

# Environmental Planning and Permitting Workgroup

May 12, 2022



# Agenda

- UC Santa Cruz contract for Winter-run Life Cycle Modeling Effort
- Environmental Permitting and Planning Manager Report
  - Key Planning Activities Report
- Upcoming Meetings

# UC Santa Cruz Contract for Winter-run Lifecycle Modeling Effort

Ali Forsythe

# Winter-run Lifecycle Model Background

- Evaluates the effects of water operations on the population dynamics of Sacramento River winter-run Chinook salmon
  - Integrate effects across entire life-cycle and multiple environmental conditions
  - Sacramento River focused
- Includes the lifecycle model and a series of submodels

# Model Review and “Ownership”

- Initially developed in 2014 by NMFS, who contracted development to UC Santa Cruz
- Continued development and expansion
- Full model and submodels have never been released
- Some components of the model documented in published papers, but not all
- UC Santa Cruz is the only organization that can run the model as it has not been released publicly

# Requests to Run Winter-run Lifecycle Model

- NMFS
  - RDEIR/SDEIS comments
  - Biological Opinion analysis
- CDFW
  - RDEIR/SDEIS comments
  - Operations ITP analysis
- USEPA
  - RDEIR/SDEIS comments

## Slide 6

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**EHO**

I would note specifically that we anticipate use of the model will be required for issuance of ITP, BO. Jerry wanted to be sure we focused in the sole-source memo on why we absolutely need this model vs. why our other ones aren't sufficient.

Erin Heydinger, 2022-05-12T17:54:13.154

**AFO 0**

Yep. I will mention this in the discussion

Alicia Forsythe, 2022-05-12T19:13:02.409

# Proposed Contract

- Proposed sole source contract with UC Santa Cruz to run the model
  - UC Santa Cruz is the only organization that has and can run the model
  - University team works with NMFS team to complete the effort
- Contract not to exceed \$200K
- Issued RFP on April 26
- Expect proposal on May 16
- Contact with UC Santa Cruz, NMFS funds its own efforts



# Scope of Work

EHO

- Three Tasks
  1. Evaluate effects of initial two proposed Project operations on winter-run population dynamics (plus a baseline)
  2. Second batch of baseline and two proposed Project operations
  3. Third batch of baseline and two proposed Project operations
- Subtasks for each task
  - Project management
  - Database management
  - Generate habitat capacity estimates
  - Generate delta smolt survival estimates
  - Generate life-cycle model results
  - Communicate life-cycle model results
- Each task takes about 3-4 months, all efforts to be completed by March 2023

**Slide 8**

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**EHO**

I changed this to two operations plus a baseline so it's clear it's not three with-sites scenarios

Erin Heydinger, 2022-05-12T17:55:57.836

**AFO 0**

Good catch

Alicia Forsythe, 2022-05-12T19:14:33.958

# Considerations

- Documentation of key model assumptions
- Discuss results with Sites Project
- Not release results until Sites approves
  - Iterative process, initial results may not be representative of Project effects

# Environmental Planning and Permitting Manager Report

Ali Forsythe

# Dashboard Update

Deliverable	Start	Finish	Status	Notes, New or Potential Issues
Negotiate and Execute Benefits Contracts with DWR & CDFW	Jun-22	Jun-23	N/S	
<b>Water Right Application</b>				
• Submit to State Board	Sep-20	May-22	●	Submitted on May 11
• Complete Protest Resolution Period	May-22	Dec-22	N/S	
• Receive Water Right Permit	Jan-23	Dec-23	N/S	
<b>Federal ESA</b>				
• Submit BA to Reclamation	Oct-20	Jly-22	●	
• Receive BiOps	Jly-22	Dec-22	N/S	
<b>State ITPs</b>				
• Receive Construction ITP	Sep-20	Mar-23	●	Application submitted Jan-22
• Submit Operations ITP Application to CDFW	Sep-20	Aug-22	●	
• Receive Operations ITP	Aug-22	Mar-23	N/S	

N/S = Not Started; **Green** = On track; **Yellow** = Area of Potential Concern; **Red** = Delayed; **Blue** = Completed

# Dashboard Update

Deliverable	Start	Finish	Status	Notes, New or Potential Issues	SJO
<b>Section 106 – Cultural Resources</b>					
• Final Programmatic Agreement	Sep-20	Jan-23	●		
• Programmatic Historic Properties Management Plan	Dec-21	Sept-22	●		
<b>Clean Water Act 404/401</b>					
• Submit Final Permit Applications	Sep-20	Feb-23	●	Timed just post release of the Final EIR/EIS	
• Receive 404 and 401 Permits	Oct-22	Oct-23	●	Will come after Final EIR/EIS	
<b>Streambed Alteration Agreement</b>					
• Prepare and Submit Application	Jan-22	Dec-22	●		
• Receive Master Agreement	Jan-23	May-23	●	Will come after Final EIR/EIS	
<b>Eagle Permit</b>					
• Short-Term and Nest Take Permits Issued	Oct-20	Mar-23	●	Jan and April 2022 surveys completed	
• Long-Term Permit Issued	Oct-20	Mar-24	●		

N/S = Not Started; **Green** = On track; **Yellow** = Area of Potential Concern; **Red** = Delayed; **Blue** = Completed

**Slide 12**

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**SJO**

BA to Reclamation for their submittal to NMFS and USFWS is 7/19

Ops ITP is schedule for submittal on 8/1

Spranza, John, 2022-05-12T19:25:04.684

# Dashboard Update

Deliverable	Start	Finish	Status	Notes, New or Potential Issues
<b>Final EIR/EIS</b>				
• Complete Final EIR/EIS	Dec-21	Jan-23	●	
• Certify Final EIR/EIS and approve preferred project and MMRP		Jan-23	●	

N/S = Not Started; **Green** = On track; **Yellow** = Area of Potential Concern; **Red** = Delayed; **Blue** = Completed



# Next Work Group Meeting

- Next Meeting – June 9, 2022; 1-2:30pm
- Anticipated Topics –
  - Permitting
    - Biological Assessment and Operations ITP Application
      - Aquatic species effects
      - Financial assurances

# Upcoming Meetings

## **Reservoir Committee**

Friday, May 20, 2022 (9:00 am – 12:00 pm)

## **Authority Board**

Wednesday, May 25, 2022 (1:30 – 4:00 pm)

## **Environmental Planning and Permitting Workgroup**

Thursday, June 9, 2022 (1:00 – 2:30 pm)

**Thank you!**

