10.6%
85.2%	9,658	10,688	1,029	10.7%
86.4%	9,652	10,440	788	8.2%
87.7%	9,584	9,727	144	1.5%
88.9%	9,322	9,189	-133	-1.4%
90.1%	8,975	8,983	8	0.1%
91.4%	8,945	8,885	-60	-0.7%
92.6%	8,547	8,492	-55	-0.6%
93.8%	8,478	8,415	-63	-0.7%
95.1%	8,478	7,822	-656	-7.7%
96.3%	7,772	6,648	-1,124	-14.5%
97.5%	7,157	5,969	-1,188	-16.6%
98.8%	7,101	5,908	-1,192	-16.8%
100.0%	5,704	4,640	-1,064	-18.7%

Table SW-33-9b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	220,790	222,828	2,037	0.9%
1.2%	213,943	215,654	1,711	0.8%
2.5%	180,024	179,613	-411	-0.2%
3.7%	153,109	151,340	-1,769	-1.2%
4.9%	146,544	140,967	-5,577	-3.8%
6.2%	136,522	136,985	463	0.3%
7.4%	136,092	136,546	455	0.3%
8.6%	136,054	130,714	-5,340	-3.9%
9.9%	122,489	128,535	6,046	4.9%
11.1%	121,900	121,905	5	0.0%
12.3%	118,544	113,641	-4,903	-4.1%
13.6%	108,403	105,096	-3,306	-3.0%
14.8%	101,716	100,185	-1,531	-1.5%
16.0%	92,435	92,444	9	0.0%
17.3%	88,770	87,192	-1,578	-1.8%
18.5%	84,099	81,002	-3,098	-3.7%
19.8%	76,648	77,173	525	0.7%
21.0%	75,992	75,430	-562	-0.7%
22.2%	75,436	73,177	-2,259	-3.0%
23.5%	74,112	72,686	-1,426	-1.9%
24.7%	72,055	70,932	-1,123	-1.6%
25.9%	70,630	68,076	-2,554	-3.6%
27.2%	69,602	65,246	-4,356	-6.3%
28.4%	63,558	63,252	-306	-0.5%
29.6%	59,244	56,197	-3,048	-5.1%
30.9%	55,962	54,861	-1,101	-2.0%
32.1%	55,476	54,802	-674	-1.2%
33.3%	54,806	54,407	-399	-0.7%
34.6%	52,776	51,921	-854	-1.6%
35.8%	52,676	51,739	-937	-1.8%
37.0%	52,268	49,661	-2,607	-5.0%
38.3%	52,158	48,406	-3,752	-7.2%
39.5%	50,940	47,907	-3,033	-6.0%
40.7%	49,197	47,117	-2,080	-4.2%
42.0%	48,227	44,430	-3,797	-7.9%
43.2%	46,038	43,077	-2,961	-6.4%
44.4%	44,620	40,867	-3,754	-8.4%
45.7%	38,653	38,675	23	0.1%
46.9%	38,431	37,010	-1,421	-3.7%
48.1%	36,513	34,438	-2,075	-5.7%
49.4%	35,577	31,564	-4,012	-11.3%
50.6%	33,653	31,196	-2,456	-7.3%
51.9%	33,260	30,083	-3,177	-9.6%
53.1%	33,222	28,895	-4,328	-13.0%
54.3%	32,900	27,955	-4,945	-15.0%
55.6%	28,595	26,133	-2,463	-8.6%
56.8%	24,308	22,226	-2,082	-8.6%
58.0%	23,538	21,733	-1,804	-7.7%
59.3%	22,900	21,692	-1,208	-5.3%
60.5%	21,843	19,759	-2,085	-9.5%
61.7%	21,264	18,059	-3,205	-15.1%
63.0%	20,917	17,441	-3,477	-16.6%
64.2%	20,408	17,422	-2,985	-14.6%
65.4%	19,433	16,321	-3,111	-16.0%
66.7%	18,826	16,060	-2,766	-14.7%
67.9%	16,689	15,602	-1,087	-6.5%
69.1%	16,624	15,304	-1,321	-7.9%
70.4%	15,932	15,132	-801	-5.0%
71.6%	15,652	14,768	-884	-5.6%
72.8%	15,576	14,412	-1,163	-7.5%
74.1%	15,036	14,312	-723	-4.8%
75.3%	14,500	13,450	-1,050	-7.2%
76.5%	14,295	13,048	-1,248	-8.7%
77.8%	14,284	12,620	-1,665	-11.7%
79.0%	14,024	12,343	-1,681	-12.0%
80.2%	13,526	11,791	-1,734	-12.8%
81.5%	13,326	11,748	-1,578	-11.8%
82.7%	12,298	11,400	-898	-7.3%
84.0%	11,435	11,145	-290	-2.5%
85.2%	11,400	10,741	-659	-5.8%
86.4%	11,145	10,313	-832	-7.5%
87.7%	10,167	9,911	-256	-2.5%
88.9%	9,613	9,425	-187	-1.9%
90.1%	9,063	8,954	-108	-1.2%
91.4%	8,980	8,945	-35	-0.4%
92.6%	8,193	8,783	590	7.2%
93.8%	8,117	8,636	518	6.4%
95.1%	7,990	8,562	573	7.2%
96.3%	7,714	7,873	159	2.1%
97.5%	7,682	7,716	34	0.4%
98.8%	7,528	7,714	186	2.5%
100.0%	6,643	7,699	1,056	15.9%

March				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	258,964	258,948	-16	0.0%
1.2%	212,300	207,003	-5,296	-2.5%
2.5%	167,229	166,027	-1,202	-0.7%
3.7%	146,256	142,204	-4,052	-2.8%
4.9%	116,437	117,355	918	0.8%
6.2%	110,246	107,318	-2,928	-2.7%
7.4%	107,301	103,199	-4,103	-3.8%
8.6%	88,721	87,851	-871	-1.0%
9.9%	86,200	86,151	-49	-0.1%
11.1%	84,411	83,717	-693	-0.8%
12.3%	83,841	83,671	-170	-0.2%
13.6%	82,221	80,155	-2,067	-2.5%
14.8%	81,391	79,705	-1,686	-2.1%
16.0%	69,601	68,137	-1,463	-2.1%
17.3%	68,217	63,233	-4,984	-7.3%
18.5%	65,391	63,177	-2,214	-3.4%
19.8%	62,911	61,674	-1,237	-2.0%
21.0%	62,760	61,616	-1,144	-1.8%
22.2%	61,763	61,344	-419	-0.7%
23.5%	59,761	59,767	7	0.0%
24.7%	58,544	56,869	-1,676	-2.9%
25.9%	54,944	54,956	12	0.0%
27.2%	49,063	46,618	-2,445	-5.0%
28.4%	47,274	43,585	-3,688	-7.8%
29.6%	46,510	42,916	-3,594	-7.7%
30.9%	44,524	38,786	-5,738	-12.9%
32.1%	41,444	38,314	-3,131	-7.6%
33.3%	41,384	36,322	-5,063	-12.2%
34.6%	38,442	36,147	-2,295	-6.0%
35.8%	37,026	35,582	-1,443	-3.9%
37.0%	36,041	34,476	-1,565	-4.3%
38.3%	34,605	33,495	-1,110	-3.2%
39.5%	33,983	30,023	-3,960	-11.7%
40.7%	33,541	29,990	-3,551	-10.6%
42.0%	31,367	29,121	-2,246	-7.2%
43.2%	29,997	28,142	-1,854	-6.2%
44.4%	29,079	27,617	-1,463	-5.0%
45.7%	28,118	24,708	-3,410	-12.1%
46.9%	27,508	24,169	-3,338	-12.1%
48.1%	27,115	23,933	-3,182	-11.7%
49.4%	26,956	23,772	-3,184	-11.8%
50.6%	26,039	23,568	-2,471	-9.5%
51.9%	23,804	21,810	-1,994	-8.4%
53.1%	23,722	21,218	-2,503	-10.6%
54.3%	23,570	19,936	-3,634	-15.4%
55.6%	23,125	19,724	-3,401	-14.7%
56.8%	22,712	19,341	-3,371	-14.8%
58.0%	22,469	19,108	-3,362	-15.0%
59.3%	21,410	18,735	-2,674	-12.5%
60.5%	20,045	17,560	-2,485	-12.4%
61.7%	19,822	17,101	-2,721	-13.7%
63.0%	19,164	16,903	-2,261	-11.8%
64.2%	18,519	16,783	-1,736	-9.4%
65.4%	18,219	15,264	-2,955	-16.2%
66.7%	17,749	15,187	-2,562	-14.4%
67.9%	17,698	14,442	-3,256	-18.4%
69.1%	17,148	13,910	-3,237	-18.9%
70.4%	17,124	13,769	-3,355	-19.6%
71.6%	16,796	13,371	-3,425	-20.4%
72.8%	16,244	13,120	-3,124	-19.2%
74.1%	14,759	12,758	-2,001	-13.6%
75.3%	13,923	12,282	-1,640	-11.8%
76.5%	13,495	12,162	-1,333	-9.9%
77.8%	13,051	12,049	-1,001	-7.7%
79.0%	12,881	11,965	-916	-7.1%
80.2%	12,758	11,457	-1,301	-10.2%
81.5%	11,533	11,444	-89	-0.8%
82.7%	11,482	11,400	-82	-0.7%
84.0%	11,432	11,018	-414	-3.6%
85.2%	10,987	10,323	-664	-6.0%
86.4%	10,925	10,265	-660	-6.0%
87.7%	10,625	9,976	-649	-6.1%
88.9%	9,740	9,729	-11	-0.1%
90.1%	9,347	9,207	-140	-1.5%
91.4%	9,129	9,047	-82	-0.9%
92.6%	9,013	8,921	-92	-1.0%
93.8%	7,911	8,736	825	10.4%
95.1%	7,704	8,528	824	10.7%
96.3%	7,684	7,750	67	0.9%
97.5%	7,581	7,479	-102	-1.3%
98.8%	7,239	7,468	229	3.2%
100.0%	6,088	7,239	1,150	18.9%

April				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	139,382	139,346	-36	0.0%
1.2%	103,201	103,165	-35	0.0%
2.5%	96,762	97,459	697	0.7%
3.7%	87,679	87,652	-27	0.0%
4.9%	77,856	77,813	-43	-0.1%
6.2%	77,480	77,451	-29	0.0%
7.4%	74,402	74,351	-50	-0.1%
8.6%	71,387	68,759	-2,628	-3.7%
9.9%	68,743	68,529	-214	-0.3%
11.1%	68,129	65,361	-2,768	-4.1%
12.3%	63,524	63,365	-159	-0.3%
13.6%	59,927	59,928	1	0.0%
14.8%	57,577	57,562	-16	0.0%
16.0%	54,611	54,597	-14	0.0%
17.3%	54,473	51,066	-3,407	-6.3%
18.5%	52,436	50,607	-1,829	-3.5%
19.8%	49,554	46,202	-3,352	-6.8%
21.0%	47,592	45,616	-1,976	-4.2%
22.2%	45,501	44,482	-1,020	-2.2%
23.5%	43,208	43,184	-24	-0.1%
24.7%	39,179	36,642	-2,537	-6.5%
25.9%	33,186	33,132	-55	-0.2%
27.2%	30,246	30,360	114	0.4%
28.4%	28,791	29,066	275	1.0%
29.6%	28,733	28,860	126	0.4%
30.9%	28,422	28,700	278	1.0%
32.1%	28,088	27,012	-1,076	-3.8%
33.3%	28,054	26,716	-1,338	-4.8%
34.6%	27,807	26,613	-1,194	-4.3%
35.8%	27,521	26,026	-1,496	-5.4%
37.0%	27,205	25,970	-1,235	-4.5%
38.3%	26,858	25,518	-1,341	-5.0%
39.5%	26,826	25,217	-1,609	-6.0%
40.7%	26,622	24,747	-1,875	-7.0%
42.0%	26,011	23,693	-2,317	-8.9%
43.2%	22,930	23,102	172	0.7%
44.4%	22,122	22,177	55	0.2%
45.7%	21,737	21,832	95	0.4%
46.9%	21,263	21,740	477	2.2%
48.1%	20,047	19,542	-505	-2.5%
49.4%	19,794	19,305	-489	-2.5%
50.6%	18,510	18,516	6	0.0%
51.9%	18,416	18,394	-22	-0.1%
53.1%	17,733	17,799	65	0.4%
54.3%	17,712	17,715	3	0.0%
55.6%	17,311	17,327	16	0.1%
56.8%	17,004	17,010	7	0.0%
58.0%	15,941	15,918	-23	-0.1%
59.3%	15,817	15,856	39	0.2%
60.5%	14,448	14,978	529	3.7%
61.7%	14,341	14,435	93	0.7%
63.0%	14,249	14,256	8	0.1%
64.2%	14,048	14,245	198	1.4%
65.4%	13,568	13,612	44	0.3%
66.7%	13,081	13,584	502	3.8%
67.9%	13,024	13,047	22	0.2%
69.1%	12,406	12,913	507	4.1%
70.4%	12,305	12,630	325	2.6%
71.6%	12,130	12,568	438	3.6%
72.8%	12,125	12,328	203	1.7%
74.1%	12,080	11,821	-260	-2.1%
75.3%	11,789	11,321	-469	-4.0%
76.5%	11,332	11,153	-179	-1.6%
77.8%	11,153	11,036	-117	-1.0%
79.0%	11,056	10,661	-395	-3.6%
80.2%	10,446	10,612	167	1.6%
81.5%	10,437	10,443	6	0.1%
82.7%	10,069	10,156	88	0.9%
84.0%	10,043	10,146	103	1.0%
85.2%	9,844	9,992	148	1.5%
86.4%	9,770	9,911	141	1.4%
87.7%	9,673	9,742	69	0.7%
88.9%	9,673	9,673	0	0.0%
90.1%	9,660	9,673	14	0.1%
91.4%	9,319	9,673	355	3.8%
92.6%	9,123	9,550	427	4.7%
93.8%	8,860	8,872	12	0.1%
95.1%	8,657	8,290	-367	-4.2%
96.3%	7,817	7,817	0	0.0%
97.5%	7,740	7,733	-7	-0.1%
98.8%	7,100	7,100	0	0.0%
100.0%	6,087	5,729	-358	-5.9%

May				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	83,962	81,093	-2,870	-3.4%
1.2%	76,777	76,692	-86	-0.1%
2.5%	74,598	74,446	-152	-0.2%
3.7%	66,906	66,734	-172	-0.3%
4.9%	61,505	61,141	-364	-0.6%
6.2%	59,846	59,679	-166	-0.3%
7.4%	56,600	56,441	-158	-0.3%
8.6%	55,971	55,550	-421	-0.8%
9.9%	53,804	53,757	-47	-0.1%
11.1%	49,128	49,017	-111	-0.2%
12.3%	47,312	48,314	1,001	2.1%
13.6%	46,897	47,195	298	0.6%
14.8%	44,439	44,235	-204	-0.5%
16.0%	40,615	43,348	2,733	6.7%
17.3%	40,336	40,327	-9	0.0%
18.5%	31,436	31,432	-4	0.0%
19.8%	29,998	30,339	341	1.1%
21.0%	29,777	29,203	-574	-1.9%
22.2%	29,545	25,968	-3,577	-12.1%
23.5%	27,023	25,048	-1,975	-7.3%
24.7%	26,216	25,046	-1,170	-4.5%
25.9%	25,290	24,966	-324	-1.3%
27.2%	24,736	23,962	-774	-3.1%
28.4%	23,947	22,547	-1,400	-5.8%
29.6%	21,614	21,533	-82	-0.4%
30.9%	21,602	21,050	-552	-2.6%
32.1%	20,427	20,294	-133	-0.7%
33.3%	20,245	20,246	1	0.0%
34.6%	20,149	20,047	-102	-0.5%
35.8%	19,872	19,817	-55	-0.3%
37.0%	19,573	19,578	5	0.0%
38.3%	19,323	19,041	-283	-1.5%
39.5%	18,729	18,941	211	1.1%
40.7%	18,326	18,631	305	1.7%
42.0%	18,203	18,308	104	0.6%
43.2%	18,181	18,172	-8	0.0%
44.4%	18,168	18,098	-70	-0.4%
45.7%	17,982	17,984	3	0.0%
46.9%	17,144	16,958	-186	-1.1%
48.1%	16,950	16,647	-304	-1.8%
49.4%	15,986	16,004	18	0.1%
50.6%	15,655	15,659	4	0.0%
51.9%	14,857	14,945	88	0.6%
53.1%	13,970	13,976	6	0.0%
54.3%	13,418	13,427	9	0.1%
55.6%	13,276	13,168	-109	-0.8%
56.8%	12,662	12,932	270	2.1%
58.0%	12,325	12,281	-44	-0.4%
59.3%	11,937	12,214	277	2.3%
60.5%	11,863	11,863	-1	0.0%
61.7%	11,241	11,729	489	4.3%
63.0%	10,926	11,318	392	3.6%
64.2%	10,874	11,063	189	1.7%
65.4%	10,861	10,873	12	0.1%
66.7%	10,452	10,579	127	1.2%
67.9%	10,220	10,433	213	2.1%
69.1%	10,054	10,221	167	1.7%
70.4%	9,987	10,055	68	0.7%
71.6%	9,905	9,993	88	0.9%
72.8%	9,722	9,797	76	0.8%
74.1%	9,590	9,779	189	2.0%
75.3%	9,412	9,583	171	1.8%
76.5%	9,092	9,503	411	4.5%
77.8%	9,007	9,329	323	3.6%
79.0%	8,735	9,013	278	3.2%
80.2%	8,476	8,631	155	1.8%
81.5%	8,159	8,342	183	2.2%
82.7%	8,034	8,192	158	2.0%
84.0%	7,936	7,925	-11	-0.1%
85.2%	7,820	7,817	-2	0.0%
86.4%	7,683	7,656	-27	-0.4%
87.7%	7,656	7,320	-336	-4.4%
88.9%	7,100	7,100	0	0.0%
90.1%	7,100	7,100	0	0.0%
91.4%	6,875	6,817	-58	-0.8%
92.6%	6,740	6,719	-21	-0.3%
93.8%	6,144	6,436	292	4.8%
95.1%	5,036	5,048	12	0.2%
96.3%	4,466	4,628	162	3.6%
97.5%	4,188	4,000	-188	-4.5%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-9b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	73,319	72,941	-378	-0.5%
1.2%	70,117	70,019	-97	-0.1%
2.5%	41,798	42,706	908	2.2%
3.7%	40,147	41,139	992	2.5%
4.9%	39,141	39,651	510	1.3%
6.2%	37,252	39,522	2,270	6.1%
7.4%	37,069	37,537	467	1.3%
8.6%	34,636	35,016	380	1.1%
9.9%	29,942	30,995	1,053	3.5%
11.1%	22,442	23,785	1,343	6.0%
12.3%	22,428	21,119	-1,309	-5.8%
13.6%	20,382	20,966	583	2.9%
14.8%	20,208	20,710	502	2.5%
16.0%	19,846	18,791	-1,056	-5.3%
17.3%	17,908	18,565	657	3.7%
18.5%	15,120	15,527	407	2.7%
19.8%	14,508	15,450	942	6.5%
21.0%	14,242	15,219	977	6.9%
22.2%	12,985	13,453	468	3.6%
23.5%	12,688	13,183	495	3.9%
24.7%	12,342	13,113	771	6.2%
25.9%	11,382	12,516	1,134	10.0%
27.2%	10,931	11,535	604	5.5%
28.4%	10,761	11,493	732	6.8%
29.6%	10,707	11,488	781	7.3%
30.9%	10,633	10,540	-94	-0.9%
32.1%	9,892	10,445	553	5.6%
33.3%	9,550	10,392	841	8.8%
34.6%	9,229	10,028	800	8.7%
35.8%	9,030	10,000	971	10.8%
37.0%	8,883	9,934	1,051	11.8%
38.3%	8,740	9,240	500	5.7%
39.5%	8,709	9,218	510	5.9%
40.7%	8,230	9,154	924	11.2%
42.0%	8,211	8,579	368	4.5%
43.2%	8,056	8,559	503	6.2%
44.4%	7,901	8,390	488	6.2%
45.7%	7,762	8,341	580	7.5%
46.9%	7,700	8,033	333	4.3%
48.1%	7,498	7,988	490	6.5%
49.4%	7,486	7,961	475	6.4%
50.6%	7,243	7,957	714	9.9%
51.9%	7,243	7,691	448	6.2%
53.1%	7,220	7,622	402	5.6%
54.3%	7,206	7,600	394	5.5%
55.6%	7,199	7,600	401	5.6%
56.8%	7,122	7,577	454	6.4%
58.0%	7,100	7,531	431	6.1%
59.3%	7,100	7,526	426	6.0%
60.5%	7,100	7,509	409	5.8%
61.7%	7,100	7,433	333	4.7%
63.0%	7,100	7,433	333	4.7%
64.2%	7,100	7,388	288	4.1%
65.4%	7,100	7,243	143	2.0%
66.7%	7,100	7,219	119	1.7%
67.9%	7,100	7,217	117	1.6%
69.1%	7,026	7,202	176	2.5%
70.4%	7,026	7,119	93	1.3%
71.6%	6,925	7,100	175	2.5%
72.8%	6,869	7,100	231	3.4%
74.1%	6,753	7,100	347	5.1%
75.3%	6,739	7,100	361	5.4%
76.5%	6,563	7,100	537	8.2%
77.8%	6,563	7,047	484	7.4%
79.0%	6,478	7,015	538	8.3%
80.2%	6,422	6,875	453	7.1%
81.5%	6,375	6,755	380	6.0%
82.7%	6,320	6,748	428	6.8%
84.0%	6,246	6,697	451	7.2%
85.2%	6,166	6,180	14	0.2%
86.4%	6,094	5,733	-361	-5.9%
87.7%	5,713	5,635	-79	-1.4%
88.9%	5,556	5,625	69	1.2%
90.1%	5,469	5,156	-313	-5.7%
91.4%	5,213	5,062	-151	-2.9%
92.6%	4,032	4,678	646	16.0%
93.8%	4,000	4,333	333	8.3%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

July				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	34,870	34,053	-817	-2.3%
1.2%	27,872	27,777	-95	-0.3%
2.5%	20,838	20,457	-381	-1.8%
3.7%	13,925	16,333	2,408	17.3%
4.9%	11,907	12,916	1,009	8.5%
6.2%	11,823	12,844	1,021	8.6%
7.4%	11,209	12,683	1,474	13.1%
8.6%	11,163	12,534	1,371	12.3%
9.9%	11,143	12,369	1,226	11.0%
11.1%	10,998	12,254	1,256	11.4%
12.3%	10,897	12,234	1,336	12.3%
13.6%	10,789	12,090	1,301	12.1%
14.8%	10,715	12,084	1,369	12.8%
16.0%	10,700	11,952	1,252	11.7%
17.3%	10,545	11,641	1,096	10.4%
18.5%	10,528	11,411	883	8.4%
19.8%	9,455	10,808	1,352	14.3%
21.0%	8,989	10,307	1,318	14.7%
22.2%	8,924	10,291	1,367	15.3%
23.5%	8,878	10,228	1,349	15.2%
24.7%	8,868	10,039	1,171	13.2%
25.9%	8,815	9,748	932	10.6%
27.2%	8,806	9,500	694	7.9%
28.4%	8,794	9,500	706	8.0%
29.6%	8,367	9,500	1,133	13.5%
30.9%	8,355	9,500	1,145	13.7%
32.1%	8,000	9,500	1,500	18.7%
33.3%	8,000	9,500	1,500	18.7%
34.6%	8,000	9,500	1,500	18.7%
35.8%	8,000	9,500	1,500	18.7%
37.0%	8,000	9,500	1,500	18.7%
38.3%	8,000	9,337	1,337	16.7%
39.5%	8,000	9,179	1,179	14.7%
40.7%	8,000	9,000	1,000	12.5%
42.0%	8,000	9,000	1,000	12.5%
43.2%	8,000	9,000	1,000	12.5%
44.4%	8,000	9,000	1,000	12.5%
45.7%	8,000	9,000	1,000	12.5%
46.9%	8,000	9,000	1,000	12.5%
48.1%	8,000	9,000	1,000	12.5%
49.4%	8,000	8,817	817	10.2%
50.6%	8,000	8,161	161	2.0%
51.9%	8,000	8,000	0	0.0%
53.1%	7,219	8,000	781	10.8%
54.3%	7,014	8,000	986	14.1%
55.6%	6,684	8,000	1,316	19.7%
56.8%	6,539	7,838	1,299	19.9%
58.0%	6,500	7,500	1,000	15.4%
59.3%	6,500	7,500	1,000	15.4%
60.5%	6,500	7,500	1,000	15.4%
61.7%	6,500	7,292	792	12.2%
63.0%	6,500	6,892	392	6.0%
64.2%	5,817	6,640	824	14.2%
65.4%	5,676	6,639	963	17.0%
66.7%	5,658	6,500	842	14.9%
67.9%	5,557	6,500	943	17.0%
69.1%	5,455	6,500	1,045	19.2%
70.4%	5,317	6,476	1,159	21.8%
71.6%	5,265	6,000	735	14.0%
72.8%	5,123	6,000	877	17.1%
74.1%	5,119	6,000	881	17.2%
75.3%	5,085	6,000	915	18.0%
76.5%	5,000	6,000	1,000	20.0%
77.8%	5,000	5,756	756	15.1%
79.0%	5,000	5,711	711	14.2%
80.2%	5,000	5,666	666	13.3%
81.5%	5,000	5,579	579	11.6%
82.7%	5,000	5,346	346	6.9%
84.0%	5,000	5,250	250	5.0%
85.2%	5,000	5,000	0	0.0%
86.4%	5,000	5,000	0	0.0%
87.7%	4,937	5,000	63	1.3%
88.9%	4,874	4,995	121	2.5%
90.1%	4,803	4,983	180	3.7%
91.4%	4,098	4,402	304	7.4%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	14,661	16,706	2,046	14.0%
1.2%	11,565	13,666	2,102	18.2%
2.5%	8,056	6,372	-1,684	-20.9%
3.7%	6,285	6,302	17	0.3%
4.9%	6,041	6,122	80	1.3%
6.2%	5,810	5,985	176	3.0%
7.4%	5,558	5,985	427	7.7%
8.6%	5,451	5,773	322	5.9%
9.9%	5,388	5,772	384	7.1%
11.1%	5,178	5,766	588	11.4%
12.3%	5,083	5,747	664	13.1%
13.6%	5,025	5,733	708	14.1%
14.8%	5,014	5,637	623	12.4%
16.0%	4,941	5,636	695	14.1%
17.3%	4,892	5,594	702	14.4%
18.5%	4,885	5,465	580	11.9%
19.8%	4,878	5,445	567	11.6%
21.0%	4,833	5,443	610	12.6%
22.2%	4,816	5,379	563	11.7%
23.5%	4,761	5,172	410	8.6%
24.7%	4,757	5,164	407	8.6%
25.9%	4,700	5,133	433	9.2%
27.2%	4,699	5,022	323	6.9%
28.4%	4,696	5,000	304	6.5%
29.6%	4,567	5,000	433	9.5%
30.9%	4,556	5,000	444	9.7%
32.1%	4,534	5,000	466	10.3%
33.3%	4,490	5,000	510	11.4%
34.6%	4,355	5,000	645	14.8%
35.8%	4,275	5,000	725	17.0%
37.0%	4,190	5,000	810	19.3%
38.3%	4,166	5,000	834	20.0%
39.5%	4,161	4,986	826	19.8%
40.7%	4,089	4,986	896	21.9%
42.0%	4,073	4,966	893	21.9%
43.2%	4,036	4,919	883	21.9%
44.4%	4,029	4,837	808	20.0%
45.7%	4,011	4,758	747	18.6%
46.9%	4,000	4,736	736	18.4%
48.1%	4,000	4,651	651	16.3%
49.4%	4,000	4,629	629	15.7%
50.6%	4,000	4,593	593	14.8%
51.9%	4,000	4,552	552	13.8%
53.1%	4,000	4,496	496	12.4%
54.3%	4,000	4,320	320	8.0%
55.6%	4,000	4,224	224	5.6%
56.8%	4,000	4,109	109	2.7%
58.0%	4,000	4,090	90	2.2%
59.3%	4,000	4,085	85	2.1%
60.5%	4,000	4,070	70	1.7%
61.7%	4,000	4,044	44	1.1%
63.0%	4,000	4,016	16	0.4%
64.2%	4,000	4,000	0	0.0%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	3,934	-66	-1.6%
100.0%	3,138	3,630	491	15.7%

September				
Percent Exceedance Probability (%)	No Action Alternative	Alternative D	Absolute Difference (CFS)	Relative Difference (%)
	Monthly Outflow (CFS)	Monthly Outflow (CFS)		
0.0%	22,589	22,031	-558	-2.5%
1.2%	22,031	21,250	-781	-3.5%
2.5%	21,250	21,094	-156	-0.7%
3.7%	21,094	20,938	-156	-0.7%
4.9%	20,938	20,938	0	0.0%
6.2%	20,938	20,781	-156	-0.7%
7.4%	20,625	20,625	0	0.0%
8.6%	20,469	20,156	-313	-1.5%
9.9%	20,156	20,146	-11	-0.1%
11.1%	20,000	20,000	0	0.0%
12.3%	19,844	20,000	156	0.8%
13.6%	19,688	19,688	0	0.0%
14.8%	19,688	19,688	0	0.0%
16.0%	19,375	19,688	313	1.6%
17.3%	19,375	19,688	313	1.6%
18.5%	19,375	19,375	0	0.0%
19.8%	19,375	19,375	0	0.0%
21.0%	19,063	19,063	0	0.0%
22.2%	19,063	19,063	0	0.0%
23.5%	19,063	18,750	-313	-1.6%
24.7%	18,901	18,594	-308	-1.6%
25.9%	18,750	18,594	-156	-0.8%
27.2%	18,594	18,438	-156	-0.8%
28.4%	18,438	18,125	-313	-1.7%
29.6%	18,438	16,719	-1,719	-9.3%
30.9%	14,688	16,062	1,374	9.4%
32.1%	13,750	13,594	-156	-1.1%
33.3%	12,188	12,031	-156	-1.3%
34.6%	11,719	11,875	156	1.3%
35.8%	11,719	11,563	-156	-1.3%
37.0%	11,563	11,563	0	0.0%
38.3%	11,563	11,563	0	0.0%
39.5%	11,563	11,563	0	0.0%
40.7%	11,563	11,563	0	0.0%
42.0%	11,406	11,563	156	1.4%
43.2%	11,406	11,406	0	0.0%
44.4%	11,406	11,250	-156	-1.4%
45.7%	10,938	10,781	-156	-1.4%
46.9%	4,056	4,992	935	23.1%
48.1%	3,981	4,679	698	17.5%
49.4%	3,889	4,560	672	17.3%
50.6%	3,631	4,541	911	25.1%
51.9%	3,560	4,044	484	13.6%
53.1%	3,515	4,029	514	14.6%
54.3%	3,500	3,989	489	14.0%
55.6%	3,460	3,978	518	15.0%
56.8%	3,438	3,942	504	14.7%
58.0%	3,348	3,857	509	15.2%
59.3%	3,278	3,734	456	13.9%
60.5%	3,228	3,700	471	14.6%
61.7%	3,146	3,689	543	17.3%
63.0%	3,096	3,528	433	14.0%
64.2%	3,090	3,460	370	12.0%
65.4%	3,087	3,427	339	11.0%
66.7%	3,087	3,407	320	10.4%
67.9%	3,087	3,403	316	10.2%
69.1%	3,087	3,375	288	9.3%
70.4%	3,087	3,363	275	8.9%
71.6%	3,087	3,308	221	7.2%
72.8%	3,075	3,187	112	3.6%
74.1%	3,000	3,165	165	5.5%
75.3%	3,000	3,096	96	3.2%
76.5%	3,000	3,087	87	2.9%
77.8%	3,000	3,087	87	2.9%
79.0%	3,000	3,087	87	2.9%
80.2%	3,000	3,087	87	2.9%
81.5%	3,000	3,068	68	2.3%
82.7%	3,000	3,045	45	1.5%
84.0%	3,000	3,019	19	0.6%
85.2%	3,000	3,000	0	0.0%
86.4%	3,000	3,000	0	0.0%
87.7%	3,000	3,000	0	0.0%
88.9%	3,000	3,000	0	0.0%
90.1%	3,000	3,000	0	0.0%
91.4%	3,000	3,000	0	0.0%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Table SW-34-9a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	4,708	4,028	4,507	5,014	5,702	5,143	3,909	3,347	5,679	7,772	6,490	5,711
Alternative D	4,531	4,018	4,518	4,883	5,568	4,946	3,869	3,340	5,713	7,523	6,702	5,860
Difference	-178	-10	11	-131	-134	-197	-40	-7	34	-250	212	150
Percent Difference[3]	-3.8%	-0.2%	0.2%	-2.6%	-2.3%	-3.8%	-1.0%	-0.2%	0.6%	-3.2%	3.3%	2.6%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	4,734	4,204	4,923	7,555	8,380	7,401	5,875	5,047	6,554	7,922	6,759	5,434
Alternative D	4,202	4,041	4,918	7,474	8,290	7,310	5,837	5,031	6,355	7,379	6,793	5,348
Difference	-532	-163	-5	-81	-90	-91	-38	-15	-198	-543	33	-86
Percent Difference	-11.2%	-3.9%	-0.1%	-1.1%	-1.1%	-1.2%	-0.7%	-0.3%	-3.0%	-6.9%	0.5%	-1.6%
Above Normal (15%)												
No Action Alternative	5,081	4,373	4,548	5,929	6,776	6,663	4,281	3,580	5,499	8,492	6,908	8,115
Alternative D	4,806	4,046	4,461	5,709	6,608	6,454	4,198	3,564	5,970	7,102	6,951	8,367
Difference	-275	-327	-87	-220	-168	-209	-83	-16	471	-1,390	43	253
Percent Difference	-5.4%	-7.5%	-1.9%	-3.7%	-2.5%	-3.1%	-1.9%	-0.5%	8.6%	-16.4%	0.6%	3.1%
Below Normal (17%)												
No Action Alternative	4,988	4,301	5,024	3,875	4,930	3,917	3,142	2,674	5,592	8,311	6,690	5,654
Alternative D	5,102	4,396	5,101	3,614	4,818	3,630	3,087	2,650	5,706	8,583	6,791	5,890
Difference	114	95	77	-261	-112	-287	-55	-24	114	272	102	236
Percent Difference	2.3%	2.2%	1.5%	-6.7%	-2.3%	-7.3%	-1.7%	-0.9%	2.0%	3.3%	1.5%	4.2%
Dry (22%)												
No Action Alternative	4,541	3,747	4,345	3,130	3,655	3,540	2,570	2,259	5,293	7,668	6,693	5,361
Alternative D	4,611	4,055	4,367	3,028	3,467	3,178	2,531	2,269	5,327	7,917	7,128	5,723
Difference	69	308	22	-102	-187	-362	-40	9	34	248	436	362
Percent Difference	1.5%	8.2%	0.5%	-3.3%	-5.1%	-10.2%	-1.5%	0.4%	0.6%	3.2%	6.5%	6.7%
Critical (15%)												
No Action Alternative	4,205	3,402	3,206	2,746	2,797	2,566	2,183	1,850	4,641	6,257	4,952	4,497
Alternative D	4,182	3,444	3,255	2,703	2,657	2,504	2,197	1,865	4,650	6,428	5,514	4,635
Difference	-24	42	48	-43	-140	-62	14	15	9	171	562	137
Percent Difference	-0.6%	1.2%	1.5%	-1.6%	-5.0%	-2.4%	0.7%	0.8%	0.2%	2.7%	11.4%	3.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-34-9b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

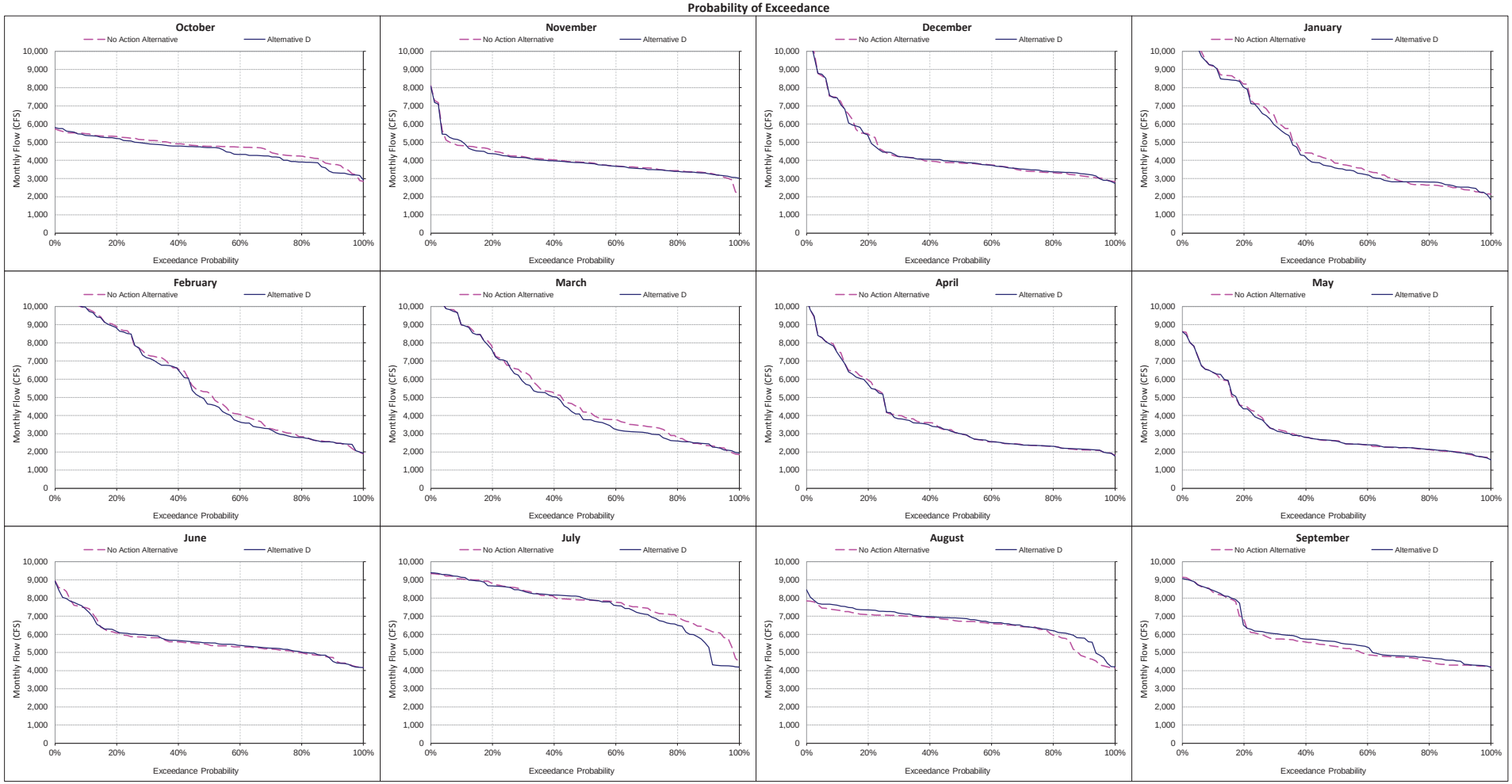

Table SW-34-9b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,730	5,805	75	1.3%
1.2%	5,653	5,750	97	1.7%
2.5%	5,594	5,750	156	2.8%
3.7%	5,523	5,607	84	1.5%
4.9%	5,518	5,590	72	1.3%
6.2%	5,514	5,556	42	0.8%
7.4%	5,513	5,454	-59	-1.1%
8.6%	5,506	5,438	-68	-1.2%
9.9%	5,473	5,380	-93	-1.7%
11.1%	5,452	5,365	-87	-1.6%
12.3%	5,377	5,347	-30	-0.6%
13.6%	5,365	5,333	-33	-0.6%
14.8%	5,346	5,277	-69	-1.3%
16.0%	5,336	5,263	-73	-1.4%
17.3%	5,332	5,255	-77	-1.4%
18.5%	5,326	5,243	-83	-1.6%
19.8%	5,325	5,209	-116	-2.2%
21.0%	5,273	5,193	-80	-1.5%
22.2%	5,263	5,095	-168	-3.2%
23.5%	5,246	5,080	-166	-3.2%
24.7%	5,223	5,070	-153	-2.9%
25.9%	5,218	4,993	-225	-4.3%
27.2%	5,150	4,978	-172	-3.3%
28.4%	5,137	4,950	-188	-3.7%
29.6%	5,135	4,935	-200	-3.9%
30.9%	5,097	4,906	-192	-3.8%
32.1%	5,093	4,882	-211	-4.1%
33.3%	5,078	4,871	-206	-4.1%
34.6%	5,027	4,862	-165	-3.3%
35.8%	5,027	4,834	-193	-3.8%
37.0%	4,990	4,804	-186	-3.7%
38.3%	4,914	4,791	-123	-2.5%
39.5%	4,911	4,788	-124	-2.5%
40.7%	4,910	4,783	-127	-2.6%
42.0%	4,881	4,781	-100	-2.0%
43.2%	4,855	4,767	-88	-1.8%
44.4%	4,827	4,766	-60	-1.2%
45.7%	4,822	4,749	-72	-1.5%
46.9%	4,782	4,747	-35	-0.7%
48.1%	4,781	4,722	-59	-1.2%
49.4%	4,778	4,710	-67	-1.4%
50.6%	4,776	4,708	-68	-1.4%
51.9%	4,770	4,704	-66	-1.4%
53.1%	4,768	4,674	-94	-2.0%
54.3%	4,766	4,596	-171	-3.6%
55.6%	4,759	4,461	-298	-6.3%
56.8%	4,747	4,436	-311	-6.6%
58.0%	4,747	4,345	-402	-8.5%
59.3%	4,737	4,332	-405	-8.6%
60.5%	4,732	4,327	-405	-8.6%
61.7%	4,722	4,324	-398	-8.4%
63.0%	4,720	4,278	-442	-9.4%
64.2%	4,710	4,277	-434	-9.2%
65.4%	4,704	4,268	-436	-9.3%
66.7%	4,692	4,254	-438	-9.3%
67.9%	4,629	4,245	-384	-8.3%
69.1%	4,522	4,238	-284	-6.3%
70.4%	4,410	4,192	-218	-4.9%
71.6%	4,370	4,187	-183	-4.2%
72.8%	4,307	4,158	-149	-3.5%
74.1%	4,298	4,011	-287	-6.7%
75.3%	4,270	4,011	-259	-6.1%
76.5%	4,253	3,943	-310	-7.3%
77.8%	4,246	3,942	-305	-7.2%
79.0%	4,242	3,913	-329	-7.8%
80.2%	4,225	3,910	-315	-7.5%
81.5%	4,179	3,902	-277	-6.6%
82.7%	4,165	3,889	-277	-6.6%
84.0%	4,117	3,883	-234	-5.7%
85.2%	4,111	3,873	-238	-5.8%
86.4%	3,997	3,641	-356	-8.9%
87.7%	3,847	3,583	-265	-6.9%
88.9%	3,808	3,402	-406	-10.7%
90.1%	3,766	3,319	-447	-11.9%
91.4%	3,763	3,304	-459	-12.2%
92.6%	3,720	3,294	-426	-11.5%
93.8%	3,512	3,294	-219	-6.2%
95.1%	3,457	3,241	-216	-6.2%
96.3%	3,270	3,191	-78	-2.4%
97.5%	3,211	3,191	-19	-0.6%
98.8%	2,892	3,174	282	9.7%
100.0%	2,845	2,920	74	2.6%

November				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,113	8,087	-25	-0.3%
1.2%	7,297	7,189	-108	-1.5%
2.5%	7,176	7,094	-82	-1.1%
3.7%	5,663	5,440	-222	-3.9%
4.9%	5,126	5,431	305	6.0%
6.2%	4,997	5,269	272	5.4%
7.4%	4,927	5,185	258	5.2%
8.6%	4,829	5,151	322	6.7%
9.9%	4,818	5,072	254	5.3%
11.1%	4,804	4,897	94	1.9%
12.3%	4,779	4,670	-109	-2.3%
13.6%	4,756	4,579	-176	-3.7%
14.8%	4,724	4,526	-197	-4.2%
16.0%	4,697	4,513	-185	-3.9%
17.3%	4,692	4,495	-197	-4.2%
18.5%	4,650	4,386	-264	-5.7%
19.8%	4,569	4,370	-198	-4.3%
21.0%	4,483	4,357	-126	-2.8%
22.2%	4,458	4,320	-139	-3.1%
23.5%	4,400	4,263	-138	-3.1%
24.7%	4,302	4,251	-51	-1.2%
25.9%	4,249	4,183	-66	-1.5%
27.2%	4,240	4,173	-66	-1.6%
28.4%	4,226	4,161	-65	-1.5%
29.6%	4,213	4,155	-58	-1.4%
30.9%	4,171	4,152	-19	-0.5%
32.1%	4,135	4,088	-46	-1.1%
33.3%	4,098	4,063	-35	-0.9%
34.6%	4,097	4,047	-50	-1.2%
35.8%	4,096	4,009	-88	-2.1%
37.0%	4,059	4,009	-50	-1.2%
38.3%	4,054	3,984	-70	-1.7%
39.5%	4,039	3,979	-60	-1.5%
40.7%	4,018	3,972	-45	-1.1%
42.0%	3,991	3,948	-43	-1.1%
43.2%	3,972	3,943	-29	-0.7%
44.4%	3,937	3,906	-31	-0.8%
45.7%	3,924	3,902	-22	-0.6%
46.9%	3,918	3,882	-37	-0.9%
48.1%	3,912	3,876	-36	-0.9%
49.4%	3,901	3,871	-30	-0.8%
50.6%	3,895	3,845	-49	-1.3%
51.9%	3,871	3,831	-41	-1.0%
53.1%	3,834	3,812	-22	-0.6%
54.3%	3,752	3,759	7	0.2%
55.6%	3,752	3,738	-14	-0.4%
56.8%	3,730	3,736	7	0.2%
58.0%	3,719	3,702	-17	-0.5%
59.3%	3,709	3,683	-26	-0.7%
60.5%	3,683	3,670	-13	-0.3%
61.7%	3,672	3,654	-18	-0.5%
63.0%	3,650	3,644	-6	-0.2%
64.2%	3,643	3,591	-52	-1.4%
65.4%	3,642	3,570	-72	-2.0%
66.7%	3,620	3,556	-64	-1.8%
67.9%	3,616	3,552	-64	-1.8%
69.1%	3,591	3,550	-41	-1.1%
70.4%	3,590	3,492	-97	-2.7%
71.6%	3,579	3,492	-88	-2.4%
72.8%	3,540	3,486	-55	-1.5%
74.1%	3,492	3,471	-21	-0.6%
75.3%	3,475	3,463	-12	-0.3%
76.5%	3,445	3,441	-4	-0.1%
77.8%	3,438	3,415	-23	-0.7%
79.0%	3,432	3,397	-35	-1.0%
80.2%	3,430	3,389	-41	-1.2%
81.5%	3,416	3,366	-50	-1.5%
82.7%	3,382	3,359	-23	-0.7%
84.0%	3,376	3,355	-21	-0.6%
85.2%	3,367	3,350	-17	-0.5%
86.4%	3,359	3,321	-38	-1.1%
87.7%	3,354	3,313	-41	-1.2%
88.9%	3,316	3,311	-5	-0.1%
90.1%	3,313	3,273	-40	-1.2%
91.4%	3,266	3,229	-37	-1.1%
92.6%	3,195	3,204	8	0.3%
93.8%	3,181	3,180	-1	0.0%
95.1%	3,067	3,155	88	2.9%
96.3%	3,009	3,127	119	3.9%
97.5%	2,927	3,067	141	4.8%
98.8%	2,266	3,052	786	34.7%
100.0%	2,156	3,016	861	39.9%

December				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,002	11,000	-2	0.0%
1.2%	10,821	10,644	-177	-1.6%
2.5%	9,941	9,723	-218	-2.2%
3.7%	8,787	8,800	12	0.1%
4.9%	8,650	8,742	92	1.1%
6.2%	8,519	8,515	-4	-0.1%
7.4%	7,542	7,580	39	0.5%
8.6%	7,502	7,459	-43	-0.6%
9.9%	7,463	7,447	-17	-0.2%
11.1%	7,232	7,048	-183	-2.5%
12.3%	6,780	6,826	46	0.7%
13.6%	6,566	6,056	-510	-7.8%
14.8%	6,275	5,950	-325	-5.2%
16.0%	5,712	5,893	180	3.2%
17.3%	5,500	5,823	323	5.9%
18.5%	5,497	5,490	-6	-0.1%
19.8%	5,470	5,402	-68	-1.2%
21.0%	5,317	4,923	-393	-7.4%
22.2%	5,263	4,754	-509	-9.7%
23.5%	4,660	4,595	-65	-1.4%
24.7%	4,548	4,451	-97	-2.1%
25.9%	4,413	4,448	35	0.8%
27.2%	4,346	4,438	92	2.1%
28.4%	4,258	4,343	85	2.0%
29.6%	4,214	4,217	3	0.1%
30.9%	4,182	4,205	23	0.6%
32.1%	4,176	4,176	0	0.0%
33.3%	4,165	4,164	-1	0.0%
34.6%	4,139	4,136	-3	-0.1%
35.8%	4,079	4,080	1	0.0%
37.0%	4,077	4,075	-2	-0.1%
38.3%	3,982	4,068	87	2.2%
39.5%	3,957	4,060	103	2.6%
40.7%	3,953	4,055	103	2.6%
42.0%	3,941	4,046	104	2.6%
43.2%	3,900	4,044	145	3.7%
44.4%	3,892	3,983	91	2.3%
45.7%	3,880	3,975	94	2.4%
46.9%	3,875	3,957	82	2.1%
48.1%	3,871	3,943	73	1.9%
49.4%	3,862	3,919	58	1.5%
50.6%	3,836	3,909	73	1.9%
51.9%	3,835	3,864	29	0.8%
53.1%	3,822	3,863	41	1.1%
54.3%	3,818	3,851	33	0.9%
55.6%	3,796	3,832	37	1.0%
56.8%	3,794	3,764	-30	-0.8%
58.0%	3,779	3,752	-27	-0.7%
59.3%	3,760	3,743	-17	-0.5%
60.5%	3,741	3,719	-22	-0.6%
61.7%	3,707	3,672	-35	-0.9%
63.0%	3,663	3,669	6	0.2%
64.2%	3,663	3,633	-30	-0.8%
65.4%	3,616	3,589	-28	-0.8%
66.7%	3,606	3,570	-36	-1.0%
67.9%	3,503	3,563	60	1.7%
69.1%	3,461	3,528	67	1.9%
70.4%	3,440	3,512	72	2.1%
71.6%	3,408	3,506	98	2.9%
72.8%	3,393	3,477	84	2.5%
74.1%	3,390	3,472	82	2.4%
75.3%	3,360	3,461	101	3.0%
76.5%	3,350	3,413	63	1.9%
77.8%	3,337	3,402	64	1.9%
79.0%	3,331	3,382	51	1.5%
80.2%	3,321	3,371	51	1.5%
81.5%	3,301	3,366	65	2.0%
82.7%	3,292	3,355	62	1.9%
84.0%	3,289	3,342	54	1.6%
85.2%	3,229	3,338	109	3.4%
86.4%	3,206	3,327	121	3.8%
87.7%	3,195	3,312	117	3.7%
88.9%	3,148	3,268	120	3.8%
90.1%	3,122	3,259	137	4.4%
91.4%	3,105	3,225	120	3.9%
92.6%	3,088	3,199	111	3.6%
93.8%	3,048	3,139	91	3.0%
95.1%	3,028	2,989	-39	-1.3%
96.3%	3,004	2,909	-95	-3.2%
97.5%	2,910	2,899	-11	-0.4%
98.8%	2,861	2,837	-24	-0.8%
100.0%	2,829	2,738	-91	-3.2%

January				
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,245	11,286	41	0.4%
1.2%	11,103	11,101	-2	0.0%
2.5%	10,848	10,781	-67	-0.6%
3.7%	10,481	10,482	1	0.0%
4.9%	10,276	10,208	-68	-0.7%
6.2%	9,985	9,712	-273	-2.7%
7.4%	9,561	9,495	-66	-0.7%
8.6%	9,263	9,264	1	0.0%
9.9%	9,182	9,234	52	0.6%
11.1%	9,119	9,049	-71	-0.8%
12.3%	8,717	8,490	-228	-2.6%
13.6%	8,680	8,463	-217	-2.5%
14.8%	8,663	8,442	-222	-2.6%
16.0%	8,652	8,412	-240	-2.8%
17.3%	8,497	8,406	-91	-1.1%
18.5%	8,416	8,351	-65	-0.8%
19.8%	8,214	8,028	-186	-2.3%
21.0%	8,201	7,915	-286	-3.5%
22.2%	7,299	7,127	-172	-2.4%
23.5%	7,120	7,091	-29	-0.4%
24.7%	7,100	6,856	-244	-3.4%
25.9%	6,994	6,580	-414	-5.9%
27.2%	6,854	6,459	-396	-5.8%
28.4%	6,542	6,273	-269	-4.1%
29.6%	6,511	5,976	-535	-8.2%
30.9%	5,976	5,811	-165	-2.8%
32.1%	5,931	5,626	-306	-5.2%
33.3%	5,758	5,471	-287	-5.0%
34.6%	5,754	5,360	-393	-6.8%
35.8%	5,032	4,848	-184	-3.7%
37.0%	4,934	4,739	-195	-3.9%
38.3%	4,529	4,299	-230	-5.1%
39.5%	4,425	4,257	-167	-3.8%
40.7%	4,405	4,043	-362	-8.2%
42.0%	4,400	3,907	-492	-11.2%
43.2%	4,244	3,875	-369	-8.7%
44.4%	4,230	3,873	-357	-8.4%
45.7%	4,150	3,735	-415	-10.0%
46.9%	4,097	3,694	-402	-9.8%
48.1%	4,032	3,676	-355	-8.8%
49.4%	3,853	3,583	-270	-7.0%
50.6%	3,835	3,546	-289	-7.5%
51.9%	3,763	3,538	-225	-6.0%
53.1%	3,746	3,462	-284	-7.6%
54.3%	3,695	3,459	-236	-6.4%
55.6%	3,627	3,425	-202	-5.6%
56.8%	3,581	3,302	-279	-7.8%
58.0%	3,567	3,269	-297	-8.3%
59.3%	3,455	3,228	-226	-6.6%
60.5%	3,389	3,187	-202	-6.0%
61.7%	3,339	3,056	-283	-8.5%
63.0%	3,328	3,016	-312	-9.4%
64.2%	3,203	3,006	-196	-6.1%
65.4%	3,202	2,908	-294	-9.2%
66.7%	3,051	2,859	-192	-6.3%
67.9%	3,041	2,824	-217	-7.1%
69.1%	2,943	2,824	-119	-4.0%
70.4%	2,877	2,824	-53	-1.9%
71.6%	2,825	2,824	-1	0.0%
72.8%	2,795	2,824	29	1.0%
74.1%	2,688	2,824	136	5.1%
75.3%	2,670	2,824	154	5.8%
76.5%	2,666	2,824	158	5.9%
77.8%	2,662	2,824	162	6.1%
79.0%	2,644	2,811	167	6.3%
80.2%	2,639	2,806	167	6.3%
81.5%	2,633	2,802	169	6.4%
82.7%	2,621	2,792	170	6.5%
84.0%	2,588	2,753	165	6.4%
85.2%	2,583	2,669	86	3.3%
86.4%	2,570	2,652	82	3.2%
87.7%	2,496	2,610	114	4.6%
88.9%	2,495	2,546	51	2.1%
90.1%	2,459	2,528	70	2.8%
91.4%	2,387	2,527	140	5.9%
92.6%	2,378	2,526	147	6.2%
93.8%	2,359	2,488	129	5.5%
95.1%	2,274	2,464	190	8.4%
96.3%	2,264	2,252	-12	-0.5%
97.5%	2,206	2,241	35	1.6%
98.8%	2,165	2,113	-52	-2.4%
100.0%	2,144	1,834	-310	-14.4%

Table SW-34-9b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,086	11,086	0	0.0%
1.2%	10,728	10,730	3	0.0%
2.5%	10,669	10,728	58	0.5%
3.7%	10,441	10,442	0	0.0%
4.9%	10,265	10,181	-84	-0.8%
6.2%	10,142	10,114	-28	-0.3%
7.4%	10,058	10,088	30	0.3%
8.6%	9,974	9,994	20	0.2%
9.9%	9,928	9,974	46	0.5%
11.1%	9,823	9,735	-87	-0.9%
12.3%	9,731	9,659	-71	-0.7%
13.6%	9,557	9,427	-130	-1.4%
14.8%	9,437	9,399	-37	-0.4%
16.0%	9,138	9,138	0	0.0%
17.3%	9,089	9,012	-76	-0.8%
18.5%	9,041	8,929	-113	-1.2%
19.8%	8,929	8,854	-74	-0.8%
21.0%	8,756	8,649	-108	-1.2%
22.2%	8,685	8,604	-81	-0.9%
23.5%	8,672	8,519	-153	-1.8%
24.7%	8,425	8,490	65	0.8%
25.9%	7,767	7,845	78	1.0%
27.2%	7,733	7,736	4	0.0%
28.4%	7,571	7,336	-235	-3.1%
29.6%	7,355	7,195	-160	-2.2%
30.9%	7,292	7,140	-151	-2.1%
32.1%	7,254	7,041	-213	-2.9%
33.3%	7,196	6,894	-302	-4.2%
34.6%	7,191	6,774	-417	-5.8%
35.8%	7,053	6,774	-279	-4.0%
37.0%	6,839	6,756	-84	-1.2%
38.3%	6,635	6,703	67	1.0%
39.5%	6,630	6,623	-7	-0.1%
40.7%	6,454	6,354	-100	-1.6%
42.0%	6,442	6,081	-361	-5.6%
43.2%	6,060	6,062	2	0.0%
44.4%	5,660	5,384	-276	-4.9%
45.7%	5,468	5,160	-308	-5.6%
46.9%	5,387	5,043	-343	-6.4%
48.1%	5,313	4,945	-368	-6.9%
49.4%	5,310	4,642	-668	-12.6%
50.6%	5,174	4,604	-570	-11.0%
51.9%	4,844	4,558	-286	-5.9%
53.1%	4,699	4,460	-240	-5.1%
54.3%	4,638	4,219	-418	-9.0%
55.6%	4,435	4,106	-328	-7.4%
56.8%	4,172	4,020	-152	-3.6%
58.0%	4,118	3,771	-347	-8.4%
59.3%	4,082	3,688	-394	-9.7%
60.5%	4,035	3,616	-419	-10.4%
61.7%	3,954	3,590	-365	-9.2%
63.0%	3,873	3,588	-285	-7.3%
64.2%	3,795	3,408	-387	-10.2%
65.4%	3,731	3,366	-365	-9.8%
66.7%	3,676	3,342	-335	-9.1%
67.9%	3,442	3,294	-148	-4.3%
69.1%	3,306	3,283	-23	-0.7%
70.4%	3,261	3,188	-73	-2.3%
71.6%	3,198	3,059	-139	-4.3%
72.8%	3,193	2,976	-217	-6.8%
74.1%	3,097	2,939	-157	-5.1%
75.3%	3,037	2,885	-151	-5.0%
76.5%	3,033	2,839	-194	-6.4%
77.8%	2,990	2,800	-190	-6.4%
79.0%	2,848	2,796	-53	-1.8%
80.2%	2,837	2,786	-52	-1.8%
81.5%	2,837	2,752	-85	-3.0%
82.7%	2,689	2,721	32	1.2%
84.0%	2,649	2,639	-10	-0.4%
85.2%	2,610	2,608	-1	0.0%
86.4%	2,606	2,558	-48	-1.8%
87.7%	2,569	2,558	-11	-0.4%
88.9%	2,560	2,558	-2	-0.1%
90.1%	2,543	2,539	-4	-0.2%
91.4%	2,486	2,478	-8	-0.3%
92.6%	2,476	2,471	-5	-0.2%
93.8%	2,400	2,441	41	1.7%
95.1%	2,362	2,435	73	3.1%
96.3%	2,197	2,411	214	9.7%
97.5%	2,044	2,067	23	1.1%
98.8%	1,985	1,994	9	0.5%
100.0%	1,894	1,927	33	1.7%

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,681	11,681	0	0.0%
1.2%	11,140	11,149	9	0.1%
2.5%	10,464	10,446	-18	-0.2%
3.7%	10,255	10,205	-51	-0.5%
4.9%	9,890	9,890	0	0.0%
6.2%	9,835	9,824	-11	-0.1%
7.4%	9,824	9,737	-87	-0.9%
8.6%	9,644	9,675	31	0.3%
9.9%	8,985	9,000	16	0.2%
11.1%	8,957	8,930	-27	-0.3%
12.3%	8,893	8,848	-45	-0.5%
13.6%	8,696	8,546	-151	-1.7%
14.8%	8,459	8,458	-1	0.0%
16.0%	8,457	8,455	-2	0.0%
17.3%	8,116	8,108	-8	-0.1%
18.5%	8,108	7,894	-214	-2.6%
19.8%	7,851	7,649	-202	-2.6%
21.0%	7,279	7,231	-48	-0.7%
22.2%	7,179	7,075	-105	-1.5%
23.5%	7,074	7,062	-12	-0.2%
24.7%	6,773	6,981	208	3.1%
25.9%	6,750	6,593	-157	-2.3%
27.2%	6,589	6,305	-284	-4.3%
28.4%	6,545	6,223	-323	-4.9%
29.6%	6,358	5,919	-439	-6.9%
30.9%	6,352	5,724	-629	-9.9%
32.1%	6,211	5,648	-563	-9.1%
33.3%	5,851	5,360	-491	-8.4%
34.6%	5,652	5,292	-360	-6.4%
35.8%	5,431	5,277	-153	-2.8%
37.0%	5,359	5,261	-98	-1.8%
38.3%	5,338	5,121	-218	-4.1%
39.5%	5,297	5,034	-262	-5.0%
40.7%	5,138	5,014	-124	-2.4%
42.0%	5,116	4,840	-276	-5.4%
43.2%	4,794	4,543	-251	-5.2%
44.4%	4,707	4,409	-298	-6.3%
45.7%	4,659	4,212	-448	-9.6%
46.9%	4,540	4,089	-452	-9.9%
48.1%	4,510	4,086	-424	-9.4%
49.4%	4,198	3,787	-411	-9.8%
50.6%	4,180	3,777	-403	-9.6%
51.9%	4,142	3,770	-373	-9.0%
53.1%	3,982	3,680	-302	-7.6%
54.3%	3,874	3,646	-228	-5.9%
55.6%	3,806	3,617	-189	-5.0%
56.8%	3,790	3,539	-250	-6.6%
58.0%	3,786	3,444	-343	-9.0%
59.3%	3,777	3,276	-500	-13.2%
60.5%	3,756	3,214	-542	-14.4%
61.7%	3,660	3,164	-496	-13.6%
63.0%	3,618	3,145	-473	-13.1%
64.2%	3,512	3,132	-379	-10.8%
65.4%	3,504	3,117	-387	-11.0%
66.7%	3,470	3,097	-373	-10.8%
67.9%	3,444	3,080	-364	-10.6%
69.1%	3,430	3,067	-363	-10.6%
70.4%	3,389	3,043	-346	-10.2%
71.6%	3,384	2,974	-410	-12.1%
72.8%	3,349	2,965	-384	-11.5%
74.1%	3,301	2,947	-354	-10.7%
75.3%	3,239	2,784	-455	-14.1%
76.5%	3,115	2,710	-405	-13.0%
77.8%	2,906	2,621	-284	-9.8%
79.0%	2,905	2,613	-292	-10.1%
80.2%	2,735	2,600	-136	-5.0%
81.5%	2,732	2,568	-164	-6.0%
82.7%	2,605	2,558	-47	-1.8%
84.0%	2,524	2,558	34	1.3%
85.2%	2,472	2,505	33	1.4%
86.4%	2,472	2,498	26	1.1%
87.7%	2,434	2,469	35	1.4%
88.9%	2,351	2,461	110	4.7%
90.1%	2,347	2,439	92	3.9%
91.4%	2,325	2,267	-58	-2.5%
92.6%	2,289	2,250	-39	-1.7%
93.8%	2,235	2,205	-30	-1.3%
95.1%	2,222	2,113	-109	-4.9%
96.3%	2,013	2,094	81	4.0%
97.5%	1,970	2,060	90	4.6%
98.8%	1,881	1,976	95	5.0%
100.0%	1,852	1,948	96	5.2%

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,424	10,425	0	0.0%
1.2%	9,817	9,817	0	0.0%
2.5%	9,426	9,479	53	0.6%
3.7%	8,410	8,411	2	0.0%
4.9%	8,296	8,297	1	0.0%
6.2%	8,076	8,076	-1	0.0%
7.4%	8,061	7,946	-115	-1.4%
8.6%	7,947	7,838	-109	-1.4%
9.9%	7,529	7,472	-57	-0.8%
11.1%	7,472	7,165	-307	-4.1%
12.3%	6,876	6,859	-16	-0.2%
13.6%	6,503	6,407	-95	-1.5%
14.8%	6,437	6,278	-159	-2.5%
16.0%	6,407	6,114	-293	-4.6%
17.3%	6,200	6,052	-148	-2.4%
18.5%	6,109	5,988	-121	-2.0%
19.8%	5,991	5,757	-234	-3.9%
21.0%	5,838	5,489	-350	-6.0%
22.2%	5,438	5,441	3	0.0%
23.5%	5,360	5,237	-123	-2.3%
24.7%	5,222	5,186	-36	-0.7%
25.9%	4,177	4,174	-2	-0.1%
27.2%	4,093	4,165	72	1.8%
28.4%	4,066	3,891	-175	-4.3%
29.6%	4,010	3,825	-186	-4.6%
30.9%	3,987	3,819	-169	-4.2%
32.1%	3,877	3,763	-114	-2.9%
33.3%	3,825	3,724	-101	-2.6%
34.6%	3,818	3,605	-213	-5.6%
35.8%	3,684	3,589	-95	-2.6%
37.0%	3,628	3,580	-48	-1.3%
38.3%	3,618	3,552	-66	-1.8%
39.5%	3,611	3,510	-100	-2.8%
40.7%	3,595	3,405	-190	-5.3%
42.0%	3,498	3,380	-118	-3.4%
43.2%	3,304	3,360	55	1.7%
44.4%	3,238	3,259	21	0.7%
45.7%	3,237	3,227	-9	-0.3%
46.9%	3,225	3,125	-100	-3.1%
48.1%	3,057	3,069	12	0.4%
49.4%	3,039	3,011	-28	-0.9%
50.6%	2,976	2,977	1	0.0%
51.9%	2,927	2,926	-1	0.0%
53.1%	2,802	2,811	9	0.3%
54.3%	2,703	2,704	0	0.0%
55.6%	2,672	2,682	10	0.4%
56.8%	2,657	2,672	15	0.6%
58.0%	2,578	2,654	76	2.9%
59.3%	2,557	2,570	13	0.5%
60.5%	2,551	2,552	1	0.0%
61.7%	2,548	2,547	-1	-0.1%
63.0%	2,513	2,519	7	0.3%
64.2%	2,462	2,465	3	0.1%
65.4%	2,453	2,458	5	0.2%
66.7%	2,452	2,439	-13	-0.5%
67.9%	2,440	2,425	-16	-0.7%
69.1%	2,425	2,399	-26	-1.1%
70.4%	2,375	2,380	4	0.2%
71.6%	2,375	2,372	-3	-0.1%
72.8%	2,360	2,369	9	0.4%
74.1%	2,354	2,354	0	0.0%
75.3%	2,340	2,347	7	0.3%
76.5%	2,337	2,344	7	0.3%
77.8%	2,317	2,338	21	0.9%
79.0%	2,315	2,321	7	0.3%
80.2%	2,304	2,304	0	0.0%
81.5%	2,271	2,264	-7	-0.3%
82.7%	2,198	2,204	7	0.3%
84.0%	2,189	2,202	13	0.6%
85.2%	2,159	2,183	25	1.1%
86.4%	2,152	2,175	22	1.0%
87.7%	2,123	2,173	50	2.3%
88.9%	2,108	2,157	50	2.4%
90.1%	2,107	2,144	37	1.8%
91.4%	2,100	2,131	31	1.5%
92.6%	2,091	2,117	27	1.3%
93.8%	2,090	2,107	17	0.8%
95.1%	2,078	2,100	22	1.1%
96.3%	1,982	1,982	0	0.0%
97.5%	1,972	1,936	-37	-1.9%
98.8%	1,927	1,927	0	0.0%
100.0%	1,810	1,776	-34	-1.9%

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,619	8,607	-12	-0.1%
1.2%	8,580	8,429	-151	-1.8%
2.5%	8,010	8,013	3	0.0%
3.7%	7,826	7,812	-14	-0.2%
4.9%	7,312	7,263	-50	-0.7%
6.2%	6,769	6,736	-33	-0.5%
7.4%	6,559	6,543	-15	-0.2%
8.6%	6,511	6,497	-14	-0.2%
9.9%	6,376	6,376	1	0.0%
11.1%	6,271	6,280	9	0.1%
12.3%	6,010	6,265	255	4.2%
13.6%	5,942	5,983	41	0.7%
14.8%	5,911	5,927	16	0.3%
16.0%	5,050	5,180	130	2.6%
17.3%	4,985	5,051	66	1.3%
18.5%	4,584	4,584	0	0.0%
19.8%	4,543	4,376	-167	-3.7%
21.0%	4,482	4,368	-114	-2.5%
22.2%	4,293	4,194	-99	-2.3%
23.5%	4,227	3,944	-283	-6.7%
24.7%	4,021	3,834	-187	-4.6%
25.9%	3,877	3,756	-121	-3.1%
27.2%	3,536	3,538	2	0.1%
28.4%	3,310	3,318	8	0.2%
29.6%	3,255	3,245	-9	-0.3%
30.9%	3,235	3,134	-101	-3.1%
32.1%	3,186	3,102	-84	-2.7%
33.3%	3,134	3,027	-107	-3.4%
34.6%	3,012	3,013	0	0.0%
35.8%	2,998	2,907	-91	-3.0%
37.0%	2,921	2,902	-19	-0.6%
38.3%	2,837	2,886	48	1.7%
39.5%	2,823	2,803	-19	-0.7%
40.7%	2,790	2,790	0	0.0%
42.0%	2,736	2,736	0	0.0%
43.2%	2,714	2,714	0	0.0%
44.4%	2,670	2,684	14	0.5%
45.7%	2,639	2,671	32	1.2%
46.9%	2,631	2,656	24	0.9%
48.1%	2,630	2,640	11	0.4%
49.4%	2,629	2,616	-13	-0.5%
50.6%	2,616	2,563	-52	-2.0%
51.9%	2,483	2,498	15	0.6%
53.1%	2,447	2,446	0	0.0%
54.3%	2,432	2,438	6	0.3%
55.6%	2,431	2,435	4	0.2%
56.8%	2,423	2,426	3	0.1%
58.0%	2,416	2,417	1	0.0%
59.3%	2,389	2,396	6	0.3%
60.5%	2,385	2,390	5	0.2%
61.7%	2,301	2,385	85	3.7%
63.0%	2,297	2,367	70	3.1%
64.2%	2,289	2,322	33	1.4%
65.4%	2,272	2,261	-11	-0.5%
66.7%	2,262	2,259	-3	-0.1%
67.9%	2,241	2,258	17	0.8%
69.1%	2,240	2,256	16	0.7%
70.4%	2,237	2,241	4	0.2%
71.6%	2,235	2,239	3	0.1%
72.8%	2,231	2,235	4	0.2%
74.1%	2,231	2,231	1	0.0%
75.3%	2,192	2,225	33	1.5%
76.5%	2,165	2,192	27	1.3%
77.8%	2,161	2,162	1	0.0%
79.0%	2,147	2,149	2	0.1%
80.2%	2,122	2,137	15	0.7%
81.5%	2,087	2,118	31	1.5%
82.7%	2,084	2,099	15	0.7%
84.0%	2,047	2,087	39	1.9%
85.2%	2,037	2,079	42	2.1%
86.4%	2,036	2,036	1	0.0%
87.7%	2,012	2,024	12	0.6%
88.9%	2,006	1,962	-44	-2.2%
90.1%	1,979	1,960	-20	-1.0%
91.4%	1,913	1,933	20	1.1%
92.6%	1,875	1,913	38	2.0%
93.8%	1,836	1,887	51	2.8%
95.1%	1,758	1,779	21	1.2%
96.3%	1,741	1,743	2	0.1%
97.5%	1,715	1,717	2	0.1%
98.8%	1,705	1,668	-37	-2.2%
100.0%	1,555	1,559	4	0.3%

Table SW-34-9b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

	June			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,947	8,928	-19	-0.2%
1.2%	8,569	8,436	-133	-1.5%
2.5%	8,539	8,034	-505	-5.9%
3.7%	8,352	7,969	-383	-4.6%
4.9%	7,907	7,827	-80	-1.0%
6.2%	7,601	7,759	158	2.1%
7.4%	7,566	7,659	93	1.2%
8.6%	7,490	7,581	91	1.2%
9.9%	7,473	7,398	-75	-1.0%
11.1%	7,402	7,199	-203	-2.7%
12.3%	7,110	6,954	-155	-2.2%
13.6%	6,827	6,554	-274	-4.0%
14.8%	6,402	6,425	23	0.4%
16.0%	6,290	6,289	-1	0.0%
17.3%	6,153	6,285	132	2.1%
18.5%	6,150	6,271	121	2.0%
19.8%	6,079	6,173	94	1.5%
21.0%	6,059	6,086	27	0.4%
22.2%	5,948	6,062	114	1.9%
23.5%	5,940	6,053	113	1.9%
24.7%	5,869	6,018	149	2.5%
25.9%	5,864	6,014	150	2.6%
27.2%	5,861	5,981	120	2.0%
28.4%	5,849	5,979	130	2.2%
29.6%	5,820	5,951	131	2.2%
30.9%	5,813	5,947	135	2.3%
32.1%	5,809	5,929	120	2.1%
33.3%	5,807	5,909	103	1.8%
34.6%	5,805	5,790	-15	-0.3%
35.8%	5,671	5,725	54	1.0%
37.0%	5,596	5,680	84	1.5%
38.3%	5,591	5,667	76	1.4%
39.5%	5,584	5,666	82	1.5%
40.7%	5,570	5,660	90	1.6%
42.0%	5,552	5,628	76	1.4%
43.2%	5,538	5,601	64	1.2%
44.4%	5,531	5,587	56	1.0%
45.7%	5,490	5,585	95	1.7%
46.9%	5,479	5,561	82	1.5%
48.1%	5,471	5,541	70	1.3%
49.4%	5,447	5,540	93	1.7%
50.6%	5,379	5,522	143	2.7%
51.9%	5,377	5,519	142	2.6%
53.1%	5,371	5,470	99	1.8%
54.3%	5,367	5,455	87	1.6%
55.6%	5,365	5,451	86	1.6%
56.8%	5,345	5,448	103	1.9%
58.0%	5,310	5,434	124	2.3%
59.3%	5,306	5,404	97	1.8%
60.5%	5,297	5,379	83	1.6%
61.7%	5,296	5,353	57	1.1%
63.0%	5,293	5,334	41	0.8%
64.2%	5,270	5,322	51	1.0%
65.4%	5,251	5,301	50	1.0%
66.7%	5,242	5,290	47	0.9%
67.9%	5,199	5,261	62	1.2%
69.1%	5,197	5,247	50	1.0%
70.4%	5,185	5,243	58	1.1%
71.6%	5,173	5,235	62	1.2%
72.8%	5,130	5,218	88	1.7%
74.1%	5,119	5,168	49	1.0%
75.3%	5,102	5,168	65	1.3%
76.5%	5,092	5,111	19	0.4%
77.8%	4,987	5,075	88	1.8%
79.0%	4,985	5,063	77	1.6%
80.2%	4,979	5,010	31	0.6%
81.5%	4,918	4,987	69	1.4%
82.7%	4,899	4,964	65	1.3%
84.0%	4,864	4,959	95	2.0%
85.2%	4,849	4,886	37	0.8%
86.4%	4,831	4,852	21	0.4%
87.7%	4,775	4,846	72	1.5%
88.9%	4,739	4,706	-33	-0.7%
90.1%	4,720	4,505	-216	-4.6%
91.4%	4,505	4,419	-85	-1.9%
92.6%	4,419	4,402	-18	-0.4%
93.8%	4,413	4,396	-17	-0.4%
95.1%	4,390	4,342	-48	-1.1%
96.3%	4,276	4,249	-27	-0.6%
97.5%	4,227	4,196	-30	-0.7%
98.8%	4,196	4,184	-12	-0.3%
100.0%	4,182	4,173	-9	-0.2%

	July			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,344	9,388	45	0.5%
1.2%	9,339	9,385	46	0.5%
2.5%	9,307	9,347	40	0.4%
3.7%	9,288	9,298	10	0.1%
4.9%	9,214	9,296	82	0.9%
6.2%	9,212	9,266	54	0.6%
7.4%	9,200	9,212	12	0.1%
8.6%	9,057	9,200	143	1.6%
9.9%	9,054	9,138	84	0.9%
11.1%	9,033	9,129	96	1.1%
12.3%	9,032	8,984	-48	-0.5%
13.6%	9,003	8,981	-22	-0.2%
14.8%	9,002	8,943	-59	-0.7%
16.0%	8,993	8,937	-56	-0.6%
17.3%	8,931	8,876	-55	-0.6%
18.5%	8,925	8,684	-241	-2.7%
19.8%	8,822	8,669	-153	-1.7%
21.0%	8,730	8,656	-75	-0.9%
22.2%	8,703	8,653	-50	-0.6%
23.5%	8,650	8,618	-31	-0.4%
24.7%	8,641	8,604	-37	-0.4%
25.9%	8,600	8,574	-26	-0.3%
27.2%	8,577	8,462	-115	-1.3%
28.4%	8,541	8,459	-83	-1.0%
29.6%	8,440	8,408	-33	-0.4%
30.9%	8,380	8,336	-44	-0.5%
32.1%	8,363	8,278	-84	-1.0%
33.3%	8,267	8,229	-38	-0.5%
34.6%	8,244	8,227	-16	-0.2%
35.8%	8,140	8,216	75	0.9%
37.0%	8,132	8,206	74	0.9%
38.3%	8,131	8,176	45	0.6%
39.5%	8,115	8,165	51	0.6%
40.7%	7,985	8,161	176	2.2%
42.0%	7,957	8,143	186	2.3%
43.2%	7,947	8,138	191	2.4%
44.4%	7,942	8,121	179	2.3%
45.7%	7,928	8,114	186	2.3%
46.9%	7,912	8,114	202	2.5%
48.1%	7,896	8,084	187	2.4%
49.4%	7,896	7,993	97	1.2%
50.6%	7,882	7,920	37	0.5%
51.9%	7,877	7,899	23	0.3%
53.1%	7,863	7,874	11	0.1%
54.3%	7,851	7,854	3	0.0%
55.6%	7,845	7,792	-52	-0.7%
56.8%	7,841	7,784	-57	-0.7%
58.0%	7,828	7,781	-48	-0.6%
59.3%	7,791	7,606	-185	-2.4%
60.5%	7,753	7,580	-172	-2.2%
61.7%	7,741	7,561	-180	-2.3%
63.0%	7,605	7,418	-187	-2.5%
64.2%	7,574	7,417	-156	-2.1%
65.4%	7,519	7,331	-189	-2.5%
66.7%	7,516	7,218	-298	-4.0%
67.9%	7,481	7,163	-319	-4.3%
69.1%	7,462	7,122	-340	-4.6%
70.4%	7,435	7,090	-345	-4.6%
71.6%	7,267	6,953	-314	-4.3%
72.8%	7,204	6,874	-330	-4.6%
74.1%	7,141	6,751	-390	-5.5%
75.3%	7,125	6,710	-415	-5.8%
76.5%	7,121	6,623	-498	-7.0%
77.8%	7,090	6,584	-505	-7.1%
79.0%	7,086	6,574	-513	-7.2%
80.2%	6,924	6,489	-435	-6.3%
81.5%	6,805	6,449	-355	-5.2%
82.7%	6,724	6,129	-595	-8.9%
84.0%	6,686	5,992	-694	-10.4%
85.2%	6,582	5,984	-598	-9.1%
86.4%	6,450	5,865	-585	-9.1%
87.7%	6,441	5,740	-701	-10.9%
88.9%	6,312	5,536	-776	-12.3%
90.1%	6,238	5,287	-951	-15.2%
91.4%	6,129	4,318	-1,812	-29.6%
92.6%	6,125	4,293	-1,831	-29.9%
93.8%	6,069	4,279	-1,790	-29.5%
95.1%	5,815	4,265	-1,549	-26.6%
96.3%	5,797	4,259	-1,537	-26.5%
97.5%	5,319	4,248	-1,071	-20.1%
98.8%	4,683	4,202	-481	-10.3%
100.0%	4,471	4,197	-274	-6.1%

	August			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,840	8,456	616	7.9%
1.2%	7,822	8,049	227	2.9%
2.5%	7,780	7,863	83	1.1%
3.7%	7,627	7,709	81	1.1%
4.9%	7,450	7,666	216	2.9%
6.2%	7,430	7,663	234	3.1%
7.4%	7,387	7,655	268	3.6%
8.6%	7,371	7,629	258	3.5%
9.9%	7,340	7,598	259	3.5%
11.1%	7,304	7,548	244	3.3%
12.3%	7,254	7,533	278	3.8%
13.6%	7,251	7,485	234	3.2%
14.8%	7,192	7,468	276	3.8%
16.0%	7,173	7,376	204	2.8%
17.3%	7,117	7,350	233	3.3%
18.5%	7,105	7,349	245	3.4%
19.8%	7,090	7,349	259	3.6%
21.0%	7,088	7,323	235	3.3%
22.2%	7,063	7,320	257	3.6%
23.5%	7,060	7,275	215	3.1%
24.7%	7,059	7,262	204	2.9%
25.9%	7,058	7,251	193	2.7%
27.2%	7,046	7,250	204	2.9%
28.4%	7,038	7,240	202	2.9%
29.6%	7,032	7,176	144	2.1%
30.9%	7,025	7,144	118	1.7%
32.1%	7,001	7,122	121	1.7%
33.3%	6,989	7,114	125	1.8%
34.6%	6,987	7,041	54	0.8%
35.8%	6,975	7,025	51	0.7%
37.0%	6,960	7,003	43	0.6%
38.3%	6,954	6,982	28	0.4%
39.5%	6,932	6,978	46	0.7%
40.7%	6,921	6,976	55	0.8%
42.0%	6,912	6,951	39	0.6%
43.2%	6,855	6,930	74	1.1%
44.4%	6,840	6,925	86	1.3%
45.7%	6,824	6,916	92	1.4%
46.9%	6,811	6,907	96	1.4%
48.1%	6,742	6,903	160	2.4%
49.4%	6,727	6,890	163	2.4%
50.6%	6,722	6,871	150	2.2%
51.9%	6,713	6,859	147	2.2%
53.1%	6,707	6,811	104	1.6%
54.3%	6,706	6,804	98	1.5%
55.6%	6,659	6,770	111	1.7%
56.8%	6,646	6,729	83	1.2%
58.0%	6,640	6,721	81	1.2%
59.3%	6,586	6,658	72	1.1%
60.5%	6,583	6,645	62	0.9%
61.7%	6,575	6,636	61	0.9%
63.0%	6,571	6,635	64	1.0%
64.2%	6,525	6,585	60	0.9%
65.4%	6,510	6,583	73	1.1%
66.7%	6,506	6,525	19	0.3%
67.9%	6,481	6,515	34	0.5%
69.1%	6,428	6,509	81	1.3%
70.4%	6,417	6,428	11	0.2%
71.6%	6,410	6,414	5	0.1%
72.8%	6,399	6,388	-11	-0.2%
74.1%	6,395	6,363	-32	-0.5%
75.3%	6,273	6,349	76	1.2%
76.5%	6,260	6,288	28	0.4%
77.8%	6,216	6,275	59	1.0%
79.0%	6,032	6,214	182	3.0%
80.2%	5,931	6,193	262	4.4%
81.5%	5,900	6,113	213	3.6%
82.7%	5,801	6,078	277	4.8%
84.0%	5,769	6,073	304	5.3%
85.2%	5,659	6,010	350	6.2%
86.4%	5,180	5,958	778	15.0%
87.7%	5,058	5,811	753	14.9%
88.9%	4,832	5,799	967	20.0%
90.1%	4,765	5,785	1,020	21.4%
91.4%	4,666	5,591	925	19.8%
92.6%	4,628	5,558	930	20.1%
93.8%	4,529	4,970	441	9.7%
95.1%	4,299	4,853	553	12.9%
96.3%	4,255	4,718	463	10.9%
97.5%	4,208	4,398	190	4.5%
98.8%	4,156	4,228	72	1.7%
100.0%	4,148	4,214	66	1.6%

	September			
Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,142	9,067	-75	-0.8%
1.2%	9,123	9,023	-100	-1.1%
2.5%	9,017	8,969	-48	-0.5%
3.7%	8,941	8,901	-40	-0.4%
4.9%	8,747	8,720	-27	-0.3%
6.2%	8,625	8,651	26	0.3%
7.4%	8,574	8,579	5	0.1%
8.6%	8,545	8,497	-48	-0.6%
9.9%	8,333	8,425	91	1.1%
11.1%	8,219	8,334	116	1.4%
12.3%	8,172	8,251	79	1.0%
13.6%	8,125	8,110	-15	-0.2%
14.8%	7,964	8,093	130	1.6%
16.0%	7,919	7,981	62	0.8%
17.3%	7,815	7,910	95	1.2%
18.5%	7,007	7,722	715	10.2%
19.8%	6,926	6,516	-410	-5.9%
21.0%	6,298	6,339	41	0.6%
22.2%	6,112	6,279	167	2.7%
23.5%	6,083	6,184	101	1.7%
24.7%	6,027	6,160	134	2.2%
25.9%	5,978	6,145	166	2.8%
27.2%	5,881	6,101	219	3.7%
28.4%	5,786	6,074	287	5.0%
29.6%	5,750	6,036	286	5.0%
30.9%	5,749	6,023	274	4.8%
32.1%	5,742	5,988	246	4.3%
33.3%	5,731	5,957	226	3.9%
34.6%	5,721	5,951	230	4.0%
35.8%	5,705	5,924	219	3.8%
37.0%	5,626	5,872	246	4.4%
38.3%	5,614	5,777	163	2.9%
39.5%	5,585	5,743	158	2.8%
40.7%	5,544	5,736	192	3.5%
42.0%	5,544	5,729	185	3.3%
43.2%	5,497	5,724	228	4.1%
44.4%	5,450	5,679	229	4.2%
45.7%	5,442	5,650	208	3.8%
46.9%	5,408	5,636	228	4.2%
48.1%	5,364	5,627	263	4.9%
49.4%	5,333	5,609	275	5.2%
50.6%	5,314	5,555	242	4.5%
51.9%	5,246	5,499	253	4.8%
53.1%	5,215	5,462	247	4.7%
54.3%	5,210	5,448	239	4.6%
55.6%	5,100	5,443	343	6.7%
56.8%	5,100	5,393	293	5.7%
58.0%	4,988	5,364	375	7.5%
59.3%	4,922	5,347	425	8.6%
60.5%	4,864	5,251	387	8.0%
61.7%	4,850	4,988	139	2.9%
63.0%	4,821	4,944	123	2.5%
64.2%	4,808	4,890	82	1.7%
65.4%	4,780	4,855	75	1.6%
66.7%	4,776	4,842	65	1.4%
67.9%	4,761	4,831	71	1.5%
69.1%	4,735	4,830	94	2.0%
70.4%	4,730	4,810	80	1.7%
71.6%	4,726	4,800	74	1.6%
72.8%	4,710	4,789	79	1.7%
74.1%	4,705	4,784	79	1.7%
75.3%	4,680	4,781	100	2.1%
76.5%	4,656	4,744	88	1.9%
77.8%	4,575	4,737	162	3.5%
79.0%	4,543	4,718	176	3.9%
80.2%	4,517	4,704	188	4.2%
81.5%	4,413	4,663	250	5.7%
82.7%	4,376	4,657	281	6.4%
84.0%	4,346	4,648	302	6.9%
85.2%	4,339	4,593	254	5.9%
86.4%	4,309	4,575	267	6.2%
87.7%	4,306	4,574	268	6.2%
88.9%	4,303	4,536	233	5.4%
90.1%	4,301	4,513	212	4.9%
91.4%	4,298	4,345	47	1.1%
92.6%	4,298	4,329	31	0.7%
93.8%	4,284	4,302	18	0.4%
95.1%	4,283	4,301	18	0.4%
96.3%	4,249	4,284	35	0.8%
97.5%	4,242	4,282	40	0.9%
98.8%	4,228	4,249	21	0.5%
100.0%	4,200	4,177	-23	-0.5%

Table SW-35-9a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	-6,024	-6,006	-6,736	-3,456	-3,185	-2,843	752	265	-3,714	-9,532	-9,171	-7,712
Alternative D	-6,577	-6,796	-6,742	-3,624	-3,195	-2,755	747	258	-3,676	-9,634	-9,532	-8,425
Difference	-553	-790	-7	-168	-9	88	-5	-7	39	-102	-361	-713
Percent Difference[3]	-9.2%	-13.1%	-0.1%	-4.9%	-0.3%	3.1%	-0.7%	-2.6%	1.0%	-1.1%	-3.9%	-9.2%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	-6,186	-5,518	-7,037	-2,094	-2,518	-1,900	2,264	1,385	-4,208	-8,917	-10,406	-8,540
Alternative D	-7,543	-6,179	-7,267	-2,127	-2,382	-1,834	2,258	1,372	-4,242	-8,919	-10,286	-9,421
Difference	-1,358	-662	-231	-33	136	66	-6	-12	-34	-3	120	-881
Percent Difference	-21.9%	-12.0%	-3.3%	-1.6%	5.4%	3.5%	-0.3%	-0.9%	-0.8%	0.0%	1.2%	-10.3%
Above Normal (15%)												
No Action Alternative	-6,596	-6,082	-7,821	-3,723	-2,947	-4,269	910	415	-4,707	-9,954	-10,873	-8,531
Alternative D	-7,313	-7,599	-7,670	-3,652	-3,074	-4,153	908	412	-4,610	-10,143	-10,779	-9,350
Difference	-717	-1,517	151	72	-127	116	-3	-3	98	-189	94	-819
Percent Difference	-10.9%	-24.9%	1.9%	1.9%	-4.3%	2.7%	-0.3%	-0.8%	2.1%	-1.9%	0.9%	-9.6%
Below Normal (17%)												
No Action Alternative	-7,108	-8,187	-6,606	-4,240	-3,389	-3,923	637	248	-3,812	-10,867	-10,124	-8,484
Alternative D	-7,534	-8,645	-6,802	-4,198	-3,377	-3,935	635	247	-3,783	-10,852	-9,963	-8,806
Difference	-426	-458	-196	41	12	-12	-2	-1	29	15	162	-322
Percent Difference	-6.0%	-5.6%	-3.0%	1.0%	0.3%	-0.3%	-0.3%	-0.5%	0.8%	0.1%	1.6%	-3.8%
Dry (22%)												
No Action Alternative	-5,777	-6,519	-6,117	-4,527	-4,112	-2,884	-329	-671	-3,228	-10,750	-9,053	-7,376
Alternative D	-5,713	-7,437	-6,234	-4,817	-4,066	-2,748	-308	-628	-3,142	-10,848	-9,950	-8,272
Difference	64	-918	-117	-290	47	136	21	43	86	-97	-897	-896
Percent Difference	1.1%	-14.1%	-1.9%	-6.4%	1.1%	4.7%	6.2%	6.4%	2.7%	-0.9%	-9.9%	-12.2%
Critical (15%)												
No Action Alternative	-4,206	-3,674	-6,076	-3,620	-3,241	-2,140	-925	-890	-2,266	-7,060	-3,856	-4,702
Alternative D	-3,924	-4,209	-5,369	-4,381	-3,557	-1,989	-971	-971	-2,188	-7,434	-5,518	-5,125
Difference	282	-535	707	-761	-315	152	-46	-80	77	-374	-1,663	-423
Percent Difference	6.7%	-14.5%	11.6%	-21.0%	-9.7%	7.1%	-5.0%	-9.0%	3.4%	-5.3%	-43.1%	-9.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-35-9b
Old and Middle River, Monthly Flow
Probability of Exceedance

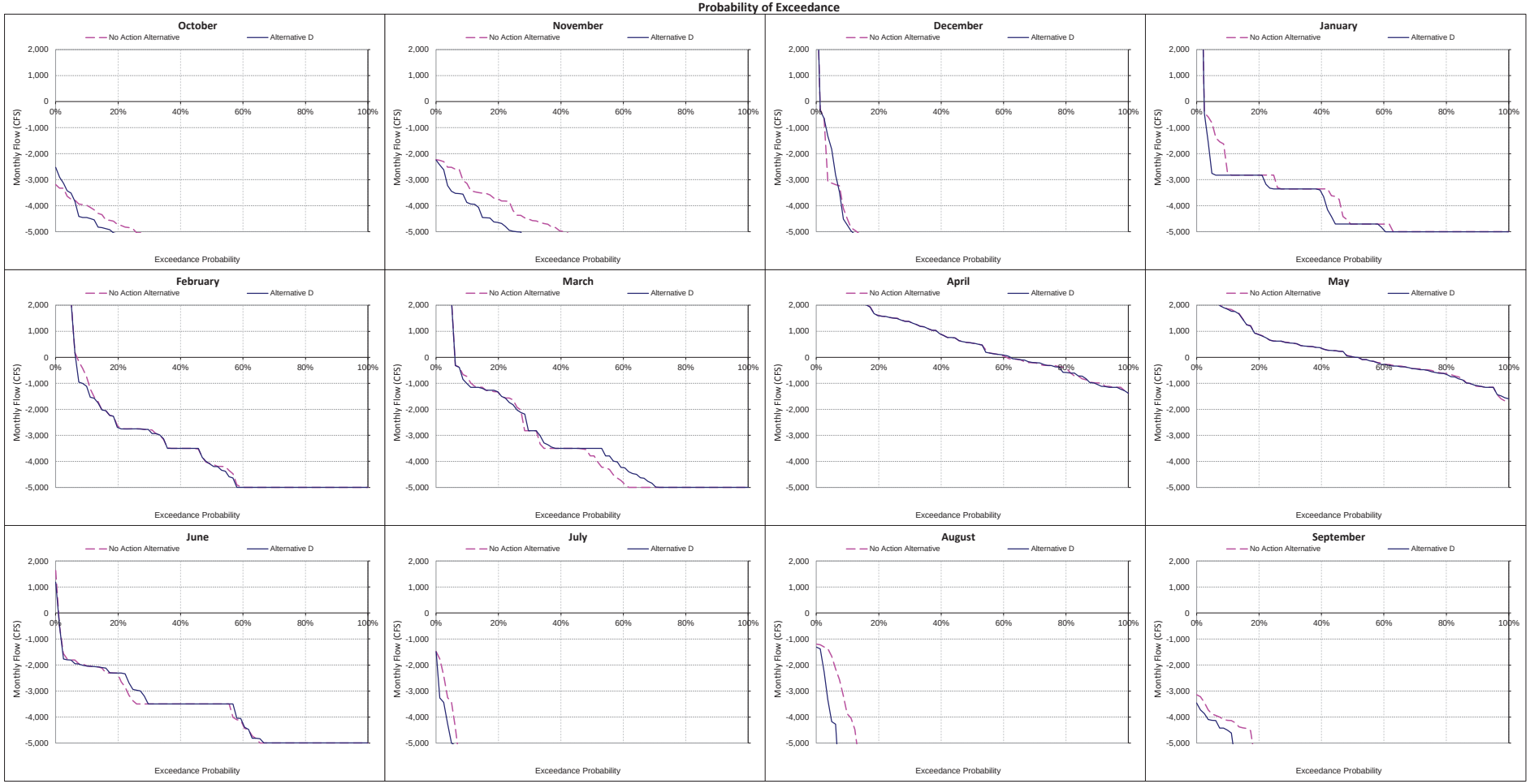

Table SW-35-9b
Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,190	-2,525	665	
1.2%	-3,326	-2,911	415	
2.5%	-3,330	-3,137	193	
3.7%	-3,641	-3,427	214	
4.9%	-3,750	-3,520	230	
6.2%	-3,785	-3,834	-48	
7.4%	-3,936	-4,420	-484	
8.6%	-3,959	-4,451	-492	
9.9%	-3,981	-4,452	-472	
11.1%	-4,068	-4,494	-427	
12.3%	-4,163	-4,548	-385	
13.6%	-4,295	-4,825	-530	
14.8%	-4,345	-4,843	-498	
16.0%	-4,553	-4,888	-335	
17.3%	-4,561	-4,922	-360	
18.5%	-4,596	-5,042	-446	
19.8%	-4,721	-5,081	-360	
21.0%	-4,763	-5,121	-358	
22.2%	-4,824	-5,458	-634	
23.5%	-4,842	-5,487	-645	
24.7%	-4,883	-5,499	-616	
25.9%	-5,043	-5,505	-462	
27.2%	-5,046	-5,535	-489	
28.4%	-5,065	-5,544	-479	
29.6%	-5,136	-5,568	-432	
30.9%	-5,176	-5,583	-407	
32.1%	-5,180	-5,606	-426	
33.3%	-5,217	-5,639	-423	
34.6%	-5,302	-5,661	-359	
35.8%	-5,364	-5,707	-343	
37.0%	-5,374	-5,771	-397	
38.3%	-5,458	-5,822	-364	
39.5%	-5,519	-5,847	-328	
40.7%	-5,520	-5,873	-354	
42.0%	-5,535	-5,947	-413	
43.2%	-5,555	-5,951	-396	
44.4%	-5,606	-5,959	-353	
45.7%	-5,615	-6,003	-388	
46.9%	-5,661	-6,067	-406	
48.1%	-5,663	-6,135	-472	
49.4%	-5,679	-6,171	-492	
50.6%	-5,737	-6,495	-759	
51.9%	-5,762	-6,853	-1,091	
53.1%	-5,772	-6,892	-1,120	
54.3%	-5,791	-6,915	-1,124	
55.6%	-5,819	-7,044	-1,225	
56.8%	-5,819	-7,128	-1,309	
58.0%	-5,842	-7,129	-1,287	
59.3%	-5,880	-7,130	-1,251	
60.5%	-6,172	-7,210	-1,039	
61.7%	-6,189	-7,273	-1,084	
63.0%	-6,266	-7,298	-1,032	
64.2%	-6,323	-7,305	-982	
65.4%	-6,416	-7,523	-1,107	
66.7%	-6,422	-7,527	-1,104	
67.9%	-6,490	-7,533	-1,044	
69.1%	-6,631	-7,590	-959	
70.4%	-6,704	-7,780	-1,076	
71.6%	-6,775	-7,828	-1,053	
72.8%	-6,790	-7,838	-1,049	
74.1%	-6,831	-7,907	-1,076	
75.3%	-6,878	-7,928	-1,050	
76.5%	-6,956	-7,991	-1,035	
77.8%	-7,052	-8,015	-963	
79.0%	-7,201	-8,072	-871	
80.2%	-7,456	-8,118	-663	
81.5%	-7,651	-8,228	-577	
82.7%	-7,775	-8,508	-733	
84.0%	-7,834	-8,514	-680	
85.2%	-7,952	-8,525	-574	
86.4%	-8,074	-8,537	-463	
87.7%	-8,092	-8,587	-495	
88.9%	-8,107	-8,716	-609	
90.1%	-8,162	-8,836	-674	
91.4%	-8,531	-8,837	-306	
92.6%	-8,684	-8,989	-304	
93.8%	-8,989	-9,045	-56	
95.1%	-9,008	-9,053	-44	
96.3%	-9,645	-9,364	281	
97.5%	-9,686	-9,686	0	
98.8%	-10,127	-10,320	-193	
100.0%	-10,427	-10,427	0	

November

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,230	-2,249	-19	
1.2%	-2,257	-2,442	-184	
2.5%	-2,309	-2,619	-309	
3.7%	-2,522	-3,222	-700	
4.9%	-2,526	-3,447	-921	
6.2%	-2,598	-3,531	-933	
7.4%	-2,600	-3,533	-933	
8.6%	-3,032	-3,556	-524	
9.9%	-3,144	-3,872	-727	
11.1%	-3,420	-3,933	-512	
12.3%	-3,465	-3,946	-480	
13.6%	-3,495	-4,062	-567	
14.8%	-3,519	-4,456	-937	
16.0%	-3,530	-4,462	-933	
17.3%	-3,589	-4,476	-887	
18.5%	-3,710	-4,623	-913	
19.8%	-3,732	-4,646	-914	
21.0%	-3,817	-4,686	-869	
22.2%	-3,822	-4,792	-970	
23.5%	-3,839	-4,948	-1,109	
24.7%	-4,189	-4,984	-795	
25.9%	-4,369	-5,009	-640	
27.2%	-4,373	-5,019	-646	
28.4%	-4,468	-5,440	-972	
29.6%	-4,515	-5,556	-1,041	
30.9%	-4,576	-5,576	-1,000	
32.1%	-4,589	-5,675	-1,086	
33.3%	-4,647	-5,750	-1,103	
34.6%	-4,686	-5,755	-1,069	
35.8%	-4,716	-5,783	-1,067	
37.0%	-4,826	-5,953	-1,127	
38.3%	-4,843	-5,962	-1,120	
39.5%	-4,962	-6,106	-1,144	
40.7%	-4,996	-6,153	-1,156	
42.0%	-5,042	-6,219	-1,177	
43.2%	-5,116	-6,256	-1,140	
44.4%	-5,127	-6,266	-1,138	
45.7%	-5,182	-6,309	-1,127	
46.9%	-5,266	-6,367	-1,101	
48.1%	-5,437	-6,468	-1,031	
49.4%	-5,593	-6,686	-1,093	
50.6%	-5,747	-6,763	-1,016	
51.9%	-5,750	-6,764	-1,014	
53.1%	-5,848	-6,812	-963	
54.3%	-5,850	-6,954	-1,104	
55.6%	-5,967	-7,004	-1,036	
56.8%	-5,993	-7,066	-1,073	
58.0%	-6,102	-7,097	-995	
59.3%	-6,115	-7,310	-1,195	
60.5%	-6,125	-7,481	-1,356	
61.7%	-6,128	-7,821	-1,693	
63.0%	-6,346	-7,835	-1,489	
64.2%	-6,454	-7,862	-1,408	
65.4%	-6,465	-7,869	-1,404	
66.7%	-6,467	-7,870	-1,403	
67.9%	-6,787	-8,073	-1,286	
69.1%	-7,096	-8,256	-1,160	
70.4%	-7,276	-8,274	-999	
71.6%	-7,379	-8,293	-914	
72.8%	-7,560	-8,380	-820	
74.1%	-7,843	-8,422	-580	
75.3%	-7,946	-8,448	-502	
76.5%	-8,012	-8,686	-674	
77.8%	-8,126	-8,775	-649	
79.0%	-8,491	-8,915	-424	
80.2%	-8,676	-8,934	-258	
81.5%	-8,830	-9,309	-479	
82.7%	-9,045	-9,309	-264	
84.0%	-9,105	-9,720	-615	
85.2%	-9,180	-9,899	-719	
86.4%	-9,182	-9,916	-734	
87.7%	-9,899	-10,058	-159	
88.9%	-9,916	-10,082	-166	
90.1%	-10,058	-10,196	-138	
91.4%	-10,082	-10,204	-122	
92.6%	-10,196	-10,219	-23	
93.8%	-10,204	-10,230	-26	
95.1%	-10,230	-10,233	-3	
96.3%	-10,239	-10,240	0	
97.5%	-10,282	-10,277	5	
98.8%	-10,318	-10,282	37	
100.0%	-10,497	-10,318	179	

December

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,594	5,524	-69	-1.2%
1.2%	-304	-338	-35	
2.5%	-621	-654	-32	
3.7%	-3,102	-1,323	1,778	
4.9%	-3,130	-1,825	1,305	
6.2%	-3,194	-2,813	380	
7.4%	-3,238	-3,477	-239	
8.6%	-4,099	-4,511	-412	
9.9%	-4,489	-4,742	-253	
11.1%	-4,849	-4,965	-116	
12.3%	-4,947	-5,103	-156	
13.6%	-5,061	-5,124	-63	
14.8%	-5,247	-5,220	27	
16.0%	-5,464	-5,256	208	
17.3%	-5,519	-5,272	247	
18.5%	-5,871	-5,435	436	
19.8%	-5,871	-5,487	384	
21.0%	-5,871	-5,502	369	
22.2%	-5,871	-5,839	32	
23.5%	-5,871	-5,871	0	
24.7%	-5,871	-5,871	0	
25.9%	-5,871	-5,871	0	
27.2%	-5,871	-5,871	0	
28.4%	-5,871	-5,871	0	
29.6%	-5,871	-5,871	0	
30.9%	-5,871	-5,871	0	
32.1%	-5,871	-5,871	0	
33.3%	-5,871	-5,871	0	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,977	-5,871	106	
50.6%	-6,389	-5,871	518	
51.9%	-6,497	-5,871	626	
53.1%	-6,574	-5,998	576	
54.3%	-6,784	-6,556	228	
55.6%	-6,813	-6,662	151	
56.8%	-7,107	-6,842	265	
58.0%	-7,177	-7,598	-421	
59.3%	-7,507	-7,713	-206	
60.5%	-7,516	-7,808	-293	
61.7%	-7,607	-7,991	-384	
63.0%	-7,935	-8,208	-273	
64.2%	-7,955	-8,298	-343	
65.4%	-8,075	-8,446	-371	
66.7%	-8,232	-8,470	-238	
67.9%	-8,342	-8,848	-506	
69.1%	-8,375	-8,849	-473	
70.4%	-8,513	-8,887	-374	
71.6%	-8,547	-8,918	-371	
72.8%	-8,599	-8,961	-362	
74.1%	-8,676	-9,007	-330	
75.3%	-8,789	-9,030	-241	
76.5%	-8,794	-9,067	-273	
77.8%	-8,885	-9,073	-188	
79.0%	-8,887	-9,407	-519	
80.2%	-8,931	-9,449	-518	
81.5%	-9,175	-9,495	-320	
82.7%	-9,269	-9,511	-242	
84.0%	-9,495	-9,528	-33	
85.2%	-9,500	-9,551	-51	
86.4%	-9,511	-9,570	-59	
87.7%	-9,558	-9,653	-96	
88.9%	-9,654	-9,676	-22	
90.1%	-9,687	-9,683	4	
91.4%	-9,696	-9,687	9	
92.6%	-9,710	-9,696	15	
93.8%	-9,715	-9,710	4	
95.1%	-9,715	-9,715	0	
96.3%	-9,737	-9,715	22	
97.5%	-9,817	-9,737	80	
98.8%	-10,013	-9,765	248	
100.0%	-10,138	-9,817	321	

January

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,020	24,999	-21	-0.1%
1.2%	8,268	8,028	-240	-2.9%
2.5%	-428	-444	-16	
3.7%	-585	-1,570	-985	
4.9%	-823	-2,757	-1,935	
6.2%	-1,398	-2,823	-1,425	
7.4%	-1,544	-2,823	-1,278	
8.6%	-1,625	-2,823	-1,198	
9.9%	-2,723	-2,823	-100	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823	0	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-2,823	0	
22.2%	-2,823	-3,178	-355	
23.5%	-2,823	-3,331	-509	
24.7%	-2,823	-3,355	-532	
25.9%	-3,308	-3,355	-47	
27.2%	-3,355	-3,355	0	
28.4%	-3,355	-3,355	0	
29.6%	-3,355	-3,355	0	
30.9%	-3,355	-3,355	0	
32.1%	-3,355	-3,355	0	
33.3%	-3,355	-3,355	0	
34.6%	-3,355	-3,355	0	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,355	0	
39.5%	-3,355	-3,397	-43	
40.7%	-3,355	-3,656	-301	
42.0%	-3,355	-4,152	-797	
43.2%	-3,617	-4,420	-803	
44.4%	-3,645	-4,710	-1,065	
45.7%	-3,756	-4,710	-953	
46.9%	-4,417	-4,710	-293	
48.1%	-4,533	-4,710	-176	
49.4%	-4,710	-4,710	0	
50.6%	-4,710	-4,710	0	
51.9%	-4,710	-4,710	0	
53.1%	-4,710	-4,710	0	
54.3%	-4,710	-4,710	0	
55.6%	-4,710	-4,710	0	
56.8%	-4,710	-4,710	0	
58.0%	-4,710	-4,710	0	
59.3%	-4,710	-4,834	-124	
60.5%	-4,710	-5,000	-290	
61.7%	-4,710	-5,000	-290	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-9b

Old and Middle River, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,732	14,342	-390	-2.6%
1.2%	6,087	10,541	4,454	73.2%
2.5%	5,800	4,521	-1,279	-22.1%
3.7%	4,633	4,337	-296	-6.4%
4.9%	2,201	2,172	-28	-1.3%
6.2%	183	158	-25	-13.5%
7.4%	-162	-952	-790	
8.6%	-423	-1,001	-578	
9.9%	-750	-1,111	-361	
11.1%	-1,229	-1,531	-302	
12.3%	-1,531	-1,575	-44	
13.6%	-1,711	-1,755	-44	
14.8%	-2,027	-2,027	0	
16.0%	-2,054	-2,054	0	
17.3%	-2,233	-2,233	0	
18.5%	-2,268	-2,268	0	
19.8%	-2,629	-2,695	-66	
21.0%	-2,750	-2,750	0	
22.2%	-2,750	-2,750	0	
23.5%	-2,750	-2,750	0	
24.7%	-2,750	-2,750	0	
25.9%	-2,750	-2,750	0	
27.2%	-2,750	-2,750	0	
28.4%	-2,776	-2,776	0	
29.6%	-2,776	-2,776	0	
30.9%	-2,794	-2,931	-137	
32.1%	-2,931	-2,936	-5	
33.3%	-2,983	-2,983	0	
34.6%	-3,161	-3,129	32	
35.8%	-3,482	-3,500	-18	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,527	-3,500	27	
46.9%	-3,823	-3,856	-32	
48.1%	-4,032	-4,005	27	
49.4%	-4,081	-4,098	-18	
50.6%	-4,129	-4,196	-67	
51.9%	-4,196	-4,196	0	
53.1%	-4,196	-4,337	-141	
54.3%	-4,207	-4,379	-171	
55.6%	-4,355	-4,586	-231	
56.8%	-4,480	-4,642	-162	
58.0%	-4,906	-4,997	-91	
59.3%	-4,979	-5,000	-21	
60.5%	-5,000	-5,000	0	
61.7%	-5,000	-5,000	0	
63.0%	-5,000	-5,000	0	
64.2%	-5,000	-5,000	0	
65.4%	-5,000	-5,000	0	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,361	24,341	-20	-0.1%
1.2%	8,574	8,304	-270	-3.2%
2.5%	8,324	7,799	-525	-6.3%
3.7%	5,081	5,143	61	1.2%
4.9%	2,271	2,168	-103	-4.5%
6.2%	-314	-314	0	
7.4%	-369	-389	-20	
8.6%	-662	-841	-179	
9.9%	-735	-1,007	-272	
11.1%	-984	-1,150	-166	
12.3%	-1,115	-1,150	-36	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,193	-43	
16.0%	-1,269	-1,269	0	
17.3%	-1,269	-1,269	0	
18.5%	-1,320	-1,269	50	
19.8%	-1,328	-1,328	0	
21.0%	-1,506	-1,506	0	
22.2%	-1,564	-1,566	-2	
23.5%	-1,566	-1,734	-168	
24.7%	-1,639	-1,827	-188	
25.9%	-1,919	-2,024	-105	
27.2%	-2,024	-2,122	-98	
28.4%	-2,823	-2,181	642	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,823	0	
33.3%	-3,333	-3,016	317	
34.6%	-3,500	-3,293	207	
35.8%	-3,500	-3,360	140	
37.0%	-3,500	-3,457	43	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,524	-3,500	24	
48.1%	-3,550	-3,500	50	
49.4%	-3,790	-3,500	290	
50.6%	-3,790	-3,500	290	
51.9%	-4,032	-3,500	532	
53.1%	-4,226	-3,500	726	
54.3%	-4,239	-3,790	449	
55.6%	-4,311	-3,790	521	
56.8%	-4,516	-3,987	530	
58.0%	-4,639	-4,022	617	
59.3%	-4,738	-4,226	512	
60.5%	-4,885	-4,254	632	
61.7%	-5,000	-4,399	601	
63.0%	-5,000	-4,471	529	
64.2%	-5,000	-4,497	503	
65.4%	-5,000	-4,633	367	
66.7%	-5,000	-4,654	346	
67.9%	-5,000	-4,766	234	
69.1%	-5,000	-4,834	166	
70.4%	-5,000	-4,985	15	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,818	4,806	-12	-0.2%
1.2%	4,653	4,631	-22	-0.5%
2.5%	4,471	4,460	-12	-0.3%
3.7%	4,361	4,338	-22	-0.5%
4.9%	4,264	4,253	-12	-0.3%
6.2%	3,850	3,838	-12	-0.3%
7.4%	3,408	3,396	-12	-0.3%
8.6%	2,984	2,973	-12	-0.4%
9.9%	2,951	2,940	-11	-0.4%
11.1%	2,686	2,674	-12	-0.4%
12.3%	2,666	2,654	-12	-0.4%
13.6%	2,368	2,358	-10	-0.4%
14.8%	2,058	2,040	-18	-0.9%
16.0%	2,026	2,014	-12	-0.6%
17.3%	1,933	1,933	0	0.0%
18.5%	1,680	1,680	0	0.0%
19.8%	1,615	1,604	-11	-0.7%
21.0%	1,580	1,581	0	0.0%
22.2%	1,568	1,568	0	0.0%
23.5%	1,531	1,531	0	0.0%
24.7%	1,509	1,509	0	0.0%
25.9%	1,505	1,492	-12	-0.8%
27.2%	1,434	1,434	0	0.0%
28.4%	1,395	1,384	-11	-0.8%
29.6%	1,378	1,378	0	0.0%
30.9%	1,312	1,312	0	0.0%
32.1%	1,261	1,261	0	0.0%
33.3%	1,188	1,188	0	0.0%
34.6%	1,172	1,172	0	0.0%
35.8%	1,098	1,098	0	0.0%
37.0%	1,042	1,042	0	0.0%
38.3%	1,035	1,035	0	0.0%
39.5%	913	913	0	0.0%
40.7%	843	842	0	0.0%
42.0%	766	766	0	0.0%
43.2%	757	757	0	0.0%
44.4%	745	745	0	0.0%
45.7%	641	641	0	0.0%
46.9%	605	605	0	0.0%
48.1%	570	570	0	0.0%
49.4%	559	559	0	0.0%
50.6%	533	533	0	0.0%
51.9%	505	505	0	0.0%
53.1%	472	472	0	0.0%
54.3%	280	196	-83	-29.9%
55.6%	163	163	0	-0.3%
56.8%	141	141	0	0.0%
58.0%	117	117	0	0.0%
59.3%	78	97	19	24.8%
60.5%	28	78	50	
61.7%	-53	28	81	
63.0%	-66	-53	13	
64.2%	-80	-65	15	
65.4%	-98	-98	0	
66.7%	-170	-108	62	
67.9%	-201	-170	31	
69.1%	-206	-201	5	
70.4%	-219	-206	13	
71.6%	-276	-219	57	
72.8%	-309	-276	33	
74.1%	-315	-315	0	
75.3%	-319	-321	-2	
76.5%	-321	-362	-41	
77.8%	-362	-379	-17	
79.0%	-379	-575	-195	
80.2%	-438	-591	-152	
81.5%	-601	-601	0	
82.7%	-718	-609	110	
84.0%	-727	-718	9	
85.2%	-827	-727	100	
86.4%	-864	-827	37	
87.7%	-957	-978	-21	
88.9%	-978	-989	-11	
90.1%	-987	-1,043	-57	
91.4%	-989	-1,119	-131	
92.6%	-1,119	-1,120	-1	
93.8%	-1,119	-1,150	-31	
95.1%	-1,150	-1,150	0	
96.3%	-1,150	-1,150	0	
97.5%	-1,150	-1,228	-77	
98.8%	-1,287	-1,286	0	
100.0%	-1,380	-1,381	0	

May

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,937	3,920	-17	-0.4%
1.2%	3,848	3,831	-17	-0.4%
2.5%	3,813	3,746	-67	-1.8%
3.7%	3,673	3,656	-17	-0.5%
4.9%	2,846	2,830	-17	-0.6%
6.2%	2,802	2,785	-17	-0.6%
7.4%	2,008	1,991	-17	-0.9%
8.6%	1,929	1,912	-17	-0.9%
9.9%	1,865	1,855	-10	-0.5%
11.1%	1,840	1,767	-73	-3.9%
12.3%	1,759	1,759	0	0.0%
13.6%	1,687	1,669	-17	-1.0%
14.8%	1,474	1,457	-17	-1.1%
16.0%	1,253	1,254	1	0.1%
17.3%	1,220	1,204	-16	-1.3%
18.5%	940	931	-9	-1.0%
19.8%	884	884	0	0.0%
21.0%	832	823	-9	-1.1%
22.2%	751	751	0	0.0%
23.5%	659	659	0	0.0%
24.7%	627	626	0	-0.1%
25.9%	621	621	0	0.0%
27.2%	617	617	0	0.0%
28.4%	581	572	-9	-1.5%
29.6%	572	557	-15	-2.6%
30.9%	543	543	0	-0.1%
32.1%	518	518	0	0.0%
33.3%	454	454	0	0.0%
34.6%	431	431	0	0.1%
35.8%	422	421	-1	-0.1%
37.0%	409	410	0	0.0%
38.3%	383	383	0	0.0%
39.5%	370	369	0	0.0%
40.7%	313	315	1	0.4%
42.0%	275	275	0	0.0%
43.2%	260	260	0	-0.2%
44.4%	256	256	0	0.0%
45.7%	231	231	0	0.0%
46.9%	227	227	0	-0.1%
48.1%	76	52	-25	-32.3%
49.4%	35	35	-1	-1.6%
50.6%	0	0	0	
51.9%	-11	-10	1	
53.1%	-88	-88	0	
54.3%	-89	-89	0	
55.6%	-137	-137	0	
56.8%	-159	-159	0	
58.0%	-202	-213	-11	
59.3%	-214	-277	-63	
60.5%	-277	-280	-3	
61.7%	-280	-312	-33	
63.0%	-312	-332	-19	
64.2%	-332	-335	-3	
65.4%	-335	-364	-29	
66.7%	-365	-366	-1	
67.9%	-400	-400	0	
69.1%	-435	-440	-5	
70.4%	-441	-444	-4	
71.6%	-444	-478	-34	
72.8%	-478	-480	-3	
74.1%	-481	-506	-24	
75.3%	-506	-559	-53	
76.5%	-559	-586	-27	
77.8%	-586	-619	-33	
79.0%	-619	-620	-1	
80.2%	-620	-667	-46	
81.5%	-667	-742	-75	
82.7%	-715	-752	-37	
84.0%	-752	-827	-75	
85.2%	-827	-864	-36	
86.4%	-983	-983	0	
87.7%	-1,008	-1,007	1	
88.9%	-1,093	-1,063	31	
90.1%	-1,116	-1,093	23	
91.4%	-1,126	-1,125	0	
92.6%	-1,150	-1,150	0	
93.8%	-1,150	-1,150	0	
95.1%	-1,150	-1,150	0	
96.3%	-1,435	-1,434	1	
97.5%	-1,590	-1,481	110	
98.8%	-1,675	-1,558	117	
100.0%	-1,737	-1,591	147	

