# **Delta Monitoring Workgroup**

# Meeting Record 06/08/2021

osh Israel an Smith USBR Suzanne Manugian USBR Randi Field USBR Rafael Lopez Gonzalez USPW Rafael Islam DWR Rafael Islam Rafae Contractors Nawn Acuña Water Contractors Vaun Liu (CCWD) Water Contractors Vaun Liu (CCWD) Water Contractors Chandra Chilmakuri Water Contractors Rafael Lopez Contractors Rafael Lopez Contractors Rafael C	Attendees	Organization
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Suzanne Manugian  Randi Field  USBR  Randi Field  USBR  Rafael Lopez Gonzalez  USBR  Katherine Sun  USFWS  Ken Kundargi  CDFW  April Hennessy  CDFW  Felipe La Luz  Farida Islam  DWR  Mike Ford  DWR  Jeff Onsted  Deanna Sereno  Shawn Acuña  Water Contractors  Shawn Acuña  Water Contractors  Water Contractors  USBR  Water Contractors  USFWS  Water Contractors  USFWS  Water Contractors  USFWS  Water Contractors  USBR  USBR  USBR  USBR  USBR  USBR  USBR  USBR  USBR  Iz Kiteck  USBR  Jana Affonso  USFWS  Kristal Davis-Fadtke  CDFW  Kevin Reece  DWR  Bett Harvey  DWR  Meter Contractors  Water Contractors  USFWS  Kristal Davis-Fadtke  CDFW  Kevin Reece  DWR  Bett Harvey  DWR  Heidi Williams (Valley Water)  Frances Brewster  Shelia Greene  Water Contractors  Shelia Greene  Water Contractors  Shelby Rinehart (WWD)  Water Contractors  Shelby Rinehart (WWD)  Water Contractors  Shelby Rinehart (WWD)  Water Contractors  Shells Greene  Water Contractors  Shelby Rinehart (WWD)  Water Contractors  Scott Peterson (SLDMWA)  Lenny Grimaldo (DWR)  Observers	Josh Israel	USBR
Randi Field  Elissa Buttermore  Rafael Lopez Gonzalez  VSBR  Katherine Sun  VSFWS  Ken Kundargi  CDFW  April Hennessy  CDFW  Felipe La Luz  Farida Islam  DWR  Mike Ford  Deanna Sereno  Water Contractors  Shawn Acuña  Water Contractors  USBR  Water Contractors  Water Contractors  USBR  Water Contractors  USFWS  Absentes  Organization  Mario Manzo  Liz Kiteck  JUSBR  JUSBR	lan Smith	USBR
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Lenny Grimaldo (DWR) Observers	Corey Phillips (MWD)	Water Contractors
	Scott Peterson (SLDMWA)	Water Contractors
	Lenny Grimaldo (DWR)	Observers
Darcy Austin (SWC) Water Contractors	Darcy Austin (SMC)	Water Contractors

### **Action Items**

None

#### Additional Notes on Discussion Items

- Introduction
- Review Fish and Water Operation Outlook
  - Whiskeytown releasing 125 cfs, some variability with a pulse. The peak of the pulse will be about 600 cfs.
  - o Keswick releasing 7,100 cfs.
  - Nimbus releasing 1,850 cfs, with recent changes to support increased Delta outflow.
  - Goodwin releasing 1,500 cfs, with recent changes to support increased Delta outflow.
  - Recent changes are a result of challenging D1641 requirements around delta outflow and salinity. Recent changes have been made to move to higher releases on the Feather, American, and Stanislaus systems have been made to increase delta outflow.
  - Daily Delta outflows are currently around 2,500 cfs. Salinity is creeping up at Jersey Point and Three Mile Slough.
  - o The DCC was operated last weekend from Friday the 4<sup>th</sup> to Monday the 7<sup>th</sup>. With growing concern about salinity and drawing in salts on the lower Sacramento River, we have decided to keep the DCC gates closed. We remain hopeful that the additional flows provided from upstream reservoir releases will ameliorate this situation.
  - o Jones will reduce to zero beginning Thursday at noon and CVP export water will be included in the total Banks exports going forward, until further notice.
  - Banks will export 850 cfs beginning on Friday as the total of combined SWP and CVP exports from the Delta, and half this amount on Thursday when Jones PP goes to zero export at noon.
  - Question: Looking at the data, there is some cushion on water quality. Jersey Point is threatening, but wouldn't opening DCC gates be better for Jersey Point? Could you explain that decision further?
    - Response: Staff has discussed this, and the fear is not having enough flow from the Sacramento side to help control that and as a result pulling salts in the opposite direction if we don't have the backstop.
    - Comment: Opening the DCC tends to help Jersey Point, but it might go up Three Mile Slough.

- Response: The rate of salinity increases we are seeing also factored into the DCC ops decisions.
- Review PA Assessment and ITP Assessment from Smelt Monitoring Team (SMT) and Salmon Monitoring Team (SaMT)
  - o Reviewed executive summary from PA assessment.
  - SaMT
    - No issues for WOMT.
    - Salmonids largely exited the delta.
    - No performance measures triggered for salmonid or sturgeon.
    - One criteria for end of OMR flow management has been triggered (7 days of daily average at Mossdale above 71.6 degrees F)
    - We have met those criteria to offramp OMR flow management for the PA for salmonids.

#### o SMT

- No issues for WOMT.
- No non consensus issues.
- No abundance estimates this week.
- No DS salvage this water year.
- OMR criteria may control until June 30 or until the following off ramp
   daily mean at Clifton Court Forebay reaches 77 degrees F for 3
   consecutive days. We have not seen a day at 77 degrees yet.
- Sampling:
  - 20 mm #6 in field today, June 1-4. Currently processing 8 of 12 stations. No DS.
  - 2 mm #7 in field 14-17 of June.
  - Bay Study ongoing. No DS.
  - EDSM Currently having boat issues. No DS. May not be on water until later this week, with one boat.
  - Chipps Island Trawl Ongoing. 3 days per week, no DS.
  - Mossdale trawl CDFW sampling 3 days per week, no DS.
     Started May 10.
  - June 7 starts Summer Townet first of the summer.

## ITP Assessment –

- No advice to WOMT for LFS or DS
- Condition 8.12 for Barker Slough not triggered by recent sampling.

- For LFS similar to recent weeks. Exports projected to be even lower.
   8.4.2 not triggered.
- 20 mm survey sampled last week. We had data for 8 of the 12 criteria stations for 8.4.2 and no LFS at those stations.
- No catch table since it would have all said no smelt detected or sampling not complete.
- EDSM reported 25 LFS in May collected in Suisun Marsh. No LFS collected last week.
- Chipps Island Trawl no LFS this week. 2 adults last week and none this week, not expecting more adults in the system. Juveniles continuing to move out of the delta. Risk of entrainment is low. Water temperatures continuing to rise.
- No LFS salvaged at either facility last week.
- There was a pause when Banks was offline.
- Salvage totals are the same as last week: 677 at the state facility and 188 at the federal facility.
- Survey updates:
  - Some lower priority stations from 20mm Survey #5 and #4 still pending completion.
- Provide information in DMW notes for consideration by DWR and Reclamation.
  - o 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