

Reservoir Committee and Authority Board Meeting

Agenda Item 2.1: 2023 – 2024 Proposed Sites
Reservoir Test Pits, Fault Studies and Quarry
Studies

December 16, 2022



2023 – 2024 Proposed Sites Reservoir Test Pits, Fault Studies and Quarry Studies

- Field investigations to support engineering and design development
 - Test Pits provide information regarding quantity and quality of borrow materials at proposed quarry locations, as well as information regarding pipeline trench stability
 - Fault Studies provide information regarding the location and stratigraphy of suspected and known fault traces/zones and to further evaluate the areas for evidence of last movement
 - Quarry Studies gather information regarding the quantity and quality of borrow materials proposed for dam and reservoir feature construction fill and to assess the means and methods needed to remove overburden and rock materials during construction
- Locations in Glenn, Colusa, and Yolo Counties

Investigation Types, Approximate Numbers, and Approximate Depths by Proposed Sites Reservoir Feature

Proposed Sites Reservoir Feature	Approximate Numbers, Investigation Types, and Approximate Depths
Sites Reservoir	Up to 76 test pits, 18 to 20 feet below grade Up to 9 fault studies, 10 to 15 feet below grade Up to 7 quarry studies, 15 to 20 feet below grade
Funks Reservoir	Up to 3 test pits, 18 to 20 feet below grade Up to 2 fault studies, 10 to 15 feet below grade
Terminal Regulating Reservoir and Pipeline	Up to 4 test pits, 18 to 20 feet below grade
Dunnigan Pipeline	Up to 1 test pit, 18 to 20 feet below grade
Total	Up to 84 test pits, 18 to 20 feet below grade Up to 11 fault studies, 10 to 15 feet below grade Up to 7 quarry studies, 15 to 20 feet below grade

Initial Study and Mitigated Negative Declaration

- Draft Initial Study and Mitigated Negative Declaration circulated for public review September 23 – October 22, 2022
 - Comments received from 3 State agencies: CDFW; DTSC; and CV RWQCB
 - Comments mostly advisory
 - Minor revisions requested to mitigation measures
 - Discussions with tribes resulted in minor revisions to mitigation measures
- Mitigation Monitoring and Reporting Program
 - Monitor implementation of mitigation measures

Mitigation Measures

Resource Area	Summary of Mitigation Measures
General	Conduct pre-investigation siting survey for biological, cultural, and Tribal resources; reprioritize or postpone proposed investigations if sensitive resources cannot be avoided
Biological Resources	Conduct mandatory biological resources awareness training; general measures to avoid and minimize effects on sensitive biological resources; measures to avoid and minimize effects on waters of the U.S./State; species-specific measures for state and federally listed plant and animal species along with migratory birds and eagles; and decontamination of equipment for aquatic invasive species. Adjust work locations as needed to avoid known resources
Paleontological Resources	Consult with qualified paleontologist if paleontological resources are discovered. Adjust work locations as needed to avoid known resources
Cultural Resources	Avoid impacts on known cultural resources; conduct pre-activity pedestrian survey; prepare a post-review Discovery Plan; conduct archeological and tribal sensitivity training; conduct archeological and tribal monitoring, and immediately halt ground-disturbing activities if cultural resources or human remains are found and implement appropriate plans. Adjust work locations as needed to avoid known resources
Tribal Cultural Resources	Avoid or preserve in place; treat resources with culturally appropriate dignity, and implement permanent conservation easements for any resources found. Adjust work locations as needed to avoid known resources

Change Made to MM Bio-6; Giant Garter Snake After Packet Posted

- Measure prohibits activities in aquatic habitat and within 200 feet of suitable upland habitat
- Language was confusing as it appeared to allow work in upland habitat under certain conditions
- Revised language to take out confusing statements and reconfirm that no work would occur within 200 feet of suitable upland habitat

Change Made to Mitigated Negative Declaration After Packet Posted

- For mitigated negative declarations and when mitigation measures are changed between draft and final adoption, CEQA requires the lead agency to find:
 - Revised mitigation measures are equivalent or more effective in mitigating environmental impacts
 - Revised mitigation measures would not, in themselves, cause any potentially significant effects
- Added this specific finding in the revised MND posted on December 14

Permitting and Schedule

- Permits
 - No environmental permits are required for this geotechnical investigation effort
 - Full avoidance of known biological, cultural, and tribal resources
- Work scheduled to begin January 2023 and end by December 2024

Requested Action

- Request **Reservoir Committee recommend** and the **Authority Board approve** the following actions:
 - Adopt the CEQA Initial Study/Mitigated Negative Declaration (as revised)
 - Adopt the Mitigation Monitoring and Reporting Program
 - Approve the Project
 - Authorize the Executive Director to file all related notices and pay all related fees