Table SW-35-9b

Old and Middle River, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,633	1,188	-445	-27.3%
1.2%	-495	-532	-37	
2.5%	-1,557	-1,773	-216	
3.7%	-1,773	-1,801	-28	
4.9%	-1,801	-1,810	-9	
6.2%	-1,812	-1,952	-141	
7.4%	-1,952	-1,955	-3	
8.6%	-1,958	-2,021	-64	
9.9%	-2,033	-2,032	1	
11.1%	-2,054	-2,051	4	
12.3%	-2,069	-2,068	1	
13.6%	-2,070	-2,070	0	
14.8%	-2,122	-2,097	25	
16.0%	-2,302	-2,122	181	
17.3%	-2,308	-2,304	4	
18.5%	-2,308	-2,308	0	
19.8%	-2,314	-2,310	5	
21.0%	-2,650	-2,314	336	
22.2%	-2,847	-2,336	511	
23.5%	-3,163	-2,688	476	
24.7%	-3,371	-2,936	435	
25.9%	-3,500	-2,968	532	
27.2%	-3,500	-2,999	501	
28.4%	-3,500	-3,200	300	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-4,014	-3,500	514	
58.0%	-4,105	-4,044	62	
59.3%	-4,128	-4,053	75	
60.5%	-4,435	-4,392	43	
61.7%	-4,489	-4,473	16	
63.0%	-4,730	-4,818	-89	
64.2%	-4,833	-4,819	13	
65.4%	-5,000	-4,833	167	
66.7%	-5,000	-5,000	0	
67.9%	-5,000	-5,000	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,478	-1,492	-14	
1.2%	-1,775	-3,270	-1,495	
2.5%	-2,421	-3,437	-1,016	
3.7%	-3,257	-4,254	-998	
4.9%	-3,424	-5,005	-1,582	
6.2%	-4,398	-5,088	-690	
7.4%	-5,587	-5,600	-14	
8.6%	-5,781	-5,997	-216	
9.9%	-6,148	-6,087	61	
11.1%	-6,329	-6,475	-146	
12.3%	-7,599	-7,599	0	
13.6%	-7,698	-7,697	1	
14.8%	-7,722	-7,774	-52	
16.0%	-7,774	-7,828	-54	
17.3%	-7,814	-7,875	-61	
18.5%	-7,940	-7,956	-16	
19.8%	-8,167	-8,167	0	
21.0%	-8,608	-8,400	207	
22.2%	-8,721	-8,720	1	
23.5%	-8,847	-8,847	0	
24.7%	-9,024	-9,092	-68	
25.9%	-9,092	-9,152	-59	
27.2%	-9,152	-9,160	-8	
28.4%	-9,164	-9,192	-28	
29.6%	-9,230	-9,230	0	
30.9%	-9,373	-9,611	-238	
32.1%	-9,549	-9,623	-74	
33.3%	-9,682	-9,689	-7	
34.6%	-9,688	-9,714	-26	
35.8%	-9,709	-9,825	-116	
37.0%	-9,771	-9,867	-96	
38.3%	-9,779	-10,069	-290	
39.5%	-9,872	-10,073	-201	
40.7%	-10,055	-10,094	-39	
42.0%	-10,095	-10,116	-21	
43.2%	-10,101	-10,136	-35	
44.4%	-10,116	-10,248	-132	
45.7%	-10,135	-10,276	-141	
46.9%	-10,248	-10,287	-38	
48.1%	-10,251	-10,347	-96	
49.4%	-10,420	-10,367	53	
50.6%	-10,473	-10,406	67	
51.9%	-10,585	-10,587	-2	
53.1%	-10,596	-10,618	-22	
54.3%	-10,617	-10,653	-36	
55.6%	-10,643	-10,684	-41	
56.8%	-10,671	-10,718	-47	
58.0%	-10,733	-10,735	-3	
59.3%	-10,740	-10,738	2	
60.5%	-10,775	-10,786	-11	
61.7%	-10,812	-10,807	5	
63.0%	-10,885	-10,841	43	
64.2%	-10,929	-10,885	44	
65.4%	-10,969	-10,981	-12	
66.7%	-10,983	-10,983	0	
67.9%	-11,030	-11,020	11	
69.1%	-11,037	-11,039	-3	
70.4%	-11,043	-11,043	-1	
71.6%	-11,063	-11,045	18	
72.8%	-11,081	-11,103	-22	
74.1%	-11,102	-11,148	-46	
75.3%	-11,175	-11,174	1	
76.5%	-11,198	-11,203	-5	
77.8%	-11,201	-11,204	-3	
79.0%	-11,217	-11,205	12	
80.2%	-11,218	-11,243	-26	
81.5%	-11,218	-11,270	-52	
82.7%	-11,222	-11,329	-107	
84.0%	-11,264	-11,342	-78	
85.2%	-11,271	-11,359	-88	
86.4%	-11,329	-11,401	-72	
87.7%	-11,352	-11,417	-65	
88.9%	-11,366	-11,418	-52	
90.1%	-11,400	-11,452	-52	
91.4%	-11,417	-11,454	-37	
92.6%	-11,486	-11,486	0	
93.8%	-11,487	-11,497	-10	
95.1%	-11,536	-11,499	37	
96.3%	-11,570	-11,604	-34	
97.5%	-11,603	-11,605	-2	
98.8%	-11,637	-11,646	-9	
100.0%	-11,709	-11,649	60	

August

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,197	-1,306	-109	
1.2%	-1,220	-1,376	-156	
2.5%	-1,306	-2,266	-960	
3.7%	-1,376	-3,327	-1,951	
4.9%	-1,671	-4,180	-2,510	
6.2%	-2,153	-4,277	-2,125	
7.4%	-2,561	-6,623	-4,062	
8.6%	-3,181	-6,820	-3,639	
9.9%	-3,873	-6,932	-3,059	
11.1%	-4,043	-7,040	-2,997	
12.3%	-4,481	-7,107	-2,627	
13.6%	-5,592	-7,135	-1,543	
14.8%	-6,334	-7,290	-956	
16.0%	-7,005	-7,402	-397	
17.3%	-7,136	-7,425	-290	
18.5%	-7,290	-7,724	-434	
19.8%	-7,403	-7,785	-383	
21.0%	-7,795	-8,100	-305	
22.2%	-8,517	-8,294	223	
23.5%	-8,561	-8,572	-11	
24.7%	-8,634	-9,249	-616	
25.9%	-9,141	-9,271	-129	
27.2%	-9,292	-9,292	0	
28.4%	-9,658	-9,376	282	
29.6%	-9,757	-9,757	0	
30.9%	-9,807	-9,807	0	
32.1%	-9,841	-9,874	-32	
33.3%	-9,874	-9,976	-102	
34.6%	-9,941	-9,983	-42	
35.8%	-9,976	-10,082	-105	
37.0%	-10,071	-10,171	-100	
38.3%	-10,171	-10,199	-28	
39.5%	-10,220	-10,280	-60	
40.7%	-10,281	-10,453	-172	
42.0%	-10,451	-10,479	-28	
43.2%	-10,453	-10,491	-37	
44.4%	-10,492	-10,522	-30	
45.7%	-10,540	-10,541	0	
46.9%	-10,558	-10,558	0	
48.1%	-10,562	-10,562	1	
49.4%	-10,576	-10,576	0	
50.6%	-10,580	-10,633	-54	
51.9%	-10,633	-10,659	-26	
53.1%	-10,635	-10,680	-45	
54.3%	-10,642	-10,687	-45	
55.6%	-10,679	-10,696	-17	
56.8%	-10,696	-10,699	-3	
58.0%	-10,699	-10,709	-10	
59.3%	-10,709	-10,732	-23	
60.5%	-10,752	-10,752	1	
61.7%	-10,761	-10,759	2	
63.0%	-10,777	-10,770	8	
64.2%	-10,795	-10,776	19	
65.4%	-10,822	-10,798	24	
66.7%	-10,828	-10,805	23	
67.9%	-10,841	-10,818	23	
69.1%	-10,851	-10,841	10	
70.4%	-10,857	-10,882	-25	
71.6%	-10,870	-10,894	-24	
72.8%	-10,903	-10,903	1	
74.1%	-10,926	-10,932	-5	
75.3%	-10,947	-10,944	3	
76.5%	-10,986	-10,954	32	
77.8%	-11,015	-10,975	40	
79.0%	-11,058	-10,987	71	
80.2%	-11,059	-11,006	53	
81.5%	-11,071	-11,041	30	
82.7%	-11,073	-11,092	-20	
84.0%	-11,090	-11,105	-15	
85.2%	-11,092	-11,129	-37	
86.4%	-11,105	-11,130	-26	
87.7%	-11,129	-11,134	-5	
88.9%	-11,131	-11,148	-18	
90.1%	-11,135	-11,173	-39	
91.4%	-11,160	-11,192	-33	
92.6%	-11,173	-11,197	-24	
93.8%	-11,217	-11,204	13	
95.1%	-11,227	-11,222	5	
96.3%	-11,242	-11,242	0	
97.5%	-11,258	-11,245	14	
98.8%	-11,277	-11,258	19	
100.0%	-11,299	-11,299	0	

September

Percent Exceedance Probability	No Action Alternative Monthly Flow (CFS)	Alternative D Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,142	-3,460	-318	
1.2%	-3,217	-3,725	-508	
2.5%	-3,443	-3,867	-424	
3.7%	-3,725	-4,095	-370	
4.9%	-3,888	-4,128	-240	
6.2%	-3,943	-4,141	-198	
7.4%	-4,003	-4,426	-424	
8.6%	-4,096	-4,430	-335	
9.9%	-4,128	-4,503	-375	
11.1%	-4,137	-4,613	-477	
12.3%	-4,220	-5,621	-1,401	
13.6%	-4,381	-6,834	-2,454	
14.8%	-4,417	-7,547	-3,130	
16.0%	-4,441	-7,557	-3,116	
17.3%	-4,522	-7,669	-3,147	
18.5%	-5,511	-7,681	-2,170	
19.8%	-5,534	-7,783	-2,249	
21.0%	-5,640	-7,844	-2,205	
22.2%	-6,091	-7,963	-1,872	
23.5%	-6,250	-7,990	-1,740	
24.7%	-6,685	-8,010	-1,325	
25.9%	-6,745	-8,081	-1,336	
27.2%	-6,915	-8,098	-1,183	
28.4%	-6,968	-8,210	-1,242	
29.6%	-6,996	-8,244	-1,248	
30.9%	-7,151	-8,245	-1,094	
32.1%	-7,188	-8,303	-1,115	
33.3%	-7,314	-8,323	-1,010	
34.6%	-7,547	-8,350	-803	
35.8%	-7,636	-8,407	-771	
37.0%	-7,797	-8,414	-617	
38.3%	-7,844	-8,438	-594	
39.5%	-7,922	-8,487	-564	
40.7%	-7,961	-8,506	-546	
42.0%	-7,979	-8,563	-584	
43.2%	-8,059	-8,711	-652	
44.4%	-8,075	-8,734	-659	
45.7%	-8,098	-8,778	-680	
46.9%	-8,165	-8,786	-622	
48.1%	-8,210	-8,792	-582	
49.4%	-8,244	-8,799	-555	
50.6%	-8,254	-8,804	-550	
51.9%	-8,287	-8,827	-540	
53.1%	-8,313	-8,836	-523	
54.3%	-8,377	-8,975	-597	
55.6%	-8,396	-9,015	-618	
56.8%	-8,506	-9,039	-532	
58.0%	-8,555	-9,125	-570	
59.3%	-8,562	-9,132	-570	
60.5%	-8,604	-9,183	-579	
61.7%	-8,710	-9,235	-525	
63.0%	-8,739	-9,392	-653	
64.2%	-8,877	-9,395	-518	
65.4%	-8,884	-9,402	-518	
66.7%	-8,969	-9,404	-435	
67.9%	-8,994	-9,420	-426	
69.1%	-9,008	-9,564	-556	
70.4%	-9,015	-9,584	-569	
71.6%	-9,205	-9,749	-544	
72.8%	-9,402	-9,836	-434	
74.1%	-9,496	-9,847	-352	
75.3%	-9,496	-9,892	-396	
76.5%	-9,554	-9,901	-346	
77.8%	-9,584	-9,906	-323	
79.0%	-9,704	-9,910	-205	
80.2%	-9,775	-9,950	-176	
81.5%	-9,831	-9,973	-142	
82.7%	-9,836	-9,986	-150	
84.0%	-9,906	-9,987	-81	
85.2%	-9,910	-10,022	-112	
86.4%	-9,926	-10,053	-127	
87.7%	-9,931	-10,065	-135	
88.9%	-9,986	-10,069	-83	
90.1%	-10,022	-10,119	-98	
91.4%	-10,066	-10,122	-57	
92.6%	-10,095	-10,156	-62	
93.8%	-10,097	-10,176	-79	
95.1%	-10,122	-10,221	-99	
96.3%	-10,204	-10,245	-41	
97.5%	-10,221	-10,300	-79	
98.8%	-10,351	-10,396	-45	
100.0%	-10,396	-10,468	-72	

Table SW-36-9a

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	6,735	6,772	9,003	6,607	7,090	6,641	2,103	2,223	4,939	10,439	9,862	8,678
Alternative D	7,327	7,619	9,008	6,790	7,097	6,541	2,103	2,225	4,889	10,547	10,253	9,452
Difference	592	847	5	183	7	-100	0	3	-50	108	390	774
Percent Difference[3]	8.8%	12.5%	0.1%	2.8%	0.1%	-1.5%	0.0%	0.1%	-1.0%	1.0%	4.0%	8.9%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	7,183	6,578	10,254	7,946	9,341	9,359	2,920	3,449	7,640	11,445	11,719	9,931
Alternative D	8,641	7,287	10,503	7,980	9,187	9,276	2,915	3,446	7,651	11,439	11,590	10,888
Difference	1,458	709	249	34	-154	-83	-5	-2	11	-6	-130	957
Percent Difference	20.3%	10.8%	2.4%	0.4%	-1.6%	-0.9%	-0.2%	-0.1%	0.1%	-0.1%	-1.1%	9.6%
Above Normal (15%)												
No Action Alternative	7,375	6,792	9,859	6,599	6,900	7,872	1,809	1,674	6,108	10,671	11,642	9,471
Alternative D	8,133	8,419	9,693	6,517	7,032	7,742	1,806	1,670	6,002	10,876	11,540	10,362
Difference	758	1,628	-166	-82	132	-130	-3	-4	-107	205	-102	890
Percent Difference	10.3%	24.0%	-1.7%	-1.2%	1.9%	-1.7%	-0.2%	-0.2%	-1.7%	1.9%	-0.9%	9.4%
Below Normal (17%)												
No Action Alternative	7,868	9,015	8,928	6,246	6,778	6,701	1,733	1,669	4,085	11,150	10,734	9,450
Alternative D	8,326	9,508	9,139	6,200	6,764	6,714	1,731	1,668	4,054	11,134	10,559	9,800
Difference	458	492	211	-45	-14	13	-1	-1	-31	-16	-175	350
Percent Difference	5.8%	5.5%	2.4%	-0.7%	-0.2%	0.2%	-0.1%	-0.1%	-0.8%	-0.1%	-1.6%	3.7%
Dry (22%)												
No Action Alternative	6,323	7,163	7,795	6,153	5,885	4,268	1,746	1,731	3,014	10,801	9,449	8,152
Alternative D	6,254	8,145	7,920	6,472	5,833	4,119	1,724	1,691	2,921	10,907	10,420	9,125
Difference	-69	982	126	319	-52	-149	-22	-40	-93	106	970	973
Percent Difference	-1.1%	13.7%	1.6%	5.2%	-0.9%	-3.5%	-1.3%	-2.3%	-3.1%	1.0%	10.3%	11.9%
Critical (15%)												
No Action Alternative	4,418	3,971	7,334	4,817	4,576	3,009	1,593	1,498	1,800	6,656	3,661	5,058
Alternative D	4,115	4,547	6,558	5,652	4,922	2,842	1,644	1,586	1,716	7,061	5,460	5,517
Difference	-303	577	-776	835	346	-167	51	88	-84	405	1,799	460
Percent Difference	-6.9%	14.5%	-10.6%	17.3%	7.6%	-5.5%	3.2%	5.9%	-4.7%	6.1%	49.1%	9.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-36-9b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

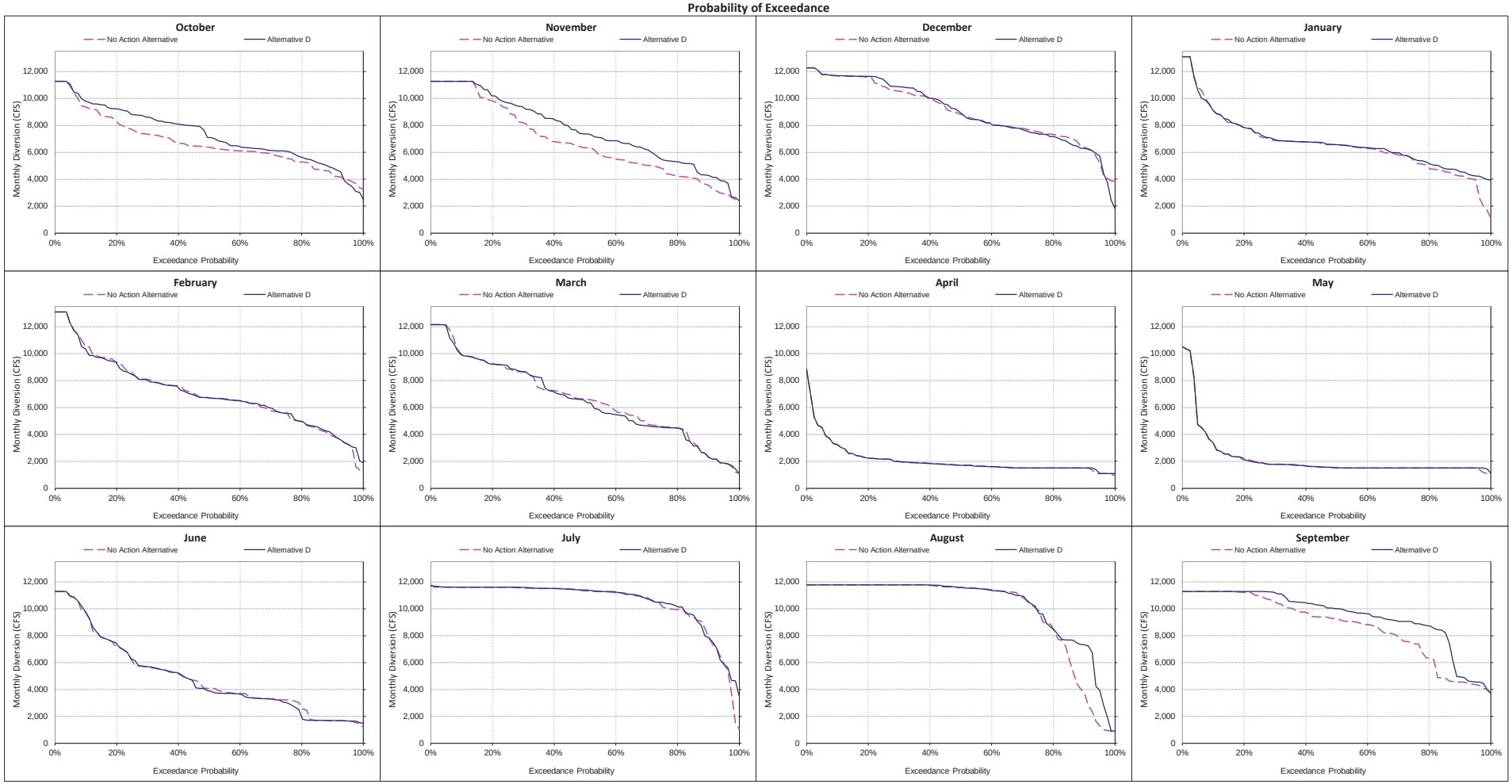

Table SW-36-9b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,073	10,933	-139	-1.3%
6.2%	10,423	10,471	48	0.5%
7.4%	10,001	10,389	388	3.9%
8.6%	9,442	9,993	551	5.8%
9.9%	9,380	9,794	413	4.4%
11.1%	9,246	9,709	463	5.0%
12.3%	9,225	9,598	373	4.0%
13.6%	9,120	9,586	466	5.1%
14.8%	8,737	9,539	802	9.2%
16.0%	8,668	9,527	859	9.9%
17.3%	8,630	9,317	687	8.0%
18.5%	8,586	9,241	655	7.6%
19.8%	8,311	9,238	927	11.1%
21.0%	8,063	9,205	1,142	14.2%
22.2%	7,938	9,107	1,168	14.7%
23.5%	7,785	9,058	1,272	16.3%
24.7%	7,729	8,823	1,093	14.1%
25.9%	7,578	8,774	1,196	15.8%
27.2%	7,424	8,769	1,345	18.1%
28.4%	7,389	8,730	1,341	18.1%
29.6%	7,375	8,617	1,243	16.8%
30.9%	7,319	8,591	1,272	17.4%
32.1%	7,270	8,469	1,199	16.5%
33.3%	7,259	8,338	1,079	14.9%
34.6%	7,157	8,307	1,150	16.1%
35.8%	7,077	8,233	1,156	16.3%
37.0%	7,062	8,223	1,160	16.4%
38.3%	6,850	8,160	1,310	19.1%
39.5%	6,715	8,109	1,393	20.8%
40.7%	6,667	8,072	1,405	21.1%
42.0%	6,641	8,024	1,383	20.8%
43.2%	6,506	7,985	1,480	22.7%
44.4%	6,471	7,964	1,493	23.1%
45.7%	6,455	7,962	1,507	23.3%
46.9%	6,446	7,918	1,472	22.8%
48.1%	6,424	7,674	1,250	19.5%
49.4%	6,393	7,103	710	11.1%
50.6%	6,375	7,093	718	11.3%
51.9%	6,266	7,000	734	11.7%
53.1%	6,259	6,849	590	9.4%
54.3%	6,227	6,781	555	8.9%
55.6%	6,179	6,710	531	8.6%
56.8%	6,165	6,506	341	5.5%
58.0%	6,146	6,484	337	5.5%
59.3%	6,099	6,476	377	6.2%
60.5%	6,098	6,366	268	4.4%
61.7%	6,080	6,350	270	4.4%
63.0%	6,074	6,326	252	4.1%
64.2%	6,069	6,300	232	3.8%
65.4%	6,023	6,282	258	4.3%
66.7%	5,966	6,263	297	5.0%
67.9%	5,948	6,225	277	4.7%
69.1%	5,929	6,151	222	3.7%
70.4%	5,878	6,145	267	4.5%
71.6%	5,740	6,099	359	6.3%
72.8%	5,714	6,099	385	6.7%
74.1%	5,604	6,098	495	8.8%
75.3%	5,533	6,071	538	9.7%
76.5%	5,504	6,003	499	9.1%
77.8%	5,310	5,849	539	10.1%
79.0%	5,280	5,701	421	8.0%
80.2%	5,271	5,622	350	6.6%
81.5%	5,260	5,499	238	4.5%
82.7%	5,148	5,463	315	6.1%
84.0%	4,753	5,357	605	12.7%
85.2%	4,737	5,225	488	10.3%
86.4%	4,691	5,151	460	9.8%
87.7%	4,634	5,060	426	9.2%
88.9%	4,619	4,913	294	6.4%
90.1%	4,240	4,828	588	13.9%
91.4%	4,197	4,672	475	11.3%
92.6%	4,163	4,539	377	9.0%
93.8%	4,021	3,886	-134	-3.3%
95.1%	3,955	3,638	-317	-8.0%
96.3%	3,833	3,449	-383	-10.0%
97.5%	3,665	3,096	-569	-15.5%
98.8%	3,381	3,013	-368	-10.9%
100.0%	3,240	2,465	-775	-23.9%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,264	-16	-0.1%
14.8%	10,754	11,043	290	2.7%
16.0%	10,066	10,977	911	9.0%
17.3%	10,065	10,676	612	6.1%
18.5%	9,911	10,638	727	7.3%
19.8%	9,845	10,194	349	3.5%
21.0%	9,719	10,174	455	4.7%
22.2%	9,589	9,908	319	3.3%
23.5%	9,358	9,778	421	4.5%
24.7%	9,297	9,695	398	4.3%
25.9%	8,846	9,648	802	9.1%
27.2%	8,784	9,518	733	8.3%
28.4%	8,246	9,426	1,181	14.3%
29.6%	8,216	9,402	1,186	14.4%
30.9%	8,117	9,206	1,089	13.4%
32.1%	7,740	9,171	1,431	18.5%
33.3%	7,689	9,060	1,371	17.8%
34.6%	7,262	8,849	1,588	21.9%
35.8%	7,188	8,849	1,661	23.1%
37.0%	7,155	8,527	1,372	19.2%
38.3%	6,954	8,519	1,565	22.5%
39.5%	6,811	8,492	1,681	24.7%
40.7%	6,764	8,348	1,584	23.4%
42.0%	6,723	8,292	1,569	23.3%
43.2%	6,700	8,053	1,353	20.2%
44.4%	6,694	7,981	1,287	19.2%
45.7%	6,654	7,681	1,027	15.4%
46.9%	6,501	7,665	1,163	17.9%
48.1%	6,440	7,410	970	15.1%
49.4%	6,347	7,370	1,024	16.1%
50.6%	6,338	7,367	1,030	16.2%
51.9%	6,325	7,319	995	15.7%
53.1%	6,165	7,136	972	15.8%
54.3%	5,831	7,100	1,269	21.8%
55.6%	5,751	7,073	1,323	23.0%
56.8%	5,638	6,882	1,244	22.1%
58.0%	5,611	6,862	1,251	22.3%
59.3%	5,589	6,858	1,270	22.7%
60.5%	5,467	6,851	1,384	25.3%
61.7%	5,452	6,710	1,258	23.1%
63.0%	5,415	6,658	1,243	23.0%
64.2%	5,279	6,645	1,365	25.9%
65.4%	5,220	6,500	1,281	24.5%
66.7%	5,187	6,416	1,229	23.7%
67.9%	5,169	6,390	1,221	23.6%
69.1%	5,057	6,267	1,210	23.9%
70.4%	5,037	6,176	1,140	22.6%
71.6%	4,983	5,995	1,012	20.3%
72.8%	4,961	5,801	839	16.9%
74.1%	4,868	5,577	709	14.6%
75.3%	4,772	5,431	659	13.8%
76.5%	4,399	5,370	972	22.1%
77.8%	4,361	5,351	990	22.7%
79.0%	4,284	5,324	1,040	24.3%
80.2%	4,208	5,289	1,081	25.7%
81.5%	4,194	5,201	1,006	24.0%
82.7%	4,167	5,174	1,006	24.2%
84.0%	4,144	5,169	1,025	24.7%
85.2%	4,093	5,099	1,007	24.6%
86.4%	4,033	4,505	472	11.7%
87.7%	3,712	4,338	626	16.9%
88.9%	3,630	4,319	689	19.0%
90.1%	3,533	4,279	746	21.1%
91.4%	3,251	4,145	894	27.5%
92.6%	3,120	4,127	1,007	32.3%
93.8%	2,970	3,902	932	31.4%
95.1%	2,925	3,855	931	31.8%
96.3%	2,879	3,716	836	29.0%
97.5%	2,633	2,675	42	1.6%
98.8%	2,479	2,645	166	6.7%
100.0%	2,402	2,394	-9	-0.4%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,092	12,092	0	0.0%
4.9%	11,781	11,781	0	0.0%
6.2%	11,770	11,770	0	0.0%
7.4%	11,699	11,746	47	0.4%
8.6%	11,697	11,699	2	0.0%
9.9%	11,669	11,697	28	0.2%
11.1%	11,667	11,692	25	0.2%
12.3%	11,666	11,691	25	0.2%
13.6%	11,646	11,667	21	0.2%
14.8%	11,643	11,666	23	0.2%
16.0%	11,641	11,652	10	0.1%
17.3%	11,634	11,646	12	0.1%
18.5%	11,622	11,643	21	0.2%
19.8%	11,579	11,641	62	0.5%
21.0%	11,574	11,634	60	0.5%
22.2%	11,136	11,622	486	4.4%
23.5%	11,055	11,509	454	4.1%
24.7%	10,898	11,439	541	5.0%
25.9%	10,815	11,175	360	3.3%
27.2%	10,595	10,914	318	3.0%
28.4%	10,586	10,896	310	2.9%
29.6%	10,548	10,870	323	3.1%
30.9%	10,522	10,850	328	3.1%
32.1%	10,416	10,823	406	3.9%
33.3%	10,395	10,789	393	3.8%
34.6%	10,270	10,788	518	5.0%
35.8%	10,194	10,527	333	3.3%
37.0%	10,192	10,505	312	3.1%
38.3%	10,169	10,237	68	0.7%
39.5%	10,086	10,007	-79	-0.8%
40.7%	9,951	10,000	49	0.5%
42.0%	9,766	9,951	185	1.9%
43.2%	9,649	9,856	207	2.1%
44.4%	9,572	9,599	28	0.3%
45.7%	9,134	9,545	411	4.5%
46.9%	9,051	9,272	221	2.4%
48.1%	8,989	9,240	251	2.8%
49.4%	8,879	9,024	146	1.6%
50.6%	8,803	8,803	0	0.0%
51.9%	8,629	8,566	-64	-0.7%
53.1%	8,566	8,468	-98	-1.1%
54.3%	8,468	8,438	-30	-0.4%
55.6%	8,416	8,416	1	0.0%
56.8%	8,401	8,312	-89	-1.1%
58.0%	8,193	8,224	31	0.4%
59.3%	8,160	8,193	33	0.4%
60.5%	8,009	8,009	0	0.0%
61.7%	8,006	8,006	0	0.0%
63.0%	7,983	7,964	-19	-0.2%
64.2%	7,952	7,952	0	0.0%
65.4%	7,928	7,886	-42	-0.5%
66.7%	7,886	7,809	-77	-1.0%
67.9%	7,809	7,799	-10	-0.1%
69.1%	7,799	7,772	-27	-0.3%
70.4%	7,772	7,659	-114	-1.5%
71.6%	7,690	7,551	-139	-1.8%
72.8%	7,659	7,462	-197	-2.6%
74.1%	7,551	7,420	-131	-1.7%
75.3%	7,507	7,349	-158	-2.1%
76.5%	7,420	7,349	-72	-1.0%
77.8%	7,349	7,318	-31	-0.4%
79.0%	7,349	7,171	-177	-2.4%
80.2%	7,318	7,163	-155	-2.1%
81.5%	7,248	7,063	-185	-2.6%
82.7%	7,171	6,923	-248	-3.5%
84.0%	7,166	6,859	-307	-4.3%
85.2%	7,063	6,667	-395	-5.6%
86.4%	6,975	6,525	-450	-6.4%
87.7%	6,830	6,461	-369	-5.4%
88.9%	6,433	6,299	-134	-2.1%
90.1%	6,390	6,284	-106	-1.7%
91.4%	6,202	6,260	58	0.9%
92.6%	6,132	6,118	-14	-0.2%
93.8%	5,683	5,919	236	4.2%
95.1%	5,197	5,723	526	10.1%
96.3%	4,271	4,436	165	3.9%
97.5%	4,055	3,775	-279	-6.9%
98.8%	3,879	2,440	-1,439	-37.1%
100.0%	3,841	1,826	-2,015	-52.5%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	11,657	11,639	-18	-0.2%
4.9%	10,826	10,603	-223	-2.1%
6.2%	10,620	10,019	-601	-5.7%
7.4%	10,038	9,864	-174	-1.7%
8.6%	9,614	9,596	-18	-0.2%
9.9%	9,129	9,129	0	0.0%
11.1%	8,876	8,859	-17	-0.2%
12.3%	8,807	8,789	-18	-0.2%
13.6%	8,501	8,501	0	0.0%
14.8%	8,210	8,440	231	2.8%
16.0%	8,209	8,191	-18	-0.2%
17.3%	8,125	8,125	0	0.0%
18.5%	8,020	8,020	0	0.0%
19.8%	7,868	7,850	-18	-0.2%
21.0%	7,775	7,776	0	0.0%
22.2%	7,760	7,760	0	0.0%
23.5%	7,458	7,458	0	0.0%
24.7%	7,229	7,424	194	2.7%
25.9%	7,107	7,230	122	1.7%
27.2%	7,090	7,107	18	0.2%
28.4%	6,978	7,090	111	1.6%
29.6%	6,884	6,978	94	1.4%
30.9%	6,852	6,884	32	0.5%
32.1%	6,848	6,852	5	0.1%
33.3%	6,828	6,848	19	0.3%
34.6%	6,819	6,828	9	0.1%
35.8%	6,794	6,819	25	0.4%
37.0%	6,785	6,794	9	0.1%
38.3%	6,779	6,785	6	0.1%
39.5%	6,772	6,779	6	0.1%
40.7%	6,749	6,773	23	0.3%
42.0%	6,748	6,749	1	0.0%
43.2%	6,740	6,748	7	0.1%
44.4%	6,702	6,740	38	0.6%
45.7%	6,597	6,702	106	1.6%
46.9%	6,583	6,597	14	0.2%
48.1%	6,571	6,583	12	0.2%
49.4%	6,567	6,571	3	0.1%
50.6%	6,537	6,567	30	0.5%
51.9%	6,520	6,537	17	0.3%
53.1%	6,492	6,518	26	0.4%
54.3%	6,453	6,492	39	0.6%
55.6%	6,381	6,428	47	0.7%
56.8%	6,372	6,381	9	0.1%
58.0%	6,323	6,378	54	0.9%
59.3%	6,303	6,372	69	1.1%
60.5%	6,285	6,323	38	0.6%
61.7%	6,284	6,303	19	0.3%
63.0%	6,121	6,285	164	2.7%
64.2%	6,112	6,283	171	2.8%
65.4%	5,972	6,269	297	5.0%
66.7%	5,960	6,121	160	2.7%
67.9%	5,936	5,972	36	0.6%
69.1%	5,866	5,969	104	1.8%
70.4%	5,788	5,960	172	3.0%
71.6%	5,760	5,760	0	0.0%
72.8%	5,746	5,746	0	0.0%
74.1%	5,607	5,607	0	0.0%
75.3%	5,269	5,475	206	3.9%
76.5%	5,152	5,381	229	4.4%
77.8%	5,126	5,365	239	4.7%
79.0%	5,044	5,269	225	4.5%
80.2%	4,774	5,126	352	7.4%
81.5%	4,747	5,044	297	6.3%
82.7%	4,692	5,042	350	7.5%
84.0%	4,677	4,877	200	4.3%
85.2%	4,537	4,774	238	5.2%
86.4%	4,521	4,748	226	5.0%
87.7%	4,373	4,747	374	8.5%
88.9%	4,272	4,692	421	9.8%
90.1%	4,242	4,537	295	6.9%
91.4%	4,220	4,521	302	7.2%
92.6%	4,095	4,373	277	6.8%
93.8%	4,007	4,271	264	6.6%
95.1%	3,985	4,242	257	6.4%
96.3%	2,591	4,220	1,628	62.9%
97.5%	2,015	4,095	2,080	103.2%
98.8%	1,697	3,985	2,288	134.8%
100.0%	1,100	3,946	2,846	258.7%

Table SW-36-9b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	13,100	0	0.0%
4.9%	12,255	12,255	0	0.0%
6.2%	11,719	11,719	0	0.0%
7.4%	11,436	11,413	-23	-0.2%
8.6%	11,005	10,513	-491	-4.5%
9.9%	10,538	10,369	-169	-1.6%
11.1%	10,514	9,869	-645	-6.1%
12.3%	9,888	9,851	-37	-0.4%
13.6%	9,851	9,723	-128	-1.3%
14.8%	9,723	9,700	-24	-0.2%
16.0%	9,700	9,608	-92	-0.9%
17.3%	9,609	9,482	-128	-1.3%
18.5%	9,608	9,446	-163	-1.7%
19.8%	9,357	9,393	36	0.4%
21.0%	9,355	8,909	-446	-4.8%
22.2%	9,016	8,709	-307	-3.4%
23.5%	8,709	8,639	-70	-0.8%
24.7%	8,639	8,475	-164	-1.9%
25.9%	8,371	8,350	-21	-0.3%
27.2%	8,139	8,101	-38	-0.5%
28.4%	8,101	8,093	-8	-0.1%
29.6%	8,093	8,065	-29	-0.4%
30.9%	8,065	7,892	-173	-2.1%
32.1%	7,865	7,886	21	0.3%
33.3%	7,819	7,865	46	0.6%
34.6%	7,740	7,740	0	0.0%
35.8%	7,708	7,665	-43	-0.6%
37.0%	7,662	7,641	-21	-0.3%
38.3%	7,624	7,624	0	0.0%
39.5%	7,609	7,594	-15	-0.2%
40.7%	7,594	7,292	-302	-4.0%
42.0%	7,292	7,201	-91	-1.2%
43.2%	7,201	7,040	-161	-2.2%
44.4%	7,040	6,971	-69	-1.0%
45.7%	6,971	6,870	-101	-1.4%
46.9%	6,766	6,755	-12	-0.2%
48.1%	6,754	6,751	-3	0.0%
49.4%	6,751	6,719	-32	-0.5%
50.6%	6,696	6,693	-3	0.0%
51.9%	6,693	6,675	-18	-0.3%
53.1%	6,675	6,669	-6	-0.1%
54.3%	6,669	6,632	-37	-0.6%
55.6%	6,632	6,571	-62	-0.9%
56.8%	6,571	6,565	-6	-0.1%
58.0%	6,565	6,513	-52	-0.8%
59.3%	6,513	6,504	-9	-0.1%
60.5%	6,504	6,487	-17	-0.3%
61.7%	6,487	6,409	-77	-1.2%
63.0%	6,321	6,321	0	0.0%
64.2%	6,304	6,304	0	0.0%
65.4%	6,300	6,300	0	0.0%
66.7%	6,020	6,172	152	2.5%
67.9%	5,999	6,163	164	2.7%
69.1%	5,808	5,999	191	3.3%
70.4%	5,723	5,941	218	3.8%
71.6%	5,712	5,723	12	0.2%
72.8%	5,649	5,628	-21	-0.4%
74.1%	5,579	5,579	0	0.0%
75.3%	5,555	5,576	21	0.4%
76.5%	5,074	5,529	456	9.0%
77.8%	5,052	5,074	22	0.4%
79.0%	4,998	4,998	0	0.0%
80.2%	4,963	4,963	0	0.0%
81.5%	4,663	4,730	68	1.5%
82.7%	4,591	4,662	71	1.5%
84.0%	4,540	4,615	75	1.6%
85.2%	4,394	4,540	146	3.3%
86.4%	4,272	4,394	122	2.9%
87.7%	4,203	4,272	68	1.6%
88.9%	3,994	4,203	209	5.2%
90.1%	3,871	3,994	124	3.2%
91.4%	3,744	3,744	0	0.0%
92.6%	3,609	3,609	0	0.0%
93.8%	3,381	3,381	0	0.0%
95.1%	3,261	3,261	0	0.0%
96.3%	3,071	3,071	0	0.0%
97.5%	1,607	3,025	1,418	88.2%
98.8%	1,353	2,030	677	50.0%
100.0%	1,277	1,883	606	47.5%

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,161	0	0.0%
4.9%	12,125	12,125	0	0.0%
6.2%	11,753	11,153	-600	-5.1%
7.4%	11,169	10,786	-382	-3.4%
8.6%	10,325	10,240	-86	-0.8%
9.9%	9,967	9,923	-44	-0.4%
11.1%	9,812	9,814	2	0.0%
12.3%	9,806	9,806	0	0.0%
13.6%	9,749	9,749	0	0.0%
14.8%	9,633	9,633	0	0.0%
16.0%	9,548	9,548	0	0.0%
17.3%	9,499	9,499	0	0.0%
18.5%	9,317	9,298	-19	-0.2%
19.8%	9,298	9,219	-79	-0.9%
21.0%	9,188	9,218	31	0.3%
22.2%	9,183	9,183	0	0.0%
23.5%	9,153	9,153	0	0.0%
24.7%	8,880	9,135	256	2.9%
25.9%	8,832	8,880	48	0.5%
27.2%	8,711	8,831	121	1.4%
28.4%	8,661	8,725	64	0.7%
29.6%	8,650	8,661	11	0.1%
30.9%	8,645	8,633	-12	-0.1%
32.1%	8,399	8,399	0	0.0%
33.3%	8,276	8,304	29	0.3%
34.6%	7,501	8,260	759	10.1%
35.8%	7,420	8,211	791	10.7%
37.0%	7,288	7,420	131	1.8%
38.3%	7,266	7,266	-1	0.0%
39.5%	7,266	7,204	-62	-0.8%
40.7%	7,214	7,045	-168	-2.3%
42.0%	7,204	6,968	-236	-3.3%
43.2%	7,045	6,930	-115	-1.6%
44.4%	6,968	6,711	-257	-3.7%
45.7%	6,930	6,650	-280	-4.0%
46.9%	6,711	6,634	-77	-1.1%
48.1%	6,650	6,592	-58	-0.9%
49.4%	6,634	6,580	-54	-0.8%
50.6%	6,592	6,369	-223	-3.4%
51.9%	6,580	6,328	-252	-3.8%
53.1%	6,507	5,926	-581	-8.9%
54.3%	6,457	5,856	-601	-9.3%
55.6%	6,311	5,642	-669	-10.6%
56.8%	6,244	5,567	-676	-10.8%
58.0%	6,127	5,566	-560	-9.1%
59.3%	5,856	5,477	-379	-6.5%
60.5%	5,630	5,451	-179	-3.2%
61.7%	5,617	5,411	-206	-3.7%
63.0%	5,588	5,379	-209	-3.7%
64.2%	5,451	5,025	-426	-7.8%
65.4%	5,411	5,005	-405	-7.5%
66.7%	5,379	4,745	-634	-11.8%
67.9%	5,025	4,685	-340	-6.8%
69.1%	5,005	4,665	-341	-6.8%
70.4%	4,745	4,628	-117	-2.5%
71.6%	4,685	4,576	-109	-2.3%
72.8%	4,664	4,563	-101	-2.2%
74.1%	4,628	4,561	-67	-1.4%
75.3%	4,576	4,506	-70	-1.5%
76.5%	4,563	4,501	-61	-1.3%
77.8%	4,549	4,482	-68	-1.5%
79.0%	4,482	4,480	-2	0.0%
80.2%	4,470	4,470	0	0.0%
81.5%	4,390	4,390	0	0.0%
82.7%	4,315	3,596	-719	-16.7%
84.0%	3,481	3,481	0	0.0%
85.2%	3,373	3,152	-221	-6.6%
86.4%	3,152	3,120	-32	-1.0%
87.7%	2,679	2,679	0	0.0%
88.9%	2,595	2,595	0	0.0%
90.1%	2,305	2,284	-20	-0.9%
91.4%	2,168	2,168	0	0.0%
92.6%	2,158	2,158	0	0.0%
93.8%	1,871	1,910	39	2.1%
95.1%	1,864	1,864	0	0.0%
96.3%	1,806	1,806	0	0.0%
97.5%	1,618	1,705	87	5.4%
98.8%	1,202	1,429	227	18.9%
100.0%	1,100	1,100	0	0.0%

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,851	8,851	0	0.0%
1.2%	7,097	7,097	0	0.0%
2.5%	5,310	5,298	-12	-0.2%
3.7%	4,693	4,682	-12	-0.3%
4.9%	4,538	4,526	-12	-0.3%
6.2%	3,903	3,891	-12	-0.3%
7.4%	3,704	3,692	-12	-0.3%
8.6%	3,331	3,319	-12	-0.4%
9.9%	3,250	3,238	-12	-0.4%
11.1%	3,055	3,043	-12	-0.4%
12.3%	2,941	2,929	-12	-0.4%
13.6%	2,594	2,586	-8	-0.3%
14.8%	2,586	2,584	-2	-0.1%
16.0%	2,436	2,430	-6	-0.2%
17.3%	2,390	2,390	1	0.0%
18.5%	2,314	2,301	-12	-0.5%
19.8%	2,239	2,239	0	0.0%
21.0%	2,221	2,221	0	0.0%
22.2%	2,197	2,197	0	0.0%
23.5%	2,177	2,177	0	0.0%
24.7%	2,169	2,169	0	0.0%
25.9%	2,166	2,166	0	0.0%
27.2%	2,151	2,151	0	0.0%
28.4%	2,021	1,996	-25	-1.3%
29.6%	2,007	1,980	-27	-1.3%
30.9%	1,948	1,960	13	0.7%
32.1%	1,940	1,948	8	0.4%
33.3%	1,902	1,938	36	1.9%
34.6%	1,899	1,899	0	0.0%
35.8%	1,899	1,893	-5	-0.3%
37.0%	1,898	1,886	-12	-0.6%
38.3%	1,893	1,851	-43	-2.2%
39.5%	1,862	1,837	-25	-1.3%
40.7%	1,837	1,832	-5	-0.3%
42.0%	1,832	1,808	-24	-1.3%
43.2%	1,808	1,786	-22	-1.2%
44.4%	1,787	1,786	0	0.0%
45.7%	1,786	1,761	-25	-1.4%
46.9%	1,761	1,756	-5	-0.3%
48.1%	1,756	1,711	-45	-2.5%
49.4%	1,712	1,710	-1	-0.1%
50.6%	1,710	1,705	-5	-0.3%
51.9%	1,705	1,704	-1	0.0%
53.1%	1,704	1,695	-10	-0.6%
54.3%	1,695	1,637	-58	-3.4%
55.6%	1,661	1,634	-27	-1.6%
56.8%	1,637	1,633	-4	-0.2%
58.0%	1,634	1,619	-14	-0.9%
59.3%	1,633	1,604	-28	-1.7%
60.5%	1,604	1,600	-5	-0.3%
61.7%	1,591	1,577	-14	-0.9%
63.0%	1,577	1,566	-11	-0.7%
64.2%	1,566	1,565	-1	-0.1%
65.4%	1,564	1,533	-31	-2.0%
66.7%	1,534	1,500	-34	-2.2%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,350	1,500	150	11.1%
93.8%	1,100	1,370	270	24.6%
95.1%	1,100	1,100	0	0.0%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	1,100	200	22.2%

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,518	10,509	-8	-0.1%
1.2%	10,361	10,353	-8	-0.1%
2.5%	10,195	10,240	44	0.4%
3.7%	8,289	8,327	39	0.5%
4.9%	4,745	4,728	-17	-0.4%
6.2%	4,529	4,512	-17	-0.4%
7.4%	4,203	4,186	-17	-0.4%
8.6%	3,650	3,633	-17	-0.5%
9.9%	3,421	3,404	-17	-0.5%
11.1%	2,847	2,830	-18	-0.6%
12.3%	2,777	2,760	-17	-0.6%
13.6%	2,565	2,550	-15	-0.6%
14.8%	2,549	2,547	-2	-0.1%
16.0%	2,352	2,352	0	0.0%
17.3%	2,337	2,337	0	0.0%
18.5%	2,326	2,327	1	0.0%
19.8%	2,266	2,129	-136	-6.0%
21.0%	2,128	2,072	-57	-2.7%
22.2%	2,089	1,980	-108	-5.2%
23.5%	1,981	1,951	-30	-1.5%
24.7%	1,967	1,887	-80	-4.1%
25.9%	1,886	1,885	-1	0.0%
27.2%	1,810	1,807	-2	-0.1%
28.4%	1,791	1,782	-10	-0.5%
29.6%	1,784	1,781	-4	-0.2%
30.9%	1,782	1,771	-11	-0.6%
32.1%	1,781	1,769	-11	-0.6%
33.3%	1,771	1,767	-3	-0.2%
34.6%	1,769	1,760	-10	-0.6%
35.8%	1,767	1,716	-51	-2.9%
37.0%	1,759	1,701	-58	-3.3%
38.3%	1,711	1,688	-23	-1.3%
39.5%	1,669	1,669	0	0.0%
40.7%	1,630	1,630	0	0.0%
42.0%	1,609	1,621	13	0.8%
43.2%	1,593	1,599	6	0.4%
44.4%	1,570	1,593	24	1.5%
45.7%	1,564	1,570	5	0.3%
46.9%	1,554	1,564	10	0.6%
48.1%	1,552	1,556	3	0.2%
49.4%	1,514	1,550	36	2.4%
50.6%	1,511	1,514	4	0.2%
51.9%	1,510	1,511	0	0.0%
53.1%	1,503	1,511	8	0.5%
54.3%	1,500	1,501	1	0.1%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,399	1,500	101	7.2%
97.5%	1,160	1,500	340	29.3%
98.8%	1,100	1,429	329	29.9%
100.0%	1,100	1,100	0	0.0%

Table SW-36-9b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	10,957	10,917	-40	-0.4%
6.2%	10,857	10,856	-1	0.0%
7.4%	10,633	10,592	-40	-0.4%
8.6%	9,834	10,190	356	3.6%
9.9%	9,749	9,794	45	0.5%
11.1%	9,308	9,281	-27	-0.3%
12.3%	8,293	8,634	341	4.1%
13.6%	8,268	8,268	0	0.0%
14.8%	7,906	7,905	0	0.0%
16.0%	7,802	7,802	0	0.0%
17.3%	7,693	7,694	1	0.0%
18.5%	7,565	7,564	0	0.0%
19.8%	7,205	7,473	269	3.7%
21.0%	7,121	7,122	1	0.0%
22.2%	6,952	6,951	0	0.0%
23.5%	6,756	6,755	0	0.0%
24.7%	6,271	6,272	1	0.0%
25.9%	5,753	6,157	404	7.0%
27.2%	5,745	5,753	8	0.1%
28.4%	5,707	5,745	38	0.7%
29.6%	5,686	5,707	21	0.4%
30.9%	5,627	5,686	60	1.1%
32.1%	5,577	5,627	49	0.9%
33.3%	5,534	5,578	44	0.8%
34.6%	5,468	5,468	0	0.0%
35.8%	5,442	5,441	-1	0.0%
37.0%	5,350	5,307	-43	-0.8%
38.3%	5,308	5,276	-33	-0.6%
39.5%	5,276	5,261	-14	-0.3%
40.7%	5,046	5,143	97	1.9%
42.0%	4,927	4,927	0	0.0%
43.2%	4,799	4,799	-1	0.0%
44.4%	4,696	4,696	-1	0.0%
45.7%	4,662	4,109	-552	-11.8%
46.9%	4,534	4,081	-452	-10.0%
48.1%	4,110	4,077	-32	-0.8%
49.4%	4,081	3,906	-175	-4.3%
50.6%	4,078	3,856	-222	-5.5%
51.9%	4,069	3,744	-325	-8.0%
53.1%	3,905	3,727	-178	-4.6%
54.3%	3,856	3,717	-139	-3.6%
55.6%	3,770	3,700	-70	-1.9%
56.8%	3,744	3,699	-45	-1.2%
58.0%	3,716	3,679	-37	-1.0%
59.3%	3,701	3,673	-27	-0.7%
60.5%	3,698	3,632	-66	-1.8%
61.7%	3,673	3,446	-228	-6.2%
63.0%	3,446	3,382	-65	-1.9%
64.2%	3,381	3,355	-26	-0.8%
65.4%	3,354	3,335	-19	-0.6%
66.7%	3,335	3,331	-4	-0.1%
67.9%	3,331	3,307	-25	-0.7%
69.1%	3,307	3,301	-6	-0.2%
70.4%	3,302	3,280	-22	-0.7%
71.6%	3,280	3,221	-60	-1.8%
72.8%	3,221	3,189	-32	-1.0%
74.1%	3,217	3,041	-176	-5.5%
75.3%	3,198	3,012	-186	-5.8%
76.5%	3,189	2,849	-340	-10.7%
77.8%	3,124	2,675	-450	-14.4%
79.0%	3,011	2,514	-497	-16.5%
80.2%	2,546	1,769	-777	-30.5%
81.5%	2,467	1,713	-754	-30.6%
82.7%	1,771	1,692	-79	-4.5%
84.0%	1,715	1,692	-23	-1.3%
85.2%	1,692	1,692	0	0.0%
86.4%	1,692	1,692	0	0.0%
87.7%	1,692	1,692	0	0.0%
88.9%	1,692	1,680	-12	-0.7%
90.1%	1,692	1,680	-12	-0.7%
91.4%	1,680	1,680	0	0.0%
92.6%	1,680	1,680	0	0.0%
93.8%	1,680	1,656	-23	-1.4%
95.1%	1,651	1,651	0	0.0%
96.3%	1,644	1,651	7	0.4%
97.5%	1,533	1,645	111	7.2%
98.8%	1,480	1,533	54	3.6%
100.0%	1,158	1,480	321	27.7%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,706	-74	-0.6%
1.2%	11,605	11,678	73	0.6%
2.5%	11,605	11,657	52	0.4%
3.7%	11,605	11,629	24	0.2%
4.9%	11,605	11,626	21	0.2%
6.2%	11,605	11,612	8	0.1%
7.4%	11,605	11,605	0	0.0%
8.6%	11,605	11,605	0	0.0%
9.9%	11,605	11,605	0	0.0%
11.1%	11,605	11,605	0	0.0%
12.3%	11,605	11,605	0	0.0%
13.6%	11,605	11,605	0	0.0%
14.8%	11,605	11,605	0	0.0%
16.0%	11,605	11,605	0	0.0%
17.3%	11,605	11,605	0	0.0%
18.5%	11,605	11,605	0	0.0%
19.8%	11,605	11,605	0	0.0%
21.0%	11,605	11,605	0	0.0%
22.2%	11,605	11,605	0	0.0%
23.5%	11,605	11,605	0	0.0%
24.7%	11,602	11,605	3	0.0%
25.9%	11,577	11,605	28	0.2%
27.2%	11,574	11,605	31	0.3%
28.4%	11,570	11,605	35	0.3%
29.6%	11,529	11,605	76	0.7%
30.9%	11,529	11,584	55	0.5%
32.1%	11,529	11,570	41	0.4%
33.3%	11,527	11,529	2	0.0%
34.6%	11,516	11,529	12	0.1%
35.8%	11,515	11,518	3	0.0%
37.0%	11,515	11,515	0	0.0%
38.3%	11,514	11,515	1	0.0%
39.5%	11,510	11,515	5	0.0%
40.7%	11,510	11,506	-4	0.0%
42.0%	11,509	11,501	-8	-0.1%
43.2%	11,497	11,449	-48	-0.4%
44.4%	11,495	11,443	-52	-0.5%
45.7%	11,464	11,443	-21	-0.2%
46.9%	11,443	11,438	-5	0.0%
48.1%	11,401	11,409	8	0.1%
49.4%	11,345	11,404	59	0.5%
50.6%	11,313	11,396	82	0.7%
51.9%	11,305	11,363	58	0.5%
53.1%	11,280	11,322	42	0.4%
54.3%	11,280	11,305	25	0.2%
55.6%	11,280	11,281	1	0.0%
56.8%	11,259	11,280	21	0.2%
58.0%	11,235	11,280	45	0.4%
59.3%	11,214	11,280	66	0.6%
60.5%	11,188	11,215	27	0.2%
61.7%	11,180	11,182	1	0.0%
63.0%	11,169	11,080	-89	-0.8%
64.2%	11,061	11,080	19	0.2%
65.4%	11,010	11,079	70	0.6%
66.7%	10,970	11,030	60	0.6%
67.9%	10,913	10,970	56	0.5%
69.1%	10,727	10,814	87	0.8%
70.4%	10,711	10,789	79	0.7%
71.6%	10,667	10,589	-78	-0.7%
72.8%	10,469	10,496	28	0.3%
74.1%	10,452	10,490	38	0.4%
75.3%	10,095	10,474	379	3.8%
76.5%	10,063	10,373	309	3.1%
77.8%	9,974	10,363	388	3.9%
79.0%	9,951	10,273	322	3.2%
80.2%	9,935	10,136	201	2.0%
81.5%	9,924	10,134	210	2.1%
82.7%	9,748	9,649	-99	-1.0%
84.0%	9,406	9,616	210	2.2%
85.2%	9,377	9,532	155	1.7%
86.4%	9,135	9,066	-69	-0.8%
87.7%	9,070	8,779	-291	-3.2%
88.9%	8,529	7,957	-572	-6.7%
90.1%	7,830	7,848	17	0.2%
91.4%	7,364	7,527	163	2.2%
92.6%	7,113	7,112	-1	0.0%
93.8%	6,451	6,189	-262	-4.1%
95.1%	5,896	5,855	-41	-0.7%
96.3%	5,389	5,622	234	4.3%
97.5%	3,626	4,659	1,033	28.5%
98.8%	1,467	4,644	3,177	216.6%
100.0%	1,059	3,471	2,411	227.6%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,780	0	0.0%
1.2%	11,780	11,780	0	0.0%
2.5%	11,780	11,780	0	0.0%
3.7%	11,780	11,780	0	0.0%
4.9%	11,780	11,780	0	0.0%
6.2%	11,780	11,780	0	0.0%
7.4%	11,780	11,780	0	0.0%
8.6%	11,780	11,780	0	0.0%
9.9%	11,780	11,780	0	0.0%
11.1%	11,780	11,780	0	0.0%
12.3%	11,780	11,780	0	0.0%
13.6%	11,780	11,780	0	0.0%
14.8%	11,780	11,780	0	0.0%
16.0%	11,780	11,780	0	0.0%
17.3%	11,780	11,780	0	0.0%
18.5%	11,780	11,780	0	0.0%
19.8%	11,780	11,780	0	0.0%
21.0%	11,780	11,780	0	0.0%
22.2%	11,780	11,780	0	0.0%
23.5%	11,780	11,780	0	0.0%
24.7%	11,780	11,780	0	0.0%
25.9%	11,780	11,780	0	0.0%
27.2%	11,780	11,780	0	0.0%
28.4%	11,780	11,780	0	0.0%
29.6%	11,780	11,780	0	0.0%
30.9%	11,780	11,780	0	0.0%
32.1%	11,780	11,780	0	0.0%
33.3%	11,780	11,780	0	0.0%
34.6%	11,780	11,780	0	0.0%
35.8%	11,780	11,780	0	0.0%
37.0%	11,780	11,780	0	0.0%
38.3%	11,780	11,780	0	0.0%
39.5%	11,736	11,780	44	0.4%
40.7%	11,733	11,764	31	0.3%
42.0%	11,680	11,756	76	0.6%
43.2%	11,661	11,744	83	0.7%
44.4%	11,630	11,680	50	0.4%
45.7%	11,630	11,680	50	0.4%
46.9%	11,627	11,663	36	0.3%
48.1%	11,620	11,630	10	0.1%
49.4%	11,580	11,580	0	0.0%
50.6%	11,580	11,575	-5	0.0%
51.9%	11,572	11,530	-42	-0.4%
53.1%	11,571	11,530	-41	-0.4%
54.3%	11,534	11,530	-4	0.0%
55.6%	11,506	11,501	-4	0.0%
56.8%	11,483	11,477	-7	-0.1%
58.0%	11,474	11,444	-30	-0.3%
59.3%	11,430	11,393	-37	-0.3%
60.5%	11,406	11,345	-61	-0.5%
61.7%	11,321	11,335	14	0.1%
63.0%	11,291	11,314	23	0.2%
64.2%	11,280	11,280	0	0.0%
65.4%	11,260	11,156	-104	-0.9%
66.7%	11,240	11,118	-122	-1.1%
67.9%	11,203	10,989	-214	-1.9%
69.1%	10,923	10,983	60	0.6%
70.4%	10,786	10,926	140	1.3%
71.6%	10,596	10,524	-72	-0.7%
72.8%	10,309	10,358	48	0.5%
74.1%	10,069	10,203	135	1.3%
75.3%	9,845	9,635	-210	-2.1%
76.5%	9,029	9,607	578	6.4%
77.8%	8,889	8,920	31	0.3%
79.0%	8,868	8,657	-211	-2.4%
80.2%	8,391	8,442	51	0.6%
81.5%	7,741	8,105	364	4.7%
82.7%	7,664	7,741	77	1.0%
84.0%	7,221	7,686	465	6.4%
85.2%	6,178	7,682	1,504	24.4%
86.4%	5,282	7,664	2,382	45.1%
87.7%	4,423	7,453	3,030	68.5%
88.9%	4,018	7,336	3,319	82.6%
90.1%	3,690	7,330	3,639	98.6%
91.4%	2,781	7,236	4,455	160.2%
92.6%	2,353	6,751	4,397	186.9%
93.8%	1,625	4,223	2,597	159.8%
95.1%	1,274	3,925	2,651	208.1%
96.3%	994	2,830	1,836	184.7%
97.5%	941	1,952	1,011	107.5%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	11,280	11,280	0	0.0%
16.0%	11,280	11,280	0	0.0%
17.3%	11,238	11,280	42	0.4%
18.5%	11,235	11,280	45	0.4%
19.8%	11,224	11,280	56	0.5%
21.0%	11,219	11,280	61	0.5%
22.2%	11,213	11,280	67	0.6%
23.5%	11,009	11,280	271	2.5%
24.7%	10,988	11,280	292	2.7%
25.9%	10,905	11,280	375	3.4%
27.2%	10,738	11,280	542	5.0%
28.4%	10,675	11,249	574	5.4%
29.6%	10,565	11,224	659	6.2%
30.9%	10,403	11,121	718	6.9%
32.1%	10,323	11,094	771	7.5%
33.3%	10,093	10,896	803	8.0%
34.6%	10,051	10,552	502	5.0%
35.8%	10,022	10,526	505	5.0%
37.0%	9,803	10,511	707	7.2%
38.3%	9,758	10,477	719	7.4%
39.5%	9,755	10,476	721	7.4%
40.7%	9,679	10,407	728	7.5%
42.0%	9,440	10,383	943	10.0%
43.2%	9,401	10,299	898	9.6%
44.4%	9,400	10,270	870	9.3%
45.7%	9,386	10,238	851	9.1%
46.9%	9,373	10,060	687	7.3%
48.1%	9,278	10,053	775	8.4%
49.4%	9,275	10,030	755	8.1%
50.6%	9,231	10,004	774	8.4%
51.9%	9,103	9,966	863	9.5%
53.1%	9,064	9,842	778	8.6%
54.3%	9,063	9,802	739	8.2%
55.6%	9,031	9,760	729	8.1%
56.8%	9,004	9,689	685	7.6%
58.0%	8,886	9,686	800	9.0%
59.3%	8,822	9,637	815	9.2%
60.5%	8,819	9,618	799	9.1%
61.7%	8,730	9,408	679	7.8%
63.0%	8,698	9,402	704	8.1%
64.2%	8,419	9,373	955	11.3%
65.4%	8,207	9,273	1,067	13.0%
66.7%	8,193	9,215	1,022	12.5%
67.9%	8,151	9,179	1,028	12.6%
69.1%	8,054	9,111	1,057	13.1%
70.4%	7,870	9,065	1,195	15.2%
71.6%	7,592	9,063	1,471	19.4%
72.8%	7,557	9,060	1,503	19.9%
74.1%	7,507	9,057	1,550	20.6%
75.3%	7,402	8,890	1,488	20.1%
76.5%	7,372	8,884	1,512	20.5%
77.8%	6,743	8,820	2,077	30.8%
79.0%	6,363	8,755	2,392	37.6%
80.2%	6,312	8,729	2,417	38.3%
81.5%	6,199	8,547	2,349	37.9%
82.7%	4,882	8,439	3,558	72.9%
84.0%	4,873	8,419	3,545	72.8%
85.2%	4,873	8,229	3,356	68.9%
86.4%	4,642	7,497	2,855	61.5%
87.7%	4,593	6,115	1,522	33.1%
88.9%	4,578	4,970	392	8.6%
90.1%	4,544	4,927	383	8.4%
91.4%	4,540	4,885	345	7.6%
92.6%	4,459	4,621	162	3.6%
93.8%	4,395	4,594	200	4.5%
95.1%	4,350	4,558	208	4.8%
96.3%	4,307	4,544	237	5.5%
97.5%	4,095	4,456	361	8.8%
98.8%	4,001	3,979	-22	-0.6%
100.0%	3,698	3,698	0	0.0%

Table SW-37-9a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,449	3,525	4,041	3,099	2,947	2,787	1,042	1,105	2,390	3,900	3,935	3,838
Alternative D	3,666	3,694	4,049	3,236	3,060	2,714	1,047	1,096	2,304	3,988	3,958	4,107
Difference	217	168	8	137	112	-73	4	-9	-87	88	22	269
Percent Difference[3]	6.3%	4.8%	0.2%	4.4%	3.8%	-2.6%	0.4%	-0.8%	-3.6%	2.3%	0.6%	7.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,409	3,537	4,335	3,492	3,696	3,577	1,371	1,620	3,574	4,556	4,598	3,939
Alternative D	4,122	3,561	4,341	3,522	3,787	3,481	1,369	1,620	3,570	4,571	4,511	4,340
Difference	714	24	6	30	91	-95	-2	0	-4	15	-87	401
Percent Difference	20.9%	0.7%	0.1%	0.9%	2.5%	-2.7%	-0.2%	0.0%	-0.1%	0.3%	-1.9%	10.2%
Above Normal (15%)												
No Action Alternative	3,607	3,859	4,389	2,969	2,731	3,593	929	870	3,079	4,004	4,585	3,681
Alternative D	3,952	3,923	4,389	3,114	2,907	3,535	928	868	2,903	4,393	4,464	4,190
Difference	345	63	0	146	177	-58	-2	-2	-176	389	-120	508
Percent Difference	9.6%	1.6%	0.0%	4.9%	6.5%	-1.6%	-0.2%	-0.2%	-5.7%	9.7%	-2.6%	13.8%
Below Normal (17%)												
No Action Alternative	3,984	4,260	4,061	2,957	2,640	2,721	890	870	2,117	4,200	4,022	4,495
Alternative D	4,159	4,339	4,287	3,039	2,792	2,693	890	869	1,894	4,217	3,943	4,552
Difference	175	79	225	82	152	-28	0	-1	-223	17	-79	56
Percent Difference	4.4%	1.9%	5.6%	2.8%	5.7%	-1.0%	0.0%	-0.1%	-10.5%	0.4%	-2.0%	1.3%
Dry (22%)												
No Action Alternative	3,589	3,597	3,697	3,143	2,851	2,060	879	883	1,480	4,001	3,770	3,935
Alternative D	3,363	4,135	3,903	3,246	2,897	1,955	893	861	1,393	4,079	4,106	4,137
Difference	-227	538	206	103	46	-105	14	-22	-87	77	336	202
Percent Difference	-6.3%	14.9%	5.6%	3.3%	1.6%	-5.1%	1.6%	-2.5%	-5.9%	1.9%	8.9%	5.1%
Critical (15%)												
No Action Alternative	2,542	2,201	3,548	2,478	2,044	1,434	866	834	821	1,872	1,997	2,860
Alternative D	2,270	2,338	3,016	2,955	2,193	1,393	883	809	804	1,920	2,047	2,952
Difference	-272	137	-532	477	149	-40	17	-26	-16	47	49	92
Percent Difference	-10.7%	6.2%	-15.0%	19.3%	7.3%	-2.8%	1.9%	-3.1%	-2.0%	2.5%	2.5%	3.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-37-9b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

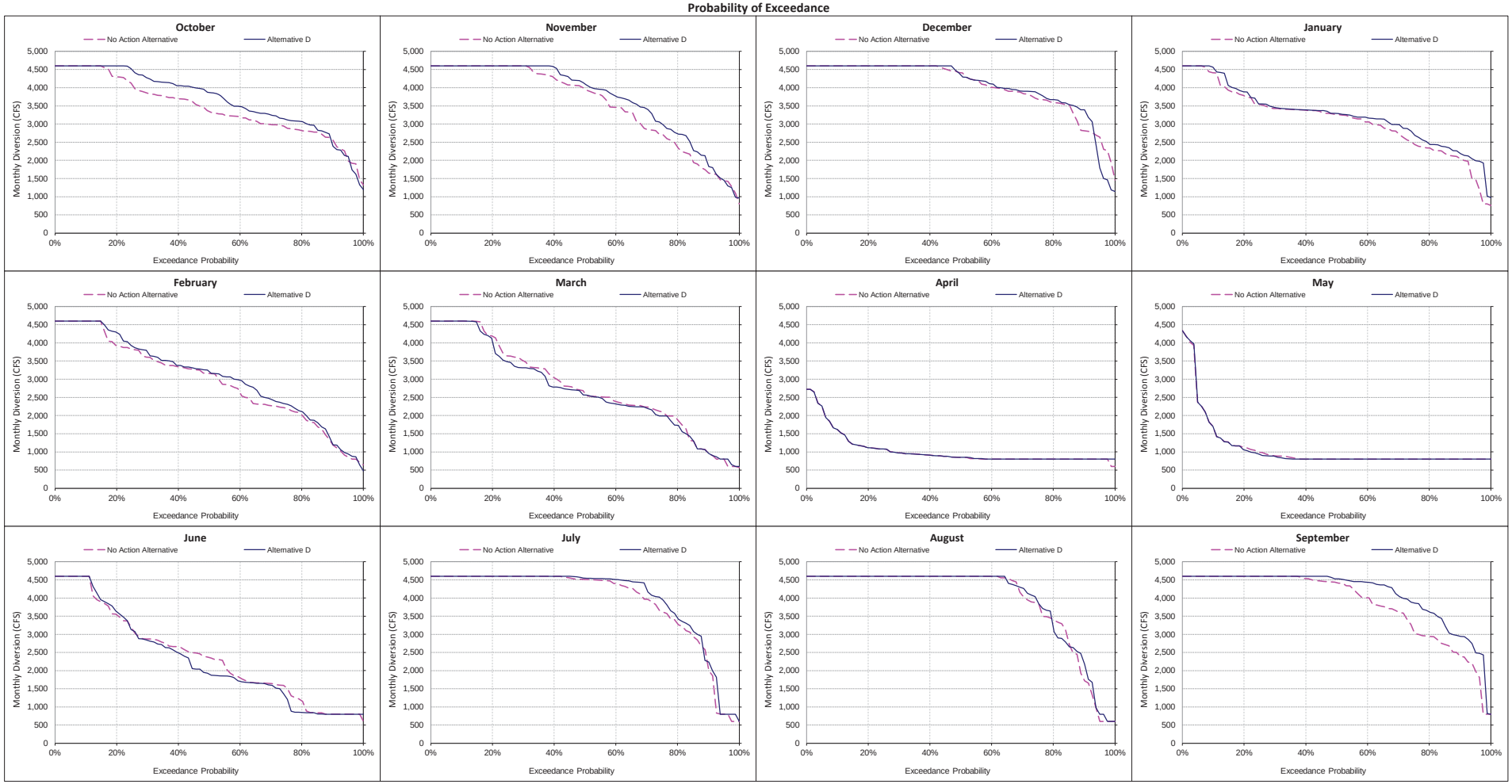

Table SW-37-9b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,551	4,600	49	1.1%
17.3%	4,521	4,600	79	1.7%
18.5%	4,315	4,600	285	6.6%
19.8%	4,298	4,600	302	7.0%
21.0%	4,294	4,600	306	7.1%
22.2%	4,282	4,600	318	7.4%
23.5%	4,195	4,593	398	9.5%
24.7%	4,126	4,520	394	9.5%
25.9%	3,969	4,411	442	11.1%
27.2%	3,924	4,357	433	11.0%
28.4%	3,893	4,347	454	11.7%
29.6%	3,859	4,277	417	10.8%
30.9%	3,827	4,235	408	10.7%
32.1%	3,815	4,173	358	9.4%
33.3%	3,791	4,169	378	10.0%
34.6%	3,780	4,155	374	9.9%
35.8%	3,756	4,147	391	10.4%
37.0%	3,729	4,141	412	11.0%
38.3%	3,729	4,111	383	10.3%
39.5%	3,694	4,057	363	9.8%
40.7%	3,694	4,053	359	9.7%
42.0%	3,687	4,043	356	9.6%
43.2%	3,665	4,042	377	10.3%
44.4%	3,629	4,012	383	10.6%
45.7%	3,539	3,993	454	12.8%
46.9%	3,498	3,982	484	13.8%
48.1%	3,467	3,959	492	14.2%
49.4%	3,372	3,873	500	14.8%
50.6%	3,321	3,859	539	16.2%
51.9%	3,303	3,844	541	16.4%
53.1%	3,277	3,808	531	16.2%
54.3%	3,272	3,727	455	13.9%
55.6%	3,228	3,627	400	12.4%
56.8%	3,223	3,547	323	10.0%
58.0%	3,220	3,492	272	8.4%
59.3%	3,213	3,487	274	8.5%
60.5%	3,168	3,479	311	9.8%
61.7%	3,166	3,424	258	8.2%
63.0%	3,112	3,361	249	8.0%
64.2%	3,110	3,345	235	7.5%
65.4%	3,073	3,316	242	7.9%
66.7%	3,010	3,297	287	9.5%
67.9%	3,005	3,293	288	9.6%
69.1%	2,996	3,271	275	9.2%
70.4%	2,983	3,238	255	8.6%
71.6%	2,977	3,224	247	8.3%
72.8%	2,968	3,161	193	6.5%
74.1%	2,948	3,146	197	6.7%
75.3%	2,881	3,113	231	8.0%
76.5%	2,869	3,095	227	7.9%
77.8%	2,854	3,084	230	8.0%
79.0%	2,842	3,077	235	8.3%
80.2%	2,815	3,063	248	8.8%
81.5%	2,809	3,006	197	7.0%
82.7%	2,802	2,971	169	6.0%
84.0%	2,779	2,966	187	6.7%
85.2%	2,777	2,830	53	1.9%
86.4%	2,725	2,814	89	3.3%
87.7%	2,641	2,772	131	5.0%
88.9%	2,630	2,731	101	3.8%
90.1%	2,554	2,391	-163	-6.4%
91.4%	2,376	2,294	-82	-3.5%
92.6%	2,317	2,281	-36	-1.6%
93.8%	2,262	2,134	-129	-5.7%
95.1%	1,983	2,105	122	6.1%
96.3%	1,916	1,742	-175	-9.1%
97.5%	1,906	1,620	-285	-15.0%
98.8%	1,463	1,325	-137	-9.4%
100.0%	1,322	1,192	-130	-9.9%

November				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,552	4,600	48	1.0%
33.3%	4,423	4,600	177	4.0%
34.6%	4,387	4,600	213	4.9%
35.8%	4,373	4,600	227	5.2%
37.0%	4,360	4,600	240	5.5%
38.3%	4,337	4,600	263	6.1%
39.5%	4,310	4,588	279	6.5%
40.7%	4,213	4,530	317	7.5%
42.0%	4,166	4,359	193	4.6%
43.2%	4,126	4,333	207	5.0%
44.4%	4,074	4,308	234	5.7%
45.7%	4,074	4,213	139	3.4%
46.9%	4,061	4,202	141	3.5%
48.1%	4,057	4,193	137	3.4%
49.4%	3,998	4,140	142	3.6%
50.6%	3,927	4,072	144	3.7%
51.9%	3,891	4,000	109	2.8%
53.1%	3,844	3,980	136	3.5%
54.3%	3,832	3,958	126	3.3%
55.6%	3,776	3,954	178	4.7%
56.8%	3,661	3,933	272	7.4%
58.0%	3,467	3,852	385	11.1%
59.3%	3,460	3,798	338	9.8%
60.5%	3,452	3,740	288	8.3%
61.7%	3,451	3,723	272	7.9%
63.0%	3,339	3,693	353	10.6%
64.2%	3,326	3,659	333	10.0%
65.4%	3,299	3,590	290	8.8%
66.7%	3,064	3,544	479	15.6%
67.9%	3,013	3,467	454	15.1%
69.1%	2,884	3,457	573	19.9%
70.4%	2,840	3,398	558	19.7%
71.6%	2,832	3,289	457	16.1%
72.8%	2,817	3,075	258	9.1%
74.1%	2,714	3,059	344	12.7%
75.3%	2,698	2,980	282	10.4%
76.5%	2,595	2,873	278	10.7%
77.8%	2,558	2,852	295	11.5%
79.0%	2,494	2,773	279	11.2%
80.2%	2,333	2,721	387	16.6%
81.5%	2,243	2,716	473	21.1%
82.7%	2,208	2,681	473	21.4%
84.0%	2,169	2,520	352	16.2%
85.2%	1,939	2,267	328	16.9%
86.4%	1,899	2,234	334	17.6%
87.7%	1,803	2,145	342	19.0%
88.9%	1,743	2,131	388	22.3%
90.1%	1,650	1,828	178	10.8%
91.4%	1,642	1,799	158	9.6%
92.6%	1,612	1,615	2	0.1%
93.8%	1,462	1,514	52	3.5%
95.1%	1,440	1,450	11	0.7%
96.3%	1,425	1,298	-127	-8.9%
97.5%	1,277	1,249	-28	-2.2%
98.8%	1,098	985	-113	-10.3%
100.0%	800	963	163	20.4%

December				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,572	4,600	28	0.6%
44.4%	4,533	4,600	67	1.5%
45.7%	4,493	4,600	107	2.4%
46.9%	4,462	4,600	138	3.1%
48.1%	4,458	4,487	29	0.7%
49.4%	4,419	4,401	-17	-0.4%
50.6%	4,401	4,293	-108	-2.5%
51.9%	4,283	4,283	0	0.0%
53.1%	4,234	4,234	0	0.0%
54.3%	4,219	4,208	-10	-0.2%
55.6%	4,208	4,201	-6	-0.2%
56.8%	4,097	4,187	91	2.2%
58.0%	4,080	4,175	95	2.3%
59.3%	4,004	4,112	108	2.7%
60.5%	4,003	4,097	93	2.3%
61.7%	3,992	4,004	13	0.3%
63.0%	3,976	4,003	27	0.7%
64.2%	3,943	3,982	39	1.0%
65.4%	3,904	3,976	71	1.8%
66.7%	3,899	3,950	51	1.3%
67.9%	3,886	3,943	57	1.5%
69.1%	3,884	3,909	25	0.6%
70.4%	3,829	3,904	75	2.0%
71.6%	3,822	3,899	77	2.0%
72.8%	3,775	3,893	117	3.1%
74.1%	3,710	3,886	176	4.7%
75.3%	3,674	3,829	155	4.2%
76.5%	3,674	3,775	101	2.7%
77.8%	3,659	3,710	51	1.4%
79.0%	3,612	3,674	63	1.7%
80.2%	3,586	3,674	89	2.5%
81.5%	3,583	3,659	76	2.1%
82.7%	3,558	3,586	27	0.8%
84.0%	3,531	3,582	50	1.4%
85.2%	3,524	3,531	7	0.2%
86.4%	3,296	3,508	212	6.4%
87.7%	3,093	3,471	378	12.2%
88.9%	2,824	3,394	569	20.2%
90.1%	2,816	3,392	576	20.5%
91.4%	2,802	3,180	378	13.5%
92.6%	2,761	3,066	305	11.1%
93.8%	2,692	2,437	-256	-9.5%
95.1%	2,640	1,792	-849	-32.1%
96.3%	2,300	1,499	-801	-34.8%
97.5%	2,265	1,467	-798	-35.2%
98.8%	1,923	1,184	-739	-38.4%
100.0%	1,462	1,148	-314	-21.5%

January				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,564	4,600	36	0.8%
8.6%	4,438	4,600	162	3.6%
9.9%	4,410	4,564	155	3.5%
11.1%	4,404	4,430	26	0.6%
12.3%	4,063	4,420	358	8.8%
13.6%	4,036	4,395	359	8.9%
14.8%	3,934	4,063	129	3.3%
16.0%	3,888	4,010	122	3.1%
17.3%	3,880	3,976	96	2.5%
18.5%	3,819	3,925	106	2.8%
19.8%	3,790	3,888	98	2.6%
21.0%	3,734	3,880	146	3.9%
22.2%	3,729	3,729	0	0.0%
23.5%	3,554	3,712	158	4.5%
24.7%	3,545	3,554	9	0.2%
25.9%	3,523	3,553	30	0.9%
27.2%	3,489	3,545	56	1.6%
28.4%	3,442	3,489	47	1.4%
29.6%	3,426	3,462	35	1.0%
30.9%	3,424	3,442	18	0.5%
32.1%	3,414	3,426	12	0.3%
33.3%	3,410	3,424	14	0.4%
34.6%	3,404	3,414	11	0.3%
35.8%	3,397	3,410	12	0.4%
37.0%	3,392	3,397	5	0.1%
38.3%	3,389	3,392	3	0.1%
39.5%	3,386	3,389	3	0.1%
40.7%	3,375	3,386	12	0.3%
42.0%	3,374	3,376	2	0.1%
43.2%	3,370	3,375	4	0.1%
44.4%	3,351	3,374	23	0.7%
45.7%	3,298	3,370	72	2.2%
46.9%	3,291	3,351	60	1.8%
48.1%	3,285	3,298	13	0.4%
49.4%	3,269	3,291	23	0.7%
50.6%	3,260	3,285	25	0.8%
51.9%	3,246	3,269	22	0.7%
53.1%	3,237	3,259	22	0.7%
54.3%	3,190	3,246	56	1.7%
55.6%	3,162	3,214	52	1.7%
56.8%	3,142	3,193	50	1.6%
58.0%	3,142	3,190	49	1.5%
59.3%	3,060	3,189	129	4.2%
60.5%	3,056	3,162	106	3.5%
61.7%	2,986	3,158	172	5.8%
63.0%	2,980	3,142	162	5.4%
64.2%	2,968	3,141	173	5.8%
65.4%	2,880	3,133	253	8.8%
66.7%	2,873	3,060	187	6.5%
67.9%	2,812	2,986	174	6.2%
69.1%	2,803	2,985	181	6.5%
70.4%	2,708	2,980	272	10.0%
71.6%	2,634	2,880	246	9.3%
72.8%	2,563	2,873	310	12.1%
74.1%	2,522	2,803	282	11.2%
75.3%	2,439	2,690	251	10.3%
76.5%	2,387	2,634	247	10.4%
77.8%	2,373	2,563	190	8.0%
79.0%	2,346	2,522	176	7.5%
80.2%	2,339	2,439	101	4.3%
81.5%	2,277	2,439	161	7.1%
82.7%	2,268	2,427	159	7.0%
84.0%	2,261	2,387	127	5.6%
85.2%	2,186	2,373	187	8.5%
86.4%	2,136	2,346	210	9.8%
87.7%	2,121	2,268	147	6.9%
88.9%	2,110	2,261	151	7.2%
90.1%	2,048	2,186	139	6.8%
91.4%	1,993	2,136	143	7.2%
92.6%	1,973	2,121	148	7.5%
93.8%	1,511	2,048	537	35.5%
95.1%	1,481	1,993	512	34.6%
96.3%	1,192	1,973	780	65.5%
97.5%	800	1,926	1,126	140.8%
98.8%	800	1,013	213	26.7%
100.0%	760	978	218	28.7%

Table SW-37-9b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,320	4,495	175	4.1%
17.3%	4,047	4,355	308	7.6%
18.5%	4,032	4,320	287	7.1%
19.8%	3,932	4,301	369	9.4%
21.0%	3,909	4,238	328	8.4%
22.2%	3,872	4,047	174	4.5%
23.5%	3,870	4,032	162	4.2%
24.7%	3,831	3,933	101	2.6%
25.9%	3,812	3,870	58	1.5%
27.2%	3,797	3,833	36	0.9%
28.4%	3,646	3,812	166	4.5%
29.6%	3,607	3,797	190	5.3%
30.9%	3,600	3,646	46	1.3%
32.1%	3,520	3,630	110	3.1%
33.3%	3,486	3,600	115	3.3%
34.6%	3,449	3,520	71	2.1%
35.8%	3,383	3,515	132	3.9%
37.0%	3,377	3,503	126	3.7%
38.3%	3,376	3,485	110	3.3%
39.5%	3,348	3,377	29	0.9%
40.7%	3,335	3,376	41	1.2%
42.0%	3,316	3,337	21	0.6%
43.2%	3,285	3,335	49	1.5%
44.4%	3,283	3,316	34	1.0%
45.7%	3,257	3,285	29	0.9%
46.9%	3,252	3,283	31	0.9%
48.1%	3,170	3,257	87	2.7%
49.4%	3,161	3,252	91	2.9%
50.6%	3,152	3,161	9	0.3%
51.9%	3,150	3,152	2	0.1%
53.1%	3,000	3,150	151	5.0%
54.3%	2,861	3,081	220	7.7%
55.6%	2,856	3,066	210	7.4%
56.8%	2,825	3,062	237	8.4%
58.0%	2,777	3,000	222	8.0%
59.3%	2,741	2,986	245	8.9%
60.5%	2,537	2,958	421	16.6%
61.7%	2,499	2,862	363	14.5%
63.0%	2,482	2,814	332	13.4%
64.2%	2,331	2,777	445	19.1%
65.4%	2,318	2,697	380	16.4%
66.7%	2,311	2,537	226	9.8%
67.9%	2,309	2,499	190	8.2%
69.1%	2,279	2,482	202	8.9%
70.4%	2,270	2,433	163	7.2%
71.6%	2,259	2,385	126	5.6%
72.8%	2,236	2,365	129	5.8%
74.1%	2,220	2,331	111	5.0%
75.3%	2,197	2,311	114	5.2%
76.5%	2,136	2,270	134	6.3%
77.8%	2,102	2,197	95	4.5%
79.0%	2,084	2,136	52	2.5%
80.2%	1,997	2,102	105	5.2%
81.5%	1,872	1,997	125	6.7%
82.7%	1,824	1,877	53	2.9%
84.0%	1,804	1,872	68	3.8%
85.2%	1,691	1,804	114	6.7%
86.4%	1,631	1,691	60	3.7%
87.7%	1,471	1,631	160	10.9%
88.9%	1,343	1,425	82	6.1%
90.1%	1,186	1,196	10	0.8%
91.4%	1,109	1,188	78	7.0%
92.6%	1,028	1,061	33	3.2%
93.8%	910	982	72	7.9%
95.1%	855	946	90	10.5%
96.3%	800	882	82	10.2%
97.5%	800	869	69	8.6%
98.8%	711	643	-67	-9.5%
100.0%	643	472	-171	-26.7%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,591	-9	-0.2%
14.8%	4,591	4,576	-15	-0.3%
16.0%	4,576	4,330	-246	-5.4%
17.3%	4,330	4,237	-93	-2.2%
18.5%	4,199	4,199	0	0.0%
19.8%	4,192	4,130	-62	-1.5%
21.0%	4,138	3,710	-428	-10.3%
22.2%	3,915	3,633	-282	-7.2%
23.5%	3,710	3,523	-187	-5.0%
24.7%	3,644	3,484	-160	-4.4%
25.9%	3,633	3,465	-168	-4.6%
27.2%	3,607	3,356	-251	-7.0%
28.4%	3,602	3,325	-277	-7.7%
29.6%	3,523	3,317	-205	-5.8%
30.9%	3,465	3,314	-151	-4.4%
32.1%	3,333	3,296	-37	-1.1%
33.3%	3,325	3,290	-35	-1.0%
34.6%	3,317	3,226	-91	-2.8%
35.8%	3,296	3,192	-104	-3.2%
37.0%	3,290	3,076	-214	-6.5%
38.3%	3,156	2,821	-335	-10.6%
39.5%	3,063	2,784	-280	-9.1%
40.7%	3,009	2,783	-226	-7.5%
42.0%	2,940	2,773	-167	-5.7%
43.2%	2,815	2,738	-77	-2.7%
44.4%	2,808	2,726	-83	-2.9%
45.7%	2,794	2,705	-88	-3.2%
46.9%	2,726	2,699	-27	-1.0%
48.1%	2,705	2,690	-16	-0.6%
49.4%	2,690	2,570	-119	-4.4%
50.6%	2,539	2,560	21	0.8%
51.9%	2,536	2,535	-2	-0.1%
53.1%	2,529	2,513	-16	-0.6%
54.3%	2,527	2,503	-24	-1.0%
55.6%	2,513	2,474	-38	-1.5%
56.8%	2,508	2,372	-135	-5.4%
58.0%	2,503	2,343	-160	-6.4%
59.3%	2,406	2,332	-74	-3.1%
60.5%	2,372	2,314	-58	-2.5%
61.7%	2,343	2,288	-55	-2.3%
63.0%	2,314	2,281	-33	-1.4%
64.2%	2,288	2,253	-35	-1.5%
65.4%	2,281	2,251	-31	-1.3%
66.7%	2,277	2,241	-36	-1.6%
67.9%	2,275	2,240	-35	-1.5%
69.1%	2,241	2,235	-6	-0.3%
70.4%	2,235	2,195	-40	-1.8%
71.6%	2,195	2,155	-40	-1.8%
72.8%	2,157	2,028	-129	-6.0%
74.1%	2,121	1,991	-130	-6.1%
75.3%	2,094	1,990	-104	-5.0%
76.5%	1,991	1,987	-4	-0.2%
77.8%	1,990	1,855	-135	-6.8%
79.0%	1,987	1,741	-246	-12.4%
80.2%	1,855	1,735	-120	-6.5%
81.5%	1,741	1,560	-181	-10.4%
82.7%	1,633	1,499	-134	-8.2%
84.0%	1,318	1,429	111	8.4%
85.2%	1,297	1,297	0	0.0%
86.4%	1,084	1,084	0	0.0%
87.7%	1,079	1,079	0	0.0%
88.9%	1,066	1,059	-7	-0.7%
90.1%	946	955	9	1.0%
91.4%	903	903	0	0.0%
92.6%	800	869	69	8.6%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	600	800	200	33.3%
97.5%	600	650	50	8.3%
98.8%	600	600	0	0.0%
100.0%	569	600	31	5.5%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,726	2,726	0	0.0%
1.2%	2,722	2,722	0	0.0%
2.5%	2,655	2,649	-6	-0.2%
3.7%	2,347	2,341	-6	-0.3%
4.9%	2,269	2,263	-6	-0.3%
6.2%	1,951	1,946	-6	-0.3%
7.4%	1,852	1,846	-6	-0.3%
8.6%	1,665	1,660	-6	-0.4%
9.9%	1,625	1,619	-6	-0.4%
11.1%	1,527	1,521	-6	-0.4%
12.3%	1,470	1,464	-6	-0.4%
13.6%	1,297	1,292	-5	-0.4%
14.8%	1,215	1,215	0	0.0%
16.0%	1,195	1,195	0	0.0%
17.3%	1,174	1,174	0	0.0%
18.5%	1,157	1,151	-6	-0.5%
19.8%	1,119	1,119	0	0.0%
21.0%	1,111	1,111	0	0.0%
22.2%	1,099	1,099	0	0.0%
23.5%	1,085	1,085	0	0.0%
24.7%	1,083	1,083	0	0.0%
25.9%	1,076	1,076	0	0.0%
27.2%	1,003	998	-6	-0.6%
28.4%	994	994	0	0.0%
29.6%	974	974	0	0.0%
30.9%	970	969	-1	-0.1%
32.1%	950	950	0	0.0%
33.3%	949	947	-3	-0.3%
34.6%	947	943	-4	-0.4%
35.8%	938	938	0	0.0%
37.0%	931	925	-6	-0.6%
38.3%	919	919	0	0.0%
39.5%	916	916	0	0.0%
40.7%	904	904	0	0.0%
42.0%	893	893	0	0.0%
43.2%	893	893	0	0.0%
44.4%	880	881	0	0.0%
45.7%	878	878	0	0.0%
46.9%	856	856	0	0.0%
48.1%	855	855	0	0.0%
49.4%	853	853	0	0.0%
50.6%	852	852	0	0.0%
51.9%	847	849	2	0.2%
53.1%	819	847	29	3.5%
54.3%	817	819	2	0.2%
55.6%	816	817	0	0.1%
56.8%	802	817	14	1.8%
58.0%	800	802	2	0.3%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	600	800	200	33.3%
100.0%	600	800	200	33.3%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,341	4,333	-8	-0.2%
1.2%	4,184	4,176	-8	-0.2%
2.5%	4,019	4,063	44	1.1%
3.7%	3,933	3,971	39	1.0%
4.9%	2,373	2,364	-9	-0.4%
6.2%	2,265	2,256	-9	-0.4%
7.4%	2,102	2,093	-9	-0.4%
8.6%	1,825	1,817	-9	-0.5%
9.9%	1,711	1,702	-9	-0.5%
11.1%	1,424	1,415	-9	-0.6%
12.3%	1,389	1,380	-9	-0.6%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,274	-1	-0.1%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	0	0.0%
19.8%	1,133	1,065	-68	-6.0%
21.0%	1,106	1,036	-70	-6.3%
22.2%	1,064	990	-74	-7.0%
23.5%	1,044	976	-69	-6.6%
24.7%	990	942	-48	-4.9%
25.9%	984	904	-80	-8.1%
27.2%	943	890	-53	-5.6%
28.4%	905	885	-20	-2.2%
29.6%	890	885	-6	-0.6%
30.9%	885	851	-35	-3.9%
32.1%	885	835	-50	-5.7%
33.3%	876	815	-61	-6.9%
34.6%	855	811	-45	-5.2%
35.8%	835	800	-35	-4.2%
37.0%	815	800	-15	-1.8%
38.3%	804	800	-4	-0.5%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-37-9b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,059	4,317	258	6.4%
13.6%	3,953	4,134	181	4.6%
14.8%	3,901	3,953	52	1.3%
16.0%	3,847	3,901	54	1.4%
17.3%	3,782	3,847	64	1.7%
18.5%	3,561	3,782	222	6.2%
19.8%	3,556	3,641	85	2.4%
21.0%	3,476	3,561	85	2.5%
22.2%	3,378	3,476	98	2.9%
23.5%	3,364	3,378	13	0.4%
24.7%	3,203	3,135	-68	-2.1%
25.9%	3,033	3,078	45	1.5%
27.2%	2,938	2,877	-61	-2.1%
28.4%	2,877	2,873	-4	-0.1%
29.6%	2,873	2,843	-29	-1.0%
30.9%	2,869	2,813	-56	-1.9%
32.1%	2,862	2,789	-73	-2.6%
33.3%	2,834	2,734	-100	-3.5%
34.6%	2,789	2,720	-68	-2.4%
35.8%	2,752	2,638	-114	-4.1%
37.0%	2,675	2,631	-44	-1.7%
38.3%	2,664	2,572	-93	-3.5%
39.5%	2,662	2,509	-153	-5.7%
40.7%	2,638	2,464	-174	-6.6%
42.0%	2,578	2,399	-179	-6.9%
43.2%	2,523	2,348	-175	-6.9%
44.4%	2,495	2,055	-440	-17.6%
45.7%	2,489	2,041	-448	-18.0%
46.9%	2,464	2,039	-425	-17.2%
48.1%	2,400	1,953	-447	-18.6%
49.4%	2,378	1,928	-450	-18.9%
50.6%	2,348	1,872	-476	-20.3%
51.9%	2,306	1,863	-442	-19.2%
53.1%	2,302	1,858	-444	-19.3%
54.3%	2,283	1,850	-433	-19.0%
55.6%	2,041	1,849	-191	-9.4%
56.8%	1,928	1,837	-91	-4.7%
58.0%	1,858	1,802	-56	-3.0%
59.3%	1,837	1,723	-114	-6.2%
60.5%	1,775	1,691	-84	-4.8%
61.7%	1,723	1,677	-46	-2.7%
63.0%	1,677	1,668	-9	-0.6%
64.2%	1,668	1,666	-2	-0.1%
65.4%	1,666	1,653	-12	-0.7%
66.7%	1,663	1,650	-12	-0.7%
67.9%	1,653	1,640	-14	-0.8%
69.1%	1,651	1,610	-41	-2.5%
70.4%	1,640	1,595	-46	-2.8%
71.6%	1,610	1,521	-90	-5.6%
72.8%	1,599	1,506	-93	-5.8%
74.1%	1,595	1,361	-233	-14.6%
75.3%	1,506	1,207	-299	-19.8%
76.5%	1,304	885	-419	-32.2%
77.8%	1,260	857	-403	-32.0%
79.0%	1,220	854	-366	-30.0%
80.2%	1,156	846	-310	-26.8%
81.5%	886	840	-46	-5.2%
82.7%	846	840	-6	-0.7%
84.0%	846	840	-6	-0.7%
85.2%	840	805	-35	-4.2%
86.4%	840	802	-38	-4.5%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	800	200	33.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,595	4,600	5	0.1%
43.2%	4,569	4,600	31	0.7%
44.4%	4,562	4,600	38	0.8%
45.7%	4,540	4,600	60	1.3%
46.9%	4,523	4,587	64	1.4%
48.1%	4,522	4,579	56	1.2%
49.4%	4,514	4,547	33	0.7%
50.6%	4,509	4,542	33	0.7%
51.9%	4,505	4,541	36	0.8%
53.1%	4,500	4,538	38	0.9%
54.3%	4,492	4,538	45	1.0%
55.6%	4,486	4,537	51	1.1%
56.8%	4,476	4,532	56	1.3%
58.0%	4,470	4,526	56	1.2%
59.3%	4,399	4,514	114	2.6%
60.5%	4,394	4,511	117	2.7%
61.7%	4,347	4,491	144	3.3%
63.0%	4,320	4,481	161	3.7%
64.2%	4,271	4,476	206	4.8%
65.4%	4,259	4,445	187	4.4%
66.7%	4,164	4,438	274	6.6%
67.9%	4,109	4,429	320	7.8%
69.1%	3,970	4,417	448	11.3%
70.4%	3,964	4,165	201	5.1%
71.6%	3,897	4,074	178	4.6%
72.8%	3,820	4,041	221	5.8%
74.1%	3,662	4,025	363	9.9%
75.3%	3,611	3,941	330	9.1%
76.5%	3,568	3,809	241	6.8%
77.8%	3,419	3,649	230	6.7%
79.0%	3,405	3,582	177	5.2%
80.2%	3,263	3,421	158	4.9%
81.5%	3,220	3,358	138	4.3%
82.7%	3,099	3,308	209	6.7%
84.0%	3,058	3,246	188	6.2%
85.2%	2,930	3,079	148	5.1%
86.4%	2,844	2,996	152	5.4%
87.7%	2,678	2,951	272	10.2%
88.9%	2,575	2,280	-295	-11.5%
90.1%	1,995	2,238	244	12.2%
91.4%	1,861	1,994	133	7.1%
92.6%	832	1,819	986	118.5%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	600	800	200	33.3%
98.8%	600	800	200	33.3%
100.0%	600	600	0	0.0%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,600	4,600	0	0.0%
44.4%	4,600	4,600	0	0.0%
45.7%	4,600	4,600	0	0.0%
46.9%	4,600	4,600	0	0.0%
48.1%	4,600	4,600	0	0.0%
49.4%	4,600	4,600	0	0.0%
50.6%	4,600	4,600	0	0.0%
51.9%	4,600	4,600	0	0.0%
53.1%	4,600	4,600	0	0.0%
54.3%	4,600	4,600	0	0.0%
55.6%	4,600	4,600	0	0.0%
56.8%	4,600	4,600	0	0.0%
58.0%	4,600	4,600	0	0.0%
59.3%	4,600	4,600	0	0.0%
60.5%	4,600	4,600	0	0.0%
61.7%	4,600	4,600	0	0.0%
63.0%	4,556	4,600	44	1.0%
64.2%	4,553	4,600	47	1.0%
65.4%	4,535	4,405	-130	-2.9%
66.7%	4,481	4,377	-104	-2.3%
67.9%	4,445	4,338	-107	-2.4%
69.1%	4,155	4,297	141	3.4%
70.4%	4,021	4,261	239	6.0%
71.6%	3,950	4,134	184	4.7%
72.8%	3,889	4,080	190	4.9%
74.1%	3,881	4,042	162	4.2%
75.3%	3,824	3,835	11	0.3%
76.5%	3,495	3,709	214	6.1%
77.8%	3,485	3,659	174	5.0%
79.0%	3,453	3,643	191	5.5%
80.2%	3,390	3,071	-319	-9.4%
81.5%	3,333	2,904	-429	-12.9%
82.7%	3,290	2,890	-400	-12.2%
84.0%	3,118	2,788	-330	-10.6%
85.2%	2,710	2,658	-51	-1.9%
86.4%	2,481	2,635	153	6.2%
87.7%	2,454	2,530	76	3.1%
88.9%	1,927	2,477	550	28.6%
90.1%	1,717	2,183	465	27.1%
91.4%	1,658	1,764	106	6.4%
92.6%	1,325	1,681	355	26.8%
93.8%	974	978	4	0.4%
95.1%	600	800	200	33.3%
96.3%	600	800	200	33.3%
97.5%	600	600	0	0.0%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,579	4,600	21	0.5%
39.5%	4,533	4,600	67	1.5%
40.7%	4,531	4,600	69	1.5%
42.0%	4,502	4,600	98	2.2%
43.2%	4,481	4,600	119	2.7%
44.4%	4,470	4,600	130	2.9%
45.7%	4,457	4,600	143	3.2%
46.9%	4,451	4,600	149	3.3%
48.1%	4,443	4,569	126	2.8%
49.4%	4,434	4,531	97	2.2%
50.6%	4,411	4,529	117	2.7%
51.9%	4,410	4,515	105	2.4%
53.1%	4,336	4,495	159	3.7%
54.3%	4,329	4,474	145	3.3%
55.6%	4,229	4,454	225	5.3%
56.8%	4,121	4,453	333	8.1%
58.0%	4,022	4,451	429	10.7%
59.3%	4,006	4,435	429	10.7%
60.5%	4,000	4,432	432	10.8%
61.7%	3,813	4,414	602	15.8%
63.0%	3,810	4,374	564	14.8%
64.2%	3,779	4,361	581	15.4%
65.4%	3,757	4,358	600	16.0%
66.7%	3,713	4,310	597	16.1%
67.9%	3,702	4,283	581	15.7%
69.1%	3,654	4,121	466	12.8%
70.4%	3,598	4,037	439	12.2%
71.6%	3,583	3,991	408	11.4%
72.8%	3,406	3,968	562	16.5%
74.1%	3,272	3,889	616	18.8%
75.3%	3,020	3,861	841	27.8%
76.5%	2,996	3,846	850	28.4%
77.8%	2,966	3,690	724	24.4%
79.0%	2,958	3,664	706	23.9%
80.2%	2,944	3,608	664	22.6%
81.5%	2,932	3,579	648	22.1%
82.7%	2,848	3,489	641	22.5%
84.0%	2,755	3,437	682	24.8%
85.2%	2,715	3,220	505	18.6%
86.4%	2,685	3,032	348	13.0%
87.7%	2,513	2,995	482	19.2%
88.9%	2,499	2,971	472	18.9%
90.1%	2,391	2,944	554	23.2%
91.4%	2,374	2,935	561	23.6%
92.6%	2,238	2,856	618	27.6%
93.8%	2,218	2,747	529	23.8%
95.1%	1,982	2,489	507	25.6%
96.3%	1,810	2,475	665	36.8%
97.5%	800	2,433	1,633	204.1%
98.8%	800	818	18	2.3%
100.0%	800	800	0	0.0%

Table SW-38-9a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	3,286	3,247	4,962	3,508	4,143	3,854	1,060	1,117	2,549	6,539	5,927	4,840
Alternative D	3,661	3,925	4,959	3,554	4,038	3,827	1,056	1,129	2,585	6,559	6,295	5,346
Difference	375	679	-3	46	-105	-27	-4	12	36	19	368	505
Percent Difference[3]	11.4%	20.9%	-0.1%	1.3%	-2.5%	-0.7%	-0.4%	1.0%	1.4%	0.3%	6.2%	10.4%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	3,774	3,040	5,919	4,454	5,644	5,782	1,549	1,829	4,066	6,889	7,121	5,992
Alternative D	4,518	3,725	6,163	4,458	5,399	5,795	1,547	1,826	4,081	6,868	7,078	6,548
Difference	745	685	244	4	-245	13	-2	-2	15	-21	-43	555
Percent Difference	19.7%	22.5%	4.1%	0.1%	-4.3%	0.2%	-0.1%	-0.1%	0.4%	-0.3%	-0.6%	9.3%
Above Normal (15%)												
No Action Alternative	3,768	2,932	5,470	3,630	4,169	4,280	879	804	3,029	6,667	7,057	5,790
Alternative D	4,180	4,497	5,304	3,403	4,125	4,207	878	802	3,099	6,483	7,076	6,172
Difference	413	1,564	-166	-227	-44	-73	-2	-2	69	-184	19	382
Percent Difference	11.0%	53.3%	-3.0%	-6.3%	-1.1%	-1.7%	-0.2%	-0.2%	2.3%	-2.8%	0.3%	6.6%
Below Normal (17%)												
No Action Alternative	3,884	4,755	4,867	3,289	4,137	3,980	843	799	1,969	6,950	6,713	4,955
Alternative D	4,168	5,168	4,853	3,161	3,972	4,021	842	799	2,161	6,917	6,617	5,248
Difference	283	413	-15	-128	-166	41	-1	-1	192	-33	-96	293
Percent Difference	7.3%	8.7%	-0.3%	-3.9%	-4.0%	1.0%	-0.1%	-0.1%	9.7%	-0.5%	-1.4%	5.9%
Dry (22%)												
No Action Alternative	2,734	3,566	4,098	3,010	3,034	2,208	867	848	1,534	6,800	5,679	4,216
Alternative D	2,891	4,011	4,018	3,225	2,937	2,164	831	830	1,528	6,828	6,314	4,988
Difference	157	445	-80	216	-97	-43	-36	-18	-6	28	634	772
Percent Difference	5.8%	12.5%	-2.0%	7.2%	-3.2%	-2.0%	-4.2%	-2.1%	-0.4%	0.4%	11.2%	18.3%
Critical (15%)												
No Action Alternative	1,876	1,769	3,786	2,339	2,532	1,575	727	664	979	4,784	1,663	2,197
Alternative D	1,845	2,209	3,542	2,697	2,730	1,448	761	777	911	5,142	3,413	2,565
Difference	-31	440	-244	358	198	-126	34	114	-68	358	1,750	368
Percent Difference	-1.6%	24.9%	-6.4%	15.3%	7.8%	-8.0%	4.7%	17.1%	-6.9%	7.5%	105.2%	16.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-38-9b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

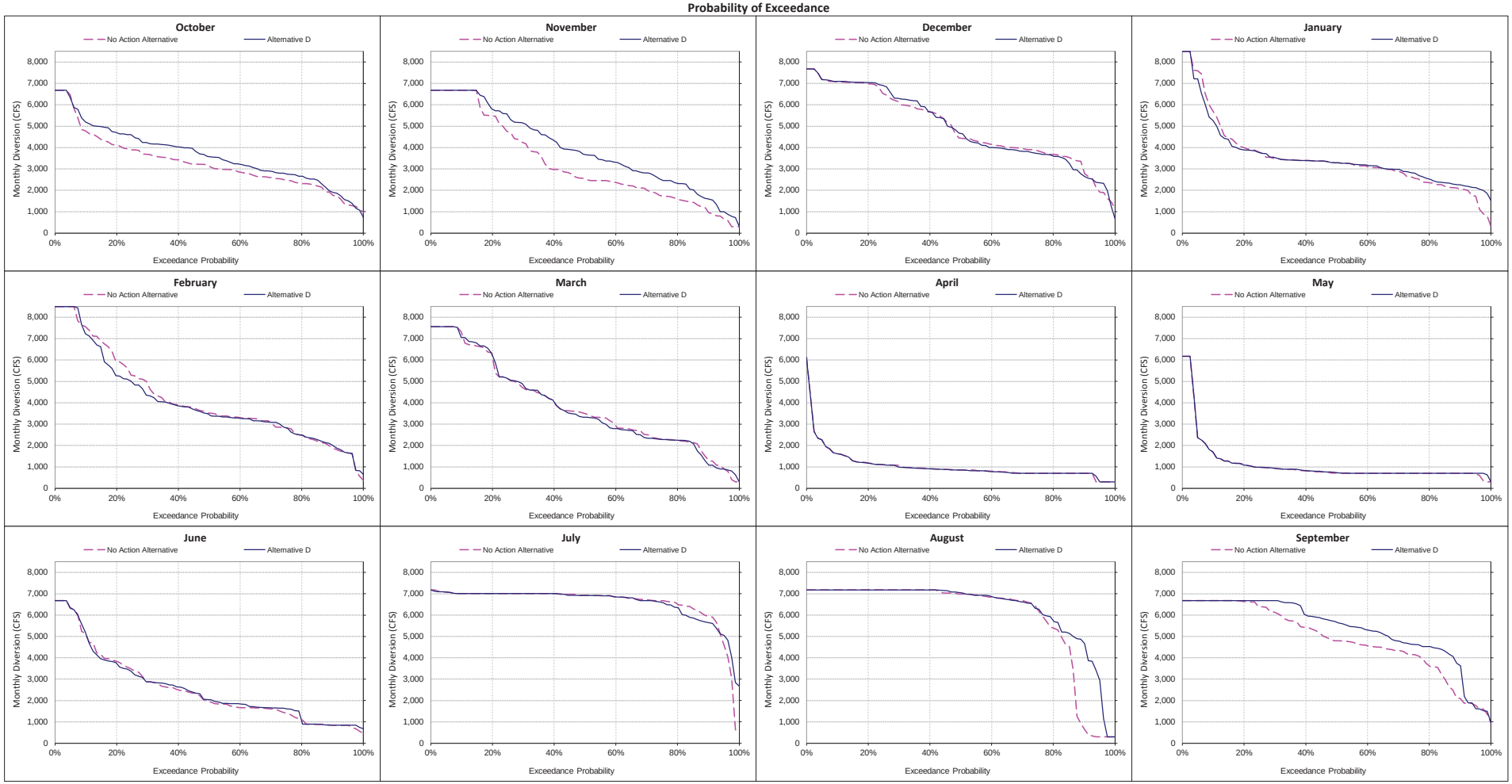

Table SW-38-9b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,473	6,333	-139	-2.2%
6.2%	5,823	5,871	48	0.8%
7.4%	5,401	5,789	388	7.2%
8.6%	4,842	5,393	551	11.4%
9.9%	4,780	5,194	413	8.6%
11.1%	4,646	5,109	463	10.0%
12.3%	4,625	5,014	389	8.4%
13.6%	4,520	4,998	478	10.6%
14.8%	4,387	4,986	598	13.6%
16.0%	4,315	4,946	631	14.6%
17.3%	4,262	4,927	665	15.6%
18.5%	4,137	4,750	614	14.8%
19.8%	4,117	4,717	600	14.6%
21.0%	4,065	4,641	576	14.2%
22.2%	3,969	4,638	669	16.8%
23.5%	3,936	4,605	669	17.0%
24.7%	3,893	4,601	709	18.2%
25.9%	3,888	4,462	574	14.8%
27.2%	3,867	4,411	544	14.1%
28.4%	3,694	4,236	542	14.7%
29.6%	3,687	4,235	547	14.8%
30.9%	3,668	4,176	508	13.8%
32.1%	3,605	4,169	564	15.7%
33.3%	3,573	4,169	596	16.7%
34.6%	3,550	4,148	597	16.8%
35.8%	3,539	4,130	591	16.7%
37.0%	3,510	4,111	602	17.1%
38.3%	3,443	4,072	628	18.3%
39.5%	3,428	4,030	603	17.6%
40.7%	3,411	4,020	608	17.8%
42.0%	3,321	3,993	672	20.2%
43.2%	3,280	3,982	702	21.4%
44.4%	3,228	3,959	732	22.7%
45.7%	3,223	3,815	592	18.4%
46.9%	3,211	3,702	492	15.3%
48.1%	3,211	3,677	466	14.5%
49.4%	3,193	3,588	395	12.4%
50.6%	3,073	3,557	484	15.8%
51.9%	3,009	3,547	537	17.9%
53.1%	2,997	3,533	536	17.9%
54.3%	2,983	3,424	442	14.8%
55.6%	2,979	3,379	400	13.4%
56.8%	2,965	3,310	345	11.6%
58.0%	2,952	3,238	286	9.7%
59.3%	2,875	3,238	362	12.6%
60.5%	2,836	3,200	364	12.8%
61.7%	2,802	3,155	353	12.6%
63.0%	2,780	3,130	350	12.6%
64.2%	2,704	3,061	357	13.2%
65.4%	2,647	3,019	373	14.1%
66.7%	2,630	2,931	301	11.4%
67.9%	2,630	2,910	280	10.6%
69.1%	2,612	2,902	290	11.1%
70.4%	2,582	2,879	297	11.5%
71.6%	2,546	2,828	282	11.1%
72.8%	2,537	2,806	269	10.6%
74.1%	2,502	2,800	299	11.9%
75.3%	2,468	2,757	289	11.7%
76.5%	2,445	2,737	293	12.0%
77.8%	2,376	2,731	355	14.9%
79.0%	2,338	2,662	324	13.9%
80.2%	2,318	2,654	337	14.5%
81.5%	2,317	2,568	250	10.8%
82.7%	2,284	2,532	248	10.9%
84.0%	2,257	2,524	268	11.9%
85.2%	2,196	2,466	270	12.3%
86.4%	2,143	2,306	163	7.6%
87.7%	1,919	2,145	226	11.8%
88.9%	1,916	1,976	60	3.1%
90.1%	1,760	1,905	145	8.2%
91.4%	1,743	1,866	123	7.0%
92.6%	1,586	1,751	164	10.4%
93.8%	1,365	1,569	204	14.9%
95.1%	1,316	1,505	189	14.3%
96.3%	1,281	1,392	111	8.7%
97.5%	1,244	1,168	-76	-6.1%
98.8%	1,101	1,072	-29	-2.6%
100.0%	978	723	-255	-26.0%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,664	-16	-0.2%
16.0%	5,855	6,443	589	10.1%
17.3%	5,520	6,389	869	15.7%
18.5%	5,508	6,076	568	10.3%
19.8%	5,466	5,812	346	6.3%
21.0%	5,465	5,726	261	4.8%
22.2%	5,119	5,714	595	11.6%
23.5%	4,989	5,594	606	12.1%
24.7%	4,758	5,574	816	17.2%
25.9%	4,697	5,308	611	13.0%
27.2%	4,411	5,190	778	17.6%
28.4%	4,384	5,178	794	18.1%
29.6%	4,246	5,167	921	21.7%
30.9%	4,171	5,095	924	22.1%
32.1%	3,849	4,918	1,069	27.8%
33.3%	3,807	4,826	1,019	26.8%
34.6%	3,780	4,811	1,032	27.3%
35.8%	3,599	4,606	1,007	28.0%
37.0%	3,234	4,596	1,362	42.1%
38.3%	3,029	4,460	1,431	47.3%
39.5%	2,974	4,368	1,394	46.9%
40.7%	2,973	4,249	1,276	42.9%
42.0%	2,968	4,000	1,032	34.8%
43.2%	2,860	3,927	1,068	37.3%
44.4%	2,839	3,919	1,080	38.1%
45.7%	2,766	3,892	1,127	40.7%
46.9%	2,625	3,870	1,245	47.5%
48.1%	2,576	3,823	1,248	48.4%
49.4%	2,564	3,692	1,128	44.0%
50.6%	2,488	3,655	1,167	46.9%
51.9%	2,451	3,647	1,196	48.8%
53.1%	2,451	3,627	1,176	48.0%
54.3%	2,451	3,451	1,000	40.8%
55.6%	2,451	3,431	980	40.0%
56.8%	2,451	3,374	923	37.7%
58.0%	2,419	3,372	953	39.4%
59.3%	2,383	3,324	940	39.5%
60.5%	2,354	3,302	948	40.3%
61.7%	2,285	3,222	937	41.0%
63.0%	2,263	3,122	859	37.9%
64.2%	2,215	3,065	850	38.4%
65.4%	2,205	2,920	716	32.5%
66.7%	2,123	2,904	782	36.8%
67.9%	2,114	2,852	737	34.9%
69.1%	2,100	2,810	711	33.8%
70.4%	1,977	2,810	833	42.1%
71.6%	1,924	2,751	826	42.9%
72.8%	1,872	2,649	777	41.5%
74.1%	1,773	2,536	764	43.1%
75.3%	1,725	2,451	726	42.1%
76.5%	1,717	2,451	734	42.7%
77.8%	1,702	2,451	749	44.0%
79.0%	1,639	2,360	721	44.0%
80.2%	1,565	2,311	747	47.7%
81.5%	1,532	2,309	778	50.8%
82.7%	1,494	2,293	799	53.5%
84.0%	1,462	2,058	596	40.7%
85.2%	1,440	2,014	574	39.9%
86.4%	1,317	1,810	494	37.5%
87.7%	1,231	1,707	476	38.6%
88.9%	1,202	1,622	420	34.9%
90.1%	948	1,588	640	67.5%
91.4%	900	1,546	647	71.9%
92.6%	812	1,347	535	65.8%
93.8%	790	1,000	210	26.6%
95.1%	649	998	349	53.8%
96.3%	587	876	289	49.3%
97.5%	300	779	479	159.8%
98.8%	300	729	429	142.9%
100.0%	300	312	12	3.9%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,492	7,492	0	0.0%
4.9%	7,181	7,181	0	0.0%
6.2%	7,170	7,170	0	0.0%
7.4%	7,099	7,146	47	0.7%
8.6%	7,097	7,099	2	0.0%
9.9%	7,069	7,097	28	0.4%
11.1%	7,067	7,092	25	0.4%
12.3%	7,066	7,091	25	0.4%
13.6%	7,046	7,067	21	0.3%
14.8%	7,043	7,066	23	0.3%
16.0%	7,041	7,052	10	0.1%
17.3%	7,034	7,046	12	0.2%
18.5%	7,022	7,043	21	0.3%
19.8%	6,979	7,041	62	0.9%
21.0%	6,974	7,034	60	0.9%
22.2%	6,939	7,022	83	1.2%
23.5%	6,811	6,939	129	1.9%
24.7%	6,536	6,909	373	5.7%
25.9%	6,455	6,839	384	5.9%
27.2%	6,298	6,575	277	4.4%
28.4%	6,215	6,314	99	1.6%
29.6%	6,164	6,296	132	2.1%
30.9%	5,995	6,270	275	4.6%
32.1%	5,986	6,250	264	4.4%
33.3%	5,948	6,223	275	4.6%
34.6%	5,922	6,189	267	4.5%
35.8%	5,816	6,188	372	6.4%
37.0%	5,795	5,927	132	2.3%
38.3%	5,750	5,905	155	2.7%
39.5%	5,670	5,681	11	0.2%
40.7%	5,659	5,637	-22	-0.4%
42.0%	5,594	5,407	-187	-3.3%
43.2%	5,486	5,400	-86	-1.6%
44.4%	5,351	5,351	0	0.0%
45.7%	5,166	4,999	-167	-3.2%
46.9%	5,049	4,945	-104	-2.1%
48.1%	4,672	4,837	165	3.5%
49.4%	4,451	4,672	221	5.0%
50.6%	4,421	4,640	219	4.9%
51.9%	4,414	4,401	-13	-0.3%
53.1%	4,401	4,283	-118	-2.7%
54.3%	4,334	4,234	-100	-2.3%
55.6%	4,283	4,208	-75	-1.7%
56.8%	4,234	4,112	-122	-2.9%
58.0%	4,208	4,097	-111	-2.6%
59.3%	4,165	4,004	-161	-3.9%
60.5%	4,136	4,003	-133	-3.2%
61.7%	4,097	3,982	-114	-2.8%
63.0%	4,080	3,976	-104	-2.5%
64.2%	4,027	3,943	-84	-2.1%
65.4%	4,004	3,904	-100	-2.5%
66.7%	4,003	3,899	-104	-2.6%
67.9%	3,992	3,886	-106	-2.6%
69.1%	3,976	3,829	-147	-3.7%
70.4%	3,943	3,826	-117	-3.0%
71.6%	3,904	3,823	-81	-2.1%
72.8%	3,899	3,775	-124	-3.2%
74.1%	3,886	3,742	-144	-3.7%
75.3%	3,829	3,710	-119	-3.1%
76.5%	3,775	3,674	-101	-2.7%
77.8%	3,710	3,674	-36	-1.0%
79.0%	3,674	3,659	-15	-0.4%
80.2%	3,674	3,586	-89	-2.4%
81.5%	3,659	3,582	-77	-2.1%
82.7%	3,586	3,531	-54	-1.5%
84.0%	3,583	3,459	-124	-3.5%
85.2%	3,531	3,261	-271	-7.7%
86.4%	3,426	2,969	-456	-13.3%
87.7%	3,383	2,950	-433	-12.8%
88.9%	3,356	2,776	-580	-17.3%
90.1%	2,779	2,647	-131	-4.7%
91.4%	2,643	2,568	-76	-2.9%
92.6%	2,549	2,527	-23	-0.9%
93.8%	2,132	2,374	242	11.4%
95.1%	1,913	2,349	435	22.8%
96.3%	1,901	2,329	429	22.6%
97.5%	1,614	1,984	370	22.9%
98.8%	1,455	1,256	-199	-13.7%
100.0%	1,149	678	-471	-41.0%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	7,621	7,218	-403	-5.3%
4.9%	7,589	7,213	-376	-5.0%
6.2%	7,449	6,529	-920	-12.4%
7.4%	6,529	6,003	-526	-8.1%
8.6%	6,020	5,419	-601	-10.0%
9.9%	5,718	5,264	-454	-7.9%
11.1%	5,438	4,996	-441	-8.1%
12.3%	5,014	4,564	-450	-9.0%
13.6%	4,564	4,430	-135	-2.9%
14.8%	4,438	4,395	-44	-1.0%
16.0%	4,404	4,063	-341	-7.7%
17.3%	4,230	4,010	-220	-5.2%
18.5%	4,063	3,925	-138	-3.4%
19.8%	4,014	3,888	-126	-3.1%
21.0%	3,934	3,880	-54	-1.4%
22.2%	3,888	3,864	-24	-0.6%
23.5%	3,880	3,840	-40	-1.0%
24.7%	3,800	3,768	-32	-0.8%
25.9%	3,729	3,729	0	0.0%
27.2%	3,554	3,712	158	4.5%
28.4%	3,545	3,554	9	0.2%
29.6%	3,490	3,545	54	1.6%
30.9%	3,489	3,489	0	0.0%
32.1%	3,442	3,442	0	0.0%
33.3%	3,426	3,426	0	0.0%
34.6%	3,424	3,424	0	0.0%
35.8%	3,414	3,414	0	0.0%
37.0%	3,410	3,410	0	0.0%
38.3%	3,397	3,397	0	0.0%
39.5%	3,392	3,392	0	0.0%
40.7%	3,389	3,389	0	0.0%
42.0%	3,386	3,386	0	0.0%
43.2%	3,375	3,375	0	0.0%
44.4%	3,374	3,374	0	0.0%
45.7%	3,370	3,370	0	0.0%
46.9%	3,351	3,351	0	0.0%
48.1%	3,298	3,298	0	0.0%
49.4%	3,291	3,291	0	0.0%
50.6%	3,285	3,285	0	0.0%
51.9%	3,269	3,269	0	0.0%
53.1%	3,260	3,259	-1	0.0%
54.3%	3,246	3,246	0	0.0%
55.6%	3,190	3,214	23	0.7%
56.8%	3,162	3,206	44	1.4%
58.0%	3,142	3,190	48	1.5%
59.3%	3,142	3,189	47	1.5%
60.5%	3,080	3,162	82	2.7%
61.7%	3,060	3,142	82	2.7%
63.0%	3,056	3,141	85	2.8%
64.2%	3,044	3,060	16	0.5%
65.4%	2,986	3,014	28	0.9%
66.7%	2,980	2,996	16	0.5%
67.9%	2,968	2,986	18	0.6%
69.1%	2,880	2,985	105	3.6%
70.4%	2,873	2,980	107	3.7%
71.6%	2,803	2,880	76	2.7%
72.8%	2,638	2,873	235	8.9%
74.1%	2,634	2,822	187	7.1%
75.3%	2,563	2,803	240	9.4%
76.5%	2,522	2,690	169	6.7%
77.8%	2,387	2,634	247	10.4%
79.0%	2,373	2,563	190	8.0%
80.2%	2,346	2,522	176	7.5%
81.5%	2,339	2,439	100	4.3%
82.7%	2,268	2,387	119	5.2%
84.0%	2,261	2,373	113	5.0%
85.2%	2,186	2,346	160	7.3%
86.4%	2,136	2,342	206	9.7%
87.7%	2,121	2,293	172	8.1%
88.9%	2,110	2,268	159	7.5%
90.1%	2,048	2,261	213	10.4%
91.4%	2,046	2,206	160	7.8%
92.6%	1,993	2,186	194	9.7%
93.8%	1,748	2,136	388	22.2%
95.1%	1,730	2,121	391	22.6%
96.3%	1,110	2,048	937	84.4%
97.5%	897	1,993	1,096	122.1%
98.8%	823	1,849	1,026	124.7%
100.0%	300	1,519	1,219	406.3%

