

# Upper Sacramento Scheduling Team

## Spring Pulse Flow Planning Subgroup

Wednesday, December 16, 2020, 12:00-2:00 p.m.

### Meeting Summary

#### Participants

Reclamation	Elissa Buttermore, Suzanne Manugian
USFWS	Jim Earley
NMFS	Flora Cordoleani, Cyril Michel, Stephen Maurano
CDFW	Matt Johnson, Duane Linander
DWR	Kevin Reece
SWRCB	Michael Macon
SRSC	Anne Williams
Kearns & West	Terra Alpaugh, Alyson Scurlock

#### Action Items

- Jim Early to look into the Red Bluff Diversion Dam sampling program recent data (last 2-3 years) to share with Cyril.
- K&W to add topic of ACID diversion dam flow levels to future meeting agenda – consider including information about the ACID diversion dam in the Draft Operations Plan so that it is part of the discussion every year.
- Suzanne to reach out to University of Washington re: creating a user-friendly tool for modeling pulse flow scenarios in SacPAS.
- All to provide feedback on the Draft Study Plan and Process Plan by next Wednesday (12/23).
  - For study plan:
    - Stephen to add language in objective section about tier selection (discuss tiers in years where very small amount of water).
    - Anne to add language in objective section about water diversion impacts.
    - Cyril to reach out to Miles about helping with TDM and pathogens.
  - For process plan:
    - Suzanne to find out when the 50 and 90 forecasts get closer.
    - Elissa to follow up with Randi on analysis regarding how likely a pulse flow could be implemented in different years.
- Suzanne/Flora to revise Study Plan by Wednesday, 1/6; Suzanne, Flora, Cyril, and Elissa to draft Monitoring Plan by Wednesday, 1/6; Terra to revise process plan by Wed 1/6.
- K&W to place calendar hold for meeting in mid-January to use if needed.

## Key Discussion Topics with Summary of Perspectives, Outcomes, and Agreements

### *Meeting Objectives*

1. Compare models' sensitivity; make decision on which models to use for assessing the spring pulse flows
2. Identify missing steps in the process plan
3. Review drafting progress, drafting assignments, and timeline; make any necessary amendments to timeline

### *Modeling Sensitivity Analysis*

NMFS ran different sensitivity analyses to determine how the timing of a 4-day pulse flow affects its predicted benefits and presented the results to subgroup members. NMFS concluded that the last week of April or first week of May is likely the most ideal time to implement a pulse flow. Reclamation is working with the University of Washington to conduct model runs using the same data files for comparison.

### *Spring Pulse Flow Study Plan Draft and Monitoring Plan*

Reclamation and NMFS presented the latest draft of the Spring Pulse Flow Study Plan and subgroup members provided additional feedback. Reclamation and NMFS will begin to draft the Monitoring Plan using NMFS' previous monitoring plan as a starting point.

### *Spring Pulse Flows Operational Process Plan Draft*

Kearns & West developed a first draft of the Spring Pulse Flows Operational Process Plan and reviewed it with subgroup members.

### *Next Steps*

- Suzanne and Cyril will continue to compare model runs and will add language about the modeling efforts to the Spring Pulse Flow Study Plan.
- Suzanne and Flora will finish drafting the Spring Pulse Flow Study Plan; Suzanne, Flora, Cyril, and Elissa will start drafting the Monitoring Plan.
- Kearns & West will continue to revise the Spring Pulse Flow Operational Process Plan based on feedback from subgroup members.

### *Revised Drafting Schedule*

Kearns & West revised the drafting schedule for completing and providing comments on the Spring Pulse Flow Study Plan, Monitoring Plan, and Process Plan.

- Feedback on Study Plan Draft & Process Plan from subgroup members (**Due 12/23**)
- Continue drafting of Study Plan & Monitoring Plan (Cyril, Flora, Suzanne, Elissa) (**Due 1/6 COB**)

- Provide ~ 1.5 weeks for subgroup and USST comments on 1<sup>st</sup> draft (**Due Fri 1/15**)
- Provide ~ 1 week to integrate revisions (**Due Fri 1/22**)
- Provide 1 week for final comments (**Due 1/28**)
- Integrate comments and finalize plan (**Due 2/4**)

*Next Meeting*

Wednesday, January 16, 12:00-1:30 p.m. (if needed)