DRAFT Data Assessment Team (DAT) Conference Call Notes
06/01/2016 at 11:00 a.m.

Participants: Barb Byrne (NMFS), Rhiannon Mulligan and Jessie Cheng (DWR), Geir Aasen and Trishelle Morris (DFW), RG Fernando (MWD), Melih Ozbilgin (SCVWD), 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	**05/20/2016-06/02/2016**	**05/26/2016-5/31/2016**		**05/26/2016-06/01/2016**
CHNF	85,664	350		
CHNLF	0			
CHNW	0			
CHNS	739			
Ad-Clipped CHN	25 **	21		
SH	1,502	3		
Ad-Clipped SH	1 **			
GST	GST=10; ST=422**		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. ** Numbers represent observations and are not expanded to represent estimated passage.				

Knights Landing- trapping has been suspended due to increased water temperatures and the hot weather forecast for the weekend. River temperatures will continue to be monitored and trapping may resume should temperatures reach safe fish handling levels.

RBDD- The next biweekly report will be out tomorrow. To date our cumulative catch of larval sturgeon is 2,578. Since we are approaching our federal take limits of 3,000 for larval sturgeon we have reduced our sampling effort to only sampling 3 or 4 days per week, using 3 instead of 4 traps, and sampling each of our cones at 50% sampling effort. Numerically this equates to 16-21% of our normal sampling effort. Bill Poytress, RBFWO juvenile monitoring program manager, is working with NMFS on this issue but hasn't heard yet whether our take limit will be adjusted due to the unusually high abundance of larval sturgeon in our sampling area. We will continue with this reduced effort until further notice.

**Tisdale- traps pulled 5/2 and have not been resumed.

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 via the DAT reflector (FWS):

Preliminary FWS Trawl and Seine Catch Report from 05/22/16 to 05/28/16				
Species*	**Beach Seines**	**Mossdale Trawl**	**Sacramento Trawl**	**Chipps Island Trawl**
CHNF	1	6	2	69
CHNLF				
CHNW				
CHNS		5		1
Ad-Clipped CHN			1	16
SH				
Ad-Clipped SH				
DSM				1
LFS				
SPLT	158	87 (partial week's data)		5
*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.				

At Mossdale 1 CHNE.

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 05/23/16 to 05/29/16								
	Central Valley Project (CVP)				State Water Project (SWP)			
Species	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	**8**	**7**	**72**	**50**	**1**	**4**	**35**	**150**
CHNLF								
Total to Date	**32**	**26**	**8**	**7**	**61**	**272**	**36**	**159**
CHNW								
Total to Date	**90**	**70**	**28**	**21**	**123**	**558**	**8**	**35**
CHNS								
Total to Date	**616**	**413**	**104**	**79**	**34**	**147**	**50**	**215**
CHNU								
Total to Date								
SH							1	
Total to Date	**589.7**		**61**		**731**		**58**	

-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 × 4.33 and CVP steelhead loss = salvage × 0.68.
-Total to date is the total since 10/1/15 (the start of water year 2015).
-Data subject to revision.

Notes: SWP was shut down from 5/23-2400 on 5/24 there was some salvage during predatory removals.
No listed species were salvaged this week.
No longfin smelt or Delta Smelt larval less than 20mm during the reported period at SWP or CVP.
There has been slow turn around rate for larval samples due to large larval sample sizes (1000+ fish). In order to increase processing time for the larval reports we will switch to presence or absence of Delta Smelt and Longfin smelt.

Preliminary DFW Salvage Report for Smelt and Other Species from 05/23/16 to 05/29/16				
	CVP		SWP	
Species	Salvage	Total to Date	Salvage	Total to Date
DSM		12		8
LFS		8		2
SPLT	4	101	32	448
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 10/1/15 (the start of water year 2015). -Data subject to revision.				

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

20-mm Survey #6 was in the field last week 5/23-5/26. Sample processing is 23% complete. So far, no Delta Smelt were collected. Summer townet is in the field 6/13-6/17. 20-mm Survey #7 is in the field next week.
Last week, CDFW indicated that the Kodiak Index for 2016 is expected to be released on June 3.
The Early Warning Survey began November 30 and ended on March 30.

Smelt Working Group update provided by Leigh Bartoo via the DAT reflector (FWS):

Meeting Summary
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 larval and juvenile 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 low risk of entrainment, and
- -3500 to -5000 cfs has a medium risk of entrainment.

Should salvage occur prior to June 6 or if field surveys detect Delta Smelt in the central Delta, the Working Group will need to reconvene to reassess the risk of entrainment.