Table SW-38-9b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	7,829	8,437	608	7.8%
8.6%	7,655	7,655	0	0.0%
9.9%	7,556	7,232	-324	-4.3%
11.1%	7,390	7,119	-271	-3.7%
12.3%	7,119	6,918	-201	-2.8%
13.6%	7,111	6,704	-406	-5.7%
14.8%	6,901	6,616	-285	-4.1%
16.0%	6,756	5,913	-843	-12.5%
17.3%	6,616	5,769	-847	-12.8%
18.5%	6,391	5,605	-786	-12.3%
19.8%	5,938	5,269	-669	-11.3%
21.0%	5,914	5,251	-663	-11.2%
22.2%	5,784	5,123	-661	-11.4%
23.5%	5,624	5,100	-524	-9.3%
24.7%	5,288	5,008	-280	-5.3%
25.9%	5,251	4,835	-417	-7.9%
27.2%	5,123	4,824	-299	-5.8%
28.4%	5,100	4,655	-445	-8.7%
29.6%	5,008	4,355	-654	-13.1%
30.9%	4,622	4,320	-302	-6.5%
32.1%	4,408	4,238	-171	-3.9%
33.3%	4,320	4,064	-256	-5.9%
34.6%	4,251	4,047	-204	-4.8%
35.8%	4,047	4,032	-14	-0.4%
37.0%	4,032	3,972	-61	-1.5%
38.3%	3,932	3,933	0	0.0%
39.5%	3,909	3,870	-39	-1.0%
40.7%	3,870	3,833	-38	-1.0%
42.0%	3,831	3,812	-19	-0.5%
43.2%	3,812	3,797	-15	-0.4%
44.4%	3,797	3,712	-85	-2.2%
45.7%	3,711	3,646	-65	-1.8%
46.9%	3,646	3,600	-46	-1.2%
48.1%	3,600	3,520	-80	-2.2%
49.4%	3,520	3,485	-35	-1.0%
50.6%	3,505	3,377	-128	-3.7%
51.9%	3,486	3,376	-110	-3.2%
53.1%	3,383	3,367	-16	-0.5%
54.3%	3,377	3,337	-40	-1.2%
55.6%	3,376	3,335	-41	-1.2%
56.8%	3,348	3,316	-32	-0.9%
58.0%	3,335	3,285	-49	-1.5%
59.3%	3,316	3,283	-34	-1.0%
60.5%	3,285	3,265	-21	-0.6%
61.7%	3,283	3,257	-26	-0.8%
63.0%	3,268	3,252	-16	-0.5%
64.2%	3,257	3,161	-96	-2.9%
65.4%	3,252	3,152	-100	-3.1%
66.7%	3,161	3,150	-11	-0.3%
67.9%	3,152	3,106	-46	-1.5%
69.1%	3,150	3,096	-54	-1.7%
70.4%	3,000	3,090	90	3.0%
71.6%	2,861	3,081	220	7.7%
72.8%	2,856	3,000	144	5.0%
74.1%	2,825	2,862	37	1.3%
75.3%	2,821	2,814	-6	-0.2%
76.5%	2,777	2,620	-157	-5.7%
77.8%	2,537	2,537	0	0.0%
79.0%	2,499	2,499	0	0.0%
80.2%	2,482	2,482	0	0.0%
81.5%	2,331	2,391	60	2.6%
82.7%	2,312	2,365	53	2.3%
84.0%	2,270	2,331	61	2.7%
85.2%	2,197	2,270	73	3.3%
86.4%	2,136	2,197	61	2.9%
87.7%	2,102	2,136	34	1.6%
88.9%	1,997	2,102	105	5.2%
90.1%	1,872	1,997	125	6.7%
91.4%	1,804	1,872	68	3.8%
92.6%	1,728	1,804	77	4.4%
93.8%	1,691	1,691	0	0.0%
95.1%	1,650	1,646	-5	-0.3%
96.3%	1,631	1,631	0	0.0%
97.5%	807	834	27	3.4%
98.8%	553	822	268	48.5%
100.0%	366	640	274	74.7%

March				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,525	7,525	0	0.0%
9.9%	7,317	7,064	-253	-3.5%
11.1%	6,790	7,048	258	3.8%
12.3%	6,711	6,870	159	2.4%
13.6%	6,698	6,847	149	2.2%
14.8%	6,659	6,803	144	2.2%
16.0%	6,617	6,661	44	0.7%
17.3%	6,569	6,659	90	1.4%
18.5%	6,373	6,553	180	2.8%
19.8%	6,341	6,310	-31	-0.5%
21.0%	5,383	5,861	477	8.9%
22.2%	5,212	5,214	2	0.0%
23.5%	5,206	5,206	0	0.0%
24.7%	5,149	5,149	0	0.0%
25.9%	5,033	5,061	28	0.5%
27.2%	4,994	5,033	40	0.8%
28.4%	4,899	4,990	91	1.9%
29.6%	4,717	4,899	182	3.9%
30.9%	4,611	4,669	58	1.3%
32.1%	4,591	4,593	2	0.0%
33.3%	4,576	4,591	15	0.3%
34.6%	4,467	4,576	110	2.5%
35.8%	4,432	4,379	-53	-1.2%
37.0%	4,330	4,330	0	0.0%
38.3%	4,199	4,199	0	0.0%
39.5%	4,138	4,130	-8	-0.2%
40.7%	3,865	3,865	0	0.0%
42.0%	3,710	3,710	0	0.0%
43.2%	3,644	3,633	-11	-0.3%
44.4%	3,633	3,523	-110	-3.0%
45.7%	3,607	3,484	-123	-3.4%
46.9%	3,602	3,465	-137	-3.8%
48.1%	3,567	3,356	-211	-5.9%
49.4%	3,523	3,325	-198	-5.6%
50.6%	3,465	3,317	-148	-4.3%
51.9%	3,378	3,296	-82	-2.4%
53.1%	3,325	3,290	-35	-1.0%
54.3%	3,317	3,228	-90	-2.7%
55.6%	3,296	3,064	-232	-7.0%
56.8%	3,290	2,996	-294	-8.9%
58.0%	3,156	2,821	-335	-10.6%
59.3%	3,063	2,784	-280	-9.1%
60.5%	2,815	2,783	-32	-1.1%
61.7%	2,808	2,738	-70	-2.5%
63.0%	2,794	2,726	-68	-2.4%
64.2%	2,773	2,705	-67	-2.4%
65.4%	2,726	2,690	-36	-1.3%
66.7%	2,705	2,513	-193	-7.1%
67.9%	2,690	2,503	-187	-6.9%
69.1%	2,513	2,372	-140	-5.6%
70.4%	2,503	2,343	-160	-6.4%
71.6%	2,372	2,332	-40	-1.7%
72.8%	2,343	2,314	-29	-1.2%
74.1%	2,314	2,288	-26	-1.1%
75.3%	2,288	2,283	-5	-0.2%
76.5%	2,281	2,281	-1	0.0%
77.8%	2,275	2,253	-22	-1.0%
79.0%	2,241	2,251	10	0.4%
80.2%	2,235	2,241	6	0.3%
81.5%	2,206	2,240	34	1.5%
82.7%	2,195	2,235	40	1.8%
84.0%	2,157	2,195	38	1.7%
85.2%	2,137	2,079	-58	-2.7%
86.4%	2,079	1,741	-338	-16.3%
87.7%	1,741	1,560	-181	-10.4%
88.9%	1,505	1,297	-207	-13.8%
90.1%	1,297	1,084	-213	-16.4%
91.4%	1,271	1,079	-192	-15.1%
92.6%	1,084	955	-129	-11.9%
93.8%	1,079	905	-174	-16.1%
95.1%	903	903	0	0.0%
96.3%	798	855	57	7.1%
97.5%	402	805	403	100.2%
98.8%	300	629	329	109.7%
100.0%	300	300	0	0.0%

April				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	4,375	4,375	0	0.0%
2.5%	2,655	2,649	-6	-0.2%
3.7%	2,347	2,341	-6	-0.3%
4.9%	2,269	2,263	-6	-0.3%
6.2%	1,951	1,946	-6	-0.3%
7.4%	1,852	1,846	-6	-0.3%
8.6%	1,665	1,660	-6	-0.4%
9.9%	1,625	1,619	-6	-0.4%
11.1%	1,592	1,592	0	0.0%
12.3%	1,527	1,521	-6	-0.4%
13.6%	1,470	1,464	-6	-0.4%
14.8%	1,297	1,292	-5	-0.4%
16.0%	1,239	1,239	0	0.0%
17.3%	1,221	1,215	-6	-0.5%
18.5%	1,221	1,195	-26	-2.1%
19.8%	1,195	1,180	-15	-1.2%
21.0%	1,157	1,151	-6	-0.5%
22.2%	1,119	1,119	0	0.0%
23.5%	1,111	1,111	0	0.0%
24.7%	1,102	1,099	-3	-0.3%
25.9%	1,099	1,085	-14	-1.3%
27.2%	1,085	1,083	-2	-0.2%
28.4%	1,083	1,076	-7	-0.7%
29.6%	1,076	998	-78	-7.2%
30.9%	1,003	974	-30	-3.0%
32.1%	974	969	-5	-0.5%
33.3%	970	950	-20	-2.1%
34.6%	950	947	-3	-0.3%
35.8%	949	943	-6	-0.7%
37.0%	947	925	-21	-2.2%
38.3%	931	919	-12	-1.3%
39.5%	919	916	-2	-0.3%
40.7%	916	904	-12	-1.3%
42.0%	904	893	-11	-1.2%
43.2%	893	893	0	0.0%
44.4%	893	881	-13	-1.4%
45.7%	880	878	-3	-0.3%
46.9%	878	856	-22	-2.5%
48.1%	861	855	-6	-0.7%
49.4%	856	853	-3	-0.4%
50.6%	855	852	-3	-0.3%
51.9%	853	847	-5	-0.6%
53.1%	852	819	-33	-3.9%
54.3%	847	819	-29	-3.4%
55.6%	819	817	-2	-0.2%
56.8%	817	817	0	0.0%
58.0%	816	802	-14	-1.7%
59.3%	802	786	-16	-2.0%
60.5%	791	777	-14	-1.7%
61.7%	777	766	-11	-1.4%
63.0%	766	765	-1	-0.2%
64.2%	764	751	-14	-1.8%
65.4%	750	733	-17	-2.3%
66.7%	734	700	-34	-4.6%
67.9%	724	700	-24	-3.3%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	300	570	270	90.1%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	6,177	6,177	0	0.0%
3.7%	4,356	4,356	0	0.0%
4.9%	2,373	2,364	-9	-0.4%
6.2%	2,265	2,256	-9	-0.4%
7.4%	2,102	2,093	-9	-0.4%
8.6%	1,825	1,817	-9	-0.5%
9.9%	1,711	1,702	-9	-0.5%
11.1%	1,424	1,415	-9	-0.6%
12.3%	1,389	1,380	-9	-0.6%
13.6%	1,282	1,275	-8	-0.6%
14.8%	1,275	1,274	-1	-0.1%
16.0%	1,176	1,176	0	0.0%
17.3%	1,168	1,169	0	0.0%
18.5%	1,163	1,163	0	0.0%
19.8%	1,133	1,087	-46	-4.1%
21.0%	1,064	1,065	0	0.0%
22.2%	1,044	1,036	-8	-0.8%
23.5%	990	990	0	0.0%
24.7%	984	982	-2	-0.2%
25.9%	982	976	-6	-0.6%
27.2%	967	967	0	0.0%
28.4%	959	960	0	0.0%
29.6%	943	942	0	0.0%
30.9%	916	916	1	0.1%
32.1%	905	904	-1	-0.1%
33.3%	890	890	0	0.0%
34.6%	885	888	3	0.3%
35.8%	885	885	1	0.1%
37.0%	855	885	29	3.4%
38.3%	835	851	16	1.9%
39.5%	815	835	20	2.4%
40.7%	804	815	11	1.3%
42.0%	793	811	17	2.2%
43.2%	770	799	30	3.9%
44.4%	764	793	29	3.8%
45.7%	754	770	15	2.0%
46.9%	752	764	12	1.6%
48.1%	714	756	42	5.9%
49.4%	711	750	39	5.5%
50.6%	710	714	4	0.6%
51.9%	703	711	8	1.1%
53.1%	700	711	11	1.5%
54.3%	700	701	1	0.2%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	678	700	22	3.2%
96.3%	599	700	101	16.9%
97.5%	360	700	340	94.3%
98.8%	300	629	329	109.5%
100.0%	300	300	0	0.0%

Table SW-38-9b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,357	6,317	-40	-0.6%
6.2%	6,257	6,256	-1	0.0%
7.4%	6,033	5,992	-40	-0.7%
8.6%	5,234	5,590	356	6.8%
9.9%	5,149	5,194	45	0.9%
11.1%	4,712	4,681	-31	-0.7%
12.3%	4,708	4,317	-391	-8.3%
13.6%	4,233	4,134	-99	-2.3%
14.8%	4,171	3,953	-219	-5.2%
16.0%	3,965	3,901	-64	-1.6%
17.3%	3,953	3,847	-106	-2.7%
18.5%	3,901	3,832	-69	-1.8%
19.8%	3,847	3,782	-64	-1.7%
21.0%	3,782	3,561	-221	-5.9%
22.2%	3,645	3,505	-140	-3.8%
23.5%	3,561	3,476	-85	-2.4%
24.7%	3,476	3,378	-98	-2.8%
25.9%	3,378	3,198	-179	-5.3%
27.2%	3,325	3,137	-187	-5.6%
28.4%	3,129	3,078	-51	-1.6%
29.6%	2,877	2,877	0	0.0%
30.9%	2,873	2,873	0	0.0%
32.1%	2,849	2,843	-6	-0.2%
33.3%	2,789	2,832	44	1.6%
34.6%	2,675	2,813	138	5.2%
35.8%	2,638	2,789	151	5.7%
37.0%	2,606	2,734	128	4.9%
38.3%	2,595	2,720	125	4.8%
39.5%	2,523	2,638	115	4.5%
40.7%	2,466	2,631	165	6.7%
42.0%	2,464	2,572	108	4.4%
43.2%	2,400	2,464	64	2.7%
44.4%	2,348	2,399	51	2.2%
45.7%	2,322	2,348	26	1.1%
46.9%	2,238	2,318	79	3.5%
48.1%	2,041	2,055	14	0.7%
49.4%	1,969	2,041	72	3.7%
50.6%	1,928	2,039	111	5.7%
51.9%	1,858	1,953	95	5.1%
53.1%	1,837	1,928	91	5.0%
54.3%	1,827	1,872	45	2.4%
55.6%	1,826	1,863	37	2.0%
56.8%	1,746	1,858	112	6.4%
58.0%	1,723	1,850	127	7.3%
59.3%	1,677	1,849	172	10.3%
60.5%	1,668	1,837	169	10.1%
61.7%	1,667	1,821	154	9.2%
63.0%	1,666	1,723	57	3.4%
64.2%	1,665	1,714	49	3.0%
65.4%	1,653	1,691	37	2.3%
66.7%	1,651	1,677	27	1.6%
67.9%	1,640	1,668	28	1.7%
69.1%	1,610	1,666	55	3.4%
70.4%	1,599	1,653	54	3.4%
71.6%	1,595	1,650	56	3.5%
72.8%	1,506	1,642	137	9.1%
74.1%	1,442	1,640	198	13.8%
75.3%	1,416	1,610	194	13.7%
76.5%	1,320	1,595	275	20.8%
77.8%	1,206	1,521	315	26.1%
79.0%	1,153	1,506	353	30.6%
80.2%	1,080	892	-188	-17.4%
81.5%	892	892	0	0.0%
82.7%	892	892	0	0.0%
84.0%	892	890	-2	-0.3%
85.2%	892	885	-7	-0.8%
86.4%	886	880	-6	-0.7%
87.7%	880	857	-23	-2.6%
88.9%	851	851	0	0.0%
90.1%	846	851	5	0.6%
91.4%	846	851	5	0.6%
92.6%	844	846	2	0.2%
93.8%	840	844	4	0.5%
95.1%	840	840	0	0.0%
96.3%	733	840	106	14.5%
97.5%	680	840	160	23.6%
98.8%	558	733	175	31.4%
100.0%	455	680	225	49.3%

July				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,115	-65	-0.9%
2.5%	7,115	7,092	-23	-0.3%
3.7%	7,092	7,092	0	0.0%
4.9%	7,077	7,077	0	0.0%
6.2%	7,073	7,055	-18	-0.3%
7.4%	7,030	7,026	-5	-0.1%
8.6%	7,005	7,012	8	0.1%
9.9%	7,005	7,005	0	0.0%
11.1%	7,005	7,005	0	0.0%
12.3%	7,005	7,005	0	0.0%
13.6%	7,005	7,005	0	0.0%
14.8%	7,005	7,005	0	0.0%
16.0%	7,005	7,005	0	0.0%
17.3%	7,005	7,005	0	0.0%
18.5%	7,005	7,005	0	0.0%
19.8%	7,005	7,005	0	0.0%
21.0%	7,005	7,005	0	0.0%
22.2%	7,005	7,005	0	0.0%
23.5%	7,005	7,005	0	0.0%
24.7%	7,005	7,005	0	0.0%
25.9%	7,005	7,005	0	0.0%
27.2%	7,005	7,005	0	0.0%
28.4%	7,005	7,005	0	0.0%
29.6%	7,005	7,005	0	0.0%
30.9%	7,005	7,005	0	0.0%
32.1%	7,005	7,005	0	0.0%
33.3%	7,005	7,005	0	0.0%
34.6%	7,005	7,005	0	0.0%
35.8%	7,005	7,005	0	0.0%
37.0%	7,005	7,005	0	0.0%
38.3%	7,005	7,005	0	0.0%
39.5%	7,005	7,005	0	0.0%
40.7%	7,002	7,005	3	0.0%
42.0%	6,994	6,970	-24	-0.3%
43.2%	6,983	6,969	-14	-0.2%
44.4%	6,976	6,929	-47	-0.7%
45.7%	6,972	6,929	-44	-0.6%
46.9%	6,970	6,929	-41	-0.6%
48.1%	6,929	6,915	-14	-0.2%
49.4%	6,929	6,915	-14	-0.2%
50.6%	6,929	6,915	-14	-0.2%
51.9%	6,929	6,915	-14	-0.2%
53.1%	6,915	6,915	0	0.0%
54.3%	6,915	6,915	0	0.0%
55.6%	6,915	6,907	-8	-0.1%
56.8%	6,915	6,905	-10	-0.1%
58.0%	6,915	6,901	-14	-0.2%
59.3%	6,852	6,872	20	0.3%
60.5%	6,843	6,849	6	0.1%
61.7%	6,841	6,843	2	0.0%
63.0%	6,829	6,829	0	0.0%
64.2%	6,781	6,809	28	0.4%
65.4%	6,764	6,804	39	0.6%
66.7%	6,763	6,727	-36	-0.5%
67.9%	6,736	6,681	-55	-0.8%
69.1%	6,731	6,680	-51	-0.8%
70.4%	6,713	6,680	-33	-0.5%
71.6%	6,690	6,680	-10	-0.1%
72.8%	6,680	6,643	-37	-0.5%
74.1%	6,680	6,615	-65	-1.0%
75.3%	6,680	6,581	-99	-1.5%
76.5%	6,643	6,487	-156	-2.4%
77.8%	6,614	6,480	-134	-2.0%
79.0%	6,602	6,370	-232	-3.5%
80.2%	6,485	6,341	-144	-2.2%
81.5%	6,456	6,028	-428	-6.6%
82.7%	6,410	5,989	-421	-6.6%
84.0%	6,406	5,890	-516	-8.1%
85.2%	6,278	5,862	-416	-6.6%
86.4%	6,226	5,783	-443	-7.1%
87.7%	6,104	5,726	-377	-6.2%
88.9%	5,987	5,677	-310	-5.2%
90.1%	5,954	5,645	-310	-5.2%
91.4%	5,906	5,609	-297	-5.0%
92.6%	5,651	5,389	-262	-4.6%
93.8%	5,118	5,118	0	0.0%
95.1%	4,589	5,055	466	10.2%
96.3%	4,035	4,822	788	19.5%
97.5%	3,026	4,044	1,018	33.6%
98.8%	635	2,840	2,205	347.5%
100.0%	459	2,671	2,211	481.3%

August				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,180	7,180	0	0.0%
1.2%	7,180	7,180	0	0.0%
2.5%	7,180	7,180	0	0.0%
3.7%	7,180	7,180	0	0.0%
4.9%	7,180	7,180	0	0.0%
6.2%	7,180	7,180	0	0.0%
7.4%	7,180	7,180	0	0.0%
8.6%	7,180	7,180	0	0.0%
9.9%	7,180	7,180	0	0.0%
11.1%	7,180	7,180	0	0.0%
12.3%	7,180	7,180	0	0.0%
13.6%	7,180	7,180	0	0.0%
14.8%	7,180	7,180	0	0.0%
16.0%	7,180	7,180	0	0.0%
17.3%	7,180	7,180	0	0.0%
18.5%	7,180	7,180	0	0.0%
19.8%	7,180	7,180	0	0.0%
21.0%	7,180	7,180	0	0.0%
22.2%	7,180	7,180	0	0.0%
23.5%	7,180	7,180	0	0.0%
24.7%	7,180	7,180	0	0.0%
25.9%	7,180	7,180	0	0.0%
27.2%	7,180	7,180	0	0.0%
28.4%	7,180	7,180	0	0.0%
29.6%	7,180	7,180	0	0.0%
30.9%	7,180	7,180	0	0.0%
32.1%	7,180	7,180	0	0.0%
33.3%	7,180	7,180	0	0.0%
34.6%	7,180	7,180	0	0.0%
35.8%	7,180	7,180	0	0.0%
37.0%	7,180	7,180	0	0.0%
38.3%	7,180	7,180	0	0.0%
39.5%	7,180	7,180	0	0.0%
40.7%	7,180	7,180	0	0.0%
42.0%	7,180	7,180	0	0.0%
43.2%	7,080	7,164	84	1.2%
44.4%	7,030	7,156	126	1.8%
45.7%	7,030	7,144	114	1.6%
46.9%	7,027	7,080	53	0.8%
48.1%	7,020	7,080	60	0.9%
49.4%	6,980	7,063	82	1.2%
50.6%	6,980	7,030	50	0.7%
51.9%	6,972	6,980	8	0.1%
53.1%	6,971	6,975	4	0.1%
54.3%	6,948	6,930	-18	-0.3%
55.6%	6,934	6,930	-4	-0.1%
56.8%	6,906	6,930	24	0.4%
58.0%	6,874	6,930	56	0.8%
59.3%	6,836	6,901	66	1.0%
60.5%	6,830	6,844	14	0.2%
61.7%	6,806	6,793	-13	-0.2%
63.0%	6,795	6,780	-15	-0.2%
64.2%	6,772	6,745	-27	-0.4%
65.4%	6,767	6,723	-45	-0.7%
66.7%	6,721	6,689	-32	-0.5%
67.9%	6,691	6,680	-11	-0.2%
69.1%	6,680	6,636	-44	-0.7%
70.4%	6,660	6,612	-48	-0.7%
71.6%	6,603	6,556	-47	-0.7%
72.8%	6,555	6,544	-10	-0.2%
74.1%	6,429	6,326	-103	-1.6%
75.3%	6,180	6,278	98	1.6%
76.5%	5,937	6,022	85	1.4%
77.8%	5,696	5,964	268	4.7%
79.0%	5,436	5,926	490	9.0%
80.2%	5,383	5,689	306	5.7%
81.5%	5,295	5,656	361	6.8%
82.7%	4,955	5,206	251	5.1%
84.0%	4,622	5,201	578	12.5%
85.2%	4,520	5,147	628	13.9%
86.4%	3,418	5,006	1,588	46.5%
87.7%	1,261	4,898	3,637	288.5%
88.9%	928	4,878	3,949	425.5%
90.1%	636	4,670	4,034	634.6%
91.4%	394	3,861	3,467	880.1%
92.6%	341	3,842	3,501	
93.8%	300	3,423	3,123	
95.1%	300	2,947	2,647	882.2%
96.3%	300	1,152	852	283.9%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Diversion (CFS)	Alternative D Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,659	6,680	21	0.3%
19.8%	6,635	6,680	45	0.7%
21.0%	6,624	6,680	56	0.8%
22.2%	6,619	6,680	61	0.9%
23.5%	6,613	6,680	67	1.0%
24.7%	6,391	6,680	289	4.5%
25.9%	6,388	6,680	292	4.6%
27.2%	6,372	6,680	308	4.8%
28.4%	6,172	6,680	508	8.2%
29.6%	6,138	6,680	542	8.8%
30.9%	6,075	6,680	605	10.0%
32.1%	5,965	6,624	659	11.0%
33.3%	5,803	6,588	786	13.5%
34.6%	5,732	6,586	854	14.9%
35.8%	5,723	6,571	848	14.8%
37.0%	5,680	6,521	841	14.8%
38.3%	5,451	6,439	988	18.1%
39.5%	5,426	6,034	608	11.2%
40.7%	5,422	5,952	531	9.8%
42.0%	5,347	5,941	594	11.1%
43.2%	5,268	5,911	643	12.2%
44.4%	5,158	5,876	718	13.9%
45.7%	5,009	5,817	808	16.1%
46.9%	4,939	5,783	844	17.1%
48.1%	4,840	5,744	904	18.7%
49.4%	4,801	5,699	898	18.7%
50.6%	4,800	5,638	837	17.4%
51.9%	4,792	5,600	808	16.9%
53.1%	4,773	5,535	762	16.0%
54.3%	4,750	5,471	722	15.2%
55.6%	4,717	5,453	736	15.6%
56.8%	4,633	5,430	797	17.2%
58.0%	4,613	5,404	791	17.1%
59.3%	4,597	5,325	728	15.8%
60.5%	4,531	5,283	751	16.6%
61.7%	4,524	5,257	733	16.2%
63.0%	4,502	5,242	740	16.4%
64.2%	4,500	5,183	682	15.2%
65.4%	4,443	5,086	643	14.5%
66.7%	4,410	5,018	608	13.8%
67.9%	4,383	4,858	475	10.8%
69.1%	4,340	4,802	461	10.6%
70.4%	4,330	4,773	443	10.2%
71.6%	4,298	4,700	402	9.4%
72.8%	4,184	4,686	501	12.0%
74.1%	4,151	4,637	486	11.7%
75.3%	4,145	4,621	476	11.5%
76.5%	4,091	4,614	523	12.8%
77.8%	3,972	4,531	559	14.1%
79.0%	3,740	4,529	789	21.1%
80.2%	3,595	4,523	928	25.8%
81.5%	3,591	4,463	871	24.3%
82.7%	3,550	4,445	896	25.2%
84.0%	3,241	4,402	1,161	35.8%
85.2%	2,986	4,298	1,312	44.0%
86.4%	2,649	4,170	1,521	57.4%
87.7%	2,499	4,060	1,561	62.5%
88.9%	2,129	3,740	1,611	75.6%
90.1%	2,093	3,626	1,533	73.2%
91.4%	1,877	2,188	311	16.6%
92.6%	1,877	1,895	18	0.9%
93.8%	1,862	1,891	29	1.6%
95.1%	1,763	1,623	-140	-7.9%
96.3%	1,613	1,600	-13	-0.8%
97.5%	1,600	1,521	-79	-4.9%
98.8%	1,375	1,503	128	9.3%
100.0%	943	951	8	0.9%

Table SW-41-9a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	653	784	1,113	1,328	1,477	1,572	1,332	992	668	583	513	584
Alternative D	690	860	1,182	1,390	1,528	1,597	1,349	997	653	558	494	593
Difference	37	76	69	62	52	25	18	5	-15	-25	-19	10
Percent Difference[3]	5.7%	9.7%	6.2%	4.7%	3.5%	1.6%	1.3%	0.5%	-2.2%	-4.3%	-3.7%	1.7%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	766	797	1,124	1,407	1,600	1,772	1,510	1,168	893	743	661	741
Alternative D	879	937	1,275	1,481	1,650	1,797	1,534	1,186	900	743	642	768
Difference	113	140	151	74	50	26	25	18	7	0	-19	26
Percent Difference	14.8%	17.5%	13.4%	5.3%	3.1%	1.5%	1.6%	1.5%	0.8%	0.0%	-2.9%	3.6%
Above Normal (15%)												
No Action Alternative	616	701	1,052	1,265	1,400	1,544	1,265	874	587	463	433	528
Alternative D	721	899	1,239	1,350	1,468	1,595	1,316	920	601	492	448	591
Difference	105	198	187	85	68	51	51	46	14	28	15	63
Percent Difference	17.1%	28.3%	17.8%	6.7%	4.8%	3.3%	4.0%	5.2%	2.3%	6.1%	3.4%	12.0%
Below Normal (17%)												
No Action Alternative	651	932	1,265	1,329	1,459	1,541	1,278	894	519	464	417	517
Alternative D	697	1,002	1,343	1,401	1,526	1,590	1,318	929	535	486	435	544
Difference	46	70	78	72	67	49	40	34	16	22	18	27
Percent Difference	7.1%	7.5%	6.1%	5.4%	4.6%	3.2%	3.2%	3.8%	3.1%	4.7%	4.4%	5.2%
Dry (22%)												
No Action Alternative	587	792	1,088	1,358	1,487	1,508	1,269	916	507	492	455	511
Alternative D	507	754	1,043	1,400	1,516	1,496	1,245	868	430	380	369	452
Difference	-80	-38	-45	42	29	-11	-24	-48	-77	-112	-86	-59
Percent Difference	-13.6%	-4.8%	-4.2%	3.1%	1.9%	-0.7%	-1.9%	-5.2%	-15.2%	-22.8%	-18.9%	-11.5%
Critical (15%)												
No Action Alternative	548	654	1,010	1,177	1,291	1,300	1,169	959	673	631	472	484
Alternative D	518	646	942	1,208	1,345	1,325	1,173	937	639	574	476	488
Difference	-30	-9	-68	31	54	25	4	-22	-34	-57	4	5
Percent Difference	-5.4%	-1.3%	-6.7%	2.6%	4.2%	1.9%	0.3%	-2.3%	-5.1%	-9.0%	0.7%	1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

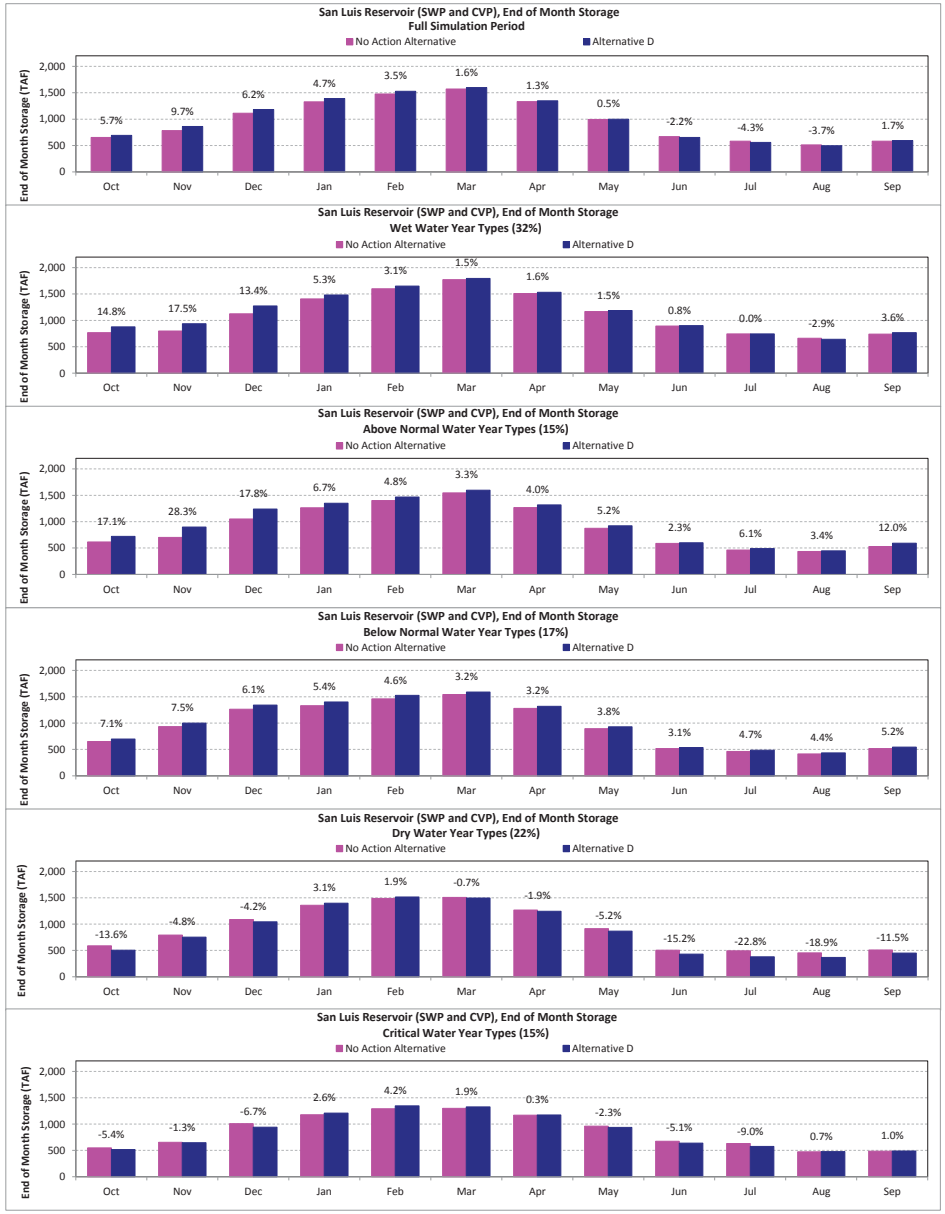

Figure SW-41-9b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

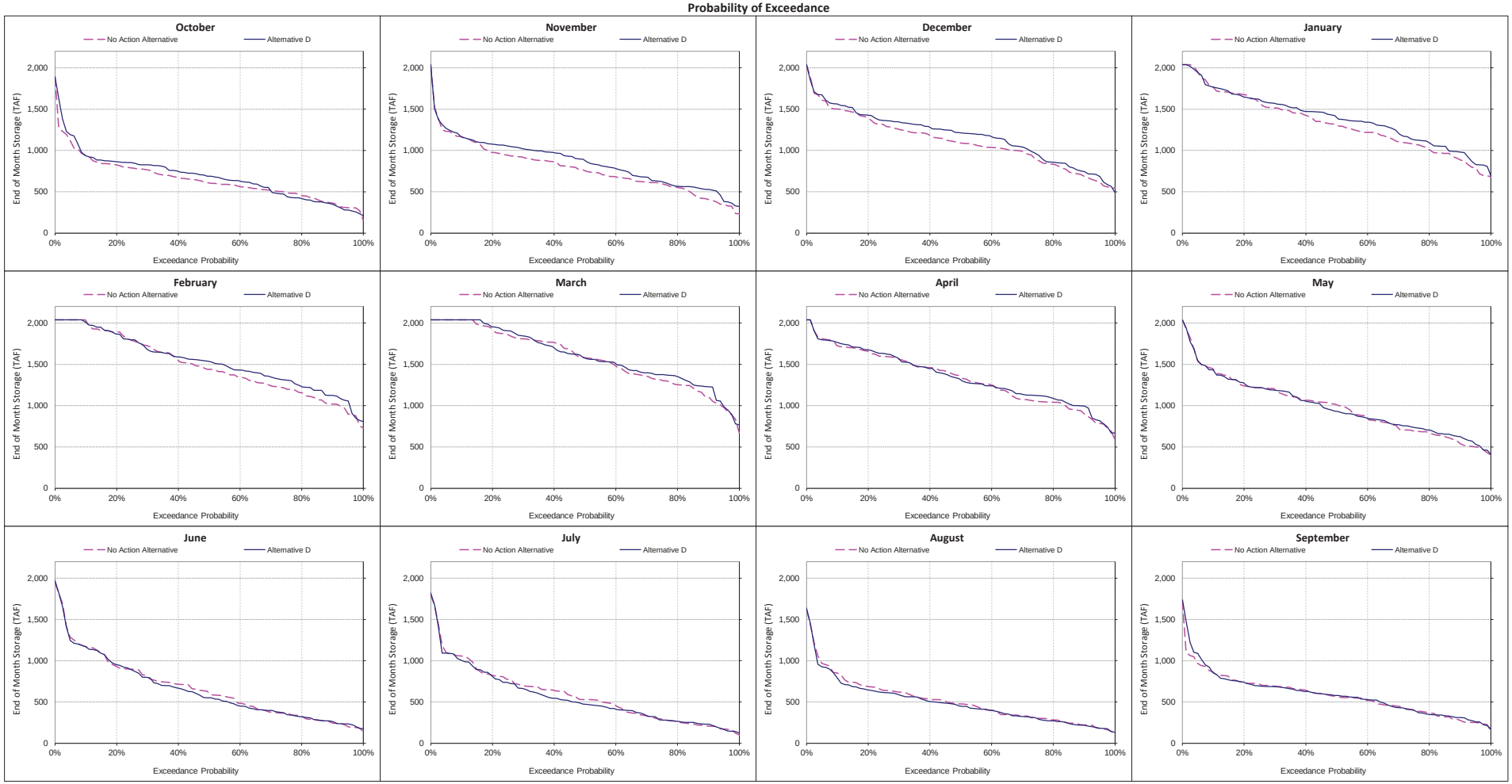

Table SW-41-9b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,884	1,894	9	0.5%
1.2%	1,270	1,628	358	28.1%
2.5%	1,232	1,378	146	11.8%
3.7%	1,195	1,232	37	3.1%
4.9%	1,121	1,191	70	6.3%
6.2%	1,029	1,176	147	14.3%
7.4%	1,021	1,080	60	5.9%
8.6%	963	976	13	1.3%
9.9%	942	936	-6	-0.6%
11.1%	923	922	-1	-0.1%
12.3%	876	915	39	4.4%
13.6%	859	886	27	3.2%
14.8%	843	885	42	5.0%
16.0%	842	876	35	4.1%
17.3%	837	874	37	4.4%
18.5%	834	869	36	4.3%
19.8%	826	862	37	4.5%
21.0%	816	860	44	5.4%
22.2%	798	858	59	7.5%
23.5%	795	855	59	7.5%
24.7%	788	855	66	8.4%
25.9%	784	844	60	7.7%
27.2%	775	830	55	7.2%
28.4%	774	828	54	6.9%
29.6%	769	827	58	7.6%
30.9%	758	825	67	8.9%
32.1%	733	817	84	11.5%
33.3%	715	816	101	14.1%
34.6%	707	811	104	14.6%
35.8%	700	798	98	13.9%
37.0%	699	758	59	8.5%
38.3%	684	757	73	10.7%
39.5%	676	753	77	11.3%
40.7%	664	737	73	11.0%
42.0%	661	734	73	11.1%
43.2%	654	726	72	11.0%
44.4%	651	724	73	11.1%
45.7%	646	720	74	11.4%
46.9%	636	708	72	11.3%
48.1%	623	704	81	13.1%
49.4%	612	689	77	12.6%
50.6%	603	687	84	14.0%
51.9%	602	680	78	13.0%
53.1%	591	673	82	13.9%
54.3%	589	658	69	11.7%
55.6%	589	645	56	9.6%
56.8%	586	638	52	8.9%
58.0%	584	637	53	9.1%
59.3%	567	635	68	11.9%
60.5%	559	623	64	11.5%
61.7%	555	616	61	10.9%
63.0%	550	614	64	11.6%
64.2%	540	595	55	10.1%
65.4%	536	594	57	10.7%
66.7%	528	570	42	7.9%
67.9%	526	552	26	5.0%
69.1%	523	552	29	5.6%
70.4%	513	490	-23	-4.5%
71.6%	506	484	-23	-4.5%
72.8%	504	477	-27	-5.4%
74.1%	502	472	-30	-5.9%
75.3%	485	439	-46	-9.5%
76.5%	484	431	-53	-10.9%
77.8%	481	427	-55	-11.3%
79.0%	469	427	-42	-8.9%
80.2%	451	414	-37	-8.2%
81.5%	448	403	-45	-10.0%
82.7%	429	400	-29	-6.8%
84.0%	423	381	-42	-9.8%
85.2%	403	379	-24	-6.0%
86.4%	385	377	-8	-2.1%
87.7%	382	366	-16	-4.3%
88.9%	370	361	-9	-2.5%
90.1%	363	347	-16	-4.3%
91.4%	344	324	-20	-5.7%
92.6%	318	305	-13	-4.0%
93.8%	311	280	-30	-9.8%
95.1%	307	280	-28	-9.0%
96.3%	306	268	-38	-12.3%
97.5%	305	256	-49	-16.0%
98.8%	271	234	-37	-13.6%
100.0%	151	208	57	38.1%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,525	1,506	-19	-1.2%
2.5%	1,391	1,375	-15	-1.1%
3.7%	1,250	1,314	64	5.1%
4.9%	1,232	1,267	35	2.8%
6.2%	1,230	1,245	14	1.2%
7.4%	1,192	1,221	29	2.4%
8.6%	1,171	1,209	38	3.2%
9.9%	1,170	1,165	-5	-0.4%
11.1%	1,145	1,152	6	0.5%
12.3%	1,141	1,136	-5	-0.4%
13.6%	1,108	1,127	19	1.7%
14.8%	1,096	1,105	9	0.8%
16.0%	1,073	1,098	24	2.3%
17.3%	1,017	1,097	81	7.9%
18.5%	1,003	1,080	78	7.7%
19.8%	975	1,077	102	10.5%
21.0%	973	1,073	100	10.3%
22.2%	963	1,066	103	10.7%
23.5%	949	1,066	117	12.3%
24.7%	947	1,056	109	11.5%
25.9%	935	1,049	114	12.2%
27.2%	931	1,041	110	11.8%
28.4%	925	1,036	111	12.0%
29.6%	921	1,024	103	11.2%
30.9%	905	1,013	108	11.9%
32.1%	903	1,009	106	11.7%
33.3%	888	1,003	115	12.9%
34.6%	880	995	115	13.1%
35.8%	879	995	115	13.1%
37.0%	877	983	106	12.0%
38.3%	869	978	110	12.6%
39.5%	865	977	112	13.0%
40.7%	859	967	108	12.5%
42.0%	815	966	151	18.5%
43.2%	814	936	122	15.0%
44.4%	804	932	128	15.9%
45.7%	802	928	126	15.7%
46.9%	796	904	108	13.5%
48.1%	768	898	130	16.9%
49.4%	765	893	128	16.7%
50.6%	748	859	111	14.9%
51.9%	737	841	104	14.1%
53.1%	732	834	101	13.8%
54.3%	732	827	95	13.0%
55.6%	707	810	103	14.5%
56.8%	704	804	100	14.2%
58.0%	686	795	109	15.9%
59.3%	684	790	106	15.5%
60.5%	675	775	100	14.9%
61.7%	671	763	92	13.7%
63.0%	663	752	89	13.4%
64.2%	660	738	78	11.8%
65.4%	645	698	54	8.3%
66.7%	625	690	65	10.4%
67.9%	624	681	57	9.1%
69.1%	619	679	60	9.7%
70.4%	614	675	62	10.0%
71.6%	611	637	26	4.2%
72.8%	610	632	22	3.5%
74.1%	607	628	20	3.3%
75.3%	594	619	26	4.3%
76.5%	582	601	19	3.3%
77.8%	562	584	22	3.9%
79.0%	561	574	12	2.2%
80.2%	549	565	17	3.0%
81.5%	542	562	20	3.7%
82.7%	526	562	36	6.9%
84.0%	501	562	61	12.2%
85.2%	468	556	88	18.8%
86.4%	434	550	116	26.7%
87.7%	419	539	120	28.5%
88.9%	418	529	112	26.8%
90.1%	405	528	123	30.4%
91.4%	392	520	129	32.9%
92.6%	379	509	130	34.5%
93.8%	351	462	111	31.5%
95.1%	347	381	34	9.9%
96.3%	328	379	51	15.5%
97.5%	327	363	36	11.2%
98.8%	237	327	91	38.4%
100.0%	233	322	89	38.3%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,889	1,853	-36	-1.9%
2.5%	1,692	1,711	19	1.1%
3.7%	1,673	1,678	5	0.3%
4.9%	1,611	1,675	64	4.0%
6.2%	1,599	1,609	10	0.7%
7.4%	1,518	1,576	58	3.8%
8.6%	1,505	1,566	61	4.1%
9.9%	1,502	1,565	63	4.2%
11.1%	1,498	1,545	47	3.1%
12.3%	1,483	1,541	57	3.9%
13.6%	1,476	1,524	48	3.3%
14.8%	1,465	1,519	55	3.7%
16.0%	1,463	1,455	-8	-0.6%
17.3%	1,422	1,436	14	1.0%
18.5%	1,412	1,433	20	1.4%
19.8%	1,400	1,427	27	1.9%
21.0%	1,363	1,422	59	4.3%
22.2%	1,328	1,393	65	4.9%
23.5%	1,319	1,370	51	3.9%
24.7%	1,317	1,364	47	3.6%
25.9%	1,291	1,359	69	5.3%
27.2%	1,283	1,358	75	5.8%
28.4%	1,271	1,350	78	6.2%
29.6%	1,260	1,349	89	7.1%
30.9%	1,246	1,337	91	7.3%
32.1%	1,244	1,330	86	6.9%
33.3%	1,226	1,326	100	8.1%
34.6%	1,216	1,316	101	8.3%
35.8%	1,214	1,312	98	8.1%
37.0%	1,212	1,312	100	8.2%
38.3%	1,209	1,292	83	6.9%
39.5%	1,193	1,290	97	8.2%
40.7%	1,161	1,263	103	8.8%
42.0%	1,154	1,261	107	9.3%
43.2%	1,150	1,258	108	9.4%
44.4%	1,144	1,249	105	9.2%
45.7%	1,122	1,247	126	11.2%
46.9%	1,115	1,245	130	11.7%
48.1%	1,106	1,220	114	10.3%
49.4%	1,093	1,216	123	11.3%
50.6%	1,087	1,209	122	11.2%
51.9%	1,085	1,209	124	11.4%
53.1%	1,083	1,203	120	11.1%
54.3%	1,072	1,202	130	12.1%
55.6%	1,059	1,196	138	13.0%
56.8%	1,049	1,194	145	13.8%
58.0%	1,039	1,182	143	13.7%
59.3%	1,038	1,179	141	13.6%
60.5%	1,035	1,158	123	11.9%
61.7%	1,033	1,148	116	11.2%
63.0%	1,027	1,146	119	11.6%
64.2%	1,019	1,133	114	11.2%
65.4%	1,007	1,082	75	7.5%
66.7%	1,002	1,056	54	5.4%
67.9%	1,000	1,053	52	5.2%
69.1%	994	1,048	54	5.4%
70.4%	987	1,038	51	5.2%
71.6%	957	1,018	61	6.4%
72.8%	947	988	41	4.3%
74.1%	897	969	72	8.0%
75.3%	874	940	65	7.5%
76.5%	849	895	46	5.4%
77.8%	840	863	23	2.8%
79.0%	837	860	24	2.9%
80.2%	832	856	24	2.9%
81.5%	815	852	37	4.5%
82.7%	787	849	61	7.8%
84.0%	773	845	72	9.3%
85.2%	737	800	64	8.6%
86.4%	724	788	64	8.8%
87.7%	719	765	46	6.4%
88.9%	710	751	42	5.9%
90.1%	684	744	60	8.7%
91.4%	666	717	51	7.7%
92.6%	649	714	65	10.0%
93.8%	633	708	75	11.9%
95.1%	618	684	66	10.7%
96.3%	570	619	49	8.6%
97.5%	559	587	27	4.8%
98.8%	546	567	21	3.8%
100.0%	545	492	-53	-9.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,017	-22	-1.1%
3.7%	2,019	1,983	-36	-1.8%
4.9%	1,958	1,945	-12	-0.6%
6.2%	1,875	1,911	35	1.9%
7.4%	1,857	1,796	-61	-3.3%
8.6%	1,792	1,781	-12	-0.6%
9.9%	1,772	1,765	-7	-0.4%
11.1%	1,721	1,758	37	2.2%
12.3%	1,712	1,747	35	2.1%
13.6%	1,712	1,736	24	1.4%
14.8%	1,708	1,721	13	0.8%
16.0%	1,695	1,684	-11	-0.6%
17.3%	1,690	1,680	-10	-0.6%
18.5%	1,686	1,672	-15	-0.9%
19.8%	1,676	1,648	-28	-1.7%
21.0%	1,671	1,642	-29	-1.8%
22.2%	1,629	1,630	1	0.1%
23.5%	1,626	1,625	0	0.0%
24.7%	1,591	1,622	30	1.9%
25.9%	1,545	1,594	49	3.2%
27.2%	1,523	1,583	60	3.9%
28.4%	1,521	1,574	53	3.5%
29.6%	1,514	1,572	58	3.8%
30.9%	1,514	1,560	46	3.1%
32.1%	1,492	1,556	64	4.3%
33.3%	1,491	1,549	59	3.9%
34.6%	1,484	1,527	43	2.9%
35.8%	1,457	1,518	61	4.2%
37.0%	1,452	1,517	65	4.5%
38.3%	1,452	1,487	35	2.4%
39.5%	1,430	1,476	45	3.2%
40.7%	1,416	1,472	56	4.0%
42.0%	1,391	1,471	80	5.7%
43.2%	1,352	1,468	116	8.5%
44.4%	1,350	1,466	117	8.6%
45.7%	1,339	1,461	122	9.1%
46.9%	1,330	1,439	109	8.2%
48.1%	1,320	1,431	111	8.4%
49.4%	1,320	1,422	103	7.8%
50.6%	1,295	1,380	85	6.6%
51.9%	1,293	1,376	83	6.4%
53.1%	1,275	1,369	94	7.3%
54.3%	1,264	1,359	95	7.6%
55.6%	1,250	1,357	108	8.6%
56.8%	1,239	1,354	115	9.3%
58.0%	1,224	1,354	130	10.6%
59.3%	1,218	1,344	125	10.3%
60.5%	1,218	1,341	123	10.1%
61.7%	1,218	1,333	115	9.4%
63.0%	1,212	1,309	97	8.0%
64.2%	1,184	1,302	118	9.9%
65.4%	1,177	1,299	121	10.3%
66.7%	1,155	1,285	130	11.3%
67.9%	1,144	1,269	125	10.9%
69.1%	1,113	1,246	132	11.9%
70.4%	1,104	1,198	94	8.5%
71.6%	1,095	1,174	79	7.2%
72.8%	1,091	1,167	76	7.0%
74.1%	1,085	1,139	54	5.0%
75.3%	1,070	1,126	56	5.2%
76.5%	1,070	1,125	55	5.1%
77.8%	1,051	1,120	68	6.5%
79.0%	1,039	1,116	77	7.4%
80.2%	1,005	1,087	81	8.1%
81.5%	975	1,056	81	8.3%
82.7%	971	1,052	81	8.4%
84.0%	969	1,052	83	8.6%
85.2%	963	1,051	88	9.1%
86.4%	963	992	28	3.0%
87.7%	926	990	64	6.9%
88.9%	908	987	79	8.7%
90.1%	885	979	94	10.6%
91.4%	872	974	102	11.7%
92.6%	828	919	91	11.0%
93.8%	796	865	68	8.6%
95.1%	791	829	38	4.7%
96.3%	717	826	108	15.1%
97.5%	698	824	126	18.0%
98.8%	693	809	115	16.7%
100.0%	682	691	10	1.4%

Table SW-41-9b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,038	-1	-0.1%
9.9%	2,039	2,012	-27	-1.3%
11.1%	1,958	1,976	18	0.9%
12.3%	1,928	1,973	45	2.3%
13.6%	1,927	1,952	24	1.3%
14.8%	1,913	1,950	37	2.0%
16.0%	1,912	1,913	1	0.1%
17.3%	1,907	1,906	-1	0.0%
18.5%	1,895	1,893	-2	-0.1%
19.8%	1,891	1,866	-25	-1.3%
21.0%	1,891	1,863	-27	-1.4%
22.2%	1,842	1,809	-33	-1.8%
23.5%	1,811	1,805	-5	-0.3%
24.7%	1,792	1,797	6	0.3%
25.9%	1,777	1,797	20	1.1%
27.2%	1,764	1,760	-4	-0.2%
28.4%	1,735	1,743	8	0.4%
29.6%	1,729	1,694	-36	-2.1%
30.9%	1,714	1,662	-52	-3.1%
32.1%	1,678	1,648	-30	-1.8%
33.3%	1,654	1,648	-5	-0.3%
34.6%	1,645	1,643	-2	-0.1%
35.8%	1,645	1,633	-12	-0.7%
37.0%	1,636	1,630	-6	-0.4%
38.3%	1,605	1,602	-4	-0.2%
39.5%	1,559	1,591	32	2.0%
40.7%	1,525	1,587	62	4.0%
42.0%	1,519	1,580	61	4.0%
43.2%	1,518	1,565	47	3.1%
44.4%	1,508	1,559	50	3.3%
45.7%	1,484	1,557	74	5.0%
46.9%	1,476	1,550	74	5.0%
48.1%	1,459	1,545	87	5.9%
49.4%	1,440	1,539	99	6.8%
50.6%	1,439	1,529	90	6.3%
51.9%	1,430	1,511	81	5.7%
53.1%	1,413	1,505	92	6.5%
54.3%	1,413	1,503	90	6.4%
55.6%	1,392	1,480	88	6.3%
56.8%	1,372	1,456	84	6.1%
58.0%	1,372	1,433	62	4.5%
59.3%	1,349	1,432	83	6.1%
60.5%	1,341	1,431	90	6.7%
61.7%	1,332	1,420	88	6.6%
63.0%	1,305	1,415	110	8.4%
64.2%	1,304	1,404	100	7.7%
65.4%	1,280	1,396	116	9.1%
66.7%	1,273	1,391	118	9.3%
67.9%	1,272	1,361	89	7.0%
69.1%	1,252	1,358	106	8.4%
70.4%	1,235	1,342	107	8.7%
71.6%	1,230	1,329	99	8.0%
72.8%	1,224	1,319	95	7.7%
74.1%	1,215	1,315	100	8.2%
75.3%	1,196	1,308	112	9.3%
76.5%	1,196	1,301	105	8.8%
77.8%	1,188	1,267	79	6.6%
79.0%	1,159	1,249	89	7.7%
80.2%	1,154	1,226	71	6.2%
81.5%	1,119	1,222	103	9.2%
82.7%	1,111	1,218	107	9.6%
84.0%	1,098	1,187	88	8.0%
85.2%	1,070	1,186	116	10.8%
86.4%	1,069	1,186	117	10.9%
87.7%	1,033	1,129	96	9.3%
88.9%	1,019	1,125	106	10.4%
90.1%	1,019	1,124	106	10.4%
91.4%	1,018	1,114	97	9.5%
92.6%	994	1,085	91	9.2%
93.8%	971	1,067	95	9.8%
95.1%	898	1,058	160	17.8%
96.3%	896	907	11	1.2%
97.5%	876	848	-27	-3.1%
98.8%	755	820	65	8.6%
100.0%	728	809	81	11.1%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	1,987	2,039	52	2.6%
16.0%	1,978	2,038	60	3.0%
17.3%	1,964	1,996	32	1.6%
18.5%	1,961	1,987	26	1.3%
19.8%	1,936	1,957	21	1.1%
21.0%	1,886	1,952	66	3.5%
22.2%	1,875	1,942	67	3.6%
23.5%	1,873	1,913	40	2.1%
24.7%	1,867	1,907	40	2.1%
25.9%	1,842	1,903	61	3.3%
27.2%	1,825	1,879	53	2.9%
28.4%	1,815	1,852	37	2.1%
29.6%	1,808	1,846	39	2.1%
30.9%	1,807	1,840	32	1.8%
32.1%	1,795	1,828	34	1.9%
33.3%	1,790	1,795	5	0.3%
34.6%	1,787	1,766	-21	-1.2%
35.8%	1,781	1,753	-29	-1.6%
37.0%	1,773	1,735	-38	-2.1%
38.3%	1,768	1,727	-41	-2.3%
39.5%	1,768	1,714	-54	-3.1%
40.7%	1,757	1,674	-83	-4.7%
42.0%	1,747	1,653	-93	-5.3%
43.2%	1,695	1,648	-46	-2.7%
44.4%	1,689	1,631	-59	-3.5%
45.7%	1,667	1,625	-43	-2.6%
46.9%	1,616	1,623	7	0.5%
48.1%	1,590	1,617	27	1.7%
49.4%	1,583	1,585	3	0.2%
50.6%	1,579	1,567	-12	-0.7%
51.9%	1,572	1,562	-11	-0.7%
53.1%	1,568	1,559	-9	-0.6%
54.3%	1,558	1,539	-18	-1.2%
55.6%	1,547	1,532	-15	-1.0%
56.8%	1,542	1,531	-10	-0.7%
58.0%	1,525	1,528	3	0.2%
59.3%	1,500	1,526	26	1.7%
60.5%	1,465	1,493	28	1.9%
61.7%	1,450	1,489	39	2.7%
63.0%	1,416	1,465	49	3.5%
64.2%	1,388	1,435	46	3.3%
65.4%	1,387	1,425	39	2.8%
66.7%	1,378	1,424	46	3.3%
67.9%	1,373	1,407	34	2.5%
69.1%	1,356	1,399	43	3.2%
70.4%	1,353	1,398	44	3.3%
71.6%	1,331	1,391	61	4.6%
72.8%	1,321	1,376	56	4.2%
74.1%	1,318	1,376	59	4.4%
75.3%	1,300	1,376	75	5.8%
76.5%	1,300	1,368	69	5.3%
77.8%	1,284	1,367	83	6.4%
79.0%	1,259	1,363	104	8.3%
80.2%	1,252	1,348	96	7.7%
81.5%	1,249	1,327	78	6.2%
82.7%	1,245	1,304	59	4.8%
84.0%	1,244	1,288	43	3.5%
85.2%	1,208	1,251	42	3.5%
86.4%	1,177	1,239	63	5.3%
87.7%	1,165	1,237	72	6.2%
88.9%	1,110	1,232	122	11.0%
90.1%	1,105	1,228	123	11.1%
91.4%	1,055	1,225	170	16.2%
92.6%	1,030	1,063	33	3.2%
93.8%	1,010	1,056	46	4.5%
95.1%	975	987	11	1.2%
96.3%	924	947	23	2.5%
97.5%	890	897	7	0.8%
98.8%	836	781	-55	-6.6%
100.0%	668	767	99	14.8%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	1,906	1,908	2	0.1%
3.7%	1,829	1,808	-22	-1.2%
4.9%	1,813	1,796	-17	-0.9%
6.2%	1,804	1,794	-9	-0.5%
7.4%	1,798	1,788	-10	-0.5%
8.6%	1,787	1,783	-4	-0.2%
9.9%	1,727	1,767	39	2.3%
11.1%	1,715	1,750	35	2.0%
12.3%	1,713	1,742	30	1.7%
13.6%	1,705	1,735	30	1.8%
14.8%	1,700	1,712	12	0.7%
16.0%	1,695	1,707	12	0.7%
17.3%	1,682	1,704	22	1.3%
18.5%	1,668	1,679	11	0.7%
19.8%	1,661	1,677	17	1.0%
21.0%	1,626	1,667	41	2.5%
22.2%	1,623	1,650	27	1.6%
23.5%	1,601	1,635	34	2.1%
24.7%	1,597	1,635	37	2.3%
25.9%	1,593	1,626	33	2.1%
27.2%	1,590	1,618	28	1.8%
28.4%	1,584	1,597	13	0.8%
29.6%	1,567	1,575	8	0.5%
30.9%	1,554	1,530	-24	-1.5%
32.1%	1,537	1,526	-12	-0.8%
33.3%	1,529	1,520	-9	-0.6%
34.6%	1,494	1,491	-3	-0.2%
35.8%	1,470	1,477	7	0.5%
37.0%	1,469	1,470	1	0.0%
38.3%	1,464	1,467	3	0.2%
39.5%	1,463	1,451	-12	-0.8%
40.7%	1,459	1,450	-9	-0.6%
42.0%	1,450	1,407	-43	-3.0%
43.2%	1,427	1,396	-31	-2.2%
44.4%	1,424	1,389	-36	-2.5%
45.7%	1,410	1,373	-37	-2.6%
46.9%	1,390	1,352	-38	-2.7%
48.1%	1,371	1,338	-33	-2.4%
49.4%	1,366	1,327	-40	-2.9%
50.6%	1,330	1,296	-33	-2.5%
51.9%	1,320	1,281	-39	-3.0%
53.1%	1,294	1,271	-23	-1.8%
54.3%	1,287	1,268	-19	-1.5%
55.6%	1,273	1,264	-9	-0.7%
56.8%	1,266	1,263	-3	-0.2%
58.0%	1,259	1,241	-19	-1.5%
59.3%	1,258	1,239	-19	-1.5%
60.5%	1,243	1,239	-4	-0.4%
61.7%	1,201	1,215	13	1.1%
63.0%	1,188	1,210	22	1.9%
64.2%	1,185	1,206	21	1.8%
65.4%	1,157	1,194	37	3.2%
66.7%	1,117	1,180	63	5.7%
67.9%	1,090	1,147	57	5.3%
69.1%	1,079	1,145	66	6.1%
70.4%	1,076	1,134	58	5.4%
71.6%	1,072	1,127	55	5.1%
72.8%	1,062	1,127	65	6.1%
74.1%	1,057	1,125	67	6.4%
75.3%	1,050	1,122	72	6.8%
76.5%	1,047	1,118	71	6.8%
77.8%	1,045	1,112	67	6.4%
79.0%	1,044	1,098	54	5.2%
80.2%	1,042	1,086	44	4.3%
81.5%	1,041	1,070	29	2.8%
82.7%	1,029	1,066	36	3.5%
84.0%	997	1,042	46	4.6%
85.2%	957	1,020	63	6.6%
86.4%	955	1,002	47	4.9%
87.7%	946	1,001	56	5.9%
88.9%	938	998	60	6.4%
90.1%	896	994	99	11.0%
91.4%	865	972	107	12.4%
92.6%	833	848	16	1.9%
93.8%	787	830	43	5.5%
95.1%	786	817	31	4.0%
96.3%	776	780	3	0.4%
97.5%	725	745	19	2.7%
98.8%	691	670	-20	-3.0%
100.0%	588	670	82	14.0%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,037	-2	-0.1%
1.2%	1,931	1,937	6	0.3%
2.5%	1,832	1,776	-56	-3.0%
3.7%	1,692	1,691	-1	-0.1%
4.9%	1,550	1,538	-12	-0.8%
6.2%	1,495	1,499	4	0.3%
7.4%	1,484	1,484	-1	0.0%
8.6%	1,463	1,436	-27	-1.9%
9.9%	1,449	1,435	-15	-1.0%
11.1%	1,388	1,370	-18	-1.3%
12.3%	1,384	1,369	-14	-1.0%
13.6%	1,369	1,351	-18	-1.3%
14.8%	1,367	1,321	-46	-3.4%
16.0%	1,318	1,317	-2	-0.1%
17.3%	1,315	1,314	-1	0.0%
18.5%	1,262	1,285	24	1.9%
19.8%	1,241	1,278	38	3.0%
21.0%	1,233	1,238	5	0.4%
22.2%	1,226	1,224	-2	-0.2%
23.5%	1,223	1,220	-3	-0.3%
24.7%	1,217	1,220	3	0.2%
25.9%	1,217	1,217	0	0.0%
27.2%	1,213	1,200	-13	-1.1%
28.4%	1,206	1,193	-14	-1.1%
29.6%	1,206	1,189	-17	-1.4%
30.9%	1,165	1,184	19	1.6%
32.1%	1,145	1,179	35	3.0%
33.3%	1,127	1,173	46	4.1%
34.6%	1,120	1,164	44	4.0%
35.8%	1,107	1,119	12	1.1%
37.0%	1,103	1,103	-1	-0.1%
38.3%	1,079	1,065	-15	-1.4%
39.5%	1,066	1,060	-6	-0.5%
40.7%	1,064	1,047	-17	-1.6%
42.0%	1,061	1,041	-20	-1.9%
43.2%	1,048	1,033	-15	-1.4%
44.4%	1,044	1,027	-16	-1.6%
45.7%	1,041	976	-65	-6.2%
46.9%	1,037	962	-75	-7.3%
48.1%	1,022	949	-72	-7.1%
49.4%	1,019	932	-87	-8.5%
50.6%	1,001	928	-73	-7.3%
51.9%	995	913	-82	-8.2%
53.1%	977	904	-72	-7.4%
54.3%	950	904	-47	-4.9%
55.6%	892	894	2	0.2%
56.8%	891	873	-18	-2.0%
58.0%	881	865	-17	-1.9%
59.3%	880	856	-24	-2.8%
60.5%	825	841	17	2.0%
61.7%	821	837	16	1.9%
63.0%	813	832	19	2.3%
64.2%	807	827	21	2.6%
65.4%	798	820	21	2.7%
66.7%	792	794	2	0.3%
67.9%	764	778	14	1.8%
69.1%	764	771	7	0.9%
70.4%	712	769	57	8.0%
71.6%	705	756	50	7.2%
72.8%	705	755	50	7.1%
74.1%	704	742	38	5.3%
75.3%	689	735	46	6.7%
76.5%	688	727	39	5.6%
77.8%	686	722	36	5.3%
79.0%	685	708	23	3.3%
80.2%	670	703	33	4.9%
81.5%	652	684	32	5.0%
82.7%	640	665	24	3.8%
84.0%	640	661	21	3.3%
85.2%	624	656	32	5.1%
86.4%	610	654	44	7.3%
87.7%	593	639	46	7.8%
88.9%	580	631	51	8.8%
90.1%	538	625	87	16.2%
91.4%	519	598	79	15.2%
92.6%	511	581	70	13.6%
93.8%	507	572	66	13.0%
95.1%	500	532	32	6.3%
96.3%	498	512	14	2.8%
97.5%	467	465	-2	-0.4%
98.8%	433	460	27	6.1%
100.0%	398	407	9	2.3%

Table SW-41-9b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,947	1,970	23	1.2%
1.2%	1,816	1,824	8	0.4%
2.5%	1,692	1,653	-39	-2.3%
3.7%	1,414	1,412	-2	-0.1%
4.9%	1,286	1,245	-41	-3.2%
6.2%	1,252	1,212	-40	-3.2%
7.4%	1,211	1,201	-10	-0.8%
8.6%	1,186	1,186	-1	-0.1%
9.9%	1,171	1,173	3	0.2%
11.1%	1,158	1,137	-21	-1.8%
12.3%	1,157	1,134	-23	-2.0%
13.6%	1,127	1,126	-1	-0.1%
14.8%	1,101	1,091	-11	-1.0%
16.0%	1,073	1,074	0	0.0%
17.3%	980	1,014	34	3.4%
18.5%	957	976	19	2.0%
19.8%	934	955	20	2.2%
21.0%	909	944	35	3.8%
22.2%	904	923	20	2.2%
23.5%	901	914	14	1.5%
24.7%	898	892	-7	-0.7%
25.9%	893	872	-21	-2.4%
27.2%	889	850	-39	-4.3%
28.4%	830	800	-29	-3.5%
29.6%	820	799	-21	-2.6%
30.9%	776	790	13	1.7%
32.1%	765	731	-34	-4.4%
33.3%	751	723	-28	-3.7%
34.6%	745	701	-44	-6.0%
35.8%	742	700	-42	-5.7%
37.0%	739	699	-40	-5.5%
38.3%	726	683	-43	-5.9%
39.5%	715	672	-43	-6.0%
40.7%	714	661	-53	-7.4%
42.0%	711	647	-64	-9.1%
43.2%	710	629	-80	-11.3%
44.4%	660	626	-34	-5.2%
45.7%	656	605	-51	-7.8%
46.9%	644	582	-62	-9.6%
48.1%	635	553	-83	-13.0%
49.4%	629	552	-77	-12.2%
50.6%	588	551	-37	-6.2%
51.9%	583	535	-49	-8.3%
53.1%	580	533	-47	-8.1%
54.3%	578	510	-68	-11.7%
55.6%	563	508	-55	-9.7%
56.8%	552	489	-62	-11.3%
58.0%	544	478	-66	-12.2%
59.3%	487	456	-31	-6.3%
60.5%	483	450	-33	-6.9%
61.7%	469	447	-23	-4.8%
63.0%	452	426	-27	-5.9%
64.2%	445	418	-27	-6.1%
65.4%	419	407	-12	-3.0%
66.7%	412	405	-6	-1.6%
67.9%	399	400	1	0.3%
69.1%	382	398	16	4.3%
70.4%	376	397	21	5.7%
71.6%	371	380	9	2.5%
72.8%	367	374	7	2.0%
74.1%	366	369	2	0.6%
75.3%	364	346	-18	-5.1%
76.5%	345	343	-2	-0.5%
77.8%	338	332	-6	-1.7%
79.0%	337	324	-13	-3.9%
80.2%	320	320	0	-0.1%
81.5%	295	311	16	5.5%
82.7%	290	309	19	6.6%
84.0%	287	286	-1	-0.4%
85.2%	278	285	7	2.5%
86.4%	277	273	-4	-1.3%
87.7%	265	271	7	2.5%
88.9%	260	270	10	3.9%
90.1%	244	261	17	7.1%
91.4%	242	238	-4	-1.8%
92.6%	235	237	1	0.5%
93.8%	225	235	10	4.4%
95.1%	201	235	34	16.8%
96.3%	192	225	33	17.2%
97.5%	192	205	13	6.7%
98.8%	185	180	-5	-2.9%
100.0%	137	175	38	27.4%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,797	1,820	23	1.3%
1.2%	1,668	1,679	11	0.7%
2.5%	1,444	1,414	-30	-2.1%
3.7%	1,188	1,092	-96	-8.1%
4.9%	1,102	1,092	-10	-0.9%
6.2%	1,084	1,088	4	0.4%
7.4%	1,074	1,082	8	0.8%
8.6%	1,059	1,029	-31	-2.9%
9.9%	1,057	1,007	-50	-4.7%
11.1%	1,055	986	-69	-6.5%
12.3%	1,024	986	-38	-3.7%
13.6%	985	935	-50	-5.0%
14.8%	902	892	-10	-1.1%
16.0%	866	891	26	3.0%
17.3%	838	862	24	2.8%
18.5%	838	859	21	2.5%
19.8%	828	818	-10	-1.2%
21.0%	815	779	-36	-4.4%
22.2%	812	771	-41	-5.1%
23.5%	804	739	-65	-8.1%
24.7%	775	737	-38	-4.9%
25.9%	775	724	-51	-6.6%
27.2%	722	721	-2	-0.2%
28.4%	712	668	-43	-6.1%
29.6%	701	666	-35	-5.0%
30.9%	691	653	-38	-5.4%
32.1%	688	626	-61	-8.9%
33.3%	687	618	-68	-10.0%
34.6%	685	609	-76	-11.2%
35.8%	654	587	-67	-10.2%
37.0%	650	573	-77	-11.9%
38.3%	648	553	-95	-14.7%
39.5%	645	546	-100	-15.5%
40.7%	632	544	-88	-13.9%
42.0%	631	529	-103	-16.2%
43.2%	629	524	-104	-16.6%
44.4%	592	519	-73	-12.3%
45.7%	576	502	-74	-12.8%
46.9%	567	497	-69	-12.2%
48.1%	532	489	-43	-8.1%
49.4%	528	473	-55	-10.5%
50.6%	528	470	-58	-10.9%
51.9%	528	465	-63	-12.0%
53.1%	525	458	-67	-12.8%
54.3%	520	455	-65	-12.4%
55.6%	499	450	-49	-9.7%
56.8%	492	439	-54	-10.9%
58.0%	485	423	-62	-12.9%
59.3%	472	422	-50	-10.7%
60.5%	442	407	-36	-8.1%
61.7%	424	402	-22	-5.2%
63.0%	383	401	18	4.7%
64.2%	373	398	25	6.7%
65.4%	365	395	30	8.1%
66.7%	363	373	9	2.5%
67.9%	344	366	22	6.3%
69.1%	338	351	13	3.9%
70.4%	328	325	-3	-1.0%
71.6%	321	324	4	1.2%
72.8%	302	320	18	5.9%
74.1%	295	282	-13	-4.3%
75.3%	291	281	-9	-3.3%
76.5%	277	279	2	0.8%
77.8%	276	270	-6	-2.2%
79.0%	272	267	-5	-1.7%
80.2%	256	264	8	3.1%
81.5%	248	255	6	2.5%
82.7%	243	254	11	4.6%
84.0%	237	253	16	6.9%
85.2%	235	253	18	7.7%
86.4%	222	242	20	8.9%
87.7%	218	235	17	7.7%
88.9%	216	233	17	7.8%
90.1%	207	231	24	11.6%
91.4%	205	215	10	5.0%
92.6%	203	197	-6	-2.8%
93.8%	176	182	6	3.4%
95.1%	171	166	-5	-2.7%
96.3%	169	147	-22	-13.1%
97.5%	168	146	-22	-13.0%
98.8%	124	142	18	14.4%
100.0%	101	123	21	20.9%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,617	1,638	21	1.3%
1.2%	1,442	1,454	12	0.8%
2.5%	1,217	1,196	-21	-1.7%
3.7%	1,058	955	-103	-9.7%
4.9%	967	925	-42	-4.3%
6.2%	953	920	-33	-3.4%
7.4%	937	898	-39	-4.1%
8.6%	858	857	-1	-0.1%
9.9%	850	795	-56	-6.6%
11.1%	834	728	-106	-12.7%
12.3%	768	711	-57	-7.5%
13.6%	740	708	-32	-4.3%
14.8%	740	686	-54	-7.2%
16.0%	735	682	-53	-7.1%
17.3%	710	664	-47	-6.6%
18.5%	695	659	-36	-5.2%
19.8%	687	645	-42	-6.1%
21.0%	683	641	-43	-6.3%
22.2%	681	631	-49	-7.2%
23.5%	660	620	-40	-6.1%
24.7%	643	615	-29	-4.5%
25.9%	641	611	-30	-4.7%
27.2%	632	610	-22	-3.5%
28.4%	629	606	-24	-3.8%
29.6%	622	591	-31	-5.0%
30.9%	618	576	-42	-6.8%
32.1%	610	564	-46	-7.5%
33.3%	593	563	-30	-5.1%
34.6%	571	563	-9	-1.5%
35.8%	557	559	2	0.4%
37.0%	550	538	-12	-2.2%
38.3%	542	522	-20	-3.7%
39.5%	537	509	-29	-5.4%
40.7%	530	502	-28	-5.2%
42.0%	529	499	-29	-5.6%
43.2%	528	496	-32	-6.1%
44.4%	518	486	-33	-6.3%
45.7%	497	482	-15	-2.9%
46.9%	490	480	-10	-2.1%
48.1%	482	470	-12	-2.5%
49.4%	476	454	-23	-4.8%
50.6%	476	447	-29	-6.1%
51.9%	469	445	-24	-5.2%
53.1%	468	426	-42	-9.1%
54.3%	458	422	-36	-7.9%
55.6%	439	416	-23	-5.2%
56.8%	418	414	-4	-1.0%
58.0%	407	413	6	1.5%
59.3%	400	401	0	0.0%
60.5%	400	395	-5	-1.2%
61.7%	382	384	2	0.6%
63.0%	348	373	25	7.2%
64.2%	347	359	11	3.2%
65.4%	345	353	8	2.3%
66.7%	342	334	-8	-2.5%
67.9%	340	332	-8	-2.3%
69.1%	334	326	-8	-2.4%
70.4%	329	323	-5	-1.6%
71.6%	327	320	-7	-2.2%
72.8%	309	315	6	1.9%
74.1%	307	312	5	1.5%
75.3%	302	291	-12	-3.8%
76.5%	301	281	-20	-6.6%
77.8%	298	276	-22	-7.4%
79.0%	284	273	-11	-4.0%
80.2%	282	272	-9	-3.3%
81.5%	278	263	-15	-5.4%
82.7%	260	263	3	1.1%
84.0%	252	252	1	0.3%
85.2%	243	237	-6	-2.4%
86.4%	242	229	-14	-5.6%
87.7%	236	221	-15	-6.3%
88.9%	224	219	-5	-2.1%
90.1%	222	218	-4	-1.8%
91.4%	220	205	-15	-6.8%
92.6%	219	200	-19	-8.5%
93.8%	188	190	2	1.1%
95.1%	179	181	2	1.1%
96.3%	175	178	4	2.0%
97.5%	163	177	14	8.5%
98.8%	145	142	-3	-2.0%
100.0%	100	132	32	32.1%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Storage (TAF)	Alternative D End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,727	1,737	11	0.6%
1.2%	1,103	1,468	365	33.0%
2.5%	1,064	1,221	157	14.8%
3.7%	1,047	1,100	53	5.1%
4.9%	968	1,089	121	12.5%
6.2%	940	1,016	75	8.0%
7.4%	931	952	21	2.2%
8.6%	881	922	42	4.7%
9.9%	862	855	-7	-0.9%
11.1%	829	830	1	0.1%
12.3%	820	788	-32	-3.9%
13.6%	820	781	-39	-4.8%
14.8%	813	769	-44	-5.4%
16.0%	767	761	-7	-0.9%
17.3%	762	758	-5	-0.6%
18.5%	746	748	3	0.4%
19.8%	740	742	2	0.2%
21.0%	727	722	-5	-0.7%
22.2%	726	712	-14	-1.9%
23.5%	725	700	-26	-3.6%
24.7%	723	695	-27	-3.8%
25.9%	702	689	-13	-1.9%
27.2%	700	688	-12	-1.7%
28.4%	697	687	-9	-1.3%
29.6%	691	686	-5	-0.7%
30.9%	689	682	-6	-0.9%
32.1%	686	678	-8	-1.1%
33.3%	681	670	-11	-1.6%
34.6%	680	662	-17	-2.5%
35.8%	662	656	-6	-0.9%
37.0%	657	640	-18	-2.7%
38.3%	653	638	-15	-2.3%
39.5%	645	627	-18	-2.8%
40.7%	634	627	-8	-1.2%
42.0%	619	615	-3	-0.5%
43.2%	605	605	0	-0.1%
44.4%	602	603	1	0.2%
45.7%	600	598	-2	-0.3%
46.9%	587	592	5	0.8%
48.1%	574	588	14	2.4%
49.4%	572	579	6	1.1%
50.6%	564	578	14	2.5%
51.9%	553	571	18	3.2%
53.1%	552	569	16	3.0%
54.3%	552	559	7	1.3%
55.6%	550	557	8	1.4%
56.8%	548	557	9	1.6%
58.0%	547	537	-10	-1.9%
59.3%	521	533	13	2.4%
60.5%	519	526	8	1.4%
61.7%	514	524	10	2.0%
63.0%	476	523	47	9.8%
64.2%	474	497	23	4.9%
65.4%	463	486	23	4.9%
66.7%	459	463	4	0.8%
67.9%	458	445	-13	-2.8%
69.1%	452	433	-19	-4.1%
70.4%	445	431	-14	-3.1%
71.6%	423	429	6	1.4%
72.8%	418	409	-9	-2.2%
74.1%	409	406	-3	-0.7%
75.3%	407	394	-13	-3.2%
76.5%	388	369	-19	-4.9%
77.8%	383	366	-17	-4.3%
79.0%	375	354	-21	-5.6%
80.2%	363	349	-14	-4.0%
81.5%	361	346	-15	-4.2%
82.7%	330	341	12	3.5%
84.0%	324	341	17	5.2%
85.2%	320	332	11	3.6%
86.4%	318	328	10	3.2%
87.7%	293	319	26	8.9%
88.9%	291	312	21	7.3%
90.1%	276	310	34	12.4%
91.4%	256	308	51	20.1%
92.6%	256	282	27	10.5%
93.8%	251	276	24	9.7%
95.1%	251	259	8	3.2%
96.3%	245	258	13	5.2%
97.5%	234	224	-10	-4.1%
98.8%	228	213	-15	-6.4%
100.0%	145	174	29	19.8%

Table SW-42-9a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	414	428	462	482	495	503	482	450	413	403	395	405
Alternative D	417	436	469	488	500	506	484	450	411	400	393	406
Difference	4	8	7	6	5	2	2	1	-2	-3	-2	1
Percent Difference[3]	0.9%	2.0%	1.4%	1.2%	1.0%	0.5%	0.4%	0.2%	-0.4%	-0.7%	-0.6%	0.3%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	426	429	463	489	506	520	498	467	438	422	413	424
Alternative D	438	444	478	496	510	522	501	469	439	422	411	427
Difference	12	15	14	7	4	2	2	2	1	0	-2	2
Percent Difference	2.8%	3.5%	3.1%	1.4%	0.9%	0.4%	0.4%	0.4%	0.2%	0.0%	-0.5%	0.6%
Above Normal (15%)												
No Action Alternative	410	420	457	476	489	501	477	438	405	388	384	398
Alternative D	422	441	475	484	495	506	482	443	406	392	387	407
Difference	12	22	18	8	6	5	5	5	2	4	3	8
Percent Difference	2.8%	5.2%	4.0%	1.8%	1.3%	0.9%	1.0%	1.2%	0.4%	1.0%	0.7%	2.1%
Below Normal (17%)												
No Action Alternative	414	445	477	482	493	501	478	440	395	388	383	398
Alternative D	420	452	484	489	500	505	481	444	398	392	386	401
Difference	6	7	7	7	6	4	4	4	3	3	3	4
Percent Difference	1.3%	1.6%	1.5%	1.4%	1.3%	0.9%	0.8%	0.9%	0.7%	0.9%	0.8%	1.0%
Dry (22%)												
No Action Alternative	406	428	459	485	497	498	477	442	394	392	389	396
Alternative D	396	425	455	489	499	498	475	438	385	378	377	388
Difference	-10	-3	-4	4	3	-1	-2	-4	-9	-14	-12	-8
Percent Difference	-2.5%	-0.7%	-0.9%	0.8%	0.6%	-0.1%	-0.4%	-1.0%	-2.3%	-3.6%	-3.1%	-1.9%
Critical (15%)												
No Action Alternative	401	414	452	468	478	479	467	447	415	410	392	393
Alternative D	397	413	445	471	483	481	467	444	411	403	392	394
Difference	-4	-1	-7	3	5	2	0	-2	-4	-6	1	1
Percent Difference	-0.9%	-0.1%	-1.5%	0.6%	1.1%	0.5%	0.1%	-0.6%	-0.9%	-1.6%	0.1%	0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-42-9b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

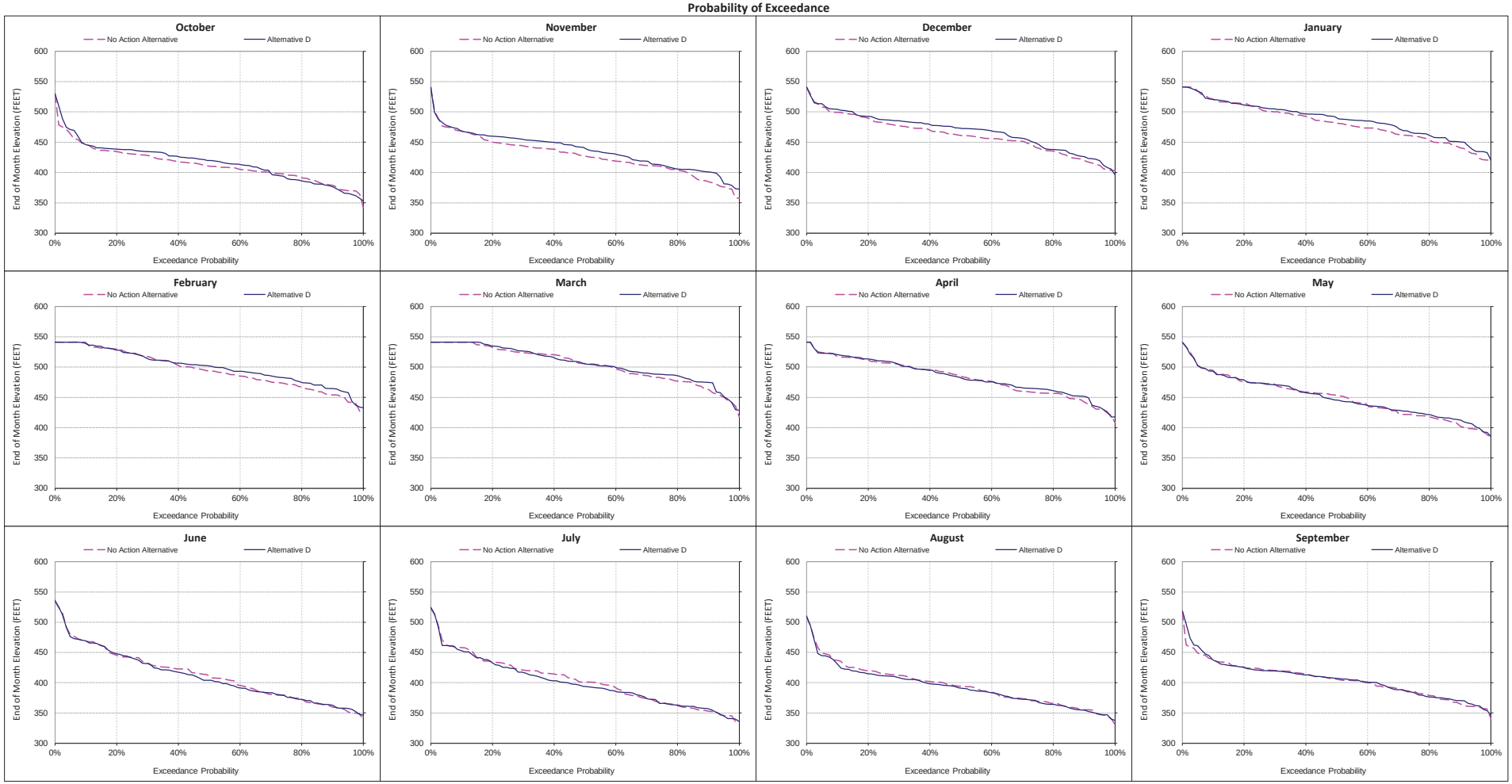

Table SW-42-9b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	530	530	1	0.1%
1.2%	478	510	31	6.5%
2.5%	475	488	13	2.8%
3.7%	471	475	3	0.7%
4.9%	464	471	7	1.4%
6.2%	455	470	14	3.1%
7.4%	454	460	6	1.3%
8.6%	449	450	1	0.3%
9.9%	447	446	-1	-0.1%
11.1%	445	445	0	0.0%
12.3%	440	444	4	0.9%
13.6%	438	441	3	0.6%
14.8%	436	441	4	1.0%
16.0%	436	440	4	0.8%
17.3%	436	440	4	0.9%
18.5%	435	439	4	0.8%
19.8%	435	438	4	0.9%
21.0%	434	438	5	1.1%
22.2%	432	438	6	1.4%
23.5%	431	438	6	1.4%
24.7%	431	438	7	1.6%
25.9%	430	437	6	1.5%
27.2%	429	435	6	1.4%
28.4%	429	435	6	1.3%
29.6%	429	435	6	1.4%
30.9%	428	435	7	1.7%
32.1%	425	434	9	2.1%
33.3%	423	434	11	2.6%
34.6%	422	433	11	2.6%
35.8%	421	432	11	2.5%
37.0%	421	427	6	1.5%
38.3%	419	427	8	1.9%
39.5%	419	427	8	2.0%
40.7%	417	425	8	1.9%
42.0%	417	425	8	1.9%
43.2%	416	424	8	1.9%
44.4%	416	424	8	1.9%
45.7%	415	423	8	2.0%
46.9%	414	422	8	1.9%
48.1%	412	422	9	2.2%
49.4%	411	420	9	2.1%
50.6%	410	420	10	2.3%
51.9%	410	419	9	2.2%
53.1%	409	418	9	2.3%
54.3%	408	416	8	2.0%
55.6%	408	415	7	1.6%
56.8%	408	414	6	1.5%
58.0%	408	414	6	1.5%
59.3%	406	414	8	2.0%
60.5%	405	412	8	1.9%
61.7%	404	412	7	1.8%
63.0%	404	411	8	1.9%
64.2%	403	409	7	1.6%
65.4%	402	409	7	1.7%
66.7%	401	406	5	1.3%
67.9%	401	404	3	0.8%
69.1%	400	404	4	0.9%
70.4%	399	396	-3	-0.7%
71.6%	398	395	-3	-0.7%
72.8%	398	394	-4	-0.9%
74.1%	398	394	-4	-1.0%
75.3%	396	389	-6	-1.5%
76.5%	395	388	-7	-1.8%
77.8%	395	388	-7	-1.9%
79.0%	393	388	-6	-1.4%
80.2%	391	386	-5	-1.3%
81.5%	391	384	-6	-1.6%
82.7%	388	384	-4	-1.1%
84.0%	387	381	-6	-1.5%
85.2%	384	381	-3	-0.9%
86.4%	382	381	-1	-0.3%
87.7%	381	379	-2	-0.6%
88.9%	380	378	-1	-0.4%
90.1%	379	376	-2	-0.6%
91.4%	376	373	-3	-0.8%
92.6%	372	370	-2	-0.6%
93.8%	371	366	-5	-1.3%
95.1%	370	365	-5	-1.2%
96.3%	370	364	-6	-1.7%
97.5%	370	362	-8	-2.2%
98.8%	364	358	-6	-1.8%
100.0%	342	353	11	3.3%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	501	499	-2	-0.3%
2.5%	489	488	-1	-0.3%
3.7%	477	482	6	1.2%
4.9%	475	478	3	0.7%
6.2%	475	476	1	0.3%
7.4%	471	474	3	0.6%
8.6%	469	473	4	0.8%
9.9%	469	468	0	-0.1%
11.1%	467	467	1	0.1%
12.3%	466	466	0	-0.1%
13.6%	463	465	2	0.4%
14.8%	462	463	1	0.2%
16.0%	460	462	2	0.5%
17.3%	454	462	8	1.7%
18.5%	453	460	8	1.7%
19.8%	450	460	10	2.2%
21.0%	450	460	10	2.2%
22.2%	449	459	10	2.3%
23.5%	447	459	12	2.6%
24.7%	447	458	11	2.4%
25.9%	446	457	11	2.6%
27.2%	445	456	11	2.5%
28.4%	445	456	11	2.5%
29.6%	444	455	10	2.3%
30.9%	443	454	11	2.5%
32.1%	443	453	11	2.4%
33.3%	441	453	12	2.6%
34.6%	440	452	12	2.6%
35.8%	440	452	12	2.6%
37.0%	440	451	11	2.4%
38.3%	439	450	11	2.5%
39.5%	439	450	11	2.6%
40.7%	438	449	11	2.5%
42.0%	434	449	15	3.6%
43.2%	433	446	13	2.9%
44.4%	432	446	13	3.1%
45.7%	432	445	13	3.0%
46.9%	432	443	11	2.6%
48.1%	429	442	14	3.2%
49.4%	428	442	13	3.1%
50.6%	426	438	12	2.8%
51.9%	425	436	11	2.6%
53.1%	425	435	11	2.5%
54.3%	425	435	10	2.4%
55.6%	422	433	11	2.6%
56.8%	422	432	11	2.6%
58.0%	420	431	12	2.8%
59.3%	419	431	12	2.8%
60.5%	418	429	11	2.6%
61.7%	418	428	10	2.4%
63.0%	417	427	10	2.4%
64.2%	417	425	9	2.1%
65.4%	415	421	6	1.5%
66.7%	413	420	7	1.8%
67.9%	413	419	6	1.6%
69.1%	412	419	7	1.7%
70.4%	411	418	7	1.7%
71.6%	411	414	3	0.7%
72.8%	411	413	3	0.6%
74.1%	411	413	2	0.6%
75.3%	409	412	3	0.7%
76.5%	408	410	2	0.6%
77.8%	405	408	3	0.7%
79.0%	405	407	2	0.4%
80.2%	404	406	2	0.5%
81.5%	403	405	2	0.6%
82.7%	401	405	4	1.1%
84.0%	398	405	8	1.9%
85.2%	393	404	11	2.8%
86.4%	389	404	15	3.9%
87.7%	387	402	16	4.0%
88.9%	386	401	15	3.8%
90.1%	385	401	16	4.2%
91.4%	383	400	17	4.5%
92.6%	381	399	18	4.7%
93.8%	377	393	16	4.2%
95.1%	376	381	5	1.4%
96.3%	373	381	8	2.1%
97.5%	373	379	6	1.5%
98.8%	358	373	15	4.2%
100.0%	357	372	15	4.2%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	530	527	-3	-0.5%
2.5%	515	516	1	0.3%
3.7%	513	514	0	0.1%
4.9%	508	513	5	1.0%
6.2%	507	508	1	0.2%
7.4%	501	505	5	1.0%
8.6%	499	505	5	1.0%
9.9%	499	504	5	1.1%
11.1%	499	503	4	0.8%
12.3%	498	502	5	1.0%
13.6%	497	501	4	0.8%
14.8%	496	501	5	1.0%
16.0%	496	495	-1	-0.1%
17.3%	492	493	1	0.2%
18.5%	491	493	2	0.4%
19.8%	490	493	2	0.5%
21.0%	487	492	5	1.1%
22.2%	484	490	6	1.2%
23.5%	483	488	5	1.0%
24.7%	483	487	4	0.9%
25.9%	480	487	6	1.3%
27.2%	480	486	7	1.4%
28.4%	479	486	7	1.5%
29.6%	477	486	8	1.7%
30.9%	476	485	8	1.8%
32.1%	476	484	8	1.7%
33.3%	474	484	9	2.0%
34.6%	473	483	9	2.0%
35.8%	473	482	9	1.9%
37.0%	473	482	9	2.0%
38.3%	473	480	8	1.6%
39.5%	471	480	9	1.9%
40.7%	468	478	10	2.1%
42.0%	467	478	10	2.2%
43.2%	467	477	10	2.2%
44.4%	466	476	10	2.1%
45.7%	464	476	12	2.6%
46.9%	464	476	12	2.7%
48.1%	463	474	11	2.3%
49.4%	462	473	12	2.6%
50.6%	461	473	12	2.5%
51.9%	461	473	12	2.6%
53.1%	461	472	12	2.5%
54.3%	460	472	12	2.7%
55.6%	458	471	13	2.9%
56.8%	457	471	14	3.1%
58.0%	456	470	14	3.0%
59.3%	456	470	14	3.0%
60.5%	456	468	12	2.6%
61.7%	456	467	11	2.5%
63.0%	455	467	12	2.6%
64.2%	454	465	11	2.4%
65.4%	453	460	7	1.6%
66.7%	453	458	5	1.2%
67.9%	452	458	5	1.1%
69.1%	452	457	5	1.2%
70.4%	451	456	5	1.1%
71.6%	448	454	6	1.4%
72.8%	447	451	4	0.9%
74.1%	442	449	7	1.6%
75.3%	440	446	7	1.5%
76.5%	437	442	5	1.1%
77.8%	436	439	2	0.6%
79.0%	436	438	2	0.6%
80.2%	435	438	2	0.6%
81.5%	434	437	4	0.9%
82.7%	431	437	6	1.5%
84.0%	429	437	8	1.8%
85.2%	425	432	7	1.6%
86.4%	424	431	7	1.6%
87.7%	423	428	5	1.2%
88.9%	422	427	5	1.1%
90.1%	419	426	7	1.6%
91.4%	417	423	6	1.4%
92.6%	415	423	7	1.8%
93.8%	414	422	8	2.0%
95.1%	412	419	8	1.8%
96.3%	406	412	6	1.4%
97.5%	405	408	3	0.8%
98.8%	403	406	3	0.6%
100.0%	403	397	-7	-1.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	539	-2	-0.3%
3.7%	540	537	-3	-0.5%
4.9%	535	534	-1	-0.2%
6.2%	529	532	3	0.5%
7.4%	528	523	-5	-0.9%
8.6%	523	522	-1	-0.2%
9.9%	521	521	-1	-0.1%
11.1%	517	520	3	0.6%
12.3%	516	519	3	0.5%
13.6%	516	518	2	0.4%
14.8%	516	517	1	0.2%
16.0%	515	514	-1	-0.2%
17.3%	515	514	-1	-0.1%
18.5%	514	513	-1	-0.2%
19.8%	514	511	-2	-0.4%
21.0%	513	511	-2	-0.5%
22.2%	510	510	0	0.0%
23.5%	510	509	0	0.0%
24.7%	507	509	2	0.5%
25.9%	503	507	4	0.8%
27.2%	501	506	5	1.0%
28.4%	501	505	4	0.9%
29.6%	500	505	5	1.0%
30.9%	500	504	4	0.8%
32.1%	498	504	5	1.1%
33.3%	498	503	5	1.0%
34.6%	498	501	4	0.7%
35.8%	495	501	5	1.1%
37.0%	495	500	6	1.1%
38.3%	495	498	3	0.6%
39.5%	493	497	4	0.8%
40.7%	492	497	5	1.0%
42.0%	489	497	7	1.4%
43.2%	486	496	10	2.1%
44.4%	486	496	10	2.1%
45.7%	485	496	11	2.2%
46.9%	484	494	10	2.0%
48.1%	483	493	10	2.1%
49.4%	483	492	9	1.9%
50.6%	481	488	8	1.6%
51.9%	481	488	8	1.6%
53.1%	479	487	9	1.8%
54.3%	478	487	9	1.8%
55.6%	477	486	10	2.1%
56.8%	475	486	11	2.2%
58.0%	474	486	12	2.5%
59.3%	474	485	12	2.5%
60.5%	474	485	11	2.4%
61.7%	474	484	11	2.2%
63.0%	473	482	9	1.9%
64.2%	470	481	11	2.3%
65.4%	470	481	11	2.4%
66.7%	468	480	12	2.6%
67.9%	466	478	12	2.5%
69.1%	464	476	13	2.7%
70.4%	463	472	9	2.0%
71.6%	462	469	8	1.6%
72.8%	461	469	7	1.6%
74.1%	461	466	5	1.1%
75.3%	459	465	5	1.2%
76.5%	459	465	5	1.2%
77.8%	457	464	7	1.4%
79.0%	456	464	8	1.6%
80.2%	453	461	8	1.8%
81.5%	450	458	8	1.8%
82.7%	449	458	8	1.8%
84.0%	449	458	8	1.8%
85.2%	449	457	9	1.9%
86.4%	449	452	3	0.6%
87.7%	445	451	6	1.5%
88.9%	443	451	8	1.8%
90.1%	441	450	10	2.2%
91.4%	439	450	10	2.4%
92.6%	435	444	9	2.2%
93.8%	432	439	7	1.7%
95.1%	431	435	4	0.9%
96.3%	423	435	12	2.7%
97.5%	421	435	14	3.2%
98.8%	420	433	12	3.0%
100.0%	419	420	1	0.3%

Table SW-42-9b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

February				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	539	-2	-0.4%
11.1%	535	536	1	0.2%
12.3%	533	536	3	0.6%
13.6%	533	535	2	0.3%
14.8%	532	534	3	0.5%
16.0%	532	532	0	0.0%
17.3%	531	531	0	0.0%
18.5%	530	530	0	0.0%
19.8%	530	528	-2	-0.3%
21.0%	530	528	-2	-0.4%
22.2%	526	524	-2	-0.5%
23.5%	524	524	0	-0.1%
24.7%	523	523	0	0.1%
25.9%	521	523	2	0.3%
27.2%	520	520	0	-0.1%
28.4%	518	519	1	0.1%
29.6%	518	515	-3	-0.5%
30.9%	517	512	-4	-0.8%
32.1%	514	511	-2	-0.5%
33.3%	512	511	0	-0.1%
34.6%	511	511	0	0.0%
35.8%	511	510	-1	-0.2%
37.0%	510	510	0	-0.1%
38.3%	508	508	0	-0.1%
39.5%	504	507	3	0.5%
40.7%	501	506	5	1.0%
42.0%	501	506	5	1.0%
43.2%	501	504	4	0.8%
44.4%	500	504	4	0.9%
45.7%	498	504	6	1.3%
46.9%	497	503	6	1.3%
48.1%	495	503	7	1.5%
49.4%	494	502	9	1.7%
50.6%	494	501	8	1.6%
51.9%	493	500	7	1.4%
53.1%	491	499	8	1.6%
54.3%	491	499	8	1.6%
55.6%	489	497	8	1.6%
56.8%	488	495	7	1.5%
58.0%	488	493	6	1.1%
59.3%	486	493	7	1.5%
60.5%	485	493	8	1.7%
61.7%	484	492	8	1.6%
63.0%	482	492	10	2.1%
64.2%	482	491	9	1.9%
65.4%	479	490	11	2.2%
66.7%	479	489	11	2.3%
67.9%	479	487	8	1.7%
69.1%	477	486	10	2.0%
70.4%	475	485	10	2.1%
71.6%	475	484	9	1.9%
72.8%	474	483	9	1.9%
74.1%	473	483	9	2.0%
75.3%	471	482	10	2.2%
76.5%	471	481	10	2.1%
77.8%	471	478	7	1.6%
79.0%	468	476	8	1.8%
80.2%	467	474	7	1.5%
81.5%	464	474	10	2.1%
82.7%	463	474	10	2.2%
84.0%	462	471	8	1.8%
85.2%	459	471	11	2.4%
86.4%	459	470	11	2.5%
87.7%	456	465	9	2.0%
88.9%	454	465	10	2.3%
90.1%	454	465	10	2.3%
91.4%	454	464	9	2.1%
92.6%	452	461	9	2.0%
93.8%	450	459	9	2.1%
95.1%	442	458	16	3.6%
96.3%	442	443	1	0.2%
97.5%	440	437	-3	-0.6%
98.8%	427	434	7	1.6%
100.0%	424	433	9	2.0%

March				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	537	541	4	0.7%
16.0%	537	541	4	0.8%
17.3%	535	538	2	0.4%
18.5%	535	537	2	0.4%
19.8%	533	535	2	0.3%
21.0%	530	535	5	0.9%
22.2%	529	534	5	0.9%
23.5%	529	532	3	0.6%
24.7%	528	531	3	0.6%
25.9%	526	531	5	0.9%
27.2%	525	529	4	0.8%
28.4%	524	527	3	0.5%
29.6%	524	527	3	0.6%
30.9%	524	526	2	0.5%
32.1%	523	525	3	0.5%
33.3%	522	523	0	0.1%
34.6%	522	521	-2	-0.3%
35.8%	522	520	-2	-0.4%
37.0%	521	518	-3	-0.6%
38.3%	521	518	-3	-0.6%
39.5%	521	517	-4	-0.8%
40.7%	520	513	-6	-1.2%
42.0%	519	512	-7	-1.4%
43.2%	515	511	-4	-0.7%
44.4%	515	510	-5	-0.9%
45.7%	513	509	-3	-0.7%
46.9%	509	509	1	0.1%
48.1%	507	509	2	0.4%
49.4%	506	506	0	0.0%
50.6%	506	505	-1	-0.2%
51.9%	505	504	-1	-0.2%
53.1%	505	504	-1	-0.1%
54.3%	504	502	-2	-0.3%
55.6%	503	502	-1	-0.3%
56.8%	503	502	-1	-0.2%
58.0%	501	501	0	0.1%
59.3%	499	501	2	0.4%
60.5%	496	498	2	0.5%
61.7%	495	498	3	0.7%
63.0%	492	496	4	0.9%
64.2%	489	493	4	0.8%
65.4%	489	493	3	0.7%
66.7%	488	492	4	0.8%
67.9%	488	491	3	0.6%
69.1%	486	490	4	0.8%
70.4%	486	490	4	0.8%
71.6%	484	489	5	1.1%
72.8%	483	488	5	1.0%
74.1%	483	488	5	1.1%
75.3%	481	488	7	1.4%
76.5%	481	487	6	1.3%
77.8%	480	487	8	1.6%
79.0%	477	487	10	2.0%
80.2%	477	486	9	1.9%
81.5%	476	484	7	1.5%
82.7%	476	482	5	1.2%
84.0%	476	480	4	0.8%
85.2%	473	477	4	0.8%
86.4%	470	476	6	1.3%
87.7%	468	475	7	1.5%
88.9%	463	475	12	2.5%
90.1%	463	474	12	2.5%
91.4%	458	474	16	3.6%
92.6%	455	459	3	0.7%
93.8%	453	458	5	1.0%
95.1%	450	451	1	0.3%
96.3%	445	447	2	0.5%
97.5%	441	442	1	0.2%
98.8%	436	430	-6	-1.3%
100.0%	418	428	11	2.6%

April				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	531	531	0	0.0%
3.7%	525	524	-2	-0.3%
4.9%	524	523	-1	-0.2%
6.2%	523	523	-1	-0.1%
7.4%	523	522	-1	-0.1%
8.6%	522	522	0	-0.1%
9.9%	518	521	3	0.6%
11.1%	517	519	3	0.5%
12.3%	516	519	2	0.4%
13.6%	516	518	2	0.5%
14.8%	515	516	1	0.2%
16.0%	515	516	1	0.2%
17.3%	514	516	2	0.3%
18.5%	513	514	1	0.2%
19.8%	512	514	1	0.3%
21.0%	510	513	3	0.7%
22.2%	509	511	2	0.4%
23.5%	507	510	3	0.6%
24.7%	507	510	3	0.6%
25.9%	507	510	3	0.5%
27.2%	507	509	2	0.5%
28.4%	506	507	1	0.2%
29.6%	505	505	1	0.1%
30.9%	504	502	-2	-0.4%
32.1%	502	501	-1	-0.2%
33.3%	501	501	-1	-0.2%
34.6%	498	498	0	0.0%
35.8%	496	497	1	0.1%
37.0%	496	496	0	0.0%
38.3%	496	496	0	0.1%
39.5%	496	495	-1	-0.2%
40.7%	495	495	-1	-0.2%
42.0%	495	491	-4	-0.8%
43.2%	493	490	-3	-0.6%
44.4%	492	489	-3	-0.6%
45.7%	491	488	-3	-0.7%
46.9%	489	486	-3	-0.7%
48.1%	488	485	-3	-0.6%
49.4%	487	484	-4	-0.7%
50.6%	484	481	-3	-0.6%
51.9%	483	479	-4	-0.7%
53.1%	481	478	-2	-0.4%
54.3%	480	478	-2	-0.4%
55.6%	479	478	-1	-0.2%
56.8%	478	478	0	-0.1%
58.0%	477	476	-2	-0.4%
59.3%	477	476	-2	-0.4%
60.5%	476	475	0	-0.1%
61.7%	472	473	1	0.3%
63.0%	471	473	2	0.4%
64.2%	470	472	2	0.4%
65.4%	468	471	4	0.8%
66.7%	464	470	6	1.3%
67.9%	461	467	6	1.2%
69.1%	460	467	6	1.4%
70.4%	460	465	6	1.2%
71.6%	460	465	5	1.2%
72.8%	459	465	6	1.4%
74.1%	458	465	7	1.4%
75.3%	457	464	7	1.5%
76.5%	457	464	7	1.5%
77.8%	457	463	7	1.4%
79.0%	457	462	5	1.2%
80.2%	457	461	4	1.0%
81.5%	456	459	3	0.6%
82.7%	455	459	4	0.8%
84.0%	452	457	5	1.0%
85.2%	448	454	6	1.4%
86.4%	448	453	5	1.0%
87.7%	447	453	6	1.2%
88.9%	446	452	6	1.4%
90.1%	442	452	10	2.3%
91.4%	439	450	11	2.5%
92.6%	435	437	2	0.4%
93.8%	431	435	5	1.1%
95.1%	430	434	3	0.8%
96.3%	429	430	0	0.1%
97.5%	424	426	2	0.5%
98.8%	420	418	-2	-0.5%
100.0%	408	418	10	2.3%

May				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	533	533	0	0.1%
2.5%	526	521	-4	-0.8%
3.7%	515	515	0	0.0%
4.9%	503	502	-1	-0.2%
6.2%	499	499	0	0.1%
7.4%	498	498	0	0.0%
8.6%	496	493	-2	-0.5%
9.9%	495	493	-1	-0.3%
11.1%	489	488	-2	-0.3%
12.3%	489	487	-1	-0.3%
13.6%	487	486	-2	-0.3%
14.8%	487	483	-4	-0.9%
16.0%	483	483	0	0.0%
17.3%	483	482	0	0.0%
18.5%	478	480	2	0.5%
19.8%	476	479	3	0.7%
21.0%	475	475	0	0.1%
22.2%	474	474	0	0.0%
23.5%	474	474	0	-0.1%
24.7%	473	474	0	0.1%
25.9%	473	473	0	0.0%
27.2%	473	472	-1	-0.3%
28.4%	472	471	-1	-0.3%
29.6%	472	471	-2	-0.3%
30.9%	468	470	2	0.4%
32.1%	467	470	3	0.7%
33.3%	465	469	4	0.9%
34.6%	464	468	4	0.9%
35.8%	463	464	1	0.2%
37.0%	463	462	0	0.0%
38.3%	460	459	-1	-0.3%
39.5%	459	458	-1	-0.1%
40.7%	459	457	-2	-0.4%
42.0%	458	456	-2	-0.4%
43.2%	457	456	-1	-0.3%
44.4%	457	455	-2	-0.4%
45.7%	456	450	-6	-1.4%
46.9%	456	449	-8	-1.6%
48.1%	455	447	-7	-1.6%
49.4%	454	446	-9	-1.9%
50.6%	452	445	-7	-1.6%
51.9%	452	444	-8	-1.8%
53.1%	450	443	-7	-1.6%
54.3%	447	443	-5	-1.1%
55.6%	442	442	0	0.0%
56.8%	441	440	-2	-0.4%
58.0%	440	439	-2	-0.4%
59.3%	440	438	-2	-0.6%
60.5%	435	436	2	0.4%
61.7%	434	436	2	0.4%
63.0%	433	435	2	0.5%
64.2%	433	435	2	0.5%
65.4%	432	434	2	0.5%
66.7%	431	431	0	0.0%
67.9%	428	430	1	0.3%
69.1%	428	429	1	0.2%
70.4%	422	429	6	1.5%
71.6%	422	427	5	1.3%
72.8%	422	427	5	1.3%
74.1%	422	426	4	1.0%
75.3%	420	425	5	1.2%
76.5%	420	424	4	1.0%
77.8%	420	424	4	0.9%
79.0%	419	422	2	0.6%
80.2%	418	421	4	0.9%
81.5%	416	419	4	0.9%
82.7%	414	417	3	0.7%
84.0%	414	417	2	0.6%
85.2%	413	416	4	0.9%
86.4%	411	416	5	1.2%
87.7%	409	414	5	1.3%
88.9%	407	413	6	1.5%
90.1%	402	413	10	2.6%
91.4%	400	409	10	2.4%
92.6%	399	407	9	2.1%
93.8%	398	406	8	2.0%
95.1%	398	402	4	1.0%
96.3%	397	399	2	0.5%
97.5%	393	393	0	-0.1%
98.8%	389	392	4	0.9%
100.0%	384	385	1	0.3%

Table SW-42-9b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	534	536	2	0.3%
1.2%	524	525	1	0.1%
2.5%	515	512	-3	-0.6%
3.7%	492	491	0	0.0%
4.9%	480	476	-4	-0.8%
6.2%	477	473	-4	-0.8%
7.4%	473	472	-1	-0.2%
8.6%	471	470	0	0.0%
9.9%	469	469	0	0.1%
11.1%	468	466	-2	-0.4%
12.3%	468	465	-2	-0.5%
13.6%	465	465	0	0.0%
14.8%	462	461	-1	-0.2%
16.0%	460	460	0	0.0%
17.3%	450	454	3	0.7%
18.5%	448	450	2	0.4%
19.8%	446	448	2	0.5%
21.0%	443	447	4	0.8%
22.2%	443	445	2	0.4%
23.5%	442	444	1	0.3%
24.7%	442	441	-1	-0.2%
25.9%	442	439	-2	-0.5%
27.2%	441	437	-4	-0.9%
28.4%	435	432	-3	-0.7%
29.6%	434	432	-2	-0.5%
30.9%	429	431	1	0.3%
32.1%	428	425	-4	-0.9%
33.3%	427	424	-3	-0.7%
34.6%	426	421	-5	-1.1%
35.8%	426	421	-5	-1.1%
37.0%	425	421	-4	-1.0%
38.3%	424	419	-5	-1.1%
39.5%	423	418	-5	-1.1%
40.7%	423	417	-6	-1.4%
42.0%	422	415	-7	-1.7%
43.2%	422	413	-9	-2.1%
44.4%	417	413	-4	-0.9%
45.7%	416	410	-6	-1.4%
46.9%	415	408	-7	-1.7%
48.1%	414	404	-10	-2.4%
49.4%	413	404	-9	-2.2%
50.6%	408	404	-4	-1.1%
51.9%	408	402	-6	-1.5%
53.1%	407	402	-6	-1.4%
54.3%	407	399	-8	-2.0%
55.6%	405	399	-7	-1.7%
56.8%	404	396	-8	-1.9%
58.0%	403	395	-8	-2.1%
59.3%	396	392	-4	-1.0%
60.5%	395	391	-4	-1.1%
61.7%	394	390	-3	-0.8%
63.0%	391	388	-4	-0.9%
64.2%	390	387	-4	-1.0%
65.4%	387	385	-2	-0.5%
66.7%	386	385	-1	-0.2%
67.9%	384	384	0	0.0%
69.1%	381	384	2	0.6%
70.4%	381	384	3	0.8%
71.6%	380	381	1	0.4%
72.8%	379	380	1	0.3%
74.1%	379	379	0	0.1%
75.3%	379	376	-3	-0.7%
76.5%	376	376	0	-0.1%
77.8%	375	374	-1	-0.2%
79.0%	375	373	-2	-0.5%
80.2%	372	372	0	0.0%
81.5%	368	371	3	0.7%
82.7%	367	370	3	0.8%
84.0%	367	366	0	0.0%
85.2%	365	366	1	0.3%
86.4%	365	364	-1	-0.2%
87.7%	363	364	1	0.3%
88.9%	362	364	2	0.5%
90.1%	359	362	3	0.8%
91.4%	359	358	-1	-0.2%
92.6%	358	358	0	0.1%
93.8%	356	358	2	0.5%
95.1%	352	358	6	1.8%
96.3%	350	356	6	1.8%
97.5%	350	352	2	0.7%
98.8%	348	347	-1	-0.3%
100.0%	339	347	8	2.3%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	525	2	0.3%
1.2%	513	514	1	0.2%
2.5%	494	491	-3	-0.5%
3.7%	471	461	-9	-2.0%
4.9%	462	461	-1	-0.2%
6.2%	461	461	0	0.1%
7.4%	460	461	1	0.2%
8.6%	458	455	-3	-0.7%
9.9%	458	453	-5	-1.1%
11.1%	458	451	-7	-1.5%
12.3%	455	451	-4	-0.8%
13.6%	451	446	-5	-1.1%
14.8%	443	442	-1	-0.2%
16.0%	439	441	3	0.6%
17.3%	436	438	2	0.6%
18.5%	436	438	2	0.5%
19.8%	435	434	-1	-0.2%
21.0%	434	430	-4	-0.9%
22.2%	433	429	-4	-1.0%
23.5%	432	425	-7	-1.6%
24.7%	429	425	-4	-0.9%
25.9%	429	424	-6	-1.3%
27.2%	424	423	0	0.0%
28.4%	422	418	-5	-1.1%
29.6%	421	417	-4	-0.9%
30.9%	420	416	-4	-1.0%
32.1%	420	413	-7	-1.7%
33.3%	420	412	-8	-1.9%
34.6%	420	411	-9	-2.1%
35.8%	416	408	-8	-1.9%
37.0%	416	406	-9	-2.2%
38.3%	415	404	-11	-2.7%
39.5%	415	403	-12	-2.8%
40.7%	413	403	-10	-2.5%
42.0%	413	401	-12	-3.0%
43.2%	413	401	-13	-3.0%
44.4%	409	400	-9	-2.2%
45.7%	407	398	-9	-2.2%
46.9%	406	397	-9	-2.1%
48.1%	402	396	-5	-1.4%
49.4%	401	394	-7	-1.8%
50.6%	401	394	-7	-1.8%
51.9%	401	393	-8	-2.0%
53.1%	401	392	-9	-2.2%
54.3%	400	392	-8	-2.1%
55.6%	397	391	-6	-1.6%
56.8%	397	389	-7	-1.8%
58.0%	396	387	-8	-2.1%
59.3%	394	387	-7	-1.7%
60.5%	390	385	-5	-1.3%
61.7%	387	384	-3	-0.8%
63.0%	382	384	3	0.7%
64.2%	380	384	4	1.0%
65.4%	379	383	4	1.1%
66.7%	379	380	1	0.4%
67.9%	376	379	3	0.9%
69.1%	375	377	2	0.5%
70.4%	373	373	0	-0.1%
71.6%	372	373	1	0.2%
72.8%	369	372	3	0.8%
74.1%	368	366	-2	-0.6%
75.3%	367	366	-2	-0.4%
76.5%	365	365	0	0.1%
77.8%	365	364	-1	-0.3%
79.0%	364	363	-1	-0.2%
80.2%	361	363	1	0.4%
81.5%	360	361	1	0.3%
82.7%	359	361	2	0.5%
84.0%	358	361	3	0.8%
85.2%	358	361	3	0.9%
86.4%	355	359	4	1.0%
87.7%	355	358	3	0.9%
88.9%	354	357	3	0.9%
90.1%	353	357	4	1.2%
91.4%	352	354	2	0.5%
92.6%	352	351	-1	-0.3%
93.8%	347	348	1	0.3%
95.1%	346	345	-1	-0.3%
96.3%	345	341	-4	-1.3%
97.5%	345	341	-4	-1.3%
98.8%	336	340	4	1.1%
100.0%	331	336	5	1.4%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	509	511	2	0.3%
1.2%	494	495	1	0.2%
2.5%	473	471	-2	-0.4%
3.7%	458	448	-10	-2.2%
4.9%	449	445	-4	-0.9%
6.2%	448	444	-3	-0.7%
7.4%	446	442	-4	-0.9%
8.6%	438	438	0	0.0%
9.9%	437	431	-6	-1.3%
11.1%	436	424	-11	-2.6%
12.3%	429	422	-6	-1.5%
13.6%	426	422	-3	-0.8%
14.8%	426	420	-6	-1.4%
16.0%	425	419	-6	-1.4%
17.3%	422	417	-5	-1.2%
18.5%	421	417	-4	-1.0%
19.8%	420	415	-5	-1.1%
21.0%	419	414	-5	-1.2%
22.2%	419	413	-6	-1.3%
23.5%	417	412	-5	-1.1%
24.7%	415	411	-3	-0.8%
25.9%	415	411	-3	-0.8%
27.2%	413	411	-3	-0.6%
28.4%	413	410	-3	-0.7%
29.6%	412	409	-4	-0.9%
30.9%	412	407	-5	-1.2%
32.1%	411	406	-5	-1.3%
33.3%	409	405	-4	-0.9%
34.6%	406	405	-1	-0.3%
35.8%	405	405	0	0.1%
37.0%	404	402	-2	-0.4%
38.3%	403	400	-3	-0.6%
39.5%	402	399	-4	-0.9%
40.7%	401	398	-3	-0.9%
42.0%	401	397	-4	-0.9%
43.2%	401	397	-4	-1.0%
44.4%	400	396	-4	-1.0%
45.7%	397	395	-2	-0.5%
46.9%	396	395	-1	-0.3%
48.1%	395	394	-2	-0.4%
49.4%	394	391	-3	-0.8%
50.6%	394	390	-4	-1.0%
51.9%	394	390	-3	-0.8%
53.1%	393	388	-6	-1.5%
54.3%	392	387	-5	-1.3%
55.6%	389	386	-3	-0.8%
56.8%	387	386	-1	-0.2%
58.0%	385	386	1	0.2%
59.3%	384	384	0	0.0%
60.5%	384	383	-1	-0.2%
61.7%	381	382	0	0.1%
63.0%	376	380	4	1.0%
64.2%	376	378	2	0.5%
65.4%	376	377	1	0.3%
66.7%	375	374	-1	-0.3%
67.9%	375	374	-1	-0.3%
69.1%	374	373	-1	-0.3%
70.4%	373	373	-1	-0.2%
71.6%	373	372	-1	-0.3%
72.8%	370	371	1	0.3%
74.1%	370	371	1	0.2%
75.3%	369	367	-2	-0.5%
76.5%	369	366	-3	-0.9%
77.8%	368	365	-4	-1.0%
79.0%	366	364	-2	-0.5%
80.2%	366	364	-2	-0.4%
81.5%	365	363	-3	-0.7%
82.7%	362	363	1	0.1%
84.0%	361	361	0	0.0%
85.2%	359	358	-1	-0.3%
86.4%	359	357	-2	-0.7%
87.7%	358	355	-3	-0.8%
88.9%	356	355	-1	-0.2%
90.1%	355	355	-1	-0.2%
91.4%	355	352	-3	-0.8%
92.6%	355	351	-3	-1.0%
93.8%	349	349	0	0.1%
95.1%	347	348	0	0.1%
96.3%	346	347	1	0.2%
97.5%	344	347	3	0.8%
98.8%	340	340	-1	-0.2%
100.0%	331	338	7	2.1%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Elevation (FEET)	Alternative D End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	518	518	1	0.2%
1.2%	463	496	34	7.3%
2.5%	459	474	15	3.3%
3.7%	457	462	5	1.1%
4.9%	449	461	12	2.7%
6.2%	446	454	8	1.7%
7.4%	445	448	2	0.5%
8.6%	440	445	4	1.0%
9.9%	438	438	-1	-0.2%
11.1%	435	435	0	0.0%
12.3%	434	431	-3	-0.8%
13.6%	434	430	-4	-1.0%
14.8%	433	429	-5	-1.1%
16.0%	428	428	-1	-0.2%
17.3%	428	427	0	-0.1%
18.5%	426	426	0	0.1%
19.8%	426	426	0	0.0%
21.0%	424	424	-1	-0.1%
22.2%	424	423	-2	-0.4%
23.5%	424	421	-3	-0.7%
24.7%	424	421	-3	-0.7%
25.9%	421	420	-1	-0.3%
27.2%	421	420	-1	-0.3%
28.4%	421	420	-1	-0.2%
29.6%	420	420	-1	-0.1%
30.9%	420	419	-1	-0.2%
32.1%	420	419	-1	-0.2%
33.3%	419	418	-1	-0.3%
34.6%	419	417	-2	-0.5%
35.8%	417	416	-1	-0.2%
37.0%	416	414	-2	-0.5%
38.3%	416	414	-2	-0.4%
39.5%	415	413	-2	-0.5%
40.7%	414	413	-1	-0.2%
42.0%	412	412	0	-0.1%
43.2%	410	410	0	0.0%
44.4%	410	410	0	0.0%
45.7%	410	410	0	-0.1%
46.9%	408	409	1	0.1%
48.1%	407	408	2	0.4%
49.4%	406	407	1	0.2%
50.6%	405	407	2	0.4%
51.9%	404	406	2	0.5%
53.1%	404	406	2	0.5%
54.3%	404	405	1	0.2%
55.6%	404	405	1	0.2%
56.8%	404	405	1	0.3%
58.0%	403	402	-1	-0.3%
59.3%	400	402	2	0.4%
60.5%	400	401	1	0.2%
61.7%	399	401	1	0.3%
63.0%	394	400	6	1.5%
64.2%	394	397	3	0.8%
65.4%	393	396	3	0.8%
66.7%	392	393	0	0.1%
67.9%	392	390	-2	-0.4%
69.1%	391	389	-3	-0.6%
70.4%	390	388	-2	-0.5%
71.6%	387	388	1	0.2%
72.8%	387	385	-1	-0.3%
74.1%	385	385	0	-0.1%
75.3%	385	383	-2	-0.5%
76.5%	382	380	-3	-0.7%
77.8%	382	379	-2	-0.6%
79.0%	380	377	-3	-0.8%
80.2%	379	376	-2	-0.6%
81.5%	378	376	-2	-0.6%
82.7%	374	375	2	0.5%
84.0%	373	375	3	0.7%
85.2%	372	374	2	0.5%
86.4%	372	373	2	0.4%
87.7%	368	372	4	1.1%
88.9%	367	371	3	0.9%
90.1%	365	370	6	1.5%
91.4%	361	370	9	2.4%
92.6%	361	366	5	1.3%
93.8%	361	365	4	1.2%
95.1%	361	362	1	0.4%
96.3%	360	362	2	0.6%
97.5%	358	356	-2	-0.5%
98.8%	356	354	-3	-0.7%
100.0%	340	346	6	1.7%

