

Salmon Monitoring Team (SaMT) Weekly Meeting

Conference call: 2/16/2021 at 9:00 a.m.

Objective: Provide information to the Water Operations Management Team (WOMT), the U.S. Bureau of Reclamation (Reclamation) and California Department of Water Resources (DWR) on measures to reduce adverse effects from Delta operations of the Central Valley Project (CVP) and the State Water Project (SWP) on salmonids and green sturgeon. Final versions of the Meeting Notes, Proposed Action Assessment, and Fish and Water Operations Outlook will be posted to [Reclamation's Salmon Monitoring Team](#) webpage. Meeting participants include representatives from: California Department of Fish and Wildlife (CDFW), DWR, National Marine Fisheries Service (NMFS), State Water Resources Control Board (SWRCB), Reclamation, and the US Fish and Wildlife Service (USFWS).

Agenda Items:

1. Roll Call
2. Updates on Water Operations and Biological Conditions
3. Open Discussion on species status
4. Live-edit Assessments (Proposed Action Assessment and ITP Risk Assessment)
5. Additional Considerations/Other Topics
6. Next Meeting

Agenda Item 2. Updates on Water Operations and Biological Conditions

Relevant Actions and Triggers

Delta Cross Channel (DCC) Gate operations: The DCC gates were closed on 12/1/20 and are expected to remain closed through mid-May 2021. Positive impacts include preventing routing of listed fish through the DCC into the interior Delta.

OMR Management Season: Onset of OMR Management season began on 1/1/21 due to the exceedance of the 5% threshold for the winter-run Chinook salmon population presence within the Delta. Old and Middle River (OMR) flows cannot be more negative than -5,000 cfs on a 14-day average. Additional restrictions and changes to operations may be required per the Proposed Action (PA) and the CDFW Incidental Take Permit (ITP).

ITP Winter-run Single-year Loss Threshold: DWR will operate Banks Pumping Plant consistent with Condition of Approval 8.6.1 of the ITP. The ITP natural-origin Winter-run Single-year Loss Threshold for this year is loss of length-at-date natural-origin winter-run Chinook salmon from the CVP and SWP greater than or equal to 1.17% of the winter-run Chinook salmon juvenile production estimate (JPE)¹. The ITP hatchery-origin Winter-run Single-year Loss Threshold for this year is loss of length-at-date

¹ The IEP Winter-run Chinook Salmon Project Work Team JPE Subteam finalized a winter-run JPE on 1/15/2021, a final letter was issued by NMFS to Reclamation on 1/25/2021, and a final letter was issued by CDFW to DWR on 1/26/2021.

hatchery-origin winter-run Chinook salmon from the CVP and SWP greater than or equal to 0.12% of the winter-run Chinook salmon JPE². If 50% of either threshold is exceeded, the required response is to reduce SWP exports by its proportional share, according to the coordinated operations agreement (COA), that would be required to reach a 14-day average OMR of -3,500 cfs. If 75% of either threshold is exceeded, the required response is to reduce SWP exports by its proportional share, according to the COA, that would be required to reach a 14-day average OMR of -2,500 cfs.

ITP Daily Loss Threshold: From 2/1/21 - 2/28/21, DWR will operate Banks Pumping Plant consistent with Condition of Approval 8.6.3 of the ITP. The ITP Daily Loss Threshold for February is loss of older juvenile Chinook salmon from CVP and SWP greater than or equal to 0.0091% of the winter-run Chinook salmon JPE¹. If the threshold is exceeded, the required response is to reduce SWP exports by its proportional share, according to the COA, that would be required to reach an OMR of -3,500 cfs for five consecutive days.

Weekly Fish and Water Operations Outlook, Current Operations

SaMT reviewed and updated the Outlook document. The updated Outlook document will be distributed to the SaMT via email by close of business (COB) 2/18/21.

Planned construction efforts on the DCC gates are ongoing. No updates regarding the progress of the construction actions were reported on the call.

Three clipped Chinook salmon with Coded Wire Tags (CWT) were processed from salvage at the SWP on 2/9/2021. Two fish were determined to be from the late fall-run Chinook salmon production group released on January 4-5, 2021 (05-63-50, 05-63-55). One fish had a CWT with a code that did not match any of the hatchery release codes provided so far this year (06-05-22). DWR has contacted hatchery staff to get more information and will keep SaMT members posted. It was confirmed on the call that all CWT chinook salmon salvaged at Delta facilities so far are from the late fall-run production group; no winter-run hatchery chinook salmon have been salvaged yet at either facility for water year 2020-2021.

The SaMT discussed Fish Monitoring Gear Efficiency/Disruptions as addressed within the Operations Outlook and updated accordingly.

SaMT Estimates of Fish Distribution

SaMT estimates of the current distribution of listed Chinook salmon and CCV steelhead, as a percentage of each population, are based on recent monitoring data and historical migration timing patterns. These estimates are reported in the final Assessment document, available on [Reclamation’s Salmon Monitoring Team](#) webpage.

Location	Yet to Enter Delta	In the Delta	Exited the Delta (Past Chipps Island)
Young-of-year (YOY) winter-run Chinook salmon	Current: 10-25% Last week: 15-40%	Current: 70-89% Last week: 60-85%	Current: 1-5% Last week: 0%
YOY spring-run Chinook salmon	Current: 45-55% Last week: 55-65%	Current: 45-55% Last week: 35-45%	Current: 0% Last week: 0%
YOY hatchery winter-run Chinook salmon	Current: 90-95% Last week: 95%	Current: 5-10% Last week: 5%	Current: 0% Last week: 0%
Natural origin steelhead	Current: 55-65%	Current: 30-45%	Current: 0-5%

² The single-year loss threshold and loss tracking for hatchery winter-run Chinook salmon does not include releases into Battle Creek.

Location	Yet to Enter Delta	In the Delta	Exited the Delta (Past Chipps Island)
	Last week: 60-70%	Last week: 25-40%	Last week: 0-5%

Agenda Item 3. Open Discussion on Species Status

No discussion items were noted.

Agenda Item 4. Live edit Assessments

Proposed Action Assessment

SaMT reviewed and updated the PA Assessment document. The updated PA Assessment will be distributed to the SaMT via email by COB 2/18/21. The final assessment will be posted to [Reclamation's Salmon Monitoring Team](#) webpage.

ITP Risk Assessment

SaMT discussed the ITP Risk Assessment document. The updated draft ITP Assessment will be distributed via email by COB 2/17/21 for review by SaMT members with comments due COB Thursday, 2/18/21. The ITP Risk Assessment will be finalized by Friday, 2/19/21 and can be found at [CDFW's Water Project Operations webpage](#).

Agenda Item 5. Additional Considerations/Other Topics

No additional considerations for WOMT were noted.

Agenda Item 6.

The next SaMT Meeting is scheduled for Tuesday, 2/23/21, at 9 a.m.