

WOMT Notes

April 26, 2016 Meeting

1. GENERAL INFORMATION:

CVP

- *Trinity River Pulse Flows @ 1,200 cfs today*
- *Keswick Releases to upper Sacramento River @ 5,000 cfs*
- *Nimbus Releases to lower American River @ 3,000 cfs*
- *Goodwin Release to Stanislaus River @ 3,200 cfs today, on decreasing limb of April pulse flows*
- *Jones Pumping Plant @ 1,000 cfs today, increasing to 1,600 cfs on Sunday*
- *Delta Cross-Channel Gates: Closed*
- *Federal Share of San Luis @ 403 TAF*

SWP

- *Oroville Release to Feather River @ 1050 cfs*
- *Clifton Court Allotment @ 1,600 cfs*
- *State Share of San Luis @ 579 TAF*

Delta

- *Freeport Flow @. 14,799 cfs*

- *Vernalis Flow @ 2,980 cfs*
- *Delta Outflow @ 16,593 cfs*
- *E/I Ratio 11 % (14 day average)*
- *Factor Constraining Operations : NMFS Bi Op Action IV.2.1 – I/E Ratio and OMR Limit not more negative than -2,500 cfs (14 day average) per April 18 USFWS Determination*

OMR (cfs) (Not including CCWD Rock Slough exports):

- INDEX (as of 4/23/2016):
 - 1810 cfs (5 day avg.)
 - 1860 cfs (14 day avg.)
- USGS (as of 4/23/2016):
 - 2070 cfs (5 day avg.)
 - 1630 cfs (14 day avg.)

FISHERY UPDATES:

DOSS –

- DOSS met this morning and provided no advice
- RPA IV.1.2: DCC Gates closed since Dec. 15
- RPA IV.2.3: No triggers exceeded past week, OMR limit of -5000 cfs in effect
- RPA IV.2.1: San Joaquin River I/E ratio:
 - ~ Started April 1. Currently 2:1 ratio Vernalis flows to exports with a minimum of 1,500 cfs exports for human health and safety (Dry year classification as of April WY update)
 - ~ NMFS concurred with Reclamation's request for flexibility in the I/E ratio to export "augmented water" from Oakdale and South San Joaquin ID's at 1:1 ratio
- Seeing continued catch of fall-run and spring-run sized fish (unclipped and clipped) in all monitoring efforts in the Sacramento River, Delta,

San Joaquin River and Chipps Island, including: 115 FRCS, 1 clipped CS in the beach seines, 126 FRCS, 12 SRCS and 70 clipped CS in Sacramento trawl, 55 unclipped CS and 3 clipped CS in Mossdale trawl, 200 FRCS, 14 SRCS and 57 clipped CS in Knights Landing monitoring, 50 FRCS, 4 SRCS and 12 clipped CS in Tisdale monitoring, 224 FRCS, 231 SRCS and 124 clipped CS at Chipps, and 709 FRCS, 657 SRCS and 197 clipped CS in GCID monitoring.

- There were sharp declines in the daily numbers of fish captured at Knights Landing and Tisdale over the last week, but a sharp one day increase at GCID on April 25. Most of the FR/SRCS sized fish are likely from the Coleman Hatchery releases of production FRCS in March and April. Average sizes of fish released were close to the minimum size at date for SRCS. Chipps catches may be influenced by Mokelumne River hatches from Sherman Island pens, in addition to previous large hatchery releases.
- Salvage of 12 wild SRCS at CVP, no hatchery CS at either facility. Overall trend of fish salvage is same as last week.
- No Wild Steelhead captured at either facility, trend has decreased this past week.
- Salvage of 1 hatchery steelhead is decreasing over past week.
- Estimate of young-of-year winter-run Chinook distribution: Less than 1% upstream, 5-10% in Delta, 90-95% exited Delta;
- Estimate of young-of-year spring-run Chinook distribution: Less than 5% upstream, 5-15% in Delta, 80-90% exited Delta;
- Estimate of young-of-year hatchery winter-run Chinook distribution: Less than 1% upstream, Less than 5% in Delta, Greater than 95% exited Delta
- Overall entrainment risk for listed salmonids in the Interior Delta: is LOW for Sacramento Basin fish and LOW to MEDIUM for San Joaquin Basin steelhead.
- Overall entrainment risk for listed salmonids at CVP/SWP Export Facilities for OMR between -2500 cfs to -3500 cfs is LOW for Sacramento Basin fish and LOW for San Joaquin Basin steelhead.
- Overall entrainment risk for listed salmonids at CVP/SWP Export Facilities for OMR between -3500 cfs to -5000 cfs is LOW for Sacramento Basin fish and LOW to MEDIUM for San Joaquin Basin steelhead.

SWG

Delta Smelt – SWG met yesterday and provided advice under the Framework requested by USFWS' management:

- -1250 to -2000 cfs OMR: Low to Medium risk of entrainment
- -2000 to -3500 cfs OMR: Medium to High risk of entrainment
- -3500 to -5000 cfs OMR: High risk of entrainment

SWG is providing the advice under both Action 2 and Action 3. Next planned meeting is May 2, 2016.

Longfin Smelt – No advice for protection of longfin smelt. No LFS detected in central or south Delta during 20 mm Survey 3 or in salvage last week. QWEST remains modestly positive. Low or no detections are expected in future given current date is late April. Warming temperatures after Wednesday should stimulate any additional LFS salvage for remainder of WY.

SWRCB:

Division of Water Rights – Nothing to report

Delta Watermaster's Office – Nothing to report

REGULATORY AGENCY FINDINGS –

NMFS – No determination necessary.

USFWS – Per April 19, 2016 Memo from USFWS to Reclamation: OMR no more negative than -2500 cfs on a 14 day average remains in effect.

DFW – Nothing additional to report.

WOMT Decisions - None