Table SW-43-9a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
No Action Alternative	8,446	9,000	10,242	10,894	11,302	11,556	10,908	9,799	8,273	7,838	7,568	8,067
Alternative D	8,567	9,332	10,463	11,086	11,457	11,630	10,965	9,833	8,215	7,727	7,472	8,114
Difference	122	333	221	192	155	74	57	34	-57	-111	-96	47
Percent Difference[3]	1.4%	3.7%	2.2%	1.8%	1.4%	0.6%	0.5%	0.3%	-0.7%	-1.4%	-1.3%	0.6%
	Water Year Types[2]											
Wet (32%)												
No Action Alternative	8,966	9,060	10,280	11,121	11,636	12,075	11,420	10,383	9,296	8,678	8,386	8,914
Alternative D	9,412	9,613	10,761	11,338	11,778	12,139	11,489	10,453	9,330	8,694	8,318	8,987
Difference	446	553	480	217	143	64	69	70	33	17	-68	73
Percent Difference	5.0%	6.1%	4.7%	1.9%	1.2%	0.5%	0.6%	0.7%	0.4%	0.2%	-0.8%	0.8%
Above Normal (15%)												
No Action Alternative	8,356	8,725	10,094	10,680	11,107	11,509	10,734	9,404	8,014	7,151	6,996	7,768
Alternative D	8,800	9,550	10,696	10,965	11,314	11,654	10,900	9,621	8,072	7,344	7,183	8,188
Difference	444	825	602	286	207	146	166	217	58	193	187	420
Percent Difference	5.3%	9.5%	6.0%	2.7%	1.9%	1.3%	1.5%	2.3%	0.7%	2.7%	2.7%	5.4%
Below Normal (17%)												
No Action Alternative	8,523	9,658	10,732	10,906	11,239	11,472	10,751	9,448	7,523	7,170	6,998	7,755
Alternative D	8,762	9,924	10,978	11,138	11,444	11,613	10,881	9,599	7,675	7,367	7,181	7,958
Difference	239	266	246	232	205	141	130	150	152	197	183	203
Percent Difference	2.8%	2.8%	2.3%	2.1%	1.8%	1.2%	1.2%	1.6%	2.0%	2.7%	2.6%	2.6%
Dry (22%)												
No Action Alternative	8,086	8,952	10,139	11,007	11,359	11,414	10,746	9,561	7,461	7,377	7,282	7,640
Alternative D	7,617	8,908	10,011	11,135	11,449	11,399	10,688	9,419	7,096	6,732	6,658	7,278
Difference	-469	-44	-127	128	90	-14	-59	-142	-364	-645	-624	-362
Percent Difference	-5.8%	-0.5%	-1.3%	1.2%	0.8%	-0.1%	-0.5%	-1.5%	-4.9%	-8.7%	-8.6%	-4.7%
Critical (15%)												
No Action Alternative	7,858	8,446	9,893	10,436	10,762	10,788	10,395	9,691	8,406	8,180	7,460	7,535
Alternative D	7,702	8,452	9,664	10,531	10,931	10,865	10,410	9,594	8,253	7,929	7,490	7,584
Difference	-155	6	-229	95	169	77	15	-97	-153	-251	29	49
Percent Difference	-2.0%	0.1%	-2.3%	0.9%	1.6%	0.7%	0.1%	-1.0%	-1.8%	-3.1%	0.4%	0.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Figure SW-43-9b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

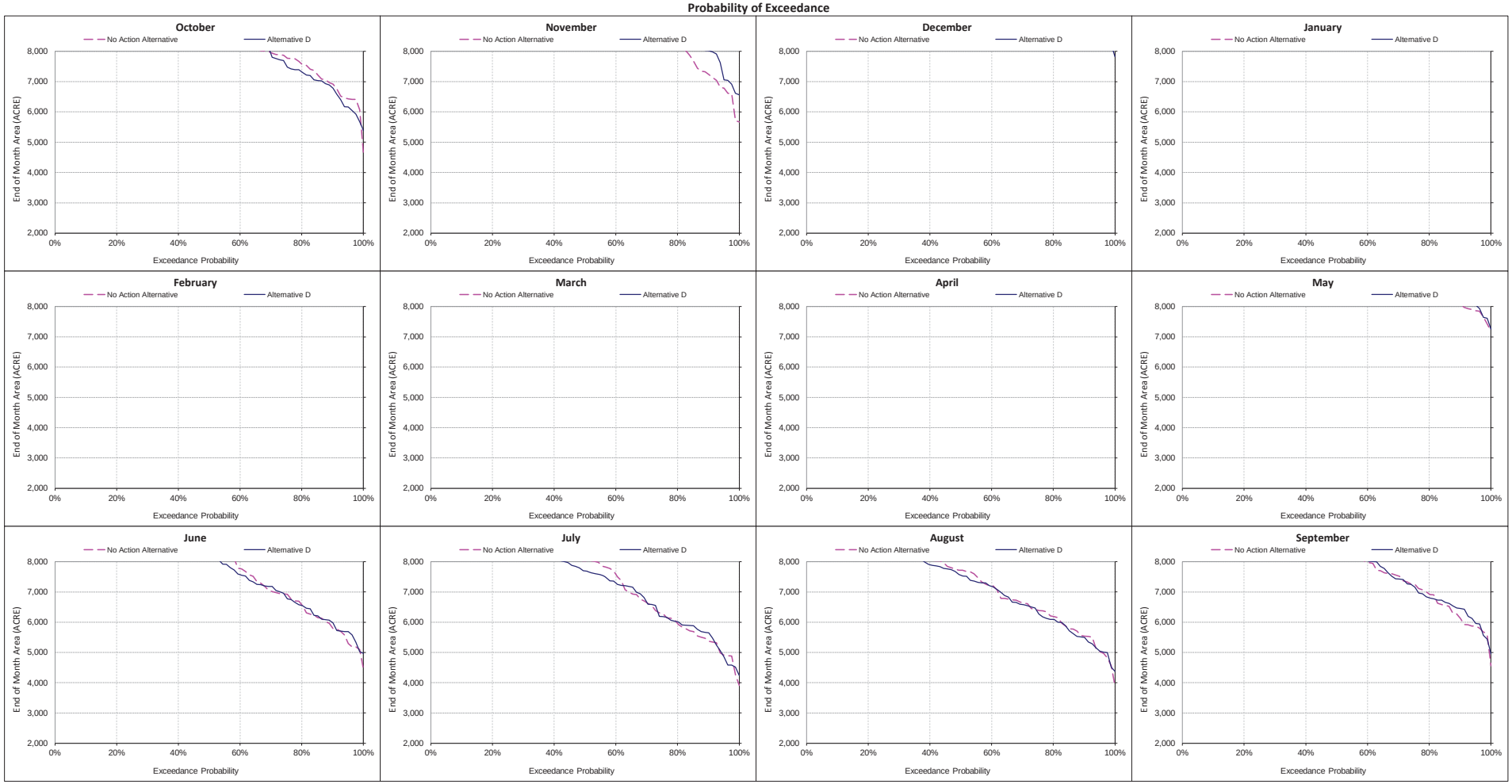

Table SW-43-9b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,351	12,371	19	0.2%
1.2%	10,811	11,784	974	9.0%
2.5%	10,695	11,128	433	4.0%
3.7%	10,581	10,693	113	1.1%
4.9%	10,347	10,568	221	2.1%
6.2%	10,051	10,522	472	4.7%
7.4%	10,022	10,217	195	1.9%
8.6%	9,830	9,873	43	0.4%
9.9%	9,759	9,739	-20	-0.2%
11.1%	9,692	9,688	-4	0.0%
12.3%	9,530	9,666	136	1.4%
13.6%	9,468	9,564	97	1.0%
14.8%	9,410	9,559	150	1.6%
16.0%	9,407	9,530	124	1.3%
17.3%	9,390	9,522	133	1.4%
18.5%	9,377	9,505	128	1.4%
19.8%	9,347	9,481	134	1.4%
21.0%	9,310	9,472	162	1.7%
22.2%	9,245	9,463	219	2.4%
23.5%	9,234	9,453	219	2.4%
24.7%	9,208	9,453	245	2.7%
25.9%	9,191	9,415	224	2.4%
27.2%	9,156	9,364	209	2.3%
28.4%	9,152	9,355	202	2.2%
29.6%	9,132	9,352	220	2.4%
30.9%	9,091	9,346	255	2.8%
32.1%	8,991	9,317	326	3.6%
33.3%	8,917	9,311	394	4.4%
34.6%	8,884	9,292	407	4.6%
35.8%	8,856	9,244	388	4.4%
37.0%	8,849	9,090	242	2.7%
38.3%	8,786	9,087	301	3.4%
39.5%	8,753	9,069	316	3.6%
40.7%	8,700	9,009	309	3.5%
42.0%	8,685	8,993	309	3.6%
43.2%	8,654	8,961	307	3.5%
44.4%	8,644	8,955	311	3.6%
45.7%	8,619	8,937	318	3.7%
46.9%	8,572	8,886	314	3.7%
48.1%	8,511	8,872	361	4.2%
49.4%	8,460	8,807	347	4.1%
50.6%	8,416	8,800	384	4.6%
51.9%	8,410	8,768	359	4.3%
53.1%	8,359	8,741	382	4.6%
54.3%	8,347	8,672	324	3.9%
55.6%	8,345	8,614	269	3.2%
56.8%	8,331	8,583	251	3.0%
58.0%	8,322	8,579	257	3.1%
59.3%	8,236	8,567	331	4.0%
60.5%	8,193	8,514	321	3.9%
61.7%	8,175	8,480	305	3.7%
63.0%	8,145	8,467	322	4.0%
64.2%	8,094	8,378	284	3.5%
65.4%	8,072	8,371	299	3.7%
66.7%	8,025	8,250	225	2.8%
67.9%	8,014	8,157	143	1.8%
69.1%	7,996	8,157	160	2.0%
70.4%	7,941	7,805	-136	-1.7%
71.6%	7,901	7,764	-136	-1.7%
72.8%	7,887	7,721	-166	-2.1%
74.1%	7,876	7,694	-182	-2.3%
75.3%	7,772	7,477	-295	-3.8%
76.5%	7,764	7,423	-342	-4.4%
77.8%	7,752	7,394	-358	-4.6%
79.0%	7,671	7,393	-278	-3.6%
80.2%	7,557	7,304	-253	-3.3%
81.5%	7,535	7,222	-313	-4.1%
82.7%	7,411	7,201	-210	-2.8%
84.0%	7,365	7,058	-307	-4.2%
85.2%	7,222	7,038	-184	-2.5%
86.4%	7,088	7,026	-62	-0.9%
87.7%	7,066	6,936	-130	-1.8%
88.9%	6,969	6,894	-75	-1.1%
90.1%	6,913	6,783	-130	-1.9%
91.4%	6,756	6,585	-171	-2.5%
92.6%	6,526	6,408	-118	-1.8%
93.8%	6,463	6,171	-292	-4.5%
95.1%	6,429	6,164	-265	-4.1%
96.3%	6,415	6,047	-368	-5.7%
97.5%	6,410	5,926	-484	-7.6%
98.8%	6,073	5,681	-392	-6.5%
100.0%	4,642	5,383	741	16.0%

November				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	11,527	11,478	-49	-0.4%
2.5%	11,163	11,119	-44	-0.4%
3.7%	10,750	10,941	191	1.8%
4.9%	10,695	10,802	107	1.0%
6.2%	10,689	10,733	44	0.4%
7.4%	10,572	10,661	88	0.8%
8.6%	10,506	10,623	117	1.1%
9.9%	10,501	10,485	-16	-0.2%
11.1%	10,425	10,444	19	0.2%
12.3%	10,410	10,395	-15	-0.1%
13.6%	10,307	10,366	60	0.6%
14.8%	10,269	10,297	28	0.3%
16.0%	10,194	10,273	79	0.8%
17.3%	10,010	10,272	263	2.6%
18.5%	9,963	10,217	254	2.6%
19.8%	9,871	10,207	336	3.4%
21.0%	9,863	10,194	331	3.4%
22.2%	9,831	10,172	341	3.5%
23.5%	9,783	10,171	387	4.0%
24.7%	9,776	10,139	363	3.7%
25.9%	9,734	10,115	381	3.9%
27.2%	9,721	10,090	369	3.8%
28.4%	9,699	10,072	373	3.8%
29.6%	9,686	10,034	348	3.6%
30.9%	9,630	9,996	367	3.8%
32.1%	9,624	9,984	359	3.7%
33.3%	9,572	9,963	391	4.1%
34.6%	9,543	9,937	394	4.1%
35.8%	9,541	9,936	395	4.1%
37.0%	9,534	9,897	363	3.8%
38.3%	9,503	9,882	378	4.0%
39.5%	9,491	9,879	388	4.1%
40.7%	9,470	9,844	374	4.0%
42.0%	9,307	9,840	533	5.7%
43.2%	9,304	9,739	434	4.7%
44.4%	9,266	9,724	457	4.9%
45.7%	9,260	9,710	450	4.9%
46.9%	9,237	9,627	390	4.2%
48.1%	9,130	9,606	476	5.2%
49.4%	9,118	9,589	471	5.2%
50.6%	9,050	9,469	420	4.6%
51.9%	9,007	9,404	397	4.4%
53.1%	8,988	9,376	389	4.3%
54.3%	8,987	9,354	366	4.1%
55.6%	8,884	9,289	404	4.6%
56.8%	8,871	9,267	396	4.5%
58.0%	8,796	9,233	437	5.0%
59.3%	8,786	9,214	428	4.9%
60.5%	8,747	9,157	410	4.7%
61.7%	8,732	9,111	379	4.3%
63.0%	8,696	9,067	371	4.3%
64.2%	8,680	9,009	329	3.8%
65.4%	8,612	8,847	235	2.7%
66.7%	8,522	8,811	290	3.4%
67.9%	8,516	8,772	256	3.0%
69.1%	8,494	8,766	273	3.2%
70.4%	8,467	8,748	281	3.3%
71.6%	8,455	8,577	122	1.4%
72.8%	8,453	8,555	102	1.2%
74.1%	8,437	8,534	97	1.1%
75.3%	8,370	8,494	124	1.5%
76.5%	8,311	8,406	95	1.1%
77.8%	8,210	8,324	114	1.4%
79.0%	8,205	8,270	65	0.8%
80.2%	8,140	8,227	87	1.1%
81.5%	8,103	8,210	107	1.3%
82.7%	8,012	8,209	197	2.5%
84.0%	7,867	8,209	342	4.3%
85.2%	7,667	8,177	510	6.7%
86.4%	7,444	8,147	703	9.4%
87.7%	7,341	8,086	745	10.1%
88.9%	7,329	8,033	704	9.6%
90.1%	7,235	8,023	789	10.9%
91.4%	7,139	7,983	844	11.8%
92.6%	7,039	7,918	879	12.5%
93.8%	6,817	7,629	811	11.9%
95.1%	6,779	7,057	278	4.1%
96.3%	6,618	7,039	421	6.4%
97.5%	6,605	6,914	309	4.7%
98.8%	5,711	6,614	903	15.8%
100.0%	5,669	6,565	896	15.8%

December				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,361	12,285	-76	-0.6%
2.5%	11,935	11,978	42	0.4%
3.7%	11,889	11,902	12	0.1%
4.9%	11,743	11,894	152	1.3%
6.2%	11,714	11,739	25	0.2%
7.4%	11,510	11,657	147	1.3%
8.6%	11,476	11,634	158	1.4%
9.9%	11,467	11,629	162	1.4%
11.1%	11,458	11,579	121	1.1%
12.3%	11,419	11,568	149	1.3%
13.6%	11,399	11,525	127	1.1%
14.8%	11,368	11,513	145	1.3%
16.0%	11,364	11,342	-23	-0.2%
17.3%	11,251	11,289	37	0.3%
18.5%	11,224	11,281	57	0.5%
19.8%	11,190	11,265	74	0.7%
21.0%	11,084	11,251	166	1.5%
22.2%	10,983	11,169	186	1.7%
23.5%	10,955	11,104	149	1.4%
24.7%	10,951	11,088	137	1.2%
25.9%	10,872	11,074	202	1.9%
27.2%	10,849	11,070	220	2.0%
28.4%	10,813	11,045	232	2.1%
29.6%	10,780	11,044	264	2.5%
30.9%	10,737	11,009	272	2.5%
32.1%	10,731	10,989	257	2.4%
33.3%	10,675	10,975	300	2.8%
34.6%	10,644	10,948	304	2.9%
35.8%	10,638	10,936	297	2.8%
37.0%	10,633	10,934	301	2.8%
38.3%	10,623	10,875	252	2.4%
39.5%	10,575	10,871	297	2.8%
40.7%	10,474	10,790	317	3.0%
42.0%	10,451	10,782	331	3.2%
43.2%	10,440	10,773	334	3.2%
44.4%	10,421	10,748	327	3.1%
45.7%	10,350	10,741	391	3.8%
46.9%	10,328	10,733	406	3.9%
48.1%	10,300	10,657	357	3.5%
49.4%	10,257	10,645	387	3.8%
50.6%	10,239	10,623	384	3.7%
51.9%	10,231	10,622	391	3.8%
53.1%	10,226	10,605	379	3.7%
54.3%	10,190	10,601	411	4.0%
55.6%	10,147	10,584	437	4.3%
56.8%	10,116	10,578	462	4.6%
58.0%	10,082	10,538	456	4.5%
59.3%	10,078	10,529	451	4.5%
60.5%	10,070	10,464	394	3.9%
61.7%	10,062	10,435	373	3.7%
63.0%	10,043	10,427	384	3.8%
64.2%	10,017	10,385	368	3.7%
65.4%	9,976	10,222	246	2.5%
66.7%	9,961	10,140	179	1.8%
67.9%	9,954	10,127	173	1.7%
69.1%	9,935	10,113	178	1.8%
70.4%	9,911	10,080	169	1.7%
71.6%	9,808	10,012	204	2.1%
72.8%	9,774	9,913	139	1.4%
74.1%	9,603	9,849	246	2.6%
75.3%	9,523	9,751	228	2.4%
76.5%	9,431	9,595	164	1.7%
77.8%	9,400	9,484	84	0.9%
79.0%	9,387	9,473	86	0.9%
80.2%	9,371	9,458	86	0.9%
81.5%	9,307	9,442	135	1.4%
82.7%	9,203	9,431	228	2.5%
84.0%	9,147	9,416	269	2.9%
85.2%	9,006	9,253	247	2.7%
86.4%	8,956	9,207	252	2.8%
87.7%	8,934	9,117	183	2.1%
88.9%	8,895	9,064	169	1.9%
90.1%	8,789	9,035	247	2.8%
91.4%	8,706	8,924	217	2.5%
92.6%	8,634	8,915	281	3.3%
93.8%	8,558	8,889	331	3.9%
95.1%	8,486	8,785	298	3.5%
96.3%	8,249	8,491	242	2.9%
97.5%	8,196	8,335	139	1.7%
98.8%	8,123	8,233	110	1.4%
100.0%	8,120	7,818	-302	-3.7%

January				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,644	-52	-0.4%
3.7%	12,648	12,565	-83	-0.7%
4.9%	12,508	12,481	-27	-0.2%
6.2%	12,332	12,407	75	0.6%
7.4%	12,293	12,163	-130	-1.1%
8.6%	12,155	12,130	-25	-0.2%
9.9%	12,112	12,096	-16	-0.1%
11.1%	12,000	12,082	82	0.7%
12.3%	11,980	12,058	78	0.7%
13.6%	11,979	12,032	53	0.4%
14.8%	11,969	11,999	29	0.2%
16.0%	11,940	11,916	-24	-0.2%
17.3%	11,929	11,908	-22	-0.2%
18.5%	11,921	11,888	-33	-0.3%
19.8%	11,898	11,832	-65	-0.5%
21.0%	11,885	11,817	-68	-0.6%
22.2%	11,786	11,789	3	0.0%
23.5%	11,779	11,778	-1	0.0%
24.7%	11,696	11,769	73	0.6%
25.9%	11,579	11,702	123	1.1%
27.2%	11,524	11,676	151	1.3%
28.4%	11,518	11,654	135	1.2%
29.6%	11,500	11,648	148	1.3%
30.9%	11,499	11,618	119	1.0%
32.1%	11,441	11,608	167	1.5%
33.3%	11,438	11,591	153	1.3%
34.6%	11,419	11,533	113	1.0%
35.8%	11,348	11,511	163	1.4%
37.0%	11,335	11,507	173	1.5%
38.3%	11,334	11,427	93	0.8%
39.5%	11,274	11,398	123	1.1%
40.7%	11,235	11,389	154	1.4%
42.0%	11,164	11,386	221	2.0%
43.2%	11,053	11,377	324	2.9%
44.4%	11,046	11,373	327	3.0%
45.7%	11,015	11,359	344	3.1%
46.9%	10,988	11,298	310	2.8%
48.1%	10,959	11,276	316	2.9%
49.4%	10,958	11,252	294	2.7%
50.6%	10,886	11,134	248	2.3%
51.9%	10,879	11,120	242	2.2%
53.1%	10,825	11,101	275	2.5%
54.3%	10,792	11,074	282	2.6%
55.6%	10,748	11,068	320	3.0%
56.8%	10,715	11,059	343	3.2%
58.0%	10,670	11,058	388	3.6%
59.3%	10,652	11,028	376	3.5%
60.5%	10,651	11,021	370	3.5%
61.7%	10,651	10,996	345	3.2%
63.0%	10,633	10,926	293	2.8%
64.2%	10,547	10,905	358	3.4%
65.4%	10,526	10,895	370	3.5%
66.7%	10,455	10,856	401	3.8%
67.9%	10,421	10,806	385	3.7%
69.1%	10,323	10,736	413	4.0%
70.4%	10,292	10,589	297	2.9%
71.6%	10,265	10,515	249	2.4%
72.8%	10,252	10,494	242	2.4%
74.1%	10,232	10,405	173	1.7%
75.3%	10,185	10,364	179	1.8%
76.5%	10,185	10,360	176	1.7%
77.8%	10,124	10,343	219	2.2%
79.0%	10,084	10,332	248	2.5%
80.2%	9,972	10,237	266	2.7%
81.5%	9,870	10,138	268	2.7%
82.7%	9,856	10,126	270	2.7%
84.0%	9,850	10,124	275	2.8%
85.2%	9,831	10,122	291	3.0%
86.4%	9,831	9,927	96	1.0%
87.7%	9,703	9,921	218	2.2%
88.9%	9,640	9,910	270	2.8%
90.1%	9,560	9,883	323	3.4%
91.4%	9,515	9,867	352	3.7%
92.6%	9,357	9,680	323	3.5%
93.8%	9,238	9,489	251	2.7%
95.1%	9,218	9,358	140	1.5%
96.3%	8,927	9,347	419	4.7%
97.5%	8,848	9,343	495	5.6%
98.8%	8,826	9,284	458	5.2%
100.0%	8,777	8,818	41	0.5%

Table SW-43-9b

San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,693	-3	0.0%
9.9%	12,696	12,632	-64	-0.5%
11.1%	12,509	12,549	40	0.3%
12.3%	12,444	12,542	98	0.8%
13.6%	12,443	12,495	52	0.4%
14.8%	12,412	12,493	81	0.7%
16.0%	12,409	12,411	2	0.0%
17.3%	12,399	12,397	-2	0.0%
18.5%	12,373	12,369	-4	0.0%
19.8%	12,365	12,313	-52	-0.4%
21.0%	12,364	12,307	-58	-0.5%
22.2%	12,261	12,191	-70	-0.6%
23.5%	12,195	12,183	-11	-0.1%
24.7%	12,155	12,166	12	0.1%
25.9%	12,122	12,165	43	0.4%
27.2%	12,094	12,085	-9	-0.1%
28.4%	12,031	12,047	17	0.1%
29.6%	12,018	11,938	-80	-0.7%
30.9%	11,984	11,865	-120	-1.0%
32.1%	11,902	11,833	-69	-0.6%
33.3%	11,846	11,833	-13	-0.1%
34.6%	11,825	11,820	-5	0.0%
35.8%	11,824	11,796	-28	-0.2%
37.0%	11,803	11,788	-15	-0.1%
38.3%	11,730	11,721	-10	-0.1%
39.5%	11,615	11,694	79	0.7%
40.7%	11,528	11,684	156	1.4%
42.0%	11,512	11,668	156	1.4%
43.2%	11,509	11,630	121	1.1%
44.4%	11,485	11,615	130	1.1%
45.7%	11,420	11,611	192	1.7%
46.9%	11,400	11,592	193	1.7%
48.1%	11,353	11,581	228	2.0%
49.4%	11,302	11,564	262	2.3%
50.6%	11,298	11,538	240	2.1%
51.9%	11,274	11,493	219	1.9%
53.1%	11,227	11,477	250	2.2%
54.3%	11,225	11,470	245	2.2%
55.6%	11,166	11,409	243	2.2%
56.8%	11,110	11,344	234	2.1%
58.0%	11,109	11,283	174	1.6%
59.3%	11,045	11,279	235	2.1%
60.5%	11,021	11,277	257	2.3%
61.7%	10,994	11,247	252	2.3%
63.0%	10,915	11,232	316	2.9%
64.2%	10,912	11,202	290	2.7%
65.4%	10,840	11,179	338	3.1%
66.7%	10,819	11,165	346	3.2%
67.9%	10,816	11,079	263	2.4%
69.1%	10,755	11,068	313	2.9%
70.4%	10,704	11,023	320	3.0%
71.6%	10,689	10,985	297	2.8%
72.8%	10,671	10,956	285	2.7%
74.1%	10,641	10,943	302	2.8%
75.3%	10,585	10,923	338	3.2%
76.5%	10,584	10,903	320	3.0%
77.8%	10,559	10,800	241	2.3%
79.0%	10,469	10,745	276	2.6%
80.2%	10,453	10,675	222	2.1%
81.5%	10,341	10,665	324	3.1%
82.7%	10,316	10,652	336	3.3%
84.0%	10,275	10,555	279	2.7%
85.2%	10,184	10,553	369	3.6%
86.4%	10,180	10,552	371	3.6%
87.7%	10,063	10,372	309	3.1%
88.9%	10,018	10,362	344	3.4%
90.1%	10,017	10,359	342	3.4%
91.4%	10,012	10,326	314	3.1%
92.6%	9,933	10,233	299	3.0%
93.8%	9,858	10,172	315	3.2%
95.1%	9,606	10,144	538	5.6%
96.3%	9,601	9,638	37	0.4%
97.5%	9,528	9,430	-97	-1.0%
98.8%	9,079	9,328	249	2.7%
100.0%	8,972	9,286	314	3.5%

March

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,574	12,696	121	1.0%
16.0%	12,554	12,693	139	1.1%
17.3%	12,523	12,594	71	0.6%
18.5%	12,515	12,574	59	0.5%
19.8%	12,462	12,508	46	0.4%
21.0%	12,355	12,496	141	1.1%
22.2%	12,331	12,475	144	1.2%
23.5%	12,326	12,411	86	0.7%
24.7%	12,315	12,399	84	0.7%
25.9%	12,261	12,390	130	1.1%
27.2%	12,226	12,339	113	0.9%
28.4%	12,203	12,283	80	0.7%
29.6%	12,188	12,270	82	0.7%
30.9%	12,188	12,256	69	0.6%
32.1%	12,161	12,233	72	0.6%
33.3%	12,151	12,162	11	0.1%
34.6%	12,143	12,099	-45	-0.4%
35.8%	12,132	12,069	-63	-0.5%
37.0%	12,113	12,031	-82	-0.7%
38.3%	12,103	12,013	-90	-0.7%
39.5%	12,102	11,983	-119	-1.0%
40.7%	12,079	11,893	-186	-1.5%
42.0%	12,056	11,845	-211	-1.8%
43.2%	11,940	11,833	-107	-0.9%
44.4%	11,927	11,791	-137	-1.1%
45.7%	11,877	11,776	-100	-0.8%
46.9%	11,756	11,773	18	0.2%
48.1%	11,693	11,758	65	0.6%
49.4%	11,674	11,681	7	0.1%
50.6%	11,665	11,636	-29	-0.3%
51.9%	11,649	11,622	-27	-0.2%
53.1%	11,637	11,615	-22	-0.2%
54.3%	11,611	11,564	-47	-0.4%
55.6%	11,586	11,547	-39	-0.3%
56.8%	11,571	11,545	-26	-0.2%
58.0%	11,529	11,537	8	0.1%
59.3%	11,463	11,531	68	0.6%
60.5%	11,369	11,445	76	0.7%
61.7%	11,327	11,433	106	0.9%
63.0%	11,234	11,370	136	1.2%
64.2%	11,156	11,286	130	1.2%
65.4%	11,152	11,261	109	1.0%
66.7%	11,127	11,257	130	1.2%
67.9%	11,114	11,210	96	0.9%
69.1%	11,064	11,187	123	1.1%
70.4%	11,056	11,183	127	1.1%
71.6%	10,990	11,165	175	1.6%
72.8%	10,961	11,123	162	1.5%
74.1%	10,952	11,122	170	1.6%
75.3%	10,901	11,121	219	2.0%
76.5%	10,899	11,100	201	1.8%
77.8%	10,852	11,095	243	2.2%
79.0%	10,777	11,084	307	2.9%
80.2%	10,754	11,040	286	2.7%
81.5%	10,745	10,978	233	2.2%
82.7%	10,734	10,912	178	1.7%
84.0%	10,732	10,863	131	1.2%
85.2%	10,622	10,751	129	1.2%
86.4%	10,524	10,717	193	1.8%
87.7%	10,487	10,710	223	2.1%
88.9%	10,314	10,696	382	3.7%
90.1%	10,297	10,681	385	3.7%
91.4%	10,134	10,673	539	5.3%
92.6%	10,052	10,161	109	1.1%
93.8%	9,988	10,139	151	1.5%
95.1%	9,872	9,909	38	0.4%
96.3%	9,699	9,777	78	0.8%
97.5%	9,579	9,603	24	0.3%
98.8%	9,385	9,178	-207	-2.2%
100.0%	8,719	9,126	408	4.7%

April

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,397	12,401	4	0.0%
3.7%	12,234	12,188	-46	-0.4%
4.9%	12,199	12,163	-36	-0.3%
6.2%	12,180	12,160	-20	-0.2%
7.4%	12,167	12,146	-21	-0.2%
8.6%	12,144	12,134	-10	-0.1%
9.9%	12,013	12,100	87	0.7%
11.1%	11,986	12,063	78	0.6%
12.3%	11,981	12,047	66	0.5%
13.6%	11,964	12,031	67	0.6%
14.8%	11,952	11,979	27	0.2%
16.0%	11,942	11,968	26	0.2%
17.3%	11,911	11,961	50	0.4%
18.5%	11,878	11,904	26	0.2%
19.8%	11,861	11,900	39	0.3%
21.0%	11,780	11,877	97	0.8%
22.2%	11,773	11,837	63	0.5%
23.5%	11,719	11,802	83	0.7%
24.7%	11,710	11,800	90	0.8%
25.9%	11,701	11,780	80	0.7%
27.2%	11,691	11,760	69	0.6%
28.4%	11,677	11,709	32	0.3%
29.6%	11,635	11,656	21	0.2%
30.9%	11,602	11,542	-61	-0.5%
32.1%	11,560	11,530	-30	-0.3%
33.3%	11,538	11,515	-23	-0.2%
34.6%	11,446	11,439	-7	-0.1%
35.8%	11,382	11,401	19	0.2%
37.0%	11,381	11,382	2	0.0%
38.3%	11,366	11,375	9	0.1%
39.5%	11,363	11,330	-32	-0.3%
40.7%	11,352	11,328	-24	-0.2%
42.0%	11,329	11,209	-119	-1.1%
43.2%	11,266	11,179	-87	-0.8%
44.4%	11,258	11,158	-100	-0.9%
45.7%	11,216	11,112	-105	-0.9%
46.9%	11,162	11,054	-109	-1.0%
48.1%	11,107	11,012	-96	-0.9%
49.4%	11,094	10,979	-115	-1.0%
50.6%	10,988	10,889	-99	-0.9%
51.9%	10,958	10,842	-116	-1.1%
53.1%	10,881	10,812	-69	-0.6%
54.3%	10,862	10,804	-58	-0.5%
55.6%	10,820	10,793	-27	-0.2%
56.8%	10,798	10,789	-9	-0.1%
58.0%	10,778	10,720	-57	-0.5%
59.3%	10,774	10,717	-57	-0.5%
60.5%	10,728	10,714	-13	-0.1%
61.7%	10,600	10,642	41	0.4%
63.0%	10,557	10,626	69	0.7%
64.2%	10,550	10,615	65	0.6%
65.4%	10,462	10,578	115	1.1%
66.7%	10,333	10,534	200	1.9%
67.9%	10,248	10,431	183	1.8%
69.1%	10,214	10,425	211	2.1%
70.4%	10,202	10,388	186	1.8%
71.6%	10,192	10,367	175	1.7%
72.8%	10,158	10,366	208	2.1%
74.1%	10,143	10,359	216	2.1%
75.3%	10,119	10,349	231	2.3%
76.5%	10,107	10,337	229	2.3%
77.8%	10,104	10,320	216	2.1%
79.0%	10,098	10,275	176	1.7%
80.2%	10,091	10,235	144	1.4%
81.5%	10,090	10,185	95	0.9%
82.7%	10,051	10,169	118	1.2%
84.0%	9,943	10,094	151	1.5%
85.2%	9,809	10,021	212	2.2%
86.4%	9,802	9,960	157	1.6%
87.7%	9,771	9,958	187	1.9%
88.9%	9,745	9,948	203	2.1%
90.1%	9,598	9,935	337	3.5%
91.4%	9,489	9,860	371	3.9%
92.6%	9,374	9,430	57	0.6%
93.8%	9,201	9,363	163	1.8%
95.1%	9,197	9,314	117	1.3%
96.3%	9,161	9,174	13	0.1%
97.5%	8,960	9,038	78	0.9%
98.8%	8,816	8,728	-88	-1.0%
100.0%	8,342	8,726	385	4.6%

May

Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,691	-5	0.0%
1.2%	12,452	12,464	12	0.1%
2.5%	12,239	12,120	-119	-1.0%
3.7%	11,933	11,931	-2	0.0%
4.9%	11,592	11,562	-31	-0.3%
6.2%	11,450	11,460	11	0.1%
7.4%	11,421	11,419	-2	0.0%
8.6%	11,363	11,289	-75	-0.7%
9.9%	11,327	11,286	-41	-0.4%
11.1%	11,155	11,104	-51	-0.5%
12.3%	11,143	11,102	-41	-0.4%
13.6%	11,102	11,049	-53	-0.5%
14.8%	11,095	10,960	-134	-1.2%
16.0%	10,954	10,949	-5	0.0%
17.3%	10,943	10,941	-2	0.0%
18.5%	10,784	10,856	71	0.7%
19.8%	10,721	10,835	114	1.1%
21.0%	10,698	10,714	16	0.1%
22.2%	10,677	10,671	-6	-0.1%
23.5%	10,667	10,657	-10	-0.1%
24.7%	10,649	10,657	8	0.1%
25.9%	10,649	10,648	-1	0.0%
27.2%	10,637	10,596	-41	-0.4%
28.4%	10,616	10,573	-43	-0.4%
29.6%	10,614	10,561	-53	-0.5%
30.9%	10,485	10,545	60	0.6%
32.1%	10,422	10,532	109	1.0%
33.3%	10,367	10,511	144	1.4%
34.6%	10,343	10,484	140	1.4%
35.8%	10,304	10,341	37	0.4%
37.0%	10,292	10,289	-3	0.0%
38.3%	10,214	10,166	-48	-0.5%
39.5%	10,170	10,152	-19	-0.2%
40.7%	10,164	10,108	-57	-0.6%
42.0%	10,154	10,088	-66	-0.6%
43.2%	10,112	10,064	-48	-0.5%
44.4%	10,098	10,044	-54	-0.5%
45.7%	10,088	9,873	-216	-2.1%
46.9%	10,077	9,826	-251	-2.5%
48.1%	10,026	9,784	-242	-2.4%
49.4%	10,017	9,726	-291	-2.9%
50.6%	9,957	9,709	-247	-2.5%
51.9%	9,938	9,659	-278	-2.8%
53.1%	9,875	9,629	-247	-2.5%
54.3%	9,786	9,626	-160	-1.6%
55.6%	9,586	9,593	7	0.1%
56.8%	9,583	9,520	-63	-0.7%
58.0%	9,548	9,489	-59	-0.6%
59.3%	9,543	9,457	-86	-0.9%
60.5%	9,344	9,404	60	0.6%
61.7%	9,331	9,389	58	0.6%
63.0%	9,301	9,371	70	0.8%
64.2%	9,277	9,354	76	0.8%
65.4%	9,246	9,326	80	0.9%
66.7%	9,223	9,231	8	0.1%
67.9%	9,113	9,167	54	0.6%
69.1%	9,113	9,139	26	0.3%
70.4%	8,904	9,132	228	2.6%
71.6%	8,877	9,082	205	2.3%
72.8%	8,874	9,078	203	2.3%
74.1%	8,873	9,027	154	1.7%
75.3%	8,808	9,000	192	2.2%
76.5%	8,805	8,966	161	1.8%
77.8%	8,794	8,945	151	1.7%
79.0%	8,791	8,886	95	1.1%
80.2%	8,726	8,868	142	1.6%
81.5%	8,645	8,788	142	1.6%
82.7%	8,593	8,703	110	1.3%
84.0%	8,590	8,686	96	1.1%
85.2%	8,515	8,662	146	1.7%
86.4%	8,450	8,656	206	2.4%
87.7%	8,365	8,585	220	2.6%
88.9%	8,303	8,551	247	3.0%
90.1%	8,079	8,521	442	5.5%
91.4%	7,972	8,390	417	5.2%
92.6%	7,930	8,307	376	4.7%
93.8%	7,903	8,263	360	4.6%
95.1%	7,865	8,047	181	2.3%
96.3%	7,850	7,933	83	1.1%
97.5%	7,659	7,648	-11	-0.1%
98.8%	7,439	7,616	177	2.4%
100.0%	7,189	7,255	67	0.9%

Table SW-43-9b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,485	12,537	52	0.4%
1.2%	12,207	12,223	17	0.1%
2.5%	11,934	11,844	-89	-0.7%
3.7%	11,229	11,224	-5	0.0%
4.9%	10,857	10,734	-122	-1.1%
6.2%	10,756	10,632	-124	-1.2%
7.4%	10,631	10,599	-32	-0.3%
8.6%	10,554	10,552	-2	0.0%
9.9%	10,505	10,513	8	0.1%
11.1%	10,465	10,400	-65	-0.6%
12.3%	10,461	10,388	-73	-0.7%
13.6%	10,367	10,364	-3	0.0%
14.8%	10,285	10,250	-35	-0.3%
16.0%	10,194	10,196	1	0.0%
17.3%	9,888	10,000	112	1.1%
18.5%	9,809	9,873	65	0.7%
19.8%	9,732	9,802	70	0.7%
21.0%	9,644	9,765	120	1.2%
22.2%	9,626	9,694	68	0.7%
23.5%	9,615	9,663	48	0.5%
24.7%	9,607	9,584	-23	-0.2%
25.9%	9,590	9,515	-75	-0.8%
27.2%	9,574	9,437	-137	-1.4%
28.4%	9,361	9,252	-109	-1.2%
29.6%	9,325	9,247	-78	-0.8%
30.9%	9,162	9,213	51	0.6%
32.1%	9,117	8,982	-135	-1.5%
33.3%	9,062	8,951	-111	-1.2%
34.6%	9,040	8,858	-182	-2.0%
35.8%	9,027	8,853	-174	-1.9%
37.0%	9,015	8,849	-166	-1.8%
38.3%	8,961	8,782	-179	-2.0%
39.5%	8,918	8,736	-183	-2.1%
40.7%	8,912	8,685	-226	-2.5%
42.0%	8,902	8,623	-279	-3.1%
43.2%	8,894	8,541	-354	-4.0%
44.4%	8,682	8,525	-157	-1.8%
45.7%	8,662	8,424	-238	-2.8%
46.9%	8,609	8,312	-297	-3.5%
48.1%	8,570	8,160	-410	-4.8%
49.4%	8,539	8,157	-382	-4.5%
50.6%	8,342	8,153	-189	-2.3%
51.9%	8,318	8,062	-257	-3.1%
53.1%	8,302	8,053	-249	-3.0%
54.3%	8,292	7,924	-368	-4.4%
55.6%	8,213	7,911	-301	-3.7%
56.8%	8,156	7,801	-355	-4.4%
58.0%	8,114	7,730	-384	-4.7%
59.3%	7,786	7,593	-193	-2.5%
60.5%	7,764	7,552	-212	-2.7%
61.7%	7,676	7,529	-146	-1.9%
63.0%	7,567	7,387	-181	-2.4%
64.2%	7,520	7,332	-188	-2.5%
65.4%	7,341	7,251	-90	-1.2%
66.7%	7,288	7,241	-47	-0.6%
67.9%	7,193	7,201	9	0.1%
69.1%	7,061	7,184	123	1.7%
70.4%	7,017	7,181	164	2.3%
71.6%	6,978	7,051	73	1.0%
72.8%	6,944	7,004	59	0.9%
74.1%	6,942	6,959	17	0.2%
75.3%	6,926	6,773	-152	-2.2%
76.5%	6,764	6,750	-14	-0.2%
77.8%	6,703	6,652	-51	-0.8%
79.0%	6,697	6,582	-115	-1.7%
80.2%	6,548	6,546	-3	0.0%
81.5%	6,314	6,466	153	2.4%
82.7%	6,268	6,449	180	2.9%
84.0%	6,236	6,225	-11	-0.2%
85.2%	6,146	6,214	68	1.1%
86.4%	6,135	6,098	-37	-0.6%
87.7%	6,015	6,082	68	1.1%
88.9%	5,964	6,069	106	1.8%
90.1%	5,791	5,976	185	3.2%
91.4%	5,772	5,723	-49	-0.9%
92.6%	5,698	5,710	12	0.2%
93.8%	5,578	5,691	113	2.0%
95.1%	5,296	5,690	394	7.4%
96.3%	5,184	5,579	395	7.6%
97.5%	5,184	5,341	157	3.0%
98.8%	5,096	5,029	-68	-1.3%
100.0%	4,452	4,968	516	11.6%

July				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,165	12,215	50	0.4%
1.2%	11,880	11,905	26	0.2%
2.5%	11,311	11,229	-82	-0.7%
3.7%	10,558	10,253	-305	-2.9%
4.9%	10,287	10,253	-33	-0.3%
6.2%	10,228	10,241	13	0.1%
7.4%	10,197	10,224	27	0.3%
8.6%	10,149	10,049	-100	-1.0%
9.9%	10,141	9,978	-164	-1.6%
11.1%	10,134	9,907	-227	-2.2%
12.3%	10,033	9,907	-126	-1.3%
13.6%	9,903	9,735	-168	-1.7%
14.8%	9,622	9,586	-36	-0.4%
16.0%	9,492	9,582	91	1.0%
17.3%	9,394	9,479	85	0.9%
18.5%	9,392	9,468	76	0.8%
19.8%	9,355	9,318	-37	-0.4%
21.0%	9,309	9,172	-137	-1.5%
22.2%	9,297	9,141	-156	-1.7%
23.5%	9,267	9,016	-251	-2.7%
24.7%	9,157	9,008	-149	-1.6%
25.9%	9,156	8,953	-203	-2.2%
27.2%	8,947	8,940	-7	-0.1%
28.4%	8,904	8,719	-185	-2.1%
29.6%	8,861	8,708	-152	-1.7%
30.9%	8,815	8,651	-165	-1.9%
32.1%	8,802	8,527	-275	-3.1%
33.3%	8,799	8,491	-308	-3.5%
34.6%	8,792	8,444	-347	-4.0%
35.8%	8,655	8,339	-317	-3.7%
37.0%	8,637	8,264	-373	-4.3%
38.3%	8,627	8,160	-467	-5.4%
39.5%	8,616	8,122	-494	-5.7%
40.7%	8,554	8,113	-441	-5.2%
42.0%	8,550	8,028	-522	-6.1%
43.2%	8,540	8,005	-535	-6.3%
44.4%	8,360	7,973	-388	-4.6%
45.7%	8,280	7,876	-405	-4.9%
46.9%	8,234	7,848	-386	-4.7%
48.1%	8,048	7,797	-251	-3.1%
49.4%	8,027	7,700	-328	-4.1%
50.6%	8,026	7,682	-343	-4.3%
51.9%	8,025	7,646	-379	-4.7%
53.1%	8,010	7,604	-406	-5.1%
54.3%	7,977	7,584	-394	-4.9%
55.6%	7,855	7,551	-305	-3.9%
56.8%	7,818	7,475	-343	-4.4%
58.0%	7,776	7,366	-409	-5.3%
59.3%	7,694	7,357	-336	-4.4%
60.5%	7,499	7,249	-250	-3.3%
61.7%	7,377	7,218	-159	-2.2%
63.0%	7,070	7,205	135	1.9%
64.2%	6,994	7,186	192	2.8%
65.4%	6,931	7,162	231	3.3%
66.7%	6,917	6,990	73	1.1%
67.9%	6,759	6,937	178	2.6%
69.1%	6,702	6,813	111	1.6%
70.4%	6,621	6,592	-28	-0.4%
71.6%	6,553	6,586	34	0.5%
72.8%	6,385	6,550	165	2.6%
74.1%	6,313	6,190	-123	-1.9%
75.3%	6,276	6,183	-93	-1.5%
76.5%	6,142	6,163	21	0.3%
77.8%	6,130	6,068	-62	-1.0%
79.0%	6,085	6,037	-48	-0.8%
80.2%	5,923	6,005	82	1.4%
81.5%	5,839	5,907	67	1.2%
82.7%	5,779	5,900	121	2.1%
84.0%	5,715	5,892	177	3.1%
85.2%	5,689	5,887	197	3.5%
86.4%	5,547	5,768	221	4.0%
87.7%	5,501	5,692	191	3.5%
88.9%	5,473	5,666	194	3.5%
90.1%	5,369	5,649	280	5.2%
91.4%	5,347	5,470	122	2.3%
92.6%	5,319	5,249	-70	-1.3%
93.8%	4,986	5,063	77	1.6%
95.1%	4,910	4,849	-60	-1.2%
96.3%	4,888	4,587	-301	-6.2%
97.5%	4,882	4,583	-300	-6.1%
98.8%	4,260	4,520	260	6.1%
100.0%	3,912	4,237	325	8.3%

August				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,759	11,809	50	0.4%
1.2%	11,307	11,339	33	0.3%
2.5%	10,649	10,584	-65	-0.6%
3.7%	10,146	9,804	-342	-3.4%
4.9%	9,845	9,702	-143	-1.5%
6.2%	9,795	9,683	-112	-1.1%
7.4%	9,741	9,608	-133	-1.4%
8.6%	9,463	9,460	-3	0.0%
9.9%	9,437	9,231	-206	-2.2%
11.1%	9,378	8,971	-407	-4.3%
12.3%	9,130	8,900	-230	-2.5%
13.6%	9,019	8,890	-129	-1.4%
14.8%	9,018	8,796	-222	-2.5%
16.0%	8,998	8,780	-219	-2.4%
17.3%	8,897	8,697	-199	-2.2%
18.5%	8,833	8,677	-156	-1.8%
19.8%	8,801	8,615	-186	-2.1%
21.0%	8,783	8,594	-190	-2.2%
22.2%	8,772	8,552	-220	-2.5%
23.5%	8,683	8,499	-185	-2.1%
24.7%	8,607	8,472	-135	-1.6%
25.9%	8,595	8,454	-141	-1.6%
27.2%	8,553	8,449	-104	-1.2%
28.4%	8,542	8,429	-112	-1.3%
29.6%	8,506	8,357	-149	-1.8%
30.9%	8,490	8,282	-208	-2.5%
32.1%	8,451	8,222	-229	-2.7%
33.3%	8,368	8,215	-153	-1.8%
34.6%	8,258	8,213	-45	-0.6%
35.8%	8,181	8,193	12	0.2%
37.0%	8,148	8,082	-66	-0.8%
38.3%	8,102	7,989	-112	-1.4%
39.5%	8,077	7,914	-163	-2.0%
40.7%	8,035	7,876	-158	-2.0%
42.0%	8,030	7,860	-170	-2.1%
43.2%	8,025	7,838	-187	-2.3%
44.4%	7,971	7,778	-193	-2.4%
45.7%	7,846	7,758	-88	-1.1%
46.9%	7,805	7,741	-64	-0.8%
48.1%	7,757	7,680	-76	-1.0%
49.4%	7,721	7,574	-147	-1.9%
50.6%	7,715	7,529	-186	-2.4%
51.9%	7,677	7,519	-158	-2.1%
53.1%	7,669	7,386	-283	-3.7%
54.3%	7,604	7,360	-244	-3.2%
55.6%	7,474	7,314	-160	-2.1%
56.8%	7,333	7,302	-31	-0.4%
58.0%	7,253	7,299	45	0.6%
59.3%	7,204	7,205	1	0.0%
60.5%	7,198	7,162	-35	-0.5%
61.7%	7,062	7,080	18	0.3%
63.0%	6,791	6,994	203	3.0%
64.2%	6,785	6,878	93	1.4%
65.4%	6,764	6,831	67	1.0%
66.7%	6,739	6,666	-73	-1.1%
67.9%	6,725	6,657	-69	-1.0%
69.1%	6,672	6,600	-72	-1.1%
70.4%	6,624	6,577	-47	-0.7%
71.6%	6,613	6,548	-65	-1.0%
72.8%	6,451	6,506	55	0.9%
74.1%	6,430	6,473	43	0.7%
75.3%	6,384	6,273	-111	-1.7%
76.5%	6,373	6,180	-194	-3.0%
77.8%	6,339	6,125	-214	-3.4%
79.0%	6,206	6,093	-113	-1.8%
80.2%	6,185	6,093	-92	-1.5%
81.5%	6,152	5,999	-153	-2.5%
82.7%	5,965	5,996	31	0.5%
84.0%	5,874	5,883	8	0.1%
85.2%	5,781	5,717	-64	-1.1%
86.4%	5,773	5,621	-152	-2.6%
87.7%	5,702	5,532	-170	-3.0%
88.9%	5,566	5,512	-53	-1.0%
90.1%	5,542	5,496	-46	-0.8%
91.4%	5,527	5,350	-177	-3.2%
92.6%	5,506	5,284	-221	-4.0%
93.8%	5,130	5,156	27	0.5%
95.1%	5,023	5,048	24	0.5%
96.3%	4,966	5,013	46	0.9%
97.5%	4,815	4,999	184	3.8%
98.8%	4,560	4,520	-40	-0.9%
100.0%	3,889	4,377	488	12.6%

September				
Percent Exceedance Probability (%)	No Action Alternative End of Month Area (ACRE)	Alternative D End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,012	12,035	24	0.2%
1.2%	10,291	11,378	1,086	10.6%
2.5%	10,163	10,661	498	4.9%
3.7%	10,108	10,281	173	1.7%
4.9%	9,848	10,245	397	4.0%
6.2%	9,753	10,007	253	2.6%
7.4%	9,722	9,793	71	0.7%
8.6%	9,546	9,692	146	1.5%
9.9%	9,481	9,454	-27	-0.3%
11.1%	9,360	9,364	4	0.0%
12.3%	9,328	9,208	-120	-1.3%
13.6%	9,327	9,179	-149	-1.6%
14.8%	9,301	9,135	-166	-1.8%
16.0%	9,127	9,101	-26	-0.3%
17.3%	9,107	9,089	-18	-0.2%
18.5%	9,042	9,052	11	0.1%
19.8%	9,020	9,026	7	0.1%
21.0%	8,965	8,944	-22	-0.2%
22.2%	8,963	8,907	-57	-0.6%
23.5%	8,960	8,853	-107	-1.2%
24.7%	8,948	8,835	-114	-1.3%
25.9%	8,864	8,808	-56	-0.6%
27.2%	8,855	8,803	-52	-0.6%
28.4%	8,840	8,800	-40	-0.4%
29.6%	8,815	8,795	-20	-0.2%
30.9%	8,806	8,779	-27	-0.3%
32.1%	8,793	8,760	-33	-0.4%
33.3%	8,772	8,725	-46	-0.5%
34.6%	8,767	8,692	-75	-0.9%
35.8%	8,690	8,663	-27	-0.3%
37.0%	8,669	8,590	-80	-0.9%
38.3%	8,651	8,582	-69	-0.8%
39.5%	8,613	8,531	-82	-1.0%
40.7%	8,566	8,530	-36	-0.4%
42.0%	8,491	8,475	-16	-0.2%
43.2%	8,428	8,426	-2	0.0%
44.4%	8,412	8,418	6	0.1%
45.7%	8,401	8,391	-10	-0.1%
46.9%	8,339	8,362	23	0.3%
48.1%	8,273	8,342	68	0.8%
49.4%	8,263	8,296	33	0.4%
50.6%	8,217	8,291	74	0.9%
51.9%	8,162	8,254	92	1.1%
53.1%	8,158	8,244	86	1.1%
54.3%	8,158	8,196	39	0.5%
55.6%	8,143	8,184	41	0.5%
56.8%	8,135	8,181	46	0.6%
58.0%	8,130	8,074	-56	-0.7%
59.3%	7,983	8,054	72	0.9%
60.5%	7,971	8,014	43	0.5%
61.7%	7,948	8,005	57	0.7%
63.0%	7,719	7,997	278	3.6%
64.2%	7,704	7,848	143	1.9%
65.4%	7,634	7,777	143	1.9%
66.7%	7,611	7,634	23	0.3%
67.9%	7,604	7,518	-85	-1.1%
69.1%	7,561	7,436	-125	-1.7%
70.4%	7,517	7,423	-94	-1.3%
71.6%	7,366	7,407	41	0.6%
72.8%	7,335	7,269	-66	-0.9%
74.1%	7,268	7,248	-20	-0.3%
75.3%	7,255	7,158	-97	-1.3%
76.5%	7,113	6,965	-147	-2.1%
77.8%	7,071	6,941	-131	-1.8%
79.0%	7,009	6,841	-168	-2.4%
80.2%	6,915	6,797	-118	-1.7%
81.5%	6,902	6,776	-126	-1.8%
82.7%	6,632	6,732	100	1.5%
84.0%	6,585	6,730	146	2.2%
85.2%	6,550	6,651	102	1.6%
86.4%	6,530	6,621	91	1.4%
87.7%	6,298	6,541	243	3.9%
88.9%	6,272	6,471	199	3.2%
90.1%	6,124	6,453	330	5.4%
91.4%	5,922	6,433	510	8.6%
92.6%	5,918	6,193	274	4.6%
93.8%	5,873	6,125	252	4.3%
95.1%	5,871	5,956	85	1.4%
96.3%	5,806	5,943	137	2.4%
97.5%	5,679	5,569	-110	-1.9%
98.8%	5,613	5,443	-170	-3.0%
100.0%	4,562	4,952	390	8.6%

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Regional Deliveries

Summary Tables and Bar Charts

Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table WS-SWP-3a

Alternative A
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	65%	65%	96%
Water Year Types[2]			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	38%	38%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,620	93	50
Water Year Types[2]			
Wet (32%)	3,189	128	96
Above Normal (15%)	2,739	49	64
Below Normal (17%)	2,612	123	20
Dry (22%)	2,422	77	23
Critical (15%)	1,584	44	10

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	701	2,061	2,762
Water Year Types[2]			
Wet (32%)	899	2,515	3,413
Above Normal (15%)	741	2,111	2,852
Below Normal (17%)	675	2,079	2,755
Dry (22%)	616	1,906	2,522
Critical (15%)	394	1,244	1,638

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	24	4	208	46	689	88	280	9	1,415
Water Year Types[2]									
Wet (32%)	30	5	257	57	883	109	338	11	1,723
Above Normal (15%)	26	4	219	49	728	93	279	9	1,445
Below Normal (17%)	24	4	209	46	663	87	285	8	1,428
Dry (22%)	21	3	185	42	605	79	263	8	1,315
Critical (15%)	14	2	123	27	387	51	173	5	856

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3b

No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	62%	62%	96%
Water Year Types[2]			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,496	91	51
Water Year Types[2]			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	670	1,969	2,639
Water Year Types[2]			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	23	4	199	44	658	84	267	8	1,353
Water Year Types[2]									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3c

Difference: Alternative A minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	3%	3%	0%
Water Year Types[2]			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	9%	9%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	123	1	-2
Water Year Types[2]			
Wet (32%)	57	4	15
Above Normal (15%)	9	-17	20
Below Normal (17%)	18	3	-25
Dry (22%)	220	15	-8
Critical (15%)	351	-8	-20

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	31	92	123
Water Year Types[2]			
Wet (32%)	26	49	75
Above Normal (15%)	14	-2	12
Below Normal (17%)	-6	2	-4
Dry (22%)	48	178	227
Critical (15%)	76	246	322

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	1	0	9	2	31	4	13	0	62
Water Year Types[2]									
Wet (32%)	1	0	5	1	25	2	7	0	33
Above Normal (15%)	0	0	2	0	14	0	-3	0	-2
Below Normal (17%)	1	0	2	1	-6	1	1	0	-3
Dry (22%)	2	0	14	4	47	7	27	1	126
Critical (15%)	3	0	26	6	75	11	35	1	165

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3d

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	62%	670
Alternative A	65%	701
Difference	3%	31
Percent Difference[3]		4.7%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	80%	873
Alternative A	81%	899
Difference	1%	26
Percent Difference		3.0%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative A	69%	741
Difference	0%	14
Percent Difference		1.9%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative A	65%	675
Difference	1%	-6
Percent Difference		-0.8%
Dry (22%)		
No Action Alternative	54%	568
Alternative A	59%	616
Difference	5%	48
Percent Difference		8.5%
Critical (15%)		
No Action Alternative	30%	318
Alternative A	38%	394
Difference	9%	76
Percent Difference		24.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

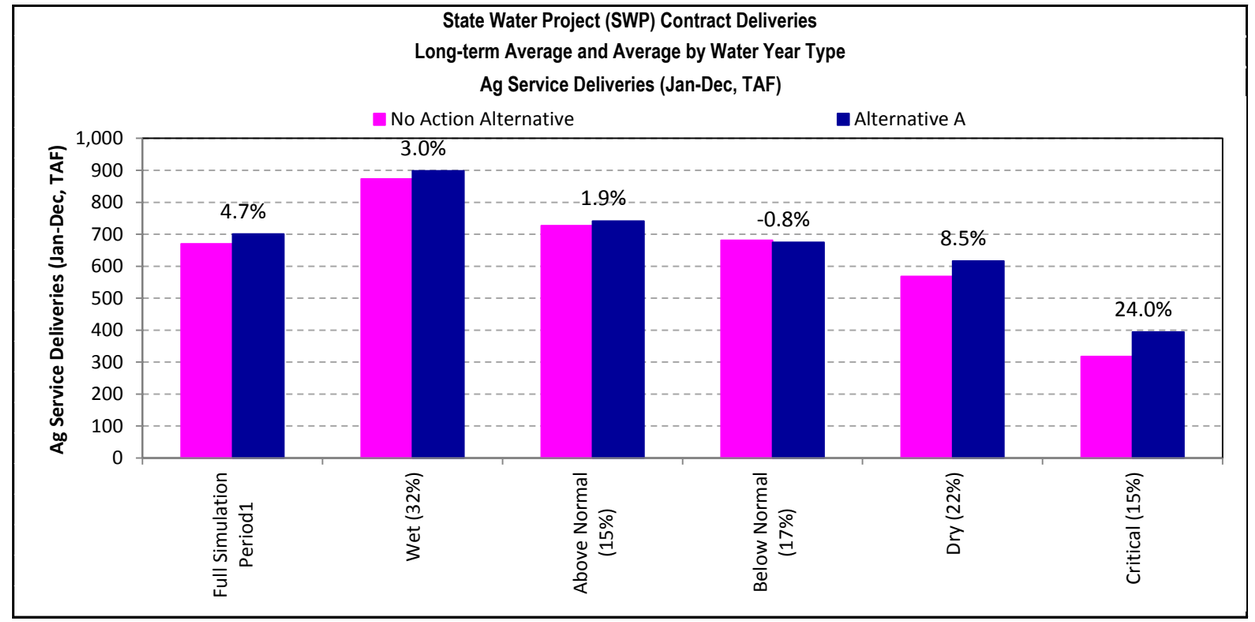

Figure WS-CVP-3e

State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

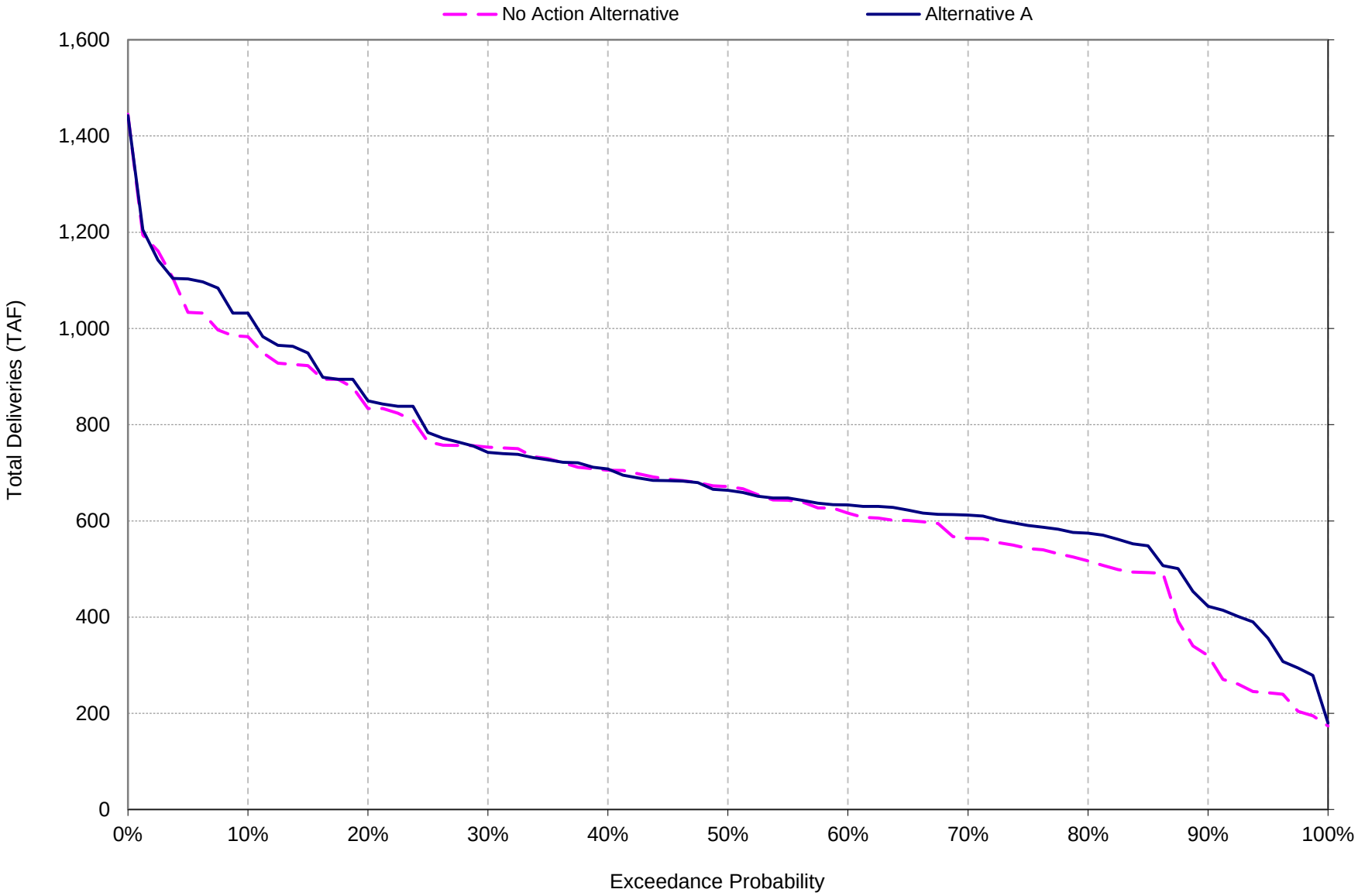

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Table WS-SWP-3f

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
	Long-term	
Full Simulation Period[1]		
No Action Alternative	62%	1,969
Alternative A	65%	2,061
Difference	3%	92
Percent Difference[3]		4.7%
	Water Year Types[2]	
Wet (32%)		
No Action Alternative	80%	2,466
Alternative A	81%	2,515
Difference	1%	49
Percent Difference		2.0%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative A	69%	2,111
Difference	0%	-2
Percent Difference		-0.1%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative A	65%	2,079
Difference	1%	2
Percent Difference		0.1%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative A	59%	1,906
Difference	5%	178
Percent Difference		10.3%
Critical (15%)		
No Action Alternative	30%	998
Alternative A	38%	1,244
Difference	9%	246
Percent Difference		24.7%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

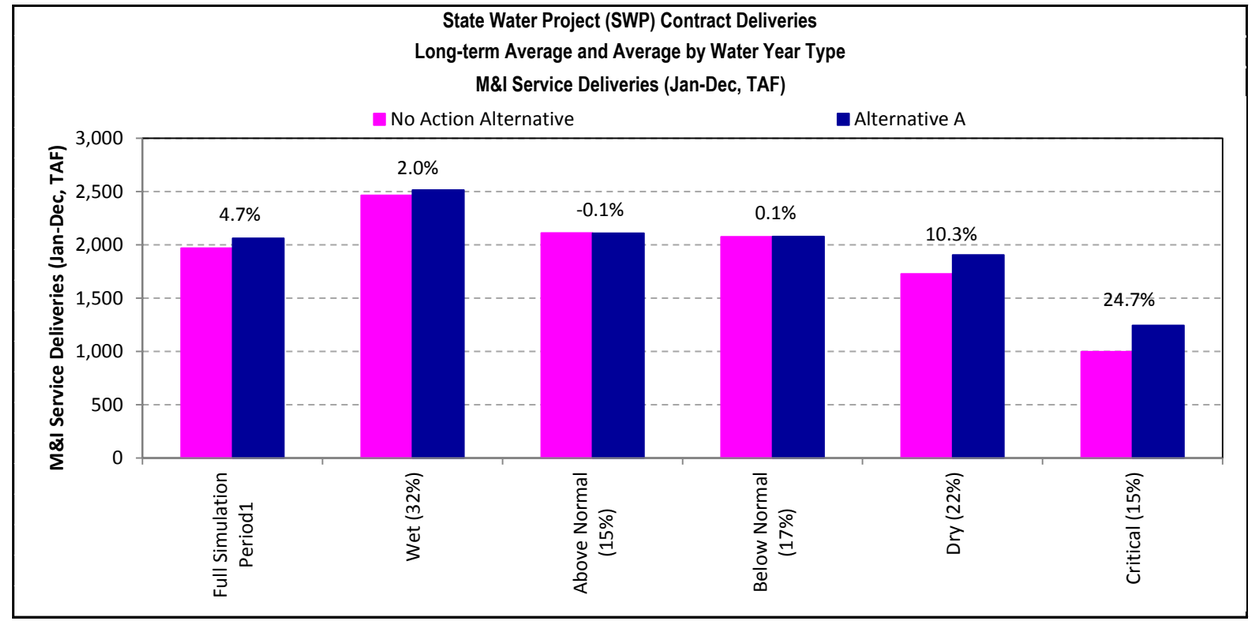

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Figure WS-CVP-3g

State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

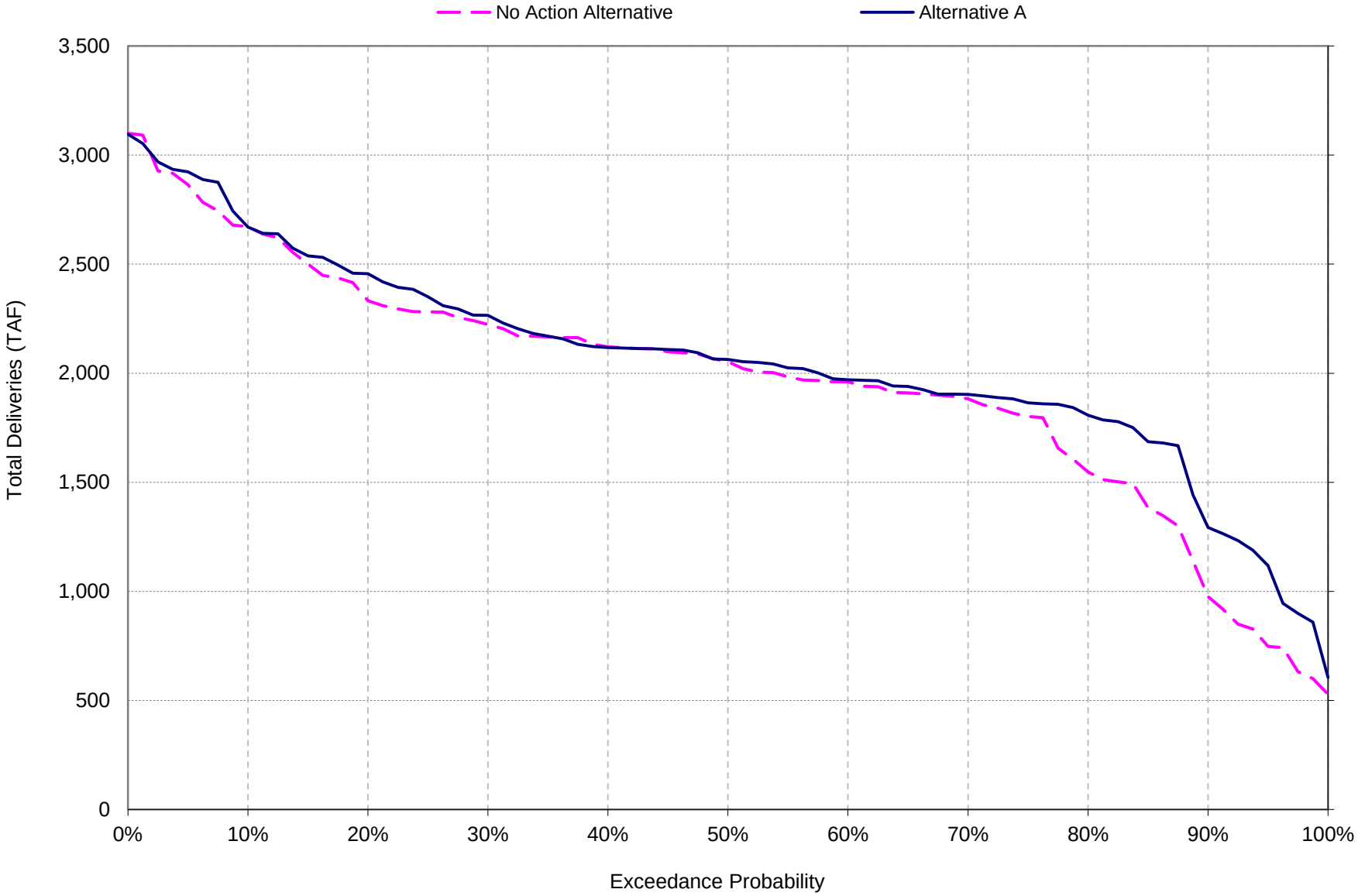

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Table WS-SWP-3h

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	96%	950
Alternative A	96%	950
Difference	0%	0
Percent Difference[3]		0.0%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	976
Alternative A	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative A	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative A	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative A	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative A	75%	772
Difference	0%	0
Percent Difference		0.0%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

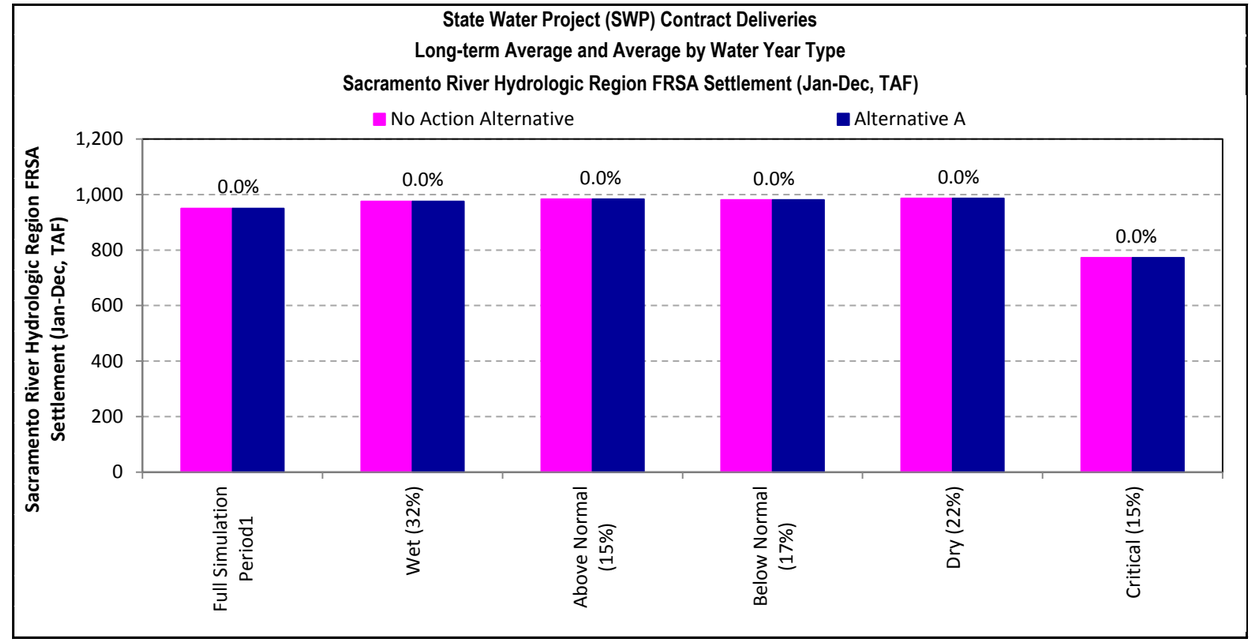

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Figure WS-CVP-3i

State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart

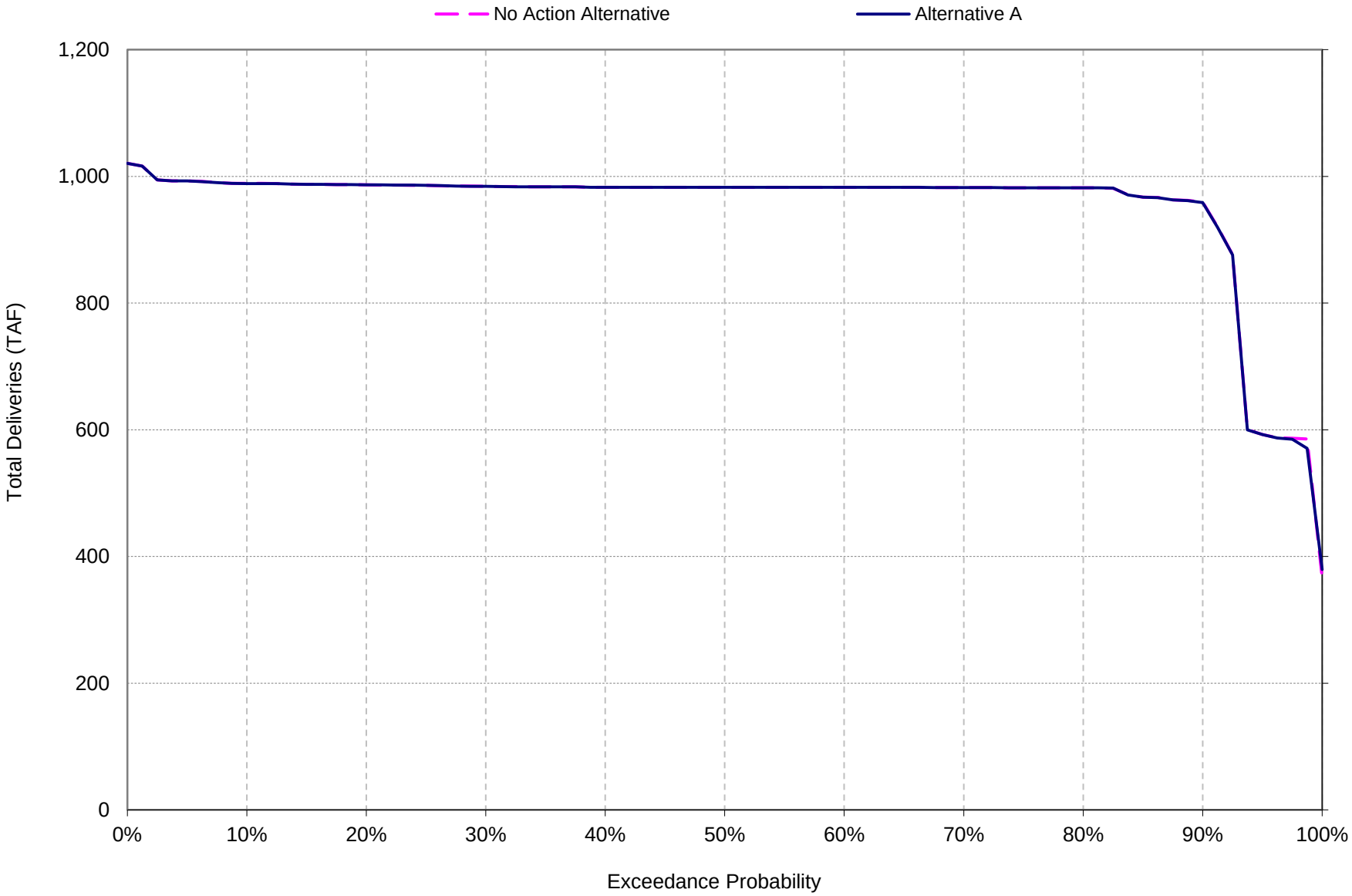

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Table WS-SWP-3j

Year	Sacramento Valley 40-30-30 Index		Alternative A – State Water Project (SWP) Contract Deliveries: Sacramento River Hydrologic Region – FRSA Settlemen (Jan-Dec, TAF)	Sacramento River Hydrologic Region – M&I Service (Jan-Dec, TAF)	San Joaquin River Hydrologic Region – Ag Service (Jan-Dec, TAF)	San Francisco Bay Hydrologic Region – M&I Service (Jan-Dec, TAF)	Central Coast Hydrologic Region – M&I Service (Jan-Dec, TAF)	Tulare Lake Hydrologic Region – Ag Service (Jan-Dec, TAF)	Tulare Lake Hydrologic Region – M&I Service (Jan-Dec, TAF)	Tulare Lake Hydrologic Region – Total (Jan-Dec, TAF)	South Lahonton Hydrologic Region – M&I Service (Jan-Dec, TAF)	South Coast Hydrologic Region – Ag Service (Jan-Dec, TAF)	South Coast Hydrologic Region – M&I Service (Jan-Dec, TAF)	South Coast Hydrologic Region – Total (Jan-Dec, TAF)	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)	Alternative A – State Water Project (SWP) Allocations: Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)	State Water Project (SWP) Delivery Operations: SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
1922	2	AN	983	26	4	224	49	709	94	803	262	9	1,365	1,374	722	2,021	2,743	70%	70%	100%	2,726	0	16
1923	3	BN	994	23	3	203	43	619	82	701	296	8	1,447	1,455	630	2,094	2,724	61%	61%	100%	2,517	187	20
1924	5	C	585	12	2	114	24	350	46	396	155	4	766	770	356	1,118	1,474	34%	34%	50%	1,438	26	10
1925	4	D	983	20	3	197	40	683	77	759	246	9	1,303	1,312	695	1,882	2,578	57%	57%	100%	2,370	0	208
1926	4	D	989	21	3	172	42	605	80	686	257	8	1,287	1,295	616	1,860	2,476	60%	60%	100%	2,469	1	6
1927	1	W	982	23	4	201	44	631	84	715	260	8	1,313	1,320	643	1,925	2,567	62%	62%	100%	2,546	5	16
1928	2	AN	983	24	4	202	44	639	85	724	268	8	1,352	1,360	651	1,974	2,625	63%	63%	100%	2,566	46	13
1929	5	C	987	16	3	138	31	445	59	504	201	6	997	1,003	453	1,443	1,896	44%	44%	100%	1,827	61	8
1930	4	D	983	19	3	161	37	539	72	610	230	7	1,149	1,156	548	1,668	2,216	53%	53%	100%	2,207	1	8
1931	5	C	592	10	2	90	20	289	38	327	124	4	616	620	294	899	1,193	29%	29%	50%	1,182	1	10
1932	4	D	989	21	3	172	40	601	76	677	245	8	1,233	1,241	612	1,786	2,398	57%	57%	100%	2,348	0	51
1933	5	C	988	14	2	134	27	394	52	446	168	5	837	842	401	1,233	1,634	39%	39%	100%	1,613	1	19
1934	5	C	570	14	2	126	28	407	54	461	174	5	868	873	414	1,264	1,678	40%	40%	50%	1,672	0	6
1935	3	BN	983	23	4	207	47	672	89	761	260	8	1,338	1,347	684	1,965	2,650	66%	66%	100%	2,639	1	10
1936	3	BN	987	25	4	219	49	699	93	791	284	9	1,449	1,458	711	2,118	2,829	69%	69%	100%	2,696	121	12
1937	3	BN	982	31	5	273	61	946	117	1,063	360	12	1,828	1,840	963	2,670	3,633	87%	87%	100%	3,376	173	83
1938	1	W	982	36	6	308	70	1,077	135	1,212	423	14	2,079	2,093	1,097	3,052	4,149	100%	100%	100%	3,896	178	75
1939	4	D	1,016	21	3	178	39	564	75	639	297	7	1,415	1,422	575	2,025	2,599	56%	56%	100%	2,320	269	10
1940	2	AN	982	23	4	204	45	647	86	733	260	8	1,321	1,329	659	1,939	2,598	64%	64%	100%	2,583	1	14
1941	1	W	971	30	5	246	58	828	110	938	323	10	1,652	1,663	843	2,419	3,262	82%	82%	100%	3,182	78	2
1942	1	W	983	27	4	232	51	729	97	826	315	9	1,573	1,582	743	2,295	3,037	72%	72%	100%	2,804	217	16
1943	1	W	983	30	5	257	57	823	109	933	343	10	1,735	1,745	838	2,532	3,370	81%	81%	100%	3,165	191	14
1944	4	D	984	23	4	200	45	654	87	740	304	8	1,498	1,506	665	2,157	2,822	64%	64%	100%	2,594	218	10
1945	3	BN	982	24	4	218	47	677	90	767	277	8	1,409	1,418	689	2,065	2,755	67%	67%	100%	2,650	86	18
1946	3	BN	983	27	4	235	51	727	97	823	294	9	1,501	1,511	740	2,204	2,944	72%	72%	100%	2,794	130	20
1947	4	D	983	24	4	203	45	652	87	738	294	8	1,454	1,462	664	2,107	2,770	64%	64%	100%	2,595	165	10
1948	3	BN	920	20	3	187	41	585	78	663	265	7	1,314	1,321	596	1,904	2,500	58%	58%	100%	2,404	83	13
1949	4	D	984	22	3	192	43	619	82	701	258	8	1,299	1,307	630	1,896	2,526	61%	61%	100%	2,515	1	10
1950	3	BN	982	20	3	187	39	560	74	635	243	7	1,215	1,222	570	1,778	2,348	55%	55%	100%	2,301	26	21
1951	2	AN	986	29	4	253	54	1,087	103	1,189	287	13	1,659	1,672	1,104	2,385	3,489	76%	76%	100%	2,976	1	512
1952	1	W	983	34	5	282	66	948	126	1,074	395	12	1,986	1,998	965	2,888	3,853	93%	93%	100%	3,643	209	2
1953	1	W	986	22	3	188	40	576	77	653	297	7	1,427	1,434	587	2,050	2,636	57%	57%	100%	2,368	252	17
1954	2	AN	983	22	3	188	41	591	79	670	252	7	1,262	1,269	602	1,843	2,445	58%	58%	100%	2,430	1	14
1955	4	D	993	22	3	192	43	611	81	692	258	8	1,293	1,300	622	1,888	2,510	60%	60%	100%	2,497	1	12
1956	1	W	993	32	5	279	61	1,066	117	1,183	328	13	1,756	1,769	1,084	2,573	3,657	87%	87%	100%	3,377	14	266
1957	2	AN	983	21	3	188	40	580	77	657	294	7	1,421	1,428	591	2,042	2,633	57%	57%	100%	2,384	233	16
1958	1	W	959	36	6	308	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,875	3,908	100%	100%	100%	3,896	1	11
1959	3	BN	990	18	3	159	35	498	66	564	256	6	1,274	1,280	507	1,808	2,315	49%	49%	100%	2,046	258	11
1960	4	D	983	19	3	169	38	542	72	614	231	7	1,157	1,164	552	1,686	2,238	53%	53%	100%	2,227	1	10
1961	4	D	983	21	3	174	42	602	80	682	257	8	1,284	1,292	613	1,858	2,471	59%	59%	100%	2,462	1	8
1962	3	BN	983	21	4	196	43	622	83	705	258	8	1,302	1,310	634	1,904	2,538	61%	61%	100%	2,524	1	13
1963	1	W	967	23	3	203	43	622	83	705	264	8	1,326	1,334	633	1,942	2,576	61%	61%	100%	2,524	32	20
1964	4	D	989	25	4	213	47	672	89	761	266	8	1,362	1,370	684	2,002	2,686	66%	66%	100%	2,640	31	15
1965	1	W	987	28	4	241	54	770	102	872	308	10	1,576	1,586	784	2,310	3,094	76%	76%	100%	2,960	120	14
1966	3	BN	987	25	4	214	46	667	89	756	303	8	1,492	1,500	680	2,170	2,849	66%	66%	100%	2,631	202	17
1967	1	W	983	30	5	261	57	823	109	933	326	10	1,673	1,683	838	2,456	3,295	81%	81%	100%	3,165	112	18
1968	3	BN	983	23	3	194	43	617	82	699	303	8	1,468	1,476	628	2,113	2,741	61%	61%	100%	2,511	218	12
1969	1	W	983	37	6	299	70	1,014	135	1,148	380	13	2,014	2,027	1,032	2,934	3,966	100%	100%	100%	3,896	22	47
1970	1	W	983	29	4	257	54	932	103	1,035	320	13	1,631	1,644	949	2,394	3,343	76%	76%	100%	2,979	127	238
1971	1	W	985	23	4	200	44	626	83	709	301	8	1,465	1,473	637	2,116	2,753	62%	62%	100%	2,533	205	14
1972	3	BN	992	24	4	207	44	636	84	720	266	8	1,342	1,350	647	1,967	2,615	63%	63%	100%	2,558	37	20
1973	2	AN	982	26	4	222	48	695	92	788	271	9	1,394	1,403	708	2,053	2,761	69%	69%	100%	2,690	55	16
1974	1	W	982	31	5	262	58	834	111	945	341	10	1,735	1,746	849	2,538	3,387	82%	82%	100%	3,207	165	16
1975	1	W	982	26	4	227	50	719	95	814	310	9	1,557	1,566	732	2,267	2,998	71%	71%	100%	2,763	221	15
1976	5	C	1,021	23	4	200	44	636	84	720	297	8	1,463	1,471	648	2,112	2,759	63%	63%	100%	2,557	190	12
1977	5	C	379	6	1	56	12	177	23	200	87	2	421	423	180	606	786	17%	17%	50%	727	57	2
1978	2	AN	983	27	4	222	52	751	100	850	277	9	1,445	1,454	764	2,123	2,887	74%	74%	100%	2,885	0	2
1979	3	BN	982	28	4	234	53	758	101	859	320	9	1,616	1,625	772	2,351	3,123	75%	75%	100%	2,914	198	10
1980	2	AN	986	32	5	260	61	879	117	995	345	11	1,826	1,837	894	2,641	3,536	87%	87%	100%	3,377	85	73
1981	4	D	983	22	3	193	42	603	80	683	305	8	1,467	1,475	614	2,109	2,723	59%	59%	100%	2,476	233	14
1982	1	W	967	36	6	310	70	1,122	135	1,256	384	15	1,987	2,002	1,142	2,923	4,065	100%	100%	100%	3,896	2	167
1983	1	W	963	37	6	319	70	1,421	135	1,556	414	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	93	549
1984	1	W	982	29	4	264	54	1,187	103	1,290	312	14	1,697	1,710	1,205	2,459	3,664	77%	77%	100%	2,988	93	583
1985	4	D	983	28	4	226	52	742	99	841	294	9	1,484	1,493	756	2,182	2,938	73%	73%	100%	2,854	76	8
1986	1	W	986	31	5	261	61	879	117	995	361	11	1,912	1,923	894	2,743	3,638	87%	87%	100%	3,376	170	91
1987	4	D	983	17	3	156	34	492	65	557	229	6	1,179	1,185	501	1,680	2,181	49%	49%	100%	1,979	192	10
1988	5	C	600	11	2	100	21	302	40	342	130	4	644	648	307	946	1,253	30%	30%	50%	1,242	1	10
1989	4	D	982	19	3	170	39	566	75	641	241	7	1,207	1,214	576	1,751	2,327	56%	56%	100%	2,321	0	6
1990	5	C	984	15	2	131	29	415	55	470	178	5	886	891	423	1,293	1,716	41%	41%	100%	1,707	1	8
1991	5	C	587	9	2	93	19	274	36	310	118	3	584	588	279	859	1,138	27%	27%	50%	1,126	1	11
1992	5	C	984	13	2	116	27	383	51	434	164	5	818	823	390	1,188	1,579	38%	38%	100%	1,571	0	8
1993	2	AN	982	26	4	227	50	725	96	821	268	9	1,396	1,405	738	2,063	2,801	72%	72%	100%	2,787	0	14
1994	5	C	987	21	3	178	40	573	76	649	282	7	1,373	1,380	583	1,970	2,553	56%	56%	100%	2,351	192	10
1995	1	W	987	31	5	262	61	882	117	999	327	11	1,698	1,709	898	2,496	3,395	87%	87%	100%	3,390	3	2
1996	1	W	962	26	4	225	50	714	95	809	311	9	1,558	1,567	727	2,265	2,992	70%	70%	100%	2,744	234	14
1997	1	W	988	32	5	278	61	1,085	116	1,202	358	13	1,792	1,805	1,103	2,639	3,742	87%	87%	100%	3,371	101	270
1998	1	W	876	34	5	289	67	965	128	1,094	408	12	2,041	2,053	983	2,968	3,951	95%	95%	100%	3,710	236	4
1999	1	W	983	25	4	221	47	670	89	759	315	8	1,535	1,543	683	2,231	2,913	66%	66%	100%	2,637	254	22
2000	2	AN	983	26	4	223	49	708	94	802	284	9	1,456	1,465	721	2,132	2,853	70%	70%	100%	2,722	117	14
2001	4	D	983	19	3	175	38	552	73	625	272	7	1,325	1,331	562	1,903	2,465	54%	54%	100%	2,266	187	12
2002	4	D	983	21	3	188	42	599	80	679	255	8	1,278	1,286	610	1,864	2,474	59%	59%	100%	2,461	1	12

Table WS-SWP-3j

		Alternative A															Alternative A					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	24	4	208	46	689	88	777	280	9	1,415	1,424	701	2,061	2,762	65%	65%	96%	2,620	93	50
MIN:		379	6	1	56	12	177	23	200	87	2	421	423	180	606	786	17%	17%	50%	727	0	2
MAX:		1,021	37	6	319	70	1,421	135	1,556	423	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	269	583
DP:	29-34, 76-77	831	15	2	132	29	423	56	479	185	5	922	927	431	1,338	1,768	42%	42%	82%	1,720	36	12
	W	976	30	5	257	57	883	109	992	338	11	1,723	1,734	899	2,515	3,413	81%	81%	100%	3,189	128	96
	AN	983	26	4	219	49	728	93	821	279	9	1,445	1,454	741	2,111	2,852	69%	69%	100%	2,739	49	64
AVG:	BN	981	24	4	209	46	663	87	751	285	8	1,428	1,437	675	2,079	2,755	65%	65%	100%	2,612	123	20
	D	986	21	3	185	42	605	79	685	263	8	1,315	1,323	616	1,906	2,522	59%	59%	100%	2,422	77	23
	C	772	14	2	123	27	387	51	438	173	5	856	861	394	1,244	1,638	38%	38%	75%	1,584	44	10
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,421	135	1,556	423	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	269	583
2	1.3%	1,016	37	6	310	70	1,187	135	1,290	414	15	2,079	2,093	1,205	3,052	4,149	100%	100%	100%	3,896	258	549
3	2.5%	994	36	6	308	70	1,122	135	1,256	408	14	2,041	2,053	1,142	2,968	4,065	100%	100%	100%	3,896	254	512
4	3.8%	993	36	6	308	70	1,087	135	1,212	395	14	2,014	2,027	1,104	2,934	3,966	100%	100%	100%	3,896	252	270
5	5.0%	993	36	6	299	70	1,085	135	1,202	384	13	1,987	2,002	1,103	2,923	3,951	100%	100%	100%	3,896	236	266
6	6.3%	992	34	5	289	67	1,077	128	1,189	380	13	1,986	1,998	1,097	2,888	3,908	95%	95%	100%	3,710	234	238
7	7.5%	990	34	5	282	66	1,066	126	1,183	375	13	1,951	1,964	1,084	2,875	3,853	93%	93%	100%	3,643	233	208
8	8.8%	989	32	5	279	61	1,014	117	1,148	361	13	1,912	1,923	1,032	2,743	3,742	87%	87%	100%	3,390	233	167
9	10.0%	989	32	5	278	61	1,014	117	1,148	360	13	1,828	1,840	1,032	2,670	3,664	87%	87%	100%	3,377	221	91
10	11.3%	989	32	5	273	61	965	117	1,094	358	13	1,826	1,837	983	2,641	3,657	87%	87%	100%	3,377	218	83
11	12.5%	988	31	5	264	61	948	117	1,074	345	12	1,792	1,805	965	2,639	3,638	87%	87%	100%	3,376	218	75
12	13.8%	988	31	5	262	61	946	117	1,063	343	12	1,756	1,769	963	2,573	3,633	87%	87%	100%	3,376	217	73
13	15.0%	987	31	5	262	61	932	116	1,035	341	12	1,735	1,746	949	2,538	3,536	87%	87%	100%	3,371	209	51
14	16.3%	987	31	5	261	58	882	111	999	328	11	1,735	1,745	898	2,532	3,489	82%	82%	100%	3,207	205	47
15	17.5%	987	30	5	261	58	879	110	995	327	11	1,698	1,710	894	2,496	3,395	82%	82%	100%	3,182	202	22
16	18.8%	987	30	5	260	57	879	109	995	326	11	1,697	1,709	894	2,459	3,387	81%	81%	100%	3,165	198	21
17	20.0%	987	30	5	257	57	834	109	945	323	10	1,673	1,683	849	2,456	3,370	81%	81%	100%	3,165	192	20
18	21.3%	987	29	4	257	54	828	103	938	320	10	1,659	1,672	843	2,419	3,343	77%	77%	100%	2,988	192	20
19	22.5%	986	29	4	253	54	823	103	933	320	10	1,652	1,663	838	2,394	3,295	76%	76%	100%	2,979	191	20
20	23.8%	986	29	4	246	54	823	103	933	315	10	1,631	1,644	838	2,385	3,262	76%	76%	100%	2,976	190	20
21	25.0%	986	28	4	241	54	770	102	872	315	10	1,616	1,625	784	2,351	3,123	76%	76%	100%	2,960	187	19
22	26.3%	986	28	4	235	53	758	101	859	312	9	1,576	1,586	772	2,310	3,094	75%	75%	100%	2,914	187	18
23	27.5%	985	28	4	234	52	751	100	850	311	9	1,573	1,582	764	2,295	3,037	74%	74%	100%	2,885	178	18
24	28.8%	984	27	4	232	52	742	99	841	310	9	1,558	1,567	756	2,267	2,998	73%	73%	100%	2,854	173	17
25	30.0%	984	27	4	227	51	729	97	826	308	9	1,557	1,566	743	2,265	2,992	72%	72%	100%	2,804	170	17
26	31.3%	984	27	4	227	51	727	97	823	305	9	1,535	1,543	740	2,231	2,944	72%	72%	100%	2,794	165	16
27	32.5%	984	26	4	226	50	725	96	821	304	9	1,501	1,511	738	2,204	2,938	72%	72%	100%	2,787	165	16
28	33.8%	983	26	4	225	50	719	95	814	303	9	1,498	1,506	732	2,182	2,913	71%	71%	100%	2,763	130	16
29	35.0%	983	26	4	224	50	714	95	809	303	9	1,492	1,500	727	2,170	2,887	70%	70%	100%	2,744	127	16
30	36.3%	983	26	4	223	49	709	94	803	301	9	1,484	1,493	722	2,157	2,853	70%	70%	100%	2,726	121	16
31	37.5%	983	26	4	222	49	708	94	802	297	9	1,468	1,476	721	2,132	2,849	70%	70%	100%	2,722	120	16
32	38.8%	983	26	4	222	49	699	93	791	297	9	1,467	1,475	711	2,123	2,829	69%	69%	100%	2,696	117	15
33	40.0%	983	25	4	221	48	695	92	788	297	9	1,465	1,473	708	2,118	2,822	69%	69%	100%	2,690	112	15
34	41.3%	983	25	4	219	47	683	90	767	296	9	1,463	1,471	695	2,116	2,801	67%	67%	100%	2,650	101	14
35	42.5%	983	25	4	218	47	677	89	761	294	8	1,456	1,465	689	2,113	2,770	66%	66%	100%	2,640	93	14
36	43.8%	983	25	4	214	47	672	89	761	294	8	1,454	1,462	684	2,112	2,761	66%	66%	100%	2,639	93	14
37	45.0%	983	24	4	213	47	672	89	759	294	8	1,449	1,458	684	2,109	2,759	66%	66%	100%	2,637	86	14
38	46.3%	983	24	4	207	46	670	89	759	294	8	1,447	1,455	683	2,107	2,755	66%	66%	100%	2,631	85	14
39	47.5%	983	24	4	207	45	667	87	756	287	8	1,445	1,454	680	2,094	2,753	64%	64%	100%	2,595	83	14
40	48.8%	983	24	4	204	45	654	87	740	284	8	1,427	1,434	665	2,065	2,743	64%	64%	100%	2,594	78	14
41	50.0%	983	23	4	203	45	652	86	738	284	8	1,421	1,428	664	2,063	2,741	64%	64%	100%	2,583	76	14
42	51.3%	983	23	4	203	44	647	85	733	282	8	1,415	1,422	659	2,053	2,724	63%	63%	100%	2,566	61	14
43	52.5%	983	23	4	203	44	639	84	724	277	8	1,409	1,418	651	2,050	2,723	63%	63%	100%	2,558	57	13
44	53.8%	983	23	4	202	44	636	84	720	277	8	1,396	1,405	648	2,042	2,686	63%	63%	100%	2,557	55	13
45	55.0%	983	23	4	201	44	636	84	720	272	8	1,394	1,403	647	2,025	2,650	62%	62%	100%	2,546	46	13
46	56.3%	983	23	4	200	44	631	83	715	271	8	1,373	1,380	643	2,021	2,636	62%	62%	100%	2,533	37	12
47	57.5%	983	23	4	200	43	626	83	709	268	8	1,365	1,374	637	2,002	2,633	61%	61%	100%	2,524	32	12
48	58.8%	983	23	3	200	43	622	83	705	268	8	1,362	1,370	634	1,974	2,625	61%	61%	100%	2,524	31	12
49	60.0%	983	23	3	197	43	622	82	705	266	8	1,352	1,360	633	1,970	2,615	61%	61%	100%	2,517	26	12
50	61.3%	983	22	3	196	43	619	82	701	266	8	1,342	1,350	630	1,967	2,599	61%	61%	100%	2,515	26	12
51	62.5%	983	22	3	194	43	619	82	701	265	8	1,338	1,347	630	1,965	2,598	61%	61%	100%	2,511	22	12
52	63.8%	983	22	3	193	43	617	81	699	264	8	1,326	1,334	628	1,942	2,578	60%	60%	100%	2,497	14	11
53	65.0%	983	22	3	192	42	611	80	692	262	8	1,325	1,331	622	1,939	2,576	60%	60%	100%	2,476	5	11
54	66.3%	983	22	3	192	42	605	80	686	260	8	1,321	1,329	616	1,925	2,567	59%	59%	100%	2,469	3	11
55	67.5%	982	21	3	188	42	603	80	683	260	8	1,314	1,321	614	1,904	2,553	59%	59%	100%	2,462	2	10
56	68.8%	982	21	3	188	42	602	80	682	260	8	1,313	1,320	613	1,904	2,538	59%	59%	100%	2,461	1	10
57	70.0%	982	21	3	188	41	601	79	679	258	8	1,303	1,312	612	1,903	2,526	58%	58%	100%	2,430	1	10
58	71.3%	982	21	3	188	41	599	78	677	258	8	1,302	1,310	610	1,896	2,510	58%	58%	100%	2,404	1	10
59	72.5%	982	21	3	187	40	591	77	670	258	7	1,299	1,307	602	1,888	2,500	57%	57%	100%	2,384	1	10
60	73.8%	982	21	3	187	40	585	77	663	257	7	1,293	1,300	596	1,882	2,476	57%	57%	100%	2,370	1	10
61	75.0%	982	21	3	178	40	580	77	657	257	7	1,287	1,295	591	1,864	2,474	57%	57%	100%	2,368	1	10
62	76.3%	982	21	3	178	40	576	76	653	256	7	1,284	1,292	587	1,860	2,471	57%	57%	100%	2,351	1	10
63	77.5%	982	20	3	175	40	573	76	649	255	7	1,278	1,286	583	1,858	2,465	56%	56%	100%	2,348	1	10
64	78.8%	982	20	3	174	39	566	75	641	252	7	1,274	1,280	576	1,843	2,445	56%	56%	100%	2,321	1	10
65	80.0%	982	20	3	172	39	564	75	639	246	7	1,262	1,269	575	1,808	2,398	56%	56%	100%	2,320	1	10
66	81.3%	982	19	3	172	39	560	74	635	245	7	1,233	1,241	570	1,786	2,348	55%	55%	100%	2,301	1	10
67	82.5%	982	19	3	170	38	552	73	625	243	7	1,215	1,222	562	1,778	2,327	54%	54%	100%	2,266	1	8
68	83.8%	971	19	3	169	38	542	72	614	241	7	1,207	1,214	552	1,751	2,315	53%	53%	100%	2,227	1	8
69	85.0%	967	19	3	161	37	539	72	610	231	7	1,179	1,185	548	1,686	2,238	53%	53%	100%	2,207	1	8
70	86.3%	967	18	3	159	35	498	66	564	230	6	1,157	1,164	507	1,680	2,216	49%	49%	100%	2,046	1	8
71	87.5%	963	17	3	156	34	492	65	557	229	6	1,149	1,156	501	1,668	2,181	49%	49%	100%	1,979	1	8
72	88.8%	962	16	3	138	31	445	59	504	201	6	997	1,003	453	1,443	1,896	44%	44%	100%	1,827	1	8
73	90.0%	959	15	2	134	29	415	55	470	178	5	886	891	423	1,293	1,716	41%	41%	100%	1,707	1	6
74	91.3%	920	14	2	131	28	407	54	461	174	5	868	873	414	1,264	1,678	40%	40%	100%	1,672	0	6
75	92.5%	876	14	2	126	27	394	52	446	168	5	837	842	401	1,233	1,634	39%	39%	100%	1,613	0	6
76	93.8%	600	13	2	116	27	383	51	434	164	5	818	823	390	1,188	1,579	38%	38%	50%	1,571	0	4
77	95.0%	592	12	2	114	24	350	46	396	155	4	766	770	356	1,118	1,474	34%	34%	50%	1,438	0	2
78	96.3%	587	11	2	100	21	302	40	342	130	4	644	648	307	946	1,253	30%	30%	50%	1,242	0	2
79	97.5%	585	10	2	93	20	289	38	327	124	4	616	620	294	899	1,193	29%	29%	50%	1,182	0	2
80	98.8%	570	9	2	90	19	274	36	310	118	3	584	588	279	859	1,138	27%	27%	50%	1,126	0	2
81	100.0%	379	6	1	56	12	177	23	200	87	2	421	423	180	606	786	17%	17%	50%	727	0	2

Table WS-SWP-3k

			No Action Alternative																				
			State Water Project (SWP) Contract Deliveries																State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3	BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5	C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4	D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4	D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1	W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2	AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5	C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4	D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5	C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4	D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5	C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5	C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3	BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3	BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3	BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1	W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4	D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2	AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1	W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1	W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1	W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4	D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3	BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3	BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4	D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3	BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4	D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3	BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2	AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1	W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1	W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2	AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4	D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1	W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2	AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1	W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3	BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4	D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4	D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3	BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1	W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4	D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1	W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3	BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1	W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3	BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1	W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1	W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1	W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3	BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2	AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1	W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1	W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5	C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5	C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2	AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3	BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2	AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4	D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1	W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1	W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1	W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642	77%	77%	100%	2,988	93	562
1985	4	D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920	73%	73%	100%	2,832	80	8
1986	1	W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640	87%	87%	100%	3,376	169	94
1987	4	D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	97	10
1988	5	C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	7
1989	4	D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658	67%	67%	100%	2,650	0	8
1990	5	C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089	23%	23%	100%	967	114	8
1991	5	C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	12
1992	5	C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098	26%	26%	100%	1,088	0	10
1993	2	AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897	74%	74%	100%	2,885	0	12
1994	5	C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327	51%	51%	100%	2,118	198	10
1995	1	W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314	85%	85%	100%	3,310	2	1
1996	1	W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932	69%	69%	100%	2,690	228	14
1997	1	W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477	83%	83%	100%	3,225	168	84
1998	1	W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814	92%	92%	100%	3,584	226	4
1999	1	W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947	68%	68%	100%	2,685	245	16
2000	2	AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788	65%	65%	100%	2,612	162	14
2001	4	D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	97	14
2002	4	D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,682	68%	68%	100%	2,669	0	13

Table WS-SWP-3k

		No Action Alternative															No Action Alternative					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639	62%	62%	96%	2,496	91	51
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468	34%	34%	82%	1,386	37	44
	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338	80%	80%	100%	3,132	124	81
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840	69%	69%	100%	2,730	67	44
AVG:	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758	64%	64%	100%	2,593	120	45
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296	54%	54%	100%	2,202	62	32
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316	30%	30%	75%	1,234	52	30
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133	100%	100%	100%	3,896	267	549
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022	100%	100%	100%	3,896	245	420
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960	100%	100%	100%	3,894	242	306
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814	95%	95%	100%	3,593	233	297
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799	92%	92%	100%	3,584	233	266
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711	90%	90%	100%	3,501	228	247
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669	87%	87%	100%	3,377	227	169
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642	87%	87%	100%	3,377	226	155
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640	87%	87%	100%	3,376	217	126
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604	87%	87%	100%	3,376	217	94
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573	85%	85%	100%	3,310	214	84
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477	83%	83%	100%	3,225	210	61
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334	81%	81%	100%	3,147	208	59
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314	81%	81%	100%	3,147	200	20
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280	80%	80%	100%	3,110	198	19
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249	78%	78%	100%	3,054	197	19
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206	77%	77%	100%	2,988	196	17
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156	76%	76%	100%	2,973	195	16
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090	75%	75%	100%	2,908	195	16
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067	74%	74%	100%	2,885	192	16
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003	73%	73%	100%	2,858	189	16
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985	73%	73%	100%	2,856	187	16
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958	73%	73%	100%	2,855	171	15
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947	73%	73%	100%	2,844	169	15
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932	73%	73%	100%	2,838	168	15
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920	73%	73%	100%	2,832	162	15
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897	71%	71%	100%	2,771	162	14
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870	71%	71%	100%	2,755	137	14
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869	70%	70%	100%	2,720	125	14
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853	69%	69%	100%	2,697	119	14
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850	69%	69%	100%	2,690	114	14
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846	68%	68%	100%	2,685	111	14
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840	68%	68%	100%	2,682	99	14
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830	68%	68%	100%	2,669	97	14
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803	67%	67%	100%	2,650	97	14
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788	67%	67%	100%	2,645	93	14
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787	66%	66%	100%	2,638	91	14
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775	66%	66%	100%	2,630	88	14
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720	65%	65%	100%	2,615	86	14
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714	65%	65%	100%	2,612	80	13
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682	65%	65%	100%	2,602	66	13
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674	63%	63%	100%	2,574	47	13
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658	62%	62%	100%	2,536	44	12
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634	62%	62%	100%	2,534	21	12
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620	61%	61%	100%	2,510	21	12
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600	61%	61%	100%	2,506	5	12
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565	60%	60%	100%	2,482	2	12
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551	59%	59%	100%	2,452	2	12
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543	59%	59%	100%	2,444	1	12
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536	58%	58%	100%	2,426	1	12
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525	58%	58%	100%	2,424	1	12
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521	58%	58%	100%	2,416	1	12
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510	58%	58%	100%	2,400	1	11
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496	55%	55%	100%	2,306	1	11
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461	55%	55%	100%	2,289	1	10
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461	55%	55%	100%	2,275	1	10
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446	55%	55%	100%	2,272	1	10
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441	54%	54%	100%	2,240	1	10
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426	53%	53%	100%	2,188	1	10
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327	52%	52%	100%	2,146	1	10
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313	51%	51%	100%	2,118	1	10
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199	50%	50%	100%	2,084	1	10
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105	49%	49%	100%	2,044	1	10
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055	48%	48%	100%	2,009	1	9
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006	48%	48%	100%	1,993	1	8
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995	48%	48%	100%	1,985	1	8
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985	48%	48%	100%	1,978	1	8
69	85.0%	967	15	2	140	29	484	55	548	183	6	973	980	493	1,384	1,934	41%	41%	100%	1,687	0	8
70	86.3%	967	14	2	137	27	483	52	547	176	6	944	951	491	1,348	1,888	39%	39%	100%	1,621	0	8
71	87.5%	963	14	2	129	27	384	51	436	170	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	0	8
72	88.8%	962	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	0	8
73	90.0%	959	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	100%	1,288	0	8
74	91.3%	920	9	1	84	18	266	35	301	133	3	641	645	271	919	1,180	26%	26%	100%	1,088	0	7
75	92.5%	876	9	1	83	18	256	34	290	114	3	603	606	261	850	1,098	25%	25%	100%	1,051	0	6
76	93.8%	600	9	1	79	17	241	32	273	112	3	567	571	245	827	1,089	24%	24%	50%	985	0	4
77	95.0%	592	8	1	75	17	238	32	270	103	3	514	517	243	748	993	24%	24%	50%	976	0	2
78	96.3%	587	8	1	73	16	235	31	266	103	3	508	511	239	742	985	23%	23%	50%	967	0	2
79	97.5%	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	2
80	98.8%	585	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	1
81	100.0%	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1

Table WS-CVP-3a

Alternative A
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	63%	49%	86%	80%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	94%	78%	99%	94%	100%	100%	100%
Above Normal (15%)	86%	58%	97%	84%	100%	100%	100%
Below Normal (17%)	61%	41%	87%	77%	100%	100%	100%
Dry (22%)	41%	34%	78%	74%	99%	99%	99%
Critical (15%)	11%	10%	59%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,167	519	1,686	2,795	566
Water Year Types[2]					
Wet (32%)	1,823	530	2,354	2,806	591
Above Normal (15%)	1,435	525	1,960	2,824	582
Below Normal (17%)	1,004	517	1,522	2,855	588
Dry (22%)	807	521	1,328	2,840	567
Critical (15%)	228	487	715	2,606	469

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	432	44	90
Water Year Types[2]			
Wet (32%)	454	62	76
Above Normal (15%)	444	50	88
Below Normal (17%)	451	53	84
Dry (22%)	432	32	104
Critical (15%)	355	6	109

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3a

Alternative A

4-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	222	212	1,943	296	16	852	37	291	612
Water Year Types[2]									
Wet (32%)	327	241	1,931	471	18	875	58	271	967
Above Normal (15%)	306	240	1,949	351	17	875	43	267	735
Below Normal (17%)	217	217	1,980	245	15	875	30	285	512
Dry (22%)	147	193	1,977	205	15	864	25	313	429
Critical (15%)	38	148	1,865	59	12	741	7	327	124

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A

5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	159	1	26	261	35	52	12	8	12
Water Year Types[2]									
Wet (32%)	173	1	26	269	49	40	12	12	9
Above Normal (15%)	163	1	27	269	39	49	12	9	12
Below Normal (17%)	170	1	27	269	42	46	12	10	11
Dry (22%)	154	1	27	265	25	62	12	6	15
Critical (15%)	120	0	23	224	5	69	10	1	17

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A

6-NODOS Local Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3b

No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	60%	48%	85%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,138	516	1,654	2,786	562
Water Year Types[2]					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	428	0	134
Water Year Types[2]			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3b

No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	213	211	1,934	290	16	852	36	290	599
Water Year Types[2]									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	155	0	27	261	0	86	12	0	20
Water Year Types[2]									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3c

Difference: Alternative A minus No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	3%	1%	1%	0%	0%	0%	0%
Water Year Types[2]							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	2%	0%	1%	0%	0%	0%	0%
Below Normal (17%)	6%	2%	4%	1%	0%	0%	0%
Dry (22%)	4%	3%	1%	0%	0%	0%	0%
Critical (15%)	1%	0%	1%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	29	3	32	9	4
Water Year Types[2]					
Wet (32%)	4	1	4	5	4
Above Normal (15%)	12	4	16	7	5
Below Normal (17%)	52	8	61	6	6
Dry (22%)	75	3	78	5	3
Critical (15%)	4	1	5	28	5

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	4	44	-44
Water Year Types[2]			
Wet (32%)	4	62	-62
Above Normal (15%)	5	50	-50
Below Normal (17%)	6	53	-53
Dry (22%)	3	32	-32
Critical (15%)	5	6	-6

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3c

Difference: Alternative A minus No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	10	2	9	6	0	0	1	1	13
Water Year Types[2]									
Wet (32%)	4	0	5	1	0	0	0	0	-1
Above Normal (15%)	9	2	7	-1	0	0	0	1	5
Below Normal (17%)	20	7	6	10	0	0	1	1	21
Dry (22%)	16	2	5	17	0	0	2	1	40
Critical (15%)	2	0	28	-1	0	0	0	1	2

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	4	1	-1	0	35	-35	0	8	-8
Water Year Types[2]									
Wet (32%)	4	1	-1	0	49	-49	0	12	-12
Above Normal (15%)	5	1	-1	0	39	-39	0	9	-9
Below Normal (17%)	6	1	-1	0	42	-42	0	10	-10
Dry (22%)	3	1	-1	0	25	-25	0	6	-6
Critical (15%)	5	0	0	0	5	-5	0	1	-1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative

6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3d

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	Ag Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	60%	48%	1,138
Alternative A	63%	49%	1,167
Difference	3%	1%	29
Percent Difference[3]			2.6%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative A	94%	78%	1,823
Difference	1%	0%	4
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative A	86%	58%	1,435
Difference	2%	0%	12
Percent Difference			0.8%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative A	61%	41%	1,004
Difference	6%	2%	52
Percent Difference			5.5%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative A	41%	34%	807
Difference	4%	3%	75
Percent Difference			10.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative A	11%	10%	228
Difference	1%	0%	4
Percent Difference			1.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

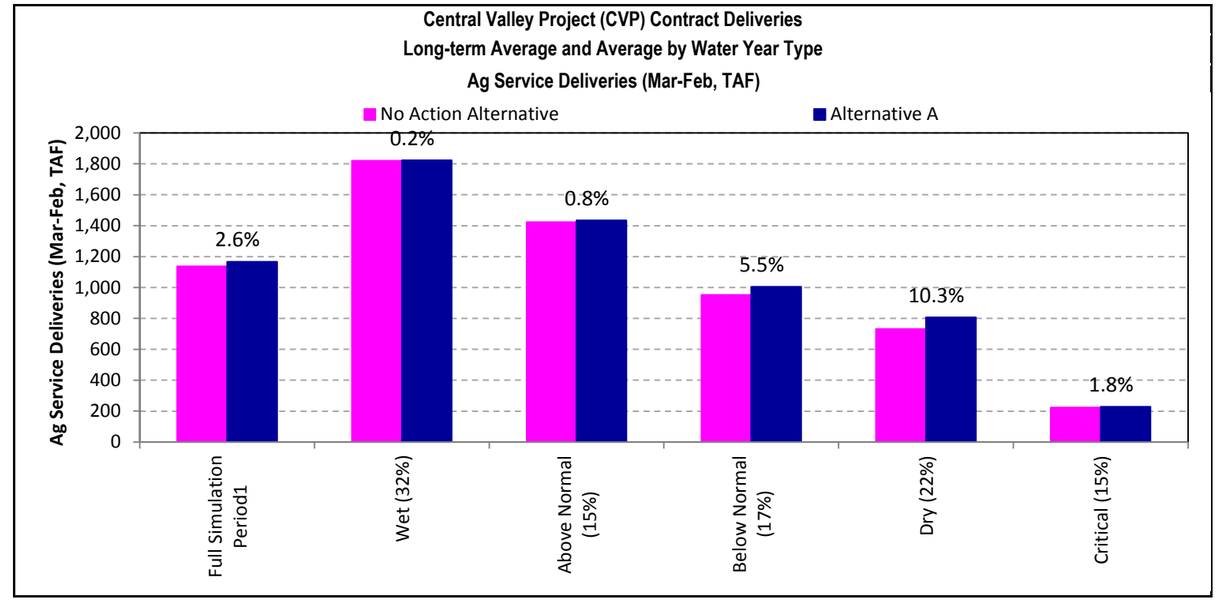

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Figure WS-CVP-3e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

