

Salmon Monitoring Team (SaMT) Weekly Meeting

Conference call: 2/8/2022 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 U.S. 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

Behaviors associated with thiamine deficiency were observed in length-at date (LAD) juvenile spring-run Chinook salmon at the Butte Creek rotary screw trap, but genetics need to be completed.

QWEST has been positive since 2/1/2022, at approximately 1,600 cfs.

X2 has moved downstream with the higher outflows and is now at around 76 km.

The current tides are moving into a mild spring tide over the weekend and will push into a neap tide the following week.

The American River is releasing 2,000 cfs, with range variability possible. American River releases may be reduced, provided outflow requirements can still be met

The Stanislaus River is currently releasing 1,500 cfs; however, based on updated hydrology forecast information, this may change.

Actions Currently in Effect

- Delta Cross Channel (DCC) Gate operations (PA 4.10.5.3): The DCC gates were closed on 11/30/2021 and are expected to remain closed through mid-May 2022. Positive impacts include preventing routing of listed fish through the DCC into the interior Delta. From February 1 to May 20, the DCC gates will be closed consistent with D-1641. From May 21 to June 15, the DCC gates will be closed for a total of 14 days, consistent with D-1641.
- OMR Management Season (PA 4.10.5.10.1; COA 8.3.2): Onset of OMR Management season began on 1/1/22 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 PA and the SWP Incidental Take Permit (ITP)
- ITP Winter-run Single-year Loss Threshold (COA 8.6.1): 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 unclipped length-at-date 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). If 50% of the threshold is exceeded (loss >731.47), 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 this threshold is exceeded (loss >1,097.21), 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 Older Juvenile Daily Loss Threshold (COA 8.6.3): From 2/1/22 - 2/28/22, 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 0.00991% of the winter-run Chinook salmon JPE. If the threshold is exceeded (loss >12.39), 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 no more negative than -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) 2/8/22.

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
Young-of-year (YOY) winter-run Chinook salmon	Current: 10-25% Last week: 10-25%	Current: 74-85% Last week: 74-85%	Current: 1-5% Last week: 1-5%
YOY spring-run Chinook salmon	Current: 25-42% Last week: 28-43%	Current: 58-75% Last week: 57-72%	Current: 0% Last week: 0%
YOY hatchery winter-run Chinook salmon	Current: NA Last week: NA	Current: NA Last week: NA	Current: NA Last week: NA
Natural origin steelhead	Current: 57-69% Last week: 60-70%	Current: 28-42% Last week: 27-39%	Current: 1-3% Last week: 1-3%

Agenda Item 3. Open Discussion on Species Status

No additional discussion occurred.

Agenda Item 4. Live edit Assessments

Proposed Action Assessment

SaMT reviewed and updated the current week's PA Assessment document. The updated PA Assessment will be distributed to the SaMT via email by COB 2/8/22. 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 2/8/22 for review by SaMT members with comments due COB Thursday 2/10/22. The ITP Risk Assessment will be finalized by Friday 2/11/22 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.

SaMT members are invited to join the American River Group meeting on February 17, 2022, at 1:30 pm (see invite attached) for a thiamine deficiency presentation and discussion by Rachel Johnson (SWFSC) and Amanda Cranford (NMFS). The presentation will occur at the beginning of the meeting and will also be recorded for those unable to attend. As a reminder, please email Kristin (Kristin.begun@noaa.gov) with any questions for the presenters.

- ARG meeting info is as follows:
 - ARG Teams Meeting Link: [Click here to join the meeting](#)
 - Call in: 131-209-6143; Conference ID: 985 598 947#
- Questions and Topics for Presentation:

- What does the thiamine deficiency mean for self-sustaining salmon populations going forward?
- What monitoring and studies are occurring?
- What are proposed studies and monitoring?
- What to look for in the behavior of the fish and should it be reported?

Agenda Item 6.

The next SaMT Meeting is scheduled for Tuesday, 2/15/22, at 9 a.m.