



## Upper Sacramento Scheduling Team

### Spring Pulse Flow Planning Subgroup

Wednesday, November 4, 2020, 12 a.m.-1 p.m.

#### Meeting Summary

##### Participants

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

##### Action Items

- Reclamation to let Kearns & West know if need to reschedule meetings
- All to coordinate with respective team members from USST and submit feedback on the Spring Pulse Flow Study Plan outline by 11/10
- Reclamation/NMFS to integrate feedback and circulate new draft of outline by 11/17
- Reclamation to prepare presentation on SacPas model for 11/17 meeting
- Suzanne, Elissa, and Cyril to develop an outline for how to apply the two modeling approaches for discussion at the 11/17 meeting

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

##### *Meeting Objectives*

1. Refine the Pulse Flow Study Plan Outline and identify next steps for analysis and drafting
2. Develop understanding of the NMFS model for quantifying benefits of proposed pulse flows and explore its potential applicability to the assessment needed in the Study Plan

### ***Document Sharing and Scheduling***

Documents will be shared by email and edited using redline. The Spring Pulse Flow Planning Subgroup will no longer meet from 10:00-11:00 a.m. on Tuesdays due to a conflict with the Salmon Monitoring Team meeting. Kearns & West circulated a Doodle Poll to identify the best timing for the next two meeting dates (11/17 at 1:00 p.m. and 12/1 at 12:00 p.m.).

### ***Spring Pulse Flow Study Plan Outline***

Reclamation and NMFS provided an overview of the draft Spring Flows Study Plan outline and requested feedback from subgroup members. Subgroup members will coordinate with their respective agencies and provide feedback on the outline by 11/10.

### ***Model Presentation: Quantifying Benefits of a Pulse Flow***

NMFS presented one method for quantifying the benefits of a spring pulse flow on salmon survival and walked the group through an example of analyzing increases in population-level outmigration survival. Slides were circulated.

### ***Next Steps***

- Josh, Elissa, Suzanne, and Cyril will integrate feedback into the draft outline and circulate a new draft by 11/17.
- Reclamation will put together a presentation on the SacPas model for the next meeting on 11/17.
- Suzanne, Elissa, and Cyril will develop an outline for how to apply the two modeling approaches to assess benefits of pulse flows to share at the 11/17 meeting.

### ***Next Meeting***

Tuesday, November 17, 1:00-2:00 p.m