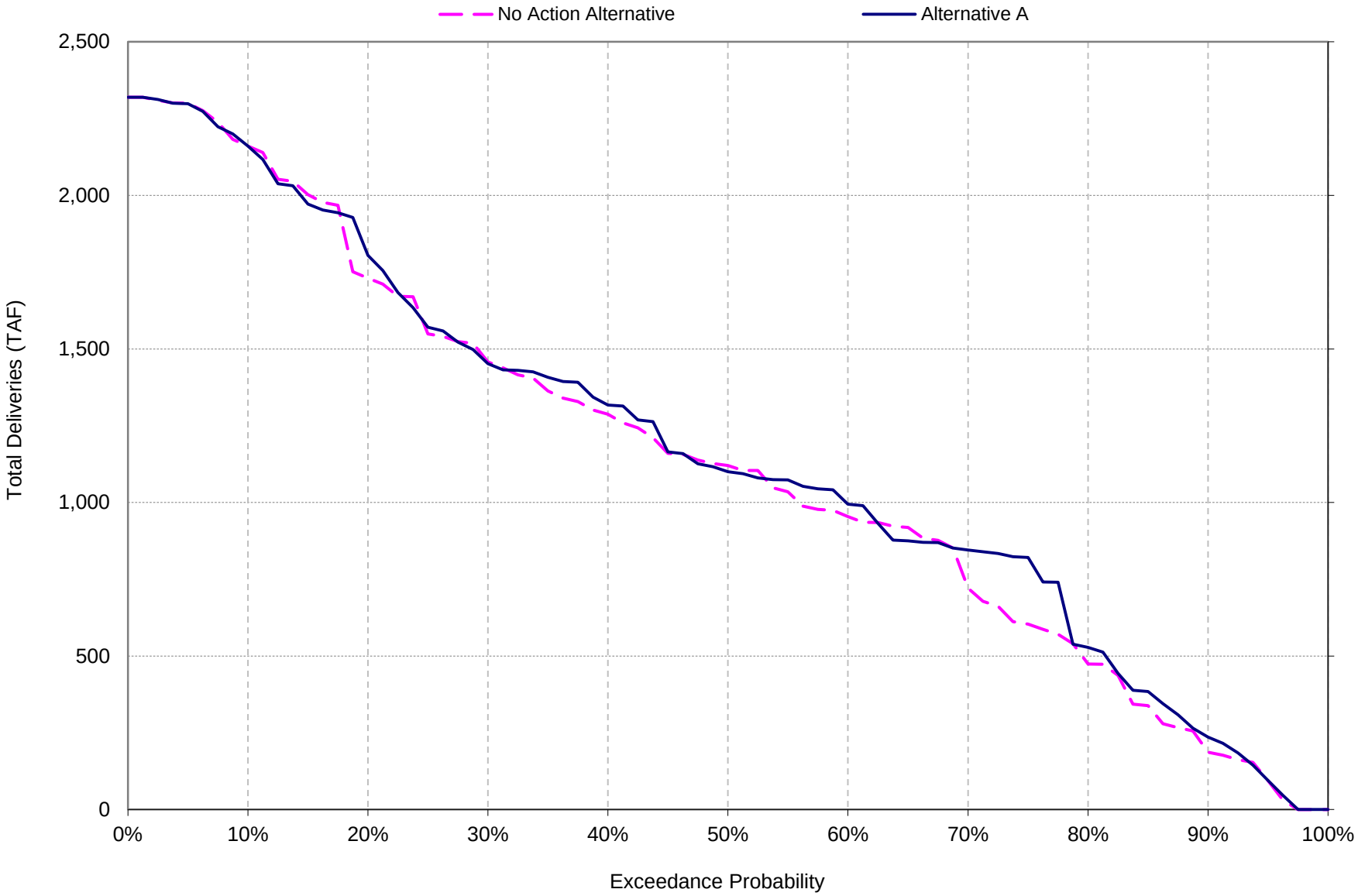

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Table WS-CVP-3f

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	85%	79%	516
Alternative A	86%	80%	519
Difference	1%	0%	3
Percent Difference[3]			0.5%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative A	99%	94%	530
Difference	0%	0%	1
Percent Difference			0.1%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative A	97%	84%	525
Difference	1%	0%	4
Percent Difference			0.7%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative A	87%	77%	517
Difference	4%	1%	8
Percent Difference			1.6%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative A	78%	74%	521
Difference	1%	0%	3
Percent Difference			0.5%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative A	59%	58%	487
Difference	1%	0%	1
Percent Difference			0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

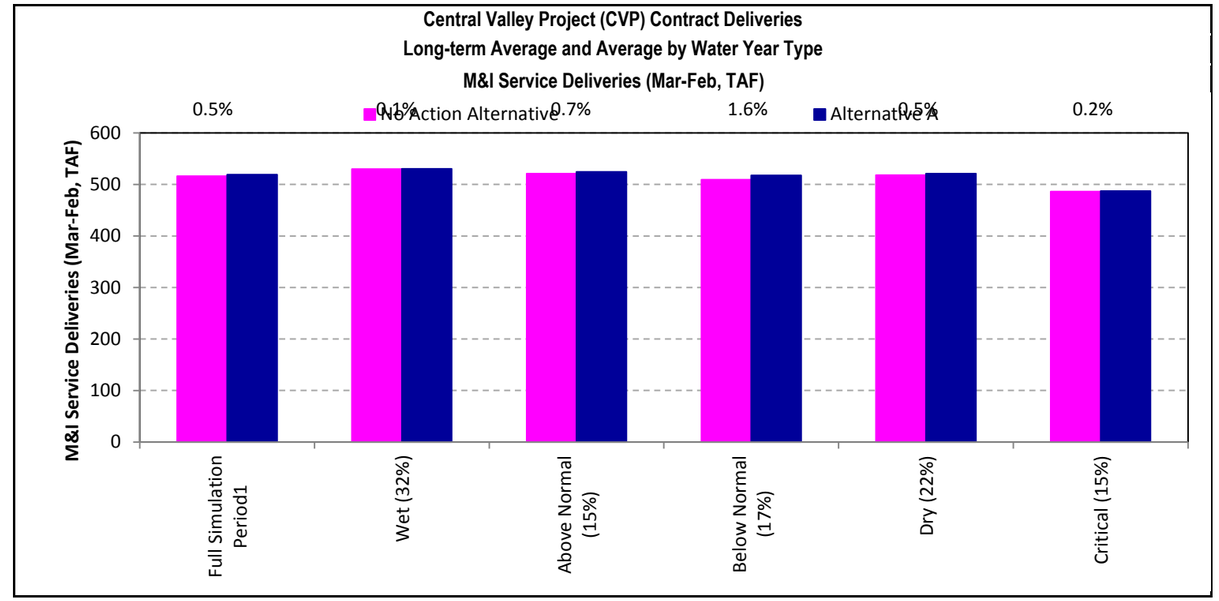

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Figure WS-CVP-3g

Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

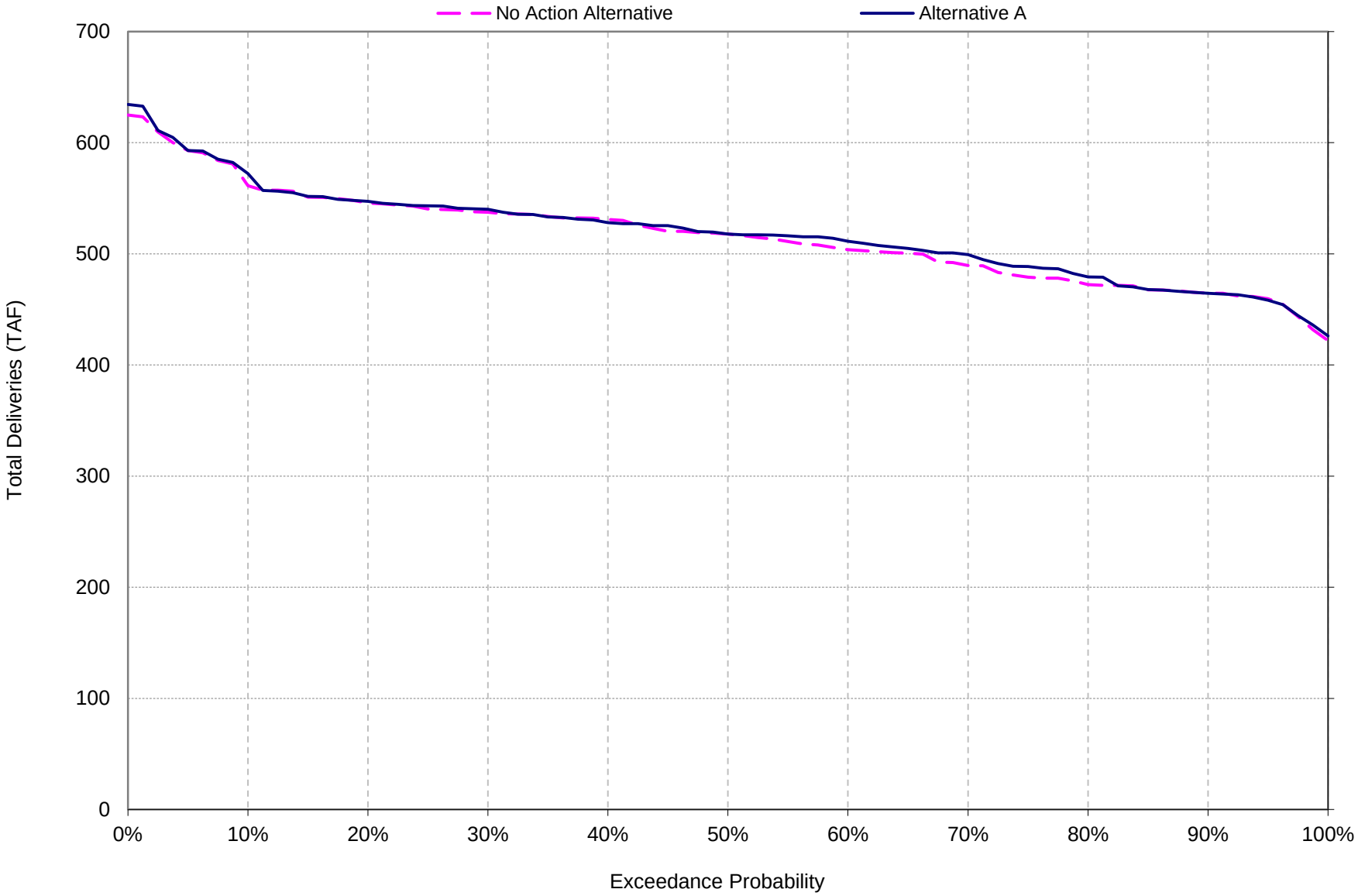

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Table WS-CVP-3h

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	97%	97%	2,786
Alternative A	97%	97%	2,795
Difference	0%	0%	9
Percent Difference[3]			0.3%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative A	100%	100%	2,806
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative A	100%	100%	2,824
Difference	0%	0%	7
Percent Difference			0.3%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative A	100%	100%	2,855
Difference	0%	0%	6
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative A	99%	99%	2,840
Difference	0%	0%	5
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative A	83%	85%	2,606
Difference	0%	0%	28
Percent Difference			1.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

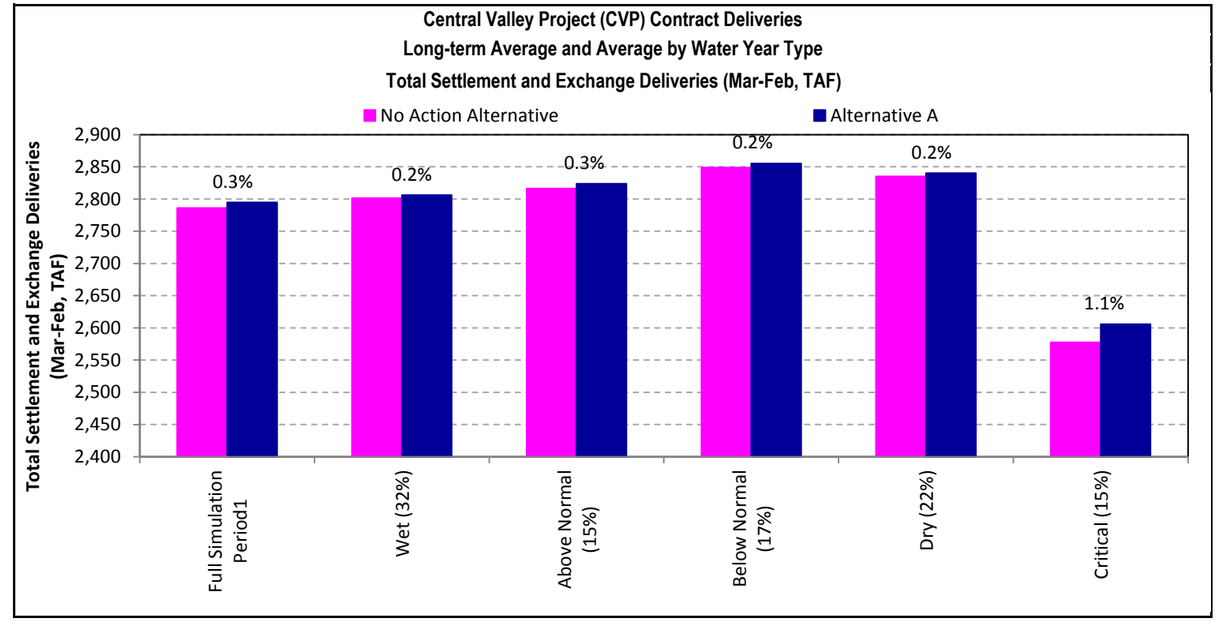

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Figure WS-CVP-3i

Central Valley Project (CVP) Settlement and Exchange Contract Deliveries Probability Exceedance Chart

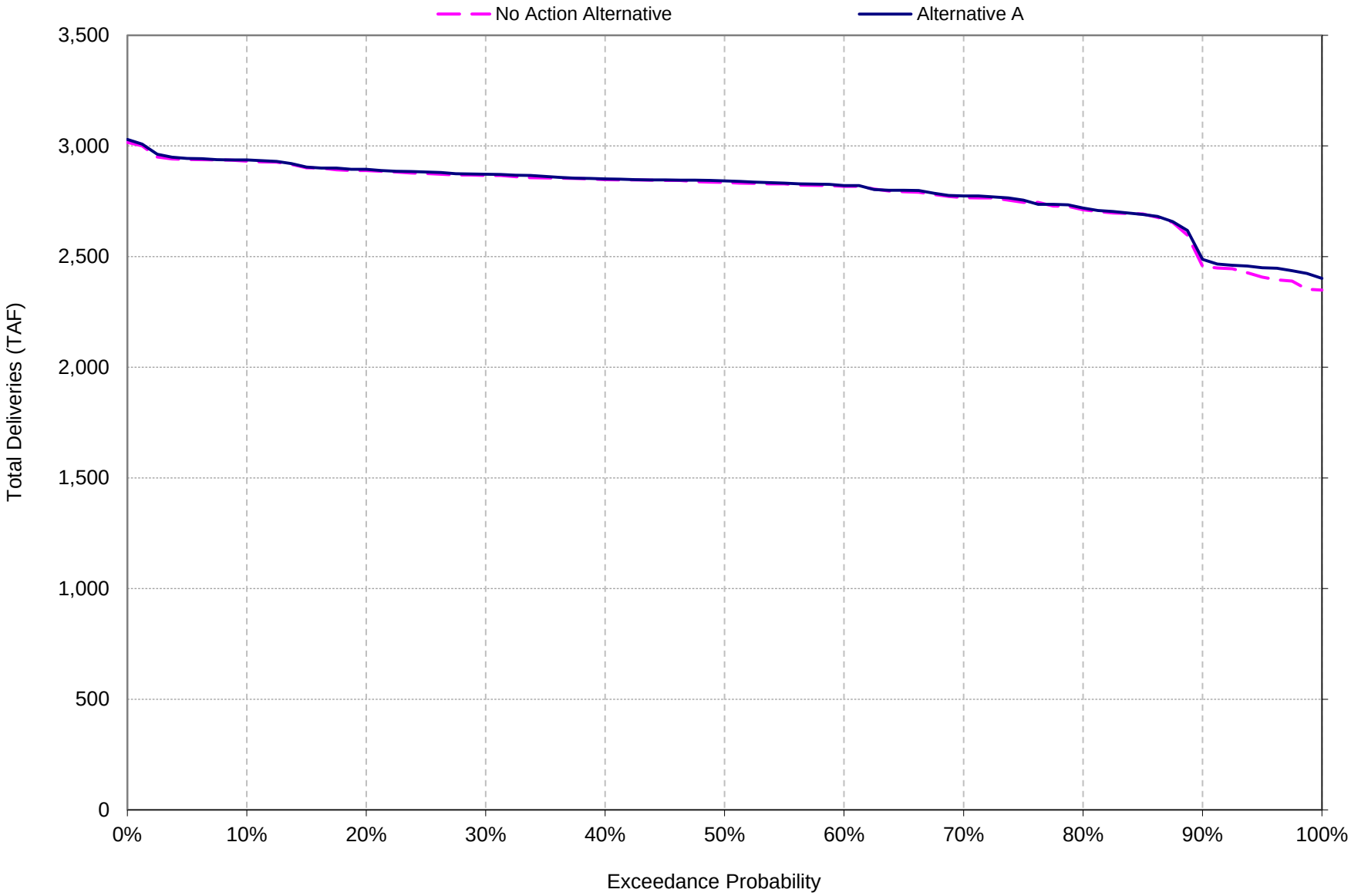

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Table WS-CVP-3j

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	97%	428
Alternative A	97%	432
Difference	0%	4
Percent Difference[3]		1.0%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	450
Alternative A	100%	454
Difference	0%	4
Percent Difference		1.0%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative A	100%	444
Difference	0%	5
Percent Difference		1.1%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative A	100%	451
Difference	0%	6
Percent Difference		1.3%
Dry (22%)		
No Action Alternative	99%	429
Alternative A	99%	432
Difference	0%	3
Percent Difference		0.7%
Critical (15%)		
No Action Alternative	83%	350
Alternative A	83%	355
Difference	0%	5
Percent Difference		1.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

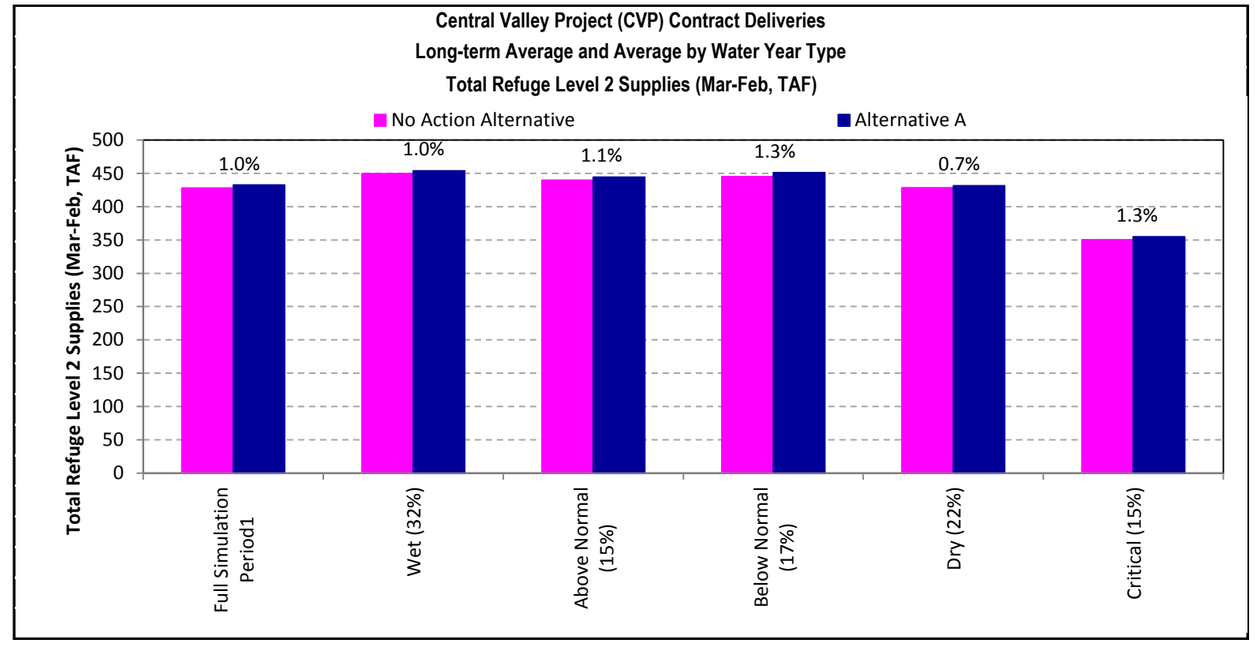

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Figure WS-CVP-3k

Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart

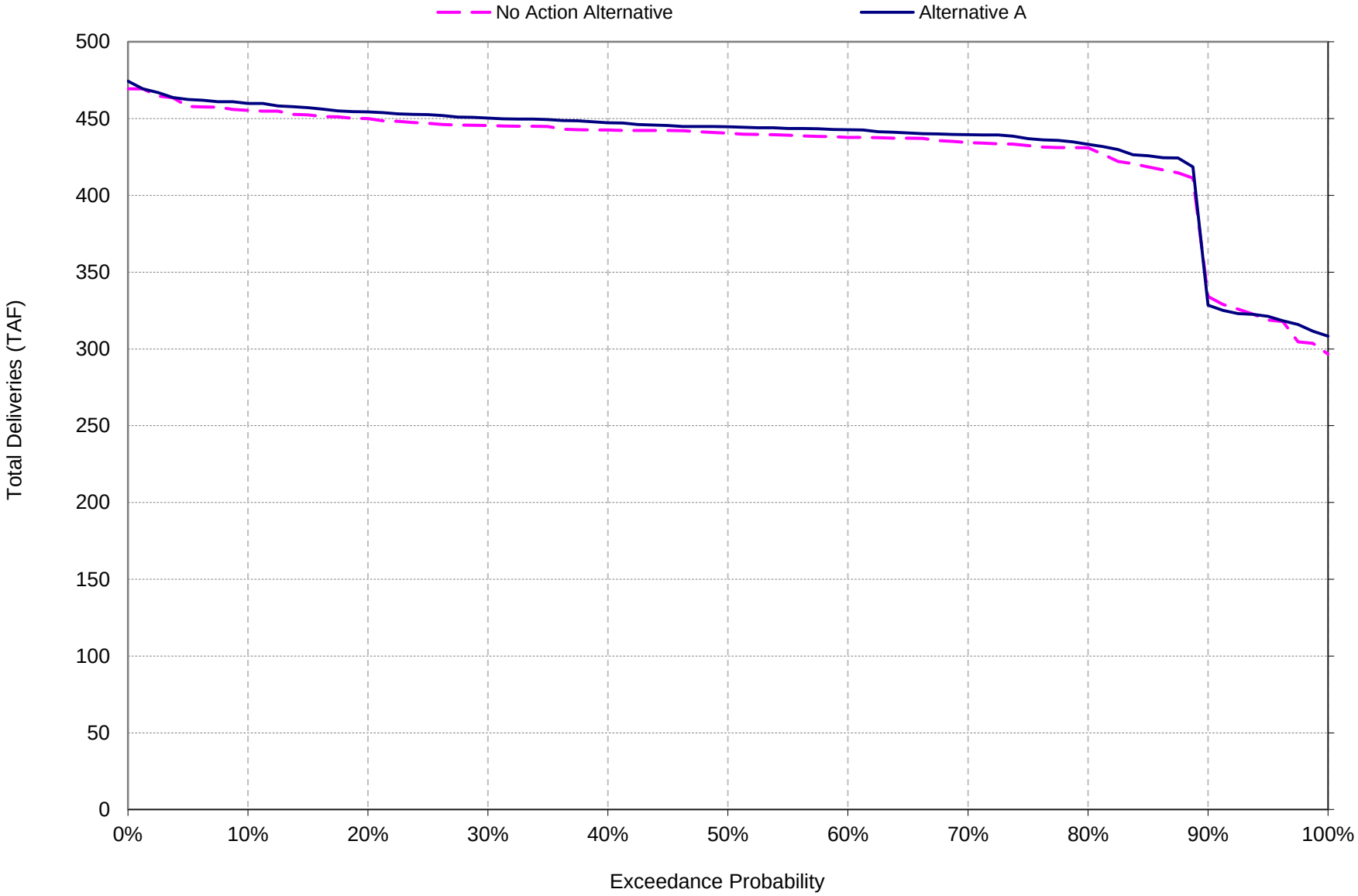

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Table WS-CVP-3l

Alternative A

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	166	1	26	0	2,825	489	20	875	269	51	38	1,741	60	288	348	1,022	12	12	9	1,056
1923	3	BN	239	219	2,007	164	1	27	0	2,658	259	15	875	269	37	52	1,506	32	261	293	543	12	8	13	576
1924	5	C	22	148	1,784	105	0	21	0	2,080	38	11	674	202	0	66	991	5	328	332	80	9	0	16	105
1925	4	D	199	194	1,862	159	0	28	0	2,442	329	16	875	269	0	89	1,578	41	281	322	693	12	0	21	727
1926	4	D	53	173	1,880	151	0	28	0	2,285	91	13	875	269	0	89	1,336	11	347	358	190	12	0	21	223
1927	1	W	357	245	1,971	163	1	27	0	2,763	377	17	875	269	35	54	1,627	46	263	309	790	12	8	13	823
1928	2	AN	154	194	1,976	152	1	27	0	2,504	222	15	875	269	12	77	1,470	27	256	283	465	12	3	18	498
1929	5	C	0	133	2,045	143	0	28	0	2,350	0	10	875	269	4	85	1,242	0	324	324	0	12	0	21	33
1930	4	D	61	166	1,946	157	0	28	0	2,358	101	13	875	269	2	87	1,346	13	354	367	210	12	0	21	244
1931	5	C	33	161	1,787	101	0	21	0	2,103	57	12	674	202	0	66	1,010	7	263	270	119	9	0	16	144
1932	4	D	47	154	1,793	118	0	21	0	2,134	81	13	674	202	0	66	1,035	10	259	269	170	9	0	16	195
1933	5	C	7	128	1,814	111	0	21	0	2,081	12	10	674	202	0	66	964	2	325	327	25	9	0	16	50
1934	5	C	28	144	1,775	107	0	21	0	2,077	48	12	674	202	0	66	1,002	6	345	351	102	9	0	16	127
1935	3	BN	74	180	1,895	173	0	28	0	2,350	113	14	875	269	0	89	1,359	15	251	266	241	12	0	21	275
1936	3	BN	160	189	1,946	176	1	27	0	2,499	274	15	875	269	35	54	1,521	34	261	295	574	12	8	13	607
1937	3	BN	134	207	1,953	193	1	27	0	2,516	223	15	875	269	49	40	1,470	28	260	288	466	12	12	9	499
1938	1	W	357	240	1,951	183	1	26	0	2,759	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1939	4	D	127	187	2,154	145	0	27	0	2,641	217	15	875	269	19	70	1,464	27	383	410	453	12	3	18	486
1940	2	AN	299	249	1,911	163	1	27	0	2,650	247	15	875	269	28	61	1,494	31	256	287	517	12	6	15	550
1941	1	W	329	248	1,806	172	1	27	0	2,582	531	20	875	269	51	38	1,783	66	280	345	1,112	12	12	9	1,145
1942	1	W	349	240	1,860	169	1	26	0	2,646	509	17	875	269	51	38	1,758	63	280	342	1,032	12	12	9	1,065
1943	1	W	278	243	1,982	164	1	26	0	2,695	474	20	875	269	51	38	1,727	58	280	338	994	12	12	9	1,028
1944	4	D	83	180	1,970	158	1	27	0	2,419	142	15	875	269	51	38	1,388	17	272	289	297	12	12	9	330
1945	3	BN	233	223	1,923	173	1	26	0	2,580	373	17	875	269	51	38	1,623	46	275	321	779	12	12	9	813
1946	3	BN	296	238	2,069	171	1	27	0	2,802	346	16	875	269	44	45	1,594	43	269	312	724	12	10	11	757
1947	4	D	174	179	1,998	165	1	27	0	2,543	281	15	875	269	40	49	1,528	35	274	309	585	12	11	10	618
1948	3	BN	285	227	1,743	167	2	26	0	2,450	167	15	875	269	49	40	1,414	21	258	279	348	12	12	9	381
1949	4	D	243	223	1,992	161	1	26	0	2,647	320	16	875	269	51	38	1,568	40	278	318	666	12	12	9	700
1950	3	BN	133	204	2,026	169	1	27	0	2,558	222	15	875	269	51	38	1,469	28	261	288	463	12	12	9	497
1951	2	AN	342	247	1,993	158	1	27	0	2,767	378	17	875	269	30	59	1,628	46	271	318	792	12	6	15	826
1952	1	W	357	246	1,962	179	1	26	0	2,771	608	20	875	269	51	38	1,860	75	280	355	1,273	12	12	9	1,306
1953	1	W	353	238	1,965	168	1	26	0	2,751	232	15	875	269	51	38	1,480	29	248	277	486	12	12	9	520
1954	2	AN	353	246	1,902	160	1	27	0	2,688	251	15	875	269	30	59	1,498	31	256	287	525	12	6	15	558
1955	4	D	161	190	2,020	158	1	26	0	2,557	275	15	875	269	51	38	1,522	34	274	308	575	12	12	9	609
1956	1	W	357	245	1,997	174	2	26	0	2,800	502	20	875	269	51	38	1,754	61	280	341	1,051	12	12	9	1,085
1957	2	AN	249	236	1,979	160	1	27	0	2,653	193	15	875	269	51	38	1,440	24	256	280	404	12	12	9	437
1958	1	W	336	243	1,845	181	1	26	0	2,633	602	20	875	269	51	38	1,854	75	280	354	1,261	12	12	9	1,294
1959	3	BN	234	217	2,087	154	2	26	0	2,720	186	15	875	269	51	38	1,434	23	373	396	390	12	12	9	424
1960	4	D	116	175	1,980	159	1	27	0	2,458	194	15	875	269	40	49	1,441	24	326	350	406	12	11	10	439
1961	4	D	184	184	1,972	156	0	28	0	2,525	280	13	875	269	2	87	1,525	35	274	309	581	12	0	21	615
1962	3	BN	280	247	2,014	163	0	27	0	2,731	240	15	875	269	24	65	1,487	30	373	402	503	12	6	15	536
1963	1	W	341	243	1,834	170	1	26	0	2,615	328	16	875	269	51	38	1,575	40	252	293	686	12	12	9	719
1964	4	D	135	194	2,068	165	1	27	0	2,589	230	15	875	269	40	49	1,477	28	327	355	482	12	11	10	515
1965	1	W	266	237	1,952	164	1	27	0	2,647	444	17	875	269	51	38	1,693	56	274	330	867	12	12	9	901
1966	3	BN	332	242	2,062	170	1	26	0	2,833	244	15	875	269	51	38	1,491	30	261	291	511	12	12	9	544
1967	1	W	338	241	1,815	180	2	26	0	2,602	609	20	875	269	51	38	1,861	75	280	355	1,276	12	12	9	1,310
1968	3	BN	227	223	1,957	163	1	27	0	2,597	190	15	875	269	51	38	1,438	23	355	378	399	12	12	9	432
1969	1	W	357	248	2,005	179	1	26	0	2,817	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1970	1	W	238	229	2,010	163	1	27	0	2,668	377	17	875	269	30	59	1,627	46	263	309	790	12	6	15	823
1971	1	W	319	242	2,062	169	1	27	0	2,820	191	15	875	269	51	38	1,438	23	248	271	399	12	12	9	432
1972	3	BN	197	213	2,074	166	1	27	0	2,678	246	15	875	269	51	38	1,493	30	261	291	516	12	12	9	549
1973	2	AN	345	252	1,972	172	1	27	0	2,769	326	16	875	269	51	38	1,573	40	260	300	681	12	12	9	714
1974	1	W	353	243	1,925	180	1	26	0	2,728	525	17	875	269	51	38	1,775	65	280	344	1,090	12	12	9	1,123
1975	1	W	357	240	2,000	173	1	27	0	2,798	367	15	875	269	51	38	1,614	45	260	306	729	12	12	9	763
1976	5	C	36	156	2,133	160	2	26	0	2,513	62	12	875	269	51	38	1,306	8	346	354	130	12	12	9	163
1977	5	C	15	120	1,728	98	0	21	0	1,981	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	246	1,925	169	2	26	0	2,723	574	20	875	269	49	40	1,826	71	286	357	1,199	12	12	9	1,232
1979	3	BN	219	218	1,969	177	1	26	0	2,612	341	16	875	269	51	38	1,589	42	269	311	711	12	12	9	745
1980	2	AN	299	247	1,967	177	1	26	0	2,718	511	20	875	269	51	38	1,763	63	288	351	1,070	12	12	9	1,104
1981	4	D	267	250	1,928	162	1	27	0	2,635	226	15	875	269	51	38	1,473	28	368	395	474	12	12	9	507
1982	1	W	328	252	1,829	181	1	27	0	2,617	609	20	875	269	51	38	1,862	75	280	355	1,149	12	12	9	1,182
1983	1	W	338	256	1,822	188	1	27	0	2,632	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1984	1	W	331	250	2,063	168	1	27	0	2,840	378	17	875	269	51	38	1,628	46	263	310	766	12	12	9	799
1985	4	D	255	228	1,998	162	1	27	0	2,671	271	15	875	269	41	48	1,518	33	274	307	567	12	8	13	601
1986	1	W	222	210	1,988	171	2	26	0	2,618	374	17	875	269	51	38	1,624	46	262	308	782	12	12	9	816
1987	4	D	82	190	2,030	143	0	27	0	2,472	134	14	875	269	18	70	1,381	17	368	385	280	12	3	18	313
1988	5	C	0	132	2,010	138	0	28	0	2,308	0	10	875	269	2	87	1,242	0	316	316	0	12	0	21	33
1989	4	D	87	178	1,975	155	0	28	0	2,423	138	14	875	269	0	89	1,384	18	269	286	286	12	0	21	319
1990	5	C	0	127	2,019	145	0	28	0	2,319	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	41	164	1,763	112	0	21	0	2,100	70	12	674	202	0	66	1,023	9	344	352	146	9	0	16	171
1992	5	C	60	165	1,750	114	0	21	0	2,111	102	13	674	202	0	66	1,057	13	292	305	213	9	0	16	238
1993	2	AN	270	249	1,899	162	2	26	0	2,607	334	16	875	269	49	40	1,582	42	262	304	697	12	12	9	730
1994	5	C	213	200	1,774	112	0	21	0	2,319	296	15	674	202	0	66	1,252	36	396	432	620	9	0	16	645
1995	1	W	353	244	1,899	175	1	27	0	2,698	582	20	875	269	51	38	1,834	72	280	352	1,217	12	12	9	1,250
1996	1	W	343	241	1,862	164	1	26	0	2,637	432	17	875	269	51	38	1,681	53	274	327	855	12	12	9	889
1997	1	W	279	228	2,058	164	1	27	0	2,757	476	17	875	269	41	48	1,726	58	280	338	942	12	8	13	976
1998	1	W	312	249	1,783	186	1	27	0	2,558	600	20	875	269	51	38	1,852	74	280	354	1,130	12	12	9	1,163
1999	1	W	357	224	1,972	167	1	26	0	2,747	299	15	875	269	51	38	1,546	37	248	285	625	12	12	9	658
2000	2	AN	339	227	1,891	159	1	27	0	2,643	339	16	875	269	33	55	1,588	42	263	305	710	12	9	13	743
2001	4	D	115	192	1,959	149	1	26	0	2,443	195	15	875	269	51	38	1,442	24	386	410	407	12	12	9	441
2002	4	D	251	240	2,056	155	0	28	0	2,729	195	15	875	269	2	87	1,442	24	327	351	408	12	0	21	442

Table WS-CVP-3I

Alternative A

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		222	212	1,943	159	1	26	0	2,564	296	16	852	261	35	52	1,511	37	291	327	612	12	8	12	645
MIN:		0	120	1,728	98	0	21	0	1,981	0	10	674	202	0	38	964	0	248	266	0	9	0	9	33
MAX:		357	256	2,154	193	2	28	0	2,840	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
DP:	29-34, 76-77 and 87-92	36	151	1,898	129	0	24	0	2,238	59	12	774	235	5	72	1,158	7	318	326	124	11	1	17	153
AVG:	W	327	241	1,931	173	1	26	0	2,700	471	18	875	269	49	40	1,722	58	271	329	967	12	12	9	1,000
	AN	306	240	1,949	163	1	27	0	2,686	351	17	875	269	39	49	1,600	43	267	311	735	12	9	12	768
	BN	217	217	1,980	170	1	27	0	2,613	245	15	875	269	42	46	1,492	30	285	315	512	12	10	11	545
	D	147	193	1,977	154	1	27	0	2,498	205	15	864	265	25	62	1,436	25	313	339	429	12	6	15	462
	C	38	148	1,865	120	0	23	0	2,195	59	12	741	224	5	69	1,109	7	327	335	124	10	1	17	152
Rank	**Probability of Exceedence**																							
1	0.0%	357	256	2,154	193	2	28	0	2,840	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
2	1.3%	357	252	2,133	188	2	28	0	2,833	610	20	875	269	51	89	1,862	75	386	410	1,278	12	12	21	1,311
3	2.5%	357	252	2,087	186	2	28	0	2,825	610	20	875	269	51	89	1,862	75	383	410	1,278	12	12	21	1,311
4	3.8%	357	250	2,074	183	2	28	0	2,820	609	20	875	269	51	89	1,862	75	373	402	1,276	12	12	21	1,310
5	5.0%	357	250	2,069	181	2	28	0	2,817	609	20	875	269	51	89	1,861	75	373	396	1,273	12	12	21	1,306
6	6.3%	357	249	2,068	181	2	28	0	2,802	608	20	875	269	51	87	1,860	75	368	395	1,261	12	12	21	1,294
7	7.5%	357	249	2,063	180	2	28	0	2,800	602	20	875	269	51	87	1,854	75	368	385	1,217	12	12	21	1,250
8	8.8%	357	249	2,062	180	2	28	0	2,798	600	20	875	269	51	87	1,852	74	355	378	1,199	12	12	21	1,232
9	10.0%	356	249	2,062	179	1	28	0	2,771	582	20	875	269	51	87	1,834	72	354	367	1,149	12	12	21	1,182
10	11.3%	353	248	2,058	179	1	28	0	2,769	574	20	875	269	51	85	1,826	71	347	358	1,130	12	12	21	1,163
11	12.5%	353	248	2,056	177	1	27	0	2,767	531	20	875	269	51	77	1,783	66	346	357	1,112	12	12	18	1,145
12	13.8%	353	247	2,045	177	1	27	0	2,763	525	20	875	269	51	70	1,775	65	345	355	1,090	12	12	18	1,123
13	15.0%	353	247	2,030	176	1	27	0	2,759	511	20	875	269	51	70	1,763	63	344	355	1,070	12	12	18	1,104
14	16.3%	349	247	2,026	175	1	27	0	2,757	509	20	875	269	51	66	1,758	63	333	355	1,051	12	12	16	1,085
15	17.5%	345	246	2,025	174	1	27	0	2,751	502	20	875	269	51	66	1,754	61	328	355	1,032	12	12	16	1,065
16	18.8%	343	246	2,020	173	1	27	0	2,747	489	17	875	269	51	66	1,741	60	327	355	1,022	12	12	16	1,056
17	20.0%	342	246	2,019	173	1	27	0	2,731	476	17	875	269	51	66	1,727	58	327	355	994	12	12	16	1,028
18	21.3%	341	245	2,014	173	1	27	0	2,729	474	17	875	269	51	66	1,726	58	326	355	942	12	12	16	976
19	22.5%	339	245	2,010	172	1	27	0	2,728	444	17	875	269	51	66	1,693	56	325	354	867	12	12	16	901
20	23.8%	338	244	2,010	172	1	27	0	2,723	432	17	875	269	51	66	1,681	53	324	354	855	12	12	16	889
21	25.0%	338	243	2,007	171	1	27	0	2,720	378	17	875	269	51	66	1,628	46	317	354	792	12	12	16	826
22	26.3%	336	243	2,005	171	1	27	0	2,718	378	17	875	269	51	66	1,628	46	316	352	790	12	12	16	823
23	27.5%	332	243	2,000	170	1	27	0	2,698	377	17	875	269	51	65	1,627	46	292	352	790	12	12	15	823
24	28.8%	331	243	1,998	170	1	27	0	2,695	377	17	875	269	51	61	1,627	46	288	351	782	12	12	15	816
25	30.0%	329	242	1,998	169	1	27	0	2,688	374	17	875	269	51	59	1,624	46	288	351	779	12	12	15	813
26	31.3%	328	242	1,997	169	1	27	0	2,678	373	17	875	269	51	59	1,623	46	286	351	766	12	12	15	799
27	32.5%	319	241	1,993	169	1	27	0	2,671	367	16	875	269	51	59	1,614	45	281	350	729	12	12	15	763
28	33.8%	312	241	1,992	169	1	27	0	2,668	346	16	875	269	51	55	1,594	43	280	348	724	12	12	13	757
29	35.0%	299	240	1,988	168	1	27	0	2,658	341	16	875	269	51	54	1,589	42	280	345	711	12	12	13	745
30	36.3%	299	240	1,982	168	1	27	0	2,653	339	16	875	269	51	54	1,588	42	280	344	710	12	12	13	743
31	37.5%	296	240	1,980	167	1	27	0	2,650	334	16	875	269	51	52	1,582	42	280	342	697	12	12	13	730
32	38.8%	285	240	1,979	167	1	27	0	2,647	329	16	875	269	51	49	1,578	41	280	341	693	12	12	13	727
33	40.0%	280	238	1,976	166	1	27	0	2,647	328	16	875	269	51	49	1,575	40	280	338	686	12	12	13	719
34	41.3%	279	238	1,975	166	1	27	0	2,646	326	16	875	269	51	49	1,573	40	280	338	681	12	12	11	714
35	42.5%	278	237	1,972	165	1	27	0	2,643	320	15	875	269	51	48	1,568	40	280	336	666	12	12	10	700
36	43.8%	270	236	1,972	165	1	27	0	2,641	299	15	875	269	51	48	1,546	37	280	332	625	12	12	10	658
37	45.0%	267	229	1,972	164	1	27	0	2,637	296	15	875	269	51	45	1,528	36	280	330	620	12	12	10	645
38	46.3%	266	228	1,971	164	1	27	0	2,635	281	15	875	269	51	40	1,525	35	280	327	585	12	12	9	618
39	47.5%	255	228	1,970	164	1	27	0	2,633	280	15	875	269	51	40	1,522	35	280	327	581	12	12	9	615
40	48.8%	251	227	1,969	164	1	27	0	2,632	275	15	875	269	51	40	1,521	34	280	324	575	12	12	9	609
41	50.0%	249	227	1,967	164	1	27	0	2,618	274	15	875	269	49	40	1,518	34	280	322	574	12	12	9	607
42	51.3%	243	224	1,965	163	1	27	0	2,617	271	15	875	269	49	38	1,506	33	280	321	567	12	12	9	601
43	52.5%	239	223	1,962	163	1	27	0	2,615	259	15	875	269	49	38	1,498	32	278	318	543	12	12	9	576
44	53.8%	238	223	1,959	163	1	27	0	2,612	251	15	875	269	49	38	1,494	31	275	318	525	12	12	9	558
45	55.0%	234	223	1,957	163	1	27	0	2,607	247	15	875	269	44	38	1,493	31	274	317	517	12	11	9	550
46	56.3%	233	219	1,953	163	1	26	0	2,602	246	15	875	269	41	38	1,491	30	274	316	516	12	11	9	549
47	57.5%	227	218	1,952	162	1	26	0	2,597	244	15	875	269	41	38	1,487	30	274	312	511	12	11	9	544
48	58.8%	222	217	1,951	162	1	26	0	2,589	240	15	875	269	40	38	1,480	30	274	311	503	12	10	9	536
49	60.0%	219	213	1,946	162	1	26	0	2,582	232	15	875	269	40	38	1,477	29	274	310	486	12	9	9	520
50	61.3%	213	210	1,946	161	1	26	0	2,580	230	15	875	269	40	38	1,473	28	274	309	482	12	8	9	515
51	62.5%	199	207	1,928	160	1	26	0	2,558	226	15	875	269	37	38	1,470	28	272	309	474	12	8	9	507
52	63.8%	197	204	1,925	160	1	26	0	2,558	223	15	875	269	35	38	1,470	28	271	309	466	12	8	9	499
53	65.0%	184	200	1,925	160	1	26	0	2,557	222	15	875	269	35	38	1,469	28	269	309	465	12	8	9	498
54	66.3%	174	194	1,923	159	1	26	0	2,543	222	15	875	269	33	38	1,464	27	269	308	463	12	8	9	497
55	67.5%	161	194	1,911	159	1	26	0	2,525	217	15	875	269	30	38	1,442	27	269	308	453	12	6	9	486
56	68.8%	160	194	1,902	159	1	26	0	2,516	195	15	875	269	30	38	1,442	24	263	307	408	12	6	9	442
57	70.0%	154	192	1,899	158	1	26	0	2,513	195	15	875	269	30	38	1,441	24	263	306	407	12	6	9	441
58	71.3%	135	190	1,899	158	1	26	0	2,504	194	15	875	269	28	38	1,440	24	263	305	406	12	6	9	439
59	72.5%	134	190	1,895	158	1	26	0	2,499	193	15	875	269	24	38	1,438	24	263	305	404	12	6	9	437
60	73.8%	133	189	1,891	157	0	26	0	2,472	191	15	875	269	19	38	1,438	23	263	304	399	12	3	9	432
61	75.0%	127	187	1,880	156	0	26	0	2,458	190	15	875	269	18	38	1,434	23	262	300	399	12	3	9	432
62	76.3%	116	184	1,862	155	0	26	0	2,450	186	15	875	269	12	38	1,414	23	262	295	390	12	3	9	424
63	77.5%	115	180	1,862	155	0	26	0	2,443	167	15	875	269	4	38	1,388	21	261	293	348	12	0	9	381
64	78.8%	87	180	1,860	154	0	26	0	2,442	142	14	875	269	2	38	1,384	18	261	293	297	12	0	9	330
65	80.0%	83	179	1,845	152	0	26	0	2,423	138	14	875	269	2	38	1,381	17	261	291	286	12	0	9	319
66	81.3%	82	178	1,834	151	0	26	0	2,419	134	14	875	269	2	38	1,359	17	261	291	280	12	0	9	313
67	82.5%	74	175	1,829	149	0	26	0	2,358	113	13	875	269	2	38	1,346	15	261	289	241	12	0	9	275
68	83.8%	61	173	1,822	145	0	26	0	2,350	102	13	875	269	0	38	1,336	13	260	288	213	12	0	9	244
69	85.0%	60	166	1,815	145	0	26	0	2,350	101	13	875	269	0	38	1,306	13	260	288	210	12	0	9	238
70	86.3%	53	165	1,814	143	0	26	0	2,319	91	13	875	269	0	38	1,252	11	260	287	190	12	0	9	223
71	87.5%	47	164	1,806	143	0	26	0	2,319	81	13	875	269	0	38	1,242	10	259	287	170	12	0	9	195
72	88.8%	41	161	1,793	138	0	26	0	2,308	70	12	875	269	0	38	1,242	9	258	286	146	12	0	9	171
73	90.0%	36	156	1,787	118	0	21	0	2,285	62	12	674	202	0	38	1,242	8	256	285	130	9	0	9	163
74	91.3%	33	154	1,784	114	0	21	0	2,134	57	12	674	202	0	38	1,057	7	256	283	119	9	0	9	144
75	92.5%	28	148	1,783	112	0	21	0	2,111	48	12	674	202	0	38	1,035	6	256	280	102	9	0	9	127
76	93.8%	22	144	1,775	112	0	21	0	2,103	38	11	674	202	0	38	1,023	5	256	279	80	9	0	9	105
77	95.0%	15	133	1,774	111	0	21	0	2,100	25	11	674	202	0	38	1,010	3	252	277	52	9	0	9	77
78	96.3%	7	132	1,763	107	0	21	0	2,081	12	10	674	202	0	38	1,002	2	251	271	25	9	0	9	50
79	97.5%	0	128	1,750	105	0	21	0	2,080	0	10	674	202	0	38	991	0	248	270	0	9	0	9	33
80	98.8%	0	127	1,743	101	0	21	0	2,077	0	10	674	202	0	38	977	0	248	269	0	9	0	9	33
81	100.0%	0	120	1,728	98	0	21	0	1,981	0	10	674	202	0	38	964	0	248	266	0	9	0	9	33

Table WS-CVP-3m

			Alternative A							Alternative A						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,928	557	2,485	2,900	447	64	73	100%	80%	100%	100%	100%	100%	100%
1923	3	BN	1,073	495	1,568	2,882	446	45	92	67%	42%	92%	75%	100%	100%	100%
1924	5	C	144	487	631	2,458	316	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,263	491	1,754	2,736	440	0	137	57%	57%	82%	82%	100%	100%	100%
1926	4	D	345	533	878	2,755	432	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,571	525	2,096	2,845	444	44	94	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	869	465	1,334	2,851	433	15	122	43%	37%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	424	4	133	0%	0%	50%	50%	100%	100%	100%
1930	4	D	385	533	917	2,821	439	2	135	17%	17%	67%	67%	100%	100%	100%
1931	5	C	216	436	652	2,460	312	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	308	426	734	2,467	328	0	103	13%	13%	63%	63%	75%	77%	75%
1933	5	C	46	464	510	2,488	321	0	103	2%	2%	52%	52%	75%	77%	75%
1934	5	C	184	501	685	2,449	318	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	444	445	888	2,770	454	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	1,041	464	1,506	2,821	457	43	94	45%	45%	75%	75%	100%	100%	100%
1937	3	BN	851	482	1,334	2,828	474	62	75	38%	38%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,826	464	64	73	100%	100%	100%	100%	100%	100%	100%
1939	4	D	823	585	1,409	3,029	426	22	115	36%	36%	75%	75%	100%	100%	100%
1940	2	AN	1,094	520	1,614	2,786	444	35	102	84%	41%	100%	75%	100%	100%	100%
1941	1	W	2,038	547	2,585	2,681	453	64	73	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,953	538	2,490	2,734	450	64	73	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,805	543	2,348	2,857	445	64	73	78%	78%	100%	100%	100%	100%	100%
1944	4	D	539	466	1,005	2,845	439	64	73	23%	23%	73%	73%	100%	100%	100%
1945	3	BN	1,432	515	1,947	2,798	454	64	73	65%	62%	90%	87%	100%	100%	100%
1946	3	BN	1,408	523	1,931	2,944	453	55	82	83%	57%	100%	82%	100%	100%	100%
1947	4	D	1,075	468	1,542	2,873	446	52	86	49%	47%	75%	75%	100%	100%	100%
1948	3	BN	821	499	1,321	2,618	449	63	75	83%	29%	100%	75%	100%	100%	100%
1949	4	D	1,269	517	1,786	2,867	443	64	73	68%	54%	93%	79%	100%	100%	100%
1950	3	BN	845	479	1,324	2,900	450	64	73	37%	37%	75%	75%	100%	100%	100%
1951	2	AN	1,559	536	2,094	2,867	439	37	100	96%	62%	100%	87%	100%	100%	100%
1952	1	W	2,313	546	2,858	2,837	460	64	73	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,100	501	1,601	2,839	449	64	73	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,159	517	1,676	2,777	441	37	100	99%	41%	100%	75%	100%	100%	100%
1955	4	D	1,044	479	1,524	2,894	439	64	73	45%	45%	75%	75%	100%	100%	100%
1956	1	W	1,972	544	2,516	2,871	455	65	73	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	870	507	1,377	2,854	442	64	73	70%	31%	95%	75%	100%	100%	100%
1958	1	W	2,274	543	2,817	2,720	462	64	73	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	834	605	1,439	2,962	435	64	73	65%	31%	90%	75%	100%	100%	100%
1960	4	D	740	516	1,256	2,855	440	51	86	32%	32%	75%	75%	100%	100%	100%
1961	4	D	1,080	471	1,552	2,847	437	2	135	52%	47%	77%	75%	100%	100%	100%
1962	3	BN	1,053	634	1,687	2,889	444	30	107	78%	39%	100%	75%	100%	100%	100%
1963	1	W	1,394	511	1,905	2,708	451	64	73	100%	54%	100%	79%	100%	100%	100%
1964	4	D	875	535	1,410	2,942	446	52	86	38%	38%	75%	75%	100%	100%	100%
1965	1	W	1,634	527	2,162	2,827	445	64	73	78%	78%	100%	100%	100%	100%	100%
1966	3	BN	1,116	518	1,634	2,937	451	64	73	93%	40%	100%	75%	100%	100%	100%
1967	1	W	2,299	541	2,840	2,690	461	65	73	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	840	592	1,432	2,831	444	64	73	63%	31%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,880	460	64	73	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,452	509	1,961	2,884	444	37	100	67%	62%	92%	87%	100%	100%	100%
1971	1	W	932	505	1,437	2,937	450	64	74	89%	31%	100%	75%	100%	100%	100%
1972	3	BN	990	488	1,478	2,949	447	64	73	55%	40%	80%	75%	100%	100%	100%
1973	2	AN	1,392	528	1,920	2,847	453	64	73	97%	54%	100%	79%	100%	100%	100%
1974	1	W	2,032	540	2,572	2,800	461	64	73	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,498	515	2,013	2,875	455	64	73	100%	60%	100%	85%	100%	100%	100%
1976	5	C	236	514	750	3,008	441	65	73	10%	10%	60%	60%	100%	100%	100%
1977	5	C	94	463	557	2,402	308	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,200	552	2,752	2,800	450	63	75	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,314	503	1,817	2,844	458	64	73	61%	57%	86%	82%	100%	100%	100%
1980	2	AN	1,943	555	2,499	2,842	458	64	73	84%	84%	100%	100%	100%	100%	100%
1981	4	D	995	633	1,628	2,803	443	64	74	75%	37%	100%	75%	100%	100%	100%
1982	1	W	2,161	552	2,712	2,704	462	64	74	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,697	469	64	74	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,522	530	2,052	2,938	449	64	73	93%	62%	100%	87%	100%	100%	100%
1985	4	D	1,126	517	1,643	2,873	443	49	88	71%	44%	96%	75%	100%	100%	100%
1986	1	W	1,425	489	1,914	2,862	452	65	73	62%	62%	87%	87%	100%	100%	100%
1987	4	D	513	572	1,085	2,904	425	22	115	23%	23%	73%	73%	100%	100%	100%
1988	5	C	0	458	458	2,885	419	2	135	0%	0%	50%	50%	100%	100%	100%
1989	4	D	528	461	989	2,850	436	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	454	454	2,894	426	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	265	520	785	2,436	323	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	388	470	859	2,424	325	0	103	17%	17%	67%	67%	75%	77%	75%
1993	2	AN	1,343	527	1,870	2,774	443	63	75	76%	56%	100%	81%	100%	100%	100%
1994	5	C	1,165	611	1,776	2,448	322	0	103	59%	48%	84%	75%	75%	77%	75%
1995	1	W	2,224	543	2,767	2,774	456	64	74	100%	96%	100%	100%	100%	100%	100%
1996	1	W	1,683	531	2,215	2,736	445	64	73	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,756	525	2,281	2,933	445	49	88	78%	78%	100%	100%	100%	100%	100%
1998	1	W	2,117	549	2,666	2,658	467	64	74	100%	99%	100%	100%	100%	100%	100%
1999	1	W	1,317	487	1,804	2,846	448	64	73	100%	49%	100%	75%	100%	100%	100%
2000	2	AN	1,430	506	1,937	2,766	440	43	95	100%	56%	100%	81%	100%	100%	100%
2001	4	D	741	593	1,334	2,834	430	64	73	32%	32%	75%	75%	100%	100%	100%
2002	4	D	878	582	1,460	2,930	436	2	135	70%	32%	95%	75%	100%	100%	100%

Table WS-CVP-3m

		Alternative A							Alternative A						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,167	519	1,686	2,795	432	44	90	63%	49%	86%	80%	97%	97%	97%
MIN:		0	426	454	2,402	308	0	73	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	634	2,868	3,029	474	65	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	226	481	707	2,672	375	7	113	10%	10%	60%	60%	88%	88%	88%
AVG:	W	1,823	530	2,354	2,806	454	62	76	94%	78%	99%	94%	100%	100%	100%
	AN	1,435	525	1,960	2,824	444	50	88	86%	58%	97%	84%	100%	100%	100%
	BN	1,004	517	1,522	2,855	451	53	84	61%	41%	87%	77%	100%	100%	100%
	D	807	521	1,328	2,840	432	32	104	41%	34%	78%	74%	99%	99%	99%
	C	228	487	715	2,606	355	6	109	11%	10%	59%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	634	2,868	3,029	474	65	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	633	2,860	3,008	469	65	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,313	611	2,858	2,962	467	65	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	605	2,857	2,949	464	65	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,299	593	2,840	2,944	462	64	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,274	592	2,817	2,942	462	64	135	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,224	585	2,767	2,938	461	64	135	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,200	582	2,752	2,937	461	64	135	100%	99%	100%	100%	100%	100%	100%
9	10.0%	2,161	572	2,712	2,937	460	64	135	100%	96%	100%	100%	100%	100%	100%
10	11.3%	2,117	557	2,666	2,933	460	64	133	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,038	556	2,585	2,930	458	64	122	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,032	555	2,572	2,920	458	64	115	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,972	552	2,516	2,904	457	64	115	100%	84%	100%	100%	100%	100%	100%
14	16.3%	1,953	552	2,499	2,900	456	64	107	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,943	549	2,490	2,900	455	64	103	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,928	548	2,485	2,894	455	64	103	100%	80%	100%	100%	100%	100%	100%
17	20.0%	1,805	547	2,348	2,894	454	64	103	100%	78%	100%	100%	100%	100%	100%
18	21.3%	1,756	546	2,281	2,889	454	64	103	100%	78%	100%	100%	100%	100%	100%
19	22.5%	1,683	544	2,215	2,885	453	64	103	100%	78%	100%	100%	100%	100%	100%
20	23.8%	1,634	543	2,162	2,884	453	64	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,571	543	2,096	2,882	453	64	103	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,559	543	2,094	2,880	452	64	103	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,522	541	2,052	2,875	451	64	103	99%	62%	100%	87%	100%	100%	100%
24	28.8%	1,498	540	2,013	2,873	451	64	102	97%	62%	100%	87%	100%	100%	100%
25	30.0%	1,452	540	1,961	2,873	450	64	100	96%	62%	100%	87%	100%	100%	100%
26	31.3%	1,432	538	1,947	2,871	450	64	100	93%	62%	100%	87%	100%	100%	100%
27	32.5%	1,430	536	1,937	2,867	450	64	100	93%	60%	100%	85%	100%	100%	100%
28	33.8%	1,425	535	1,931	2,867	450	64	95	89%	57%	100%	82%	100%	100%	100%
29	35.0%	1,408	533	1,920	2,862	449	64	94	84%	57%	100%	82%	100%	100%	100%
30	36.3%	1,394	533	1,914	2,857	449	64	94	84%	57%	100%	82%	100%	100%	100%
31	37.5%	1,392	531	1,905	2,855	449	64	92	83%	56%	100%	81%	100%	100%	100%
32	38.8%	1,343	530	1,870	2,854	448	64	88	83%	56%	100%	81%	100%	100%	100%
33	40.0%	1,317	528	1,817	2,851	447	64	88	78%	54%	100%	79%	100%	100%	100%
34	41.3%	1,314	527	1,804	2,850	447	64	86	78%	54%	100%	79%	100%	100%	100%
35	42.5%	1,269	527	1,786	2,847	446	64	86	78%	54%	100%	79%	100%	100%	100%
36	43.8%	1,263	525	1,776	2,847	446	64	86	78%	49%	100%	75%	100%	100%	100%
37	45.0%	1,165	525	1,754	2,846	446	64	82	76%	48%	100%	75%	100%	100%	100%
38	46.3%	1,159	523	1,687	2,845	445	64	75	75%	47%	100%	75%	100%	100%	100%
39	47.5%	1,126	520	1,676	2,845	445	64	75	71%	47%	96%	75%	100%	100%	100%
40	48.8%	1,116	520	1,643	2,844	445	64	75	70%	45%	95%	75%	100%	100%	100%
41	50.0%	1,100	518	1,634	2,842	445	63	75	70%	45%	95%	75%	100%	100%	100%
42	51.3%	1,094	517	1,628	2,839	444	63	74	68%	44%	93%	75%	100%	100%	100%
43	52.5%	1,080	517	1,614	2,837	444	63	74	67%	42%	92%	75%	100%	100%	100%
44	53.8%	1,075	517	1,601	2,834	444	62	74	67%	41%	92%	75%	100%	100%	100%
45	55.0%	1,073	516	1,568	2,831	444	55	74	65%	41%	90%	75%	100%	100%	100%
46	56.3%	1,053	515	1,552	2,828	444	52	74	65%	40%	90%	75%	100%	100%	100%
47	57.5%	1,044	515	1,542	2,827	443	52	74	63%	40%	88%	75%	100%	100%	100%
48	58.8%	1,041	514	1,524	2,826	443	51	73	62%	39%	87%	75%	100%	100%	100%
49	60.0%	995	511	1,506	2,821	443	49	73	61%	38%	86%	75%	100%	100%	100%
50	61.3%	990	509	1,478	2,821	443	49	73	59%	38%	84%	75%	100%	100%	100%
51	62.5%	932	507	1,460	2,803	442	45	73	57%	38%	82%	75%	100%	100%	100%
52	63.8%	878	506	1,439	2,800	441	44	73	55%	37%	80%	75%	100%	100%	100%
53	65.0%	875	505	1,437	2,800	441	43	73	52%	37%	77%	75%	100%	100%	100%
54	66.3%	870	503	1,432	2,798	440	43	73	49%	37%	75%	75%	100%	100%	100%
55	67.5%	869	501	1,410	2,786	440	37	73	45%	36%	75%	75%	100%	100%	100%
56	68.8%	851	501	1,409	2,777	440	37	73	45%	32%	75%	75%	100%	100%	100%
57	70.0%	845	499	1,377	2,774	439	37	73	43%	32%	75%	75%	100%	100%	100%
58	71.3%	840	495	1,334	2,774	439	35	73	38%	32%	75%	75%	100%	100%	100%
59	72.5%	834	491	1,334	2,770	439	30	73	38%	31%	75%	75%	100%	100%	100%
60	73.8%	823	489	1,334	2,766	439	22	73	37%	31%	75%	75%	100%	100%	100%
61	75.0%	821	488	1,324	2,755	437	22	73	36%	31%	75%	75%	100%	100%	100%
62	76.3%	741	487	1,321	2,736	436	15	73	32%	31%	75%	75%	100%	100%	100%
63	77.5%	740	487	1,256	2,736	436	4	73	32%	29%	75%	75%	100%	100%	100%
64	78.8%	539	482	1,085	2,734	435	2	73	24%	24%	74%	74%	100%	100%	100%
65	80.0%	528	479	1,005	2,720	433	2	73	23%	23%	73%	73%	100%	100%	100%
66	81.3%	513	479	989	2,708	432	2	73	23%	23%	73%	73%	100%	100%	100%
67	82.5%	444	471	917	2,704	430	2	73	21%	21%	71%	71%	100%	100%	100%
68	83.8%	388	470	888	2,697	426	0	73	17%	17%	67%	67%	100%	100%	100%
69	85.0%	385	468	878	2,690	426	0	73	17%	17%	67%	67%	100%	100%	100%
70	86.3%	345	467	859	2,681	425	0	73	15%	15%	65%	65%	100%	100%	100%
71	87.5%	308	466	785	2,658	424	0	73	13%	13%	63%	63%	100%	100%	100%
72	88.8%	265	465	750	2,618	419	0	73	11%	11%	61%	61%	100%	100%	100%
73	90.0%	236	464	734	2,488	328	0	73	10%	10%	60%	60%	75%	77%	75%
74	91.3%	216	464	685	2,467	325	0	73	9%	9%	59%	59%	75%	77%	75%
75	92.5%	184	463	652	2,460	323	0	73	8%	8%	58%	58%	75%	77%	75%
76	93.8%	144	461	631	2,458	322	0	73	6%	6%	56%	56%	75%	77%	75%
77	95.0%	94	458	557	2,449	321	0	73	4%	4%	54%	54%	75%	77%	75%
78	96.3%	46	454	510	2,448	318	0	73	2%	2%	52%	52%	75%	77%	75%
79	97.5%	0	445	467	2,436	316	0	73	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	436	458	2,424	312	0	73	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	426	454	2,402	308	0	73	0%	0%	50%	50%	75%	77%	75%

Table WS-CVP-3n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,821	71	285	356	1,187	12	0	21	1,220
1979	3	BN	173	196	1,962	171	0	28	0	2,530	290	15	875	269	0	89	1,537	36	261	297	605	12	0	21	639
1980	2	AN	270	243	1,970	166	0	28	0	2,677	460	20	875	269	0	89	1,713	57	288	344	965	12	0	21	998
1981	4	D	248	241	1,916	160	0	28	0	2,593	244	15	875	269	0	89	1,492	30	368	398	512	12	0	21	545
1982	1	W	328	251	1,822	188	0	28	0	2,617	609	20	875	269	0	89	1,861	75	280	355	1,148	12	0	21	1,182
1983	1	W	338	256	1,820	188	0	28	0	2,630	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1984	1	W	316	253	2,053	164	0	28	0	2,814	380	17	875	269	0	89	1,629	47	264	310	716	12	0	21	749
1985	4	D	238	220	1,997	162	0	28	0	2,644	280	15	875	269	0	89	1,527	34	274	308	587	12	0	21	620
1986	1	W	212	208	1,981	169	0	28	0	2,598	358	17	875	269	0	89	1,607	44	258	303	749	12	0	21	782
1987	4	D	76	181	2,026	136	0	28	0	2,446	124	14	875	269	0	89	1,370	16	366	382	258	12	0	21	291
1988	5	C	0	128	2,011	130	0	28	0	2,297	0	10	875	269	0	89	1,242	0	316	316	0	12	0	21	33
1989	4	D	87	177	1,979	157	0	28	0	2,428	142	15	875	269	0	89	1,388	18	270	288	294	12	0	21	327
1990	5	C	0	135	2,014	137	0	28	0	2,313	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	167	1,721	115	0	21	0	2,064	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	57	157	1,716	107	0	21	0	2,058	97	11	674	202	0	66	1,050	12	291	303	176	9	0	16	201
1993	2	AN	228	229	1,891	160	0	28	0	2,537	316	16	875	269	0	89	1,564	39	259	298	660	12	0	21	693
1994	5	C	212	201	1,734	118	0	21	0	2,285	340	14	674	202	0	66	1,296	36	395	431	700	9	0	16	725
1995	1	W	353	238	1,890	176	0	28	0	2,685	587	20	875	269	0	89	1,839	73	280	352	1,226	12	0	21	1,260
1996	1	W	343	241	1,853	165	0	28	0	2,629	437	17	875	269	0	89	1,686	54	275	328	878	12	0	21	911
1997	1	W	257	225	2,052	167	0	28	0	2,730	439	19	875	269	0	89	1,691	54	276	330	921	12	0	21	954
1998	1	W	312	257	1,780	183	0	28	0	2,560	608	20	875	269	0	89	1,860	75	280	355	1,144	12	0	21	1,178
1999	1	W	357	224	1,969	152	0	28	0	2,731	329	16	875	269	0	89	1,577	41	253	294	689	12	0	21	722
2000	2	AN	339	231	1,871	153	0	28	0	2,622	332	16	875	269	0	89	1,580	41	261	302	693	12	0	21	727
2001	4	D	93	192	1,954	140	0	28	0	2,407	159	15	875	269	0	89	1,406	20	386	405	332	12	0	21	365
2002	4	D	248	239	2,064	157	0	28	0	2,736	214	15	875	269	0	89	1,461	26	327	353	448	12	0	21	481

Table WS-CVP-3n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	**Probability of Exceedence**																							
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	722
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	688	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,622	327	15	875	269	0	89	1,564	39	280	335	660	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542	12	0	21	576
43	52.5%	226	219	1,956	159	0	28	0	2,593	253	15	875	269	0	89	1,498	31	277	321	529	12	0	21	563
44	53.8%	224	217	1,954	159	0	28	0	2,585	251	15	875	269	0	89	1,498	31	276	318	526	12	0	21	559
45	55.0%	220	212	1,954	158	0	28	0	2,575	251	15	875	269	0	89	1,496	31	275	317	525	12	0	21	558
46	56.3%	214	208	1,949	158	0	28	0	2,574	251	15	875	269	0	89	1,492	30	274	316	513	12	0	21	546
47	57.5%	212	205	1,947	157	0	28	0	2,560	244	15	875	269	0	89	1,479	29	274	310	512	12	0	21	545
48	58.8%	212	205	1,946	157	0	28	0	2,540	232	15	875	269	0	89	1,479	29	274	310	485	12	0	21	518
49	60.0%	203	202	1,943	157	0	28	0	2,537	232	15	875	269	0	89	1,464	27	274	308	484	12	0	21	518
50	61.3%	186	201	1,942	157	0	28	0	2,532	217	15	875	269	0	89	1,464	27	272	304	455	12	0	21	488
51	62.5%	180	196	1,931	157	0	28	0	2,530	217	15	875	269	0	89	1,461	27	270	303	453	12	0	21	487
52	63.8%	174	196	1,921	156	0	28	0	2,508	214	15	875	269	0	89	1,459	27	268	303	448	12	0	21	481
53	65.0%	173	196	1,918	156	0	28	0	2,501	212	15	875	269	0	89	1,448	26	267	303	441	12	0	21	475
54	66.3%	172	195	1,916	156	0	28	0	2,498	201	15	875	269	0	89	1,445	25	264	303	420	12	0	21	453
55	67.5%	152	195	1,906	155	0	28	0	2,495	198	15	875	269	0	89	1,442	24	263	302	414	12	0	21	447
56	68.8%	138	194	1,897	154	0	28	0	2,486	195	15	875	269	0	89	1,437	24	262	300	407	12	0	21	441
57	70.0%	111	194	1,891	153	0	28	0	2,482	190	15	875	269	0	89	1,425	23	261	299	397	12	0	21	431
58	71.3%	108	192	1,891	153	0	28	0	2,482	178	15	875	269	0	89	1,421	22	261	299	371	12	0	21	404
59	72.5%	104	190	1,890	153	0	28	0	2,480	174	15	875	269	0	89	1,408	22	261	298	363	12	0	21	396
60	73.8%	95	189	1,880	152	0	28	0	2,456	161	15	875	269	0	89	1,406	20	261	297	336	12	0	21	369
61	75.0%	93	187	1,871	151	0	28	0	2,446	159	14	875	269	0	89	1,401	20	261	297	332	12	0	21	365
62	76.3%	90	182	1,870	150	0	28	0	2,443	154	14	875	269	0	89	1,398	19	261	297	323	12	0	21	357
63	77.5%	88	181	1,854	150	0	28	0	2,434	150	14	875	269	0	89	1,388	19	261	294	315	12	0	21	348
64	78.8%	87	179	1,853	150	0	28	0	2,428	142	14	875	269	0	89	1,371	18	261	293	294	12	0	21	327
65	80.0%	76	179	1,837	150	0	28	0	2,407	125	14	875	269	0	89	1,370	16	260	293	261	12	0	21	295
66	81.3%	73	179	1,829	146	0	28	0	2,397	124	13	875	269	0	89	1,358	15	259	292	258	12	0	21	291
67	82.5%	73	177	1,822	141	0	28	0	2,337	112	13	875	269	0	89	1,334	15	259	292	238	12	0	21	271
68	83.8%	57	173	1,820	140	0	28	0	2,336	97	13	875	269	0	89	1,314	12	259	291	186	12	0	21	220
69	85.0%	52	167	1,817	137	0	28	0	2,322	89	12	875	269	0	89	1,296	11	258	288	176	12	0	21	201
70	86.3%	43	159	1,802	136	0	28	0	2,313	74	12	875	269	0	89	1,284	9	258	285	154	12	0	21	179
71	87.5%	42	157	1,783	134	0	28	0	2,297	70	12	875	269	0	89	1,242	9	257	285	145	12	0	21	179
72	88.8%	40	156	1,780	130	0	28	0	2,285	67	12	875	269	0	89	1,242	8	256	283	141	12	0	21	166
73	90.0%	29	152	1,774	123	0	21	0	2,278	49	12	674	202	0	66	1,242	6	256	281	103	9	0	16	128
74	91.3%	27	149	1,772	118	0	21	0	2,093	47	11	674	202	0	66	1,050	6	256	280	98	9	0	16	123
75	92.5%	25	148	1,753	115	0	21	0	2,075	43	11	674	202	0	66	1,028	5	256	280	89	9	0	16	118
76	93.8%	24	144	1,734	112	0	21	0	2,069	40	11	674	202	0	66	1,021	5	255	279	85	9	0	16	114
77	95.0%	14	135	1,722	108	0	21	0	2,064	25	11	674	202	0	66	1,002	3	253	273	52	9	0	16	77
78	96.3%	5	133	1,721	107	0	21	0	2,058	8	10	674	202	0	66	1,000	1	250	273	17	9	0	16	42
79	97.5%	0	132	1,716	94	0	21	0	2,052	0	10	674	202	0	66	996	0	248	267	0	9	0	16	33
80	98.8%	0	128	1,679	93	0	21	0	1,959	0	10	674	202	0	66	977	0	248	266	0	9	0	16	33
81	100.0%	0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33

Table WS-CVP-3o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-3o

		No Action Alternative							No Action Alternative						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
AVG:	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	467	783	2,677	417	0	137	12%	12%	62%	62%	100%	100%	100%
71	87.5%	267	467	779	2,654	415	0	137	12%	12%	62%	62%	100%	100%	100%
72	88.8%	256	465	702	2,597	411	0	137	11%	11%	61%	61%	100%	100%	100%
73	90.0%	187	465	677	2,456	334	0	103	8%	8%	58%	58%	75%	77%	75%
74	91.3%	177	464	655	2,448	329	0	103	8%	8%	58%	58%	75%	77%	75%
75	92.5%	162	462	652	2,445	326	0	103	7%	7%	57%	57%	75%	77%	75%
76	93.8%	154	462	619	2,427	323	0	103	7%	7%	57%	57%	75%	77%	75%
77	95.0%	94	460	566	2,408	319	0	103	4%	4%	54%	54%	75%	77%	75%
78	96.3%	31	454	498	2,395	318	0	103	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	444	467	2,390	305	0	103	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	432	462	2,353	304	0	103	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%

Alternative B Compared to No Action Alternative

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Table WS-SWP-5a

Alternative B
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	66%	66%	96%
Water Year Types[2]			
Wet (32%)	81%	81%	100%
Above Normal (15%)	70%	70%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	37%	37%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,623	96	51
Water Year Types[2]			
Wet (32%)	3,193	133	94
Above Normal (15%)	2,783	59	53
Below Normal (17%)	2,622	128	40
Dry (22%)	2,426	66	15
Critical (15%)	1,539	55	24

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	704	2,066	2,770
Water Year Types[2]			
Wet (32%)	898	2,521	3,420
Above Normal (15%)	748	2,147	2,895
Below Normal (17%)	690	2,100	2,790
Dry (22%)	613	1,893	2,506
Critical (15%)	391	1,227	1,618

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	773

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	24	4	209	46	691	88	281	9	1,419
Water Year Types[2]									
Wet (32%)	30	5	258	57	883	110	339	11	1,727
Above Normal (15%)	26	4	223	50	735	95	285	9	1,468
Below Normal (17%)	24	4	211	46	678	88	287	9	1,444
Dry (22%)	21	3	185	42	602	80	261	8	1,304
Critical (15%)	13	2	120	26	384	50	171	5	847

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5b

No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	62%	62%	96%
Water Year Types[2]			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,496	91	51
Water Year Types[2]			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	670	1,969	2,639
Water Year Types[2]			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	23	4	199	44	658	84	267	8	1,353
Water Year Types[2]									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5c

Difference: Alternative B minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	3%	3%	0%
Water Year Types[2]			
Wet (32%)	1%	1%	0%
Above Normal (15%)	2%	2%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	7%	7%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	126	4	0
Water Year Types[2]			
Wet (32%)	60	9	13
Above Normal (15%)	53	-7	9
Below Normal (17%)	29	9	-5
Dry (22%)	224	3	-16
Critical (15%)	305	3	-6

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	34	97	131
Water Year Types[2]			
Wet (32%)	26	56	82
Above Normal (15%)	21	34	54
Below Normal (17%)	10	22	32
Dry (22%)	45	165	211
Critical (15%)	73	229	302

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	1	0	10	2	33	4	14	0	65
Water Year Types[2]									
Wet (32%)	1	0	6	1	25	2	8	0	38
Above Normal (15%)	1	0	6	1	20	2	3	0	21
Below Normal (17%)	1	0	4	1	9	2	3	0	12
Dry (22%)	2	0	14	4	44	7	25	1	114
Critical (15%)	3	0	23	5	72	10	33	1	155

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5d

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	62%	670
Alternative B	66%	704
Difference	3%	34
Percent Difference[3]		5.0%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	80%	873
Alternative B	81%	898
Difference	1%	26
Percent Difference		2.9%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative B	70%	748
Difference	2%	21
Percent Difference		2.9%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative B	65%	690
Difference	1%	10
Percent Difference		1.4%
Dry (22%)		
No Action Alternative	54%	568
Alternative B	59%	613
Difference	5%	45
Percent Difference		7.9%
Critical (15%)		
No Action Alternative	30%	318
Alternative B	37%	391
Difference	7%	73
Percent Difference		23.0%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

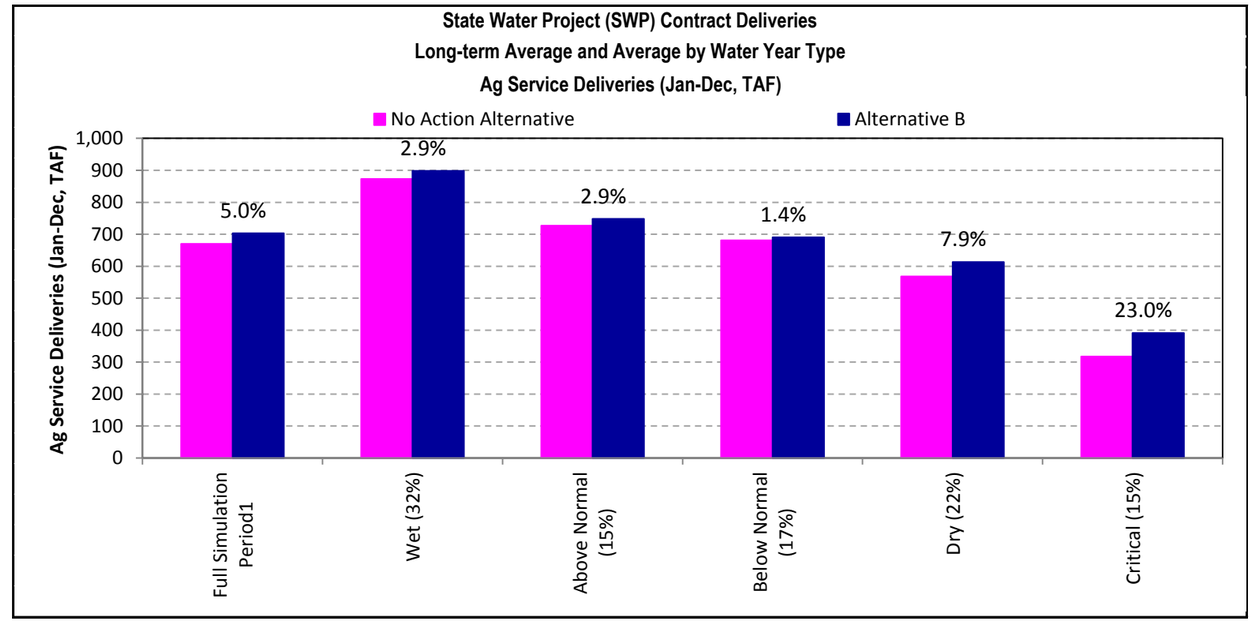

Figure WS-CVP-5e

State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

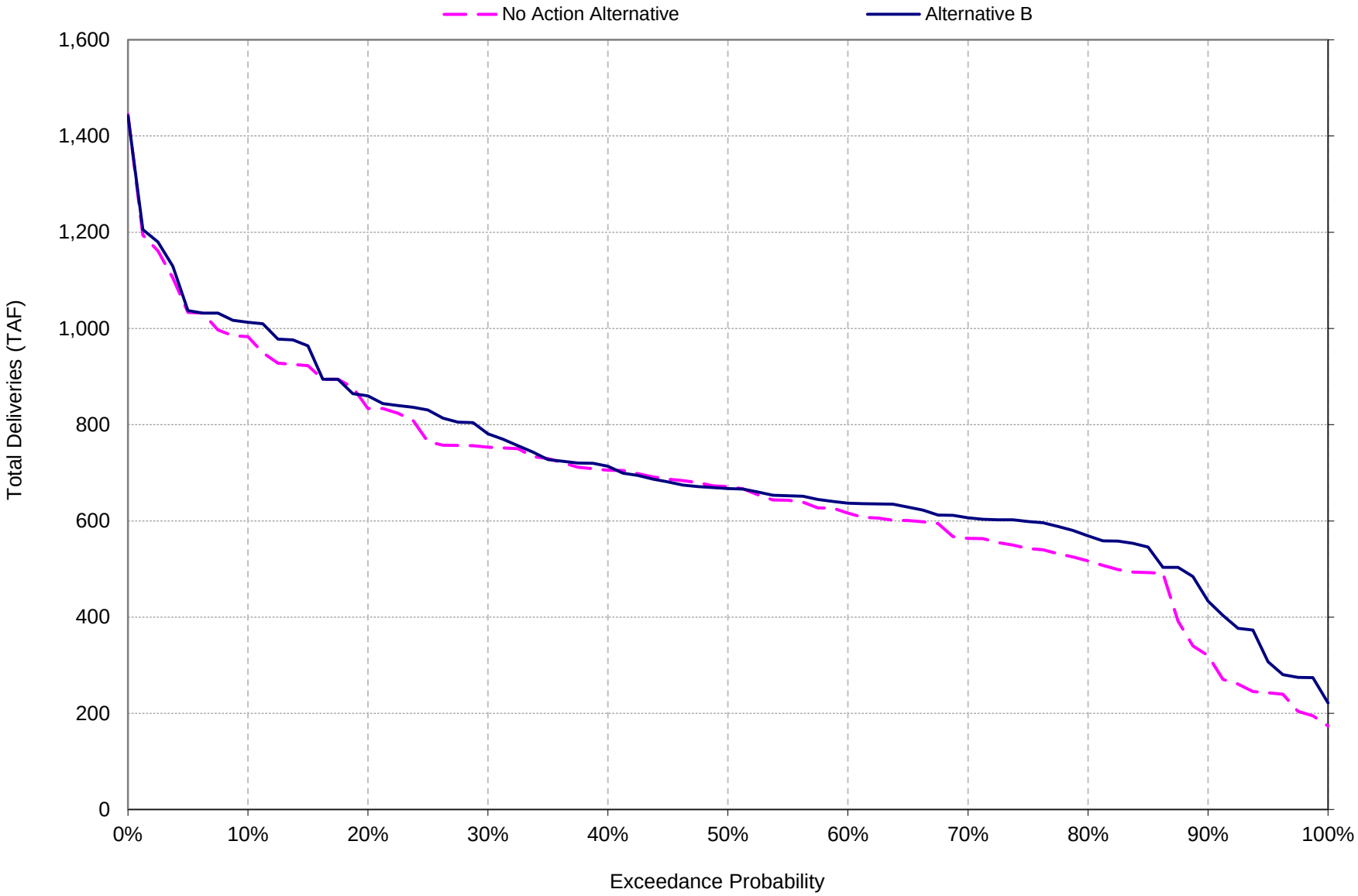

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Table WS-SWP-5f

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	62%	1,969
Alternative B	66%	2,066
Difference	3%	97
Percent Difference[3]		4.9%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	80%	2,466
Alternative B	81%	2,521
Difference	1%	56
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative B	70%	2,147
Difference	2%	34
Percent Difference		1.6%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative B	65%	2,100
Difference	1%	22
Percent Difference		1.1%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative B	59%	1,893
Difference	5%	165
Percent Difference		9.6%
Critical (15%)		
No Action Alternative	30%	998
Alternative B	37%	1,227
Difference	7%	229
Percent Difference		22.9%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

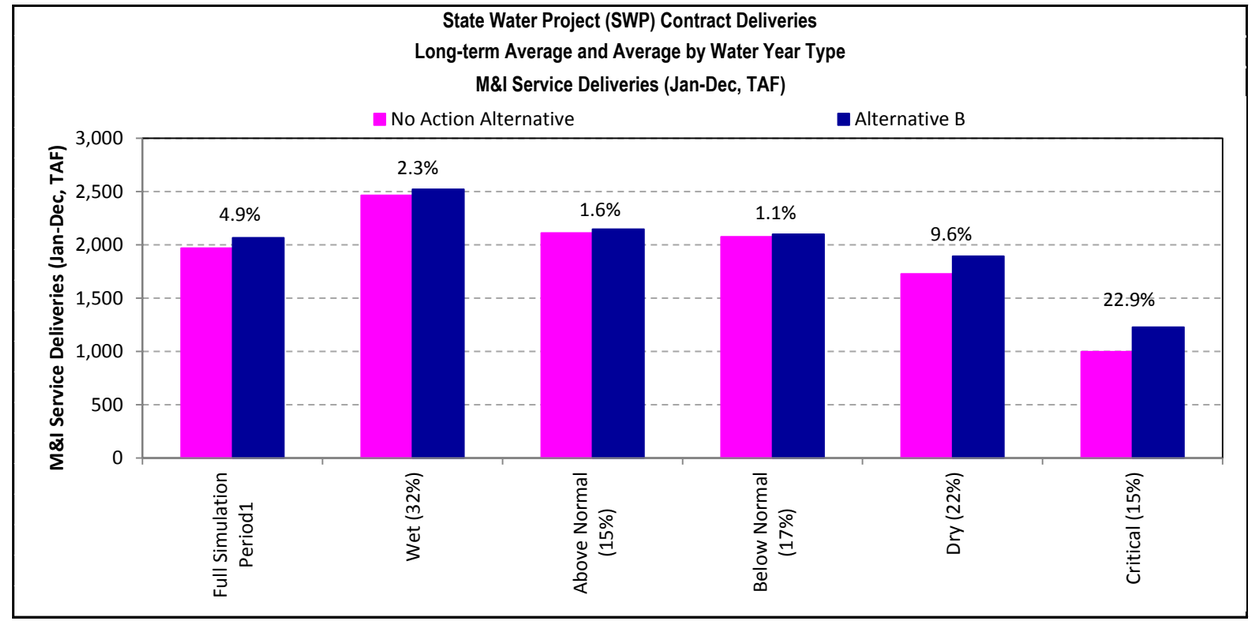

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Figure WS-CVP-5g

State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

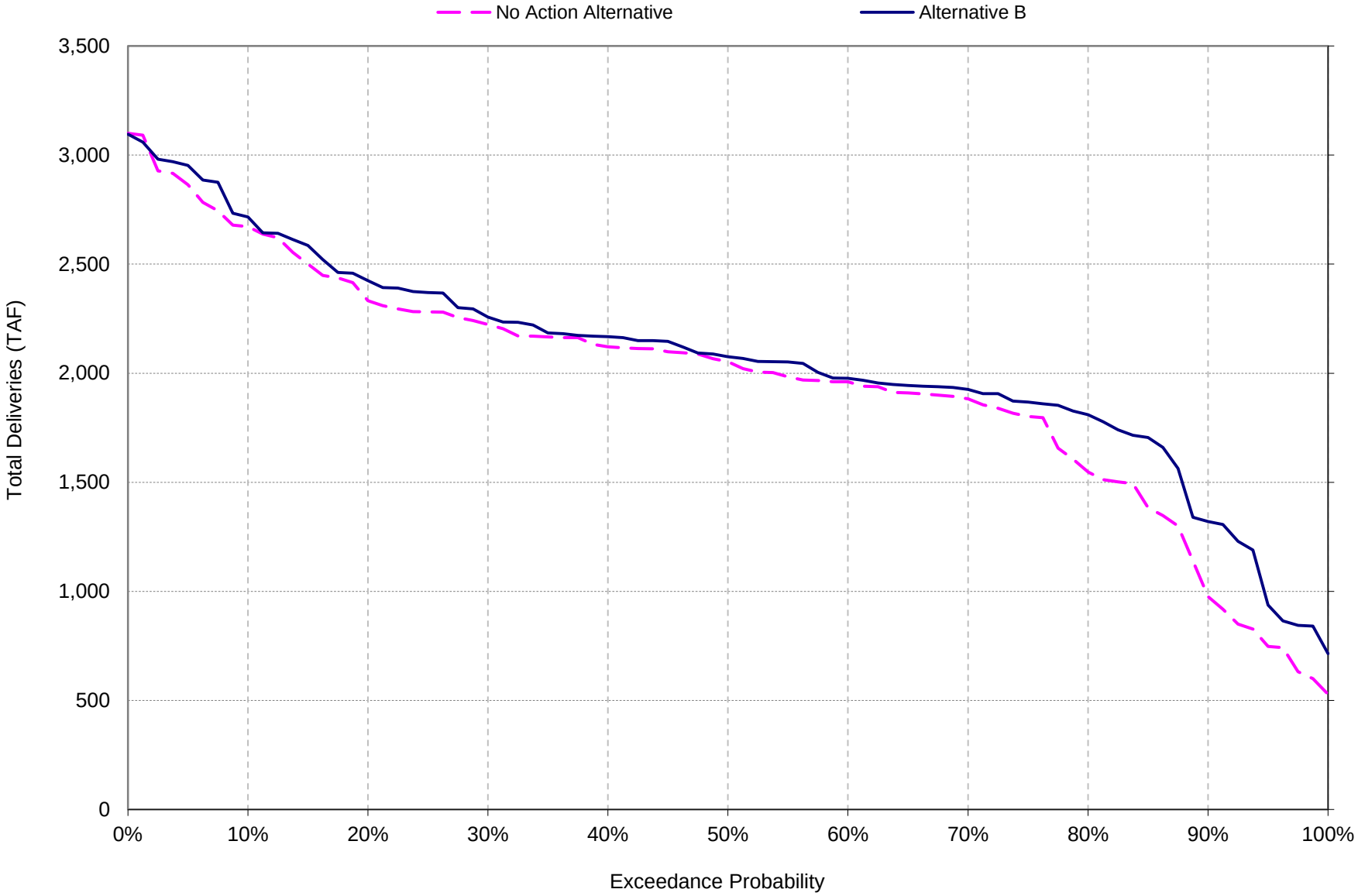

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Table WS-SWP-5h

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	96%	950
Alternative B	96%	950
Difference	0%	0
Percent Difference[3]		0.0%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	976
Alternative B	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative B	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative B	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative B	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative B	75%	773
Difference	0%	1
Percent Difference		0.1%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

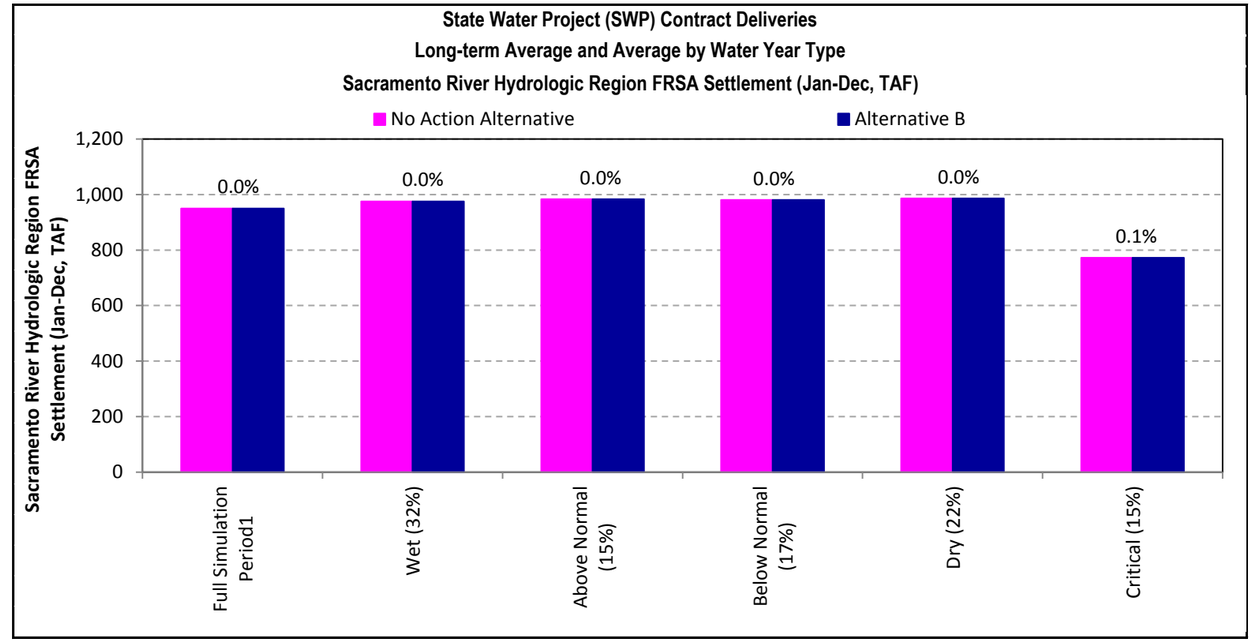

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Figure WS-CVP-5i

State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart

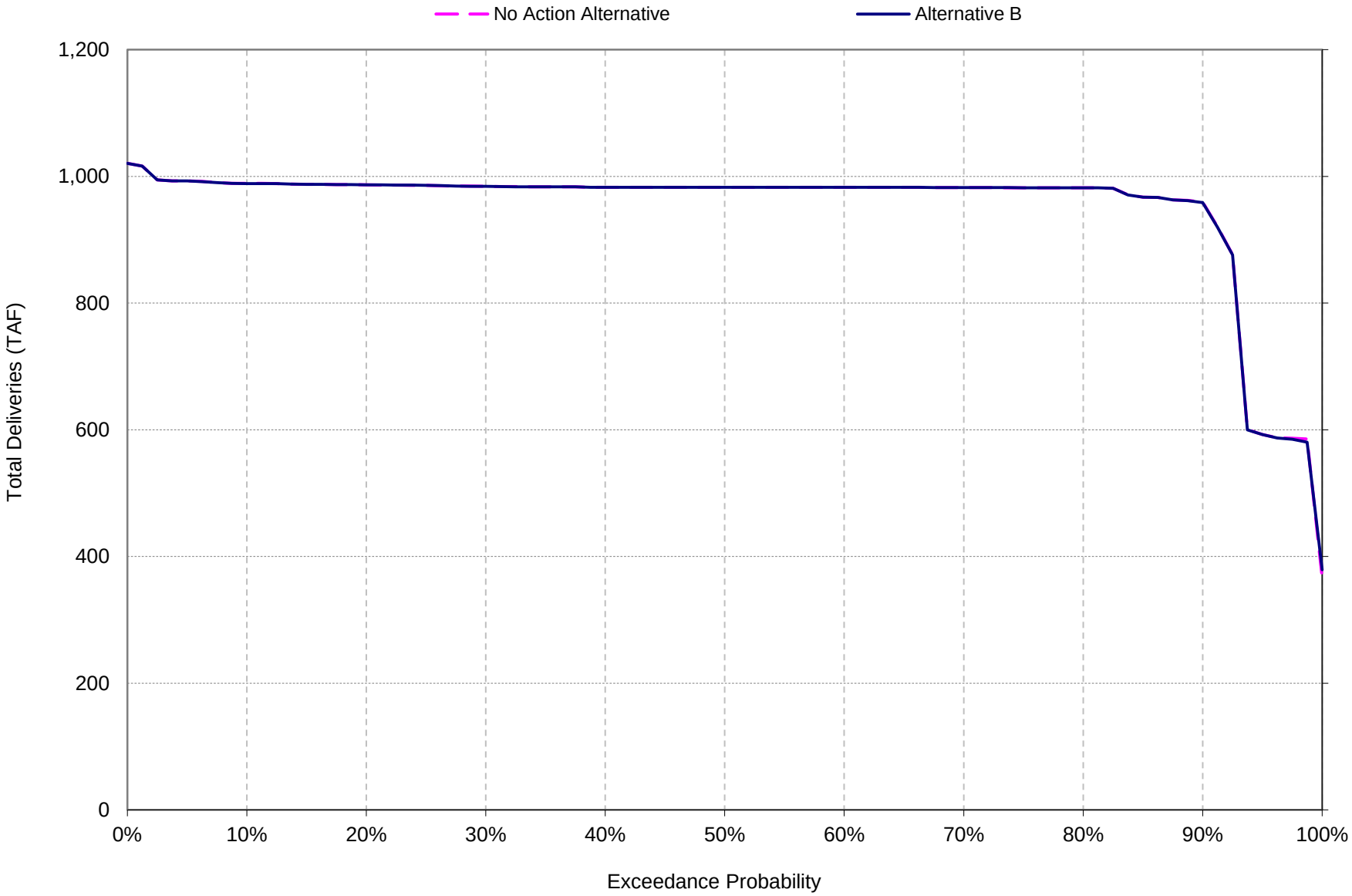

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Table WS-SWP-5j

			Alternative B													Alternative B					
			State Water Project (SWP) Contract Deliveries													State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	222	49	701	93	794	260	9	1,355	1,364	714	2,004	2,718	69%	69%	100%	2,702	0	16
1923	3	BN	994	23	4	200	43	625	83	707	294	8	1,444	1,452	636	2,088	2,724	62%	62%	100%	2,531	178	15
1924	5	C	585	13	2	120	26	370	49	419	165	5	817	821	377	1,190	1,567	37%	37%	50%	1,521	35	10
1925	4	D	983	20	3	185	40	570	76	645	242	7	1,215	1,223	580	1,778	2,358	56%	56%	100%	2,340	0	18
1926	4	D	989	21	3	173	43	611	81	692	257	8	1,293	1,300	622	1,868	2,491	60%	60%	100%	2,483	1	6
1927	1	W	982	24	4	208	46	659	88	747	262	8	1,340	1,348	671	1,968	2,639	65%	65%	100%	2,611	13	14
1928	2	AN	983	24	4	208	46	662	88	750	279	8	1,408	1,416	674	2,053	2,728	65%	65%	100%	2,619	96	13
1929	5	C	987	14	2	129	28	396	53	449	189	5	927	932	404	1,339	1,743	39%	39%	100%	1,630	102	11
1930	4	D	983	19	3	162	37	536	71	607	228	7	1,143	1,150	545	1,660	2,206	53%	53%	100%	2,195	0	10
1931	5	C	592	9	2	87	19	269	36	305	116	3	575	578	274	841	1,116	27%	27%	50%	1,106	1	8
1932	4	D	989	20	3	170	39	591	74	665	237	8	1,202	1,210	602	1,740	2,343	55%	55%	100%	2,271	0	72
1933	5	C	988	14	2	138	27	495	52	547	169	7	906	913	504	1,307	1,810	39%	39%	100%	1,615	1	194
1934	5	C	580	15	2	129	30	426	57	482	182	5	908	914	434	1,320	1,754	42%	42%	50%	1,749	0	4
1935	3	BN	983	24	4	210	47	682	91	773	261	9	1,344	1,353	694	1,977	2,671	67%	67%	100%	2,660	1	10
1936	3	BN	987	26	4	223	50	714	95	809	291	9	1,486	1,494	727	2,170	2,897	70%	70%	100%	2,745	140	12
1937	3	BN	982	31	5	279	61	993	117	1,110	361	12	1,868	1,880	1,010	2,716	3,726	87%	87%	100%	3,376	174	176
1938	1	W	982	36	6	304	69	999	133	1,131	417	13	2,101	2,113	1,017	3,060	4,077	99%	99%	100%	3,838	229	9
1939	4	D	1,016	20	3	171	38	543	72	615	286	7	1,367	1,374	553	1,955	2,508	54%	54%	100%	2,233	265	10
1940	2	AN	982	23	4	205	45	648	86	734	260	8	1,322	1,330	660	1,941	2,601	64%	64%	100%	2,586	1	14
1941	1	W	971	30	5	246	58	829	110	939	324	10	1,656	1,666	844	2,424	3,268	82%	82%	100%	3,185	81	2
1942	1	W	983	28	4	239	53	756	100	856	324	9	1,626	1,636	770	2,370	3,140	75%	75%	100%	2,907	217	16
1943	1	W	983	31	5	266	59	849	113	962	355	11	1,789	1,800	864	2,613	3,477	84%	84%	100%	3,264	198	15
1944	4	D	984	22	4	196	45	641	85	726	305	8	1,494	1,502	652	2,147	2,799	63%	63%	100%	2,564	225	10
1945	3	BN	982	26	4	236	51	816	97	914	284	10	1,527	1,537	831	2,221	3,052	72%	72%	100%	2,820	63	170
1946	3	BN	983	24	4	214	46	655	87	742	299	8	1,480	1,488	667	2,150	2,817	65%	65%	100%	2,603	194	20
1947	4	D	983	25	4	215	47	687	90	777	276	8	1,400	1,409	699	2,052	2,751	67%	67%	100%	2,646	78	27
1948	3	BN	920	20	3	185	41	586	78	663	276	7	1,349	1,357	596	1,948	2,545	58%	58%	100%	2,405	128	11
1949	4	D	984	22	3	179	42	601	80	681	256	8	1,282	1,290	612	1,860	2,472	59%	59%	100%	2,460	1	10
1950	3	BN	982	19	3	183	38	548	73	621	234	7	1,169	1,176	558	1,716	2,274	54%	54%	100%	2,252	1	21
1951	2	AN	986	29	4	253	54	1,020	103	1,123	287	13	1,642	1,655	1,037	2,368	3,405	76%	76%	100%	2,975	1	429
1952	1	W	983	34	5	281	66	947	126	1,072	395	12	1,984	1,996	964	2,885	3,849	93%	93%	100%	3,638	209	2
1953	1	W	986	22	3	188	40	578	77	654	297	7	1,430	1,437	588	2,054	2,642	57%	57%	100%	2,374	251	17
1954	2	AN	983	22	3	191	42	601	80	681	256	8	1,282	1,290	612	1,873	2,485	59%	59%	100%	2,469	1	14
1955	4	D	993	23	4	195	43	624	83	706	259	8	1,303	1,311	635	1,906	2,541	62%	62%	100%	2,527	1	12
1956	1	W	993	32	5	280	61	995	117	1,112	331	13	1,765	1,778	1,013	2,586	3,599	87%	87%	100%	3,377	31	191
1957	2	AN	983	22	3	191	41	588	78	666	298	7	1,438	1,445	599	2,068	2,666	58%	58%	100%	2,417	233	17
1958	1	W	959	36	6	309	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,876	3,908	100%	100%	100%	3,896	1	11
1959	3	BN	990	18	3	159	34	495	66	560	266	6	1,267	1,273	504	1,810	2,314	49%	49%	100%	2,033	269	12
1960	4	D	983	19	3	171	38	549	73	621	234	7	1,170	1,177	559	1,706	2,264	54%	54%	100%	2,253	1	10
1961	4	D	983	21	3	174	41	591	79	670	252	7	1,262	1,269	602	1,827	2,430	58%	58%	100%	2,418	1	10
1962	3	BN	983	22	4	197	43	624	83	707	259	8	1,303	1,311	635	1,906	2,542	62%	62%	100%	2,527	1	13
1963	1	W	967	23	3	202	43	617	82	699	264	8	1,324	1,332	628	1,938	2,566	61%	61%	100%	2,512	34	20
1964	4	D	989	23	4	201	44	633	84	717	263	8	1,328	1,336	645	1,944	2,588	62%	62%	100%	2,551	23	14
1965	1	W	987	29	4	247	55	790	105	895	301	10	1,559	1,569	804	2,295	3,099	78%	78%	100%	3,036	50	14
1966	3	BN	987	25	4	212	47	669	89	758	302	8	1,499	1,507	681	2,174	2,854	66%	66%	100%	2,634	207	14
1967	1	W	983	30	5	260	57	825	110	935	328	10	1,678	1,688	840	2,462	3,302	81%	81%	100%	3,172	114	16
1968	3	BN	983	25	4	206	46	657	87	745	304	8	1,500	1,509	669	2,168	2,837	65%	65%	100%	2,608	218	11
1969	1	W	983	37	6	300	70	1,014	135	1,148	392	13	2,035	2,048	1,032	2,969	4,002	100%	100%	100%	3,896	72	33
1970	1	W	983	29	4	257	54	959	103	1,062	323	13	1,627	1,639	976	2,393	3,369	76%	76%	100%	2,979	120	270
1971	1	W	985	24	4	201	44	629	84	713	301	8	1,468	1,476	640	2,120	2,761	62%	62%	100%	2,541	205	14
1972	3	BN	992	24	4	209	44	640	85	725	267	8	1,349	1,357	651	1,978	2,630	63%	63%	100%	2,567	43	20
1973	2	AN	982	26	4	225	49	707	94	801	273	9	1,409	1,417	720	2,075	2,795	70%	70%	100%	2,717	61	16
1974	1	W	982	30	5	258	57	821	109	930	341	10	1,726	1,736	836	2,521	3,357	81%	81%	100%	3,157	185	16
1975	1	W	982	26	4	226	49	707	94	801	305	9	1,533	1,542	720	2,233	2,953	70%	70%	100%	2,719	217	17
1976	5	C	1,021	23	4	196	43	625	83	708	296	8	1,452	1,460	637	2,093	2,730	62%	62%	100%	2,532	187	11
1977	5	C	379	8	1	68	15	218	29	247	101	3	495	497	222	715	937	22%	22%	50%	897	39	2
1978	2	AN	983	27	4	236	56	799	106	905	295	10	1,538	1,548	813	2,258	3,071	79%	79%	100%	3,069	0	2
1979	3	BN	982	28	4	246	53	790	102	892	322	11	1,624	1,634	805	2,375	3,180	76%	76%	100%	2,945	182	53
1980	2	AN	986	32	5	261	61	879	117	995	363	11	1,810	1,821	894	2,644	3,538	87%	87%	100%	3,377	131	30
1981	4	D	983	24	4	204	45	642	85	727	308	8	1,498	1,506	653	2,163	2,817	63%	63%	100%	2,572	231	14
1982	1	W	967	36	6	311	70	1,109	135	1,244	396	15	2,033	2,047	1,129	2,981	4,110	100%	100%	100%	3,896	65	149
1983	1	W	963	37	6	319	70	1,421	135	1,556	414	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	93	549
1984	1	W	982	29	4	264	54	1,187	103	1,290	317	14	1,692	1,705	1,205	2,459	3,664	77%	77%	100%	2,988	93	584
1985	4	D	983	28	4	226	52	743	99	841	295	9	1,486	1,496	756	2,185	2,941	73%	73%	100%	2,855	78	8
1986	1	W	986	31	5	261	61	879	117	995	361	11	1,902	1,913	894	2,733	3,628	87%	87%	100%	3,369	171	88
1987	4	D	983	16	3	151	33	476	63	539	212	6	1,087	1,093	484	1,563	2,047	47%	47%	100%	1,953	84	10
1988	5	C	600	10	2	93	19	276	37	312	118	3	588	591	281	865	1,145	27%	27%	50%	1,134	1	11
1989	4	D	981	22	4	194	45	654	87	741	260	8	1,326	1,335	666	1,934	2,600	65%	65%	100%	2,594	0	6
1990	5	C	984	13	2	118	25	366	49	415	174	5	850	855	373	1,229	1,602	36%	36%	100%	1,506	87	9
1991	5	C	587	9	2	89	19	270	36	306	116	3	576	580	275	845	1,120	27%	27%	50%	1,108	0	12
1992	5	C	984	11	2	93	21	302	40	342	129	4	644	648	307	937	1,245	30%	30%	100%	1,235	0	10
1993	2	AN	982	28	4	239	53	767	102	869	283	10	1,476	1,486	781	2,181	2,962	76%	76%	100%	2,948	0	14
1994	5	C	987	22	3	185	41	593	79	671	293	7	1,424	1,432	603	2,045	2,648	58%	58%	100%	2,435	203	10
1995	1	W	987	29	5	251	59	845	112	957	313	11	1,626	1,637	860	2,391	3,251	83%	83%	100%	3,246	3	2
1996	1	W	962	27	4	230	51	730	97	827	315	9	1,581	1,590	743	2,300	3,044	72%	72%	100%	2,806	224	14
1997	1	W	988	32	5	284	61	1,161	116	1,277	348	14	1,800	1,814	1,180	2,642	3,822	87%	87%	100%	3,371	94	356
1998	1	W	876	34	5	287	67	960	127	1,088	406	12	2,031	2,043	978	2,953	3,931	95%	95%	100%	3,690	236	4
1999	1	W	983	25	4	222	47	675	90	764	315	8	1,536	1,545	687	2,234	2,921	67%	67%	100%	2,646	253	22
2000	2	AN	983	26	4	224	49	711	94	806	287	9	1,468	1,477	724	2,149	2,873	70%	70%	100%	2,734	125	14
2001	4	D	983	20	3	177	39	559	74	633	276	7	1,340	1,347	569	1,926	2,495	55%	55%	100%	2,295	188	12
2002	4	D	983	21	3	187	41	596	79	675	254	7	1,271	1,278	606	1,853	2,460	59%	59%	100%	2,447	1	12

Table WS-SWP-5j

		Alternative B															Alternative B					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	24	4	209	46	691	88	779	281	9	1,419	1,427	704	2,066	2,770	66%	66%	96%	2,623	96	51
MIN:		379	8	1	68	15	218	29	247	101	3	495	497	222	715	937	22%	22%	50%	897	0	2
MAX:		1,021	37	6	319	70	1,421	135	1,556	417	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	269	584
DP:	29-34, 76-77	831	15	2	130	29	421	55	476	180	5	906	911	429	1,314	1,743	41%	41%	82%	1,680	36	26
	W	976	30	5	258	57	883	110	992	339	11	1,727	1,738	898	2,521	3,420	81%	81%	100%	3,193	133	94
	AN	983	26	4	223	50	735	95	829	285	9	1,468	1,477	748	2,147	2,895	70%	70%	100%	2,783	59	53
AVG:	BN	981	24	4	211	46	678	88	766	287	9	1,444	1,452	690	2,100	2,790	65%	65%	100%	2,622	128	40
	D	986	21	3	185	42	602	80	682	261	8	1,304	1,311	613	1,893	2,506	59%	59%	100%	2,426	66	15
	C	773	13	2	120	26	384	50	434	171	5	847	852	391	1,227	1,618	37%	37%	75%	1,539	55	24
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,421	135	1,556	417	16	2,121	2,137	1,442	3,096	4,538	100%	100%	100%	3,896	269	584
2	1.3%	1,016	37	6	311	70	1,187	135	1,290	414	15	2,101	2,113	1,205	3,060	4,110	100%	100%	100%	3,896	265	549
3	2.5%	994	36	6	309	70	1,161	135	1,277	406	14	2,035	2,048	1,180	2,981	4,077	100%	100%	100%	3,896	253	429
4	3.8%	993	36	6	304	70	1,109	135	1,244	396	14	2,033	2,047	1,129	2,969	4,002	100%	100%	100%	3,896	251	356
5	5.0%	993	36	6	300	69	1,020	133	1,148	395	13	2,031	2,043	1,037	2,953	3,931	99%	99%	100%	3,838	236	270
6	6.3%	992	34	5	287	67	1,014	127	1,148	392	13	1,984	1,996	1,032	2,885	3,908	95%	95%	100%	3,690	233	194
7	7.5%	990	34	5	284	66	1,014	126	1,131	375	13	1,951	1,964	1,032	2,876	3,849	93%	93%	100%	3,638	231	191
8	8.8%	989	32	5	281	61	999	117	1,123	363	13	1,902	1,913	1,017	2,733	3,822	87%	87%	100%	3,377	229	176
9	10.0%	989	32	5	280	61	995	117	1,112	361	13	1,868	1,880	1,013	2,716	3,726	87%	87%	100%	3,377	225	170
10	11.3%	989	32	5	279	61	993	117	1,110	361	13	1,810	1,821	1,010	2,644	3,664	87%	87%	100%	3,376	224	149
11	12.5%	988	31	5	266	61	960	117	1,088	355	12	1,800	1,814	978	2,642	3,628	87%	87%	100%	3,371	218	88
12	13.8%	988	31	5	264	61	959	116	1,072	348	12	1,789	1,800	976	2,613	3,599	87%	87%	100%	3,369	217	72
13	15.0%	987	31	5	261	59	947	113	1,062	341	12	1,765	1,778	964	2,586	3,538	84%	84%	100%	3,264	217	53
14	16.3%	987	30	5	261	59	879	112	995	331	11	1,726	1,736	894	2,521	3,477	83%	83%	100%	3,246	209	33
15	17.5%	987	30	5	260	58	879	110	995	328	11	1,692	1,705	894	2,462	3,405	82%	82%	100%	3,185	207	30
16	18.8%	987	30	5	258	57	849	110	962	324	11	1,678	1,688	864	2,459	3,369	81%	81%	100%	3,172	205	27
17	20.0%	987	29	5	257	57	845	109	957	324	11	1,656	1,666	860	2,424	3,357	81%	81%	100%	3,157	203	22
18	21.3%	987	29	4	253	56	829	106	939	323	11	1,642	1,655	844	2,393	3,302	79%	79%	100%	3,069	198	21
19	22.5%	986	29	4	251	55	825	105	935	322	10	1,627	1,639	840	2,391	3,268	78%	78%	100%	3,036	194	20
20	23.8%	986	29	4	247	54	821	103	930	317	10	1,626	1,637	836	2,375	3,251	77%	77%	100%	2,988	188	20
21	25.0%	986	29	4	246	54	816	103	914	315	10	1,626	1,636	831	2,370	3,180	76%	76%	100%	2,979	187	20
22	26.3%	986	28	4	246	54	799	103	905	315	10	1,624	1,634	813	2,368	3,140	76%	76%	100%	2,975	185	18
23	27.5%	985	28	4	239	53	790	102	895	313	10	1,581	1,590	805	2,300	3,099	76%	76%	100%	2,948	182	17
24	28.8%	984	28	4	239	53	790	102	892	308	10	1,559	1,569	804	2,295	3,071	76%	76%	100%	2,945	178	17
25	30.0%	984	28	4	236	53	767	100	869	305	10	1,538	1,548	781	2,258	3,052	75%	75%	100%	2,907	174	17
26	31.3%	984	27	4	236	52	756	99	856	305	9	1,536	1,545	770	2,234	3,044	73%	73%	100%	2,855	171	16
27	32.5%	984	27	4	230	51	743	97	841	304	9	1,533	1,542	756	2,233	2,962	72%	72%	100%	2,820	140	16
28	33.8%	983	26	4	226	51	730	97	827	302	9	1,527	1,537	743	2,221	2,953	72%	72%	100%	2,806	131	16
29	35.0%	983	26	4	226	50	714	95	809	301	9	1,500	1,509	727	2,185	2,941	70%	70%	100%	2,745	128	16
30	36.3%	983	26	4	225	49	711	94	806	301	9	1,499	1,507	724	2,181	2,921	70%	70%	100%	2,734	125	16
31	37.5%	983	26	4	224	49	707	94	801	299	9	1,498	1,506	720	2,174	2,897	70%	70%	100%	2,719	120	15
32	38.8%	983	26	4	223	49	707	94	801	298	9	1,494	1,502	720	2,170	2,873	70%	70%	100%	2,717	114	15
33	40.0%	983	26	4	222	49	701	93	794	297	9	1,486	1,496	714	2,168	2,854	69%	69%	100%	2,702	102	14
34	41.3%	983	25	4	222	47	687	91	777	296	9	1,486	1,494	699	2,163	2,837	67%	67%	100%	2,660	96	14
35	42.5%	983	25	4	215	47	682	90	773	295	8	1,480	1,488	694	2,150	2,817	67%	67%	100%	2,646	94	14
36	43.8%	983	25	4	214	47	675	90	764	295	8	1,476	1,486	687	2,149	2,817	67%	67%	100%	2,646	93	14
37	45.0%	983	25	4	212	47	669	89	758	294	8	1,468	1,477	681	2,147	2,799	66%	66%	100%	2,634	93	14
38	46.3%	983	24	4	210	46	662	88	750	293	8	1,468	1,476	674	2,120	2,795	65%	65%	100%	2,619	87	14
39	47.5%	983	24	4	209	46	659	88	747	291	8	1,452	1,460	671	2,093	2,761	65%	65%	100%	2,611	84	14
40	48.8%	983	24	4	208	46	657	87	745	287	8	1,444	1,452	669	2,088	2,751	65%	65%	100%	2,608	81	14
41	50.0%	983	24	4	208	46	655	87	742	287	8	1,438	1,445	667	2,075	2,730	65%	65%	100%	2,603	78	14
42	51.3%	983	24	4	206	45	654	87	741	286	8	1,430	1,437	666	2,068	2,728	65%	65%	100%	2,594	78	14
43	52.5%	983	24	4	205	45	648	86	734	284	8	1,424	1,432	660	2,054	2,724	64%	64%	100%	2,586	72	14
44	53.8%	983	24	4	204	45	642	85	727	283	8	1,409	1,417	653	2,053	2,718	63%	63%	100%	2,572	65	13
45	55.0%	983	23	4	202	45	641	85	726	279	8	1,408	1,416	652	2,052	2,671	63%	63%	100%	2,567	63	13
46	56.3%	983	23	4	201	44	640	85	725	276	8	1,400	1,409	651	2,045	2,666	63%	63%	100%	2,564	61	12
47	57.5%	983	23	4	201	44	633	84	717	276	8	1,367	1,374	645	2,004	2,648	62%	62%	100%	2,551	50	12
48	58.8%	983	23	4	200	44	629	84	713	276	8	1,355	1,364	640	1,978	2,642	62%	62%	100%	2,541	43	12
49	60.0%	983	23	4	197	43	625	83	708	273	8	1,349	1,357	637	1,977	2,639	62%	62%	100%	2,532	39	12
50	61.3%	983	23	4	196	43	625	83	707	267	8	1,349	1,357	636	1,968	2,630	62%	62%	100%	2,531	35	12
51	62.5%	983	22	4	196	43	624	83	707	266	8	1,344	1,353	635	1,955	2,601	62%	62%	100%	2,527	34	12
52	63.8%	983	22	4	195	43	624	83	706	264	8	1,340	1,348	635	1,948	2,600	62%	62%	100%	2,527	31	11
53	65.0%	983	22	3	194	43	617	82	699	263	8	1,340	1,347	628	1,944	2,588	61%	61%	100%	2,512	23	11
54	66.3%	983	22	3	191	43	611	81	692	262	8	1,328	1,336	622	1,941	2,566	60%	60%	100%	2,483	13	11
55	67.5%	982	22	3	191	42	601	80	681	261	8	1,326	1,335	612	1,938	2,545	59%	59%	100%	2,469	3	11
56	68.8%	982	22	3	188	42	601	80	681	260	8	1,324	1,332	612	1,934	2,542	59%	59%	100%	2,460	1	11
57	70.0%	982	22	3	187	41	596	79	675	260	8	1,322	1,330	606	1,926	2,541	59%	59%	100%	2,447	1	11
58	71.3%	982	22	3	185	41	593	79	671	260	7	1,303	1,311	603	1,906	2,508	58%	58%	100%	2,435	1	10
59	72.5%	982	21	3	185	41	591	79	670	259	7	1,303	1,311	602	1,906	2,495	58%	58%	100%	2,418	1	10
60	73.8%	982	21	3	185	41	591	78	666	259	7	1,293	1,300	602	1,873	2,491	58%	58%	100%	2,417	1	10
61	75.0%	982	21	3	183	41	588	78	665	257	7	1,282	1,290	599	1,868	2,485	58%	58%	100%	2,405	1	10
62	76.3%	982	20	3	179	40	586	77	663	256	7	1,282	1,290	596	1,860	2,472	57%	57%	100%	2,374	1	10
63	77.5%	982	20	3	177	40	578	76	654	256	7	1,271	1,278	588	1,853	2,460	56%	56%	100%	2,340	1	10
64	78.8%	982	20	3	174	39	570	74	645	254	7	1,267	1,273	580	1,827	2,430	55%	55%	100%	2,295	1	10
65	80.0%	982	20	3	173	39	559	74	633	252	7	1,262	1,269	569	1,810	2,358	55%	55%	100%	2,271	1	10
66	81.3%	982	20	3	171	38	549	73	621	242	7	1,215	1,223	559	1,778	2,343	54%	54%	100%	2,253	1	10
67	82.5%	981	19	3	171	38	548	73	621	237	7	1,202	1,210	558	1,740	2,314	54%	54%	100%	2,252	1	10
68	83.8%	971	19	3	170	38	543	72	615	234	7	1,170	1,177	553	1,716	2,274	54%	54%	100%	2,233	1	10
69	85.0%	967	19	3	162	37	536	71	607	234	7	1,169	1,176	545	1,706	2,264	53%	53%	100%	2,195	1	9
70	86.3%	967	18	3	159	34	495	66	560	228	7	1,143	1,150	504	1,660	2,206	49%	49%	100%	2,033	1	9
71	87.5%	963	16	3	151	33	495	63	547	212	6	1,087	1,093	504	1,563	2,047	47%	47%	100%	1,953	1	8
72	88.8%	962	15	2	138	30	476	57	539	189	6	927	932	484	1,339	1,810	42%	42%	100%	1,749	0	8
73	90.0%	959	14	2	129	28	426	53	482	182	5	908	914	434	1,320	1,754	39%	39%	100%	1,630	0	6
74	91.3%	920	14	2	129	27	396	52	449	174	5	906	913	404	1,307	1,743	39%	39%	100%	1,615	0	6
75	92.5%	876	13	2	120	26	370	49	419	169	5	850	855	377	1,229	1,602	37%	37%	100%	1,521	0	4
76	93.8%	600	13	2	118	25	366	49	415	165	5	817	821	373	1,190	1,567	36%	36%	50%	1,506	0	4
77	95.0%	592	11	2	93	21	302	40	342	129	4	644	648	307	937	1,245	30%	30%	50%	1,235	0	2
78	96.3%	587	10	2	93	19	276	37	312	118	3	588	591	281	865	1,145	27%	27%	50%	1,134	0	2
79	97.5%	585	9	2	89	19	270	36	306	116	3	576	580	275	845	1,120	27%	27%	50%	1,108	0	2
80	98.8%	580	9	2	87	19	269	36	305	116	3	575	578	274	841	1,116	27%	27%	50%	1,106	0	2
81	100.0%	379	8	1	68	15	218	29	247	101	3	495	497	222	715	937	22%	22%	50%	897	0	2

