

**DRAFT Data Assessment Team (DAT) Conference Call Notes
01/21/2016 at 11:00 a.m.**

Participants: Barb Byrne (NMFS), Geir Aasen and Trishelle Morris (DFW), Rhiannon Mulligan, Craig Anderson, and Loi Tran (DWR) Jon Speegle, and Josh Gruber (FWS), Owen Lu and Alison Collins(MWD), Sheela Greene (WLW).

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	01/12/16-01/13/16	01/14/2016-01/18/2016	01/14/2016-01/20/2016
CHNF	1,728,427	371	2,166	5,704
CHNLF	855	0	0	0
CHNW	2,953	3	5	13
CHNS	4,629	0	0	24
Ad-Clipped CHN	Not Reported	46	8	21
SH	1,500	0	1	1
Ad-Clipped SH	Not Reported	46	4	24
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- next biweekly report 01/28

GCID- rotary screw trap removed 1/14 at 9:00am to avoid high flows

Tisdale- cones modified to 50% catch since 1/7

Knights Landing- cones modified to half cone 1/19

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 01/10/16 to 01/16/16				
Species*	Beach Seines	Mossdale Trawl**	Sacramento Trawl	Chippis Island Trawl
CHNF	1168		34	
CHNLF				1
CHNW	4			
CHNS	3		1	
Ad-Clipped CHN				11
SH				
Ad-Clipped SH	1		2	
DSM				
LFS				8
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, 4 CHNF, 25 DSM & no other species of management concern

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 01/11/16 to 01/17/16								
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								
Total to Date			8	7	55	244	36	159
CHNW	14	10	12	10	8	37		
Total to Date	22	16	12	9	45	202	4	17
CHNS								
Total to Date								
CHNU								
Total to Date								
SH								
Total to Date								

-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: since 1/17 clipped chinook were salvaged at the federal and state facility of late fall and winter run size.

1/19 the first steelhead was observed at the federal facility.

1/20 Federal facility observed both clipped and non-clipped steelhead

Preliminary DFW Salvage Report for Smelt and Other Species from 01/04/16 to 01/10/16				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT	4	8		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 Larval Survey #1 January 4th-6th there were 47 longfin smelt and no delta smelt caught.
Spring Kodiak Trawl #1 January 11th - 14th there were 7 delta smelt 60-74(mm) at Montezuma slough to lower Sacramento River there were 3 pre-spawn females and 4 pre-spawn males.

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

Smelt Working Group Update provided by Smelt Working Group notes, link below (FWS):

The Working Group reviewed current Delta Smelt distribution, salvage data, and Delta conditions. The Working Group considers the proposed current operations to carry a high risk of Delta Smelt continued entrainment and likely to result in salvage.

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 all the way to the fish facilities for each of the flow ranges is characterized as follows:

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

The Working Group indicated that should turbidity extend to the facilities, the risk of entrainment to the facilities would be elevated to moderate at -1250 to -2000 cfs, and high at -2000 to -3500 cfs. Less negative OMR flows are expected to provide conditions that encourage fish to both remain in the lower San Joaquin

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, 1/19/16, and provided no advice
- **RPA Implementation update**
 - DCC gates closed
 - no loss density triggers exceeded over past week
- **Fish monitoring highlights:** flows/turbidity high at Tisdale & KL RSTs; catch primarily of YOY FR (with daily catches of <10 WR and SR). Are seeing uptick in ad-clipped salmon, probably from the 1/12 release of the SR surrogates (genetic LFR) from Coleman National Fish Hatchery.
- **WR distribution:** 15% upstream, 85% in the Delta, 0-5% exited the Delta
- **SR distribution:** 40-50% upstream, 50-60% in the Delta, 0-5% exited the Delta
- **Entrainment Risk**
 - Interior Delta entrainment: Overall risk=MEDIUM
 - Exposure risk: HIGH
 - Routing Risk: LOW-MED
 - Export Facility Entrainment: Overall risk=MEDIUM
 - Exposure risk: MEDIUM
 - OMR/Export RISK: LOW-MEDIUM (if OMR stays at -3,500 cfs); MEDIUM (if OMR goes to -5,000 cfs)

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 01/21/2016			
SWP		CVP	
Clifton Court Inflow (cfs)	2,000	Jones Pumping Plant (cfs)	2,500
SWP San Luis Reservoir Share (TAF) as of Midnight	474	CVP San Luis Reservoir Share (TAF) as of Midnight	130
San Luis Reservoir Total (TAF) as of Midnight	604	American – Nimbus Reservoir Releases (cfs)	500
Feather – Oroville Reservoir Releases (cfs)	950	Sacramento – Keswick Reservoir Releases (cfs)	3,250
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	~45,700	Delta Cross Channel (DCC) Gates	closed
Total Delta Inflow (cfs)	~45,617	1 day average (cfs)	-3513
X2 (km)	>81	3 day average (cfs)	-3500
Export/Inflow (%)	16.6% (14-day average)	14 day average (Cfs)	-4313

Delta Conditions: excess

Controlling: -3500cfs

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 Calfed OPS call: January 27, 2016 1pm-3:30pm (916) 574-2556

Final DAT notes can be viewed at

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