

Delta Monitoring Workgroup

Meeting Record 05/04/2021

Working Group Members & Observers

Attendees	Organization
Nick Bertrand	USBR
Josh Israel	USBR
Ian Smith	USBR
Liz Kiteck	USBR
Suzanne Manugian	USBR
Randi Field	USBR
Elissa Buttermore	USBR
Katherine Sun	USFWS
Jana Affonso	USFWS
Jeff Stuart	NMFS
April Hennessy	CDFW
Felipe La Luz	CDFW
Farida Islam	DWR
Mike Ford	DWR
Matt Holland	State Board
Deanna Sereno	Water Contractors
Heidi Williams (Valley Water)	Water Contractors
Jennifer Buckman (ARSC)	Waters Contractors
Chandra Chilmakuri	Water Contractors

Absentees	Organization
Mario Manzo	USBR
Kristal Davis-Fadtke	CDFW
Ken Kundargi	CDFW
Kevin Reece	DWR
Brett Harvey	DWR
Jeff Onsted	DWR
Frances Brewster	Water Contractors
Shawn Acuña	Water Contractors
Sheila Greene	Water Contractors
Shelby Rinehart (WWD)	Water Contractors
Yuan Liu (CCWD)	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
 - Continued persistent dry conditions. Northwest wind gusts resulting in some red flag warnings.
 - Clear Creek – Will see some variability due to spring pulse starting.
 - Sacramento – change order for Keswick to 8500 cfs on Thursday
 - Stanislaus – currently at 225 cfs. Coming to end of spring pulse flow there. Increasing to 500 cfs Wednesday for Vernalis water quality
 - Jones – continuing at 800 cfs. May Delta outflow requirements will be relaxed to a 14 day running average of 4000 cfs due to poor hydrologic conditions.
 - DCC gates – some testing tomorrow. Brief opening and closing test for one day, then closed. Anticipate being ready for normal use on May 21.
 - Oroville – Increasing releases from 800-1,000 cfs by 200 cfs tomorrow. Will evaluate need for an additional 100-200 cfs beyond that. Ongoing discussions about this year’s summer operations with more information to come.
- 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 PA performance measures triggered.
- Less than 2% of the most conservative threshold for steelhead loss.
- Fish monitoring table in the Outlook is being updated as Delta juvenile fish monitoring program is experiencing temporary disruptions.
- SMT
 - No issues for WOMT.
 - No non-consensus issues.
 - Abundance estimate is 49,733. Between April 12 and 16. A life stage specific estimate expected this Friday.
 - No smelt salvage this water year.
 - Sampling update:
 - SKT #5 complete, no DS. Final of season.
 - 20 mm #3 – 81% processed, no DS
 - 20 mm #4 in field May 3-6
 - Bay Study complete for April, no DS
 - Bay Study in field May 5-17
 - EDSM – sampled 2 Larval DS. 25.5 and 28.1 mm. detected in the DSC on the 27th. This is on top of the one caught on the 27th that was reported last week. EDSM on water M-Th this week.
 - Chipps Island Trawl—ongoing. No DS.
 - Mossdale –3 days per week, stating today. No DS.
- ITP Assessment –
 - No SMT advice warranted with current operations. No triggers.
 - For LFS- 20mm survey 4 started yesterday, no data available for review, so we looked back to 20 mm survey 3 – and recent EDSM sampling to inform distribution.
 - SKT preliminary data – several hundred young of year LFS retained and counted – data forthcoming. Similar pattern observed by EDSM. Fork length 8.1 mm to 30 mm.
 - SMT looked at water temperature – referred to Jeffries et.al. (2016), fig. 2. Temperature range for detections – SMT determined that LFS detections are rare above 22 degrees C. We are in the upper part of the temperature range. Clifton Court temperature has been around 19.5 degrees. Discussed Grimaldo et. al. (2009) to see that LFS salvage typically peaks in May. Seeing continued salvage at SWP facility as temperatures approach 22°C. Similar pattern observed last year.
 - Catch table from Survey 3 attached, more data next week.

- No PTM –given current 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

WCS – Winter Run Chinook Salmon

WQ – Water Quality