Table WS-SWP-5k

			No Action Alternative																				
			State Water Project (SWP) Contract Deliveries																	State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3	BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5	C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4	D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4	D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1	W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2	AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5	C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4	D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5	C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4	D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5	C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5	C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3	BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3	BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3	BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1	W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4	D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2	AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1	W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1	W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1	W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4	D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3	BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3	BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4	D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3	BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4	D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3	BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2	AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1	W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1	W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2	AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4	D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1	W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2	AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1	W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3	BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4	D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4	D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3	BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1	W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4	D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1	W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3	BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1	W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3	BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1	W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1	W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1	W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3	BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2	AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1	W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1	W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5	C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5	C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2	AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3	BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2	AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4	D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1	W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1	W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1	W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642	77%	77%	100%	2,988	93	562
1985	4	D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920	73%	73%	100%	2,832	80	8
1986	1	W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640	87%	87%	100%	3,376	169	94
1987	4	D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	97	10
1988	5	C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	7
1989	4	D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658	67%	67%	100%	2,650	0	8
1990	5	C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089	23%	23%	100%	967	114	8
1991	5	C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	12
1992	5	C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098	26%	26%	100%	1,088	0	10
1993	2	AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897	74%	74%	100%	2,885	0	12
1994	5	C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327	51%	51%	100%	2,118	198	10
1995	1	W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314	85%	85%	100%	3,310	2	1
1996	1	W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932	69%	69%	100%	2,690	228	14
1997	1	W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477	83%	83%	100%	3,225	168	84
1998	1	W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814	92%	92%	100%	3,584	226	4
1999	1	W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947	68%	68%	100%	2,685	245	16
2000	2	AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788	65%	65%	100%	2,612	162	14
2001	4	D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	97	14
2002	4	D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,682	68%	68%	100%	2,669	0	13

Table WS-SWP-5k

		No Action Alternative															No Action Alternative					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639	62%	62%	96%	2,496	91	51
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468	34%	34%	82%	1,386	37	44
	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338	80%	80%	100%	3,132	124	81
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840	69%	69%	100%	2,730	67	44
AVG:	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758	64%	64%	100%	2,593	120	45
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296	54%	54%	100%	2,202	62	32
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316	30%	30%	75%	1,234	52	30
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133	100%	100%	100%	3,896	267	549
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022	100%	100%	100%	3,896	245	420
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960	100%	100%	100%	3,894	242	306
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814	95%	95%	100%	3,593	233	297
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799	92%	92%	100%	3,584	233	266
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711	90%	90%	100%	3,501	228	247
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669	87%	87%	100%	3,377	227	169
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642	87%	87%	100%	3,377	226	155
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640	87%	87%	100%	3,376	217	126
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604	87%	87%	100%	3,376	217	94
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573	85%	85%	100%	3,310	214	84
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477	83%	83%	100%	3,225	210	61
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334	81%	81%	100%	3,147	208	59
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314	81%	81%	100%	3,147	200	20
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280	80%	80%	100%	3,110	198	19
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249	78%	78%	100%	3,054	197	19
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206	77%	77%	100%	2,988	196	17
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156	76%	76%	100%	2,973	195	16
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090	75%	75%	100%	2,908	195	16
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067	74%	74%	100%	2,885	192	16
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003	73%	73%	100%	2,858	189	16
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985	73%	73%	100%	2,856	187	16
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958	73%	73%	100%	2,855	171	15
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947	73%	73%	100%	2,844	169	15
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932	73%	73%	100%	2,838	168	15
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920	73%	73%	100%	2,832	162	15
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897	71%	71%	100%	2,771	162	14
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870	71%	71%	100%	2,755	137	14
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869	70%	70%	100%	2,720	125	14
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853	69%	69%	100%	2,697	119	14
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850	69%	69%	100%	2,690	114	14
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846	68%	68%	100%	2,685	111	14
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840	68%	68%	100%	2,682	99	14
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830	68%	68%	100%	2,669	97	14
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803	67%	67%	100%	2,650	97	14
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788	67%	67%	100%	2,645	93	14
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787	66%	66%	100%	2,638	91	14
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775	66%	66%	100%	2,630	88	14
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720	65%	65%	100%	2,615	86	14
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714	65%	65%	100%	2,612	80	13
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682	65%	65%	100%	2,602	66	13
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674	63%	63%	100%	2,574	47	13
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658	62%	62%	100%	2,536	44	12
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634	62%	62%	100%	2,534	21	12
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620	61%	61%	100%	2,510	21	12
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600	61%	61%	100%	2,506	5	12
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565	60%	60%	100%	2,482	2	12
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551	59%	59%	100%	2,452	2	12
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543	59%	59%	100%	2,444	1	12
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536	58%	58%	100%	2,426	1	12
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525	58%	58%	100%	2,424	1	12
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521	58%	58%	100%	2,416	1	12
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510	58%	58%	100%	2,400	1	11
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496	55%	55%	100%	2,306	1	11
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461	55%	55%	100%	2,289	1	10
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461	55%	55%	100%	2,275	1	10
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446	55%	55%	100%	2,272	1	10
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441	54%	54%	100%	2,240	1	10
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426	53%	53%	100%	2,188	1	10
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327	52%	52%	100%	2,146	1	10
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313	51%	51%	100%	2,118	1	10
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199	50%	50%	100%	2,084	1	10
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105	49%	49%	100%	2,044	1	10
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055	48%	48%	100%	2,009	1	9
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006	48%	48%	100%	1,993	1	8
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995	48%	48%	100%	1,985	1	8
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985	48%	48%	100%	1,978	1	8
69	85.0%	967	15	2	140	29	484	55	548	183	6	973	980	493	1,384	1,934	41%	41%	100%	1,687	0	8
70	86.3%	967	14	2	137	27	483	52	547	176	6	944	951	491	1,348	1,888	39%	39%	100%	1,621	0	8
71	87.5%	963	14	2	129	27	384	51	436	170	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	0	8
72	88.8%	962	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	0	8
73	90.0%	959	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	100%	1,288	0	8
74	91.3%	920	9	1	84	18	266	35	301	133	3	641	645	271	919	1,180	26%	26%	100%	1,088	0	7
75	92.5%	876	9	1	83	18	256	34	290	114	3	603	606	261	850	1,098	25%	25%	100%	1,051	0	6
76	93.8%	600	9	1	79	17	241	32	273	112	3	567	571	245	827	1,089	24%	24%	50%	985	0	4
77	95.0%	592	8	1	75	17	238	32	270	103	3	514	517	243	748	993	24%	24%	50%	976	0	2
78	96.3%	587	8	1	73	16	235	31	266	103	3	508	511	239	742	985	23%	23%	50%	967	0	2
79	97.5%	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	2
80	98.8%	585	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	1
81	100.0%	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1

Table WS-CVP-5a

Alternative B
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	61%	48%	85%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	94%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	59%	96%	85%	100%	100%	100%
Below Normal (17%)	55%	37%	85%	75%	100%	100%	100%
Dry (22%)	39%	32%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,136	516	1,652	2,792	565
Water Year Types[2]					
Wet (32%)	1,810	530	2,339	2,807	591
Above Normal (15%)	1,440	523	1,964	2,823	582
Below Normal (17%)	915	509	1,425	2,855	585
Dry (22%)	756	519	1,276	2,841	565
Critical (15%)	224	485	709	2,583	469

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	431	71	62
Water Year Types[2]			
Wet (32%)	453	97	40
Above Normal (15%)	444	91	46
Below Normal (17%)	448	81	56
Dry (22%)	430	55	81
Critical (15%)	354	11	104

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5a

Alternative B

4-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	216	211	1,939	288	16	852	36	290	596
Water Year Types[2]									
Wet (32%)	326	241	1,932	468	18	875	58	271	958
Above Normal (15%)	300	239	1,949	355	17	875	44	268	742
Below Normal (17%)	196	211	1,980	224	15	875	28	283	468
Dry (22%)	139	192	1,977	192	15	864	24	312	401
Critical (15%)	36	148	1,842	59	11	741	7	326	122

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B

5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	158	1	26	261	56	30	12	14	7
Water Year Types[2]									
Wet (32%)	172	2	26	269	77	12	12	19	3
Above Normal (15%)	163	2	26	269	72	16	12	17	4
Below Normal (17%)	167	1	26	269	64	25	12	16	5
Dry (22%)	153	1	26	265	43	44	12	10	10
Critical (15%)	120	0	23	224	9	65	10	2	16

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B

6-NODOS Local Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5b

No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	60%	48%	85%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,138	516	1,654	2,786	562
Water Year Types[2]					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	428	0	134
Water Year Types[2]			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5b

No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	213	211	1,934	290	16	852	36	290	599
Water Year Types[2]									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	155	0	27	261	0	86	12	0	20
Water Year Types[2]									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5c

Difference: Alternative B minus No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	1%	0%	0%	0%	0%	0%	0%
Water Year Types[2]							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	1%	0%	0%	1%	0%	0%	0%
Below Normal (17%)	0%	-2%	1%	-1%	0%	0%	0%
Dry (22%)	2%	1%	0%	0%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	-2	0	-2	6	3
Water Year Types[2]					
Wet (32%)	-10	0	-10	5	4
Above Normal (15%)	17	3	20	7	5
Below Normal (17%)	-37	0	-36	6	2
Dry (22%)	24	1	25	6	1
Critical (15%)	-1	-1	-2	5	4

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	3	71	-71
Water Year Types[2]			
Wet (32%)	4	97	-97
Above Normal (15%)	5	91	-91
Below Normal (17%)	2	81	-81
Dry (22%)	1	55	-55
Critical (15%)	4	11	-11

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5c

Difference: Alternative B minus No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	3	0	6	-2	0	0	0	0	-3
Water Year Types[2]									
Wet (32%)	3	0	5	-3	0	0	0	0	-10
Above Normal (15%)	3	1	7	2	0	0	1	2	12
Below Normal (17%)	-1	1	6	-11	0	0	-1	-1	-23
Dry (22%)	8	1	6	4	0	0	1	0	12
Critical (15%)	0	0	5	-1	0	0	0	-1	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	3	1	-1	0	56	-56	0	14	-14
Water Year Types[2]									
Wet (32%)	4	2	-2	0	77	-77	0	19	-19
Above Normal (15%)	5	2	-2	0	72	-72	0	17	-17
Below Normal (17%)	2	1	-1	0	64	-64	0	16	-16
Dry (22%)	1	1	-1	0	43	-43	0	10	-10
Critical (15%)	4	0	0	0	9	-9	0	2	-2

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative

6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5d

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	Ag Service Deliveries (Mar-Feb, TAF)
	Long-term		
Full Simulation Period[1]			
No Action Alternative	60%	48%	1,138
Alternative B	61%	48%	1,136
Difference	1%	0%	-2
Percent Difference[3]			-0.2%
	Water Year Types[2]		
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative B	94%	77%	1,810
Difference	1%	0%	-10
Percent Difference			-0.6%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative B	84%	59%	1,440
Difference	1%	0%	17
Percent Difference			1.2%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative B	55%	37%	915
Difference	0%	-2%	-37
Percent Difference			-3.8%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative B	39%	32%	756
Difference	2%	1%	24
Percent Difference			3.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative B	10%	10%	224
Difference	0%	0%	-1
Percent Difference			-0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

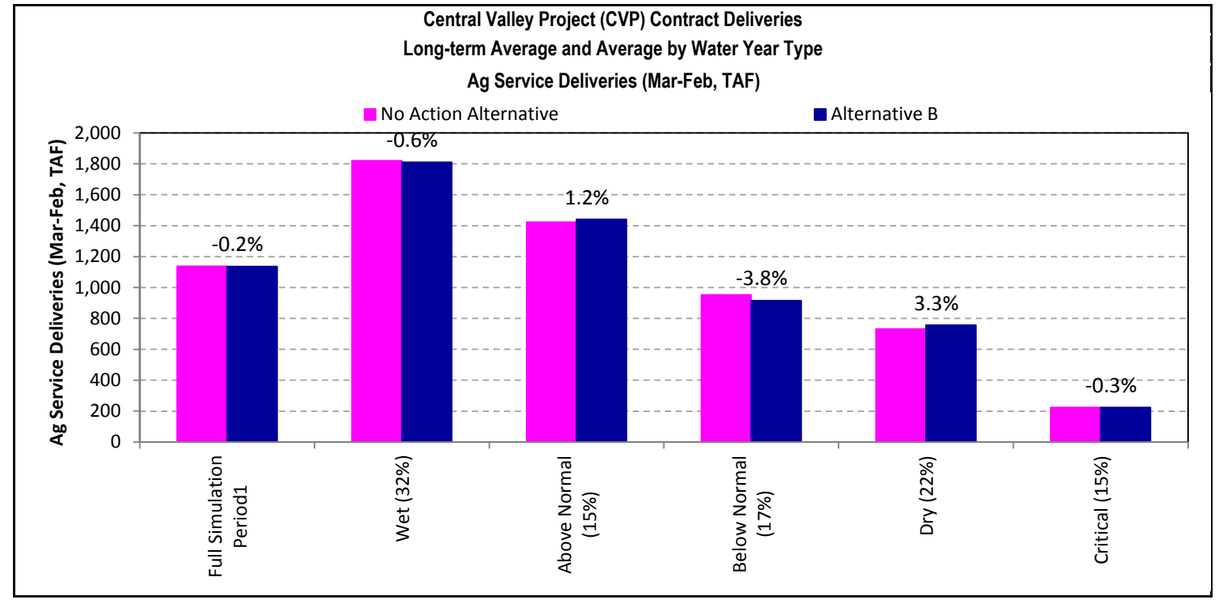

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Figure WS-CVP-5e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

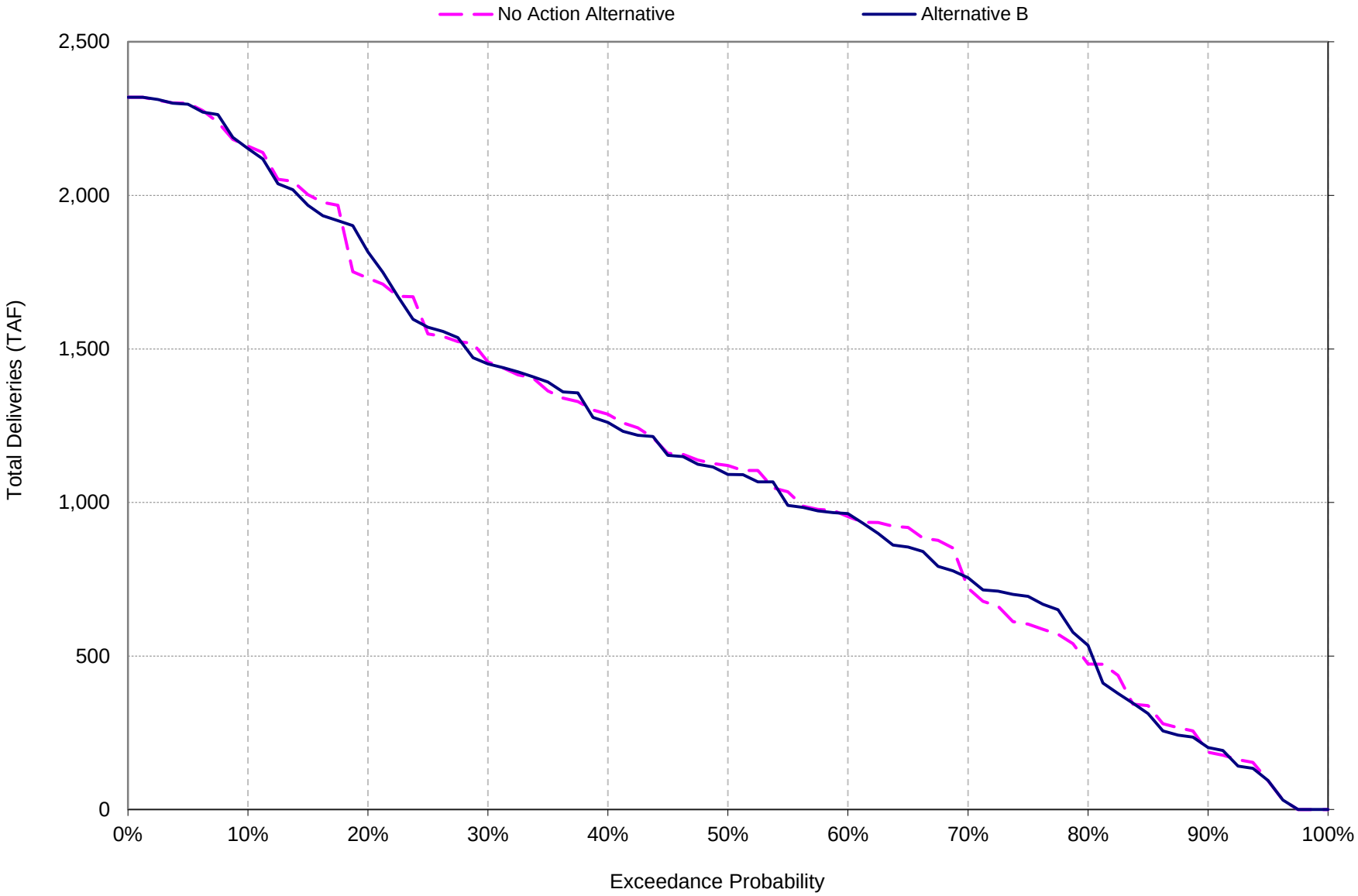

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Table WS-CVP-5f

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	85%	79%	516
Alternative B	85%	79%	516
Difference	0%	0%	0
Percent Difference[3]			0.1%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative B	99%	93%	530
Difference	0%	0%	0
Percent Difference			0.0%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative B	96%	85%	523
Difference	0%	1%	3
Percent Difference			0.5%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative B	85%	75%	509
Difference	1%	-1%	0
Percent Difference			0.0%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative B	77%	73%	519
Difference	0%	0%	1
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative B	58%	58%	485
Difference	0%	0%	-1
Percent Difference			-0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

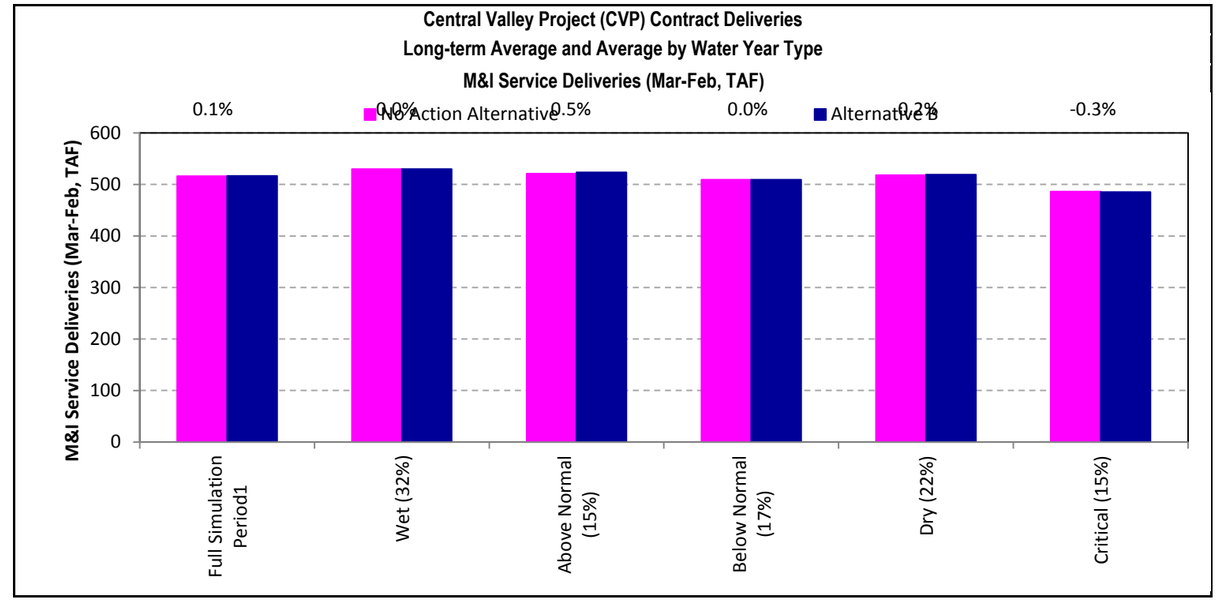

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Figure WS-CVP-5g

Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

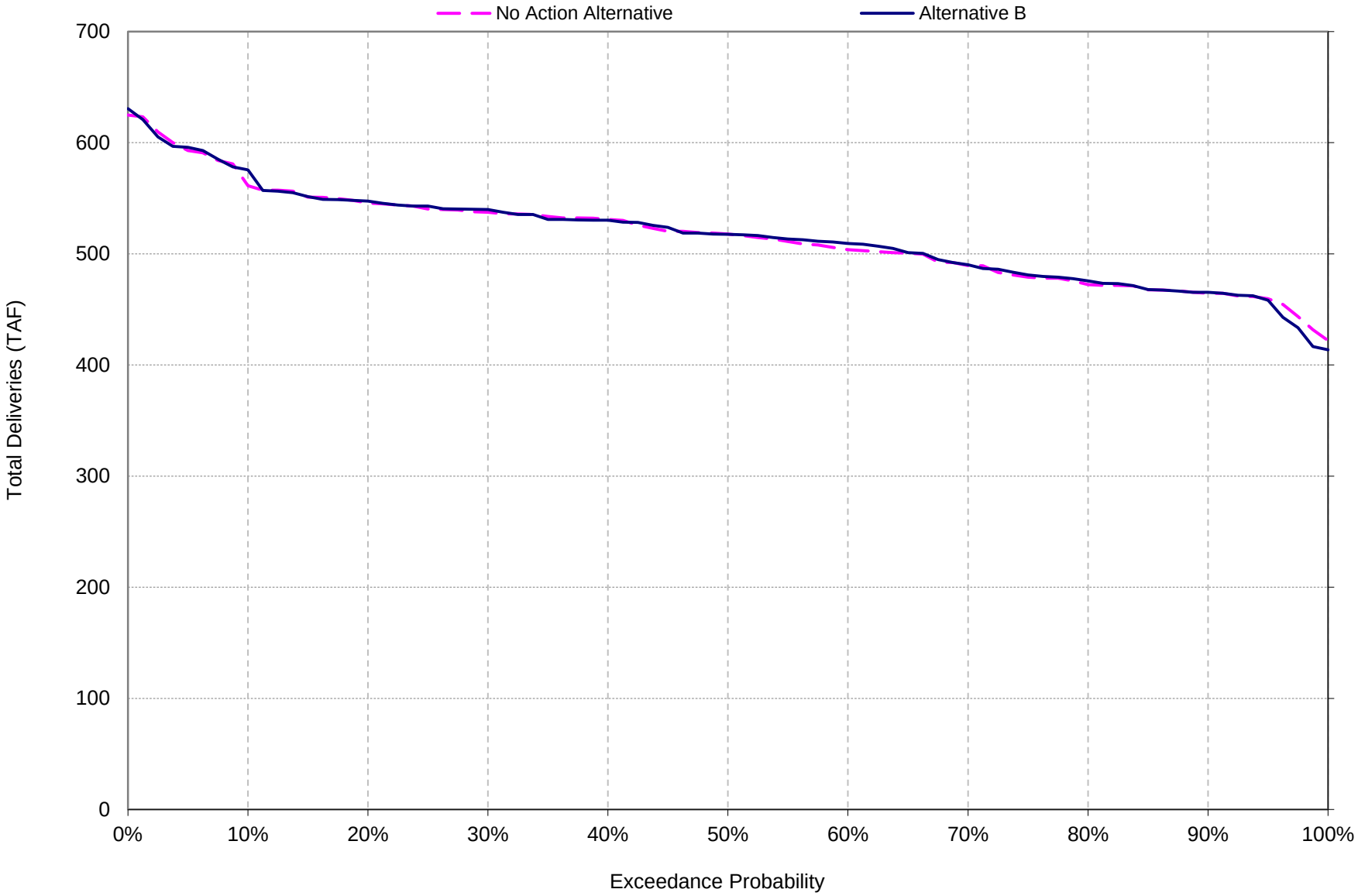

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Table WS-CVP-5h

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	97%	97%	2,786
Alternative B	97%	97%	2,792
Difference	0%	0%	6
Percent Difference[3]			0.2%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative B	100%	100%	2,807
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative B	100%	100%	2,823
Difference	0%	0%	7
Percent Difference			0.2%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative B	100%	100%	2,855
Difference	0%	0%	6
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative B	99%	99%	2,841
Difference	0%	0%	6
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative B	83%	85%	2,583
Difference	0%	0%	5
Percent Difference			0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

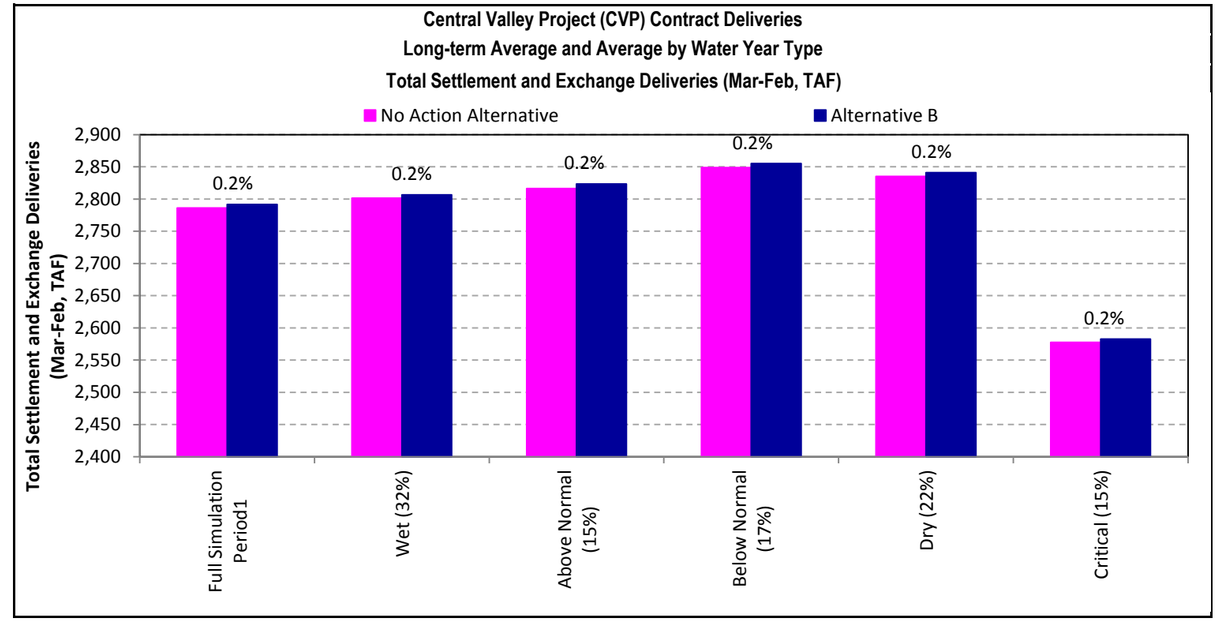

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Figure WS-CVP-5i

Central Valley Project (CVP) Settlement and Exchange Contract Deliveries Probability Exceedance Chart

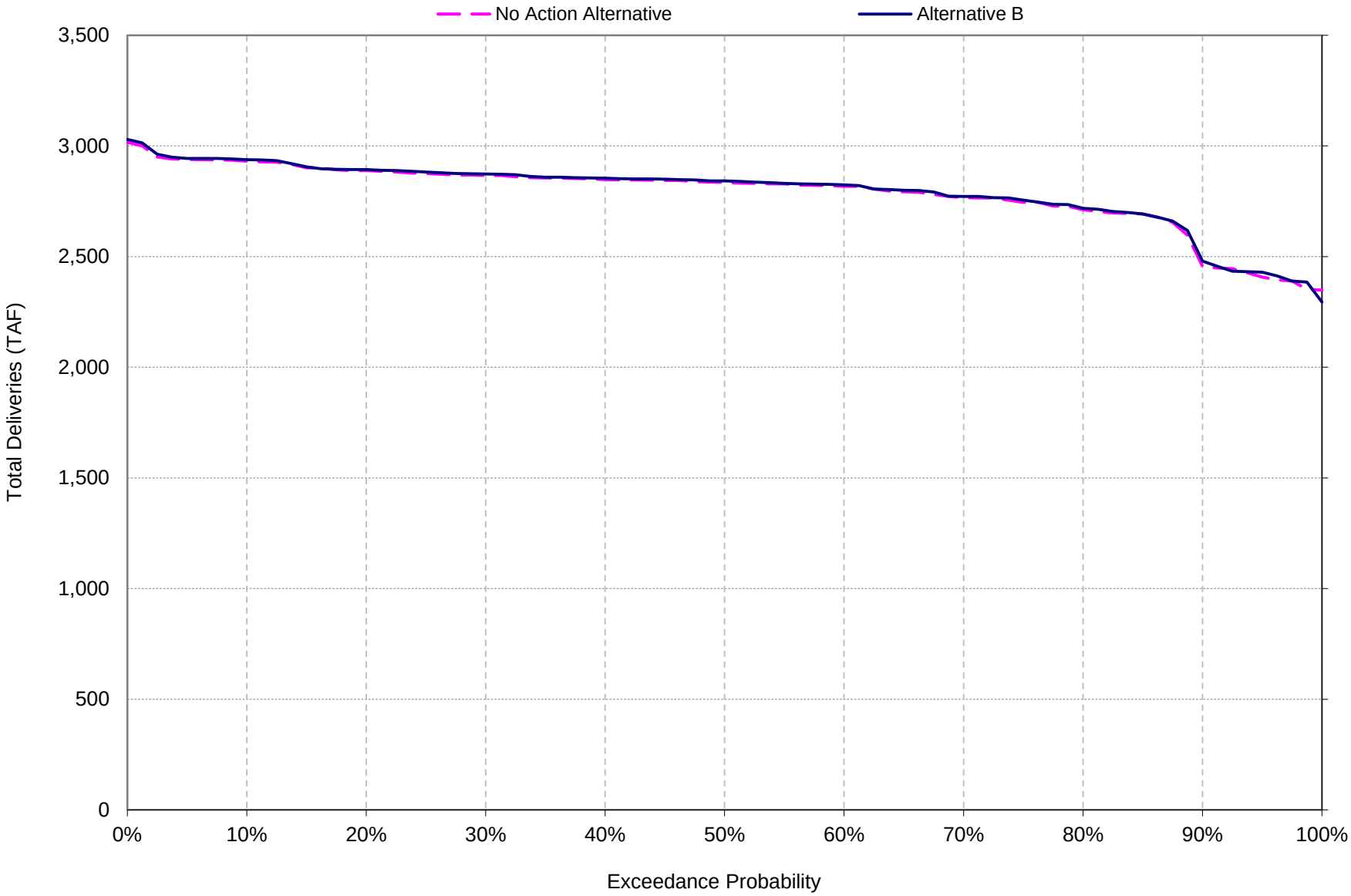

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Table WS-CVP-5j

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	97%	428
Alternative B	97%	431
Difference	0%	3
Percent Difference[3]		0.7%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	450
Alternative B	100%	453
Difference	0%	4
Percent Difference		0.9%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative B	100%	444
Difference	0%	5
Percent Difference		1.1%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative B	100%	448
Difference	0%	2
Percent Difference		0.5%
Dry (22%)		
No Action Alternative	99%	429
Alternative B	99%	430
Difference	0%	1
Percent Difference		0.3%
Critical (15%)		
No Action Alternative	83%	350
Alternative B	83%	354
Difference	0%	4
Percent Difference		1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

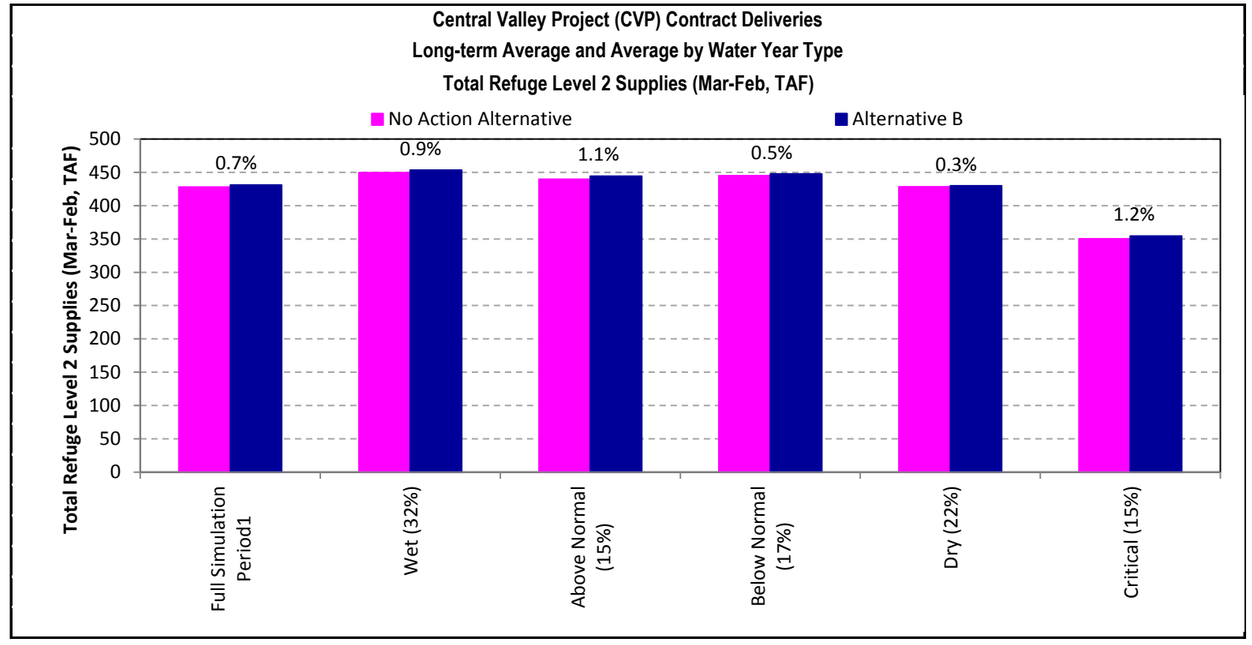

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Figure WS-CVP-5k

Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart

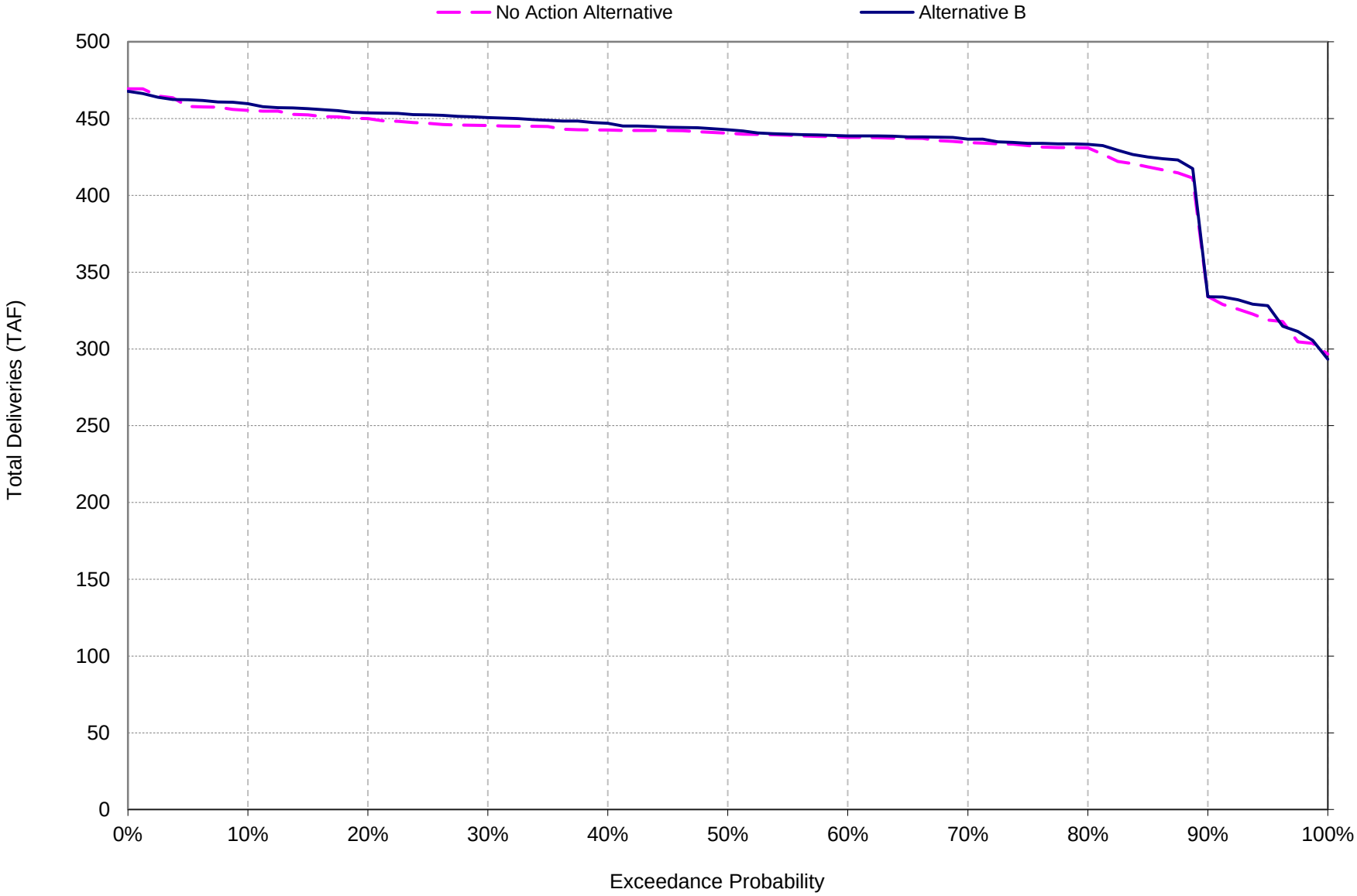

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Table WS-CVP-5l

Alternative B

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,019	167	2	26	0	2,820	480	20	875	269	78	11	1,732	59	288	347	1,005	12	19	2	1,038
1923	3	BN	231	214	2,007	157	3	25	0	2,637	260	15	875	269	78	11	1,507	32	261	293	545	12	19	2	578
1924	5	C	22	147	1,806	104	0	21	0	2,100	37	11	674	202	0	66	990	5	328	332	78	9	0	16	103
1925	4	D	208	198	1,872	153	0	28	0	2,459	317	16	875	269	0	89	1,565	40	278	318	667	12	0	21	701
1926	4	D	48	171	1,880	152	0	28	0	2,279	82	13	875	269	0	89	1,327	10	345	355	172	12	0	21	205
1927	1	W	357	245	1,976	158	2	26	0	2,764	377	17	875	269	70	19	1,627	46	263	309	790	12	15	6	823
1928	2	AN	160	194	1,976	154	2	25	0	2,511	212	15	875	269	78	11	1,459	26	256	282	442	12	19	2	476
1929	5	C	0	133	2,045	142	0	28	0	2,348	0	10	875	269	22	67	1,242	0	324	324	0	12	5	16	33
1930	4	D	55	164	1,949	158	0	28	0	2,354	91	13	875	269	3	86	1,336	11	352	363	189	12	0	21	223
1931	5	C	30	160	1,758	101	0	21	0	2,069	51	12	674	202	0	66	1,004	6	262	268	106	9	0	16	131
1932	4	D	37	149	1,761	123	0	21	0	2,091	64	12	674	202	0	66	1,017	8	255	263	134	9	0	16	159
1933	5	C	5	128	1,783	118	0	21	0	2,055	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	20	140	1,621	83	0	21	0	1,884	36	11	674	202	0	66	988	4	333	337	74	9	0	16	99
1935	3	BN	34	163	1,891	169	0	28	0	2,284	52	12	875	269	0	89	1,296	7	239	246	110	12	0	21	143
1936	3	BN	116	189	1,946	172	1	27	0	2,452	198	15	875	269	28	61	1,446	24	261	285	416	12	7	14	449
1937	3	BN	106	205	1,956	187	1	27	0	2,481	175	15	875	269	75	14	1,422	22	258	281	365	12	19	2	398
1938	1	W	357	240	1,954	180	2	26	0	2,758	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1939	4	D	128	187	2,154	144	1	27	0	2,641	207	15	875	269	43	46	1,454	26	383	408	431	12	10	11	465
1940	2	AN	267	248	1,917	153	1	27	0	2,612	267	15	875	269	32	57	1,514	33	256	289	558	12	5	16	591
1941	1	W	329	248	1,803	175	2	26	0	2,583	531	20	875	269	78	11	1,783	66	280	345	1,112	12	19	2	1,146
1942	1	W	349	240	1,860	170	2	26	0	2,648	506	17	875	269	78	11	1,755	62	280	342	1,016	12	19	2	1,050
1943	1	W	280	243	1,977	175	2	26	0	2,703	477	20	875	269	78	11	1,730	59	280	338	1,000	12	19	2	1,034
1944	4	D	89	191	1,968	152	2	26	0	2,428	152	15	875	269	78	11	1,399	19	274	292	318	12	19	2	351
1945	3	BN	212	212	1,923	170	1	27	0	2,545	356	17	875	269	78	11	1,605	44	272	316	744	12	19	2	777
1946	3	BN	289	238	2,069	170	2	26	0	2,793	348	16	875	269	78	11	1,597	43	270	313	729	12	19	2	762
1947	4	D	151	179	2,003	159	1	27	0	2,520	253	15	875	269	61	27	1,500	32	274	305	528	12	17	4	562
1948	3	BN	252	223	1,743	158	1	26	0	2,403	143	15	875	269	78	11	1,390	18	257	275	298	12	19	2	331
1949	4	D	227	214	1,995	157	2	26	0	2,621	308	15	875	269	78	11	1,555	39	276	314	641	12	19	2	675
1950	3	BN	108	196	2,022	172	2	26	0	2,526	182	15	875	269	78	11	1,429	23	260	283	381	12	19	2	414
1951	2	AN	343	247	1,987	164	2	26	0	2,768	377	17	875	269	78	11	1,627	46	271	318	791	12	19	2	824
1952	1	W	357	246	1,962	179	2	26	0	2,771	608	20	875	269	78	11	1,860	75	280	355	1,272	12	19	2	1,306
1953	1	W	353	238	1,965	168	2	26	0	2,752	229	15	875	269	78	11	1,476	28	248	276	480	12	19	2	513
1954	2	AN	357	246	1,898	166	2	26	0	2,695	248	15	875	269	78	11	1,495	30	256	286	519	12	19	2	552
1955	4	D	153	190	2,018	159	2	26	0	2,547	260	15	875	269	78	11	1,508	32	274	306	546	12	19	2	579
1956	1	W	357	244	1,997	174	2	25	0	2,800	501	20	875	269	78	11	1,753	61	280	341	1,049	12	19	2	1,082
1957	2	AN	252	244	1,980	161	2	26	0	2,664	189	15	875	269	78	11	1,437	23	256	279	397	12	19	2	430
1958	1	W	336	243	1,843	181	2	25	0	2,631	601	20	875	269	78	11	1,854	75	280	354	1,259	12	19	2	1,293
1959	3	BN	237	217	2,087	151	3	25	0	2,720	168	15	875	269	78	11	1,415	21	373	394	352	12	19	2	386
1960	4	D	109	175	1,983	156	1	27	0	2,452	184	15	875	269	78	11	1,431	23	326	349	384	12	19	2	418
1961	4	D	173	187	1,984	153	0	28	0	2,524	249	15	875	269	3	86	1,496	31	274	305	520	12	0	21	553
1962	3	BN	242	233	2,014	158	0	28	0	2,675	257	15	875	269	16	73	1,504	32	373	405	536	12	3	18	570
1963	1	W	341	243	1,839	163	1	27	0	2,614	327	16	875	269	78	11	1,575	40	252	293	685	12	19	2	718
1964	4	D	100	194	2,069	158	1	27	0	2,548	171	15	875	269	78	11	1,418	21	327	348	359	12	19	2	392
1965	1	W	260	240	1,952	167	2	26	0	2,648	435	17	875	269	78	11	1,684	55	274	328	846	12	19	2	879
1966	3	BN	322	242	2,068	160	2	25	0	2,819	239	15	875	269	78	11	1,486	29	261	290	501	12	19	2	535
1967	1	W	338	241	1,818	172	2	26	0	2,597	609	20	875	269	78	11	1,861	75	280	355	1,275	12	19	2	1,308
1968	3	BN	234	227	1,952	169	2	26	0	2,610	207	15	875	269	78	11	1,454	25	355	380	433	12	19	2	466
1969	1	W	357	248	2,000	181	2	26	0	2,814	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1970	1	W	241	231	2,016	157	2	25	0	2,673	376	17	875	269	78	11	1,626	46	262	309	787	12	19	2	821
1971	1	W	319	246	2,066	163	1	26	0	2,822	191	15	875	269	78	11	1,438	23	248	271	399	12	19	2	433
1972	3	BN	187	205	2,074	166	2	26	0	2,660	243	15	875	269	78	11	1,490	30	261	291	508	12	19	2	541
1973	2	AN	357	252	1,971	171	1	27	0	2,779	336	16	875	269	78	11	1,585	41	262	304	704	12	19	2	737
1974	1	W	353	243	1,925	180	2	25	0	2,728	524	17	875	269	78	11	1,774	64	280	344	1,078	12	19	2	1,111
1975	1	W	357	240	2,001	173	2	25	0	2,798	356	15	875	269	78	11	1,602	44	258	302	715	12	19	2	749
1976	5	C	36	155	2,139	157	3	25	0	2,515	62	12	875	269	78	11	1,306	8	346	354	130	12	19	2	163
1977	5	C	15	122	1,756	95	0	21	0	2,008	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	355	245	1,931	163	2	26	0	2,722	594	20	875	269	75	14	1,846	74	284	359	1,240	12	19	2	1,273
1979	3	BN	180	197	1,972	173	1	27	0	2,549	302	15	875	269	78	11	1,549	38	261	299	630	12	19	2	663
1980	2	AN	295	247	1,967	177	2	25	0	2,714	504	20	875	269	78	11	1,756	62	288	350	1,056	12	19	2	1,090
1981	4	D	263	248	1,928	159	1	27	0	2,626	224	15	875	269	78	11	1,471	27	368	395	469	12	19	2	503
1982	1	W	328	252	1,829	181	1	26	0	2,617	607	20	875	269	78	11	1,859	75	280	355	1,143	12	19	2	1,176
1983	1	W	338	256	1,825	185	1	26	0	2,632	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1984	1	W	336	250	2,063	171	2	26	0	2,848	378	17	875	269	78	11	1,627	46	263	310	776	12	19	2	809
1985	4	D	257	229	1,998	162	2	25	0	2,674	267	15	875	269	78	11	1,514	33	274	307	559	12	19	2	592
1986	1	W	197	197	1,981	176	2	26	0	2,578	331	16	875	269	78	11	1,579	41	254	295	692	12	19	2	725
1987	4	D	85	192	2,030	143	1	27	0	2,477	140	15	875	269	46	42	1,387	18	369	387	292	12	10	11	325
1988	5	C	0	132	2,010	136	0	28	0	2,306	0	10	875	269	3	86	1,242	0	316	316	0	12	0	21	33
1989	4	D	66	166	1,981	157	0	28	0	2,398	108	14	875	269	0	89	1,354	14	263	277	224	12	0	21	258
1990	5	C	0	135	2,019	146	0	28	0	2,328	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	163	1,716	123	0	21	0	2,063	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	59	168	1,711	117	0	21	0	2,077	99	13	674	202	0	66	1,054	12	292	304	208	9	0	16	233
1993	2	AN	216	223	1,892	168	2	26	0	2,526	356	17	875	269	64	25	1,605	45	267	311	743	12	15	6	777
1994	5	C	203	195	1,740	121	0	21	0	2,280	323	12	674	202	0	66	1,276	34	389	424	658	9	0	16	683
1995	1	W	353	242	1,896	176	1	27	0	2,695	572	20	875	269	71	18	1,824	71	278	349	1,193	12	19	2	1,227
1996	1	W	343	241	1,862	162	2	26	0	2,635	430	17	875	269	78	11	1,679	53	273	326	845	12	19	2	878
1997	1	W	281	233	2,058	164	2	26	0	2,764	480	17	875	269	63	26	1,729	59	280	339	930	12	12	9	963
1998	1	W	312	249	1,786	183	1	26	0	2,558	601	20	875	269	78	11	1,853	74	280	354	1,131	12	19	2	1,164
1999	1	W	357	224	1,975	164	2	26	0	2,748	286	15	875	269	78	11	1,533	35	248	283	598	12	19	2	632
2000	2	AN	339	231	1,897	153	2	26	0	2,647	338	16	875	269	78	11	1,586	42	263	304	707	12	19	2	740
2001	4	D	111	192	1,959	148	3	25	0	2,438	188	15	875	269	78	11	1,435	23	386	409	394	12	19	2	427
2002	4	D	243	236	2,062	156	0	28	0	2,725	190	15	875	269	3	86	1,437	23	327	350	398	12	0	21	432

Table WS-CVP-5I

Alternative B

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		216	211	1,939	158	1	26	0	2,551	288	16	852	261	56	30	1,504	36	290	325	596	12	14	7	629
MIN:		0	122	1,621	83	0	21	0	1,884	0	10	674	202	0	11	960	0	239	246	0	9	0	2	33
MAX:		357	256	2,154	187	3	28	0	2,848	610	20	875	269	78	89	1,862	75	389	424	1,278	12	19	21	1,311
DP:	29-34, 76-77 and 87-92	32	151	1,877	128	0	24	0	2,212	54	12	774	235	11	67	1,152	7	316	323	112	11	2	16	141
AVG:	W	326	241	1,932	172	2	26	0	2,699	468	18	875	269	77	12	1,718	58	271	328	958	12	19	3	991
	AN	300	239	1,949	163	2	26	0	2,678	355	17	875	269	72	16	1,604	44	268	312	742	12	17	4	775
	BN	196	211	1,980	167	1	26	0	2,582	224	15	875	269	64	25	1,471	28	283	311	468	12	16	5	501
	D	139	192	1,977	153	1	26	0	2,489	192	15	864	265	43	44	1,423	24	312	336	401	12	10	10	434
	C	36	148	1,842	120	0	23	0	2,169	59	11	741	224	9	65	1,109	7	326	332	122	10	2	16	150
Rank	**Probability of Exceedence**																							
1	0.0%	357	256	2,154	187	3	28	0	2,848	610	20	875	269	78	89	1,862	75	389	424	1,278	12	19	21	1,311
2	1.3%	357	252	2,139	185	3	28	0	2,822	610	20	875	269	78	89	1,862	75	386	409	1,278	12	19	21	1,311
3	2.5%	357	252	2,087	183	3	28	0	2,820	610	20	875	269	78	89	1,862	75	383	408	1,278	12	19	21	1,311
4	3.8%	357	250	2,074	181	3	28	0	2,819	609	20	875	269	78	89	1,861	75	373	405	1,275	12	19	21	1,308
5	5.0%	357	249	2,069	181	2	28	0	2,814	608	20	875	269	78	89	1,860	75	373	395	1,272	12	19	21	1,306
6	6.3%	357	249	2,069	181	2	28	0	2,800	607	20	875	269	78	86	1,859	75	369	394	1,259	12	19	21	1,293
7	7.5%	357	248	2,068	180	2	28	0	2,798	601	20	875	269	78	86	1,854	75	368	387	1,240	12	19	21	1,273
8	8.8%	357	248	2,066	180	2	28	0	2,793	601	20	875	269	78	86	1,853	74	355	380	1,193	12	19	21	1,227
9	10.0%	357	248	2,063	179	2	28	0	2,779	594	20	875	269	78	86	1,846	74	352	363	1,143	12	19	21	1,176
10	11.3%	357	248	2,062	177	2	28	0	2,771	572	20	875	269	78	73	1,824	71	346	359	1,131	12	19	18	1,164
11	12.5%	355	247	2,058	176	2	28	0	2,768	531	20	875	269	78	67	1,783	66	345	355	1,112	12	19	16	1,146
12	13.8%	353	247	2,045	176	2	27	0	2,764	524	20	875	269	78	66	1,774	64	343	355	1,078	12	19	16	1,111
13	15.0%	353	246	2,030	175	2	27	0	2,764	506	20	875	269	78	66	1,756	62	333	355	1,056	12	19	16	1,090
14	16.3%	353	246	2,022	175	2	27	0	2,758	504	20	875	269	78	66	1,755	62	333	355	1,049	12	19	16	1,082
15	17.5%	349	246	2,019	174	2	27	0	2,752	501	20	875	269	78	66	1,753	61	328	355	1,016	12	19	16	1,050
16	18.8%	343	245	2,019	173	2	27	0	2,748	480	17	875	269	78	66	1,732	59	327	355	1,005	12	19	16	1,038
17	20.0%	343	245	2,018	173	2	27	0	2,728	480	17	875	269	78	66	1,730	59	327	355	1,000	12	19	16	1,034
18	21.3%	341	244	2,016	172	2	27	0	2,725	477	17	875	269	78	66	1,729	59	326	354	930	12	19	16	963
19	22.5%	339	244	2,014	172	2	27	0	2,722	435	17	875	269	78	66	1,684	55	325	354	846	12	19	16	879
20	23.8%	338	243	2,010	172	2	27	0	2,720	430	17	875	269	78	66	1,679	53	324	354	845	12	19	16	878
21	25.0%	338	243	2,007	171	2	27	0	2,714	378	17	875	269	78	61	1,627	46	317	352	791	12	19	16	824
22	26.3%	336	243	2,003	171	2	27	0	2,703	377	17	875	269	78	57	1,627	46	316	350	790	12	19	14	823
23	27.5%	336	243	2,001	170	2	27	0	2,695	377	17	875	269	78	46	1,627	46	292	350	787	12	19	11	821
24	28.8%	329	242	2,000	170	2	27	0	2,695	376	17	875	269	78	42	1,626	46	288	349	776	12	19	11	809
25	30.0%	328	242	1,998	170	2	27	0	2,675	356	17	875	269	78	27	1,605	45	288	349	744	12	19	9	777
26	31.3%	322	241	1,997	169	2	26	0	2,674	356	17	875	269	78	26	1,605	44	284	348	743	12	19	6	777
27	32.5%	319	241	1,995	169	2	26	0	2,673	356	16	875	269	78	25	1,602	44	280	347	729	12	19	6	762
28	33.8%	312	240	1,987	168	2	26	0	2,664	348	16	875	269	78	19	1,597	43	280	345	715	12	19	4	749
29	35.0%	295	240	1,984	168	2	26	0	2,660	338	16	875	269	78	18	1,586	42	280	344	707	12	19	2	740
30	36.3%	289	240	1,983	167	2	26	0	2,648	336	16	875	269	78	14	1,585	41	280	342	704	12	19	2	737
31	37.5%	281	240	1,981	167	2	26	0	2,648	331	16	875	269	78	14	1,579	41	280	341	692	12	19	2	725
32	38.8%	280	238	1,981	166	2	26	0	2,647	327	16	875	269	78	11	1,575	40	280	339	685	12	19	2	718
33	40.0%	267	238	1,980	166	2	26	0	2,641	323	15	875	269	78	11	1,565	40	280	338	667	12	19	2	701
34	41.3%	263	236	1,977	164	2	26	0	2,637	317	15	875	269	78	11	1,555	39	280	337	658	12	19	2	683
35	42.5%	260	233	1,976	164	2	26	0	2,635	308	15	875	269	78	11	1,549	38	280	336	641	12	19	2	675
36	43.8%	257	233	1,976	164	2	26	0	2,632	302	15	875	269	78	11	1,533	35	280	332	630	12	19	2	663
37	45.0%	252	231	1,975	163	2	26	0	2,631	286	15	875	269	78	11	1,514	34	280	328	598	12	19	2	632
38	46.3%	252	231	1,972	163	2	26	0	2,626	267	15	875	269	78	11	1,514	33	280	326	559	12	19	2	592
39	47.5%	243	229	1,971	163	2	26	0	2,621	267	15	875	269	78	11	1,508	33	280	326	558	12	19	2	591
40	48.8%	242	227	1,968	162	2	26	0	2,617	260	15	875	269	78	11	1,507	32	280	324	546	12	19	2	579
41	50.0%	241	224	1,967	162	2	26	0	2,614	260	15	875	269	78	11	1,504	32	278	318	545	12	19	2	578
42	51.3%	237	223	1,965	161	2	26	0	2,612	257	15	875	269	78	11	1,500	32	278	318	536	12	19	2	570
43	52.5%	234	223	1,962	160	1	26	0	2,610	253	15	875	269	78	11	1,496	32	276	317	528	12	19	2	562
44	53.8%	231	217	1,959	159	1	26	0	2,597	249	15	875	269	78	11	1,495	31	274	316	520	12	19	2	553
45	55.0%	227	214	1,956	159	1	26	0	2,583	248	15	875	269	78	11	1,490	30	274	316	519	12	19	2	552
46	56.3%	216	214	1,954	159	1	26	0	2,578	243	15	875	269	78	11	1,486	30	274	314	508	12	19	2	541
47	57.5%	212	212	1,952	158	1	26	0	2,558	239	15	875	269	78	11	1,476	29	274	313	501	12	19	2	535
48	58.8%	208	205	1,952	158	1	26	0	2,549	229	15	875	269	78	11	1,471	28	274	311	480	12	19	2	513
49	60.0%	203	205	1,949	158	1	26	0	2,548	224	15	875	269	78	11	1,459	27	274	310	469	12	19	2	503
50	61.3%	197	198	1,946	158	1	26	0	2,547	212	15	875	269	78	11	1,454	26	273	309	442	12	19	2	476
51	62.5%	187	197	1,931	158	1	26	0	2,545	207	15	875	269	75	11	1,454	26	272	309	433	12	19	2	466
52	63.8%	180	197	1,928	157	1	26	0	2,526	207	15	875	269	75	11	1,446	25	271	307	431	12	19	2	465
53	65.0%	173	196	1,925	157	1	26	0	2,526	198	15	875	269	71	11	1,438	24	270	306	416	12	19	2	449
54	66.3%	160	195	1,923	157	1	26	0	2,524	191	15	875	269	70	11	1,437	23	267	305	399	12	17	2	433
55	67.5%	153	194	1,917	157	1	26	0	2,520	190	15	875	269	64	11	1,437	23	263	305	398	12	15	2	432
56	68.8%	151	194	1,898	157	1	26	0	2,515	189	15	875	269	63	11	1,435	23	263	304	397	12	15	2	430
57	70.0%	128	192	1,897	156	1	26	0	2,511	188	15	875	269	61	11	1,431	23	263	304	394	12	12	2	427
58	71.3%	116	192	1,896	156	1	26	0	2,481	184	15	875	269	46	11	1,429	23	263	304	384	12	10	2	418
59	72.5%	111	191	1,892	154	1	26	0	2,477	182	15	875	269	43	11	1,422	23	262	302	381	12	10	2	414
60	73.8%	109	190	1,891	153	1	25	0	2,459	175	15	875	269	32	11	1,418	22	262	299	365	12	7	2	398
61	75.0%	108	189	1,880	153	1	25	0	2,452	171	15	875	269	28	11	1,415	21	262	295	359	12	5	2	392
62	76.3%	106	187	1,872	153	0	25	0	2,452	168	15	875	269	22	11	1,399	21	261	293	352	12	5	2	386
63	77.5%	100	187	1,862	153	0	25	0	2,438	152	15	875	269	16	11	1,390	19	261	293	318	12	3	2	351
64	78.8%	89	179	1,860	152	0	25	0	2,428	143	15	875	269	3	11	1,387	18	261	292	298	12	0	2	331
65	80.0%	85	175	1,843	152	0	25	0	2,403	140	14	875	269	3	11	1,354	18	261	291	292	12	0	2	325
66	81.3%	66	171	1,839	151	0	25	0	2,398	108	13	875	269	3	11	1,336	14	261	290	224	12	0	2	258
67	82.5%	59	168	1,829	148	0	25	0	2,354	99	13	875	269	3	11	1,327	12	260	289	208	12	0	2	233
68	83.8%	55	166	1,825	146	0	25	0	2,348	91	13	875	269	0	11	1,306	11	258	286	189	12	0	2	223
69	85.0%	48	164	1,818	144	0	25	0	2,328	82	12	875	269	0	11	1,296	10	258	285	172	12	0	2	205
70	86.3%	40	163	1,806	143	0	25	0	2,306	67	12	875	269	0	11	1,276	8	257	283	141	12	0	2	166
71	87.5%	37	163	1,803	142	0	25	0	2,284	64	12	875	269	0	11	1,242	8	256	283	134	12	0	2	163
72	88.8%	36	160	1,786	136	0	25	0	2,280	62	12	875	269	0	11	1,242	8	256	282	130	12	0	2	159
73	90.0%	34	155	1,783	123	0	21	0	2,279	52	12	674	202	0	11	1,242	7	256	281	110	9	0	2	143
74	91.3%	30	149	1,761	123	0	21	0	2,100	51	12	674	202	0	11	1,054	6	256	279	106	9	0	2	131
75	92.5%	22	147	1,758	121	0	21	0	2,091	37	11	674	202	0	11	1,021	5	255	277	78	9	0	2	103
76	93.8%	20	140	1,756	118	0	21	0	2,077	36	11	674	202	0	11	1,017	4	254	276	74	9	0	2	99
77	95.0%	15	135	1,743	117	0	21	0	2,069	25	11	674	202	0	11	1,004	3	252	275	52	9	0	2	77
78	96.3%	5	133	1,740	104	0	21	0	2,063	8	10	674	202	0	11	990	1	248	271	17	9	0	2	42
79	97.5%	0	132	1,716	101	0	21	0	2,055	0	10	674	202	0	11	988	0	248	268	0	9	0	2	33
80	98.8%	0	128	1,711	95	0	21	0	2,008	0	10	674	202	0	11	977	0	248	263	0	9	0	2	33
81	100.0%	0	122	1,621	83	0	21	0	1,884	0	10	674	202	0	11	960	0	239	246	0	9	0	2	33

Table WS-CVP-5m

			Alternative B							Alternative B						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,901	557	2,458	2,894	448	99	39	100%	79%	100%	100%	100%	100%	100%
1923	3	BN	1,067	490	1,557	2,882	438	99	38	64%	43%	89%	75%	100%	100%	100%
1924	5	C	141	486	628	2,480	315	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,232	492	1,724	2,746	434	0	137	59%	54%	84%	79%	100%	100%	100%
1926	4	D	312	528	841	2,755	433	0	137	13%	13%	63%	63%	100%	100%	100%
1927	1	W	1,570	526	2,096	2,851	439	88	50	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	840	465	1,305	2,851	435	99	38	45%	35%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	423	27	110	0%	0%	50%	50%	100%	100%	100%
1930	4	D	347	528	875	2,824	439	3	134	15%	15%	65%	65%	100%	100%	100%
1931	5	C	193	433	626	2,432	311	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	243	417	659	2,434	334	0	103	10%	10%	60%	60%	75%	77%	75%
1933	5	C	31	463	494	2,457	329	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	134	483	618	2,295	293	0	103	6%	6%	56%	56%	75%	77%	75%
1935	3	BN	202	414	616	2,765	450	0	137	10%	10%	60%	60%	100%	100%	100%
1936	3	BN	755	464	1,219	2,821	454	35	102	33%	33%	75%	75%	100%	100%	100%
1937	3	BN	669	478	1,146	2,831	468	95	43	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,828	461	99	38	100%	100%	100%	100%	100%	100%	100%
1939	4	D	792	585	1,377	3,029	425	54	84	37%	34%	75%	75%	100%	100%	100%
1940	2	AN	1,124	519	1,643	2,792	434	38	100	75%	44%	100%	75%	100%	100%	100%
1941	1	W	2,038	547	2,585	2,678	456	99	39	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,934	538	2,471	2,735	451	99	38	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,816	543	2,359	2,852	456	99	38	78%	78%	100%	100%	100%	100%	100%
1944	4	D	577	480	1,057	2,842	434	99	39	25%	25%	75%	75%	100%	100%	100%
1945	3	BN	1,357	500	1,857	2,798	451	97	40	59%	59%	84%	84%	100%	100%	100%
1946	3	BN	1,409	524	1,933	2,944	451	99	39	81%	57%	100%	82%	100%	100%	100%
1947	4	D	964	468	1,432	2,878	440	79	58	42%	42%	75%	75%	100%	100%	100%
1948	3	BN	711	495	1,206	2,618	439	98	39	73%	25%	98%	75%	100%	100%	100%
1949	4	D	1,215	505	1,720	2,870	438	99	38	64%	52%	89%	77%	100%	100%	100%
1950	3	BN	694	471	1,166	2,897	453	98	39	30%	30%	75%	75%	100%	100%	100%
1951	2	AN	1,557	535	2,092	2,862	445	99	38	96%	62%	100%	87%	100%	100%	100%
1952	1	W	2,312	546	2,857	2,837	460	99	39	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,090	501	1,591	2,839	449	99	39	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,154	517	1,671	2,773	447	99	39	100%	41%	100%	75%	100%	100%	100%
1955	4	D	991	479	1,470	2,893	440	99	38	43%	43%	75%	75%	100%	100%	100%
1956	1	W	1,968	544	2,512	2,872	455	99	38	100%	81%	100%	100%	100%	100%	100%
1957	2	AN	861	515	1,376	2,854	442	98	39	71%	31%	96%	75%	100%	100%	100%
1958	1	W	2,271	543	2,814	2,718	462	99	38	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	778	605	1,383	2,962	433	99	38	66%	28%	91%	75%	100%	100%	100%
1960	4	D	701	516	1,217	2,858	437	98	39	31%	31%	75%	75%	100%	100%	100%
1961	4	D	973	476	1,448	2,859	434	3	134	48%	41%	75%	75%	100%	100%	100%
1962	3	BN	1,067	621	1,688	2,889	439	19	118	68%	42%	93%	75%	100%	100%	100%
1963	1	W	1,393	511	1,904	2,714	444	98	39	100%	54%	100%	79%	100%	100%	100%
1964	4	D	651	535	1,186	2,944	439	98	39	28%	28%	75%	75%	100%	100%	100%
1965	1	W	1,596	531	2,127	2,827	448	99	39	76%	76%	100%	100%	100%	100%	100%
1966	3	BN	1,092	518	1,609	2,943	441	99	38	90%	39%	100%	75%	100%	100%	100%
1967	1	W	2,297	540	2,837	2,693	453	99	38	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	899	597	1,496	2,827	450	98	39	66%	34%	91%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	462	98	39	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,451	511	1,962	2,890	439	99	38	67%	62%	92%	87%	100%	100%	100%
1971	1	W	932	509	1,441	2,941	444	98	39	89%	31%	100%	75%	100%	100%	100%
1972	3	BN	967	481	1,448	2,949	447	98	39	52%	39%	77%	75%	100%	100%	100%
1973	2	AN	1,439	530	1,969	2,846	452	98	39	100%	55%	100%	80%	100%	100%	100%
1974	1	W	2,019	540	2,559	2,800	461	99	38	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,472	513	1,984	2,875	454	99	38	100%	58%	100%	83%	100%	100%	100%
1976	5	C	236	513	749	3,014	438	100	38	10%	10%	60%	60%	100%	100%	100%
1977	5	C	94	465	560	2,429	306	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,263	549	2,812	2,805	444	96	41	100%	100%	100%	100%	100%	100%	100%
1979	3	BN	1,149	473	1,622	2,847	454	98	39	50%	50%	75%	75%	100%	100%	100%
1980	2	AN	1,918	555	2,473	2,842	458	99	38	83%	83%	100%	100%	100%	100%	100%
1981	4	D	984	631	1,614	2,803	440	98	39	74%	37%	99%	75%	100%	100%	100%
1982	1	W	2,153	552	2,704	2,704	462	98	39	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,699	466	98	39	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,536	530	2,067	2,938	452	99	39	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,115	518	1,633	2,873	443	99	38	72%	44%	97%	75%	100%	100%	100%
1986	1	W	1,261	466	1,728	2,856	457	99	39	55%	55%	80%	80%	100%	100%	100%
1987	4	D	535	576	1,110	2,905	424	57	80	24%	24%	74%	74%	100%	100%	100%
1988	5	C	0	458	458	2,885	417	3	134	0%	0%	50%	50%	100%	100%	100%
1989	4	D	412	443	855	2,855	438	0	137	18%	18%	68%	68%	100%	100%	100%
1990	5	C	0	462	462	2,894	427	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	519	775	2,390	334	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	378	473	851	2,385	328	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,360	507	1,867	2,767	449	81	56	60%	60%	85%	85%	100%	100%	100%
1994	5	C	1,219	596	1,814	2,413	332	0	103	57%	53%	82%	78%	75%	77%	75%
1995	1	W	2,189	540	2,729	2,771	457	91	47	100%	95%	100%	100%	100%	100%	100%
1996	1	W	1,671	531	2,202	2,736	443	99	38	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,750	531	2,280	2,933	445	76	61	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,118	549	2,667	2,661	464	98	39	100%	99%	100%	100%	100%	100%	100%
1999	1	W	1,277	487	1,764	2,850	445	99	38	100%	47%	100%	75%	100%	100%	100%
2000	2	AN	1,425	509	1,935	2,771	434	99	38	100%	56%	100%	81%	100%	100%	100%
2001	4	D	716	593	1,308	2,834	429	99	38	31%	31%	75%	75%	100%	100%	100%
2002	4	D	855	578	1,433	2,937	437	3	134	68%	31%	93%	75%	100%	100%	100%

Table WS-CVP-5m

		Alternative B							Alternative B						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,136	516	1,652	2,792	431	71	62	61%	48%	85%	79%	97%	97%	97%
MIN:		0	414	458	2,295	293	0	38	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	631	2,868	3,029	468	100	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	204	479	683	2,651	374	14	107	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,810	530	2,339	2,807	453	97	40	94%	77%	99%	93%	100%	100%	100%
	AN	1,440	523	1,964	2,823	444	91	46	84%	59%	96%	85%	100%	100%	100%
	BN	915	509	1,425	2,855	448	81	56	55%	37%	85%	75%	100%	100%	100%
	D	756	519	1,276	2,841	430	55	81	39%	32%	77%	73%	99%	99%	99%
	C	224	485	709	2,583	354	11	104	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	631	2,868	3,029	468	100	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	621	2,860	3,014	466	99	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,312	605	2,857	2,962	464	99	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	597	2,857	2,949	462	99	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,297	596	2,837	2,944	462	99	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,271	593	2,814	2,944	462	99	134	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,263	585	2,812	2,943	461	99	134	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,189	578	2,729	2,941	461	99	134	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,153	576	2,704	2,938	460	99	134	100%	99%	100%	100%	100%	100%	100%
10	11.3%	2,118	557	2,667	2,937	458	99	118	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,038	556	2,585	2,933	457	99	110	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,019	555	2,559	2,920	457	99	103	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,968	552	2,512	2,905	456	99	103	100%	83%	100%	100%	100%	100%	100%
14	16.3%	1,934	549	2,473	2,897	456	99	103	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,918	549	2,471	2,894	455	99	103	100%	81%	100%	100%	100%	100%	100%
16	18.8%	1,901	548	2,458	2,894	454	99	103	100%	79%	100%	100%	100%	100%	100%
17	20.0%	1,816	547	2,359	2,893	454	99	103	100%	79%	100%	100%	100%	100%	100%
18	21.3%	1,750	546	2,280	2,890	454	99	103	100%	78%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,202	2,889	453	99	103	100%	76%	100%	100%	100%	100%	100%
20	23.8%	1,596	543	2,127	2,885	453	99	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,570	543	2,096	2,882	452	99	102	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,557	540	2,092	2,878	452	99	100	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,536	540	2,067	2,875	451	99	84	100%	62%	100%	87%	100%	100%	100%
24	28.8%	1,472	540	1,984	2,875	451	99	80	100%	62%	100%	87%	100%	100%	100%
25	30.0%	1,451	540	1,969	2,873	451	99	61	96%	60%	100%	85%	100%	100%	100%
26	31.3%	1,439	538	1,962	2,872	450	99	58	94%	59%	100%	84%	100%	100%	100%
27	32.5%	1,425	535	1,935	2,870	450	99	56	90%	58%	100%	83%	100%	100%	100%
28	33.8%	1,409	535	1,933	2,862	449	99	50	89%	57%	100%	82%	100%	100%	100%
29	35.0%	1,393	531	1,904	2,859	449	99	47	83%	56%	100%	81%	100%	100%	100%
30	36.3%	1,360	531	1,867	2,858	448	99	43	81%	55%	100%	80%	100%	100%	100%
31	37.5%	1,357	531	1,857	2,856	448	99	41	79%	55%	100%	80%	100%	100%	100%
32	38.8%	1,277	530	1,814	2,855	447	99	40	78%	54%	100%	79%	100%	100%	100%
33	40.0%	1,261	530	1,764	2,854	447	99	39	76%	54%	100%	79%	100%	100%	100%
34	41.3%	1,232	528	1,728	2,852	445	98	39	75%	53%	100%	78%	100%	100%	100%
35	42.5%	1,219	528	1,724	2,851	445	98	39	74%	52%	99%	77%	100%	100%	100%
36	43.8%	1,215	526	1,720	2,851	445	98	39	73%	50%	98%	75%	100%	100%	100%
37	45.0%	1,154	524	1,688	2,850	444	98	39	72%	47%	97%	75%	100%	100%	100%
38	46.3%	1,149	519	1,671	2,847	444	98	39	71%	44%	96%	75%	100%	100%	100%
39	47.5%	1,124	519	1,643	2,846	444	98	39	68%	44%	93%	75%	100%	100%	100%
40	48.8%	1,115	518	1,633	2,842	443	98	39	68%	43%	93%	75%	100%	100%	100%
41	50.0%	1,092	518	1,622	2,842	443	98	39	67%	43%	92%	75%	100%	100%	100%
42	51.3%	1,090	517	1,614	2,839	442	98	39	66%	42%	91%	75%	100%	100%	100%
43	52.5%	1,067	516	1,609	2,837	441	98	39	66%	42%	91%	75%	100%	100%	100%
44	53.8%	1,067	515	1,591	2,834	440	98	39	64%	41%	89%	75%	100%	100%	100%
45	55.0%	991	513	1,557	2,831	440	98	39	64%	41%	89%	75%	100%	100%	100%
46	56.3%	984	513	1,496	2,828	440	98	39	60%	39%	85%	75%	100%	100%	100%
47	57.5%	973	511	1,470	2,827	439	98	39	59%	39%	84%	75%	100%	100%	100%
48	58.8%	967	511	1,448	2,827	439	98	39	59%	38%	84%	75%	100%	100%	100%
49	60.0%	964	509	1,448	2,824	439	98	39	57%	37%	82%	75%	100%	100%	100%
50	61.3%	932	509	1,441	2,821	439	97	39	55%	35%	80%	75%	100%	100%	100%
51	62.5%	899	507	1,433	2,805	439	96	39	52%	34%	77%	75%	100%	100%	100%
52	63.8%	861	505	1,432	2,803	439	95	39	50%	34%	75%	75%	100%	100%	100%
53	65.0%	855	501	1,383	2,800	438	91	39	48%	33%	75%	75%	100%	100%	100%
54	66.3%	840	500	1,377	2,798	438	88	39	45%	31%	75%	75%	100%	100%	100%
55	67.5%	792	495	1,376	2,792	438	81	39	43%	31%	75%	75%	100%	100%	100%
56	68.8%	778	492	1,308	2,773	438	79	39	42%	31%	75%	75%	100%	100%	100%
57	70.0%	755	490	1,305	2,771	437	76	39	37%	31%	75%	75%	100%	100%	100%
58	71.3%	716	487	1,219	2,771	437	57	39	33%	31%	75%	75%	100%	100%	100%
59	72.5%	711	486	1,217	2,767	435	54	38	31%	30%	75%	75%	100%	100%	100%
60	73.8%	701	483	1,206	2,765	434	38	38	31%	30%	75%	75%	100%	100%	100%
61	75.0%	694	481	1,186	2,755	434	35	38	30%	28%	75%	75%	100%	100%	100%
62	76.3%	669	480	1,166	2,746	434	27	38	30%	28%	75%	75%	100%	100%	100%
63	77.5%	651	479	1,146	2,736	434	19	38	28%	25%	75%	75%	100%	100%	100%
64	78.8%	577	478	1,110	2,735	434	3	38	25%	25%	75%	75%	100%	100%	100%
65	80.0%	535	476	1,057	2,718	433	3	38	24%	24%	74%	74%	100%	100%	100%
66	81.3%	412	473	875	2,714	433	3	38	18%	18%	68%	68%	100%	100%	100%
67	82.5%	378	473	855	2,704	429	3	38	16%	16%	66%	66%	100%	100%	100%
68	83.8%	347	471	851	2,699	427	0	38	15%	15%	65%	65%	100%	100%	100%
69	85.0%	312	468	841	2,693	425	0	38	13%	13%	63%	63%	100%	100%	100%
70	86.3%	256	467	775	2,678	424	0	38	11%	11%	61%	61%	100%	100%	100%
71	87.5%	243	466	749	2,661	423	0	38	10%	10%	60%	60%	100%	100%	100%
72	88.8%	236	465	659	2,618	417	0	38	10%	10%	60%	60%	100%	100%	100%
73	90.0%	202	465	628	2,480	334	0	38	10%	10%	60%	60%	75%	77%	75%
74	91.3%	193	464	626	2,457	334	0	38	8%	8%	58%	58%	75%	77%	75%
75	92.5%	141	463	618	2,434	332	0	38	6%	6%	56%	56%	75%	77%	75%
76	93.8%	134	462	616	2,432	329	0	38	6%	6%	56%	56%	75%	77%	75%
77	95.0%	94	458	560	2,429	328	0	38	4%	4%	54%	54%	75%	77%	75%
78	96.3%	31	443	494	2,413	315	0	38	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	433	467	2,390	311	0	38	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	417	462	2,385	306	0	38	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	414	458	2,295	293	0	38	0%	0%	50%	50%	75%	77%	75%

Table WS-CVP-5n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,821	71	285	356	1,187	12	0	21	1,220
1979	3	BN	173	196	1,962	171	0	28	0	2,530	290	15	875	269	0	89	1,537	36	261	297	605	12	0	21	639
1980	2	AN	270	243	1,970	166	0	28	0	2,677	460	20	875	269	0	89	1,713	57	288	344	965	12	0	21	998
1981	4	D	248	241	1,916	160	0	28	0	2,593	244	15	875	269	0	89	1,492	30	368	398	512	12	0	21	545
1982	1	W	328	251	1,822	188	0	28	0	2,617	609	20	875	269	0	89	1,861	75	280	355	1,148	12	0	21	1,182
1983	1	W	338	256	1,820	188	0	28	0	2,630	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1984	1	W	316	253	2,053	164	0	28	0	2,814	380	17	875	269	0	89	1,629	47	264	310	716	12	0	21	749
1985	4	D	238	220	1,997	162	0	28	0	2,644	280	15	875	269	0	89	1,527	34	274	308	587	12	0	21	620
1986	1	W	212	208	1,981	169	0	28	0	2,598	358	17	875	269	0	89	1,607	44	258	303	749	12	0	21	782
1987	4	D	76	181	2,026	136	0	28	0	2,446	124	14	875	269	0	89	1,370	16	366	382	258	12	0	21	291
1988	5	C	0	128	2,011	130	0	28	0	2,297	0	10	875	269	0	89	1,242	0	316	316	0	12	0	21	33
1989	4	D	87	177	1,979	157	0	28	0	2,428	142	15	875	269	0	89	1,388	18	270	288	294	12	0	21	327
1990	5	C	0	135	2,014	137	0	28	0	2,313	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	167	1,721	115	0	21	0	2,064	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	57	157	1,716	107	0	21	0	2,058	97	11	674	202	0	66	1,050	12	291	303	176	9	0	16	201
1993	2	AN	228	229	1,891	160	0	28	0	2,537	316	16	875	269	0	89	1,564	39	259	298	660	12	0	21	693
1994	5	C	212	201	1,734	118	0	21	0	2,285	340	14	674	202	0	66	1,296	36	395	431	700	9	0	16	725
1995	1	W	353	238	1,890	176	0	28	0	2,685	587	20	875	269	0	89	1,839	73	280	352	1,226	12	0	21	1,260
1996	1	W	343	241	1,853	165	0	28	0	2,629	437	17	875	269	0	89	1,686	54	275	328	878	12	0	21	911
1997	1	W	257	225	2,052	167	0	28	0	2,730	439	19	875	269	0	89	1,691	54	276	330	921	12	0	21	954
1998	1	W	312	257	1,780	183	0	28	0	2,560	608	20	875	269	0	89	1,860	75	280	355	1,144	12	0	21	1,178
1999	1	W	357	224	1,969	152	0	28	0	2,731	329	16	875	269	0	89	1,577	41	253	294	689	12	0	21	722
2000	2	AN	339	231	1,871	153	0	28	0	2,622	332	16	875	269	0	89	1,580	41	261	302	693	12	0	21	727
2001	4	D	93	192	1,954	140	0	28	0	2,407	159	15	875	269	0	89	1,406	20	386	405	332	12	0	21	365
2002	4	D	248	239	2,064	157	0	28	0	2,736	214	15	875	269	0	89	1,461	26	327	353	448	12	0	21	481

Table WS-CVP-5n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	**Probability of Exceedence**																							
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	722
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	688	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,622	327	15	875	269	0	89	1,564	39	280	335	660	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542	12	0	21	576
43	52.5%	226	219	1,956	159	0	28	0	2,593	253	15	875	269	0	89	1,498	31	277	321	529	12	0	21	563
44	53.8%	224	217	1,954	159	0	28	0	2,585	251	15	875	269	0	89	1,498	31	276	318	526	12	0	21	559
45	55.0%	220	212	1,954	158	0	28	0	2,575	251	15	875	269	0	89	1,496	31	275	317	525	12	0	21	558
46	56.3%	214	208	1,949	158	0	28	0	2,574	251	15	875	269	0	89	1,492	30	274	316	513	12	0	21	546
47	57.5%	212	205	1,947	157	0	28	0	2,560	244	15	875	269	0	89	1,479	29	274	310	512	12	0	21	545
48	58.8%	212	205	1,946	157	0	28	0	2,540	232	15	875	269	0	89	1,479	29	274	310	485	12	0	21	518
49	60.0%	203	202	1,943	157	0	28	0	2,537	232	15	875	269	0	89	1,464	27	274	308	484	12	0	21	518
50	61.3%	186	201	1,942	157	0	28	0	2,532	217	15	875	269	0	89	1,464	27	272	304	455	12	0	21	488
51	62.5%	180	196	1,931	157	0	28	0	2,530	217	15	875	269	0	89	1,461	27	270	303	453	12	0	21	487
52	63.8%	174	196	1,921	156	0	28	0	2,508	214	15	875	269	0	89	1,459	27	268	303	448	12	0	21	481
53	65.0%	173	196	1,918	156	0	28	0	2,501	212	15	875	269	0	89	1,448	26	267	303	441	12	0	21	475
54	66.3%	172	195	1,916	156	0	28	0	2,498	201	15	875	269	0	89	1,445	25	264	303	420	12	0	21	453
55	67.5%	152	195	1,906	155	0	28	0	2,495	198	15	875	269	0	89	1,442	24	263	302	414	12	0	21	447
56	68.8%	138	194	1,897	154	0	28	0	2,486	195	15	875	269	0	89	1,437	24	262	300	407	12	0	21	441
57	70.0%	111	194	1,891	153	0	28	0	2,482	190	15	875	269	0	89	1,425	23	261	299	397	12	0	21	431
58	71.3%	108	192	1,891	153	0	28	0	2,482	178	15	875	269	0	89	1,421	22	261	299	371	12	0	21	404
59	72.5%	104	190	1,890	153	0	28	0	2,480	174	15	875	269	0	89	1,408	22	261	298	363	12	0	21	396
60	73.8%	95	189	1,880	152	0	28	0	2,456	161	15	875	269	0	89	1,406	20	261	297	336	12	0	21	369
61	75.0%	93	187	1,871	151	0	28	0	2,446	159	14	875	269	0	89	1,401	20	261	297	332	12	0	21	365
62	76.3%	90	182	1,870	150	0	28	0	2,443	154	14	875	269	0	89	1,398	19	261	297	323	12	0	21	357
63	77.5%	88	181	1,854	150	0	28	0	2,434	150	14	875	269	0	89	1,388	19	261	294	315	12	0	21	348
64	78.8%	87	179	1,853	150	0	28	0	2,428	142	14	875	269	0	89	1,371	18	261	293	294	12	0	21	327
65	80.0%	76	179	1,837	150	0	28	0	2,407	125	14	875	269	0	89	1,370	16	260	293	261	12	0	21	295
66	81.3%	73	179	1,829	146	0	28	0	2,397	124	13	875	269	0	89	1,358	15	259	292	258	12	0	21	291
67	82.5%	73	177	1,822	141	0	28	0	2,337	112	13	875	269	0	89	1,334	15	259	292	238	12	0	21	271
68	83.8%	57	173	1,820	140	0	28	0	2,336	97	13	875	269	0	89	1,314	12	259	291	186	12	0	21	220
69	85.0%	52	167	1,817	137	0	28	0	2,322	89	12	875	269	0	89	1,296	11	258	288	176	12	0	21	201
70	86.3%	43	159	1,802	136	0	28	0	2,313	74	12	875	269	0	89	1,284	9	258	285	154	12	0	21	179
71	87.5%	42	157	1,783	134	0	28	0	2,297	70	12	875	269	0	89	1,242	9	257	285	145	12	0	21	179
72	88.8%	40	156	1,780	130	0	28	0	2,285	67	12	875	269	0	89	1,242	8	256	283	141	12	0	21	166
73	90.0%	29	152	1,774	123	0	21	0	2,278	49	12	674	202	0	66	1,242	6	256	281	103	9	0	16	128
74	91.3%	27	149	1,772	118	0	21	0	2,093	47	11	674	202	0	66	1,050	6	256	280	98	9	0	16	123
75	92.5%	25	148	1,753	115	0	21	0	2,075	43	11	674	202	0	66	1,028	5	256	280	89	9	0	16	118
76	93.8%	24	144	1,734	112	0	21	0	2,069	40	11	674	202	0	66	1,021	5	255	279	85	9	0	16	114
77	95.0%	14	135	1,722	108	0	21	0	2,064	25	11	674	202	0	66	1,002	3	253	273	52	9	0	16	77
78	96.3%	5	133	1,721	107	0	21	0	2,058	8	10	674	202	0	66	1,000	1	250	273	17	9	0	16	42
79	97.5%	0	132	1,716	94	0	21	0	2,052	0	10	674	202	0	66	996	0	248	267	0	9	0	16	33
80	98.8%	0	128	1,679	93	0	21	0	1,959	0	10	674	202	0	66	977	0	248	266	0	9	0	16	33
81	100.0%	0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33

Table WS-CVP-5o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-5o

		No Action Alternative							No Action Alternative						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
AVG:	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	467	783	2,677	417	0	137	12%	12%	62%	62%	100%	100%	100%
71	87.5%	267	467	779	2,654	415	0	137	12%	12%	62%	62%	100%	100%	100%
72	88.8%	256	465	702	2,597	411	0	137	11%	11%	61%	61%	100%	100%	100%
73	90.0%	187	465	677	2,456	334	0	103	8%	8%	58%	58%	75%	77%	75%
74	91.3%	177	464	655	2,448	329	0	103	8%	8%	58%	58%	75%	77%	75%
75	92.5%	162	462	652	2,445	326	0	103	7%	7%	57%	57%	75%	77%	75%
76	93.8%	154	462	619	2,427	323	0	103	7%	7%	57%	57%	75%	77%	75%
77	95.0%	94	460	566	2,408	319	0	103	4%	4%	54%	54%	75%	77%	75%
78	96.3%	31	454	498	2,395	318	0	103	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	444	467	2,390	305	0	103	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	432	462	2,353	304	0	103	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%

Alternative C Compared to No Action Alternative

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Table WS-SWP-7a

Alternative C
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	66%	66%	96%
Water Year Types[2]			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	66%	66%	100%
Dry (22%)	60%	60%	100%
Critical (15%)	40%	40%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,634	92	50
Water Year Types[2]			
Wet (32%)	3,188	135	99
Above Normal (15%)	2,722	46	58
Below Normal (17%)	2,627	117	32
Dry (22%)	2,448	72	10
Critical (15%)	1,643	39	16

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	706	2,070	2,776
Water Year Types[2]			
Wet (32%)	900	2,522	3,422
Above Normal (15%)	732	2,094	2,826
Below Normal (17%)	689	2,087	2,776
Dry (22%)	617	1,914	2,531
Critical (15%)	413	1,286	1,698

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	948
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	759

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	24	4	209	46	693	89	281	9	1,421
Water Year Types[2]									
Wet (32%)	30	5	257	57	884	109	339	11	1,729
Above Normal (15%)	25	4	218	48	719	92	277	9	1,433
Below Normal (17%)	24	4	211	46	677	88	285	8	1,432
Dry (22%)	22	3	187	42	606	80	265	8	1,318
Critical (15%)	14	2	127	28	405	53	178	5	885

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7b

No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	62%	62%	96%
Water Year Types[2]			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,496	91	51
Water Year Types[2]			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	670	1,969	2,639
Water Year Types[2]			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region M&I Service (Jan-Dec, TAF)	San Joaquin River Hydrologic Region Ag Service (Jan-Dec, TAF)	San Francisco Bay Hydrologic Region M&I Service (Jan-Dec, TAF)	Central Coast Hydrologic Region M&I Service (Jan-Dec, TAF)	Tulare Lake Hydrologic Region Ag Service (Jan-Dec, TAF)	Tulare Lake Hydrologic Region M&I Service (Jan-Dec, TAF)	South Lahonton Hydrologic Region M&I Service (Jan-Dec, TAF)	South Coast Hydrologic Region Ag Service (Jan-Dec, TAF)	South Coast Hydrologic Region M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	23	4	199	44	658	84	267	8	1,353
Water Year Types[2]									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7c

Difference: Alternative C minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	3%	3%	0%
Water Year Types[2]			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	6%	6%	0%
Critical (15%)	10%	10%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	138	0	-1
Water Year Types[2]			
Wet (32%)	56	10	18
Above Normal (15%)	-8	-20	14
Below Normal (17%)	33	-3	-13
Dry (22%)	246	10	-21
Critical (15%)	410	-13	-14

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	36	101	137
Water Year Types[2]			
Wet (32%)	27	57	84
Above Normal (15%)	5	-19	-15
Below Normal (17%)	8	9	17
Dry (22%)	49	187	235
Critical (15%)	95	288	383

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	-2
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	-14

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	2	0	10	2	35	5	14	0	68
Water Year Types[2]									
Wet (32%)	1	0	6	1	27	2	8	0	40
Above Normal (15%)	0	0	0	0	5	0	-5	0	-14
Below Normal (17%)	1	0	4	1	8	2	1	0	0
Dry (22%)	2	0	15	4	48	8	29	1	128
Critical (15%)	4	1	30	7	93	13	40	1	194

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7d

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	62%	670
Alternative C	66%	706
Difference	3%	36
Percent Difference[3]		5.3%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	80%	873
Alternative C	81%	900
Difference	1%	27
Percent Difference		3.1%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative C	69%	732
Difference	0%	5
Percent Difference		0.7%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative C	66%	689
Difference	1%	8
Percent Difference		1.2%
Dry (22%)		
No Action Alternative	54%	568
Alternative C	60%	617
Difference	6%	49
Percent Difference		8.6%
Critical (15%)		
No Action Alternative	30%	318
Alternative C	40%	413
Difference	10%	95
Percent Difference		29.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

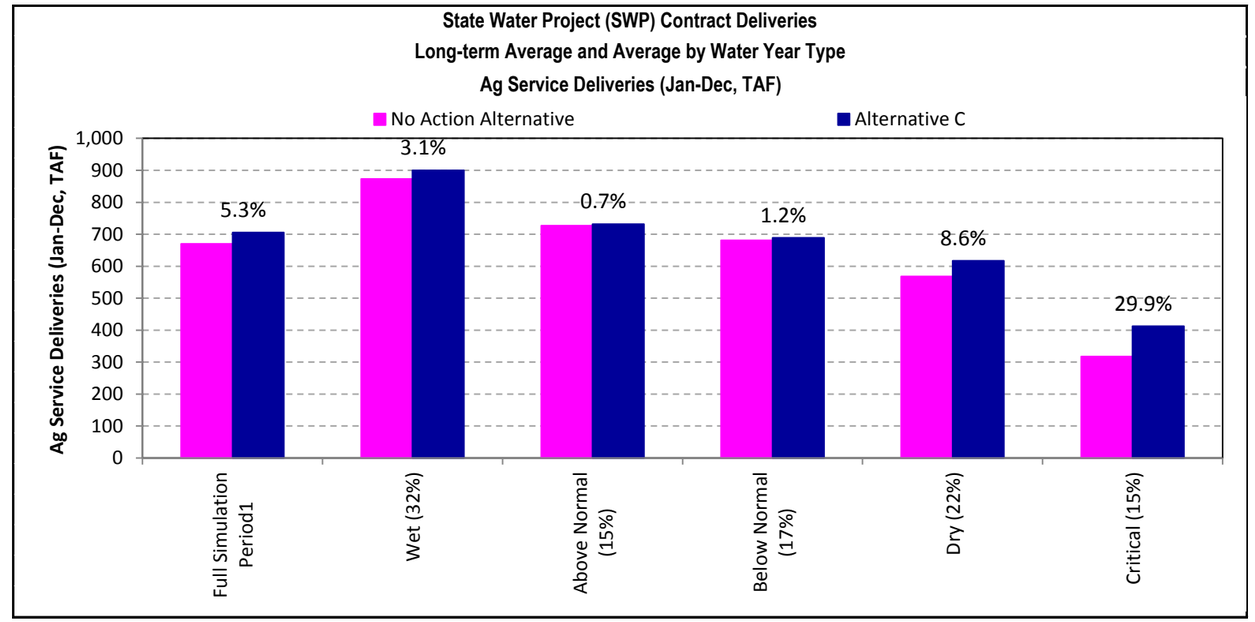

Figure WS-CVP-7e

State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

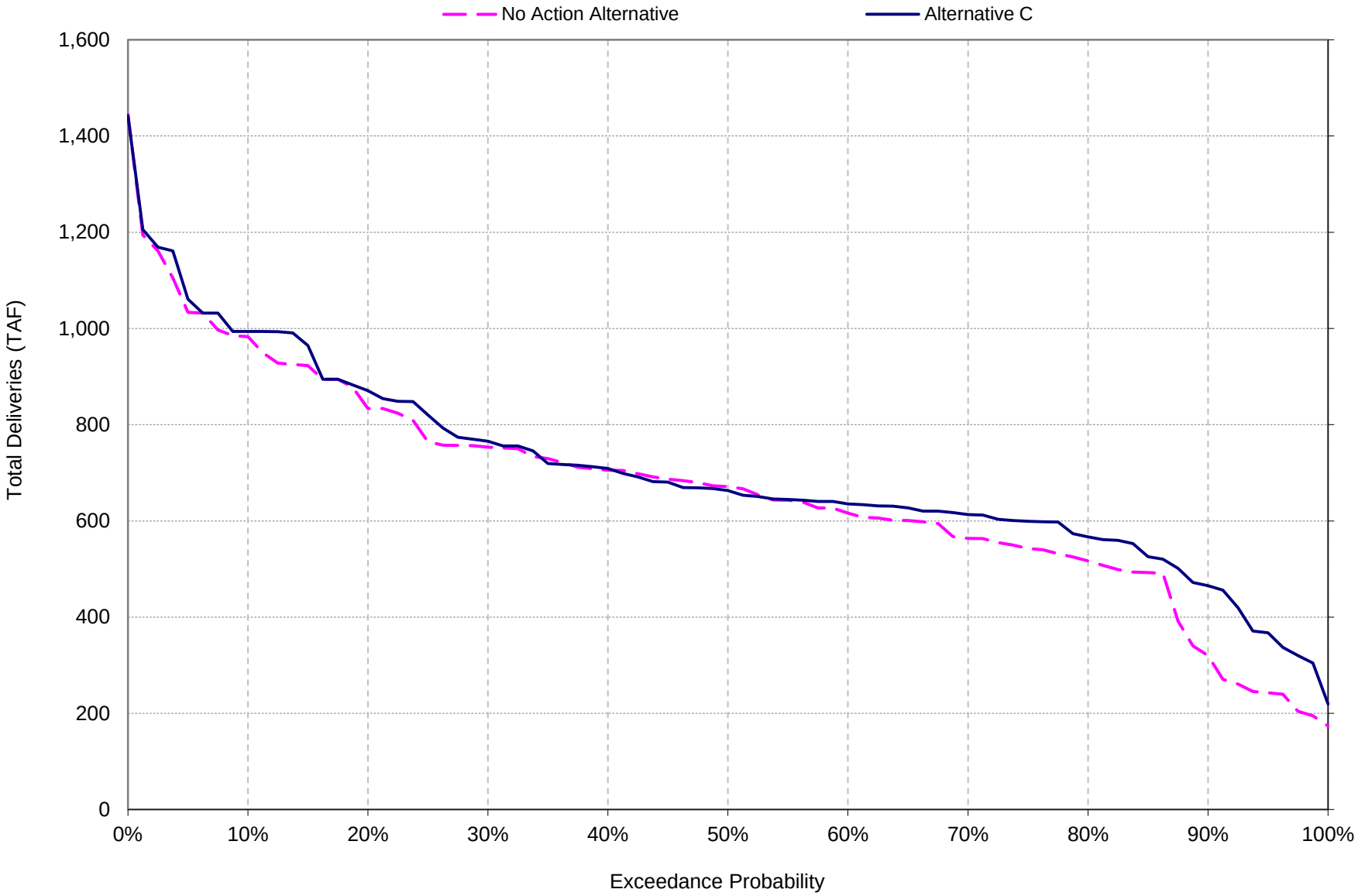

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Table WS-SWP-7f

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
	Long-term	
Full Simulation Period[1]		
No Action Alternative	62%	1,969
Alternative C	66%	2,070
Difference	3%	101
Percent Difference[3]		5.1%
	Water Year Types[2]	
Wet (32%)		
No Action Alternative	80%	2,466
Alternative C	81%	2,522
Difference	1%	57
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative C	69%	2,094
Difference	0%	-19
Percent Difference		-0.9%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative C	66%	2,087
Difference	1%	9
Percent Difference		0.4%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative C	60%	1,914
Difference	6%	187
Percent Difference		10.8%
Critical (15%)		
No Action Alternative	30%	998
Alternative C	40%	1,286
Difference	10%	288
Percent Difference		28.8%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

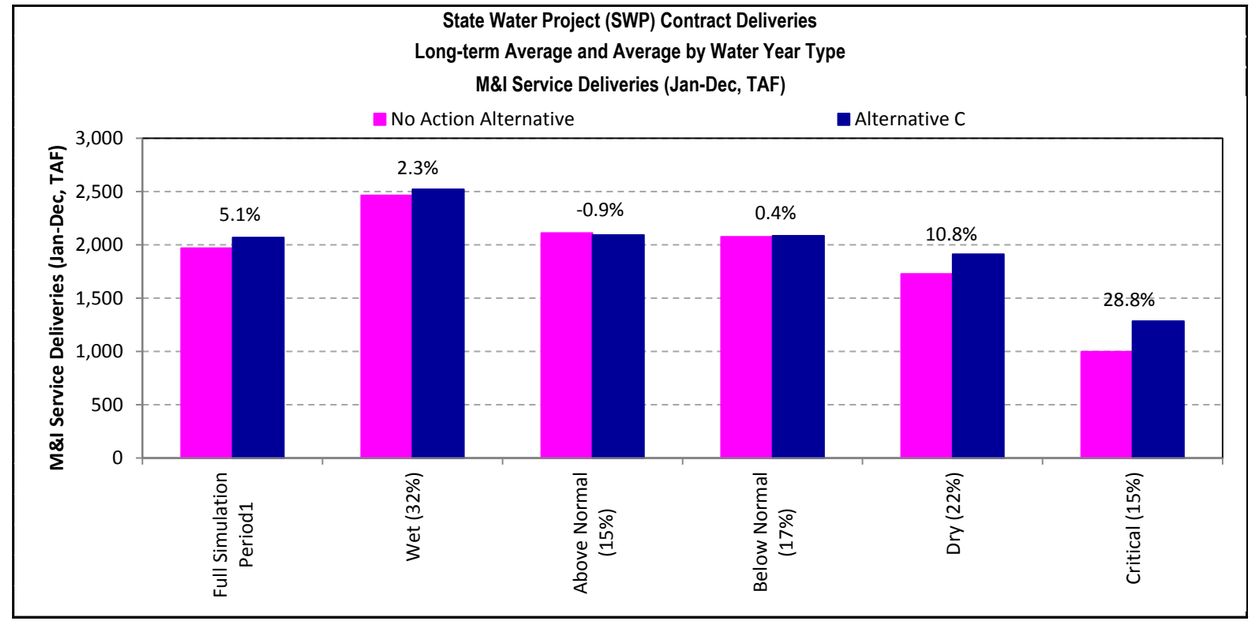

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Figure WS-CVP-7g

State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

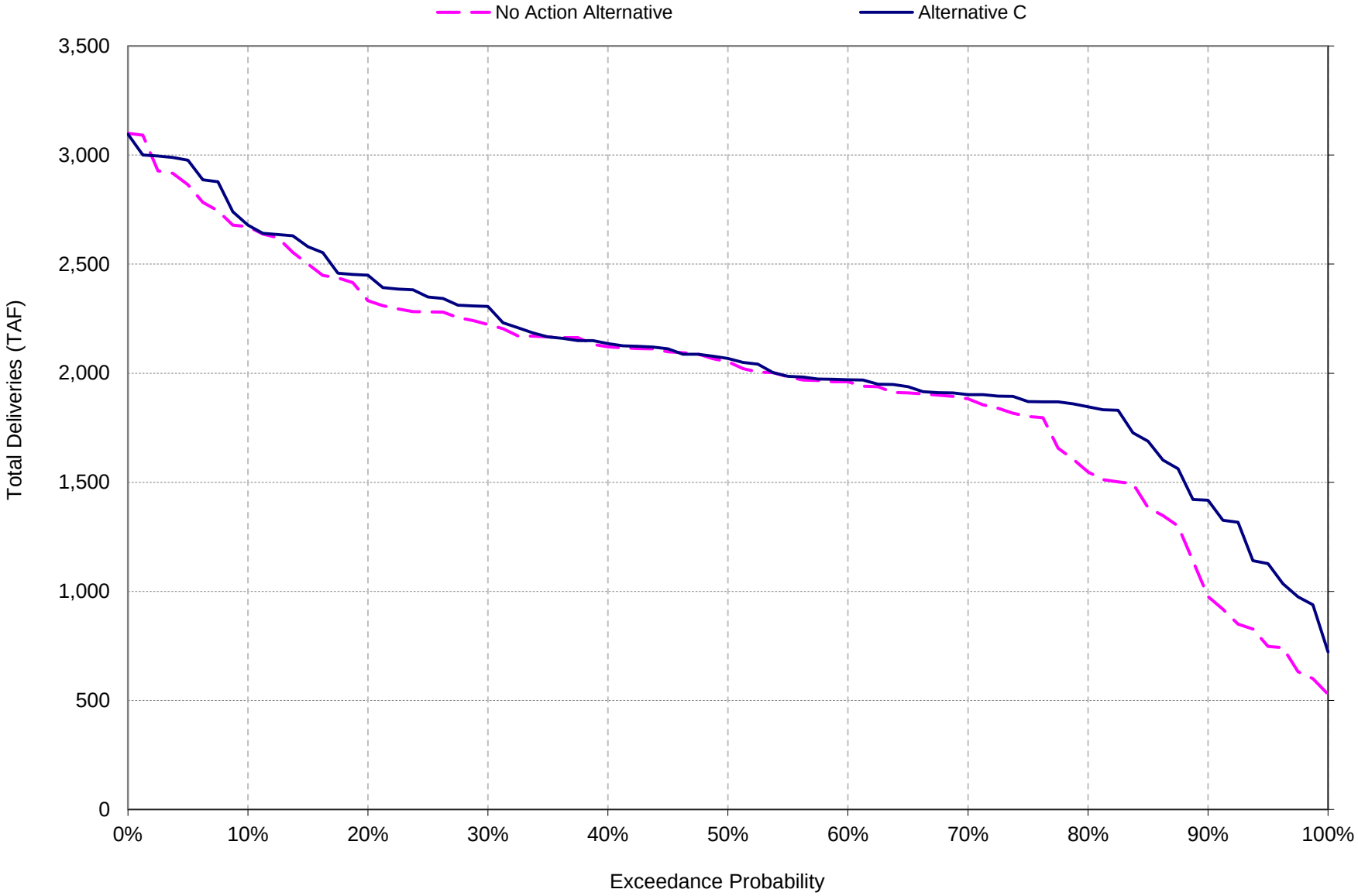

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Table WS-SWP-7h

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	96%	950
Alternative C	96%	948
Difference	0%	-2
Percent Difference[3]		-0.2%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	976
Alternative C	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative C	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative C	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative C	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative C	75%	759
Difference	0%	-14
Percent Difference		-1.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

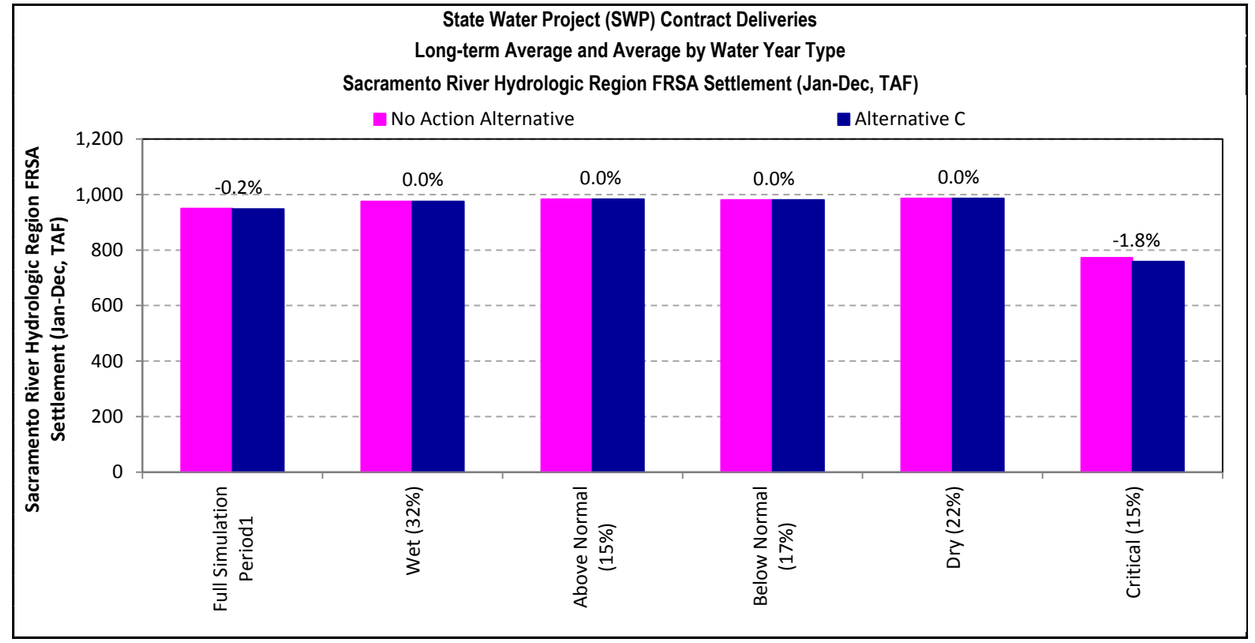

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Figure WS-CVP-7i

State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart

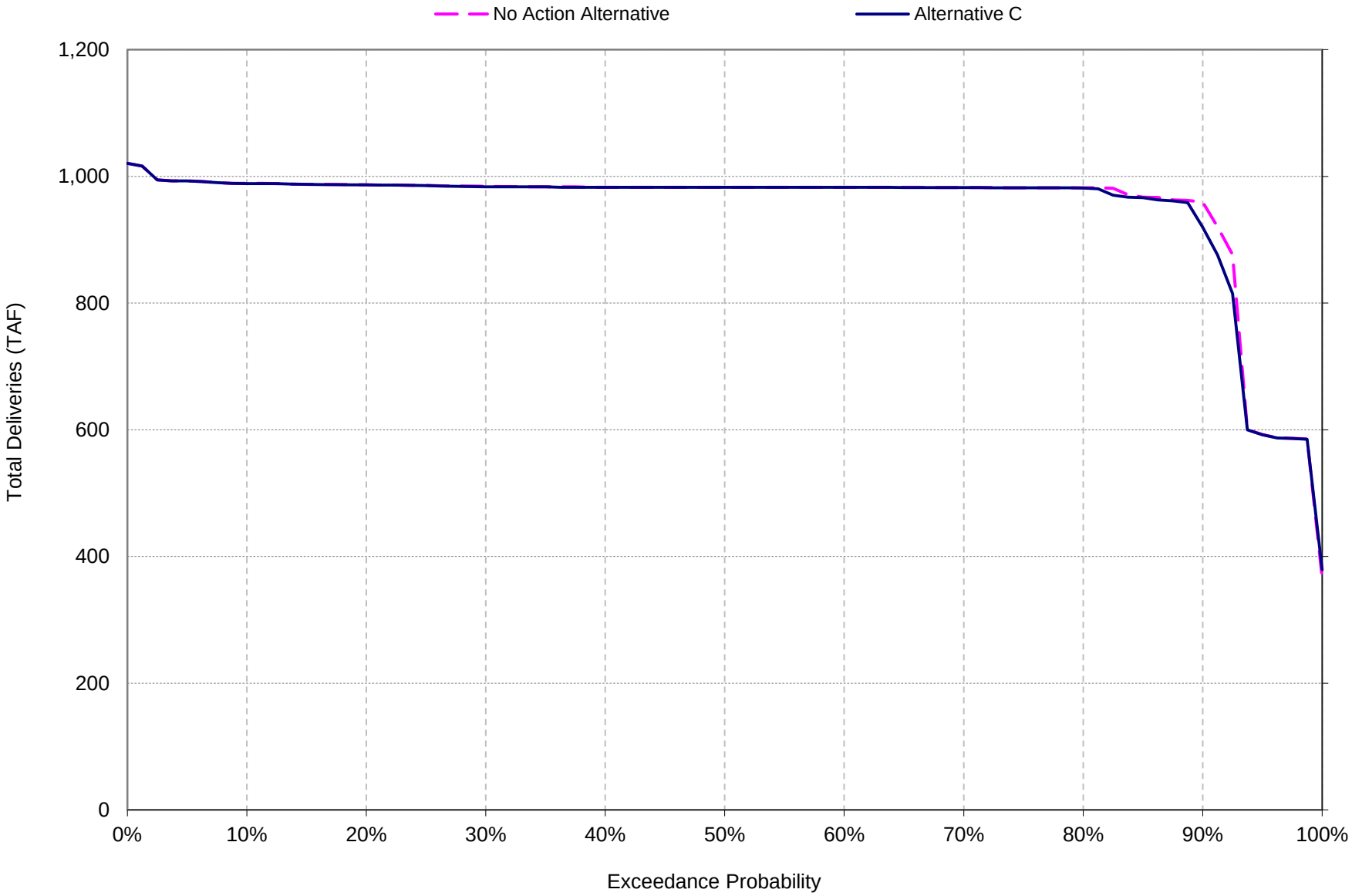

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Table WS-SWP-7j

			Alternative C															Alternative C					
			State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	222	49	700	93	793	260	9	1,354	1,363	713	2,004	2,716	69%	69%	100%	2,700	0	16
1923	3	BN	994	23	4	202	43	624	83	707	293	8	1,442	1,450	635	2,087	2,722	62%	62%	100%	2,529	176	18
1924	5	C	585	15	2	132	29	412	55	467	182	5	905	910	419	1,317	1,736	41%	41%	50%	1,693	34	10
1925	4	D	983	22	4	200	44	629	84	713	259	8	1,308	1,315	640	1,915	2,556	62%	62%	100%	2,540	1	15
1926	4	D	989	21	3	179	42	601	80	681	264	8	1,316	1,323	612	1,901	2,514	59%	59%	100%	2,465	43	6
1927	1	W	982	22	3	187	41	587	78	665	250	7	1,253	1,260	598	1,830	2,428	58%	58%	100%	2,413	1	14
1928	2	AN	983	23	3	195	43	620	82	702	258	8	1,300	1,308	631	1,902	2,533	61%	61%	100%	2,519	1	13
1929	5	C	981	16	3	139	31	448	60	508	196	6	977	983	456	1,418	1,875	44%	44%	100%	1,839	28	8
1930	4	D	983	18	3	158	36	516	69	585	220	6	1,101	1,107	525	1,602	2,127	51%	51%	100%	2,116	1	10
1931	5	C	592	13	2	117	25	361	48	409	155	5	770	774	367	1,127	1,495	36%	36%	50%	1,484	1	10
1932	4	D	989	22	3	185	42	602	80	682	256	8	1,285	1,292	613	1,869	2,483	59%	59%	100%	2,475	0	8
1933	5	C	988	12	2	120	25	364	48	413	156	5	778	782	371	1,140	1,511	36%	36%	100%	1,498	2	12
1934	5	C	586	15	2	134	29	463	55	518	177	6	916	923	472	1,326	1,797	41%	41%	50%	1,704	0	93
1935	3	BN	983	24	4	209	47	679	90	769	260	9	1,343	1,351	691	1,973	2,665	67%	67%	100%	2,654	1	10
1936	3	BN	987	25	4	220	49	703	93	796	286	9	1,462	1,471	716	2,136	2,851	69%	69%	100%	2,705	134	12
1937	3	BN	982	31	5	273	61	977	117	1,094	362	12	1,835	1,847	994	2,678	3,672	87%	87%	100%	3,376	182	114
1938	1	W	982	35	5	300	68	976	130	1,106	409	12	2,059	2,071	994	3,000	3,994	96%	96%	100%	3,751	231	12
1939	4	D	1,016	21	3	171	38	551	73	624	289	7	1,378	1,385	561	1,970	2,531	54%	54%	100%	2,262	259	10
1940	2	AN	982	23	4	207	46	655	87	742	260	8	1,327	1,335	667	1,950	2,617	65%	65%	100%	2,602	1	14
1941	1	W	970	30	5	248	58	833	111	944	328	10	1,674	1,685	848	2,449	3,297	82%	82%	100%	3,202	93	2
1942	1	W	983	28	4	241	53	760	101	861	325	10	1,635	1,644	774	2,383	3,156	75%	75%	100%	2,922	219	16
1943	1	W	983	31	5	268	59	855	114	968	356	11	1,802	1,813	870	2,630	3,501	84%	84%	100%	3,287	199	15
1944	4	D	984	22	4	197	45	642	85	727	305	8	1,496	1,504	653	2,150	2,803	63%	63%	100%	2,567	227	10
1945	3	BN	982	26	4	235	51	806	97	903	283	10	1,516	1,526	820	2,208	3,028	72%	72%	100%	2,809	65	154
1946	3	BN	983	25	4	218	47	670	89	759	300	8	1,489	1,497	682	2,167	2,848	66%	66%	100%	2,635	193	20
1947	4	D	983	24	4	203	45	651	86	738	281	8	1,402	1,411	663	2,042	2,705	64%	64%	100%	2,593	101	11
1948	3	BN	920	21	3	187	41	588	78	666	266	7	1,318	1,326	598	1,911	2,509	58%	58%	100%	2,414	82	14
1949	4	D	984	22	3	180	42	606	80	687	257	8	1,288	1,296	617	1,870	2,487	60%	60%	100%	2,475	1	10
1950	3	BN	982	20	3	183	38	550	73	623	235	7	1,177	1,184	560	1,727	2,286	54%	54%	100%	2,258	6	21
1951	2	AN	986	29	4	253	54	1,044	103	1,146	287	13	1,660	1,673	1,061	2,386	3,447	76%	76%	100%	2,975	1	470
1952	1	W	983	34	5	281	66	947	126	1,073	395	12	1,985	1,997	964	2,887	3,851	93%	93%	100%	3,641	209	2
1953	1	W	986	22	3	191	41	588	78	667	302	7	1,453	1,460	599	2,087	2,686	58%	58%	100%	2,418	251	17
1954	2	AN	983	23	3	194	43	616	82	697	258	8	1,296	1,304	627	1,895	2,522	61%	61%	100%	2,508	1	13
1955	4	D	993	23	4	202	44	639	85	724	263	8	1,331	1,339	651	1,949	2,600	63%	63%	100%	2,565	21	14
1956	1	W	993	32	5	274	61	977	117	1,093	337	12	1,759	1,771	994	2,580	3,574	87%	87%	100%	3,377	60	136
1957	2	AN	983	21	3	183	39	557	74	631	285	7	1,371	1,378	567	1,972	2,539	55%	55%	100%	2,289	233	18
1958	1	W	959	36	6	310	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,878	3,910	100%	100%	100%	3,896	1	13
1959	3	BN	990	19	3	163	36	511	68	579	273	6	1,302	1,308	520	1,860	2,381	50%	50%	100%	2,101	269	11
1960	4	D	983	19	3	170	38	543	72	615	232	7	1,159	1,165	553	1,689	2,242	54%	54%	100%	2,230	1	10
1961	4	D	983	21	3	176	42	609	81	690	257	8	1,291	1,299	621	1,869	2,490	60%	60%	100%	2,481	1	8
1962	3	BN	983	22	3	195	43	619	82	701	260	8	1,307	1,315	630	1,909	2,540	61%	61%	100%	2,516	11	13
1963	1	W	967	23	4	203	43	623	83	705	263	8	1,322	1,330	634	1,938	2,572	61%	61%	100%	2,526	26	20
1964	4	D	989	24	4	207	46	657	87	744	266	8	1,353	1,361	669	1,983	2,652	65%	65%	100%	2,607	32	13
1965	1	W	987	29	4	244	54	779	103	882	306	10	1,572	1,582	793	2,308	3,101	77%	77%	100%	2,995	92	14
1966	3	BN	987	25	4	211	46	657	87	745	302	8	1,489	1,497	669	2,160	2,829	65%	65%	100%	2,608	204	17
1967	1	W	983	28	4	243	53	833	101	934	298	10	1,589	1,600	848	2,312	3,160	75%	75%	100%	2,910	93	157
1968	3	BN	983	26	4	219	49	704	94	798	280	9	1,410	1,419	717	2,078	2,795	69%	69%	100%	2,709	75	12
1969	1	W	983	37	6	300	70	1,014	135	1,148	396	13	2,057	2,070	1,032	2,996	4,028	100%	100%	100%	3,896	100	32
1970	1	W	983	29	4	257	54	974	103	1,076	318	13	1,632	1,645	991	2,392	3,383	76%	76%	100%	2,979	120	284
1971	1	W	985	24	4	201	44	629	84	713	300	8	1,469	1,476	641	2,121	2,761	62%	62%	100%	2,542	205	14
1972	3	BN	992	24	4	207	44	633	84	717	267	8	1,344	1,352	645	1,969	2,614	62%	62%	100%	2,552	43	20
1973	2	AN	982	26	4	222	48	696	92	789	270	9	1,391	1,400	709	2,050	2,758	69%	69%	100%	2,692	50	16
1974	1	W	982	31	5	263	58	839	111	950	343	11	1,745	1,756	854	2,552	3,406	83%	83%	100%	3,225	166	16
1975	1	W	982	27	4	233	51	732	97	829	317	9	1,581	1,591	746	2,306	3,052	72%	72%	100%	2,815	220	16
1976	5	C	1,021	23	4	198	44	634	84	718	298	8	1,464	1,472	646	2,112	2,757	63%	63%	100%	2,553	193	11
1977	5	C	379	8	1	67	15	216	29	244	103	3	502	504	220	723	943	21%	21%	50%	887	54	2
1978	2	AN	983	26	4	222	52	752	100	852	277	9	1,448	1,457	766	2,125	2,891	74%	74%	100%	2,889	0	2
1979	3	BN	982	28	4	237	53	756	100	857	319	9	1,612	1,622	770	2,349	3,119	75%	75%	100%	2,906	199	14
1980	2	AN	986	32	5	261	61	879	117	995	348	11	1,816	1,827	894	2,635	3,530	87%	87%	100%	3,377	109	44
1981	4	D	983	24	4	201	44	632	84	715	307	8	1,490	1,498	643	2,150	2,793	62%	62%	100%	2,547	231	14
1982	1	W	967	37	6	318	70	1,141	135	1,275	392	15	2,025	2,040	1,161	2,977	4,138	100%	100%	100%	3,896	47	195
1983	1	W	963	37	6	319	70	1,421	135	1,556	420	16	2,116	2,131	1,442	3,096	4,538	100%	100%	100%	3,896	93	549
1984	1	W	982	29	4	264	54	1,187	103	1,290	317	14	1,692	1,705	1,205	2,459	3,664	77%	77%	100%	2,988	93	584
1985	4	D	983	28	4	226	52	743	99	841	295	9	1,486	1,495	756	2,185	2,941	73%	73%	100%	2,855	78	8
1986	1	W	986	31	5	261	61	879	117	995	361	11	1,909	1,920	894	2,740	3,635	87%	87%	100%	3,376	170	88
1987	4	D	983	17	3	156	34	493	65	558	222	6	1,067	1,073	502	1,562	2,064	49%	49%	100%	1,943	110	10
1988	5	C	600	12	2	108	23	331	44	375	142	4	706	710	337	1,036	1,373	33%	33%	50%	1,361	1	10
1989	4	D	982	20	3	176	41	592	79	671	252	7	1,264	1,271	603	1,832	2,435	58%	58%	100%	2,429	0	6
1990	5	C	984	16	3	142	32	457	61	518	195	6	975	981	465	1,421	1,886	45%	45%	100%	1,877	1	8
1991	5	C	587	10	2	101	21	299	40	339	129	4	639	643	305	939	1,244	30%	30%	50%	1,231	1	12
1992	5	C	815	11	2	95	22	314	42	356	135	4	671	675	320	975	1,296	31%	31%	100%	1,286	0	10
1993	2	AN	982	25	4	215	48	686	91	777	260	9	1,347	1,355	699	1,986	2,685	68%	68%	100%	2,671	0	14
1994	5	C	987	21	3	171	39	563	75	638	269	7	1,319	1,326	574	1,894	2,468	56%	56%	100%	2,310	148	10
1995	1	W	987	30	5	257	60	867	115	982	321	11	1,669	1,680	883	2,453	3,336	86%	86%	100%	3,331	3	2
1996	1	W	961	27	4	234	52	743	99	841	321	9	1,610	1,619	756	2,342	3,098	73%	73%	100%	2,855	230	14
1997	1	W	988	32	5	284	61	1,150	116	1,266	350	14	1,799	1,813	1,169	2,642	3,810	87%	87%	100%	3,371	98	341
1998	1	W	876	35	5	292	68	976	130	1,105	407	12	2,057	2,070	994	2,989	3,982	96%	96%	100%	3,751	228	4
1999	1	W	983	25	4	220	46	668	89	757	315	8	1,535	1,544	680	2,231	2,911	66%	66%	100%	2,632	257	22
2000	2	AN	983	26	4	223	49	706	94	800	283	9	1,450	1,458	719	2,124	2,843	70%	70%	100%	2,716	113	14
2001	4	D	983	21	3	191	42	609	81	690	294	8	1,438	1,446	620	2,068	2,688	60%	60%	100%	2,491	186	11
2002	4	D	983	21	3	186	41	590	78	669	253	7	1,267	1,274	601	1,847	2,447	58%	58%	100%	2,425	11	12

