

## WOMT Notes

### January 19, 2016 Meeting

#### 1. General Information:

##### CVP

- *Keswick Releases to upper Sacramento River @ 3250 cfs*
- *Nimbus Releases to lower American River @ 500 cfs*
- *Goodwin Release to Stanislaus River @ 200 cfs*
- *Jones Pumping Plant @ 1900 cfs*
- *Delta Cross-Channel Gates: Closed*
- *Federal Share of San Luis @ 122 TAF*

##### SWP

- *Oroville Release to Feather River @ 950 cfs*
- *Clifton Court Allotment @ 2250 cfs*
- *State Share of San Luis @ 466 TAF*

##### Delta

- *Freeport Flow approx. 29,743 cfs*
- *Vernalis Flow approx. 978 cfs*
- *Delta Outflow approx. 34,195 cfs*

- *E/I Ratio 14% (3 day avg.), 19% (14 day average)*

### **OMR (cfs):**

- INDEX (as of 1/16/2016):
  - 4390 cfs (5 day avg.)
  - 4210 cfs (14 day avg.)
- USGS (as of 1/16/2016):
  - 4110 cfs (5 day avg.)
  - 3920 cfs (14 day avg.)

## **FISHERY UPDATES:**

### **DOSS**

- Met this morning, no advice
- RPA IV.1.2: DCC Gates Closed since 12/15/15
- RPA IV.2.3: No triggers hit this week; OMR limit of -5000 cfs is in effect
- Flows and turbidity high at Tisdale and Knights Landing rotary traps; catch primarily of YOY FR. Seeing uptick of ad-clipped salmon, probably from the 12/16 release of SR surrogates from Coleman Hatchery.
- Estimate of young-of-year winter-run Chinook distribution: 15% upstream, 85% in Delta, 0-5% exited Delta
- Estimate of young-of-year spring-run Chinook distribution: 40-50% upstream, 50-60% in Delta, 0-5% exited Delta
- Entrainment risk for young-of-year winter-run and young-of-year spring-run is:
  - Interior Delta: MEDIUM
  - CVP/SWP Export Facilities: MEDIUM

### **SWG**

***Delta Smelt*** – The Working Group reviewed current Delta Smelt distribution, salvage data, and Delta conditions. The Working Group considers the proposed current operations to carry a high risk of Delta Smelt continued entrainment and likely to result

in salvage. The Working Group described the risk of entrainment under the Service-provided advice framework. Under this framework the relative risk of entrainment for OMR flow ranges is discussed and assessed. For the current week, the risk of entrainment of delta smelt all the way to the fish facilities for each of the flow ranges is characterized as follows:

- -1250 to -2000 cfs has a low risk of entrainment,
- -2000 to -3500 cfs has a moderate to high risk of entrainment,
- -3500 to -5000 cfs has a high risk of entrainment.

The Working Group indicated that should turbidity extend to the facilities, the risk of entrainment to the facilities would be elevated to moderate at -1250 to -2000 cfs, and high at -2000 to -3500 cfs. Less negative OMR flows are expected to provide conditions that encourage fish to both remain in the lower San Joaquin River, as well as shorten the length of time that turbidities in the Old River corridor remain high. The Working Group will continue to monitor Delta Smelt survey and salvage data and Delta conditions, and will meet again on Monday, January 25, 2016 at 10am.

**NMFS** – No new determination at this time.

**USFWS** – Is aware of the SWG recent advice, but no determination has been made at this time.

**DFW** – No determination.

**SWRCB:**

**Division of Water Rights** – Nothing to report

**Delta Watermaster's Office** – Nothing to report

**2. WOMT Decisions** - None