

## Delta Monitoring Workgroup

Meeting Record 06/01/2021

<b>Attendees</b>	<b>Organization</b>
Nick Bertrand	USBR
Josh Israel	USBR
Ian Smith	USBR
Suzanne Manugian	USBR
Randi Field	USBR
Elissa Buttermore	USBR
Katherine Sun	USFWS
Ken Kundargi	CDFW
Jeff Stuart	NMFS
Ken Kudargi	CDFW
April Hennessy	CDFW
Felipe La Luz	CDFW
Farida Islam	DWR
Mike Ford	DWR
Yuan Liu (CCWD)	Water Contractors
Chandra Chilmakuri	Water Contractors

<b>Absentees</b>	<b>Organization</b>
Mario Manzo	USBR
Rafael Lopez Gonzalez	USBR
Liz Kiteck	USBR
Jana Affonso	USFWS
Kristal Davis-Fadtke	CDFW
Kevin Reece	DWR
Brett Harvey	DWR
Jeff Onsted	DWR
Matt Holland	State Board
Deanna Sereno	Water Contractors
Heidi Williams (Valley Water)	Water Contractors
Jennifer Buckman (ARSC)	Waters Contractors
Frances Brewster	Water Contractors
Shawn Acuña	Water Contractors
Sheila Greene	Water Contractors
Shelby Rinehart (WWD)	Water Contractors
Deanna Sereno	Water Contractors
Alison Collins	Water Contractors
Corey Phillips (MWD)	Water Contractors
Scott Peterson (SLDMWA)	Water Contractors
Lenny Grimaldo (DWR)	Observers
Darcy Austin (SWC)	Water Contractors

### **Action Items**

None

### **Additional Notes on Discussion Items**

- Introduction
- Review Fish and Water Operation Outlook
  - Forecast remains dry. Current warming trend but cooling later this week. Possibly seeing some mountain thunder showers later in the week.
  - Clear Creek - Building up reserves for a potential pulse flow. Discussions ongoing with the Clear Creek Technical Team about when that might happen.
  - American- releasing 1,000 cfs, moving to 1,250 on Thursday.
  - Stanislaus – releasing 600 cfs, have a change order out to go to 750 cfs for D1641 flow standards.
  - Looking at sustained exports from Jones; no expected changes there.

- DCC gates are closed and anticipated to remain closed. Currently considering water quality implications. They are not yet known. May be evaluating moving forward.
- Delta – Looking at maintaining Delta outflow and water quality. Updates today from the State Board regarding their TUCP response.
- Oroville - Releasing 1,850 cfs to Feather River. Clifton Court is at 300 cfs. DWR is reviewing the SWRCB's TUCP response, granting the changes requested [by DWR and Reclamation] with additional reporting requirements. Operations have focused on maintaining reservoir storage, but projects will make additional reservoir releases as needed. The current heat wave significantly increased depletions and additional releases were made to ensure sufficient Delta outflow is maintained.
- Review PA Assessment and ITP Assessment from Smelt Monitoring Team (SMT) and Salmon Monitoring Team (SaMT)
  - Reviewed executive summary from PA assessment.
  - SaMT
    - No issues for WOMT.
    - No performance measures expected to be triggered.
    - Did not have any salmonids or sturgeon salvaged at the fish collection facilities associated with the PA triggers.
    - SaMT does not anticipate more salvage during this WY.
    - Temperatures are increasing.
    - SaMT started tracking the OMR flow management offramp criteria (see the first row in Table 2).
    - According to the 2020 ROD for LTO as described in the PA – end of OMR management for salmonids OMR may control until June 30 for Chinook or June 15 for Steelhead or Rainbow Trout – and we have species specific offramp for salmonids, based on temperature or migration past Chipps Island.
  - SMT
    - No issues for WOMT.
    - No non consensus issues.
    - No abundance estimates this week.
    - Sampling:
      - Unlikely there will be salvage at the facilities. Have concluded larval sampling and notified the facilities.
      - 20 mm #5, 75 % processed. No DS.

- 20 mm #6 in field today, June 1-4.
- Bay Study ongoing. No DS.
- EDSM – 90% processed, 39 of 40 sites, due to boat issue. No DS.
- Chipps Island Trawl – 3 days per week, no DS.
- Mossdale trawl – CDFW sampling 3 days per week, no DS.
- June 7 starts Summer Towntnet – first of the summer.
- Offramp for OMR Management season – OMR criteria may control until June 30 or daily mean water temperature at Clifton Court Forebay is 77 degrees F for three consecutive days. They are not there yet.
- ITP Assessment –
  - No advice to WOMT for LFS.
  - Condition 8.12 for Barker Slough not triggered by recent sampling.
  - Still salvage occurring, though recommendation to restrict OMR would not change the trajectory.
  - Expect to see some salvage May 22-29 -may be due to an increase in water temperature. LFS juvenile detections are rare about 22 degrees C. Have linked to the Jeffries paper in the summary. We believe that there are not a lot of exit points in the south delta, and we speculate there are LFS in the area and as they try to find cooler water temps they are moving through the pumps.
  - The SMT believes we are near the end of the LFS entrainment season. May see more but expecting to end soon.
  - Salvage offline while Banks down for maintenance.
  - 62 fish salvaged at Skinner from May 24-1. No LFS at the federal facility. Expanded salvage this 677 at state facility and 188 at fed facility – this is expanded adjusted for salvage efforts.
  - Catch updates –
    - 20mm Survey #5 – 148 larval and juvenile LFS, catch highest in Sacramento River.
    - 20mm Survey #6 – today through Friday.
    - EDSM - May 24-28. There were juvenile LSF in Suisun Marsh. EDSM goes through a second round of identification – they are confirming the counts now and we will have them next week.

- Chipps Island Trawl – 1 juvenile LFS on May 26, one adult on May 28.
    - No new PTM run due to hydrology.
  - Provide information in DMW notes for consideration by DWR and Reclamation.

*None*

#### *Acronyms*

DCC – Delta Cross Channel  
 DWR – California Department of Water Resources  
 DS – Delta Smelt  
 FNU -- Formazin Nephelometric Unit  
 ITP – Incidental Take Permit  
 JPE – Juvenile Production Estimate  
 LFS – Longfin Smelt  
 NTU – Nephelometric Turbidity Unit  
 OBI – Old River Bacon Island Station  
 OMR – Old and Middle River Tidally Averaged Flow  
 PTM – Particle Tracking Model  
 SaMT – Salmon Monitoring Team  
 SLS – Smelt Larval Survey  
 SMT – Smelt Monitoring Team  
 SWRCB – State Water Resources Control Board  
 TFCF – Tracy Fish Collection Facility  
 TUCP – Temporary Urgency Change Petition  
 WCS – Winter Run Chinook Salmon  
 WQ – Water Quality  
 YOY – Young of Year