Table WS-SWP-7j

		Alternative C															Alternative C					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		948	24	4	209	46	693	89	782	281	9	1,421	1,430	706	2,070	2,776	66%	66%	96%	2,634	92	50
MIN:		379	8	1	67	15	216	29	244	103	3	502	504	220	723	943	21%	21%	50%	887	0	2
MAX:		1,021	37	6	319	70	1,421	135	1,556	420	16	2,116	2,131	1,442	3,096	4,538	100%	100%	100%	3,896	269	584
DP:	29-34, 76-77	819	15	2	135	30	435	57	492	188	5	937	942	443	1,363	1,806	43%	43%	82%	1,763	28	15
	W	976	30	5	257	57	884	109	994	339	11	1,729	1,740	900	2,522	3,422	81%	81%	100%	3,188	135	99
	AN	983	25	4	218	48	719	92	811	277	9	1,433	1,442	732	2,094	2,826	69%	69%	100%	2,722	46	58
AVG:	BN	981	24	4	211	46	677	88	765	285	8	1,432	1,440	689	2,087	2,776	66%	66%	100%	2,627	117	32
	D	986	22	3	187	42	606	80	686	265	8	1,318	1,325	617	1,914	2,531	60%	60%	100%	2,448	72	10
	C	759	14	2	127	28	405	53	459	178	5	885	890	413	1,286	1,698	40%	40%	75%	1,643	39	16
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,421	135	1,556	420	16	2,116	2,131	1,442	3,096	4,538	100%	100%	100%	3,896	269	584
2	1.3%	1,016	37	6	318	70	1,187	135	1,290	409	15	2,059	2,071	1,205	3,000	4,138	100%	100%	100%	3,896	259	549
3	2.5%	994	37	6	310	70	1,150	135	1,275	407	14	2,057	2,070	1,169	2,996	4,028	100%	100%	100%	3,896	257	470
4	3.8%	993	36	6	300	70	1,141	135	1,266	396	14	2,057	2,070	1,161	2,989	3,994	100%	100%	100%	3,896	251	341
5	5.0%	993	35	5	300	68	1,044	130	1,148	395	13	2,025	2,040	1,061	2,977	3,982	96%	96%	100%	3,751	233	284
6	6.3%	992	35	5	292	68	1,014	130	1,148	392	13	1,985	1,997	1,032	2,887	3,910	96%	96%	100%	3,751	231	195
7	7.5%	990	34	5	284	66	1,014	126	1,146	375	13	1,951	1,964	1,032	2,878	3,851	93%	93%	100%	3,641	231	157
8	8.8%	989	32	5	281	61	977	117	1,106	362	13	1,909	1,920	994	2,740	3,810	87%	87%	100%	3,377	230	154
9	10.0%	989	32	5	274	61	977	117	1,105	361	12	1,835	1,847	994	2,678	3,672	87%	87%	100%	3,377	228	136
10	11.3%	989	32	5	273	61	976	117	1,094	356	12	1,816	1,827	994	2,642	3,664	87%	87%	100%	3,376	227	114
11	12.5%	988	31	5	268	61	976	117	1,093	350	12	1,802	1,813	994	2,635	3,635	87%	87%	100%	3,376	220	93
12	13.8%	988	31	5	264	61	974	116	1,076	348	12	1,799	1,813	991	2,630	3,574	87%	87%	100%	3,371	219	88
13	15.0%	987	31	5	263	60	947	115	1,073	343	12	1,759	1,771	964	2,580	3,530	86%	86%	100%	3,331	209	44
14	16.3%	987	31	5	261	59	879	114	995	337	11	1,745	1,756	894	2,552	3,501	84%	84%	100%	3,287	205	32
15	17.5%	987	30	5	261	58	879	111	995	328	11	1,692	1,705	894	2,459	3,447	83%	83%	100%	3,225	204	22
16	18.8%	987	30	5	257	58	867	111	982	325	11	1,674	1,685	883	2,453	3,406	82%	82%	100%	3,202	199	21
17	20.0%	987	29	4	257	54	855	103	968	321	11	1,669	1,680	870	2,449	3,383	77%	77%	100%	2,995	199	20
18	21.3%	986	29	4	253	54	839	103	950	321	11	1,660	1,673	854	2,392	3,336	77%	77%	100%	2,988	193	20
19	22.5%	986	29	4	248	54	833	103	944	319	10	1,635	1,645	848	2,386	3,297	76%	76%	100%	2,979	193	20
20	23.8%	986	29	4	244	54	833	103	934	318	10	1,632	1,644	848	2,383	3,160	76%	76%	100%	2,975	186	18
21	25.0%	986	28	4	243	53	806	101	903	317	10	1,612	1,622	820	2,349	3,156	75%	75%	100%	2,922	182	18
22	26.3%	985	28	4	241	53	779	101	882	317	10	1,610	1,619	793	2,342	3,119	75%	75%	100%	2,910	176	17
23	27.5%	984	28	4	237	53	760	100	861	315	10	1,589	1,600	774	2,312	3,101	75%	75%	100%	2,906	170	17
24	28.8%	984	28	4	235	52	756	100	857	307	9	1,581	1,591	770	2,308	3,098	74%	74%	100%	2,889	166	16
25	30.0%	984	27	4	234	52	752	99	852	306	9	1,572	1,582	766	2,306	3,052	73%	73%	100%	2,855	148	16
26	31.3%	983	27	4	233	52	743	99	841	305	9	1,535	1,544	756	2,231	3,028	73%	73%	100%	2,855	134	16
27	32.5%	983	26	4	226	51	743	97	841	302	9	1,516	1,526	756	2,208	2,941	72%	72%	100%	2,815	120	16
28	33.8%	983	26	4	223	51	732	97	829	302	9	1,496	1,504	746	2,185	2,911	72%	72%	100%	2,809	113	16
29	35.0%	983	26	4	222	49	706	94	800	300	9	1,490	1,498	719	2,167	2,891	70%	70%	100%	2,716	110	15
30	36.3%	983	26	4	222	49	704	94	798	300	9	1,489	1,497	717	2,160	2,851	69%	69%	100%	2,709	109	15
31	37.5%	983	26	4	222	49	703	93	796	298	9	1,489	1,497	716	2,150	2,848	69%	69%	100%	2,705	101	14
32	38.8%	983	26	4	220	49	700	93	793	298	9	1,486	1,495	713	2,150	2,843	69%	69%	100%	2,700	100	14
33	40.0%	983	25	4	220	48	696	92	789	295	9	1,469	1,476	709	2,136	2,829	69%	69%	100%	2,692	98	14
34	41.3%	983	25	4	219	48	686	91	777	294	9	1,464	1,472	699	2,125	2,803	68%	68%	100%	2,671	93	14
35	42.5%	983	25	4	218	47	679	90	769	293	9	1,462	1,471	691	2,124	2,795	67%	67%	100%	2,654	93	14
36	43.8%	983	25	4	215	47	670	89	759	289	8	1,453	1,460	682	2,121	2,793	66%	66%	100%	2,635	93	14
37	45.0%	983	25	4	211	46	668	89	757	287	8	1,450	1,458	680	2,112	2,761	66%	66%	100%	2,632	93	14
38	46.3%	983	24	4	209	46	657	87	745	286	8	1,448	1,457	669	2,087	2,758	65%	65%	100%	2,608	92	14
39	47.5%	983	24	4	207	46	657	87	744	285	8	1,442	1,450	669	2,087	2,757	65%	65%	100%	2,607	82	14
40	48.8%	983	24	4	207	46	655	87	742	283	8	1,438	1,446	667	2,078	2,722	65%	65%	100%	2,602	78	14
41	50.0%	983	24	4	207	45	651	86	738	283	8	1,410	1,419	663	2,068	2,716	64%	64%	100%	2,593	75	14
42	51.3%	983	24	4	203	45	642	85	727	281	8	1,402	1,411	653	2,050	2,705	63%	63%	100%	2,567	65	13
43	52.5%	983	24	4	203	44	639	85	724	280	8	1,391	1,400	651	2,042	2,688	63%	63%	100%	2,565	60	13
44	53.8%	983	23	4	202	44	634	84	718	277	8	1,378	1,385	646	2,004	2,686	63%	63%	100%	2,553	54	13
45	55.0%	983	23	4	202	44	633	84	717	273	8	1,371	1,378	645	1,986	2,685	62%	62%	100%	2,552	50	13
46	56.3%	983	23	4	201	44	632	84	715	270	8	1,354	1,363	643	1,983	2,665	62%	62%	100%	2,547	47	13
47	57.5%	983	23	4	201	44	629	84	713	269	8	1,353	1,361	641	1,973	2,652	62%	62%	100%	2,542	43	12
48	58.8%	983	23	4	200	44	629	84	713	267	8	1,347	1,355	640	1,972	2,617	62%	62%	100%	2,540	43	12
49	60.0%	983	23	4	198	43	624	83	707	266	8	1,344	1,352	635	1,970	2,614	62%	62%	100%	2,529	34	12
50	61.3%	983	23	4	197	43	623	83	705	266	8	1,343	1,351	634	1,969	2,600	61%	61%	100%	2,526	32	12
51	62.5%	983	22	3	195	43	620	82	702	264	8	1,331	1,339	631	1,950	2,572	61%	61%	100%	2,519	28	12
52	63.8%	983	22	3	195	43	619	82	701	263	8	1,327	1,335	630	1,949	2,556	61%	61%	100%	2,516	26	12
53	65.0%	982	22	3	194	43	616	82	697	263	8	1,322	1,330	627	1,938	2,540	61%	61%	100%	2,508	21	11
54	66.3%	982	22	3	191	42	609	81	690	260	8	1,319	1,326	621	1,915	2,539	60%	60%	100%	2,491	11	11
55	67.5%	982	22	3	191	42	609	81	690	260	8	1,318	1,326	620	1,911	2,533	60%	60%	100%	2,481	11	11
56	68.8%	982	22	3	187	42	606	80	687	260	8	1,316	1,323	617	1,909	2,531	60%	60%	100%	2,475	6	11
57	70.0%	982	22	3	187	42	602	80	682	260	8	1,308	1,315	613	1,902	2,522	59%	59%	100%	2,475	3	10
58	71.3%	982	21	3	186	42	601	80	681	260	8	1,307	1,315	612	1,901	2,514	59%	59%	100%	2,465	2	10
59	72.5%	982	21	3	185	41	592	79	671	259	7	1,302	1,308	603	1,895	2,509	58%	58%	100%	2,429	1	10
60	73.8%	982	21	3	183	41	590	78	669	258	7	1,300	1,308	601	1,894	2,490	58%	58%	100%	2,425	1	10
61	75.0%	982	21	3	183	41	588	78	667	258	7	1,296	1,304	599	1,870	2,487	58%	58%	100%	2,418	1	10
62	76.3%	982	21	3	180	41	588	78	666	257	7	1,291	1,299	598	1,869	2,483	58%	58%	100%	2,414	1	10
63	77.5%	982	21	3	179	41	587	78	665	257	7	1,288	1,296	598	1,869	2,468	58%	58%	100%	2,413	1	10
64	78.8%	982	21	3	176	39	563	75	638	256	7	1,285	1,292	574	1,860	2,447	56%	56%	100%	2,310	1	10
65	80.0%	982	21	3	176	39	557	74	631	253	7	1,267	1,274	567	1,847	2,435	55%	55%	100%	2,289	1	10
66	81.3%	981	20	3	171	38	551	73	624	252	7	1,264	1,271	561	1,832	2,428	54%	54%	100%	2,262	1	10
67	82.5%	970	20	3	171	38	550	73	623	250	7	1,253	1,260	560	1,830	2,381	54%	54%	100%	2,258	1	10
68	83.8%	967	19	3	170	38	543	72	615	235	7	1,177	1,184	553	1,727	2,286	54%	54%	100%	2,230	1	10
69	85.0%	967	19	3	163	36	516	69	585	232	6	1,159	1,165	525	1,689	2,242	51%	51%	100%	2,116	1	8
70	86.3%	963	18	3	158	36	511	68	579	222	6	1,101	1,107	520	1,602	2,127	50%	50%	100%	2,101	1	8
71	87.5%	961	17	3	156	34	493	65	558	220	6	1,067	1,073	502	1,562	2,064	49%	49%	100%	1,943	1	8
72	88.8%	959	16	3	142	32	463	61	518	196	6	977	983	472	1,421	1,886	45%	45%	100%	1,877	1	8
73	90.0%	920	16	3	139	31	457	60	518	195	6	975	981	465	1,418	1,875	44%	44%	100%	1,839	1	8
74	91.3%	876	15	2	134	29	448	55	508	182	6	916	923	456	1,326	1,797	41%	41%	100%	1,704	1	6
75	92.5%	815	15	2	132	29	412	55	467	177	5	905	910	419	1,317	1,736	41%	41%	100%	1,693	0	6
76	93.8%	600	13	2	120	25	364	48	413	156	5	778	782	371	1,140	1,511	36%	36%	50%	1,498	0	4
77	95.0%	592	12	2	117	25	361	48	409	155	5	770	774	367	1,127	1,495	36%	36%	50%	1,484	0	2
78	96.3%	587	12	2	108	23	331	44	375	142	4	706	710	337	1,036	1,373	33%	33%	50%	1,361	0	2
79	97.5%	586	11	2	101	22	314	42	356	135	4	671	675	320	975	1,296	31%	31%	50%	1,286	0	2
80	98.8%	585	10	2	95	21	299	40	339	129	4	639	643	305	939	1,244	30%	30%	50%	1,231	0	2
81	100.0%	379	8	1	67	15	216	29	244	103	3	502	504	220	723	943	21%	21%	50%	887	0	2

Table WS-SWP-7k

			No Action Alternative																				
			State Water Project (SWP) Contract Deliveries																	State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3	BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5	C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4	D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4	D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1	W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2	AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5	C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4	D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5	C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4	D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5	C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5	C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3	BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3	BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3	BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1	W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4	D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2	AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1	W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1	W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1	W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4	D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3	BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3	BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4	D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3	BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4	D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3	BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2	AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1	W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1	W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2	AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4	D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1	W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2	AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1	W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3	BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4	D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4	D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3	BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1	W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4	D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1	W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3	BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1	W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3	BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1	W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1	W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1	W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3	BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2	AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1	W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1	W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5	C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5	C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2	AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3	BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2	AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4	D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1	W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1	W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1	W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642	77%	77%	100%	2,988	93	562
1985	4	D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920	73%	73%	100%	2,832	80	8
1986	1	W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640	87%	87%	100%	3,376	169	94
1987	4	D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	97	10
1988	5	C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	7
1989	4	D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658	67%	67%	100%	2,650	0	8
1990	5	C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089	23%	23%	100%	967	114	8
1991	5	C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	12
1992	5	C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098	26%	26%	100%	1,088	0	10
1993	2	AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897	74%	74%	100%	2,885	0	12
1994	5	C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327	51%	51%	100%	2,118	198	10
1995	1	W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314	85%	85%	100%	3,310	2	1
1996	1	W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932	69%	69%	100%	2,690	228	14
1997	1	W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477	83%	83%	100%	3,225	168	84
1998	1	W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814	92%	92%	100%	3,584	226	4
1999	1	W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947	68%	68%	100%	2,685	245	16
2000	2	AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788	65%	65%	100%	2,612	162	14
2001	4	D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	97	14
2002	4	D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,682	68%	68%	100%	2,669	0	13

Table WS-SWP-7k

		No Action Alternative															No Action Alternative					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639	62%	62%	96%	2,496	91	51
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468	34%	34%	82%	1,386	37	44
	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338	80%	80%	100%	3,132	124	81
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840	69%	69%	100%	2,730	67	44
AVG:	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758	64%	64%	100%	2,593	120	45
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296	54%	54%	100%	2,202	62	32
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316	30%	30%	75%	1,234	52	30
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133	100%	100%	100%	3,896	267	549
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022	100%	100%	100%	3,896	245	420
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960	100%	100%	100%	3,894	242	306
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814	95%	95%	100%	3,593	233	297
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799	92%	92%	100%	3,584	233	266
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711	90%	90%	100%	3,501	228	247
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669	87%	87%	100%	3,377	227	169
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642	87%	87%	100%	3,377	226	155
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640	87%	87%	100%	3,376	217	126
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604	87%	87%	100%	3,376	217	94
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573	85%	85%	100%	3,310	214	84
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477	83%	83%	100%	3,225	210	61
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334	81%	81%	100%	3,147	208	59
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314	81%	81%	100%	3,147	200	20
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280	80%	80%	100%	3,110	198	19
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249	78%	78%	100%	3,054	197	19
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206	77%	77%	100%	2,988	196	17
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156	76%	76%	100%	2,973	195	16
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090	75%	75%	100%	2,908	195	16
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067	74%	74%	100%	2,885	192	16
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003	73%	73%	100%	2,858	189	16
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985	73%	73%	100%	2,856	187	16
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958	73%	73%	100%	2,855	171	15
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947	73%	73%	100%	2,844	169	15
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932	73%	73%	100%	2,838	168	15
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920	73%	73%	100%	2,832	162	15
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897	71%	71%	100%	2,771	162	14
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870	71%	71%	100%	2,755	137	14
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869	70%	70%	100%	2,720	125	14
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853	69%	69%	100%	2,697	119	14
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850	69%	69%	100%	2,690	114	14
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846	68%	68%	100%	2,685	111	14
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840	68%	68%	100%	2,682	99	14
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830	68%	68%	100%	2,669	97	14
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803	67%	67%	100%	2,650	97	14
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788	67%	67%	100%	2,645	93	14
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787	66%	66%	100%	2,638	91	14
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775	66%	66%	100%	2,630	88	14
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720	65%	65%	100%	2,615	86	14
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714	65%	65%	100%	2,612	80	13
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682	65%	65%	100%	2,602	66	13
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674	63%	63%	100%	2,574	47	13
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658	62%	62%	100%	2,536	44	12
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634	62%	62%	100%	2,534	21	12
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620	61%	61%	100%	2,510	21	12
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600	61%	61%	100%	2,506	5	12
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565	60%	60%	100%	2,482	2	12
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551	59%	59%	100%	2,452	2	12
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543	59%	59%	100%	2,444	1	12
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536	58%	58%	100%	2,426	1	12
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525	58%	58%	100%	2,424	1	12
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521	58%	58%	100%	2,416	1	12
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510	58%	58%	100%	2,400	1	11
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496	55%	55%	100%	2,306	1	11
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461	55%	55%	100%	2,289	1	10
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461	55%	55%	100%	2,275	1	10
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446	55%	55%	100%	2,272	1	10
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441	54%	54%	100%	2,240	1	10
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426	53%	53%	100%	2,188	1	10
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327	52%	52%	100%	2,146	1	10
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313	51%	51%	100%	2,118	1	10
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199	50%	50%	100%	2,084	1	10
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105	49%	49%	100%	2,044	1	10
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055	48%	48%	100%	2,009	1	9
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006	48%	48%	100%	1,993	1	8
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995	48%	48%	100%	1,985	1	8
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985	48%	48%	100%	1,978	1	8
69	85.0%	967	15	2	140	29	484	55	548	183	6	973	980	493	1,384	1,934	41%	41%	100%	1,687	0	8
70	86.3%	967	14	2	137	27	483	52	547	176	6	944	951	491	1,348	1,888	39%	39%	100%	1,621	0	8
71	87.5%	963	14	2	129	27	384	51	436	170	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	0	8
72	88.8%	962	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	0	8
73	90.0%	959	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	100%	1,288	0	8
74	91.3%	920	9	1	84	18	266	35	301	133	3	641	645	271	919	1,180	26%	26%	100%	1,088	0	7
75	92.5%	876	9	1	83	18	256	34	290	114	3	603	606	261	850	1,098	25%	25%	100%	1,051	0	6
76	93.8%	600	9	1	79	17	241	32	273	112	3	567	571	245	827	1,089	24%	24%	50%	985	0	4
77	95.0%	592	8	1	75	17	238	32	270	103	3	514	517	243	748	993	24%	24%	50%	976	0	2
78	96.3%	587	8	1	73	16	235	31	266	103	3	508	511	239	742	985	23%	23%	50%	967	0	2
79	97.5%	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	2
80	98.8%	585	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	1
81	100.0%	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1

Table WS-CVP-7a

Alternative C
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	63%	48%	86%	80%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	94%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	90%	59%	98%	86%	100%	100%	100%
Below Normal (17%)	59%	39%	87%	76%	100%	100%	100%
Dry (22%)	41%	33%	78%	74%	99%	99%	99%
Critical (15%)	11%	9%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,157	519	1,675	2,795	567
Water Year Types[2]					
Wet (32%)	1,816	530	2,346	2,806	592
Above Normal (15%)	1,465	527	1,992	2,822	584
Below Normal (17%)	964	516	1,479	2,854	591
Dry (22%)	793	521	1,314	2,842	567
Critical (15%)	216	488	704	2,604	473

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	434	74	60
Water Year Types[2]			
Wet (32%)	455	98	39
Above Normal (15%)	446	99	39
Below Normal (17%)	453	89	48
Dry (22%)	431	53	82
Critical (15%)	358	12	103

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7a

Alternative C

4-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	222	213	1,942	293	16	852	36	291	606
Water Year Types[2]									
Wet (32%)	327	241	1,931	469	18	875	58	271	962
Above Normal (15%)	318	241	1,947	357	17	875	44	269	747
Below Normal (17%)	209	216	1,979	235	15	875	29	284	491
Dry (22%)	146	193	1,979	201	15	864	25	313	421
Critical (15%)	38	149	1,863	55	12	741	7	327	116

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C

5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	161	2	25	261	58	28	12	14	6
Water Year Types[2]									
Wet (32%)	174	2	26	269	78	11	12	19	2
Above Normal (15%)	165	2	26	269	77	11	12	19	2
Below Normal (17%)	172	2	26	269	70	18	12	17	4
Dry (22%)	154	1	26	265	42	45	12	10	11
Critical (15%)	124	0	23	224	9	64	10	2	16

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C

6-NODOS Local Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7b

No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	60%	48%	85%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,138	516	1,654	2,786	562
Water Year Types[2]					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	428	0	134
Water Year Types[2]			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7b

No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	213	211	1,934	290	16	852	36	290	599
Water Year Types[2]									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	155	0	27	261	0	86	12	0	20
Water Year Types[2]									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7c

Difference: Alternative C minus No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	3%	0%	1%	0%	0%	0%	0%
Water Year Types[2]							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	6%	1%	2%	1%	0%	0%	0%
Below Normal (17%)	3%	0%	3%	0%	0%	0%	0%
Dry (22%)	4%	2%	1%	0%	0%	0%	0%
Critical (15%)	0%	-1%	0%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	19	3	22	9	6
Water Year Types[2]					
Wet (32%)	-4	0	-4	5	5
Above Normal (15%)	42	6	48	5	6
Below Normal (17%)	12	6	18	5	8
Dry (22%)	61	3	64	7	3
Critical (15%)	-8	1	-7	26	8

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	6	74	-74
Water Year Types[2]			
Wet (32%)	5	98	-98
Above Normal (15%)	6	99	-99
Below Normal (17%)	8	89	-89
Dry (22%)	3	53	-53
Critical (15%)	8	12	-12

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7c

Difference: Alternative C minus No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	10	2	9	2	0	0	0	1	6
Water Year Types[2]									
Wet (32%)	4	0	5	-1	0	0	0	0	-7
Above Normal (15%)	21	3	5	4	0	0	1	3	16
Below Normal (17%)	12	6	5	0	0	0	0	0	0
Dry (22%)	15	2	7	13	0	0	2	1	31
Critical (15%)	2	1	26	-4	0	0	0	0	-6

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	6	2	-2	0	58	-58	0	14	-14
Water Year Types[2]									
Wet (32%)	5	2	-2	0	78	-78	0	19	-19
Above Normal (15%)	6	2	-2	0	77	-77	0	19	-19
Below Normal (17%)	8	2	-2	0	70	-70	0	17	-17
Dry (22%)	3	1	-1	0	42	-42	0	10	-10
Critical (15%)	8	0	0	0	9	-9	0	2	-2

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative

6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7d

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	Ag Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	60%	48%	1,138
Alternative C	63%	48%	1,157
Difference	3%	0%	19
Percent Difference[3]			1.7%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative C	94%	77%	1,816
Difference	1%	0%	-4
Percent Difference			-0.2%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative C	90%	59%	1,465
Difference	6%	1%	42
Percent Difference			3.0%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative C	59%	39%	964
Difference	3%	0%	12
Percent Difference			1.2%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative C	41%	33%	793
Difference	4%	2%	61
Percent Difference			8.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative C	11%	9%	216
Difference	0%	-1%	-8
Percent Difference			-3.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

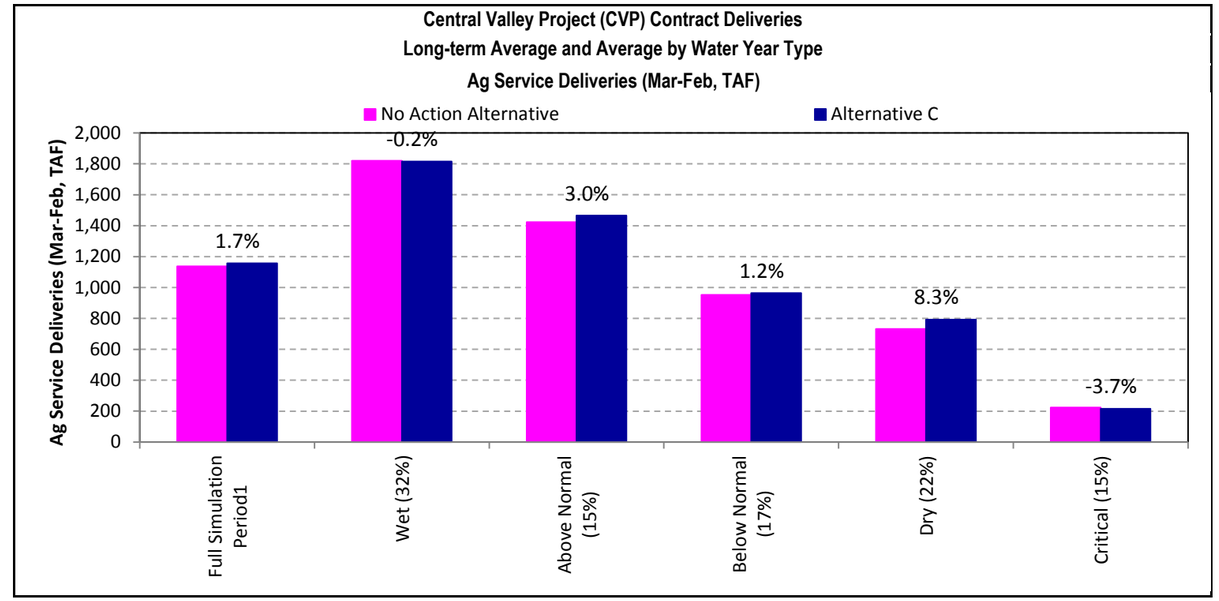

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Figure WS-CVP-7e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

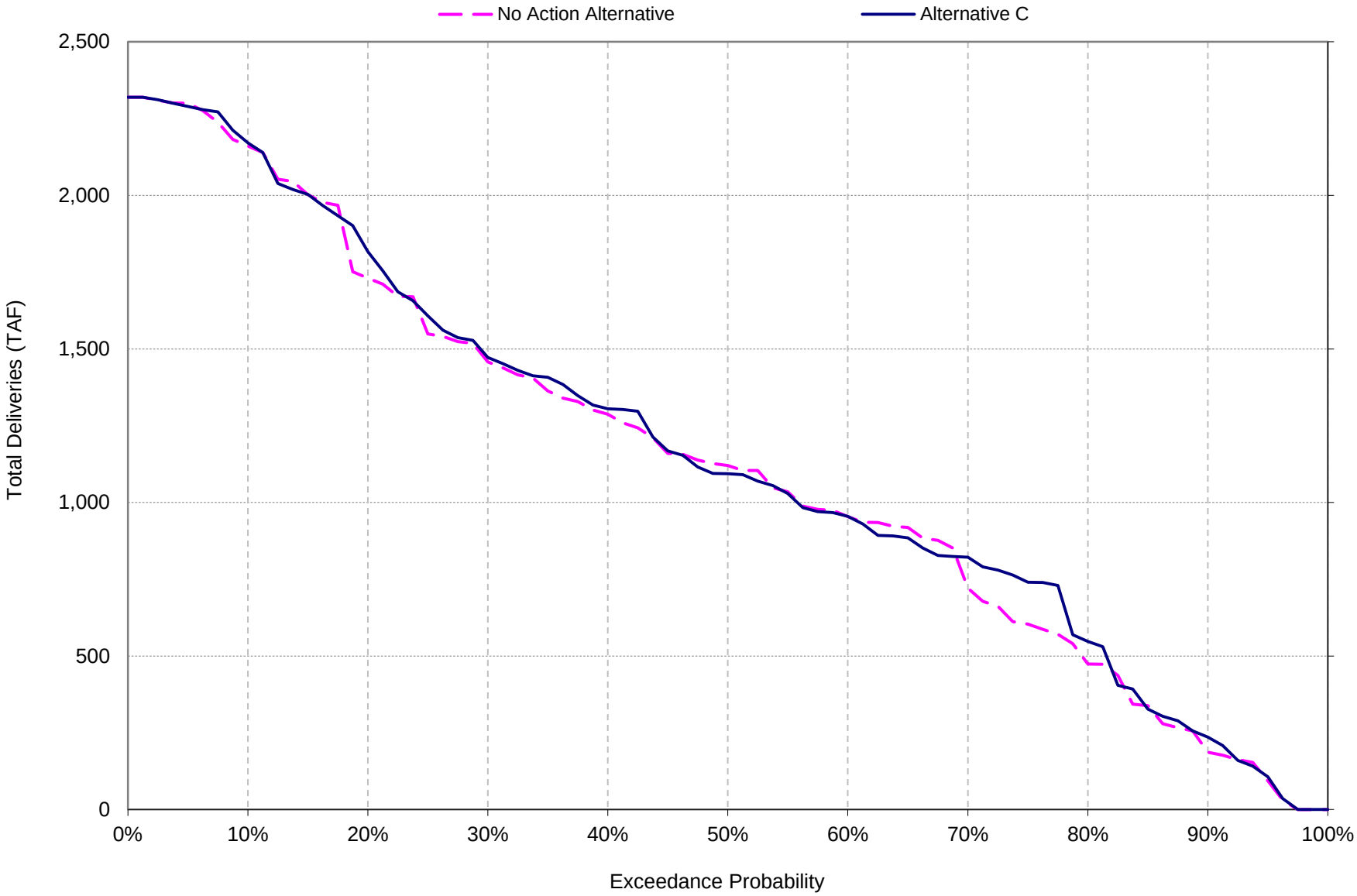

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Table WS-CVP-7f

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	85%	79%	516
Alternative C	86%	80%	519
Difference	1%	0%	3
Percent Difference[3]			0.5%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative C	99%	93%	530
Difference	0%	0%	0
Percent Difference			0.0%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative C	98%	86%	527
Difference	2%	1%	6
Percent Difference			1.2%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative C	87%	76%	516
Difference	3%	0%	6
Percent Difference			1.3%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative C	78%	74%	521
Difference	1%	0%	3
Percent Difference			0.6%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative C	58%	58%	488
Difference	0%	0%	1
Percent Difference			0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

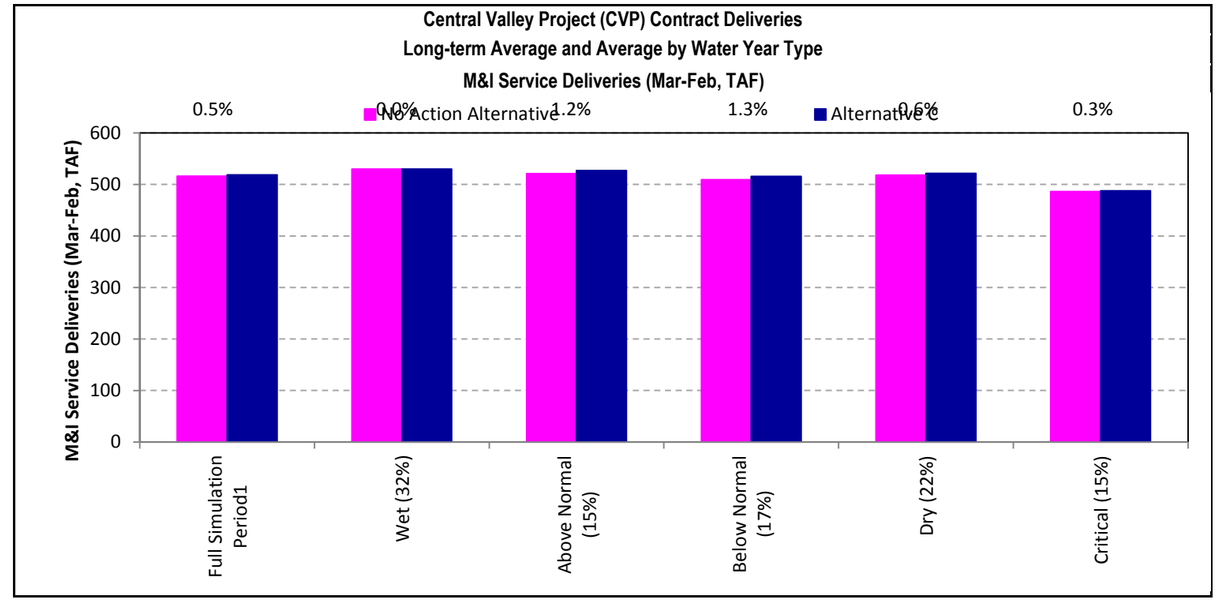

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Figure WS-CVP-7g

Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

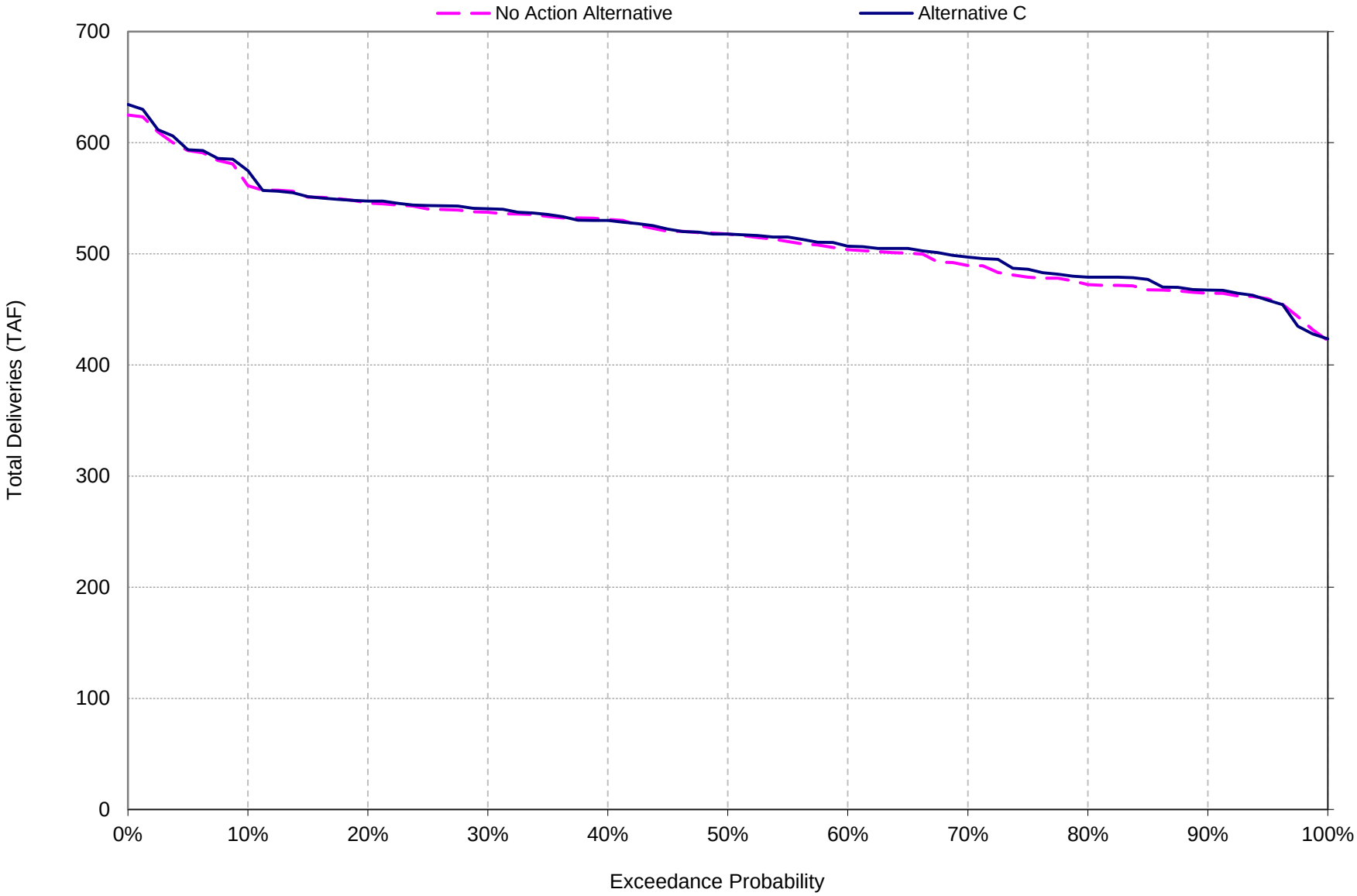

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Table WS-CVP-7h

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	97%	97%	2,786
Alternative C	97%	97%	2,795
Difference	0%	0%	9
Percent Difference[3]			0.3%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative C	100%	100%	2,806
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative C	100%	100%	2,822
Difference	0%	0%	5
Percent Difference			0.2%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative C	100%	100%	2,854
Difference	0%	0%	5
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative C	99%	99%	2,842
Difference	0%	0%	7
Percent Difference			0.3%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative C	83%	85%	2,604
Difference	0%	0%	26
Percent Difference			1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

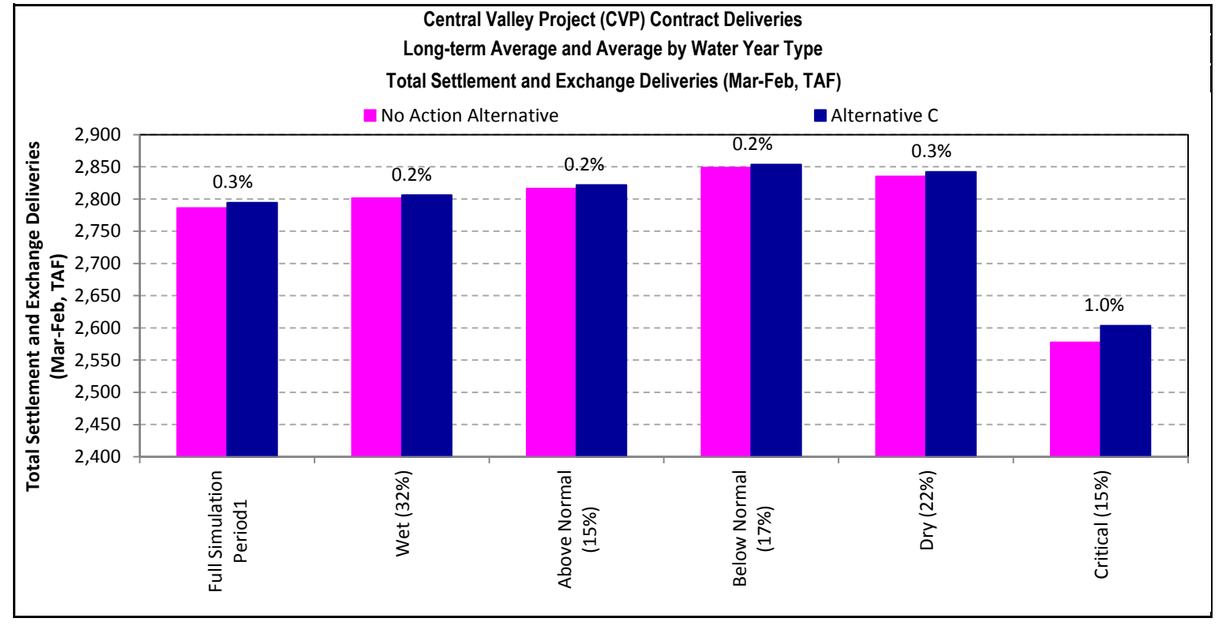

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Figure WS-CVP-7i

Central Valley Project (CVP) Settlement and Exchange Contract Deliveries
Probability Exceedance Chart

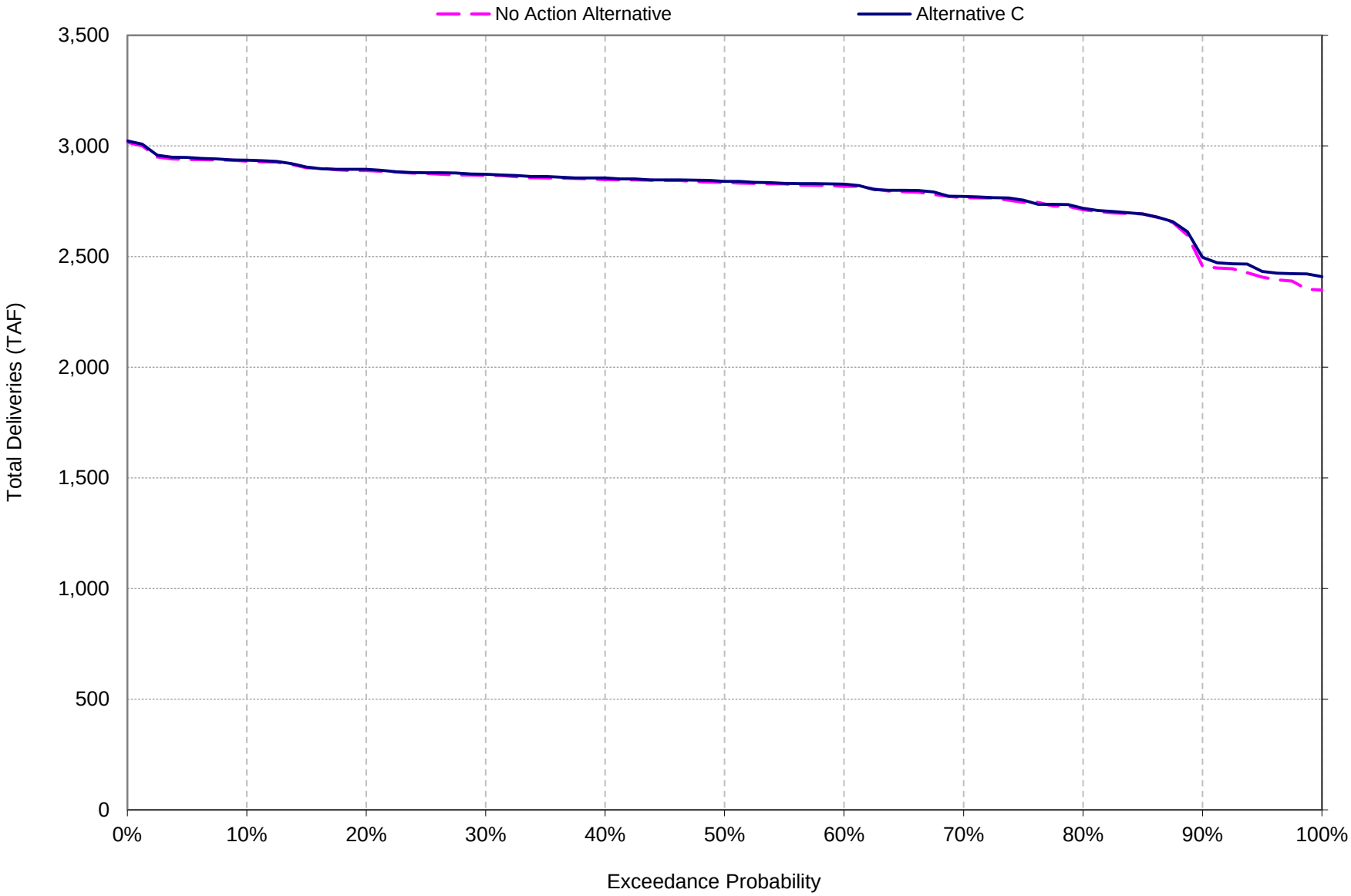

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Table WS-CVP-7j

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	97%	428
Alternative C	97%	434
Difference	0%	6
Percent Difference[3]		1.3%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	450
Alternative C	100%	455
Difference	0%	5
Percent Difference		1.1%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative C	100%	446
Difference	0%	6
Percent Difference		1.5%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative C	100%	453
Difference	0%	8
Percent Difference		1.8%
Dry (22%)		
No Action Alternative	99%	429
Alternative C	99%	431
Difference	0%	3
Percent Difference		0.6%
Critical (15%)		
No Action Alternative	83%	350
Alternative C	83%	358
Difference	0%	8
Percent Difference		2.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

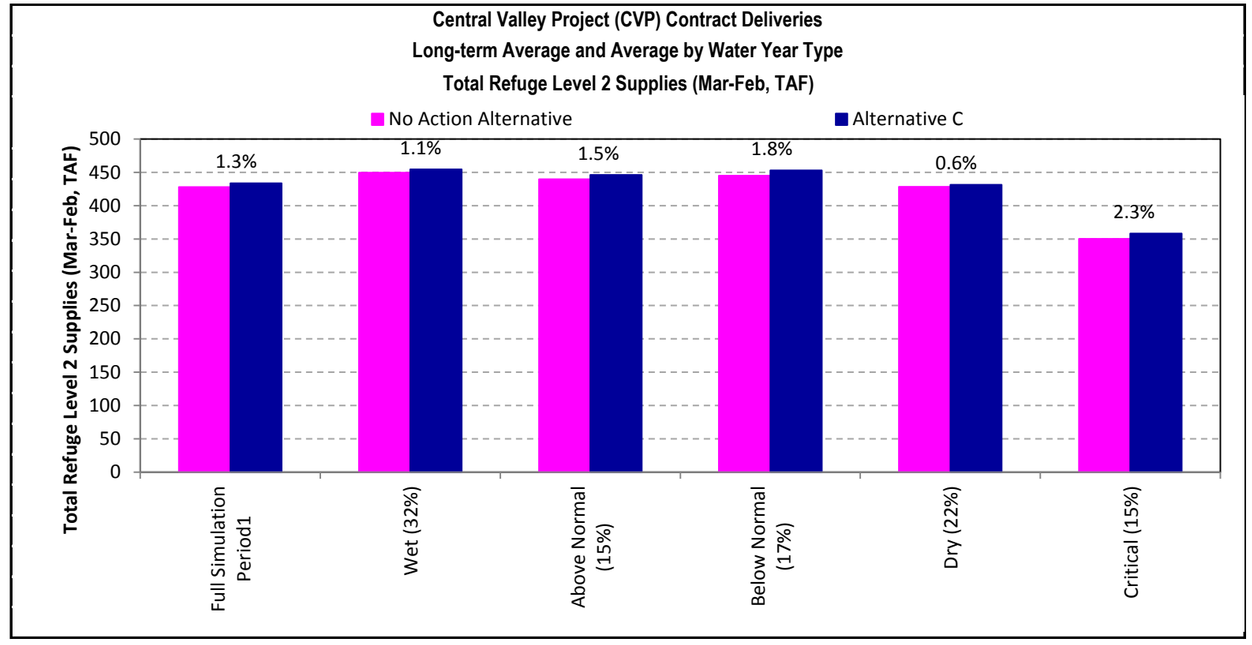

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Figure WS-CVP-7k

Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart

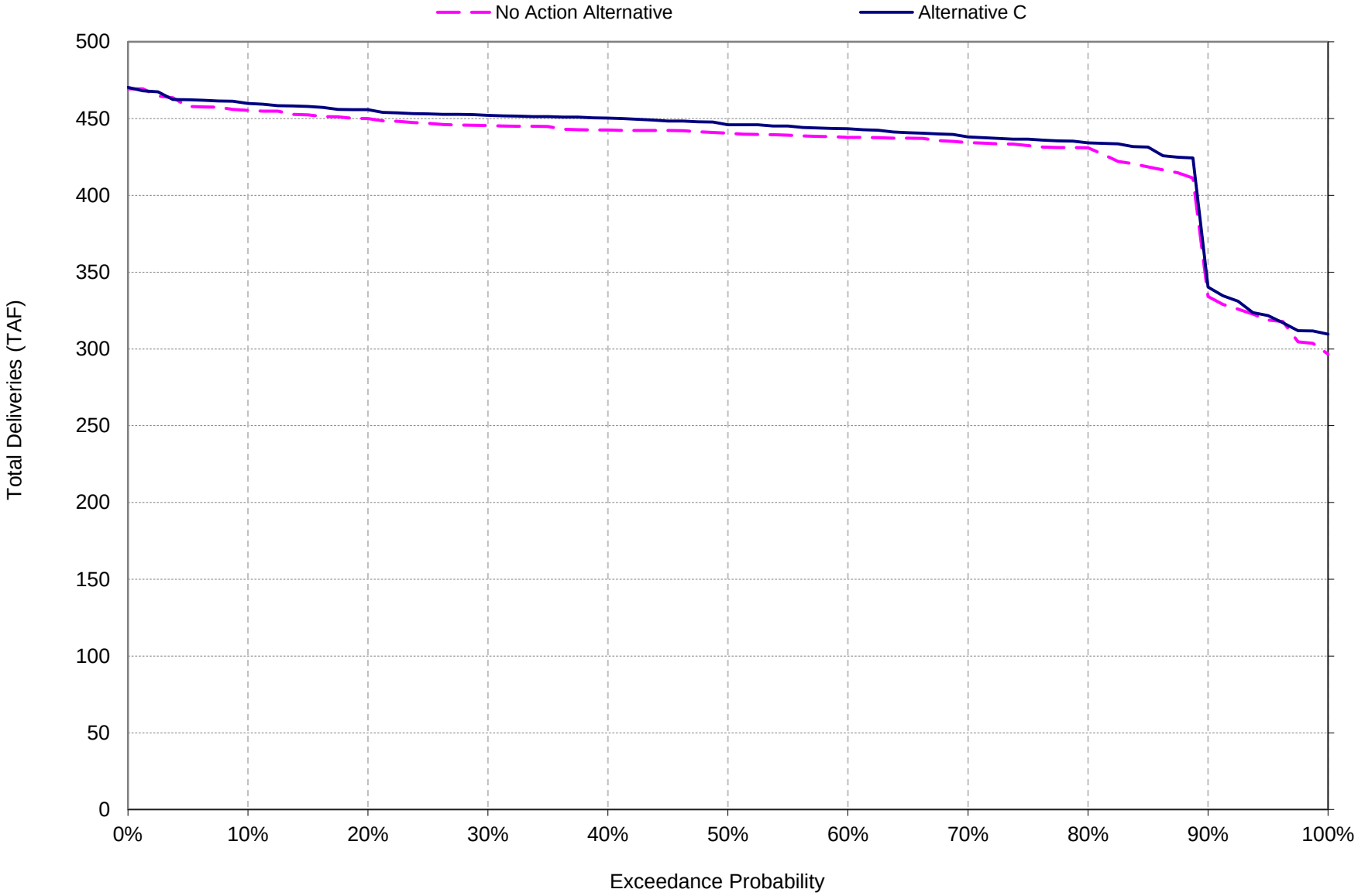

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Table WS-CVP-7l

Alternative C

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,019	172	2	25	0	2,825	480	20	875	269	78	11	1,732	59	288	347	1,005	12	19	2	1,038
1923	3	BN	240	219	2,003	167	3	25	0	2,657	258	15	875	269	78	11	1,505	32	261	293	540	12	19	2	574
1924	5	C	22	147	1,794	113	0	21	0	2,097	37	11	674	202	0	66	990	5	328	332	78	9	0	16	103
1925	4	D	204	197	1,862	162	0	28	0	2,453	338	16	875	269	0	89	1,587	43	282	325	712	12	0	21	745
1926	4	D	47	170	1,880	156	0	28	0	2,280	80	13	875	269	0	89	1,325	10	345	354	167	12	0	21	201
1927	1	W	357	245	1,976	156	2	26	0	2,762	364	17	875	269	75	14	1,613	45	260	305	762	12	19	2	796
1928	2	AN	201	206	1,976	155	2	25	0	2,565	213	15	875	269	78	11	1,460	26	256	282	445	12	19	2	479
1929	5	C	0	133	2,045	143	1	27	0	2,350	0	10	875	269	32	57	1,242	0	324	324	0	12	5	16	33
1930	4	D	64	168	1,955	154	0	28	0	2,370	106	13	875	269	3	86	1,352	13	355	368	221	12	0	21	255
1931	5	C	32	161	1,793	99	0	21	0	2,105	55	12	674	202	0	66	1,008	7	262	269	115	9	0	16	140
1932	4	D	45	153	1,798	120	0	21	0	2,136	76	12	674	202	0	66	1,030	9	258	267	159	9	0	16	184
1933	5	C	6	135	1,823	106	0	21	0	2,090	9	10	674	202	0	66	961	1	325	326	20	9	0	16	45
1934	5	C	25	142	1,750	101	0	21	0	2,038	42	11	674	202	0	66	995	5	343	349	88	9	0	16	113
1935	3	BN	55	170	1,895	170	0	28	0	2,318	84	13	875	269	0	89	1,329	11	245	256	178	12	0	21	211
1936	3	BN	131	189	1,946	172	2	26	0	2,466	224	15	875	269	53	35	1,471	27	261	288	469	12	12	9	502
1937	3	BN	125	205	1,956	189	2	26	0	2,503	207	15	875	269	75	14	1,454	26	259	285	432	12	19	2	466
1938	1	W	357	240	1,954	179	2	26	0	2,758	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1939	4	D	125	187	2,148	151	1	27	0	2,639	199	15	875	269	43	46	1,446	25	383	407	415	12	10	11	448
1940	2	AN	317	249	1,917	153	2	25	0	2,664	265	15	875	269	78	11	1,512	33	256	289	554	12	19	2	587
1941	1	W	329	248	1,803	175	2	26	0	2,583	531	20	875	269	78	11	1,783	66	280	345	1,112	12	19	2	1,146
1942	1	W	349	240	1,860	171	2	26	0	2,648	506	17	875	269	78	11	1,755	62	280	342	1,016	12	19	2	1,050
1943	1	W	280	243	1,980	173	2	26	0	2,704	478	20	875	269	78	11	1,730	59	280	339	1,001	12	19	2	1,034
1944	4	D	88	190	1,965	160	3	25	0	2,430	150	15	875	269	78	11	1,397	18	273	292	314	12	19	2	347
1945	3	BN	233	223	1,923	175	2	26	0	2,582	373	17	875	269	78	11	1,622	46	275	321	778	12	19	2	812
1946	3	BN	282	237	2,069	171	2	26	0	2,787	332	16	875	269	78	11	1,580	41	266	307	694	12	19	2	727
1947	4	D	154	179	2,004	159	1	26	0	2,523	258	15	875	269	48	41	1,505	32	274	306	539	12	13	8	572
1948	3	BN	266	226	1,737	172	2	25	0	2,429	175	15	875	269	78	11	1,421	22	257	280	365	12	19	2	398
1949	4	D	232	216	1,992	157	2	26	0	2,625	306	15	875	269	78	11	1,553	38	275	314	637	12	19	2	671
1950	3	BN	115	203	2,022	172	2	26	0	2,541	194	15	875	269	78	11	1,441	24	261	285	406	12	19	2	439
1951	2	AN	347	247	1,987	164	2	26	0	2,772	377	17	875	269	78	11	1,627	46	271	318	791	12	19	2	824
1952	1	W	357	246	1,960	180	2	26	0	2,771	608	20	875	269	78	11	1,860	75	280	355	1,272	12	19	2	1,305
1953	1	W	353	238	1,965	169	2	25	0	2,752	229	15	875	269	78	11	1,476	28	248	276	480	12	19	2	513
1954	2	AN	357	246	1,898	169	2	25	0	2,698	248	15	875	269	78	11	1,495	30	256	286	519	12	19	2	552
1955	4	D	167	190	2,020	159	2	26	0	2,564	268	15	875	269	78	11	1,515	33	274	307	561	12	19	2	594
1956	1	W	357	244	1,994	177	2	25	0	2,800	501	20	875	269	78	11	1,753	61	280	341	1,048	12	19	2	1,082
1957	2	AN	242	232	1,972	167	2	26	0	2,641	152	15	875	269	78	11	1,399	18	255	274	318	12	19	2	351
1958	1	W	336	243	1,843	181	2	26	0	2,631	604	20	875	269	78	11	1,856	75	280	354	1,265	12	19	2	1,298
1959	3	BN	237	218	2,084	160	3	25	0	2,726	183	15	875	269	78	11	1,430	23	373	395	382	12	19	2	416
1960	4	D	116	175	1,983	156	2	26	0	2,458	194	15	875	269	78	11	1,442	24	326	350	406	12	19	2	439
1961	4	D	172	181	1,981	156	0	28	0	2,518	244	15	875	269	3	86	1,491	30	274	304	509	12	0	21	542
1962	3	BN	273	247	2,008	168	1	27	0	2,724	255	15	875	269	75	14	1,503	31	373	404	534	12	19	2	568
1963	1	W	341	243	1,834	170	2	26	0	2,615	304	15	875	269	78	11	1,551	37	248	285	635	12	19	2	669
1964	4	D	139	194	2,074	154	2	25	0	2,588	237	13	875	269	78	11	1,482	29	327	356	489	12	19	2	522
1965	1	W	261	240	1,952	164	2	26	0	2,645	435	17	875	269	78	11	1,684	55	274	329	856	12	19	2	890
1966	3	BN	333	242	2,062	169	2	25	0	2,834	237	15	875	269	78	11	1,484	29	261	290	496	12	19	2	529
1967	1	W	338	241	1,818	175	2	26	0	2,600	607	20	875	269	78	11	1,859	75	280	355	1,270	12	19	2	1,303
1968	3	BN	229	224	1,955	176	2	25	0	2,611	184	15	875	269	78	11	1,432	23	355	377	386	12	19	2	419
1969	1	W	357	248	2,004	181	2	25	0	2,818	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1970	1	W	242	230	2,016	162	2	25	0	2,677	376	17	875	269	78	11	1,626	46	263	309	788	12	19	2	821
1971	1	W	325	242	2,066	165	1	26	0	2,825	188	15	875	269	78	11	1,435	23	248	271	394	12	19	2	427
1972	3	BN	188	206	2,074	170	2	26	0	2,666	243	15	875	269	78	11	1,490	30	261	291	509	12	19	2	543
1973	2	AN	352	252	1,972	172	2	26	0	2,776	328	16	875	269	78	11	1,576	40	261	301	687	12	19	2	720
1974	1	W	353	243	1,925	180	2	25	0	2,729	524	17	875	269	78	11	1,774	64	280	344	1,078	12	19	2	1,111
1975	1	W	357	240	1,997	177	2	25	0	2,799	356	15	875	269	78	11	1,603	44	258	302	715	12	19	2	749
1976	5	C	36	152	2,133	163	3	25	0	2,512	62	12	875	269	78	11	1,306	8	346	354	130	12	19	2	163
1977	5	C	17	123	1,748	101	0	21	0	2,009	28	11	674	202	0	66	981	3	333	337	59	9	0	16	84
1978	2	AN	356	245	1,925	167	3	25	0	2,721	578	20	875	269	75	14	1,830	72	285	357	1,206	12	19	2	1,239
1979	3	BN	223	221	1,969	178	3	25	0	2,619	336	16	875	269	78	11	1,584	42	268	309	702	12	19	2	735
1980	2	AN	308	247	1,970	170	2	25	0	2,723	527	20	875	269	78	11	1,779	65	288	353	1,103	12	19	2	1,137
1981	4	D	262	247	1,928	161	1	27	0	2,626	219	15	875	269	78	11	1,466	27	368	395	459	12	19	2	493
1982	1	W	328	252	1,829	181	1	26	0	2,617	609	20	875	269	78	11	1,861	75	280	355	1,160	12	19	2	1,193
1983	1	W	338	256	1,823	187	1	26	0	2,632	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1984	1	W	336	250	2,061	173	2	26	0	2,847	378	17	875	269	78	11	1,627	46	263	310	776	12	19	2	810
1985	4	D	257	229	1,998	162	2	25	0	2,674	267	15	875	269	78	11	1,514	33	274	307	559	12	19	2	592
1986	1	W	216	206	1,988	171	3	25	0	2,608	364	17	875	269	78	11	1,613	45	260	305	760	12	19	2	793
1987	4	D	84	191	2,029	144	1	27	0	2,476	139	15	875	269	35	54	1,386	18	369	387	289	12	5	16	323
1988	5	C	0	132	2,005	145	0	28	0	2,310	0	10	875	269	3	86	1,242	0	316	316	0	12	0	21	33
1989	4	D	88	178	1,980	150	0	28	0	2,424	144	15	875	269	0	89	1,390	18	270	288	298	12	0	21	331
1990	5	C	0	127	2,019	153	0	28	0	2,326	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	159	1,752	124	0	21	0	2,096	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	61	174	1,735	111	0	21	0	2,102	103	13	674	202	0	66	1,058	13	292	305	215	9	0	16	240
1993	2	AN	320	249	1,892	165	2	26	0	2,654	425	19	875	269	75	14	1,676	53	280	333	887	12	19	2	921
1994	5	C	215	202	1,759	130	0	21	0	2,326	261	15	674	202	0	66	1,217	32	395	427	547	9	0	16	572
1995	1	W	353	244	1,896	177	2	26	0	2,697	597	20	875	269	78	11	1,849	74	280	354	1,249	12	19	2	1,282
1996	1	W	343	241	1,862	165	2	26	0	2,638	426	17	875	269	78	11	1,675	52	272	325	836	12	19	2	869
1997	1	W	282	228	2,055	170	2	25	0	2,763	482	17	875	269	73	16	1,731	59	280	339	931	12	15	6	965
1998	1	W	312	249	1,783	186	1	26	0	2,559	608	20	875	269	78	11	1,860	75	280	355	1,144	12	19	2	1,178
1999	1	W	357	224	1,972	167	2	26	0	2,748	295	15	875	269	78	11	1,542	36	248	284	617	12	19	2	650
2000	2	AN	339	227	1,891	163	3	25	0	2,648	334	16	875	269	78	11	1,582	41	262	303	698	12	19	2	732
2001	4	D	121	192	1,959	153	3	25	0	2,453	205	15	875	269	78	11	1,452	25	386	411	429	12	19	2	463
2002	4	D	257	244	2,058	159	0	28	0	2,746	197	15	875	269	3	86	1,444	24	327	351	413	12	0	21	446

Table WS-CVP-7I

Alternative C

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		222	213	1,942	161	2	25	0	2,564	293	16	852	261	58	28	1,508	36	291	327	606	12	14	6	638
MIN:		0	123	1,735	99	0	21	0	2,009	0	10	674	202	0	11	961	0	245	256	0	9	0	2	33
MAX:		357	256	2,148	189	3	28	0	2,847	610	20	875	269	78	89	1,862	75	395	427	1,278	12	19	21	1,311
DP:	29-34, 76-77 and 87-92	35	152	1,898	130	0	24	0	2,239	59	12	774	235	11	67	1,158	7	318	326	124	11	2	16	153
AVG:	W	327	241	1,931	174	2	26	0	2,701	469	18	875	269	78	11	1,719	58	271	329	962	12	19	2	995
	AN	318	241	1,947	165	2	26	0	2,699	357	17	875	269	77	11	1,606	44	269	313	747	12	19	2	780
	BN	209	216	1,979	172	2	26	0	2,604	235	15	875	269	70	18	1,482	29	284	313	491	12	17	4	524
	D	146	193	1,979	154	1	26	0	2,499	201	15	864	265	42	45	1,432	25	313	338	421	12	10	11	454
	C	38	149	1,863	124	0	23	0	2,197	55	12	741	224	9	64	1,105	7	327	334	116	10	2	16	144
Rank	**Probability of Exceedence**																							
1	0.0%	357	256	2,148	189	3	28	0	2,847	610	20	875	269	78	89	1,862	75	395	427	1,278	12	19	21	1,311
2	1.3%	357	252	2,133	187	3	28	0	2,834	610	20	875	269	78	89	1,862	75	386	411	1,278	12	19	21	1,311
3	2.5%	357	252	2,084	186	3	28	0	2,825	610	20	875	269	78	89	1,862	75	383	407	1,278	12	19	21	1,311
4	3.8%	357	250	2,074	181	3	28	0	2,825	609	20	875	269	78	89	1,861	75	373	404	1,272	12	19	21	1,305
5	5.0%	357	249	2,074	181	3	28	0	2,818	608	20	875	269	78	89	1,860	75	373	395	1,270	12	19	21	1,303
6	6.3%	357	249	2,069	181	3	28	0	2,800	608	20	875	269	78	86	1,860	75	369	395	1,265	12	19	21	1,298
7	7.5%	357	249	2,066	180	3	28	0	2,799	607	20	875	269	78	86	1,859	75	368	387	1,249	12	19	21	1,282
8	8.8%	357	249	2,062	180	3	28	0	2,787	604	20	875	269	78	86	1,856	75	355	377	1,206	12	19	21	1,239
9	10.0%	357	248	2,061	179	3	28	0	2,776	597	20	875	269	78	86	1,849	74	355	368	1,160	12	19	21	1,193
10	11.3%	356	248	2,058	178	2	27	0	2,772	578	20	875	269	78	66	1,830	72	346	357	1,144	12	19	16	1,178
11	12.5%	353	247	2,055	177	2	27	0	2,771	531	20	875	269	78	66	1,783	66	345	356	1,112	12	19	16	1,146
12	13.8%	353	247	2,045	177	2	27	0	2,763	527	20	875	269	78	66	1,779	65	343	355	1,103	12	19	16	1,137
13	15.0%	353	247	2,029	177	2	27	0	2,762	524	20	875	269	78	66	1,774	64	343	355	1,078	12	19	16	1,111
14	16.3%	352	247	2,022	176	2	27	0	2,758	506	20	875	269	78	66	1,755	62	333	355	1,048	12	19	16	1,082
15	17.5%	349	246	2,020	175	2	26	0	2,752	501	20	875	269	78	66	1,753	61	328	355	1,016	12	19	16	1,050
16	18.8%	347	246	2,019	175	2	26	0	2,748	482	19	875	269	78	66	1,732	59	327	355	1,005	12	19	16	1,038
17	20.0%	343	245	2,019	175	2	26	0	2,746	480	17	875	269	78	66	1,731	59	327	355	1,001	12	19	16	1,034
18	21.3%	341	245	2,016	173	2	26	0	2,729	478	17	875	269	78	66	1,730	59	326	355	931	12	19	16	965
19	22.5%	339	244	2,008	173	2	26	0	2,726	435	17	875	269	78	57	1,684	55	325	354	887	12	19	16	921
20	23.8%	338	244	2,005	172	2	26	0	2,724	426	17	875	269	78	54	1,676	53	324	354	856	12	19	16	890
21	25.0%	338	244	2,004	172	2	26	0	2,723	425	17	875	269	78	46	1,675	52	317	354	836	12	19	11	869
22	26.3%	336	243	2,004	172	2	26	0	2,721	378	17	875	269	78	41	1,627	46	316	354	791	12	19	9	824
23	27.5%	336	243	2,003	172	2	26	0	2,704	377	17	875	269	78	35	1,627	46	292	353	788	12	19	8	821
24	28.8%	333	243	1,998	172	2	26	0	2,698	376	17	875	269	78	16	1,626	46	288	352	778	12	19	6	812
25	30.0%	329	243	1,997	171	2	26	0	2,697	373	17	875	269	78	14	1,622	46	288	351	776	12	19	2	810
26	31.3%	328	242	1,994	171	2	26	0	2,677	364	17	875	269	78	14	1,613	45	285	350	762	12	19	2	796
27	32.5%	325	242	1,992	171	2	26	0	2,674	364	17	875	269	78	14	1,613	45	282	349	760	12	19	2	793
28	33.8%	320	241	1,988	170	2	26	0	2,666	356	16	875	269	78	14	1,603	44	280	347	715	12	19	2	749
29	35.0%	317	241	1,987	170	2	26	0	2,664	338	16	875	269	78	14	1,587	43	280	345	712	12	19	2	745
30	36.3%	312	240	1,983	170	2	26	0	2,657	336	16	875	269	78	11	1,584	42	280	344	702	12	19	2	735
31	37.5%	308	240	1,981	170	2	26	0	2,654	334	16	875	269	78	11	1,582	41	280	342	698	12	19	2	732
32	38.8%	282	240	1,980	170	2	26	0	2,648	332	16	875	269	78	11	1,580	41	280	341	694	12	19	2	727
33	40.0%	282	240	1,980	169	2	26	0	2,648	328	15	875	269	78	11	1,576	40	280	339	687	12	19	2	720
34	41.3%	280	238	1,976	169	2	26	0	2,645	306	15	875	269	78	11	1,553	38	280	339	637	12	19	2	671
35	42.5%	273	237	1,976	169	2	26	0	2,641	304	15	875	269	78	11	1,551	37	280	337	635	12	19	2	669
36	43.8%	266	232	1,972	168	2	26	0	2,639	295	15	875	269	78	11	1,542	36	280	333	617	12	19	2	650
37	45.0%	262	230	1,972	167	2	26	0	2,638	268	15	875	269	78	11	1,515	33	280	332	561	12	19	2	594
38	46.3%	261	229	1,972	167	2	26	0	2,632	267	15	875	269	78	11	1,514	33	280	329	559	12	19	2	592
39	47.5%	257	228	1,970	167	2	26	0	2,631	265	15	875	269	78	11	1,512	33	280	326	554	12	19	2	587
40	48.8%	257	227	1,969	167	2	26	0	2,626	261	15	875	269	78	11	1,505	32	280	325	547	12	19	2	574
41	50.0%	242	226	1,965	165	2	26	0	2,625	258	15	875	269	78	11	1,505	32	280	325	540	12	19	2	572
42	51.3%	242	224	1,965	165	2	26	0	2,619	258	15	875	269	78	11	1,503	32	280	324	539	12	19	2	572
43	52.5%	240	224	1,960	165	2	26	0	2,617	255	15	875	269	78	11	1,495	31	280	321	534	12	19	2	568
44	53.8%	237	223	1,959	164	2	26	0	2,615	248	15	875	269	78	11	1,491	30	275	318	519	12	19	2	552
45	55.0%	233	221	1,956	164	2	26	0	2,611	244	15	875	269	78	11	1,490	30	275	317	509	12	19	2	543
46	56.3%	232	219	1,955	163	2	26	0	2,608	243	15	875	269	78	11	1,484	30	274	316	509	12	19	2	542
47	57.5%	229	218	1,955	163	2	25	0	2,600	237	15	875	269	78	11	1,482	29	274	314	496	12	19	2	529
48	58.8%	223	216	1,954	162	2	25	0	2,588	237	15	875	269	78	11	1,476	29	274	310	489	12	19	2	522
49	60.0%	216	206	1,952	162	2	25	0	2,583	229	15	875	269	78	11	1,471	28	274	309	480	12	19	2	513
50	61.3%	215	206	1,946	162	2	25	0	2,582	224	15	875	269	78	11	1,466	27	274	309	469	12	19	2	502
51	62.5%	204	206	1,928	161	2	25	0	2,565	219	15	875	269	78	11	1,460	27	273	307	459	12	19	2	493
52	63.8%	201	205	1,925	160	2	25	0	2,564	213	15	875	269	78	11	1,454	26	272	307	445	12	19	2	479
53	65.0%	188	203	1,925	160	2	25	0	2,559	207	15	875	269	75	11	1,452	26	271	307	432	12	19	2	466
54	66.3%	172	202	1,923	159	1	25	0	2,541	205	15	875	269	75	11	1,446	25	270	306	429	12	19	2	463
55	67.5%	167	197	1,917	159	1	25	0	2,523	199	15	875	269	75	11	1,444	25	268	305	415	12	19	2	448
56	68.8%	154	194	1,898	159	1	25	0	2,518	197	15	875	269	75	11	1,442	24	266	305	413	12	19	2	446
57	70.0%	139	192	1,896	157	1	25	0	2,512	194	15	875	269	75	11	1,441	24	263	305	406	12	19	2	439
58	71.3%	131	191	1,895	156	1	25	0	2,503	194	15	875	269	73	11	1,435	24	263	304	406	12	15	2	439
59	72.5%	125	190	1,892	156	1	25	0	2,476	188	15	875	269	53	11	1,432	23	262	303	394	12	13	2	427
60	73.8%	125	190	1,891	156	1	25	0	2,466	184	15	875	269	48	11	1,430	23	262	302	386	12	12	2	419
61	75.0%	121	189	1,880	156	1	25	0	2,458	183	15	875	269	43	11	1,421	23	261	301	382	12	10	2	416
62	76.3%	116	187	1,862	155	1	25	0	2,453	175	15	875	269	35	11	1,399	22	261	293	365	12	5	2	398
63	77.5%	115	181	1,862	154	1	25	0	2,453	152	15	875	269	32	11	1,397	18	261	292	318	12	5	2	351
64	78.8%	88	179	1,860	154	0	25	0	2,430	150	15	875	269	3	11	1,390	18	261	291	314	12	0	2	347
65	80.0%	88	178	1,843	153	0	25	0	2,429	144	15	875	269	3	11	1,386	18	261	290	298	12	0	2	331
66	81.3%	84	175	1,834	153	0	25	0	2,424	139	13	875	269	3	11	1,352	18	261	289	289	12	0	2	323
67	82.5%	64	174	1,829	153	0	25	0	2,370	106	13	875	269	3	11	1,329	13	260	288	221	12	0	2	255
68	83.8%	61	170	1,823	151	0	25	0	2,350	103	13	875	269	0	11	1,325	13	260	288	215	12	0	2	240
69	85.0%	55	170	1,823	150	0	25	0	2,326	84	13	875	269	0	11	1,306	11	259	286	178	12	0	2	211
70	86.3%	47	168	1,818	145	0	25	0	2,326	80	13	875	269	0	11	1,242	10	258	285	167	12	0	2	201
71	87.5%	45	161	1,803	144	0	25	0	2,318	76	12	875	269	0	11	1,242	9	258	285	159	12	0	2	184
72	88.8%	40	159	1,798	143	0	25	0	2,310	67	12	875	269	0	11	1,242	8	257	285	141	12	0	2	166
73	90.0%	36	153	1,794	130	0	21	0	2,280	62	12	674	202	0	11	1,217	8	256	284	130	9	0	2	163
74	91.3%	32	152	1,793	124	0	21	0	2,136	55	12	674	202	0	11	1,058	7	256	282	115	9	0	2	140
75	92.5%	25	147	1,783	120	0	21	0	2,105	42	11	674	202	0	11	1,030	5	256	280	88	9	0	2	113
76	93.8%	22	142	1,759	113	0	21	0	2,102	37	11	674	202	0	11	1,021	5	255	276	78	9	0	2	103
77	95.0%	17	135	1,752	111	0	21	0	2,097	28	11	674	202	0	11	1,008	3	248	274	59	9	0	2	84
78	96.3%	6	133	1,750	106	0	21	0	2,096	9	10	674	202	0	11	995	1	248	271	20	9	0	2	45
79	97.5%	0	132	1,748	101	0	21	0	2,090	0	10	674	202	0	11	990	0	248	269	0	9	0	2	33
80	98.8%	0	127	1,737	101	0	21	0	2,038	0	10	674	202	0	11	981	0	248	267	0	9	0	2	33
81	100.0%	0	123	1,735	99	0	21	0	2,009	0	10	674	202	0	11	961	0	245	256	0	9	0	2	33

Table WS-CVP-7m

			Alternative C							Alternative C						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,901	557	2,458	2,894	453	99	38	100%	79%	100%	100%	100%	100%	100%
1923	3	BN	1,070	495	1,565	2,878	448	99	38	67%	42%	92%	75%	100%	100%	100%
1924	5	C	141	486	627	2,467	324	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,297	496	1,793	2,736	444	0	137	58%	58%	83%	83%	100%	100%	100%
1926	4	D	304	527	831	2,755	437	0	137	13%	13%	63%	63%	100%	100%	100%
1927	1	W	1,528	522	2,050	2,851	437	96	41	100%	60%	100%	85%	100%	100%	100%
1928	2	AN	885	477	1,362	2,851	436	99	38	56%	35%	81%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	424	38	100	0%	0%	50%	50%	100%	100%	100%
1930	4	D	405	537	941	2,830	435	3	134	18%	18%	68%	68%	100%	100%	100%
1931	5	C	208	435	643	2,466	310	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	289	423	713	2,471	331	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	36	470	506	2,497	317	0	103	2%	2%	52%	52%	75%	77%	75%
1934	5	C	160	497	657	2,423	312	0	103	7%	7%	57%	57%	75%	77%	75%
1935	3	BN	327	428	755	2,770	451	0	137	16%	16%	66%	66%	100%	100%	100%
1936	3	BN	852	464	1,316	2,821	453	67	71	37%	37%	75%	75%	100%	100%	100%
1937	3	BN	791	479	1,270	2,831	470	96	42	35%	35%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,829	460	99	38	100%	100%	100%	100%	100%	100%	100%
1939	4	D	763	585	1,348	3,023	432	54	84	36%	33%	75%	75%	100%	100%	100%
1940	2	AN	1,168	520	1,688	2,792	434	99	38	89%	44%	100%	75%	100%	100%	100%
1941	1	W	2,039	547	2,586	2,678	456	99	39	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,934	538	2,471	2,735	452	99	39	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,817	543	2,360	2,855	454	99	38	78%	78%	100%	100%	100%	100%	100%
1944	4	D	570	479	1,048	2,839	441	99	38	25%	25%	75%	75%	100%	100%	100%
1945	3	BN	1,430	515	1,946	2,798	456	99	39	65%	62%	90%	87%	100%	100%	100%
1946	3	BN	1,348	520	1,868	2,944	452	99	39	79%	54%	100%	79%	100%	100%	100%
1947	4	D	984	468	1,451	2,878	440	62	75	43%	43%	75%	75%	100%	100%	100%
1948	3	BN	828	499	1,326	2,612	453	99	38	77%	30%	100%	75%	100%	100%	100%
1949	4	D	1,214	507	1,721	2,867	438	99	38	65%	51%	90%	76%	100%	100%	100%
1950	3	BN	740	479	1,218	2,897	453	99	39	32%	32%	75%	75%	100%	100%	100%
1951	2	AN	1,561	535	2,097	2,862	445	99	38	97%	62%	100%	87%	100%	100%	100%
1952	1	W	2,311	546	2,857	2,835	461	99	39	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,090	501	1,591	2,839	450	99	38	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,154	517	1,671	2,773	450	99	38	100%	41%	100%	75%	100%	100%	100%
1955	4	D	1,029	479	1,508	2,894	441	99	38	47%	44%	75%	75%	100%	100%	100%
1956	1	W	1,967	544	2,511	2,869	458	99	38	100%	81%	100%	100%	100%	100%	100%
1957	2	AN	730	503	1,233	2,847	448	99	39	68%	24%	93%	74%	100%	100%	100%
1958	1	W	2,279	543	2,822	2,718	463	99	38	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	824	606	1,430	2,958	441	100	38	66%	30%	91%	75%	100%	100%	100%
1960	4	D	741	516	1,257	2,858	437	99	38	32%	32%	75%	75%	100%	100%	100%
1961	4	D	955	470	1,425	2,856	438	3	134	48%	41%	75%	75%	100%	100%	100%
1962	3	BN	1,094	634	1,728	2,883	449	95	42	76%	42%	100%	75%	100%	100%	100%
1963	1	W	1,317	506	1,824	2,708	451	99	38	100%	50%	100%	75%	100%	100%	100%
1964	4	D	893	533	1,427	2,948	436	99	38	39%	39%	75%	75%	100%	100%	100%
1965	1	W	1,608	530	2,138	2,827	445	99	39	76%	76%	100%	100%	100%	100%	100%
1966	3	BN	1,095	518	1,612	2,937	450	99	38	93%	39%	100%	75%	100%	100%	100%
1967	1	W	2,289	541	2,830	2,693	456	99	39	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	822	593	1,415	2,829	457	99	38	64%	30%	89%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,878	462	99	38	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,452	510	1,963	2,890	443	99	38	68%	62%	93%	87%	100%	100%	100%
1971	1	W	930	505	1,435	2,941	446	98	39	91%	31%	100%	75%	100%	100%	100%
1972	3	BN	970	482	1,452	2,949	451	99	38	53%	40%	78%	75%	100%	100%	100%
1973	2	AN	1,408	529	1,936	2,847	453	99	39	99%	54%	100%	79%	100%	100%	100%
1974	1	W	2,019	540	2,560	2,800	461	99	38	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,472	513	1,985	2,872	458	99	38	100%	58%	100%	83%	100%	100%	100%
1976	5	C	236	510	746	3,008	444	100	38	10%	10%	60%	60%	100%	100%	100%
1977	5	C	107	467	574	2,421	312	0	103	5%	5%	55%	55%	75%	77%	75%
1978	2	AN	2,212	550	2,762	2,800	448	96	41	100%	96%	100%	100%	100%	100%	100%
1979	3	BN	1,302	505	1,807	2,844	459	99	38	62%	56%	87%	81%	100%	100%	100%
1980	2	AN	2,003	555	2,558	2,845	451	99	38	86%	86%	100%	100%	100%	100%	100%
1981	4	D	967	630	1,597	2,803	442	98	39	73%	36%	98%	75%	100%	100%	100%
1982	1	W	2,171	552	2,723	2,704	462	98	39	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,698	468	98	39	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,537	530	2,067	2,935	454	99	39	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,115	518	1,633	2,873	443	99	38	72%	44%	97%	75%	100%	100%	100%
1986	1	W	1,384	483	1,867	2,862	452	99	38	60%	60%	85%	85%	100%	100%	100%
1987	4	D	530	575	1,105	2,904	425	41	96	24%	24%	74%	74%	100%	100%	100%
1988	5	C	0	458	458	2,880	426	3	134	0%	0%	50%	50%	100%	100%	100%
1989	4	D	548	463	1,011	2,855	431	0	137	25%	25%	75%	75%	100%	100%	100%
1990	5	C	0	454	454	2,894	434	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	515	771	2,426	335	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	392	480	872	2,409	322	0	103	17%	17%	67%	67%	75%	77%	75%
1993	2	AN	1,686	548	2,233	2,767	446	96	42	91%	71%	100%	96%	100%	100%	100%
1994	5	C	1,055	612	1,666	2,432	340	0	103	60%	42%	85%	75%	75%	77%	75%
1995	1	W	2,272	543	2,816	2,771	458	98	39	100%	99%	100%	100%	100%	100%	100%
1996	1	W	1,657	530	2,187	2,736	446	99	39	100%	70%	100%	95%	100%	100%	100%
1997	1	W	1,754	525	2,280	2,930	451	91	47	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,139	549	2,688	2,658	467	98	39	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,305	487	1,792	2,847	448	99	38	100%	49%	100%	75%	100%	100%	100%
2000	2	AN	1,413	505	1,918	2,766	444	99	38	100%	55%	100%	80%	100%	100%	100%
2001	4	D	780	593	1,373	2,834	434	99	38	34%	34%	75%	75%	100%	100%	100%
2002	4	D	891	586	1,477	2,933	440	3	134	72%	32%	97%	75%	100%	100%	100%

Table WS-CVP-7m

		Alternative C							Alternative C						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,157	519	1,675	2,795	434	74	60	63%	48%	86%	80%	97%	97%	97%
MIN:		0	423	454	2,409	310	0	38	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	634	2,868	3,023	470	100	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	226	482	709	2,672	376	13	107	10%	10%	60%	60%	88%	88%	88%
	W	1,816	530	2,346	2,806	455	98	39	94%	77%	99%	93%	100%	100%	100%
	AN	1,465	527	1,992	2,822	446	99	39	90%	59%	98%	86%	100%	100%	100%
AVG:	BN	964	516	1,479	2,854	453	89	48	59%	39%	87%	76%	100%	100%	100%
	D	793	521	1,314	2,842	431	53	82	41%	33%	78%	74%	99%	99%	99%
	C	216	488	704	2,604	358	12	103	11%	9%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	634	2,868	3,023	470	100	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	630	2,860	3,008	468	100	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,311	612	2,857	2,958	467	99	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	606	2,857	2,949	463	99	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,289	593	2,830	2,948	462	99	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,279	593	2,822	2,944	462	99	134	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,272	586	2,816	2,941	461	99	134	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,212	585	2,762	2,937	461	99	134	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,171	575	2,723	2,935	460	99	134	100%	99%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,688	2,933	459	99	103	100%	96%	100%	100%	100%	100%	100%
11	12.5%	2,039	556	2,586	2,930	458	99	103	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,019	555	2,560	2,920	458	99	103	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,003	552	2,558	2,904	458	99	103	100%	86%	100%	100%	100%	100%	100%
14	16.3%	1,967	550	2,511	2,897	457	99	103	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,934	549	2,471	2,894	456	99	103	100%	81%	100%	100%	100%	100%	100%
16	18.8%	1,901	548	2,458	2,894	456	99	103	100%	79%	100%	100%	100%	100%	100%
17	20.0%	1,817	548	2,360	2,894	456	99	103	100%	79%	100%	100%	100%	100%	100%
18	21.3%	1,754	547	2,280	2,890	454	99	103	100%	78%	100%	100%	100%	100%	100%
19	22.5%	1,686	546	2,233	2,883	454	99	100	100%	76%	100%	100%	100%	100%	100%
20	23.8%	1,657	544	2,187	2,880	453	99	96	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,608	543	2,138	2,878	453	99	84	100%	70%	100%	95%	100%	100%	100%
22	26.3%	1,561	543	2,097	2,878	453	99	75	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,537	543	2,067	2,878	453	99	71	100%	62%	100%	87%	100%	100%	100%
24	28.8%	1,528	541	2,050	2,873	453	99	47	99%	62%	100%	87%	100%	100%	100%
25	30.0%	1,472	540	1,985	2,872	452	99	42	97%	62%	100%	87%	100%	100%	100%
26	31.3%	1,452	540	1,963	2,869	452	99	42	94%	60%	100%	85%	100%	100%	100%
27	32.5%	1,430	538	1,946	2,867	452	99	42	93%	60%	100%	85%	100%	100%	100%
28	33.8%	1,413	537	1,936	2,862	451	99	41	91%	58%	100%	83%	100%	100%	100%
29	35.0%	1,408	535	1,918	2,862	451	99	41	91%	58%	100%	83%	100%	100%	100%
30	36.3%	1,384	533	1,868	2,858	451	99	39	89%	56%	100%	81%	100%	100%	100%
31	37.5%	1,348	530	1,867	2,856	451	99	39	86%	55%	100%	80%	100%	100%	100%
32	38.8%	1,317	530	1,824	2,855	451	99	39	79%	54%	100%	79%	100%	100%	100%
33	40.0%	1,305	530	1,807	2,855	450	99	39	79%	54%	100%	79%	100%	100%	100%
34	41.3%	1,302	529	1,793	2,851	450	99	39	78%	51%	100%	76%	100%	100%	100%
35	42.5%	1,297	527	1,792	2,851	450	99	39	77%	50%	100%	75%	100%	100%	100%
36	43.8%	1,214	525	1,728	2,847	449	99	39	76%	49%	100%	75%	100%	100%	100%
37	45.0%	1,168	522	1,721	2,847	448	99	39	76%	44%	100%	75%	100%	100%	100%
38	46.3%	1,154	520	1,688	2,847	448	99	39	73%	44%	98%	75%	100%	100%	100%
39	47.5%	1,115	520	1,671	2,845	448	99	39	72%	44%	97%	75%	100%	100%	100%
40	48.8%	1,095	518	1,666	2,844	448	99	39	72%	43%	97%	75%	100%	100%	100%
41	50.0%	1,094	518	1,633	2,839	446	99	39	68%	42%	93%	75%	100%	100%	100%
42	51.3%	1,090	517	1,612	2,839	446	99	39	68%	42%	93%	75%	100%	100%	100%
43	52.5%	1,070	516	1,597	2,835	446	99	39	67%	42%	92%	75%	100%	100%	100%
44	53.8%	1,055	515	1,591	2,834	445	99	39	66%	41%	91%	75%	100%	100%	100%
45	55.0%	1,029	515	1,565	2,831	445	99	39	65%	41%	90%	75%	100%	100%	100%
46	56.3%	984	513	1,508	2,830	444	99	39	65%	40%	90%	75%	100%	100%	100%
47	57.5%	970	510	1,477	2,829	444	98	39	64%	39%	89%	75%	100%	100%	100%
48	58.8%	967	510	1,452	2,829	444	98	38	62%	39%	87%	75%	100%	100%	100%
49	60.0%	955	507	1,451	2,827	443	98	38	60%	38%	85%	75%	100%	100%	100%
50	61.3%	930	506	1,435	2,821	443	98	38	60%	37%	85%	75%	100%	100%	100%
51	62.5%	893	505	1,430	2,803	442	98	38	58%	36%	83%	75%	100%	100%	100%
52	63.8%	891	505	1,427	2,800	441	98	38	56%	35%	81%	75%	100%	100%	100%
53	65.0%	885	505	1,425	2,800	441	96	38	53%	35%	78%	75%	100%	100%	100%
54	66.3%	852	503	1,415	2,798	441	96	38	48%	34%	75%	75%	100%	100%	100%
55	67.5%	828	501	1,373	2,792	440	96	38	47%	33%	75%	75%	100%	100%	100%
56	68.8%	824	499	1,362	2,773	440	96	38	43%	32%	75%	75%	100%	100%	100%
57	70.0%	822	497	1,348	2,771	438	95	38	39%	32%	75%	75%	100%	100%	100%
58	71.3%	791	496	1,326	2,770	438	91	38	37%	32%	75%	75%	100%	100%	100%
59	72.5%	780	495	1,316	2,767	437	67	38	36%	31%	75%	75%	100%	100%	100%
60	73.8%	763	487	1,270	2,766	437	62	38	35%	30%	75%	75%	100%	100%	100%
61	75.0%	741	486	1,257	2,755	437	54	38	34%	30%	75%	75%	100%	100%	100%
62	76.3%	740	483	1,233	2,736	436	41	38	32%	30%	75%	75%	100%	100%	100%
63	77.5%	730	482	1,218	2,736	436	38	38	32%	25%	75%	75%	100%	100%	100%
64	78.8%	570	480	1,105	2,735	435	3	38	25%	25%	75%	75%	100%	100%	100%
65	80.0%	548	479	1,048	2,718	434	3	38	25%	24%	75%	74%	100%	100%	100%
66	81.3%	530	479	1,011	2,708	434	3	38	24%	24%	74%	74%	100%	100%	100%
67	82.5%	405	479	941	2,704	434	3	38	18%	18%	68%	68%	100%	100%	100%
68	83.8%	392	479	872	2,698	432	0	38	17%	17%	67%	67%	100%	100%	100%
69	85.0%	327	477	831	2,693	431	0	38	16%	16%	66%	66%	100%	100%	100%
70	86.3%	304	470	771	2,678	426	0	38	13%	13%	63%	63%	100%	100%	100%
71	87.5%	289	470	755	2,658	425	0	38	12%	12%	62%	62%	100%	100%	100%
72	88.8%	256	468	746	2,612	424	0	38	11%	11%	61%	61%	100%	100%	100%
73	90.0%	236	467	713	2,497	340	0	38	10%	10%	60%	60%	75%	77%	75%
74	91.3%	208	467	657	2,471	335	0	38	9%	9%	59%	59%	75%	77%	75%
75	92.5%	160	464	643	2,467	331	0	38	7%	7%	57%	57%	75%	77%	75%
76	93.8%	141	463	627	2,466	324	0	38	6%	6%	56%	56%	75%	77%	75%
77	95.0%	107	458	574	2,432	322	0	38	5%	5%	55%	55%	75%	77%	75%
78	96.3%	36	454	506	2,426	317	0	38	2%	2%	52%	52%	75%	77%	75%
79	97.5%	0	435	467	2,423	312	0	38	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	428	458	2,421	312	0	38	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	423	454	2,409	310	0	38	0%	0%	50%	50%	75%	77%	75%

Table WS-CVP-7n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,821	71	285	356	1,187	12	0	21	1,220
1979	3	BN	173	196	1,962	171	0	28	0	2,530	290	15	875	269	0	89	1,537	36	261	297	605	12	0	21	639
1980	2	AN	270	243	1,970	166	0	28	0	2,677	460	20	875	269	0	89	1,713	57	288	344	965	12	0	21	998
1981	4	D	248	241	1,916	160	0	28	0	2,593	244	15	875	269	0	89	1,492	30	368	398	512	12	0	21	545
1982	1	W	328	251	1,822	188	0	28	0	2,617	609	20	875	269	0	89	1,861	75	280	355	1,148	12	0	21	1,182
1983	1	W	338	256	1,820	188	0	28	0	2,630	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1984	1	W	316	253	2,053	164	0	28	0	2,814	380	17	875	269	0	89	1,629	47	264	310	716	12	0	21	749
1985	4	D	238	220	1,997	162	0	28	0	2,644	280	15	875	269	0	89	1,527	34	274	308	587	12	0	21	620
1986	1	W	212	208	1,981	169	0	28	0	2,598	358	17	875	269	0	89	1,607	44	258	303	749	12	0	21	782
1987	4	D	76	181	2,026	136	0	28	0	2,446	124	14	875	269	0	89	1,370	16	366	382	258	12	0	21	291
1988	5	C	0	128	2,011	130	0	28	0	2,297	0	10	875	269	0	89	1,242	0	316	316	0	12	0	21	33
1989	4	D	87	177	1,979	157	0	28	0	2,428	142	15	875	269	0	89	1,388	18	270	288	294	12	0	21	327
1990	5	C	0	135	2,014	137	0	28	0	2,313	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	167	1,721	115	0	21	0	2,064	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	57	157	1,716	107	0	21	0	2,058	97	11	674	202	0	66	1,050	12	291	303	176	9	0	16	201
1993	2	AN	228	229	1,891	160	0	28	0	2,537	316	16	875	269	0	89	1,564	39	259	298	660	12	0	21	693
1994	5	C	212	201	1,734	118	0	21	0	2,285	340	14	674	202	0	66	1,296	36	395	431	700	9	0	16	725
1995	1	W	353	238	1,890	176	0	28	0	2,685	587	20	875	269	0	89	1,839	73	280	352	1,226	12	0	21	1,260
1996	1	W	343	241	1,853	165	0	28	0	2,629	437	17	875	269	0	89	1,686	54	275	328	878	12	0	21	911
1997	1	W	257	225	2,052	167	0	28	0	2,730	439	19	875	269	0	89	1,691	54	276	330	921	12	0	21	954
1998	1	W	312	257	1,780	183	0	28	0	2,560	608	20	875	269	0	89	1,860	75	280	355	1,144	12	0	21	1,178
1999	1	W	357	224	1,969	152	0	28	0	2,731	329	16	875	269	0	89	1,577	41	253	294	689	12	0	21	722
2000	2	AN	339	231	1,871	153	0	28	0	2,622	332	16	875	269	0	89	1,580	41	261	302	693	12	0	21	727
2001	4	D	93	192	1,954	140	0	28	0	2,407	159	15	875	269	0	89	1,406	20	386	405	332	12	0	21	365
2002	4	D	248	239	2,064	157	0	28	0	2,736	214	15	875	269	0	89	1,461	26	327	353	448	12	0	21	481

Table WS-CVP-7n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	**Probability of Exceedence**																							
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	722
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	688	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,622	327	15	875	269	0	89	1,564	39	280	335	660	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542	12	0	21	576
43	52.5%	226	219	1,956	159	0	28	0	2,593	253	15	875	269	0	89	1,498	31	277	321	529	12	0	21	563
44	53.8%	224	217	1,954	159	0	28	0	2,585	251	15	875	269	0	89	1,498	31	276	318	526	12	0	21	559
45	55.0%	220	212	1,954	158	0	28	0	2,575	251	15	875	269	0	89	1,496	31	275	317	525	12	0	21	558
46	56.3%	214	208	1,949	158	0	28	0	2,574	251	15	875	269	0	89	1,492	30	274	316	513	12	0	21	546
47	57.5%	212	205	1,947	157	0	28	0	2,560	244	15	875	269	0	89	1,479	29	274	310	512	12	0	21	545
48	58.8%	212	205	1,946	157	0	28	0	2,540	232	15	875	269	0	89	1,479	29	274	310	485	12	0	21	518
49	60.0%	203	202	1,943	157	0	28	0	2,537	232	15	875	269	0	89	1,464	27	274	308	484	12	0	21	518
50	61.3%	186	201	1,942	157	0	28	0	2,532	217	15	875	269	0	89	1,464	27	272	304	455	12	0	21	488
51	62.5%	180	196	1,931	157	0	28	0	2,530	217	15	875	269	0	89	1,461	27	270	303	453	12	0	21	487
52	63.8%	174	196	1,921	156	0	28	0	2,508	214	15	875	269	0	89	1,459	27	268	303	448	12	0	21	481
53	65.0%	173	196	1,918	156	0	28	0	2,501	212	15	875	269	0	89	1,448	26	267	303	441	12	0	21	475
54	66.3%	172	195	1,916	156	0	28	0	2,498	201	15	875	269	0	89	1,445	25	264	303	420	12	0	21	453
55	67.5%	152	195	1,906	155	0	28	0	2,495	198	15	875	269	0	89	1,442	24	263	302	414	12	0	21	447
56	68.8%	138	194	1,897	154	0	28	0	2,486	195	15	875	269	0	89	1,437	24	262	300	407	12	0	21	441
57	70.0%	111	194	1,891	153	0	28	0	2,482	190	15	875	269	0	89	1,425	23	261	299	397	12	0	21	431
58	71.3%	108	192	1,891	153	0	28	0	2,482	178	15	875	269	0	89	1,421	22	261	299	371	12	0	21	404
59	72.5%	104	190	1,890	153	0	28	0	2,480	174	15	875	269	0	89	1,408	22	261	298	363	12	0	21	396
60	73.8%	95	189	1,880	152	0	28	0	2,456	161	15	875	269	0	89	1,406	20	261	297	336	12	0	21	369
61	75.0%	93	187	1,871	151	0	28	0	2,446	159	14	875	269	0	89	1,401	20	261	297	332	12	0	21	365
62	76.3%	90	182	1,870	150	0	28	0	2,443	154	14	875	269	0	89	1,398	19	261	297	323	12	0	21	357
63	77.5%	88	181	1,854	150	0	28	0	2,434	150	14	875	269	0	89	1,388	19	261	294	315	12	0	21	348
64	78.8%	87	179	1,853	150	0	28	0	2,428	142	14	875	269	0	89	1,371	18	261	293	294	12	0	21	327
65	80.0%	76	179	1,837	150	0	28	0	2,407	125	14	875	269	0	89	1,370	16	260	293	261	12	0	21	295
66	81.3%	73	179	1,829	146	0	28	0	2,397	124	13	875	269	0	89	1,358	15	259	292	258	12	0	21	291
67	82.5%	73	177	1,822	141	0	28	0	2,337	112	13	875	269	0	89	1,334	15	259	292	238	12	0	21	271
68	83.8%	57	173	1,820	140	0	28	0	2,336	97	13	875	269	0	89	1,314	12	259	291	186	12	0	21	220
69	85.0%	52	167	1,817	137	0	28	0	2,322	89	12	875	269	0	89	1,296	11	258	288	176	12	0	21	201
70	86.3%	43	159	1,802	136	0	28	0	2,313	74	12	875	269	0	89	1,284	9	258	285	154	12	0	21	179
71	87.5%	42	157	1,783	134	0	28	0	2,297	70	12	875	269	0	89	1,242	9	257	285	145	12	0	21	179
72	88.8%	40	156	1,780	130	0	28	0	2,285	67	12	875	269	0	89	1,242	8	256	283	141	12	0	21	166
73	90.0%	29	152	1,774	123	0	21	0	2,278	49	12	674	202	0	66	1,242	6	256	281	103	9	0	16	128
74	91.3%	27	149	1,772	118	0	21	0	2,093	47	11	674	202	0	66	1,050	6	256	280	98	9	0	16	123
75	92.5%	25	148	1,753	115	0	21	0	2,075	43	11	674	202	0	66	1,028	5	256	280	89	9	0	16	118
76	93.8%	24	144	1,734	112	0	21	0	2,069	40	11	674	202	0	66	1,021	5	255	279	85	9	0	16	114
77	95.0%	14	135	1,722	108	0	21	0	2,064	25	11	674	202	0	66	1,002	3	253	273	52	9	0	16	77
78	96.3%	5	133	1,721	107	0	21	0	2,058	8	10	674	202	0	66	1,000	1	250	273	17	9	0	16	42
79	97.5%	0	132	1,716	94	0	21	0	2,052	0	10	674	202	0	66	996	0	248	267	0	9	0	16	33
80	98.8%	0	128	1,679	93	0	21	0	1,959	0	10	674	202	0	66	977	0	248	266	0	9	0	16	33
81	100.0%	0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33

Table WS-CVP-7o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-7o

		No Action Alternative							No Action Alternative						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
AVG:	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	467	783	2,677	417	0	137	12%	12%	62%	62%	100%	100%	100%
71	87.5%	267	467	779	2,654	415	0	137	12%	12%	62%	62%	100%	100%	100%
72	88.8%	256	465	702	2,597	411	0	137	11%	11%	61%	61%	100%	100%	100%
73	90.0%	187	465	677	2,456	334	0	103	8%	8%	58%	58%	75%	77%	75%
74	91.3%	177	464	655	2,448	329	0	103	8%	8%	58%	58%	75%	77%	75%
75	92.5%	162	462	652	2,445	326	0	103	7%	7%	57%	57%	75%	77%	75%
76	93.8%	154	462	619	2,427	323	0	103	7%	7%	57%	57%	75%	77%	75%
77	95.0%	94	460	566	2,408	319	0	103	4%	4%	54%	54%	75%	77%	75%
78	96.3%	31	454	498	2,395	318	0	103	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	444	467	2,390	305	0	103	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	432	462	2,353	304	0	103	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%

Alternative D Compared to No Action Alternative

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Table WS-SWP-9a

Alternative D
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	65%	65%	96%
Water Year Types[2]			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	36%	36%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,610	93	49
Water Year Types[2]			
Wet (32%)	3,189	132	90
Above Normal (15%)	2,744	52	58
Below Normal (17%)	2,633	127	30
Dry (22%)	2,416	66	18
Critical (15%)	1,500	46	22

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	697	2,056	2,753
Water Year Types[2]			
Wet (32%)	893	2,518	3,411
Above Normal (15%)	739	2,115	2,854
Below Normal (17%)	685	2,106	2,791
Dry (22%)	611	1,890	2,501
Critical (15%)	380	1,188	1,568

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	951
Water Year Types[2]	
Wet (32%)	975
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	783

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	24	4	207	46	685	88	279	9	1,412
Water Year Types[2]									
Wet (32%)	30	5	257	57	877	109	339	11	1,726
Above Normal (15%)	26	4	220	49	726	93	280	9	1,448
Below Normal (17%)	24	4	211	46	673	88	289	8	1,448
Dry (22%)	21	3	184	41	600	79	261	8	1,303
Critical (15%)	13	2	117	25	374	49	165	5	819

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9b

No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	62%	62%	96%
Water Year Types[2]			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,496	91	51
Water Year Types[2]			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	670	1,969	2,639
Water Year Types[2]			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	950
Water Year Types[2]	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	23	4	199	44	658	84	267	8	1,353
Water Year Types[2]									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9c

Difference: Alternative D minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	3%	3%	0%
Water Year Types[2]			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	6%	6%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	114	2	-2
Water Year Types[2]			
Wet (32%)	56	8	9
Above Normal (15%)	14	-15	15
Below Normal (17%)	40	7	-15
Dry (22%)	214	4	-13
Critical (15%)	266	-6	-8

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	28	86	114
Water Year Types[2]			
Wet (32%)	20	53	73
Above Normal (15%)	12	2	14
Below Normal (17%)	4	29	32
Dry (22%)	43	162	205
Critical (15%)	63	190	253

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	1
Water Year Types[2]	
Wet (32%)	-1
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	11

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	1	0	9	2	27	4	12	0	59
Water Year Types[2]									
Wet (32%)	1	0	5	1	20	2	8	0	37
Above Normal (15%)	0	0	2	0	12	1	-2	0	1
Below Normal (17%)	1	0	4	1	4	2	5	0	16
Dry (22%)	2	0	13	3	42	6	25	1	113
Critical (15%)	2	0	20	5	62	9	27	1	127

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9d

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	62%	670
Alternative D	65%	697
Difference	3%	28
Percent Difference[3]		4.1%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	80%	873
Alternative D	81%	893
Difference	1%	20
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative D	69%	739
Difference	0%	12
Percent Difference		1.6%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative D	65%	685
Difference	1%	4
Percent Difference		0.6%
Dry (22%)		
No Action Alternative	54%	568
Alternative D	59%	611
Difference	5%	43
Percent Difference		7.5%
Critical (15%)		
No Action Alternative	30%	318
Alternative D	36%	380
Difference	6%	63
Percent Difference		19.7%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

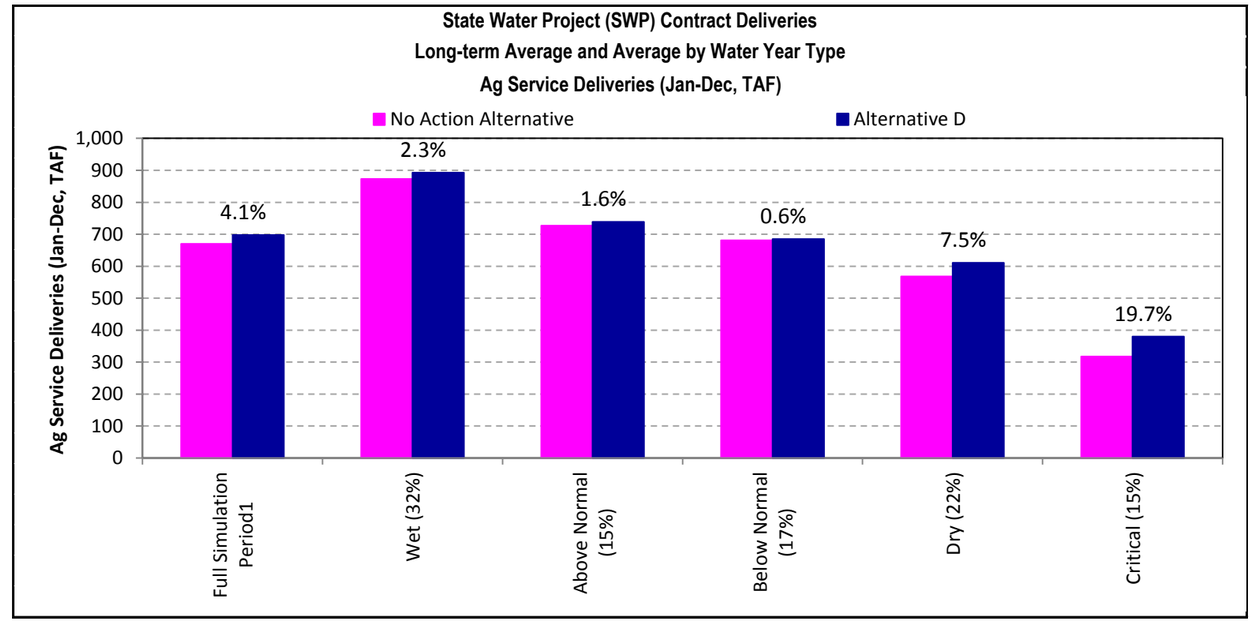

Figure WS-CVP-9e

State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

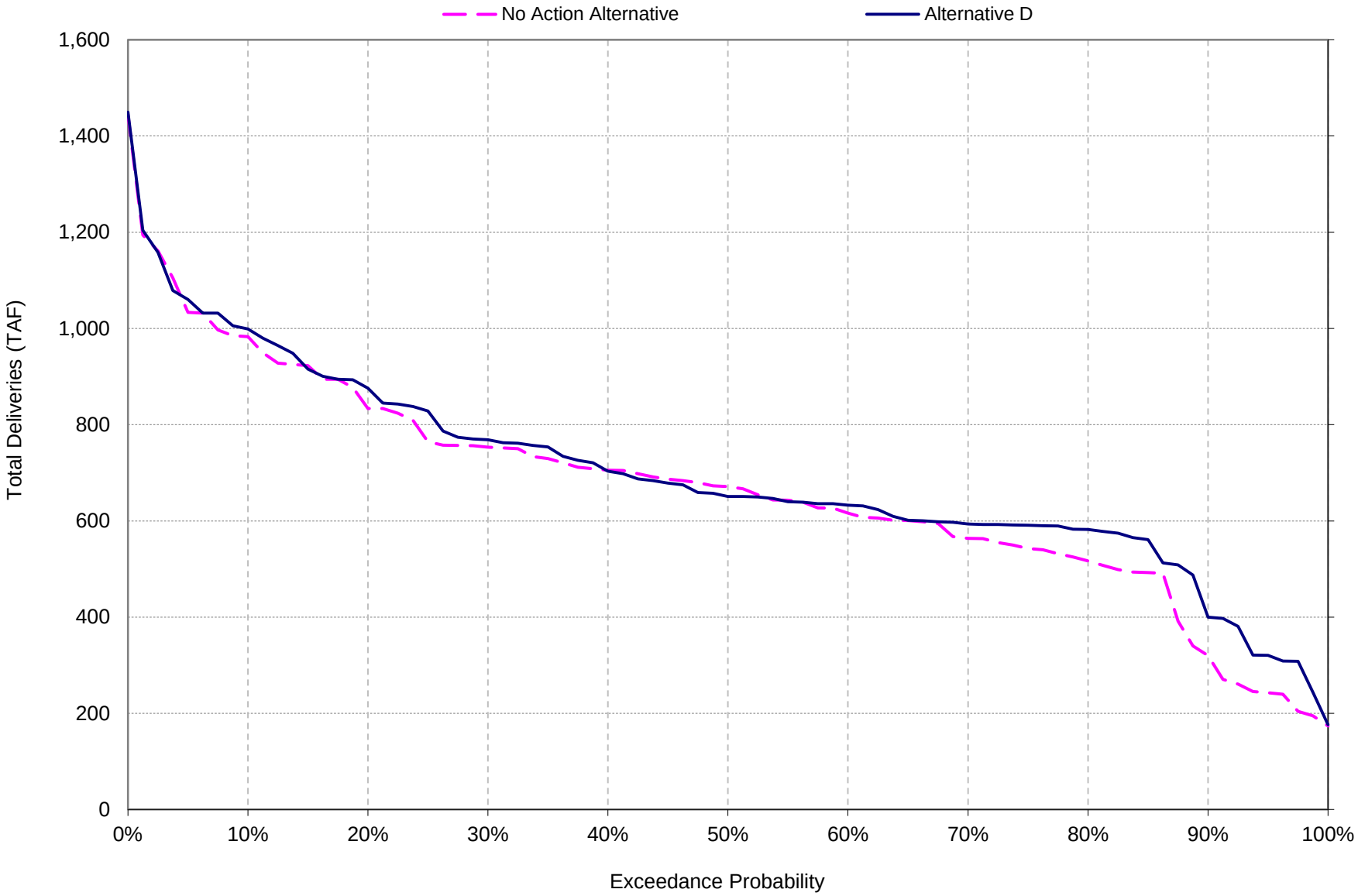

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Table WS-SWP-9f

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
	Long-term	
Full Simulation Period[1]		
No Action Alternative	62%	1,969
Alternative D	65%	2,056
Difference	3%	86
Percent Difference[3]		4.4%
	Water Year Types[2]	
Wet (32%)		
No Action Alternative	80%	2,466
Alternative D	81%	2,518
Difference	1%	53
Percent Difference		2.1%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative D	69%	2,115
Difference	0%	2
Percent Difference		0.1%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative D	65%	2,106
Difference	1%	29
Percent Difference		1.4%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative D	59%	1,890
Difference	5%	162
Percent Difference		9.4%
Critical (15%)		
No Action Alternative	30%	998
Alternative D	36%	1,188
Difference	6%	190
Percent Difference		19.0%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

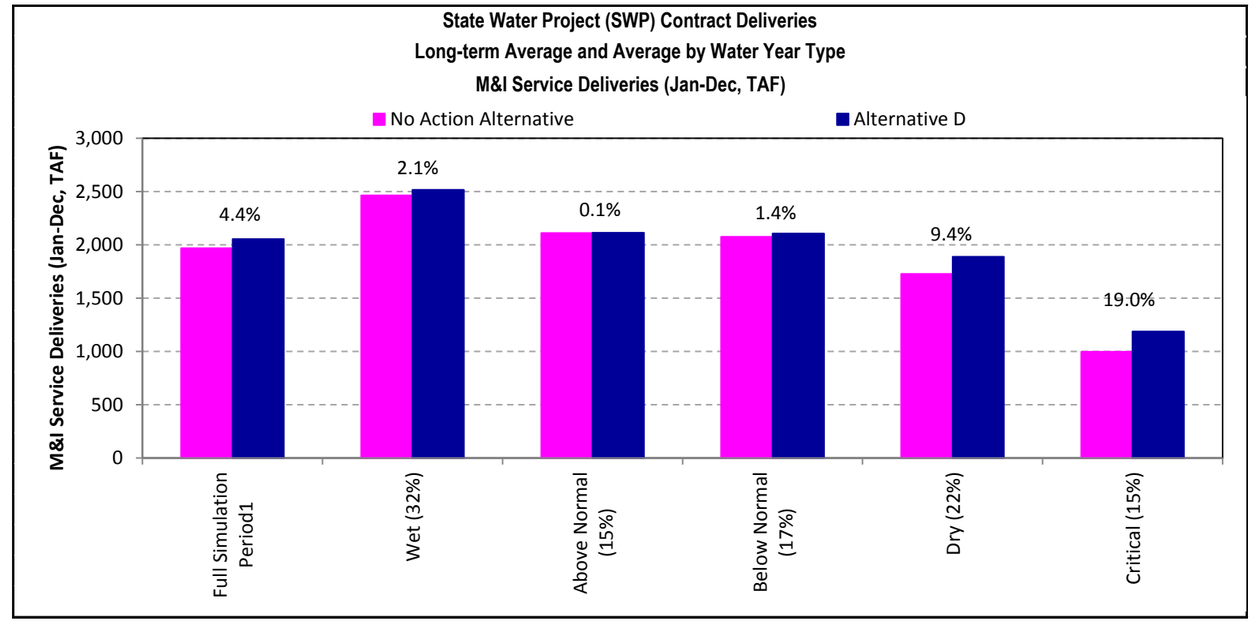

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Figure WS-CVP-9g

State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

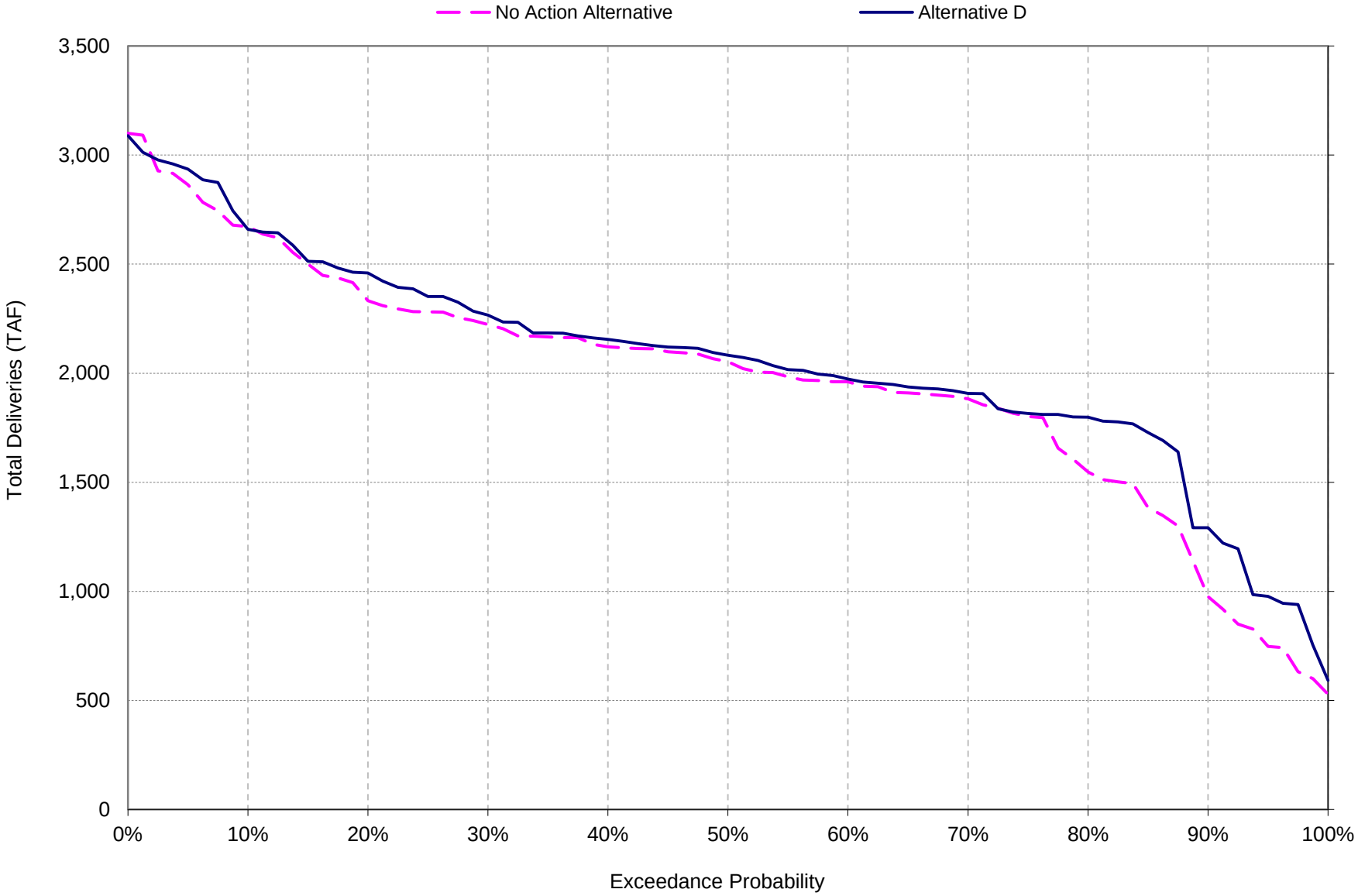

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Table WS-SWP-9h

State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	96%	950
Alternative D	96%	951
Difference	0%	1
Percent Difference[3]		0.1%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	976
Alternative D	100%	975
Difference	0%	-1
Percent Difference		-0.1%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative D	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative D	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative D	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative D	75%	783
Difference	0%	11
Percent Difference		1.4%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
3 Relative difference of the monthly average