The Working Group is following guidance for entrainment protections from Action 3 (juvenile Delta Smelt). The Working Group will continue to monitor Delta Smelt survey and salvage data and Delta conditions, and will meet again on Monday, June 6, 2016 at 10 am.

New Determination: the U.S. Fish and Wildlife Service is of the opinion that the 14-day running average OMR flow should be no more negative than -5000 cfs, with a simultaneous 5-day running average of no more negative than -6250 cfs.

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 via the DAT reflector (NMFS)

- DOSS met on Tuesday, 5/31/16, 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 opened at 9am on Friday, 5/27 and were closed at noon on,Tuesday, 5/31.
    - Gates may be operated from May 21 through June 15, with gates closed for up to 14 days during this period.
    - Through June 15, expectation is that gates will be opened at 9am on Fridays and closed at noon on Mondays. After June 15, the expectation is that the gates will remain open.
  - IV.2.3 (OMR management):
    - No triggers exceeded over past week
    - OMR limit of -5,000 cfs is in effect
  - IV.2.1 (San Joaquin River I:E ratio):
  - 2:1 ratio Vernalis flows to exports with a minimum of 1,500 cfs exports for human health and safety (Dry year classification as of April WY update).
  - May 31 was the last day of this action in WY 2016.

- Fish Monitoring Highlights
  - Did not have all Delta monitoring data available because of the Monday holiday.
  - Caught hundreds of salmonids (mainly wild FR) at the GCID RST over the past week, but no salmonids have been caught at Knights Landing since 5/15.
  - Knights Landing monitoring may end soon due to increasing water temperatures
  - **Salvage (5/23-5/29):**
  - One steelhead salvaged at the SWP.
  - No Chinook salvaged at either facility.

- Hatchery releases
  - On June 3-4, 2016, the Department of Fish and Wildlife will release approximately 815,000 brood year 2015 Mokelumne River Hatchery Fall Run Chinook into the Sherman Island Net Pens on the San Joaquin River.

- Fish Distribution Estimates (all distributions same as last week)
  - Estimate of young-of-year winter-run Chinook distribution: 0% upstream, ≤ 1% in the Delta, ≥ 99% exited the Delta.
  - Estimate of young-of-year spring-run Chinook distribution: <1% upstream, <1% in the Delta, ≥ 98 % exited the Delta.
  - Estimate of young-of-year hatchery winter-run Chinook distribution: <0% upstream, ≤1% in the Delta, >99% exited the Delta.

- Entrainment risks (all overall risks are same as last week)
  - Overall Entrainment into **Interior Delta**:
    - LOW for Sacramento River fish
    - LOW TO MEDIUM for San Joaquin River steelhead

- Overall Entrainment into **CVP/SWP Export Facilities**:
  - ***OMR -2,500 cfs to -3,500 cfs:***
    - LOW for Sacramento River fish
    - LOW for San Joaquin River steelhead
  - ***OMR -3,500 cfs to -5,000 cfs:***
    - LOW for Sacramento River fish
    - LOW for San Joaquin River steelhead

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 06/02/2016			
SWP		**CVP**	
Clifton Court Inflow (cfs)	1,800	Jones Pumping Plant (cfs)	800
SWP San Luis Reservoir Share (TAF) as of Midnight	349	CVP San Luis Reservoir Share (TAF) as of Midnight	321
San Luis Reservoir Total (TAF) as of Midnight	670	American – Nimbus Reservoir Releases (cfs)	4,000
Feather – Oroville Reservoir Releases (cfs)	2,500***	Sacramento – Keswick Reservoir Releases (cfs)	7,500*
		Stanislaus-Goodwin Reservoir Releases (cfs)	600**
DELTA OPERATIONS			
Outflow (cfs)	~6,900	Delta Cross Channel (DCC) Gates	closed
Total Delta Inflow (cfs)	~12,905	1 day OMR average (cfs)	-3693
X2 (km)	=76	5 day OMR average (cfs)	-2476
Export/Inflow (%)	18.0% (3-day avg)	14 day OMR average (cfs)	-2204

*increasing to 8,000 cfs today.
**550cfs by 6/4 and -500cfs by 6/6.
*** increasing to 3500cfs by 3pm today.

Delta conditions: balanced
Controlling factor(s): Delta outflow X2

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

Next Conference Call:

DAT call members decided to send their updates via the DAT reflector until we adjourn for the summer. A DAT meeting will be scheduled upon the request of a DAT member.

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