

**DRAFT Data Assessment Team (DAT) Conference Call Notes
01/07/2016 at 11:00 a.m.**

Participants: Barb Byrne (NMFS), Geir Aasen (DFW), Rhiannon Mulligan, Aaron Miller and Loi Tran (DWR) Leigh Bartoo (FWS), RG Fernando, Owen Lu, Dave Fullerton (MWD), and Tom Boardman (Apex)

Sacramento River Fish Monitoring update provided by Rhiannon Mulligan (DWR):

Preliminary Rotary Screw Trap (RST) Report				
Species*	FWS Red Bluff Diversion Dam RST (Estimated Passage)	Glenn-Colusa Irrigation District (GCID) RST (Catch)	DFW Tisdale Weir RST (Catch)	DFW Knights Landing RST (Catch)
Date	12/17/2015-12/31/2015	12/31/15-01/05/16	12/31/2015-01/06/2016	01/03/2016-01/06/2016
CHNF	720,646	463	18	1
CHNLF	6,616	5	0	0
CHNW	6,123	3	0	0
CHNS	12,402	1	0	0
Ad-Clipped CHN	Not Reported	10	1	1
SH	308	0	0	0
Ad-Clipped SH	Not Reported	0	1	0
GST	Not Reported	0	Not Reported	Not Reported
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, GST= Green Sturgeon. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				

RBDD- the biweekly report was sent out last week (12/31). The next expected biweekly report is 01/21/2016. There have been high debris and river flows since 1/5/2015, so there will be some sampling dates missing for the next biweekly report.

GCID- The RST Cone was checked and raised at 4:00 PM yesterday 1-5-16 to avoid the peak in high flows and heavy debris. Sampling will resume upon further notice.

Graphical summaries of the monitoring data collected at the Sacramento River and at other locations can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>. In addition, the biweekly passage reports of juvenile salmonids sampled at the Red Bluff Diversion Dam are available at http://www.fws.gov/redbluff/rbdd_biweekly.aspx.

Delta Fish Monitoring update provided by Jon Speegle (FWS) via DAT reflector:

Preliminary FWS Trawl and Seine Catch Report from 12/27/15 to 01/02/16				
Species*	Beach Seines	Mossdale Trawl**	Sacramento Trawl	Chippis Island Trawl
CHNF	309			
CHNLF				3
CHNW	1			
CHNS				
Ad-Clipped CHN			1	26
SH				
Ad-Clipped SH				
DSM				
LFS				
SPLT	1			

*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, DSM=Delta Smelt, LFS=Longfin Smelt, SPLT = Splittail. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.

Jersey/Prisoners Point Trawls, 1 CHNF, 26 DSM & no other species of management concern

**No species of management concern for this sampling period

Information about the Delta fish monitoring data from FWS can be found at

<http://www.fws.gov/stockton/jfmp/>.

Salvage Monitoring update provided by Geir Aasen (DFW):

Preliminary DFW Salvage Report for Salmonids from 12/31/15 to 01/03/16								
Species	Central Valley Project (CVP)				State Water Project (SWP)			
	Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)		Adipose-Fin Clipped (Ad-Clipped)		Non-Adipose Fin Clipped (Non-Clipped)	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF								
Total to Date					1	4	4	18
CHNLF					6	26	8	36
Total to Date			8	7	41	181	36	159
CHNW					4	18		
Total to Date					24	106	2	9
CHNS								
Total to Date								
CHNU								
Total to Date								
SH								
Total to Date								

Notes: December 22nd is when the first salmonid was salvaged at the fish facilities
As of 12/28- SWP had no clipped Chinook, 8 non-clipped Chinook for a total loss of 34
CVP had 10 clipped for a loss of 44

12/29- SWP salvage of 20 clipped Chinook for a loss of 89
-Chinook race based on length (Delta model); CHNF=Fall run, CHNLF=Late-fall run,

CHNW=Winter run, CHNS=Spring run, CHNU= Unknown race (Chinook greater than the length-at-date criteria or fork length not measured), SH =Steelhead.
 -Salvage and loss estimates are rounded to the nearest whole fish.
 -Documentation on how to calculate salvage and Chinook loss can be found at <ftp://ftp.delta.dfg.ca.gov/salvage/Salmon%20Loss%20Estimation/>.
 -Steelhead loss: SWP steelhead loss = salvage x 4.33 and CVP steelhead loss = salvage x 0.68.
 -Total to date is the total since 10/1/13 (the start of water year 2014).
 -Data subject to revision.

Preliminary DFW Salvage Report for Smelt and Other Species from 12/31/15 to 01/03/16				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT	2	4		
GST				
WST				
Notes: -DSM=Delta Smelt, LFS=Longfin Smelt, SPLT=Splittail, GST=Green Sturgeon, WST=White Sturgeon. -Salvage estimates are rounded to the nearest whole fish. -Total to date is the total since 10/1/13 (the start of water year 2014). -Data subject to revision.				

