

**DRAFT Data Assessment Team (DAT) Conference Call Notes  
03/03/2016 at 11:00 a.m.**

Participants: Barb Byrne (NMFS), Geir Aasen, Josh Gruber, and Trishelle Morris (DFW), Rhiannon Mulligan, Craig Anderson, Aaron Miller, and Jessie Cheng (DWR) Jon Speegle (FWS), Alison Collins, RG Fernando, and Dave Fullerton (MWD)

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

<b>Preliminary Rotary Screw Trap (RST) Report</b>				
<b>Species*</b>	<b>FWS Red Bluff Diversion Dam RST (Estimated Passage)</b>	<b>Glenn-Colusa Irrigation District (GCID) RST (Catch)</b>	<b>DFW Tisdale Weir RST (Catch)</b>	<b>DFW Knights Landing RST (Catch)</b>
<b>Date</b>	<b>02/12/2016-02/25/2016</b>	<b>02/25/16-03/01/2016</b>	<b>02/25/2016-03/02/2016</b>	<b>02/25/2016-03/01/2016</b>
CHNF	289,427	26	77	27
CHNLF	0			
CHNW	426	3		1
CHNS	198		14	2
Ad-Clipped CHN	Not Reported	42	74	28
SH	0	1		
Ad-Clipped SH	Not Reported	3		1
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- almost no clipped Steelhead were captured. Catch for all the races of Chinook is low except for fall run. The next bi-weekly report is next Friday.

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](http://www.fws.gov/redbluff/rbdd_biweekly.aspx).

**Delta Fish Monitoring** update provided by Jon Speegle (FWS):

Preliminary FWS Trawl and Seine Catch Report from 02/21/16 to 02/27/16				
Species*	Beach Seines	Mossdale Trawl*	Sacramento Trawl	Chippis Island Trawl
CHNF	405		10	
CHNLF				
CHNW	1			1
CHNS	3			
Ad-Clipped CHN				4
SH				
Ad-Clipped SH				9
DSM				
LFS				3
SPLT	2			

\*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.

\*No species of management concern

Jersey/Prisoners, Site #902 Trawls, 1 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 02/22/16 to 02/28/16								
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			4	3				
<b>Total to Date</b>			<b>48</b>	<b>34</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>18</b>
CHNLF								
<b>Total to Date</b>	<b>32</b>	<b>26</b>	<b>8</b>	<b>7</b>	<b>61</b>	<b>272</b>	<b>36</b>	<b>159</b>
CHNW			4	3				
<b>Total to Date</b>	<b>74</b>	<b>59</b>	<b>20</b>	<b>16</b>	<b>119</b>	<b>540</b>	<b>6</b>	<b>26</b>
CHNS			8	6				
<b>Total to Date</b>			<b>16</b>	<b>10</b>				
CHNU								
<b>Total to Date</b>								
SH	106.7				62		4	
<b>Total to Date</b>	<b>306.7</b>		<b>28</b>		<b>320</b>		<b>14</b>	

-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:  
Both facilities continue to see adipose-fin clipped Steelhead.

Preliminary DFW Salvage Report for Smelt and Other Species from 02/22/16 to 02/28/16				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM	4	8		
LFS				
SPLT		16	4	51
GST		4		
WST				

-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.

Notes: SWP and CVP both started larval sampling on March 1<sup>st</sup>, 2016

**Smelt Monitoring** Update provided by Trishelle Morris via DAT reflector (DFW):

Smelt Larva Survey (SLS) #4 was in the field the week of February 16-19th. Processing is 80% complete. No Delta Smelt have been detected in the samples processed to date. A total of 197 young of the year Longfin Smelt have been identified, ranging in length from 6-17mm.

SLS # 5 is in the field this week started Monday (2/29) and is finishing today (3/3)

Spring Kodiak trawl #3 will be in the field the week of March 7-10th

The first 20-mm survey of the season will commence March 14, and run concurrently with Spring Larva Survey (SLS) #6.