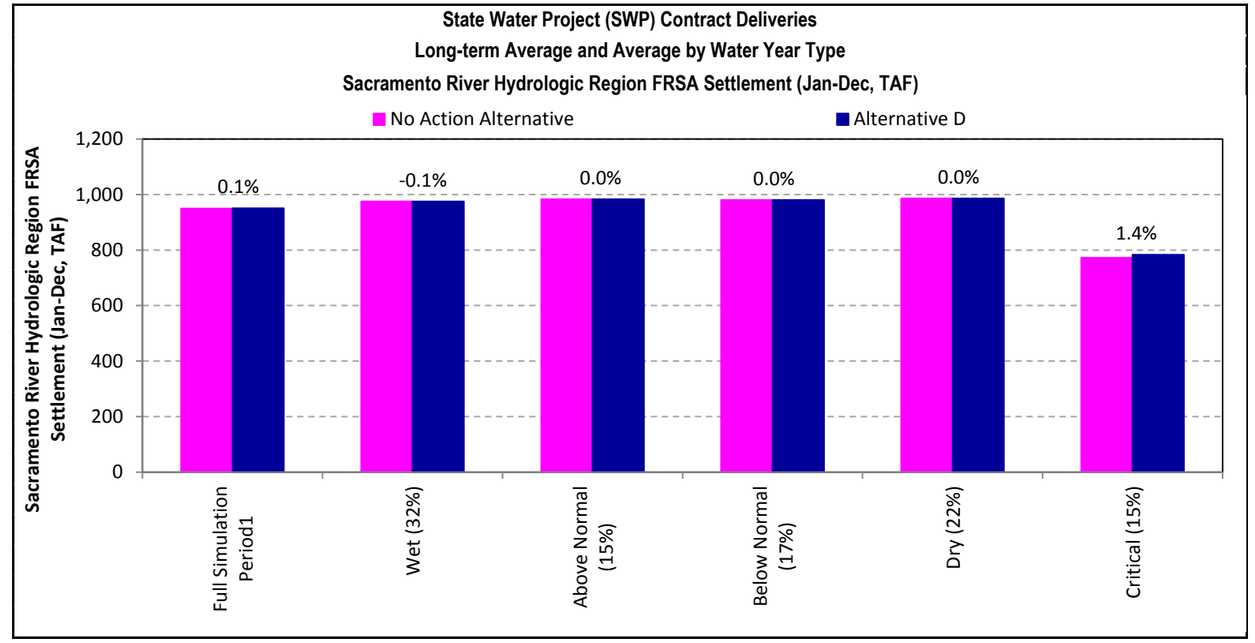

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Figure WS-CVP-9i

State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart

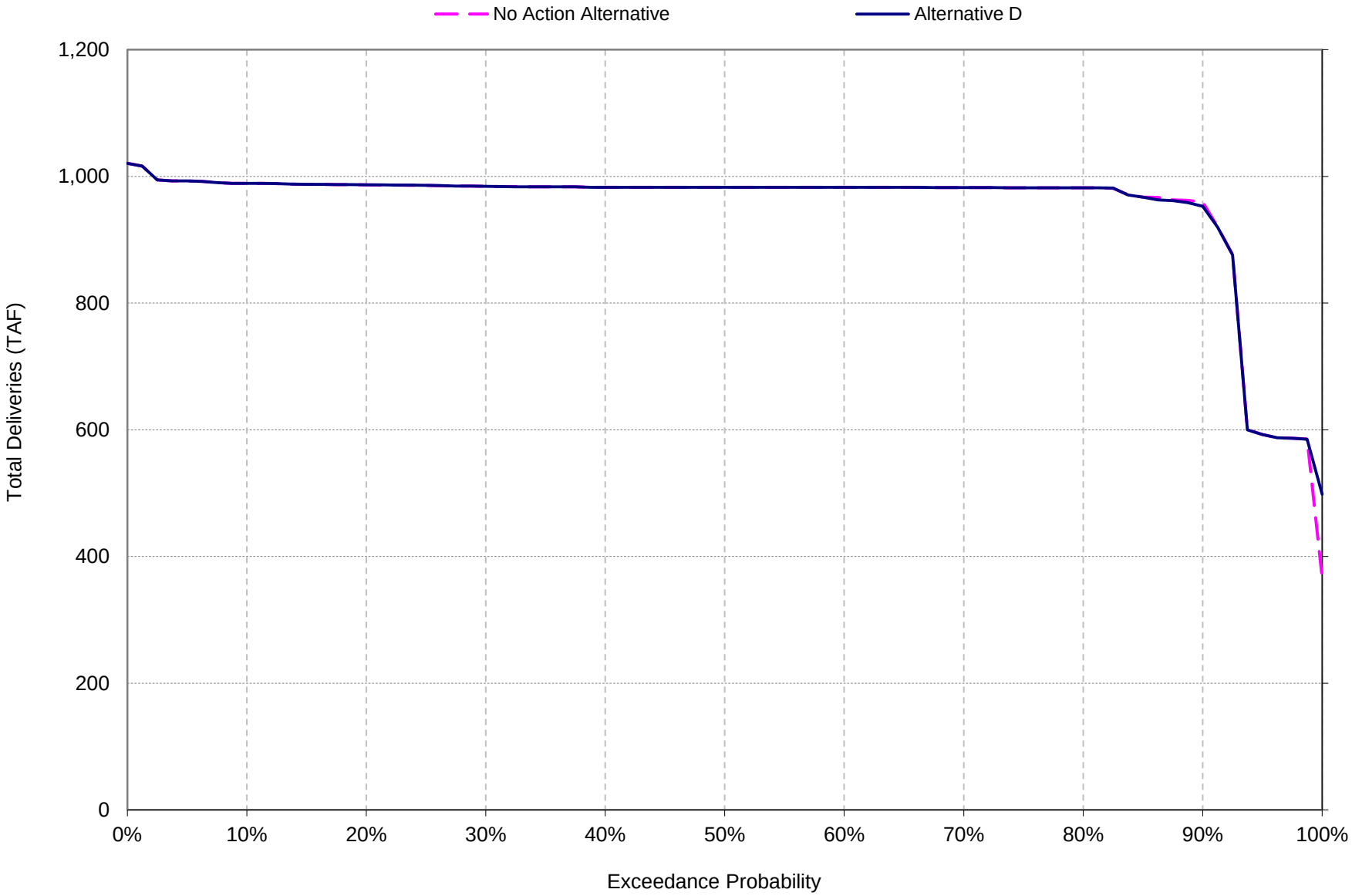

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Table WS-SWP-9j

Year	Sacramento Valley 40-30-30 Index		Alternative D																				
			State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
			Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	224	49	708	94	802	261	9	1,362	1,371	721	2,016	2,737	70%	70%	100%	2,721	0	16
1923	3	BN	994	23	3	203	43	620	82	702	296	8	1,447	1,455	631	2,095	2,726	61%	61%	100%	2,519	187	20
1924	5	C	585	13	2	122	26	374	50	424	165	5	820	824	381	1,195	1,576	37%	37%	50%	1,539	28	10
1925	4	D	983	20	3	186	40	581	77	658	247	7	1,239	1,247	591	1,811	2,402	57%	57%	100%	2,386	0	16
1926	4	D	989	20	3	168	41	588	78	666	251	7	1,254	1,261	598	1,811	2,409	58%	58%	100%	2,402	1	6
1927	1	W	982	23	4	202	44	638	85	723	259	8	1,315	1,323	650	1,928	2,578	63%	63%	100%	2,563	1	14
1928	2	AN	983	24	4	204	45	647	86	733	271	8	1,368	1,376	659	1,997	2,656	64%	64%	100%	2,585	59	12
1929	5	C	987	14	2	126	27	390	52	442	181	5	892	897	398	1,292	1,690	39%	39%	100%	1,605	75	10
1930	4	D	983	20	3	169	40	572	76	648	243	7	1,220	1,227	582	1,768	2,350	56%	56%	100%	2,341	0	8
1931	5	C	592	10	2	96	21	303	40	344	130	4	647	651	309	945	1,254	30%	30%	50%	1,245	1	8
1932	4	D	989	18	3	169	35	589	68	657	217	8	1,132	1,140	600	1,640	2,240	50%	50%	100%	2,088	0	152
1933	5	C	988	13	2	140	27	478	52	530	169	7	890	897	487	1,292	1,780	39%	39%	100%	1,616	1	163
1934	5	C	587	11	2	93	21	302	40	343	130	4	645	649	308	940	1,248	30%	30%	50%	1,237	0	10
1935	3	BN	983	26	4	231	53	757	100	857	279	9	1,457	1,466	770	2,146	2,917	75%	75%	100%	2,907	0	10
1936	3	BN	987	24	4	215	48	686	91	777	301	9	1,504	1,513	698	2,183	2,882	68%	68%	100%	2,669	200	12
1937	3	BN	982	31	5	273	61	899	117	1,015	354	12	1,811	1,823	916	2,647	3,562	87%	87%	100%	3,376	147	39
1938	1	W	982	35	6	299	68	981	130	1,112	410	12	2,070	2,082	999	3,013	4,012	97%	97%	100%	3,771	231	10
1939	4	D	1,016	22	3	182	40	579	77	656	301	7	1,437	1,445	590	2,059	2,649	57%	57%	100%	2,380	259	10
1940	2	AN	982	23	4	204	45	646	86	731	260	8	1,320	1,328	657	1,937	2,595	64%	64%	100%	2,579	1	14
1941	1	W	970	30	5	247	58	830	110	940	323	10	1,654	1,665	845	2,422	3,267	82%	82%	100%	3,190	75	2
1942	1	W	983	28	4	237	52	749	99	849	322	9	1,612	1,621	763	2,351	3,114	74%	74%	100%	2,880	218	16
1943	1	W	983	30	5	256	57	814	108	922	341	10	1,722	1,732	828	2,513	3,341	80%	80%	100%	3,127	198	16
1944	4	D	984	21	3	184	42	599	80	678	299	8	1,447	1,455	610	2,072	2,681	59%	59%	100%	2,456	215	10
1945	3	BN	982	27	4	243	53	861	100	962	281	10	1,530	1,541	876	2,234	3,110	75%	75%	100%	2,908	1	201
1946	3	BN	983	24	4	210	44	639	85	724	300	8	1,473	1,481	651	2,136	2,787	63%	63%	100%	2,566	200	20
1947	4	D	983	24	4	207	46	666	88	755	271	8	1,376	1,384	679	2,013	2,691	66%	66%	100%	2,628	54	10
1948	3	BN	920	20	3	186	40	582	77	659	269	7	1,328	1,335	592	1,921	2,513	57%	57%	100%	2,389	110	14
1949	4	D	984	21	3	174	40	581	77	658	248	7	1,239	1,246	591	1,799	2,390	57%	57%	100%	2,379	1	10
1950	3	BN	982	20	3	188	39	568	75	643	242	7	1,212	1,219	578	1,777	2,356	56%	56%	100%	2,333	1	21
1951	2	AN	986	29	4	253	54	1,043	103	1,146	287	13	1,661	1,674	1,060	2,387	3,447	76%	76%	100%	2,975	1	471
1952	1	W	983	34	5	281	66	947	126	1,073	395	12	1,985	1,997	964	2,887	3,851	93%	93%	100%	3,641	209	2
1953	1	W	986	22	3	191	41	587	78	665	302	7	1,448	1,456	597	2,082	2,680	58%	58%	100%	2,412	251	17
1954	2	AN	983	21	3	184	41	583	77	660	249	7	1,243	1,251	593	1,815	2,409	57%	57%	100%	2,395	1	13
1955	4	D	993	23	4	196	43	625	83	708	259	8	1,304	1,312	636	1,907	2,543	62%	62%	100%	2,530	1	12
1956	1	W	993	32	5	280	61	989	117	1,106	332	12	1,765	1,777	1,006	2,587	3,593	87%	87%	100%	3,377	32	183
1957	2	AN	983	21	3	181	38	551	73	624	282	7	1,359	1,366	561	1,954	2,515	54%	54%	100%	2,265	233	17
1958	1	W	959	36	6	307	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,874	3,906	100%	100%	100%	3,896	1	9
1959	3	BN	990	19	3	161	35	504	67	571	270	6	1,286	1,292	513	1,837	2,350	50%	50%	100%	2,070	269	11
1960	4	D	983	19	3	175	39	555	74	629	237	7	1,184	1,191	565	1,728	2,293	55%	55%	100%	2,280	1	12
1961	4	D	983	21	3	172	41	590	78	669	252	7	1,260	1,267	601	1,823	2,424	58%	58%	100%	2,415	1	8
1962	3	BN	983	22	4	197	43	624	83	707	259	8	1,304	1,311	636	1,907	2,542	62%	62%	100%	2,528	1	13
1963	1	W	953	23	3	200	43	612	81	694	264	8	1,320	1,328	624	1,931	2,555	60%	60%	100%	2,500	35	20
1964	4	D	989	25	4	208	46	663	88	751	263	8	1,344	1,352	675	1,974	2,649	65%	65%	100%	2,620	16	13
1965	1	W	987	28	4	239	53	760	101	861	301	10	1,545	1,554	774	2,266	3,040	75%	75%	100%	2,923	103	14
1966	3	BN	987	25	4	215	47	671	89	760	302	8	1,493	1,502	684	2,172	2,855	66%	66%	100%	2,639	199	17
1967	1	W	983	30	5	261	57	823	109	932	328	10	1,678	1,688	838	2,463	3,301	81%	81%	100%	3,164	119	18
1968	3	BN	983	24	3	196	43	621	82	704	303	8	1,472	1,480	633	2,120	2,752	61%	61%	100%	2,523	218	12
1969	1	W	983	37	6	298	70	1,014	135	1,148	378	13	2,019	2,031	1,032	2,936	3,968	100%	100%	100%	3,896	15	57
1970	1	W	983	29	4	257	54	931	103	1,034	326	13	1,626	1,638	948	2,394	3,342	76%	76%	100%	2,979	127	236
1971	1	W	985	24	4	200	44	627	83	711	300	8	1,467	1,475	639	2,118	2,757	62%	62%	100%	2,538	205	14
1972	3	BN	992	23	4	205	44	628	83	712	266	8	1,338	1,346	640	1,960	2,599	62%	62%	100%	2,540	40	20
1973	2	AN	982	25	4	220	48	691	92	782	268	9	1,382	1,390	703	2,035	2,738	68%	68%	100%	2,680	42	16
1974	1	W	982	31	5	260	58	828	110	938	338	10	1,715	1,725	843	2,511	3,354	82%	82%	100%	3,183	155	16
1975	1	W	982	27	4	234	51	741	98	839	318	9	1,596	1,606	754	2,325	3,079	73%	73%	100%	2,847	218	15
1976	5	C	1,021	23	4	198	44	635	84	719	298	8	1,467	1,475	647	2,115	2,761	63%	63%	100%	2,555	196	10
1977	5	C	498	6	1	55	12	173	23	196	85	2	412	414	176	593	769	17%	17%	50%	712	55	2
1978	2	AN	983	28	4	229	54	773	103	875	285	10	1,487	1,497	787	2,185	2,972	76%	76%	100%	2,970	0	2
1979	3	BN	982	27	4	237	52	755	100	855	320	9	1,614	1,624	769	2,352	3,120	74%	74%	100%	2,902	204	14
1980	2	AN	986	32	5	263	62	885	117	1,002	349	11	1,836	1,847	901	2,660	3,561	87%	87%	100%	3,401	107	53
1981	4	D	983	24	4	204	44	639	85	724	308	8	1,497	1,505	651	2,162	2,812	63%	63%	100%	2,566	233	14
1982	1	W	967	36	6	311	70	1,138	135	1,272	395	15	2,030	2,045	1,158	2,977	4,135	100%	100%	100%	3,896	60	179
1983	1	W	963	37	6	319	70	1,428	135	1,563	413	16	2,115	2,131	1,449	3,089	4,538	100%	100%	100%	3,896	93	549
1984	1	W	982	29	4	266	54	1,186	103	1,289	317	14	1,690	1,704	1,204	2,460	3,664	77%	77%	100%	2,988	93	583
1985	4	D	983	28	4	227	52	743	99	842	295	9	1,485	1,495	757	2,185	2,941	73%	73%	100%	2,857	76	8
1986	1	W	986	31	5	261	61	879	117	995	361	11	1,913	1,924	894	2,745	3,639	87%	87%	100%	3,376	171	92
1987	4	D	983	17	3	158	35	499	66	566	229	6	1,186	1,192	508	1,692	2,200	49%	49%	100%	2,042	148	10
1988	5	C	600	11	2	103	22	315	42	357	135	4	671	675	320	985	1,306	31%	31%	50%	1,295	1	10
1989	4	D	982	20	3	174	40	582	77	659	248	7	1,242	1,249	593	1,800	2,393	57%	57%	100%	2,387	0	6
1990	5	C	984	14	2	122	27	393	52	445	168	5	837	842	400	1,221	1,621	39%	39%	100%	1,612	1	8
1991	5	C	587	8	1	82	17	240	32	271	103	3	511	514	244	753	997	24%	24%	50%	985	0	12
1992	5	C	984	11	2	95	22	315	42	357	135	4	673	677	321	978	1,299	31%	31%	100%	1,289	0	10
1993	2	AN	982	27	4	233	52	748	99	847	276	9	1,439	1,449	761	2,127	2,888	74%	74%	100%	2,874	0	14
1994	5	C	987	21	3	174	39	564	75	639	280	7	1,359	1,367	574	1,948	2,522	56%	56%	100%	2,315	198	10
1995	1	W	987	31	5	260	61	877	116	994	325	11	1,689	1,700	893	2,482	3,375	87%	87%	100%	3,371	3	2
1996	1	W	962	27	4	227	50	721	96	817	314	9	1,571	1,580	734	2,284	3,018	71%	71%	100%	2,772	233	14
1997	1	W	988	32	5	278	61	1,061	116	1,177	352	13	1,804	1,817	1,079	2,643	3,722	87%	87%	100%	3,371	106	245
1998	1	W	876	34	5	288	67	962	128	1,090	407	12	2,035	2,048	980	2,959	3,939	95%	95%	100%	3,699	236	4
1999	1	W	983	25	4	220	47	675	90	765	314	8	1,538	1,546	687	2,233	2,921	67%	67%	100%	2,647	253	20
2000	2	AN	983	26	4	225	50	713	95	808	288	9	1,473	1,482	726	2,155	2,881	70%	70%	100%	2,741	126	14
2001	4	D	983	20	3	183	40	579	77	656	284	7	1,384	1,392	590	1,990	2,580	57%	57%	100%	2,379	188	12
2002	4	D	983	20	3	180	40	572	76	648	244	7	1,221	1,228	583	1,781	2,363	56%	56%	100%	2,350	1	12

Table WS-SWP-9j

		Alternative D															Alternative D					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		951	24	4	207	46	685	88	773	279	9	1,412	1,420	697	2,056	2,753	65%	65%	96%	2,610	93	49
MIN:		498	6	1	55	12	173	23	196	85	2	412	414	176	593	769	17%	17%	50%	712	0	2
MAX:		1,021	37	6	319	70	1,428	135	1,563	413	16	2,115	2,131	1,449	3,089	4,538	100%	100%	100%	3,896	269	583
DP:	29-34, 76-77	840	14	2	127	28	413	53	467	177	5	887	893	421	1,287	1,708	40%	40%	82%	1,643	34	30
	W	975	30	5	257	57	877	109	987	339	11	1,726	1,737	893	2,518	3,411	81%	81%	100%	3,189	132	90
	AN	983	26	4	220	49	726	93	819	280	9	1,448	1,457	739	2,115	2,854	69%	69%	100%	2,744	52	58
AVG:	BN	981	24	4	211	46	673	88	761	289	8	1,448	1,456	685	2,106	2,791	65%	65%	100%	2,633	127	30
	D	986	21	3	184	41	600	79	679	261	8	1,303	1,310	611	1,890	2,501	59%	59%	100%	2,416	66	18
	C	783	13	2	117	25	374	49	422	165	5	819	823	380	1,188	1,568	36%	36%	75%	1,500	46	22
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,428	135	1,563	413	16	2,115	2,131	1,449	3,089	4,538	100%	100%	100%	3,896	269	583
2	1.3%	1,016	37	6	311	70	1,186	135	1,289	410	15	2,070	2,082	1,204	3,013	4,135	100%	100%	100%	3,896	259	549
3	2.5%	994	36	6	307	70	1,138	135	1,272	407	14	2,035	2,048	1,158	2,977	4,012	100%	100%	100%	3,896	253	471
4	3.8%	993	36	6	299	70	1,061	135	1,177	395	13	2,030	2,045	1,079	2,959	3,968	100%	100%	100%	3,896	251	245
5	5.0%	993	35	6	298	68	1,043	130	1,148	395	13	2,019	2,031	1,060	2,936	3,939	97%	97%	100%	3,771	236	236
6	6.3%	992	34	5	288	67	1,014	128	1,148	378	13	1,985	1,997	1,032	2,887	3,906	95%	95%	100%	3,699	233	201
7	7.5%	990	34	5	281	66	1,014	126	1,146	375	13	1,951	1,964	1,032	2,874	3,851	93%	93%	100%	3,641	233	183
8	8.8%	989	32	5	280	62	989	117	1,112	361	13	1,913	1,924	1,006	2,745	3,722	87%	87%	100%	3,401	233	179
9	10.0%	989	32	5	278	61	981	117	1,106	354	12	1,836	1,847	999	2,660	3,664	87%	87%	100%	3,377	231	163
10	11.3%	989	32	5	273	61	962	117	1,090	352	12	1,811	1,823	980	2,647	3,639	87%	87%	100%	3,376	218	152
11	12.5%	988	31	5	266	61	947	117	1,073	349	12	1,804	1,817	964	2,643	3,593	87%	87%	100%	3,376	218	92
12	13.8%	988	31	5	263	61	931	116	1,034	341	12	1,765	1,777	948	2,587	3,562	87%	87%	100%	3,371	218	57
13	15.0%	987	31	5	261	61	899	116	1,015	338	12	1,722	1,732	916	2,513	3,561	87%	87%	100%	3,371	215	53
14	16.3%	987	31	5	261	58	885	110	1,002	332	11	1,715	1,725	901	2,511	3,447	82%	82%	100%	3,190	209	39
15	17.5%	987	30	5	260	58	879	110	995	328	11	1,690	1,704	894	2,482	3,375	82%	82%	100%	3,183	205	21
16	18.8%	987	30	5	260	57	877	109	994	326	11	1,689	1,700	893	2,463	3,354	81%	81%	100%	3,164	204	20
17	20.0%	987	30	5	257	57	861	108	962	325	10	1,678	1,688	876	2,460	3,342	80%	80%	100%	3,127	200	20
18	21.3%	987	29	4	256	54	830	103	940	323	10	1,661	1,674	845	2,422	3,341	77%	77%	100%	2,988	200	20
19	22.5%	986	29	4	253	54	828	103	938	322	10	1,654	1,665	843	2,394	3,301	76%	76%	100%	2,979	199	20
20	23.8%	986	29	4	247	54	823	103	932	320	10	1,626	1,638	838	2,387	3,267	76%	76%	100%	2,975	198	20
21	25.0%	986	28	4	243	54	814	103	922	318	10	1,614	1,624	828	2,352	3,120	76%	76%	100%	2,970	198	18
22	26.3%	986	28	4	239	53	773	101	875	317	10	1,612	1,621	787	2,351	3,114	75%	75%	100%	2,923	196	17
23	27.5%	985	28	4	237	53	760	100	861	314	10	1,596	1,606	774	2,325	3,110	75%	75%	100%	2,908	188	17
24	28.8%	984	28	4	237	53	757	100	857	314	9	1,571	1,580	770	2,284	3,079	75%	75%	100%	2,907	187	17
25	30.0%	984	27	4	234	52	755	100	855	308	9	1,545	1,554	769	2,266	3,040	74%	74%	100%	2,902	171	16
26	31.3%	984	27	4	233	52	749	99	849	303	9	1,538	1,546	763	2,234	3,018	74%	74%	100%	2,880	155	16
27	32.5%	984	27	4	231	52	748	99	847	302	9	1,530	1,541	761	2,233	2,972	74%	74%	100%	2,874	148	16
28	33.8%	983	27	4	229	52	743	99	842	302	9	1,504	1,513	757	2,185	2,941	73%	73%	100%	2,857	147	16
29	35.0%	983	27	4	227	51	741	98	839	301	9	1,497	1,505	754	2,185	2,921	73%	73%	100%	2,847	127	16
30	36.3%	983	26	4	227	50	721	96	817	301	9	1,493	1,502	734	2,183	2,917	71%	71%	100%	2,772	126	16
31	37.5%	983	26	4	225	50	713	95	808	301	9	1,487	1,497	726	2,172	2,888	70%	70%	100%	2,741	119	15
32	38.8%	983	26	4	224	49	708	94	802	300	9	1,485	1,495	721	2,162	2,882	70%	70%	100%	2,721	110	14
33	40.0%	983	25	4	220	48	691	92	782	300	9	1,473	1,482	703	2,155	2,881	68%	68%	100%	2,680	107	14
34	41.3%	983	25	4	220	48	686	91	777	299	9	1,473	1,481	698	2,146	2,855	68%	68%	100%	2,669	106	14
35	42.5%	983	25	4	215	47	675	90	765	298	8	1,472	1,480	687	2,136	2,812	67%	67%	100%	2,647	103	14
36	43.8%	983	25	4	215	47	671	89	760	296	8	1,467	1,475	684	2,127	2,787	66%	66%	100%	2,639	93	14
37	45.0%	983	24	4	210	46	666	88	755	295	8	1,467	1,475	679	2,120	2,761	66%	66%	100%	2,628	93	14
38	46.3%	983	24	4	208	46	663	88	751	288	8	1,457	1,466	675	2,118	2,757	65%	65%	100%	2,620	76	14
39	47.5%	983	24	4	207	45	647	86	733	287	8	1,448	1,456	659	2,115	2,752	64%	64%	100%	2,585	75	14
40	48.8%	983	24	4	205	45	646	86	731	285	8	1,447	1,455	657	2,095	2,738	64%	64%	100%	2,579	75	14
41	50.0%	983	24	4	204	44	639	85	724	284	8	1,447	1,455	651	2,082	2,737	63%	63%	100%	2,566	60	14
42	51.3%	983	24	4	204	44	639	85	724	282	8	1,439	1,449	651	2,072	2,726	63%	63%	100%	2,566	59	13
43	52.5%	983	24	4	204	44	638	85	723	281	8	1,437	1,445	650	2,059	2,691	63%	63%	100%	2,563	55	13
44	53.8%	983	23	4	203	44	635	84	719	280	8	1,384	1,392	647	2,035	2,681	63%	63%	100%	2,555	54	13
45	55.0%	983	23	4	202	44	628	83	712	279	8	1,382	1,390	640	2,016	2,680	62%	62%	100%	2,540	42	12
46	56.3%	983	23	4	200	44	627	83	711	276	8	1,376	1,384	639	2,013	2,656	62%	62%	100%	2,538	40	12
47	57.5%	983	23	4	200	43	625	83	708	271	8	1,368	1,376	636	1,997	2,649	62%	62%	100%	2,530	35	12
48	58.8%	983	23	4	198	43	624	83	707	271	8	1,362	1,371	636	1,990	2,649	62%	62%	100%	2,528	32	12
49	60.0%	983	23	3	197	43	621	82	704	270	8	1,359	1,367	633	1,974	2,599	61%	61%	100%	2,523	28	12
50	61.3%	983	23	3	196	43	620	82	702	269	8	1,359	1,366	631	1,960	2,595	61%	61%	100%	2,519	16	12
51	62.5%	983	22	3	196	43	612	81	694	268	8	1,344	1,352	624	1,954	2,580	60%	60%	100%	2,500	15	12
52	63.8%	983	22	3	191	42	599	80	678	266	8	1,338	1,346	610	1,948	2,578	59%	59%	100%	2,456	3	12
53	65.0%	983	22	3	188	41	590	78	669	264	8	1,328	1,335	601	1,937	2,555	58%	58%	100%	2,415	1	11
54	66.3%	983	21	3	186	41	589	78	666	263	7	1,320	1,328	600	1,931	2,543	58%	58%	100%	2,412	1	10
55	67.5%	982	21	3	186	41	588	78	665	261	7	1,320	1,328	598	1,928	2,542	58%	58%	100%	2,402	1	10
56	68.8%	982	21	3	184	41	587	77	660	260	7	1,315	1,323	597	1,921	2,522	57%	57%	100%	2,395	1	10
57	70.0%	982	21	3	184	40	583	77	659	259	7	1,304	1,312	593	1,907	2,515	57%	57%	100%	2,389	1	10
58	71.3%	982	21	3	183	40	582	77	659	259	7	1,304	1,311	593	1,907	2,513	57%	57%	100%	2,387	1	10
59	72.5%	982	21	3	182	40	582	77	658	259	7	1,286	1,292	592	1,837	2,424	57%	57%	100%	2,386	1	10
60	73.8%	982	20	3	181	40	581	77	658	252	7	1,260	1,267	591	1,823	2,409	57%	57%	100%	2,380	1	10
61	75.0%	982	20	3	180	40	581	77	657	251	7	1,254	1,261	591	1,815	2,409	57%	57%	100%	2,379	1	10
62	76.3%	982	20	3	175	40	579	77	656	249	7	1,243	1,251	590	1,811	2,402	57%	57%	100%	2,379	1	10
63	77.5%	982	20	3	174	40	579	76	656	248	7	1,242	1,249	590	1,811	2,393	56%	56%	100%	2,350	1	10
64	78.8%	982	20	3	174	40	572	76	648	248	7	1,239	1,247	583	1,800	2,390	56%	56%	100%	2,341	1	10
65	80.0%	982	20	3	174	39	572	75	648	247	7	1,239	1,246	582	1,799	2,363	56%	56%	100%	2,333	1	10
66	81.3%	982	20	3	172	39	568	75	643	244	7	1,221	1,228	578	1,781	2,356	56%	56%	100%	2,315	1	10
67	82.5%	982	20	3	169	39	564	74	639	243	7	1,220	1,227	574	1,777	2,350	55%	55%	100%	2,280	1	10
68	83.8%	970	19	3	169	38	555	73	629	242	7	1,212	1,219	565	1,768	2,350	54%	54%	100%	2,265	1	9
69	85.0%	967	19	3	168	35	551	68	624	237	7	1,186	1,192	561	1,728	2,293	50%	50%	100%	2,088	1	8
70	86.3%	963	18	3	161	35	504	67	571	229	7	1,184	1,191	513	1,692	2,240	50%	50%	100%	2,070	1	8
71	87.5%	962	17	3	158	35	499	66	566	217	6	1,132	1,140	508	1,640	2,200	49%	49%	100%	2,042	0	8
72	88.8%	959	14	2	140	27	478	52	530	181	6	892	897	487	1,292	1,780	39%	39%	100%	1,616	0	8
73	90.0%	953	14	2	126	27	393	52	445	169	5	890	897	400	1,292	1,690	39%	39%	100%	1,612	0	8
74	91.3%	920	13	2	122	27	390	52	442	168	5	837	842	398	1,221	1,621	39%	39%	100%	1,605	0	6
75	92.5%	876	13	2	122	26	374	50	424	165	5	820	824	381	1,195	1,576	37%	37%	100%	1,539	0	6
76	93.8%	600	11	2	103	22	315	42	357	135	4	673	677	321	985	1,306	31%	31%	50%	1,295	0	4
77	95.0%	592	11	2	96	22	315	42	357	135	4	671	675	320	978	1,299	31%	31%	50%	1,289	0	2
78	96.3%	587	11	2	95	21	303	40	344	130	4	647	651	309	945	1,254	30%	30%	50%	1,245	0	2
79	97.5%	587	10	2	93	21	302	40	343	130	4	645	649	308	940	1,248	30%	30%	50%	1,237	0	2
80	98.8%	585	8	1	82	17	240	32	271	103	3	511	514	244	753	997	24%	24%	50%	985	0	2
81	100.0%	498	6	1	55	12	173	23	196	85	2	412	414	176	593	769	17%	17%	50%	712	0	2

Table WS-SWP-9k

			No Action Alternative																				
			State Water Project (SWP) Contract Deliveries																	State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
			FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3	BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5	C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4	D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4	D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1	W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2	AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5	C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4	D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5	C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4	D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5	C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5	C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3	BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3	BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3	BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1	W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4	D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2	AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1	W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1	W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1	W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4	D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3	BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3	BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4	D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3	BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4	D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3	BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2	AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1	W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1	W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2	AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4	D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1	W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2	AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1	W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3	BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4	D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4	D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3	BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1	W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4	D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1	W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3	BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1	W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3	BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1	W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1	W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1	W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3	BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2	AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1	W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1	W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5	C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5	C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2	AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3	BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2	AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4	D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1	W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1	W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1	W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642	77%	77%	100%	2,988	93	562
1985	4	D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920	73%	73%	100%	2,832	80	8
1986	1	W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640	87%	87%	100%	3,376	169	94
1987	4	D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	97	10
1988	5	C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	7
1989	4	D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658	67%	67%	100%	2,650	0	8
1990	5	C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089	23%	23%	100%	967	114	8
1991	5	C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	12
1992	5	C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098	26%	26%	100%	1,088	0	10
1993	2	AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897	74%	74%	100%	2,885	0	12
1994	5	C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327	51%	51%	100%	2,118	198	10
1995	1	W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314	85%	85%	100%	3,310	2	1
1996	1	W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932	69%	69%	100%	2,690	228	14
1997	1	W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477	83%	83%	100%	3,225	168	84
1998	1	W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814	92%	92%	100%	3,584	226	4
1999	1	W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947	68%	68%	100%	2,685	245	16
2000	2	AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788	65%	65%	100%	2,612	162	14
2001	4	D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	97	14
2002	4	D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,682	68%	68%	100%	2,669	0	13

Table WS-SWP-9k

		No Action Alternative															No Action Alternative					
		State Water Project (SWP) Contract Deliveries															State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery
		FRSA Settlemen (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639	62%	62%	96%	2,496	91	51
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468	34%	34%	82%	1,386	37	44
	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338	80%	80%	100%	3,132	124	81
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840	69%	69%	100%	2,730	67	44
AVG:	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758	64%	64%	100%	2,593	120	45
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296	54%	54%	100%	2,202	62	32
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316	30%	30%	75%	1,234	52	30
Rank	Probability of																					
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536	100%	100%	100%	3,896	271	562
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133	100%	100%	100%	3,896	267	549
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022	100%	100%	100%	3,896	245	420
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960	100%	100%	100%	3,894	242	306
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814	95%	95%	100%	3,593	233	297
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799	92%	92%	100%	3,584	233	266
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711	90%	90%	100%	3,501	228	247
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669	87%	87%	100%	3,377	227	169
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642	87%	87%	100%	3,377	226	155
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640	87%	87%	100%	3,376	217	126
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604	87%	87%	100%	3,376	217	94
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573	85%	85%	100%	3,310	214	84
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477	83%	83%	100%	3,225	210	61
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334	81%	81%	100%	3,147	208	59
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314	81%	81%	100%	3,147	200	20
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280	80%	80%	100%	3,110	198	19
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249	78%	78%	100%	3,054	197	19
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206	77%	77%	100%	2,988	196	17
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156	76%	76%	100%	2,973	195	16
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090	75%	75%	100%	2,908	195	16
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067	74%	74%	100%	2,885	192	16
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003	73%	73%	100%	2,858	189	16
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985	73%	73%	100%	2,856	187	16
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958	73%	73%	100%	2,855	171	15
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947	73%	73%	100%	2,844	169	15
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932	73%	73%	100%	2,838	168	15
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920	73%	73%	100%	2,832	162	15
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897	71%	71%	100%	2,771	162	14
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870	71%	71%	100%	2,755	137	14
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869	70%	70%	100%	2,720	125	14
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853	69%	69%	100%	2,697	119	14
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850	69%	69%	100%	2,690	114	14
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846	68%	68%	100%	2,685	111	14
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840	68%	68%	100%	2,682	99	14
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830	68%	68%	100%	2,669	97	14
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803	67%	67%	100%	2,650	97	14
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788	67%	67%	100%	2,645	93	14
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787	66%	66%	100%	2,638	91	14
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775	66%	66%	100%	2,630	88	14
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720	65%	65%	100%	2,615	86	14
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714	65%	65%	100%	2,612	80	13
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682	65%	65%	100%	2,602	66	13
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674	63%	63%	100%	2,574	47	13
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658	62%	62%	100%	2,536	44	12
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634	62%	62%	100%	2,534	21	12
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620	61%	61%	100%	2,510	21	12
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600	61%	61%	100%	2,506	5	12
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565	60%	60%	100%	2,482	2	12
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551	59%	59%	100%	2,452	2	12
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543	59%	59%	100%	2,444	1	12
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536	58%	58%	100%	2,426	1	12
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525	58%	58%	100%	2,424	1	12
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521	58%	58%	100%	2,416	1	12
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510	58%	58%	100%	2,400	1	11
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496	55%	55%	100%	2,306	1	11
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461	55%	55%	100%	2,289	1	10
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461	55%	55%	100%	2,275	1	10
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446	55%	55%	100%	2,272	1	10
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441	54%	54%	100%	2,240	1	10
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426	53%	53%	100%	2,188	1	10
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327	52%	52%	100%	2,146	1	10
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313	51%	51%	100%	2,118	1	10
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199	50%	50%	100%	2,084	1	10
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105	49%	49%	100%	2,044	1	10
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055	48%	48%	100%	2,009	1	9
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006	48%	48%	100%	1,993	1	8
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995	48%	48%	100%	1,985	1	8
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985	48%	48%	100%	1,978	1	8
69	85.0%	967	15	2	140	29	484	55	548	183	6	973	980	493	1,384	1,934	41%	41%	100%	1,687	0	8
70	86.3%	967	14	2	137	27	483	52	547	176	6	944	951	491	1,348	1,888	39%	39%	100%	1,621	0	8
71	87.5%	963	14	2	129	27	384	51	436	170	5	897	902	391	1,300	1,691	38%	38%	100%	1,580	0	8
72	88.8%	962	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480	33%	33%	100%	1,373	0	8
73	90.0%	959	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	100%	1,288	0	8
74	91.3%	920	9	1	84	18	266	35	301	133	3	641	645	271	919	1,180	26%	26%	100%	1,088	0	7
75	92.5%	876	9	1	83	18	256	34	290	114	3	603	606	261	850	1,098	25%	25%	100%	1,051	0	6
76	93.8%	600	9	1	79	17	241	32	273	112	3	567	571	245	827	1,089	24%	24%	50%	985	0	4
77	95.0%	592	8	1	75	17	238	32	270	103	3	514	517	243	748	993	24%	24%	50%	976	0	2
78	96.3%	587	8	1	73	16	235	31	266	103	3	508	511	239	742	985	23%	23%	50%	967	0	2
79	97.5%	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836	20%	20%	50%	824	0	2
80	98.8%	585	7	1	63	13	192	25	217	82	2	409	411	195	600	795	19%	19%	50%	788	0	1
81	100.0%	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	0	1

Table WS-CVP-9a

Alternative D
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	62%	48%	86%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	94%	78%	99%	94%	100%	100%	100%
Above Normal (15%)	87%	58%	97%	84%	100%	100%	100%
Below Normal (17%)	57%	39%	86%	76%	100%	100%	100%
Dry (22%)	39%	33%	77%	73%	99%	99%	99%
Critical (15%)	10%	9%	58%	57%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,153	517	1,671	2,793	566
Water Year Types[2]					
Wet (32%)	1,827	530	2,358	2,807	591
Above Normal (15%)	1,437	524	1,960	2,825	580
Below Normal (17%)	957	513	1,471	2,856	588
Dry (22%)	779	518	1,297	2,840	567
Critical (15%)	222	487	709	2,590	472

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	433	48	86
Water Year Types[2]			
Wet (32%)	454	64	74
Above Normal (15%)	443	63	74
Below Normal (17%)	451	58	80
Dry (22%)	431	35	100
Critical (15%)	357	8	107

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9a

Alternative D

4-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	219	211	1,941	293	16	852	36	290	605
Water Year Types[2]									
Wet (32%)	328	241	1,932	472	18	875	58	271	969
Above Normal (15%)	308	239	1,950	351	17	875	43	268	734
Below Normal (17%)	203	214	1,981	234	15	875	29	284	491
Dry (22%)	141	191	1,977	199	14	864	25	313	415
Critical (15%)	37	148	1,849	58	11	741	7	327	121

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D

5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	159	1	26	261	38	48	12	9	11
Water Year Types[2]									
Wet (32%)	173	1	27	269	50	38	12	12	9
Above Normal (15%)	162	1	26	269	50	39	12	12	9
Below Normal (17%)	170	1	27	269	46	43	12	11	10
Dry (22%)	154	1	27	265	28	60	12	7	14
Critical (15%)	123	0	23	224	6	68	10	1	16

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D

6-NODOS Local Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	79
Water Year Types[2]	
Wet (32%)	12
Above Normal (15%)	28
Below Normal (17%)	89
Dry (22%)	129
Critical (15%)	182

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9b

No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	60%	48%	85%	79%	97%	97%	97%
Water Year Types[2]							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,138	516	1,654	2,786	562
Water Year Types[2]					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	428	0	134
Water Year Types[2]			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9b

No Action Alternative

4-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	213	211	1,934	290	16	852	36	290	599
Water Year Types[2]									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative

5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	155	0	27	261	0	86	12	0	20
Water Year Types[2]									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative

6-NODOS Local Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	0
Water Year Types[2]	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9c

Difference: Alternative D minus No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	2%	0%	1%	0%	0%	0%	0%
Water Year Types[2]							
Wet (32%)	1%	0%	1%	0%	0%	0%	0%
Above Normal (15%)	3%	0%	1%	0%	0%	0%	0%
Below Normal (17%)	2%	0%	2%	0%	0%	0%	0%
Dry (22%)	3%	2%	0%	0%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	15	1	17	7	4
Water Year Types[2]					
Wet (32%)	7	0	8	5	4
Above Normal (15%)	13	3	16	9	3
Below Normal (17%)	5	4	10	7	5
Dry (22%)	47	0	47	5	3
Critical (15%)	-2	1	-1	12	7

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]	4	48	-48
Water Year Types[2]			
Wet (32%)	4	64	-64
Above Normal (15%)	3	63	-63
Below Normal (17%)	5	58	-58
Dry (22%)	3	35	-35
Critical (15%)	7	8	-8

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9c

Difference: Alternative D minus No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	6	1	7	2	0	0	0	0	6
Water Year Types[2]									
Wet (32%)	5	0	5	2	0	0	0	0	0
Above Normal (15%)	10	2	9	-1	0	0	0	1	4
Below Normal (17%)	6	4	7	0	0	0	0	0	-1
Dry (22%)	10	0	5	10	0	0	2	0	25
Critical (15%)	1	0	12	-2	0	0	0	0	-1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	4	1	-1	0	38	-38	0	9	-9
Water Year Types[2]									
Wet (32%)	4	1	-1	0	50	-50	0	12	-12
Above Normal (15%)	3	1	-1	0	50	-50	0	12	-12
Below Normal (17%)	5	1	-1	0	46	-46	0	11	-11
Dry (22%)	3	1	-1	0	28	-28	0	7	-7
Critical (15%)	7	0	0	0	6	-6	0	1	-1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative

6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	79
Water Year Types[2]	
Wet (32%)	12
Above Normal (15%)	28
Below Normal (17%)	89
Dry (22%)	129
Critical (15%)	182

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9d

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	Ag Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	60%	48%	1,138
Alternative D	62%	48%	1,153
Difference	2%	0%	15
Percent Difference[3]			1.3%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative D	94%	78%	1,827
Difference	1%	0%	7
Percent Difference			0.4%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative D	87%	58%	1,437
Difference	3%	0%	13
Percent Difference			0.9%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative D	57%	39%	957
Difference	2%	0%	5
Percent Difference			0.6%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative D	39%	33%	779
Difference	3%	2%	47
Percent Difference			6.4%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative D	10%	9%	222
Difference	0%	0%	-2
Percent Difference			-0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

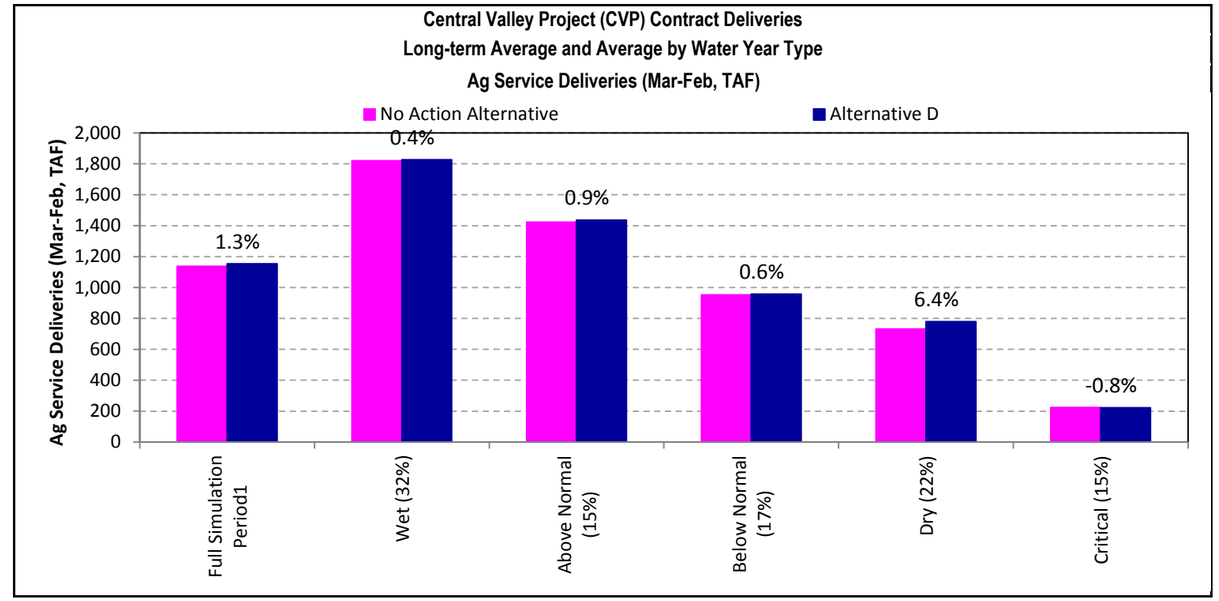

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Figure WS-CVP-9e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart

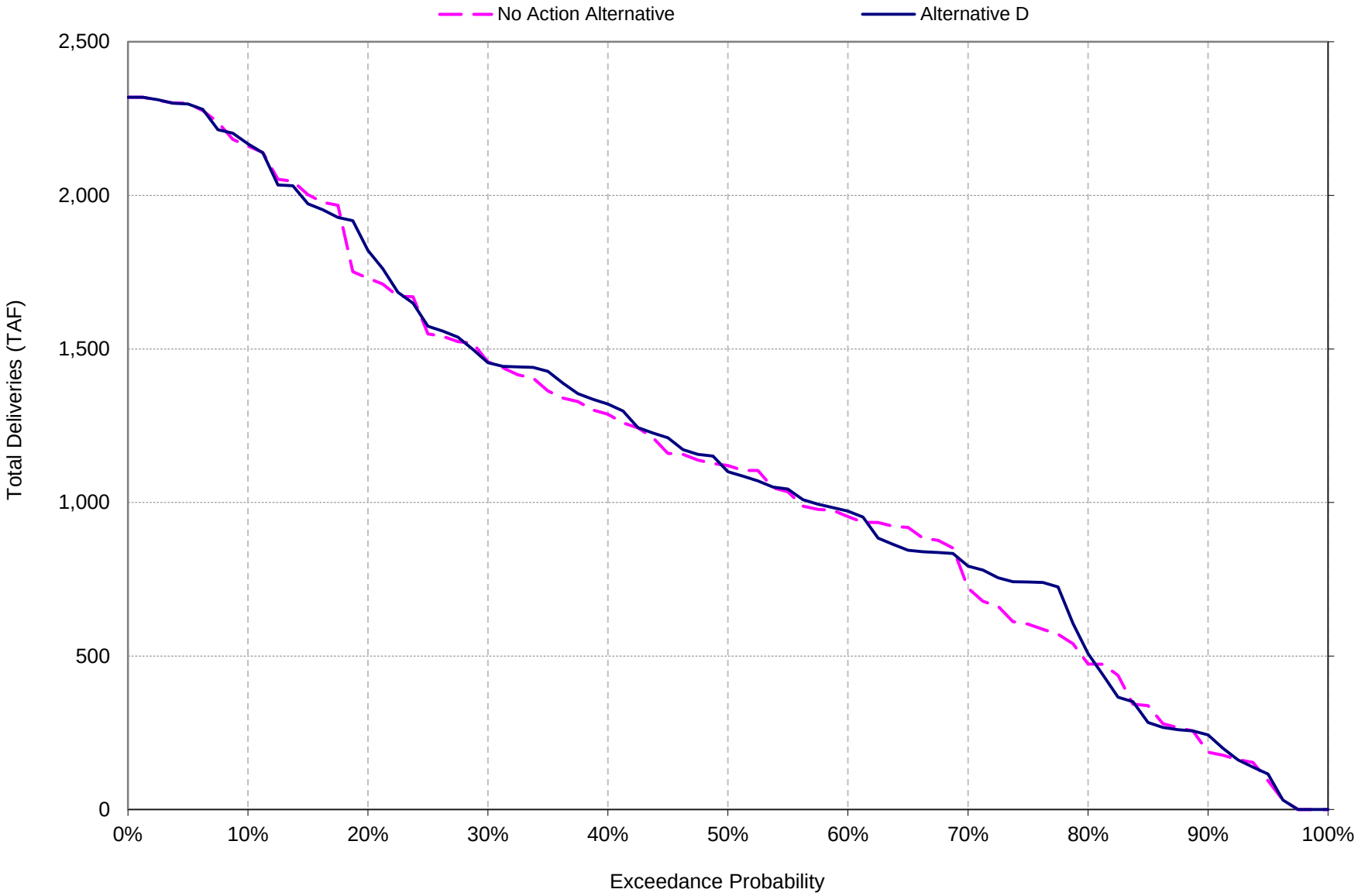

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Table WS-CVP-9f

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	85%	79%	516
Alternative D	86%	79%	517
Difference	1%	0%	1
Percent Difference[3]			0.3%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative D	99%	94%	530
Difference	1%	0%	0
Percent Difference			0.1%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative D	97%	84%	524
Difference	1%	0%	3
Percent Difference			0.5%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative D	86%	76%	513
Difference	2%	0%	4
Percent Difference			0.8%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative D	77%	73%	518
Difference	0%	0%	0
Percent Difference			0.0%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative D	58%	57%	487
Difference	0%	0%	1
Percent Difference			0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

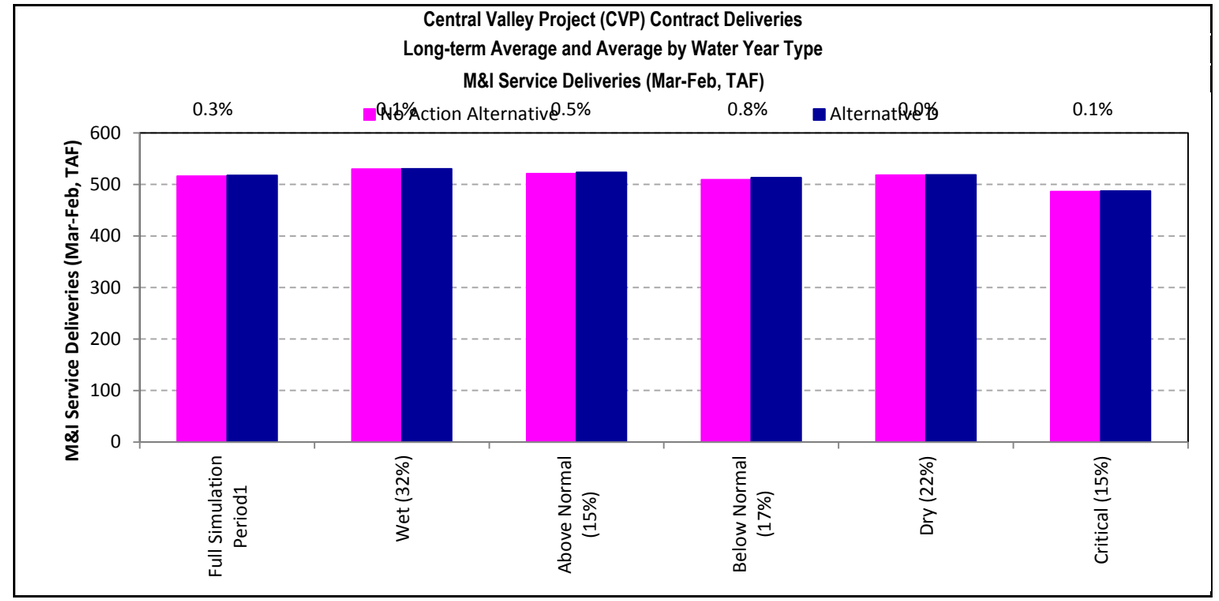

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Figure WS-CVP-9g

Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart

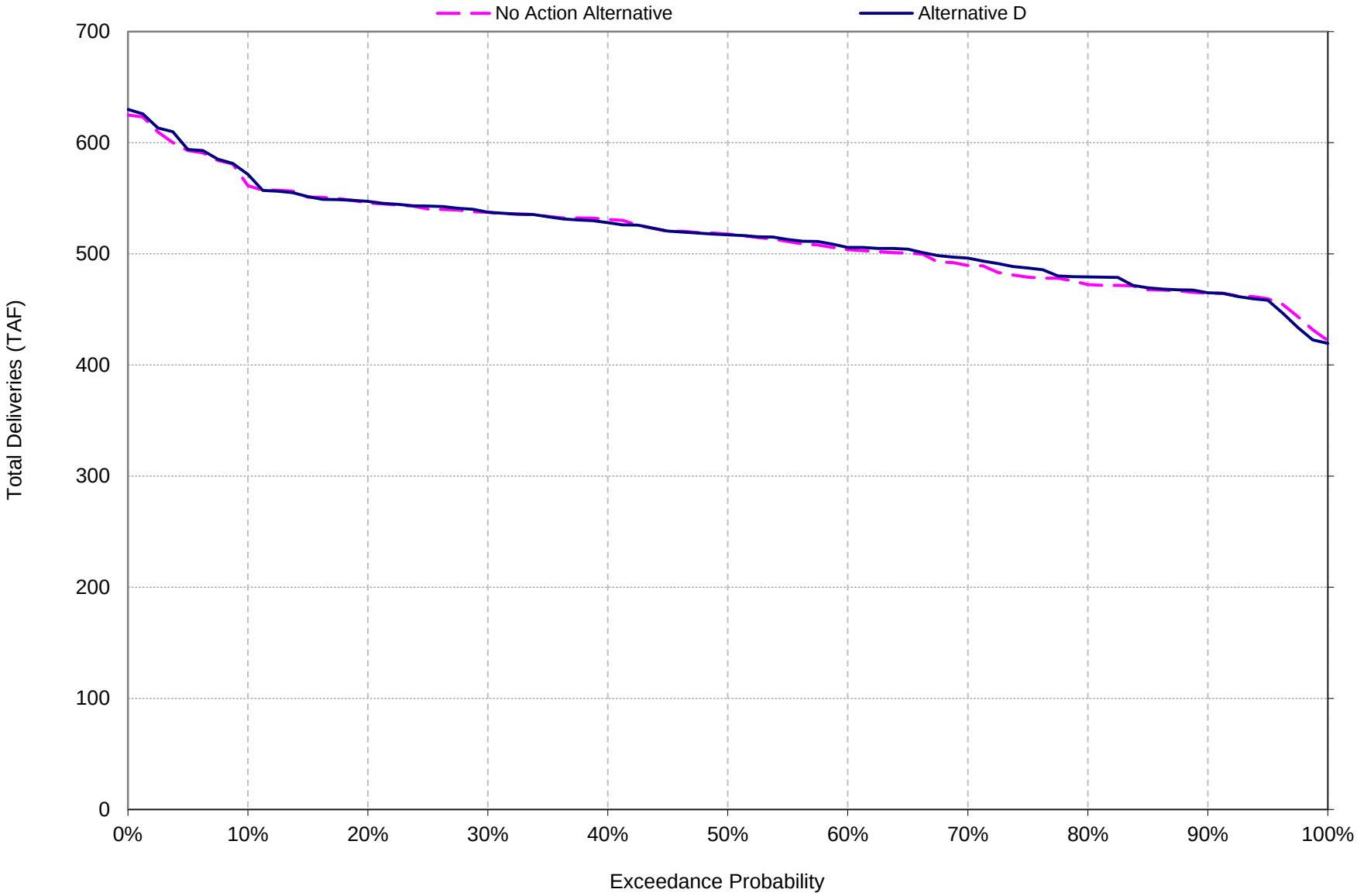

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Table WS-CVP-9h

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period[1]			
No Action Alternative	97%	97%	2,786
Alternative D	97%	97%	2,793
Difference	0%	0%	7
Percent Difference[3]			0.3%
Water Year Types[2]			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative D	100%	100%	2,807
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative D	100%	100%	2,825
Difference	0%	0%	9
Percent Difference			0.3%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative D	100%	100%	2,856
Difference	0%	0%	7
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative D	99%	99%	2,840
Difference	0%	0%	5
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative D	83%	85%	2,590
Difference	0%	0%	12
Percent Difference			0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

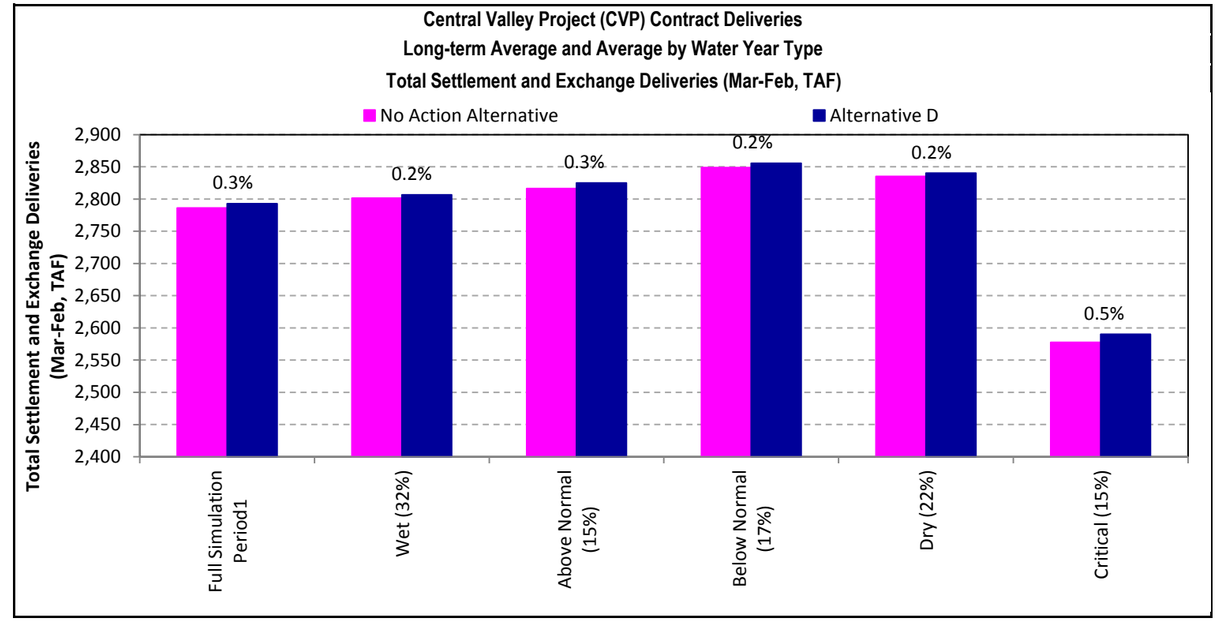

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Figure WS-CVP-9i

Central Valley Project (CVP) Settlement and Exchange Contract Deliveries Probability Exceedance Chart

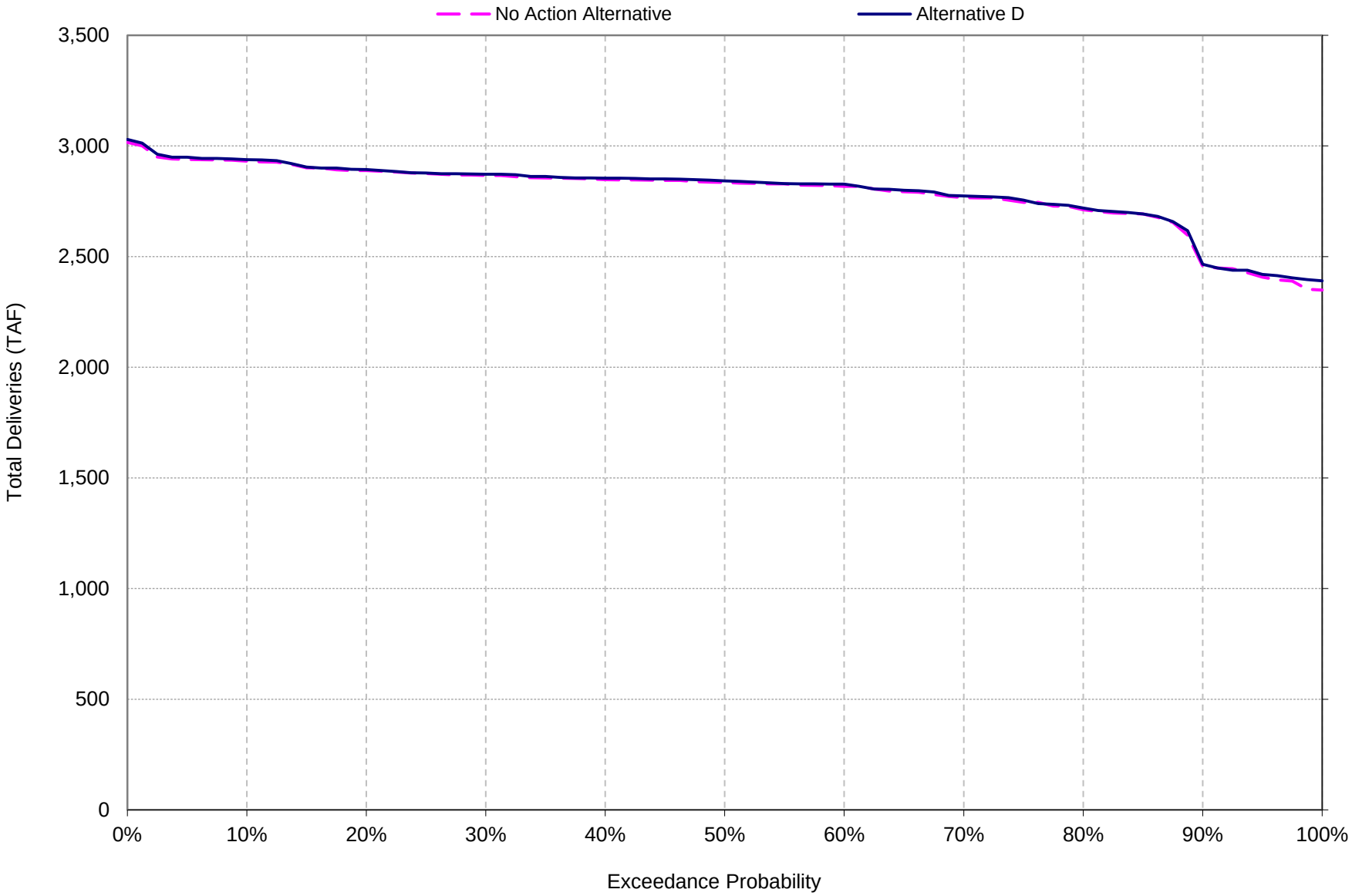

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Table WS-CVP-9j

Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]		
No Action Alternative	97%	428
Alternative D	97%	433
Difference	0%	4
Percent Difference[3]		1.0%
Water Year Types[2]		
Wet (32%)		
No Action Alternative	100%	450
Alternative D	100%	454
Difference	0%	4
Percent Difference		1.0%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative D	100%	443
Difference	0%	3
Percent Difference		0.8%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative D	100%	451
Difference	0%	5
Percent Difference		1.2%
Dry (22%)		
No Action Alternative	99%	429
Alternative D	99%	431
Difference	0%	3
Percent Difference		0.7%
Critical (15%)		
No Action Alternative	83%	350
Alternative D	83%	357
Difference	0%	7
Percent Difference		2.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

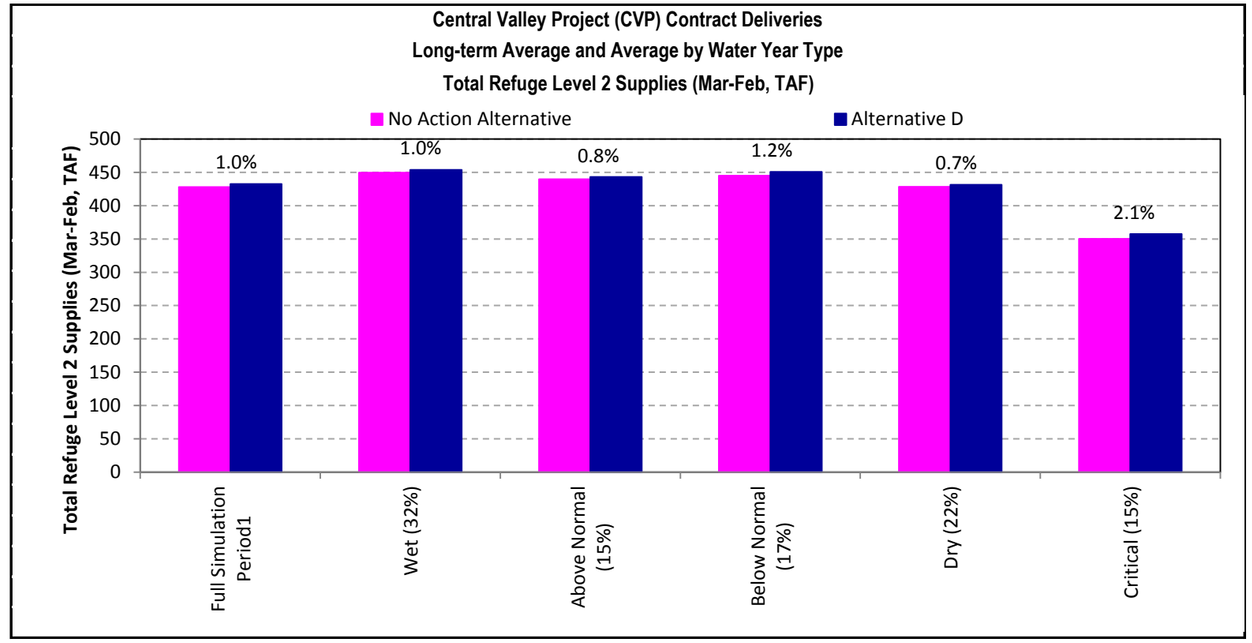

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Figure WS-CVP-9k

Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart

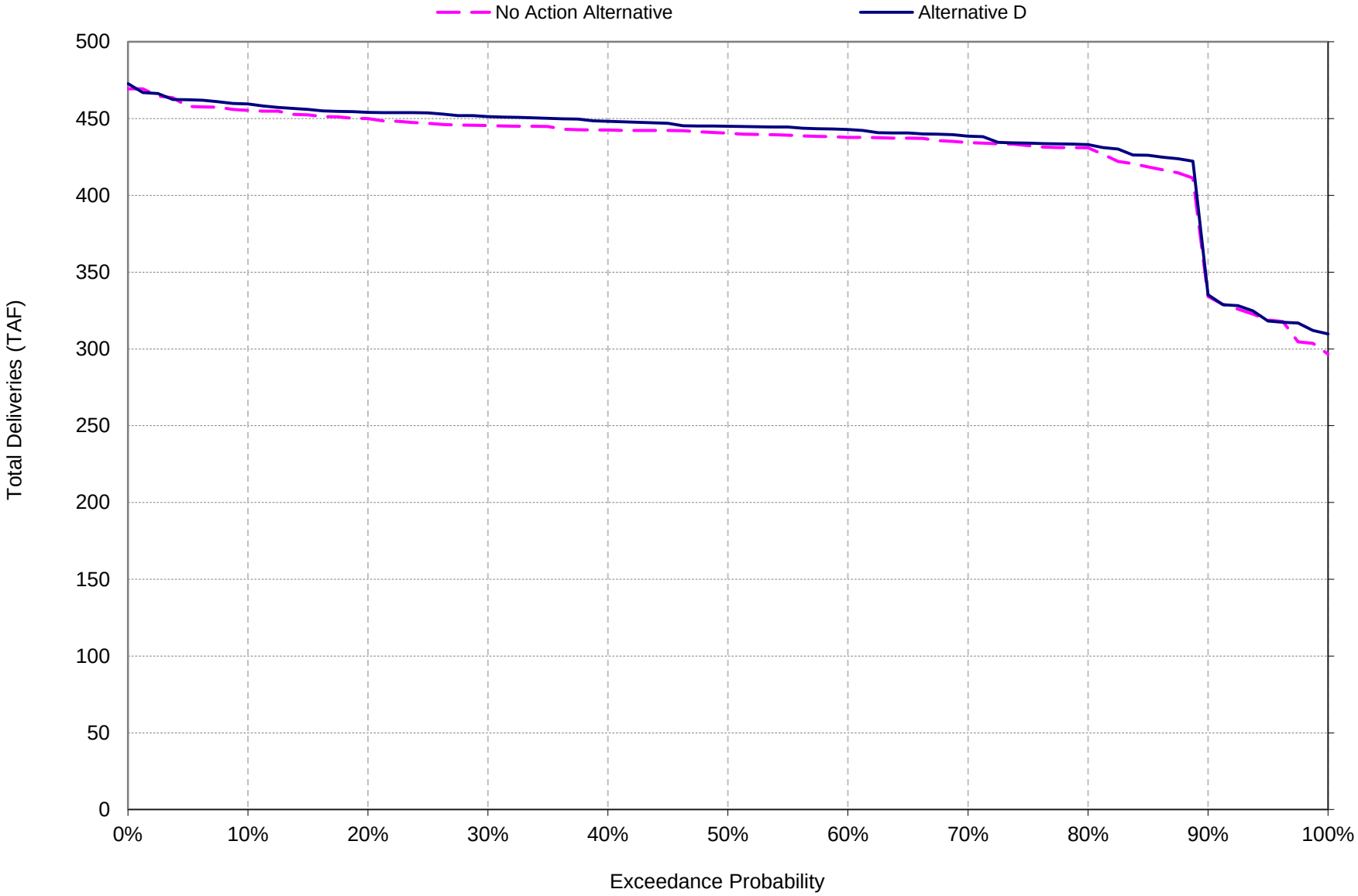

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Table WS-CVP-9I

Alternative D

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	166	2	26	0	2,825	489	20	875	269	51	38	1,741	60	288	348	1,022	12	12	9	1,056
1923	3	BN	237	217	2,003	169	2	26	72	2,654	259	15	875	269	51	38	1,506	32	261	293	543	12	12	9	576
1924	5	C	21	147	1,792	106	0	21	218	2,087	36	11	674	202	0	66	989	4	327	332	76	9	0	16	101
1925	4	D	195	193	1,865	161	0	28	94	2,442	325	16	875	269	0	89	1,573	41	280	321	683	12	0	21	716
1926	4	D	40	166	1,880	150	0	28	180	2,264	68	12	875	269	0	89	1,313	8	342	351	143	12	0	21	177
1927	1	W	357	245	1,976	158	1	26	0	2,764	378	17	875	269	49	40	1,628	46	263	310	793	12	12	9	826
1928	2	AN	191	201	1,976	153	1	26	99	2,548	215	15	875	269	51	38	1,463	26	256	282	451	12	12	9	484
1929	5	C	0	133	2,045	141	0	27	174	2,348	0	10	875	269	21	68	1,242	0	324	324	0	12	3	18	33
1930	4	D	58	164	1,952	153	0	28	175	2,355	96	13	875	269	2	87	1,341	12	353	365	199	12	0	21	233
1931	5	C	31	160	1,765	99	0	21	222	2,075	52	12	674	202	0	66	1,006	6	262	268	110	9	0	16	135
1932	4	D	44	152	1,765	117	0	21	217	2,100	75	12	674	202	0	66	1,029	9	258	267	156	9	0	16	181
1933	5	C	5	127	1,774	125	0	21	96	2,051	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	25	142	1,717	101	0	21	162	2,006	42	11	674	202	0	66	995	5	344	349	89	9	0	16	114
1935	3	BN	45	165	1,895	167	0	28	177	2,299	68	12	875	269	0	89	1,313	9	242	251	145	12	0	21	179
1936	3	BN	130	189	1,942	176	1	27	134	2,464	222	15	875	269	35	54	1,469	27	261	288	465	12	8	13	498
1937	3	BN	123	205	1,953	192	1	27	138	2,501	204	15	875	269	49	40	1,452	26	259	285	427	12	12	9	460
1938	1	W	357	240	1,954	178	1	26	0	2,757	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1939	4	D	124	187	2,154	145	1	27	138	2,638	196	15	875	269	26	63	1,444	24	383	407	410	12	6	15	443
1940	2	AN	303	249	1,917	152	1	27	32	2,649	287	15	875	269	44	45	1,534	36	256	291	601	12	10	11	634
1941	1	W	329	248	1,806	172	1	27	0	2,583	530	20	875	269	51	38	1,782	66	280	345	1,109	12	12	9	1,143
1942	1	W	349	240	1,857	173	1	27	0	2,647	509	17	875	269	51	38	1,759	63	280	342	1,032	12	12	9	1,066
1943	1	W	280	243	1,980	171	1	26	45	2,703	479	20	875	269	51	38	1,731	59	280	339	1,003	12	12	9	1,037
1944	4	D	93	191	1,967	152	1	27	156	2,432	159	15	875	269	51	38	1,407	20	274	294	334	12	12	9	367
1945	3	BN	217	215	1,929	173	1	26	83	2,562	365	17	875	269	51	38	1,614	45	273	318	761	12	12	9	795
1946	3	BN	292	238	2,069	170	1	27	39	2,796	357	17	875	269	51	38	1,606	44	272	315	747	12	12	9	781
1947	4	D	154	179	1,998	167	1	27	120	2,525	258	15	875	269	40	49	1,505	32	274	306	539	12	11	10	572
1948	3	BN	264	226	1,742	162	1	27	39	2,422	164	15	875	269	51	38	1,411	21	257	278	343	12	12	9	377
1949	4	D	230	215	1,995	164	1	26	75	2,632	306	15	875	269	51	38	1,553	38	275	313	637	12	12	9	670
1950	3	BN	116	203	2,026	169	1	27	143	2,542	195	15	875	269	51	38	1,442	24	261	285	407	12	12	9	441
1951	2	AN	341	247	1,987	164	1	26	10	2,766	378	17	875	269	51	38	1,628	46	271	318	792	12	12	9	826
1952	1	W	357	246	1,962	179	1	27	0	2,771	608	20	875	269	51	38	1,860	75	280	355	1,272	12	12	9	1,306
1953	1	W	353	238	1,965	169	1	27	1	2,752	232	15	875	269	51	38	1,480	29	248	277	486	12	12	9	520
1954	2	AN	357	246	1,902	164	1	26	0	2,696	251	13	875	269	51	38	1,496	31	256	287	518	12	12	9	552
1955	4	D	161	190	2,018	159	1	27	116	2,556	274	15	875	269	51	38	1,521	34	274	308	575	12	12	9	608
1956	1	W	357	245	1,997	174	2	26	0	2,801	502	20	875	269	51	38	1,755	61	280	341	1,052	12	12	9	1,085
1957	2	AN	243	233	1,980	164	1	27	68	2,648	155	15	875	269	51	38	1,402	19	256	275	325	12	12	9	358
1958	1	W	336	243	1,844	181	1	27	0	2,632	604	20	875	269	51	38	1,856	75	280	354	1,266	12	12	9	1,299
1959	3	BN	237	222	2,087	157	2	26	71	2,731	187	15	875	269	51	38	1,434	23	373	396	390	12	12	9	424
1960	4	D	113	175	1,980	160	1	27	144	2,456	190	15	875	269	51	38	1,437	24	326	350	398	12	12	9	431
1961	4	D	166	178	1,983	152	0	28	113	2,507	266	13	875	269	2	87	1,511	33	274	307	544	12	0	21	577
1962	3	BN	252	238	2,014	163	1	27	62	2,695	248	15	875	269	49	40	1,495	31	373	403	519	12	12	9	553
1963	1	W	341	243	1,834	174	1	27	0	2,619	315	15	875	269	51	38	1,563	39	250	289	659	12	12	9	693
1964	4	D	129	194	2,075	159	1	27	135	2,584	221	15	875	269	51	38	1,468	27	327	354	462	12	12	9	496
1965	1	W	271	238	1,952	164	1	27	51	2,652	453	17	875	269	51	38	1,702	57	274	331	868	12	12	9	901
1966	3	BN	313	242	2,068	160	1	27	26	2,811	240	15	875	269	51	38	1,487	29	261	290	503	12	12	9	536
1967	1	W	338	241	1,818	177	1	26	0	2,602	609	20	875	269	51	38	1,861	75	280	355	1,276	12	12	9	1,309
1968	3	BN	229	224	1,955	173	1	26	76	2,609	188	15	875	269	51	38	1,435	23	355	378	394	12	12	9	427
1969	1	W	357	248	1,999	181	1	27	0	2,814	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1970	1	W	242	231	2,010	168	1	26	69	2,678	377	17	875	269	51	38	1,627	46	263	309	790	12	12	9	823
1971	1	W	322	242	2,066	163	1	27	21	2,821	196	15	875	269	51	38	1,443	24	248	272	410	12	12	9	444
1972	3	BN	184	203	2,074	174	1	27	103	2,663	245	15	875	269	51	38	1,492	30	261	291	513	12	12	9	547
1973	2	AN	356	252	1,978	166	1	27	0	2,780	338	16	875	269	51	38	1,586	42	262	304	706	12	12	9	739
1974	1	W	353	239	1,925	180	1	27	0	2,724	525	17	875	269	51	38	1,775	64	280	344	1,089	12	12	9	1,123
1975	1	W	357	240	2,000	171	1	27	0	2,796	367	15	875	269	51	38	1,614	45	260	306	729	12	12	9	763
1976	5	C	37	152	2,138	173	2	26	176	2,528	64	12	875	269	51	38	1,308	8	347	355	134	12	12	9	167
1977	5	C	18	123	1,741	107	0	21	209	2,010	31	11	674	202	0	66	983	4	334	338	64	9	0	16	89
1978	2	AN	356	245	1,931	162	2	26	0	2,721	575	20	875	269	49	40	1,827	72	284	356	1,200	12	12	9	1,233
1979	3	BN	207	211	1,972	173	1	27	89	2,591	340	16	875	269	51	38	1,588	42	268	311	709	12	12	9	742
1980	2	AN	295	247	1,970	170	1	26	37	2,711	504	20	875	269	51	38	1,756	62	288	350	1,056	12	12	9	1,090
1981	4	D	262	247	1,922	170	1	27	56	2,629	228	15	875	269	51	38	1,475	28	368	396	477	12	12	9	510
1982	1	W	328	252	1,829	181	1	27	0	2,617	609	20	875	269	51	38	1,861	75	280	355	1,156	12	12	9	1,190
1983	1	W	338	256	1,825	185	1	27	0	2,632	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1984	1	W	336	253	2,063	176	1	27	12	2,856	378	17	875	269	51	38	1,628	46	263	310	777	12	12	9	811
1985	4	D	247	224	1,998	162	1	26	65	2,659	281	15	875	269	51	38	1,528	34	274	308	588	12	12	9	622
1986	1	W	225	211	1,988	170	2	26	78	2,622	379	17	875	269	51	38	1,629	47	263	310	792	12	12	9	826
1987	4	D	81	189	2,030	144	0	27	164	2,471	133	14	875	269	23	66	1,380	17	368	385	277	12	3	18	311
1988	5	C	0	132	2,004	143	0	28	189	2,307	0	10	875	269	2	87	1,242	0	316	316	0	12	0	21	33
1989	4	D	70	169	1,980	153	0	28	167	2,401	115	14	875	269	0	89	1,361	15	264	279	238	12	0	21	272
1990	5	C	0	132	2,019	145	0	28	182	2,324	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	163	1,730	114	0	21	221	2,068	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	54	166	1,722	107	0	21	213	2,070	92	13	674	202	0	66	1,047	11	290	302	193	9	0	16	218
1993	2	AN	247	238	1,892	167	1	26	65	2,572	334	16	875	269	49	40	1,583	42	263	304	698	12	12	9	731
1994	5	C	217	202	1,745	118	0	21	123	2,303	297	15	674	202	0	66	1,253	36	396	432	622	9	0	16	647
1995	1	W	353	243	1,899	175	1	27	0	2,697	579	20	875	269	51	38	1,831	72	279	351	1,210	12	12	9	1,244
1996	1	W	343	241	1,862	164	1	26	0	2,637	432	17	875	269	51	38	1,681	53	274	327	856	12	12	9	889
1997	1	W	282	226	2,058	159	1	27	45	2,752	480	17	875	269	44	45	1,730	59	280	339	939	12	10	11	973
1998	1	W	312	249	1,783	186	1	27	0	2,558	608	20	875	269	51	38	1,860	75	280	355	1,144	12	12	9	1,178
1999	1	W	357	224	1,975	164	1	26	0	2,747	304	15	875	269	51	38	1,552	38	248	286	637	12	12	9	670
2000	2	AN	339	227	1,897	153	2	26	0	2,644	338	16	875	269	51	38	1,587	42	263	304	707	12	12	9	741
2001	4	D	115	192	1,958	149	1	26	143	2,441	194	15	875	269	51	38	1,441	24	386	410	406	12	12	9	440
2002	4	D	249	240	2,062	160	0	28	64	2,738	191	15	875	269	2	87	1,438	23	327	350	400	12	0	21	434

Table WS-CVP-9I

Alternative D

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		219	211	1,941	159	1	26	79	2,557	293	16	852	261	38	48	1,508	36	290	326	605	12	9	11	638
MIN:		0	123	1,717	99	0	21	0	2,006	0	10	674	202	0	38	960	0	242	251	0	9	0	9	33
MAX:		357	256	2,154	192	2	28	222	2,856	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
DP:	29-34, 76-77 and 87-92	33	150	1,885	130	0	24	183	2,222	55	12	774	235	7	71	1,154	7	317	324	116	11	1	17	145
AVG:	W	328	241	1,932	173	1	27	12	2,701	472	18	875	269	50	38	1,723	58	271	329	969	12	12	9	1,002
	AN	308	239	1,950	162	1	26	28	2,687	351	17	875	269	50	39	1,600	43	268	311	734	12	12	9	768
	BN	203	214	1,981	170	1	27	89	2,596	234	15	875	269	46	43	1,482	29	284	313	491	12	11	10	524
	D	141	191	1,977	154	1	27	129	2,491	199	14	864	265	28	60	1,429	25	313	337	415	12	7	14	448
	C	37	148	1,849	123	0	23	182	2,181	58	11	741	224	6	68	1,107	7	327	334	121	10	1	16	148
Rank	**Probability of Exceedence**																							
1	0.0%	357	256	2,154	192	2	28	222	2,856	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
2	1.3%	357	253	2,138	186	2	28	221	2,825	610	20	875	269	51	89	1,862	75	386	410	1,278	12	12	21	1,311
3	2.5%	357	252	2,087	185	2	28	218	2,821	610	20	875	269	51	89	1,862	75	383	407	1,278	12	12	21	1,311
4	3.8%	357	252	2,075	181	2	28	217	2,814	609	20	875	269	51	89	1,861	75	373	403	1,276	12	12	21	1,309
5	5.0%	357	249	2,074	181	2	28	213	2,811	609	20	875	269	51	89	1,861	75	373	396	1,272	12	12	21	1,306
6	6.3%	357	249	2,069	181	2	28	209	2,801	608	20	875	269	51	87	1,860	75	368	396	1,266	12	12	21	1,299
7	7.5%	357	249	2,068	180	2	28	189	2,796	608	20	875	269	51	87	1,860	75	368	385	1,210	12	12	21	1,244
8	8.8%	357	248	2,066	179	2	28	182	2,796	604	20	875	269	51	87	1,856	75	355	378	1,200	12	12	21	1,233
9	10.0%	357	248	2,063	178	1	28	180	2,780	579	20	875	269	51	87	1,831	72	353	365	1,156	12	12	21	1,190
10	11.3%	356	247	2,062	177	1	27	177	2,771	575	20	875	269	51	68	1,827	72	347	356	1,144	12	12	18	1,178
11	12.5%	356	247	2,058	176	1	27	176	2,766	530	20	875	269	51	66	1,782	66	344	355	1,109	12	12	18	1,143
12	13.8%	353	247	2,045	176	1	27	175	2,764	525	20	875	269	51	66	1,775	64	343	355	1,089	12	12	16	1,123
13	15.0%	353	246	2,030	175	1	27	174	2,757	509	20	875	269	51	66	1,759	63	342	355	1,056	12	12	16	1,090
14	16.3%	353	246	2,026	174	1	27	167	2,752	504	20	875	269	51	66	1,756	62	334	355	1,052	12	12	16	1,085
15	17.5%	349	245	2,025	174	1	27	164	2,752	502	20	875	269	51	66	1,755	61	327	355	1,032	12	12	16	1,066
16	18.8%	343	245	2,019	174	1	27	162	2,747	489	17	875	269	51	66	1,741	60	327	355	1,022	12	12	16	1,056
17	20.0%	341	245	2,018	173	1	27	156	2,738	480	17	875	269	51	66	1,731	59	327	355	1,003	12	12	16	1,037
18	21.3%	341	243	2,014	173	1	27	144	2,731	479	17	875	269	51	66	1,730	59	326	355	939	12	12	16	973
19	22.5%	339	243	2,010	173	1	27	143	2,724	453	17	875	269	51	66	1,702	57	325	354	868	12	12	16	901
20	23.8%	338	243	2,004	173	1	27	143	2,721	432	17	875	269	51	66	1,681	53	324	354	856	12	12	16	889
21	25.0%	338	243	2,003	173	1	27	138	2,711	379	17	875	269	51	63	1,629	47	317	352	793	12	12	15	826
22	26.3%	336	242	2,000	172	1	27	138	2,703	378	17	875	269	51	54	1,628	46	316	351	792	12	12	13	826
23	27.5%	336	242	1,999	171	1	27	135	2,697	378	17	875	269	51	49	1,628	46	290	351	792	12	12	11	826
24	28.8%	329	241	1,998	171	1	27	134	2,696	378	17	875	269	51	45	1,628	46	288	350	790	12	12	11	823
25	30.0%	328	241	1,998	170	1	27	123	2,695	377	17	875	269	51	45	1,627	46	288	350	777	12	12	10	811
26	31.3%	322	240	1,997	170	1	27	120	2,678	367	17	875	269	51	40	1,614	45	284	350	761	12	12	9	795
27	32.5%	313	240	1,995	170	1	27	116	2,663	365	17	875	269	51	40	1,614	45	280	349	747	12	12	9	781
28	33.8%	312	240	1,988	170	1	27	113	2,659	357	16	875	269	51	40	1,606	44	280	348	729	12	12	9	763
29	35.0%	303	240	1,987	169	1	27	103	2,654	340	16	875	269	51	40	1,588	42	280	345	709	12	12	9	742
30	36.3%	295	239	1,983	169	1	27	99	2,652	338	16	875	269	51	40	1,587	42	280	344	707	12	12	9	741
31	37.5%	292	238	1,980	169	1	27	96	2,649	338	16	875	269	51	38	1,586	42	280	342	706	12	12	9	739
32	38.8%	282	238	1,980	168	1	27	94	2,648	334	16	875	269	51	38	1,583	42	280	341	698	12	12	9	731
33	40.0%	280	238	1,980	167	1	27	89	2,647	325	15	875	269	51	38	1,573	41	280	339	683	12	12	9	716
34	41.3%	271	238	1,980	167	1	27	83	2,644	315	15	875	269	51	38	1,563	39	280	339	659	12	12	9	693
35	42.5%	264	238	1,978	167	1	27	78	2,638	306	15	875	269	51	38	1,553	38	280	338	637	12	12	9	670
36	43.8%	262	233	1,976	166	1	27	76	2,637	304	15	875	269	51	38	1,552	38	280	332	637	12	12	9	670
37	45.0%	252	231	1,976	166	1	27	75	2,632	297	15	875	269	51	38	1,534	36	280	331	622	12	12	9	647
38	46.3%	249	227	1,975	164	1	27	72	2,632	287	15	875	269	51	38	1,528	36	280	327	601	12	12	9	634
39	47.5%	247	226	1,972	164	1	27	71	2,632	281	15	875	269	51	38	1,521	34	280	326	588	12	12	9	622
40	48.8%	247	226	1,970	164	1	27	69	2,629	274	15	875	269	51	38	1,511	34	280	324	575	12	12	9	608
41	50.0%	243	224	1,967	164	1	27	68	2,622	266	15	875	269	51	38	1,506	33	280	321	544	12	12	9	577
42	51.3%	242	224	1,965	164	1	27	65	2,619	259	15	875	269	51	38	1,505	32	279	318	543	12	12	9	576
43	52.5%	237	224	1,962	164	1	27	65	2,617	258	15	875	269	51	38	1,496	32	275	318	539	12	12	9	572
44	53.8%	237	222	1,958	164	1	27	64	2,609	251	15	875	269	51	38	1,495	31	274	317	519	12	12	9	553
45	55.0%	230	217	1,955	163	1	27	62	2,602	248	15	875	269	51	38	1,492	31	274	316	518	12	12	9	552
46	56.3%	229	215	1,954	163	1	27	56	2,591	245	15	875	269	51	38	1,487	30	274	315	513	12	12	9	547
47	57.5%	225	215	1,953	162	1	27	51	2,584	240	15	875	269	51	38	1,480	29	274	313	503	12	12	9	536
48	58.8%	217	211	1,952	162	1	26	45	2,583	232	15	875	269	51	38	1,475	29	274	311	486	12	12	9	520
49	60.0%	217	211	1,952	162	1	26	45	2,572	228	15	875	269	51	38	1,469	28	274	310	477	12	12	9	510
50	61.3%	207	205	1,942	161	1	26	39	2,562	222	15	875	269	51	38	1,468	27	274	310	465	12	12	9	498
51	62.5%	195	203	1,931	160	1	26	39	2,558	221	15	875	269	51	38	1,463	27	273	310	462	12	12	9	496
52	63.8%	191	203	1,929	160	1	26	37	2,556	215	15	875	269	49	38	1,452	26	272	309	451	12	12	9	484
53	65.0%	184	202	1,925	160	1	26	32	2,548	204	15	875	269	49	38	1,444	26	271	308	427	12	12	9	460
54	66.3%	166	201	1,922	159	1	26	26	2,542	196	15	875	269	49	38	1,443	24	268	308	410	12	12	9	444
55	67.5%	161	194	1,917	159	1	26	21	2,528	196	15	875	269	49	38	1,442	24	264	307	410	12	12	9	443
56	68.8%	154	193	1,902	159	1	26	12	2,525	195	15	875	269	49	38	1,441	24	263	306	407	12	12	9	441
57	70.0%	130	192	1,899	158	1	26	10	2,507	194	15	875	269	44	38	1,438	24	263	306	406	12	11	9	440
58	71.3%	129	191	1,897	157	1	26	1	2,501	191	15	875	269	44	38	1,437	24	263	304	400	12	10	9	434
59	72.5%	124	190	1,895	153	1	26	0	2,471	190	15	875	269	40	38	1,435	23	263	304	398	12	10	9	431
60	73.8%	123	189	1,892	153	1	26	0	2,464	188	15	875	269	35	38	1,434	23	263	304	394	12	8	9	427
61	75.0%	116	189	1,880	153	1	26	0	2,456	187	15	875	269	26	38	1,411	23	263	302	390	12	6	9	424
62	76.3%	115	187	1,865	153	0	26	0	2,442	164	15	875	269	23	38	1,407	21	262	294	343	12	3	9	377
63	77.5%	113	179	1,862	152	0	26	0	2,441	159	14	875	269	21	38	1,402	20	262	293	334	12	3	9	367
64	78.8%	93	178	1,857	152	0	26	0	2,432	155	14	875	269	2	38	1,380	19	261	291	325	12	0	9	358
65	80.0%	81	175	1,844	152	0	26	0	2,422	133	13	875	269	2	38	1,361	17	261	291	277	12	0	9	311
66	81.3%	70	169	1,834	150	0	26	0	2,401	115	13	875	269	2	38	1,341	15	261	290	238	12	0	9	272
67	82.5%	58	166	1,829	149	0	26	0	2,355	96	13	875	269	2	38	1,313	12	261	289	199	12	0	9	233
68	83.8%	54	166	1,825	145	0	26	0	2,348	92	13	875	269	0	38	1,313	11	261	288	193	12	0	9	218
69	85.0%	45	165	1,818	145	0	26	0	2,324	75	12	875	269	0	38	1,308	9	260	287	156	12	0	9	181
70	86.3%	44	164	1,806	144	0	26	0	2,307	68	12	875	269	0	38	1,253	9	259	286	145	12	0	9	179
71	87.5%	40	163	1,792	143	0	26	0	2,303	68	12	875	269	0	38	1,242	8	258	285	143	12	0	9	177
72	88.8%	40	160	1,783	141	0	26	0	2,299	67	12	875	269	0	38	1,242	8	257	285	141	12	0	9	167
73	90.0%	37	152	1,774	125	0	21	0	2,264	64	12	674	202	0	38	1,242	8	256	282	134	9	0	9	166
74	91.3%	31	152	1,765	118	0	21	0	2,100	52	12	674	202	0	38	1,047	6	256	279	110	9	0	9	135
75	92.5%	25	147	1,765	117	0	21	0	2,087	42	11	674	202	0	38	1,029	5	256	278	89	9	0	9	114
76	93.8%	21	142	1,745	114	0	21	0	2,075	36	11	674	202	0	38	1,021	4	256	277	76	9	0	9	101
77	95.0%	18	133	1,742	107	0	21	0	2,070	31	11	674	202	0	38	1,006	4	250	275	64	9	0	9	89
78	96.3%	5	132	1,741	107	0	21	0	2,068	8	10	674	202	0	38	995	1	248	272	17	9	0	9	42
79	97.5%	0	132	1,730	106	0	21	0	2,051	0	10	674	202	0	38	989	0	248	268	0	9	0	9	33
80	98.8%	0	127	1,722	101	0	21	0	2,010	0	10	674	202	0	38	983	0	248	267	0	9	0	9	33
81	100.0%	0	123	1,717	99	0	21	0	2,006	0	10	674	202	0	38	960	0	242	251	0	9	0	9	33

Table WS-CVP-9m

			Alternative D							Alternative D						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,928	557	2,485	2,900	447	65	73	100%	80%	100%	100%	100%	100%	100%
1923	3	BN	1,071	493	1,564	2,878	450	65	73	66%	42%	91%	75%	100%	100%	100%
1924	5	C	138	486	624	2,465	317	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,244	488	1,732	2,740	442	0	137	56%	56%	81%	81%	100%	100%	100%
1926	4	D	260	520	781	2,755	431	0	137	11%	11%	61%	61%	100%	100%	100%
1927	1	W	1,574	526	2,100	2,851	439	62	75	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	884	472	1,355	2,851	434	64	73	53%	35%	78%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	422	25	113	0%	0%	50%	50%	100%	100%	100%
1930	4	D	366	530	895	2,827	434	2	135	16%	16%	66%	66%	100%	100%	100%
1931	5	C	200	434	633	2,438	310	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	284	423	706	2,439	328	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	462	493	2,448	335	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	161	497	659	2,391	312	0	103	7%	7%	57%	57%	75%	77%	75%
1935	3	BN	267	420	687	2,770	448	0	137	13%	13%	63%	63%	100%	100%	100%
1936	3	BN	844	464	1,308	2,817	457	43	94	36%	36%	75%	75%	100%	100%	100%
1937	3	BN	780	479	1,259	2,828	473	62	75	35%	35%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,828	460	64	73	100%	100%	100%	100%	100%	100%	100%
1939	4	D	755	585	1,340	3,029	426	33	105	36%	32%	75%	75%	100%	100%	100%
1940	2	AN	1,226	520	1,746	2,792	434	55	82	85%	47%	100%	75%	100%	100%	100%
1941	1	W	2,034	547	2,581	2,681	453	64	73	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,953	538	2,491	2,732	454	64	73	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,821	543	2,364	2,855	452	64	73	78%	78%	100%	100%	100%	100%	100%
1944	4	D	606	480	1,086	2,842	433	64	73	26%	26%	75%	75%	100%	100%	100%
1945	3	BN	1,388	505	1,893	2,804	454	64	73	61%	61%	86%	86%	100%	100%	100%
1946	3	BN	1,440	526	1,966	2,944	451	64	73	82%	59%	100%	84%	100%	100%	100%
1947	4	D	983	468	1,451	2,873	448	52	86	43%	43%	75%	75%	100%	100%	100%
1948	3	BN	793	498	1,291	2,617	443	64	74	78%	29%	100%	75%	100%	100%	100%
1949	4	D	1,211	506	1,717	2,870	445	64	73	64%	51%	89%	76%	100%	100%	100%
1950	3	BN	742	479	1,221	2,900	450	64	73	32%	32%	75%	75%	100%	100%	100%
1951	2	AN	1,558	536	2,093	2,862	445	64	73	95%	62%	100%	87%	100%	100%	100%
1952	1	W	2,312	546	2,857	2,837	460	64	73	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,100	501	1,601	2,839	450	64	73	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,157	515	1,672	2,777	445	64	73	100%	41%	100%	75%	100%	100%	100%
1955	4	D	1,043	479	1,523	2,893	440	64	73	45%	45%	75%	75%	100%	100%	100%
1956	1	W	1,973	544	2,517	2,872	455	65	73	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	741	504	1,245	2,854	445	64	73	68%	25%	93%	75%	100%	100%	100%
1958	1	W	2,280	543	2,823	2,719	462	64	73	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	837	610	1,447	2,962	438	64	73	66%	31%	91%	75%	100%	100%	100%
1960	4	D	725	516	1,241	2,855	441	64	73	32%	32%	75%	75%	100%	100%	100%
1961	4	D	1,009	465	1,474	2,858	433	2	135	46%	44%	75%	75%	100%	100%	100%
1962	3	BN	1,050	626	1,676	2,889	444	62	76	71%	41%	96%	75%	100%	100%	100%
1963	1	W	1,354	509	1,863	2,708	455	64	73	100%	52%	100%	77%	100%	100%	100%
1964	4	D	839	535	1,375	2,950	440	64	73	36%	36%	75%	75%	100%	100%	100%
1965	1	W	1,649	528	2,177	2,827	445	64	73	79%	79%	100%	100%	100%	100%	100%
1966	3	BN	1,086	518	1,603	2,943	441	64	73	88%	39%	100%	75%	100%	100%	100%
1967	1	W	2,298	541	2,839	2,693	458	64	73	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	834	594	1,428	2,829	454	64	73	64%	31%	89%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,874	462	64	73	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,455	511	1,967	2,884	449	64	73	68%	62%	93%	87%	100%	100%	100%
1971	1	W	952	505	1,457	2,941	445	64	73	90%	32%	100%	75%	100%	100%	100%
1972	3	BN	972	479	1,452	2,949	455	64	74	51%	40%	76%	75%	100%	100%	100%
1973	2	AN	1,441	531	1,972	2,853	447	64	73	100%	55%	100%	80%	100%	100%	100%
1974	1	W	2,031	537	2,568	2,800	461	64	73	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,498	515	2,013	2,875	452	64	74	100%	60%	100%	85%	100%	100%	100%
1976	5	C	243	511	754	3,012	454	65	73	10%	10%	60%	60%	100%	100%	100%
1977	5	C	116	468	584	2,414	318	0	103	5%	5%	55%	55%	75%	77%	75%
1978	2	AN	2,203	549	2,752	2,805	443	63	75	100%	96%	100%	100%	100%	100%	100%
1979	3	BN	1,298	496	1,794	2,847	454	64	74	58%	57%	83%	82%	100%	100%	100%
1980	2	AN	1,918	555	2,473	2,845	451	64	73	83%	83%	100%	100%	100%	100%	100%
1981	4	D	994	630	1,624	2,797	451	64	74	73%	37%	98%	75%	100%	100%	100%
1982	1	W	2,168	552	2,720	2,704	462	64	74	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,700	466	64	74	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,539	533	2,072	2,938	457	64	74	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,151	513	1,664	2,873	443	64	73	69%	46%	94%	75%	100%	100%	100%
1986	1	W	1,443	491	1,934	2,862	451	65	73	63%	63%	88%	88%	100%	100%	100%
1987	4	D	508	571	1,079	2,905	425	27	111	23%	23%	73%	73%	100%	100%	100%
1988	5	C	0	458	458	2,879	424	2	135	0%	0%	50%	50%	100%	100%	100%
1989	4	D	438	447	885	2,855	434	0	137	20%	20%	70%	70%	100%	100%	100%
1990	5	C	0	459	459	2,894	426	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	519	775	2,404	325	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	351	469	820	2,396	317	0	103	15%	15%	65%	65%	75%	77%	75%
1993	2	AN	1,321	517	1,838	2,767	448	62	75	69%	56%	94%	81%	100%	100%	100%
1994	5	C	1,172	613	1,785	2,419	329	0	103	61%	48%	86%	75%	75%	77%	75%
1995	1	W	2,214	543	2,757	2,774	456	64	74	100%	96%	100%	100%	100%	100%	100%
1996	1	W	1,684	531	2,216	2,736	445	64	73	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,761	523	2,284	2,933	440	55	82	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,139	549	2,688	2,658	467	64	74	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,336	487	1,823	2,849	445	64	73	100%	50%	100%	75%	100%	100%	100%
2000	2	AN	1,427	506	1,932	2,771	434	65	73	100%	56%	100%	81%	100%	100%	100%
2001	4	D	739	593	1,332	2,833	430	64	73	32%	32%	75%	75%	100%	100%	100%
2002	4	D	864	581	1,445	2,937	441	2	135	70%	31%	95%	75%	100%	100%	100%

Table WS-CVP-9m

		Alternative D							Alternative D						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,153	517	1,671	2,793	433	48	86	62%	48%	86%	79%	97%	97%	97%
MIN:		0	420	458	2,391	310	0	73	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	630	2,868	3,029	473	65	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	211	480	691	2,659	376	9	112	9%	9%	59%	59%	88%	88%	88%
	W	1,827	530	2,358	2,807	454	64	74	94%	78%	99%	94%	100%	100%	100%
	AN	1,437	524	1,960	2,825	443	63	74	87%	58%	97%	84%	100%	100%	100%
AVG:	BN	957	513	1,471	2,856	451	58	80	57%	39%	86%	76%	100%	100%	100%
	D	779	518	1,297	2,840	431	35	100	39%	33%	77%	73%	99%	99%	99%
	C	222	487	709	2,590	357	8	107	10%	9%	58%	57%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	630	2,868	3,029	473	65	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	626	2,860	3,012	467	65	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,312	613	2,857	2,962	466	65	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	610	2,857	2,950	462	65	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,298	594	2,839	2,949	462	65	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,280	593	2,823	2,944	462	65	135	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,214	585	2,757	2,943	461	64	135	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,203	581	2,752	2,941	460	64	135	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,168	571	2,720	2,938	460	64	135	100%	96%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,688	2,937	458	64	113	100%	96%	100%	100%	100%	100%	100%
11	12.5%	2,034	556	2,581	2,933	457	64	111	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,031	555	2,568	2,920	457	64	105	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,973	552	2,517	2,905	456	64	103	100%	83%	100%	100%	100%	100%	100%
14	16.3%	1,953	549	2,491	2,900	455	64	103	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,928	549	2,485	2,900	455	64	103	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,918	548	2,473	2,894	455	64	103	100%	80%	100%	100%	100%	100%	100%
17	20.0%	1,821	547	2,364	2,893	454	64	103	100%	79%	100%	100%	100%	100%	100%
18	21.3%	1,761	546	2,284	2,889	454	64	103	100%	79%	100%	100%	100%	100%	100%
19	22.5%	1,684	544	2,216	2,884	454	64	103	100%	78%	100%	100%	100%	100%	100%
20	23.8%	1,649	543	2,177	2,879	454	64	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,574	543	2,100	2,878	454	64	103	100%	63%	100%	88%	100%	100%	100%
22	26.3%	1,558	543	2,093	2,875	453	64	94	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,539	541	2,072	2,874	452	64	86	100%	62%	100%	87%	100%	100%	100%
24	28.8%	1,498	540	2,013	2,873	452	64	82	100%	62%	100%	87%	100%	100%	100%
25	30.0%	1,455	538	1,972	2,873	451	64	82	95%	62%	100%	87%	100%	100%	100%
26	31.3%	1,443	537	1,967	2,872	451	64	76	94%	61%	100%	86%	100%	100%	100%
27	32.5%	1,441	536	1,966	2,870	451	64	75	90%	60%	100%	85%	100%	100%	100%
28	33.8%	1,440	535	1,934	2,862	451	64	75	88%	59%	100%	84%	100%	100%	100%
29	35.0%	1,427	533	1,932	2,862	450	64	75	85%	57%	100%	82%	100%	100%	100%
30	36.3%	1,388	531	1,893	2,858	450	64	75	83%	56%	100%	81%	100%	100%	100%
31	37.5%	1,354	531	1,863	2,855	450	64	74	82%	56%	100%	81%	100%	100%	100%
32	38.8%	1,336	530	1,838	2,855	449	64	74	79%	56%	100%	81%	100%	100%	100%
33	40.0%	1,321	528	1,823	2,855	448	64	74	79%	55%	100%	80%	100%	100%	100%
34	41.3%	1,298	526	1,794	2,854	448	64	74	78%	52%	100%	77%	100%	100%	100%
35	42.5%	1,244	526	1,785	2,853	448	64	74	78%	51%	100%	76%	100%	100%	100%
36	43.8%	1,226	523	1,746	2,851	447	64	74	73%	50%	98%	75%	100%	100%	100%
37	45.0%	1,211	520	1,732	2,851	447	64	74	71%	48%	96%	75%	100%	100%	100%
38	46.3%	1,172	520	1,717	2,849	445	64	74	70%	47%	95%	75%	100%	100%	100%
39	47.5%	1,157	519	1,676	2,847	445	64	74	69%	46%	94%	75%	100%	100%	100%
40	48.8%	1,151	518	1,672	2,845	445	64	74	69%	45%	94%	75%	100%	100%	100%
41	50.0%	1,100	517	1,664	2,842	445	64	73	68%	44%	93%	75%	100%	100%	100%
42	51.3%	1,086	516	1,624	2,839	445	64	73	68%	43%	93%	75%	100%	100%	100%
43	52.5%	1,071	515	1,603	2,837	445	64	73	66%	42%	91%	75%	100%	100%	100%
44	53.8%	1,050	515	1,601	2,833	445	64	73	66%	41%	91%	75%	100%	100%	100%
45	55.0%	1,043	513	1,564	2,829	445	64	73	64%	41%	89%	75%	100%	100%	100%
46	56.3%	1,009	511	1,523	2,828	444	64	73	64%	40%	89%	75%	100%	100%	100%
47	57.5%	994	511	1,474	2,828	443	64	73	63%	39%	88%	75%	100%	100%	100%
48	58.8%	983	509	1,457	2,827	443	64	73	61%	38%	86%	75%	100%	100%	100%
49	60.0%	972	506	1,452	2,827	443	64	73	61%	37%	86%	75%	100%	100%	100%
50	61.3%	952	506	1,451	2,817	442	64	73	58%	36%	83%	75%	100%	100%	100%
51	62.5%	884	505	1,447	2,805	441	64	73	56%	36%	81%	75%	100%	100%	100%
52	63.8%	864	505	1,445	2,804	441	63	73	53%	35%	78%	75%	100%	100%	100%
53	65.0%	844	504	1,428	2,800	441	62	73	51%	35%	76%	75%	100%	100%	100%
54	66.3%	839	501	1,375	2,797	440	62	73	46%	32%	75%	75%	100%	100%	100%
55	67.5%	837	498	1,355	2,792	440	62	73	45%	32%	75%	75%	100%	100%	100%
56	68.8%	834	497	1,340	2,777	440	62	73	43%	32%	75%	75%	100%	100%	100%
57	70.0%	793	496	1,332	2,774	439	55	73	36%	32%	75%	75%	100%	100%	100%
58	71.3%	780	493	1,308	2,771	438	55	73	36%	32%	75%	75%	100%	100%	100%
59	72.5%	755	491	1,291	2,770	434	52	73	36%	31%	75%	75%	100%	100%	100%
60	73.8%	742	488	1,259	2,767	434	43	73	35%	31%	75%	75%	100%	100%	100%
61	75.0%	741	487	1,245	2,755	434	33	73	32%	31%	75%	75%	100%	100%	100%
62	76.3%	739	486	1,241	2,740	434	27	73	32%	29%	75%	75%	100%	100%	100%
63	77.5%	725	480	1,221	2,736	434	25	73	32%	26%	75%	75%	100%	100%	100%
64	78.8%	606	479	1,086	2,732	433	2	73	26%	25%	75%	75%	100%	100%	100%
65	80.0%	508	479	1,079	2,719	433	2	73	23%	23%	73%	73%	100%	100%	100%
66	81.3%	438	479	895	2,708	431	2	73	20%	20%	70%	70%	100%	100%	100%
67	82.5%	366	479	885	2,704	430	2	73	16%	16%	66%	66%	100%	100%	100%
68	83.8%	351	472	820	2,700	426	0	73	15%	15%	65%	65%	100%	100%	100%
69	85.0%	284	469	781	2,693	426	0	73	13%	13%	63%	63%	100%	100%	100%
70	86.3%	267	468	775	2,681	425	0	73	12%	12%	62%	62%	100%	100%	100%
71	87.5%	260	468	754	2,658	424	0	73	11%	11%	61%	61%	100%	100%	100%
72	88.8%	256	467	706	2,617	422	0	73	11%	11%	61%	61%	100%	100%	100%
73	90.0%	243	465	687	2,465	335	0	73	10%	10%	60%	60%	75%	77%	75%
74	91.3%	200	464	659	2,448	329	0	73	9%	9%	59%	59%	75%	77%	75%
75	92.5%	161	462	633	2,439	328	0	73	7%	7%	57%	57%	75%	77%	75%
76	93.8%	138	459	624	2,438	325	0	73	6%	6%	56%	56%	75%	77%	75%
77	95.0%	116	458	584	2,419	318	0	73	5%	5%	55%	55%	75%	77%	75%
78	96.3%	31	447	493	2,414	317	0	73	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	434	467	2,404	317	0	73	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	423	459	2,396	312	0	73	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	420	458	2,391	310	0	73	0%	0%	50%	50%	75%	77%	75%

Table WS-CVP-9n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
			Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,821	71	285	356	1,187	12	0	21	1,220
1979	3	BN	173	196	1,962	171	0	28	0	2,530	290	15	875	269	0	89	1,537	36	261	297	605	12	0	21	639
1980	2	AN	270	243	1,970	166	0	28	0	2,677	460	20	875	269	0	89	1,713	57	288	344	965	12	0	21	998
1981	4	D	248	241	1,916	160	0	28	0	2,593	244	15	875	269	0	89	1,492	30	368	398	512	12	0	21	545
1982	1	W	328	251	1,822	188	0	28	0	2,617	609	20	875	269	0	89	1,861	75	280	355	1,148	12	0	21	1,182
1983	1	W	338	256	1,820	188	0	28	0	2,630	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1984	1	W	316	253	2,053	164	0	28	0	2,814	380	17	875	269	0	89	1,629	47	264	310	716	12	0	21	749
1985	4	D	238	220	1,997	162	0	28	0	2,644	280	15	875	269	0	89	1,527	34	274	308	587	12	0	21	620
1986	1	W	212	208	1,981	169	0	28	0	2,598	358	17	875	269	0	89	1,607	44	258	303	749	12	0	21	782
1987	4	D	76	181	2,026	136	0	28	0	2,446	124	14	875	269	0	89	1,370	16	366	382	258	12	0	21	291
1988	5	C	0	128	2,011	130	0	28	0	2,297	0	10	875	269	0	89	1,242	0	316	316	0	12	0	21	33
1989	4	D	87	177	1,979	157	0	28	0	2,428	142	15	875	269	0	89	1,388	18	270	288	294	12	0	21	327
1990	5	C	0	135	2,014	137	0	28	0	2,313	0	10	875	269	0	89	1,242	0	317	317	0	12	0	21	33
1991	5	C	40	167	1,721	115	0	21	0	2,064	67	12	674	202	0	66	1,021	8	343	352	141	9	0	16	166
1992	5	C	57	157	1,716	107	0	21	0	2,058	97	11	674	202	0	66	1,050	12	291	303	176	9	0	16	201
1993	2	AN	228	229	1,891	160	0	28	0	2,537	316	16	875	269	0	89	1,564	39	259	298	660	12	0	21	693
1994	5	C	212	201	1,734	118	0	21	0	2,285	340	14	674	202	0	66	1,296	36	395	431	700	9	0	16	725
1995	1	W	353	238	1,890	176	0	28	0	2,685	587	20	875	269	0	89	1,839	73	280	352	1,226	12	0	21	1,260
1996	1	W	343	241	1,853	165	0	28	0	2,629	437	17	875	269	0	89	1,686	54	275	328	878	12	0	21	911
1997	1	W	257	225	2,052	167	0	28	0	2,730	439	19	875	269	0	89	1,691	54	276	330	921	12	0	21	954
1998	1	W	312	257	1,780	183	0	28	0	2,560	608	20	875	269	0	89	1,860	75	280	355	1,144	12	0	21	1,178
1999	1	W	357	224	1,969	152	0	28	0	2,731	329	16	875	269	0	89	1,577	41	253	294	689	12	0	21	722
2000	2	AN	339	231	1,871	153	0	28	0	2,622	332	16	875	269	0	89	1,580	41	261	302	693	12	0	21	727
2001	4	D	93	192	1,954	140	0	28	0	2,407	159	15	875	269	0	89	1,406	20	386	405	332	12	0	21	365
2002	4	D	248	239	2,064	157	0	28	0	2,736	214	15	875	269	0	89	1,461	26	327	353	448	12	0	21	481

Table WS-CVP-9n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
		Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Total (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	**Probability of Exceedence**																							
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	722
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	688	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,622	327	15	875	269	0	89	1,564	39	280	335	660	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542	12	0	21	576
43	52.5%	226	219	1,956	159	0	28	0	2,593	253	15	875	269	0	89	1,498	31	277	321	529	12	0	21	563
44	53.8%	224	217	1,954	159	0	28	0	2,585	251	15	875	269	0	89	1,498	31	276	318	526	12	0	21	559
45	55.0%	220	212	1,954	158	0	28	0	2,575	251	15	875	269	0	89	1,496	31	275	317	525	12	0	21	558
46	56.3%	214	208	1,949	158	0	28	0	2,574	251	15	875	269	0	89	1,492	30	274	316	513	12	0	21	546
47	57.5%	212	205	1,947	157	0	28	0	2,560	244	15	875	269	0	89	1,479	29	274	310	512	12	0	21	545
48	58.8%	212	205	1,946	157	0	28	0	2,540	232	15	875	269	0	89	1,479	29	274	310	485	12	0	21	518
49	60.0%	203	202	1,943	157	0	28	0	2,537	232	15	875	269	0	89	1,464	27	274	308	484	12	0	21	518
50	61.3%	186	201	1,942	157	0	28	0	2,532	217	15	875	269	0	89	1,464	27	272	304	455	12	0	21	488
51	62.5%	180	196	1,931	157	0	28	0	2,530	217	15	875	269	0	89	1,461	27	270	303	453	12	0	21	487
52	63.8%	174	196	1,921	156	0	28	0	2,508	214	15	875	269	0	89	1,459	27	268	303	448	12	0	21	481
53	65.0%	173	196	1,918	156	0	28	0	2,501	212	15	875	269	0	89	1,448	26	267	303	441	12	0	21	475
54	66.3%	172	195	1,916	156	0	28	0	2,498	201	15	875	269	0	89	1,445	25	264	303	420	12	0	21	453
55	67.5%	152	195	1,906	155	0	28	0	2,495	198	15	875	269	0	89	1,442	24	263	302	414	12	0	21	447
56	68.8%	138	194	1,897	154	0	28	0	2,486	195	15	875	269	0	89	1,437	24	262	300	407	12	0	21	441
57	70.0%	111	194	1,891	153	0	28	0	2,482	190	15	875	269	0	89	1,425	23	261	299	397	12	0	21	431
58	71.3%	108	192	1,891	153	0	28	0	2,482	178	15	875	269	0	89	1,421	22	261	299	371	12	0	21	404
59	72.5%	104	190	1,890	153	0	28	0	2,480	174	15	875	269	0	89	1,408	22	261	298	363	12	0	21	396
60	73.8%	95	189	1,880	152	0	28	0	2,456	161	15	875	269	0	89	1,406	20	261	297	336	12	0	21	369
61	75.0%	93	187	1,871	151	0	28	0	2,446	159	14	875	269	0	89	1,401	20	261	297	332	12	0	21	365
62	76.3%	90	182	1,870	150	0	28	0	2,443	154	14	875	269	0	89	1,398	19	261	297	323	12	0	21	357
63	77.5%	88	181	1,854	150	0	28	0	2,434	150	14	875	269	0	89	1,388	19	261	294	315	12	0	21	348
64	78.8%	87	179	1,853	150	0	28	0	2,428	142	14	875	269	0	89	1,371	18	261	293	294	12	0	21	327
65	80.0%	76	179	1,837	150	0	28	0	2,407	125	14	875	269	0	89	1,370	16	260	293	261	12	0	21	295
66	81.3%	73	179	1,829	146	0	28	0	2,397	124	13	875	269	0	89	1,358	15	259	292	258	12	0	21	291
67	82.5%	73	177	1,822	141	0	28	0	2,337	112	13	875	269	0	89	1,334	15	259	292	238	12	0	21	271
68	83.8%	57	173	1,820	140	0	28	0	2,336	97	13	875	269	0	89	1,314	12	259	291	186	12	0	21	220
69	85.0%	52	167	1,817	137	0	28	0	2,322	89	12	875	269	0	89	1,296	11	258	288	176	12	0	21	201
70	86.3%	43	159	1,802	136	0	28	0	2,313	74	12	875	269	0	89	1,284	9	258	285	154	12	0	21	179
71	87.5%	42	157	1,783	134	0	28	0	2,297	70	12	875	269	0	89	1,242	9	257	285	145	12	0	21	179
72	88.8%	40	156	1,780	130	0	28	0	2,285	67	12	875	269	0	89	1,242	8	256	283	141	12	0	21	166
73	90.0%	29	152	1,774	123	0	21	0	2,278	49	12	674	202	0	66	1,242	6	256	281	103	9	0	16	128
74	91.3%	27	149	1,772	118	0	21	0	2,093	47	11	674	202	0	66	1,050	6	256	280	98	9	0	16	123
75	92.5%	25	148	1,753	115	0	21	0	2,075	43	11	674	202	0	66	1,028	5	256	280	89	9	0	16	118
76	93.8%	24	144	1,734	112	0	21	0	2,069	40	11	674	202	0	66	1,021	5	255	279	85	9	0	16	114
77	95.0%	14	135	1,722	108	0	21	0	2,064	25	11	674	202	0	66	1,002	3	253	273	52	9	0	16	77
78	96.3%	5	133	1,721	107	0	21	0	2,058	8	10	674	202	0	66	1,000	1	250	273	17	9	0	16	42
79	97.5%	0	132	1,716	94	0	21	0	2,052	0	10	674	202	0	66	996	0	248	267	0	9	0	16	33
80	98.8%	0	128	1,679	93	0	21	0	1,959	0	10	674	202	0	66	977	0	248	266	0	9	0	16	33
81	100.0%	0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33

Table WS-CVP-9o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-9o

		No Action Alternative							No Action Alternative						
		Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
AVG:	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	467	783	2,677	417	0	137	12%	12%	62%	62%	100%	100%	100%
71	87.5%	267	467	779	2,654	415	0	137	12%	12%	62%	62%	100%	100%	100%
72	88.8%	256	465	702	2,597	411	0	137	11%	11%	61%	61%	100%	100%	100%
73	90.0%	187	465	677	2,456	334	0	103	8%	8%	58%	58%	75%	77%	75%
74	91.3%	177	464	655	2,448	329	0	103	8%	8%	58%	58%	75%	77%	75%
75	92.5%	162	462	652	2,445	326	0	103	7%	7%	57%	57%	75%	77%	75%
76	93.8%	154	462	619	2,427	323	0	103	7%	7%	57%	57%	75%	77%	75%
77	95.0%	94	460	566	2,408	319	0	103	4%	4%	54%	54%	75%	77%	75%
78	96.3%	31	454	498	2,395	318	0	103	1%	1%	51%	51%	75%	77%	75%
79	97.5%	0	444	467	2,390	305	0	103	0%	0%	50%	50%	75%	77%	75%
80	98.8%	0	432	462	2,353	304	0	103	0%	0%	50%	50%	75%	77%	75%
81	100.0%	0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%