

**DRAFT Data Assessment Team (DAT) Conference Call Notes
01/28/2016 at 11:00 a.m.**

Participants: Barb Byrne (NMFS), Geir Aasen (DFW), Rhiannon Mulligan, Craig Anderson, and Loi Tran (DWR) Jon Speegle (FWS), Owen Lu and RG Fernando (MWD), Lucinda Shih (CCWD)

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	01/01/2016-01/14/2016	01/27/16	01/19/2016-01/26/2016	01/21/2016-01/24/2016
CHNF	1,728,427	93	2,902	2,084
CHNLF	855	1		
CHNW	2,953	2	3	
CHNS	4,629		2	3
Ad-Clipped CHN	Not Reported			
SH	1,500			
Ad-Clipped SH	Not Reported	48	8	2
GST	Not Reported		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- next biweekly report 01/28

GCID- The rotary screw trap was lowered 1/26 at 1:00pm and will resume sampling until 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 01/17/16 to 01/23/16				
Species*	Beach Seines	Mossdale Trawl	Sacramento Trawl	Chippis Island Trawl
CHNF	1197	1	151	
CHNLF	1			5
CHNW	17			1
CHNS				
Ad-Clipped CHN	2			26
SH				1
Ad-Clipped SH				2
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, 12 CHNF, 1 CHNT & 14 DSM

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 01/18/16 to 01/24/16								
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			8	6				
Total to Date			8	6	1	4	4	18
CHNLF	24	19			2	9		
Total to Date	24	19	8	7	57	254	36	159
CHNW	32	25			28	128		
Total to Date	54	43	12	9	73	331	4	17
CHNS								
Total to Date								
CHNU								
Total to Date								
SH	28		4		24			
Total to Date	28		4		24			

-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 10/1/14 (the start of water year 2015).

-Data subject to revision.

Notes:

Current trends: current trends since 1/24 include a possible slight increase in fall run non-clipped Chinook at federal facility and mostly clipped Chinook at the state facility.

Preliminary DFW Salvage Report for Smelt and Other Species from 01/18/16 to 01/24/16				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM*	4	4		
LFS				
SPLT	4	12	6	10
GST**	4	4		
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.

*The first delta smelt of the water year was caught at CVP.

**The first green sturgeon salvaged at any facility since 2011 was caught at CVP this water year.

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

Please find attached the smelt catch tables for Smelt Larvae Survey, Survey 2.

Last week (1/19 – 1/21/2016) we completed a full Smelt Larvae Survey (44 stations). We caught a total of 96 Longfin Smelt and no Delta Smelt. All Longfin Smelt collected were larval, measuring between 5 and 9 mm. No Longfin Smelt ITP triggers to reduce exports were met this survey.

Data will be available on our webpage this afternoon

(<https://www.wildlife.ca.gov/Conservation/Delta/Smelt-Larva-Survey>).

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Smelt Working Group Update provided by Leigh Bartoo via e-mail (FWS):

The Working Group reviewed current Delta Smelt distribution, salvage data, and Delta conditions.

The Working Group described the risk of entrainment under the Service-provided advice framework. Under this framework the relative risk of entrainment for OMR flow ranges is discussed and assessed.

For the current week, the risk of entrainment of delta smelt for each of the flow ranges is characterized as follows:

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

The Working Group will continue to monitor Delta Smelt survey and salvage data and Delta conditions, and will meet again on Monday, February 1, 2016 at 10 am.

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 Tuesday, 1/26/16, and provided no advice.
- DOSS notes are posted 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):
 - No triggers exceeded over past week
 - Calendar-based OMR limit of -5,000 cfs is in effect (but not controlling exports).
- **Fish Distribution Estimates**
 - Estimate of young-of-year **winter-run Chinook** distribution: 10% upstream, 90% in the Delta, 0-5% exited the Delta
 - Estimate of young-of-year **spring-run Chinook** distribution: 35-45% upstream, 55-65% in the Delta, 0-5% exited the Delta
- **Entrainment risks (primarily to Winter-run and Spring-run Chinook)**
 - Overall risk of entrainment into **Interior Delta**: MEDIUM
 - Overall risk of entrainment into **CVP/SWP Export Facilities**:
 - OMR -2,500 cfs to -3,500 cfs: LOW-MEDIUM
 - OMR -3,500 cfs to -5,000 cfs: MEDIUM

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 01/28/2016			
SWP		CVP	
Clifton Court Inflow (cfs)	2,400	Jones Pumping Plant (cfs)	2,500
SWP San Luis Reservoir Share (TAF) as of Midnight	489	CVP San Luis Reservoir Share (TAF) as of Midnight	166
San Luis Reservoir Total (TAF) as of Midnight	655	American – Nimbus Reservoir Releases (cfs)	800
Feather – Oroville Reservoir Releases (cfs)	950	Sacramento – Keswick Reservoir Releases (cfs)	3,250
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	~44,000	Delta Cross Channel (DCC) Gates	closed
Total Delta Inflow (cfs)	~49,700	1 day average (cfs)	-2928
X2 (km)	>58	5 day average (cfs)	-2575
Export/Inflow (%)	10.7% (14-day average)	14 day average (Cfs)	-3167

Delta Conditions: Excess

Controlling Factor: OMR (-3500)

A summary of daily operations can also be viewed at

<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Next Conference Call:

Next DAT call February 4th, 2016 at 11am.

Final DAT notes can be viewed at

<http://www.water.ca.gov/swp/operationscontrol/calfed/calfeddat.cfm>