

**Sacramento River Temperature Task Group (SRTTG) Meeting**  
**Thursday, September 27, 2018 | 1:00 pm – 3:00 pm**

**MEETING SUMMARY**

**Participants**

Craig Anderson, USFWS	Josh Israel, Reclamation
Miles Daniels, NMFS	Matt Johnson, CDFW
Eric Danner, NMFS	Kenneth Kundargi, CDFW
Vadim Demchuk, SWRCB	Duane Linander, CDFW
Randi Field, Reclamation	Ryan Revnak, CDFW
Sarah Gallagher, NMFS	Alessia Siclari Melchor, SWRCB
John Hannon, Reclamation	Thuy Washburn, Reclamation
Mike Harris, CDFW	Mike Wright, Reclamation
Mike Hendrick, Reclamation	Garwin Yip, NMFS

**Key Discussion Topics with Summary of Outcomes and Agreements**

***Meeting Purpose and Overview***

Reclamation reiterated the meeting purpose: members of the Sacramento River Temperature Task Group are provided status updates on Sacramento River seasonal temperature targets and anticipated performance.

***Fishery Update***

Ryan Revnak from CDFW provided an update on their winter run redd dewatering and stranding surveys. CDFW is estimating an increase in winter run fry risk of stranding in isolated pools if decreasing release below 7,250 cfs, this is due in part to the movement of gravel during the 2017 high flow events. The status of redds dewatered has not changed, one redd to date. Two shallow redds are in less than 6 inches of water.

***Hydrology and Operations Update***

*See Meeting Agenda and Handouts for reference materials.*

Randi Field from Reclamation reviewed system operations, temperatures, trends, Lake Shasta isothermal baths, Lake Shasta cold water pool volume, and the Shasta Temperature Control Device (TCD) configuration. Past and expected future operations and forecasted conditions were also discussed. Seasonal release patterns from Keswick Dam are consistent with previous month expectations. Releases from Keswick Dam have been reduced in the last few weeks and are currently managed to 7,250 cfs. Further release reductions are being discussed. Reclamation is coordinating with the fishery agencies, as in past years, to balance de-watering winter run redds, winter run emergence, downstream flow for diversion access, de-watering fall run redds, and storage conservation.

***Temperature Management***

*See Meeting Agenda and Handouts for reference materials.*

Active temperature management is continuing; Reclamation is managing to 53.5°F daily average

temperature (DAT) at the CCR gage and 56°F DAT at Balls Ferry. Both of the Side gates have been opened, however only one of the Pressure Relief Gates (PRGs) have been closed. Reclamation defines full Side Gate use after all of the PRGs have been closed with both Side Gates open.

Temperature operations have been running with approximately a monthly mean daily average around 54.2°F, to date, in September at Balls Ferry. The approximate monthly mean daily average at the Sacramento River above Clear Creek (CCR) is 52.9°F DAT, to date, in September. The isothermobath cold water pool observations are expected. Nothing is currently a cause of concern with the isothermobath.

### ***Temperature Studies***

Reclamation is still focusing on the 90% runoff exceedance forecast as the 50% runoff exceedance forecast is nearly identical through the end of the water year. Recent model runs show target temperatures at CCR and BSF as achievable, however end of September cold-water-pool volume information used to supplement known limitations of the temperature model in the fall period suggest some moderate caution.

### ***Additional Items***

- A Clear Creek guard gate adjustment was discussed with the goal of saving a few days of cold-water-pool prior to operations and maintenance work beginning October 3<sup>rd</sup>. Uncertainty in staff availability and temperature performance over the weekend prompted members to maintain the current configuration.
- A couple of fall run were reported to have entered Clear Creek.
- Historical peak of Sacramento River fall run spawning (60-70%) occurs prior to the end of October.

### ***Next Meeting***

The next regularly scheduled meeting is October 25, 2018 from 1:00 pm to 3:00 pm, in Sacramento at the Joint Operations Center.