**Smelt Working Group** Update provided by Smelt Working Group notes posted online ( 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 adult delta smelt 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 medium risk of entrainment,
- -3500 to -5000 cfs has a medium to high risk of entrainment.

The Working Group is following guidance for entrainment protections from both Action 2 (adult Delta Smelt) and Action 3 (juvenile Delta Smelt). The risk values provided for this week refer to adult Delta Smelt. The Working Group will continue to monitor Delta Smelt survey and salvage data and Delta conditions, and will meet again on Monday, March 7, 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](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)

**Latest hatchery winter-run acoustic-tracking update based on 3/2/16 data download:**

- 35% of the 570 acoustic-tagged fish have passed receivers at Tower Bridge
- 22% have passed Hood
- None yet observed at Middle River or in salvage

**Current loss of genetic winter-run at export facilities:**

Recent genetic testing has confirmed a second genetic winter-run in salvage (caught 2/22/16), increasing the estimate of WY 2016 wild winter-run take at the export facilities (measured as "loss") to 11.47. The wild winter-run take limit for WY 2016 is 1,017.

**DOSS update:**

- DOSS met on Tuesday, 3/1/16, and provided no advice.
- DOSS notes are posted at: [http://www.westcoast.fisheries.noaa.gov/central\\_valley/water\\_operations/ocapwy2016.html](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):
    - No triggers exceeded over past week
    - OMR limit of -5,000 cfs is in effect
- Fish Monitoring Highlights
  - Movement of wild fish into Delta remains fairly low compared to catches seen during the wet January.
  - Still seeing medium catches (primarily fall-run YOY) of wild fish in the seines; not surprising given that the many Chinook and steelhead that moved into Delta over the past few months are mostly still in the Delta.
  - **WR-acoustic tracking:** based on 2/29/16 data download
    - 30% of the 570 acoustic-tagged fish have passed receivers at Tower Bridge
    - 17% have passed Hood
    - None yet observed at Middle River or in salvage
  - **Salvage:**
    - Salvage of wild Chinook and steelhead has been low over past week.
    - Salvage of hatchery steelhead quite high over past week; fish are likely from the Nimbus hatchery releases into the American River in February
- Fish Distribution Estimates (no change since last week for SR, ~5% shift into the Delta for wild WR, substantial shift for hatchery WR)
  - Estimate of young-of-year **winter-run Chinook** distribution: <5% upstream, >95% in the Delta, <5% exited the Delta
  - Estimate of young-of-year **spring-run Chinook** distribution: 30-40% upstream, 60-70% in the Delta, 0-5% exited the Delta
  - Estimate of young-of-year **hatchery winter-run Chinook** distribution: >50% upstream, 25-35% in the Delta, <5% exited the Delta
- Entrainment risks (primarily to Winter-run and Spring-run Chinook; no change since last week)
  - Overall Entrainment into **Interior Delta:** MEDIUM
  - Overall 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](http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2016.html)

**Operations** update provided by Jessie Cheng (DWR)

<b>Preliminary Summary for 03/03/2016</b>			
<b>SWP</b>		<b>CVP</b>	
Clifton Court Inflow (cfs)	2,200	Jones Pumping Plant (cfs)	3,400
SWP San Luis Reservoir Share (TAF) as of Midnight	577	CVP San Luis Reservoir Share (TAF) as of Midnight	320
San Luis Reservoir Total (TAF) as of Midnight	896	American – Nimbus Reservoir Releases (cfs)	3,000*
Feather – Oroville Reservoir Releases (cfs)	800	Sacramento – Keswick Reservoir Releases (cfs)	3,250
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
<b>DELTA OPERATIONS</b>			
Outflow (cfs)	~8,600	Delta Cross Channel (DCC) Gates	closed
Total Delta Inflow (cfs)	~15,247		
X2 (km)	=74		
Export/Inflow (%)	30.0% (14-day average)		

\*going up to 4500 cfs by tomorrow.

Delta conditions: excess

Controlling factor: OMR (-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:**

Thursday, March 10<sup>th</sup> at 11am.

Final DAT notes can be viewed at

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