Smelt Monitoring Update provided by Trishelle Morris via e-mail (DFW):

Smelt Larvae Study, Survey 1, was in the field 1/4 – 1/6/2016. Preliminary data for south delta stations should be available on the webpage by Friday afternoon.
<https://www.wildlife.ca.gov/Conservation/Delta/Smelt-Larva-Survey>

Spring Kodak Trawl, Survey 1 will be in the field next week, 1/11 – 1/14/2016.

Smelt Working Group Update provided by Leigh Bartoo (FWS):

The Working Group met on Monday. The Working Group did not recommend a change of exports based on anticipated OMR flow. The Working Group is concerned about current conditions and is monitoring the conditions.

Risk entrainment is as follows:

- -1250 to -2000 cfs has a low risk of entrainment,
- -2000 to -3500 cfs has a low risk of entrainment,
- -3500 to -5000 cfs has a medium risk of entrainment

The Smelt Working Group notes and FWS determinations are posted at http://www.fws.gov/sfbaydelta/cvp-swp/smelt_working_group.cfm.

Delta Operations for Salmonids and Sturgeon (DOSS) Working Group Update provided by Barb Byrne (NMFS)

- DOSS met on January 5, 2016, and provided no advice.
- DOSS notes will be posted later this week
at: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2016.html
- RPA Implementation
 - IV.1.2 (DCC ops): DCC gates have been closed since 12/15/15
 - IV.2.3 (OMR management based on salvage triggers):
 - Older juvenile loss density of 2.70 fish/TAF on 1/2/16 exceeded the first stage action trigger of 2.5 fish/TAF
 - Required action response is at least 5 days of OMR no more negative than -3,500 cfs.
 - Day 1 of action response was Sunday, 1/3/16
 - **POST-DOSS DEVELOPMENTS**
 - Salvage at Export Facilities
 - Rapid genetic testing results received late Tuesday showed the older juvenile was a fall-run Chinook, not a winter-run Chinook.
 - On Wednesday, 1/6/16, NMFS informed WOMT that, based on the genetic results "...the CVP and SWP do not need to continue to operate to the action response of the first stage trigger in RPA Action IV.2.3, but rather, can revert back to an OMR no more negative than -5,000 cfs."
 - DWR reported out on the genetic testing of the 18 unclipped Chinook salvaged through 12/28/15.
 - Classified by length-at-date as late-fall, fall, and winter-run; the genetic classifications were: 13 fall-run, 4 late-fall run, and 1 spring run.
 - details of genetic testing, by individual fish, sent to DOSS after the call
 - Fish Monitoring -- RIVER & DELTA monitoring
 - RBDD biweekly update through 12/31/15 reported 318,161 WR passage to date, compared to a seasonal total of ~411,309 last year, and seasonal totals of 848,980-4,401,776 for brood years 2009-2013.
 - **DOSS estimates that 25-30% of the WR population are in the Delta; 70-75% still upstream** -- a 10% "downstream" shift since last week.

○ **DOSS estimates that 15% of the young-of-year (YOY) spring-run (SR) population are in the Delta; 85% still upstream** -- a 10-14% "downstream" shift since last week.

- Entrainment risks

○ Entrainment of fish from the Sacramento River into the Interior Delta

- Exposure of WR & SR Chinook salmon & CV steelhead may increase with increased migration into the Delta past Georgiana Slough during this week's rains.

- For exposed fish, the risk of entrainment into Georgiana Slough expected to decrease this week as river flows increase and mute the tidal effects at Georgiana Slough.

○ Entrainment of fish in the Interior Delta into the CVP/SWP facilities

- Exposure of WR & SR Chinook salmon & CV steelhead may increase with increased migration into the interior Delta during this week's rains.

- For exposed fish, the risk of entrainment into the CVP/SWP facilities expected to be MEDIUM this week due to -3,500 cfs OMR expected through at least Thursday; risks associated with potential OMR levels of -5,000 cfs at the end of the week may be partially offset by increased river flows late this week.

Full DOSS notes posted at:

http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2016.html

Operations update provided by Loi Tran (DWR)

Preliminary Summary for 12/17/2015			
SWP		CVP	
Clifton Court Inflow (cfs)	3,600	Jones Pumping Plant (cfs)	2,000
SWP San Luis Reservoir Share (TAF) as of Midnight	411	CVP San Luis Reservoir Share (TAF) as of Midnight	62
San Luis Reservoir Total (TAF) as of Midnight	473	American – Nimbus Reservoir Releases (cfs)	500
Feather – Oroville Reservoir Releases (cfs)	1,036	Sacramento – Keswick Reservoir Releases (cfs)	3,250
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	~13,100	Delta Cross Channel (DCC) Gates	closed
Total Delta Inflow (cfs)	~11,979	1 day average (cfs)	-4965
X2 (km)	>81	3 day average (cfs)	-3909
Export/Inflow (%)	36.8% (14-day average)	14 day average (Cfs)	-4526

Delta Conditions: Excess
Controlling factor: OMR

Operations are trying to go to excess conditions as of yesterday and are trying to operate to an OMR of -5000.

A summary of daily operations can also be viewed at
<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Next Conference Call:
January 14th, 2015 at 11am.

Final DAT notes can be viewed at
<http://www.water.ca.gov/swp/operationscontrol/calfed/calfeddat.cfm>