

**DRAFT Data Assessment Team (DAT) Conference Call Notes**  
**03/05/2015 at 11:00 a.m.**

Participants: Barb Byrne(NMFS), Lauren Damon and Geir Aasen (DFW), Rhiannon Mulligan, Wenli Yin, , and Farida Islam (DWR), Owen Lu and R.G. Fernando (MWD), Jon Speegle (FWS), Lucinda Shih and Jason Nishijima (CCWD), John Gerlach (SWRCB).

<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>02/12/2015-02/25/2015</b>	<b>2/26/2015-3/04/2015</b>	<b>02/24/2015-03/04/2015</b>	<b>02/24/2015-03/01/2015</b>
CHNF	93,239	13	2	1
CHNLF	77			
CHNW	1,461	8	3	2
CHNS	453	1		
Ad-Clipped CHN	Not Reported	27	3	2
SH	168	2		
Ad-Clipped SH	Not Reported			0
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.				

No new data reviewed from RBDD since the last reporting period

**Sacramento River Fish Monitoring**

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\\_jsmp.html](http://www.fws.gov/redbluff/rbdd_jsmp.html)

## Delta Fish Monitoring

Preliminary FWS Trawl and Seine Catch Report from 02/22/2015-02/28/2015				
Species*	Beach Seines	Mossdale Trawl**	Sacramento Trawl	Chippis Island Trawl
CHNF	203		3	
CHNLF				
CHNW	2			
CHNS	10			
Ad-Clipped CHN	5		1	18
SH				
Ad-Clipped SH				15
DSM				
LFS				16 (57-92mm, no expression)
SPLT				21

\*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 Pt. Trawls, 47 CHNF, 1 CHNS, 3 CHNT, 1 RBTC, 2 LFS (83,85 mm, no expressions), & 23 DSM (55-77 mm, 2 w/eggs, 1 w/milt)

\*\* no 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

Preliminary DFW Salvage Report for Salmonids from 02/23/2015-03/01/2015								
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								
<b>Total to Date</b>			12	9	41	180		
CHNLF								
<b>Total to Date</b>	72	55			64	285	6	26

CHNW					10	43		
<b>Total to Date</b>	16	11	36	31	44	194	16	71
CHNS								
<b>Total to Date</b>								
CHNU								
<b>Total to Date</b>								
SH	4				172		6	
<b>Total to Date</b>	44				318		22	

Notes:

- 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 10/1/13 (the start of water year 2014).
- Data subject to revision.

<b>Preliminary DFW Salvage Report for Smelt and Other Species from 02/23/29/2015-03/01/2015</b>				
<b>Species</b>	<b>CVP</b>		<b>SWP</b>	
	<b>Salvage</b>	<b>Total to Date</b>	<b>Salvage</b>	<b>Total to Date</b>
DSM		64		4
LFS				
SPLT		12	8	621
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.

CVP-started larval surveys since 2/27/15. One long fin smelt <20mm was present on 2/27/15.

SWP started larval surveys since 2/24/15.

### **Smelt Monitoring**

Lauren Damon(DFW) provided the following update:

Smelt Larva Survey #4 was in the field from 2/17 to 2/19. Processing is done for all stations except for Napa River. No Delta Smelt have been processed so far. There were 208 young of year long fin smelt (5-16mm)distributed mostly down stream at the confluence.

Smelt Larva Survey #5 was in the field from 3/2 to 3/4. Data should be available by next week.

Spring Kodiak trawl # 3 is expected to be in the field 3/9 to 3/12.

20 mm survey is going to start on 3/16.

Data are posted on:

<http://www.dfg.ca.gov/delta/projects.asp?ProjectID=20mm>.

**Smelt Working Group**

No Smelt Working Group update was presented as no representative joined the DAT call. At the time of this meeting, meeting notes were not posted online from 3/2/15 meeting. If there are any questions please contact Farida Islam and she will direct the questions to Leigh Bartoo(FWS).

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**

Barb Byrne(NMFS) provided the following update:

Doss met on Tuesday. No Advice to NMFS or WOMT.  
 DCC gates are closed  
 Action IV. 2.3 is in effect. The OMR limit is no more -5,000, but this is not controlling delta exports.  
 No triggers have been exceeded.

Fish Distribution:

Location	Yet to Enter Delta (Upstream of Knights Landing)	In the Delta	Exited the Delta (Past Chipps Island)
<i>Young-of-year (YOY) winter-run Chinook salmon(naturally produced)</i>	Few stragglers only (last week: Same)	> 95% (last week: same)	< 5% (last week: same)
<i>YOY winter-run Chinook salmon (hatchery-produced)</i>	30% - 50% (last week: 35% - 55%)	45% - 65% (last week: 40% - 60%)	~5% (last week: same)
<i>YOY spring-run Chinook salmon</i>	5% - 20% (last week: same)	80% - 95% (last week: same)	< 5% (last week: same)
<i>Yearling spring-run Chinook salmon*</i>	Few stragglers only (last week: same)	70% (last week: ~75%)	30% (last week: ~25%)
<i>Hatchery Steelhead**</i>	~10% (last week: 10% - 20% of all hatchery fish)	75% (last week: ~80% all hatchery fish)	15% (last week: ~10% all hatchery fish)
<i>Sacramento River steelhead (naturally-produced)</i>	Limited catch data		
<i>San Joaquin River steelhead***</i>	~80% (last week: same)	~20% (last week: same)	0% (last week: same)

\* No yearling spring-run Chinook salmon have been caught in 2014 monitoring. In general, very few yearling spring-run Chinook salmon are observed because of their relatively large size and strong swimming (and associated gear avoidance) abilities.

\*\*Difficult to assess now that all hatchery releases are in the system (CNFH, Feather River Fish Hatchery, and Mokelumne Fish Hatchery released as usual; Nimbus Hatchery released their steelhead in the spring of 2014 because of expected unsuitable hatchery water temperatures during the summer of 2014). Percentages are intended to capture distribution of steelhead that migrate out; not those that may residualize.

\*\*\*Have not observed juvenile steelhead in monitoring data; Distribution estimates are based on 10 years of historical data from Mossdale Trawls, and RST data from Caswell Park on the Stanislaus River

**Entrainment Risks:**

- -1,200 to -2,000 cfs Medium (focusing on winter-run Chinook south of San Joaquin)
- -2,000 to -3500 cfs Medium to High
- -3,500 to -5000 cfs High (due to the interior delta being more vulnerable to OMR flows)

**Events:**

IEP is March 18<sup>th</sup>-March 20<sup>th</sup> Barb Byrne will be hosting a drought session.

Farida Islam will send more information on IEP conference to the DAT members.

DOSS notes and related documents are posted at [http://www.westcoast.fisheries.noaa.gov/central\\_valley/water\\_operations/doss.html](http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/doss.html).

**Operations**

**Wenli Yin(DWR-OCO) provided the following update:**

<b>Preliminary Summary for 3/05/2015</b>			
<b>SWP</b>		<b>CVP</b>	
Clifton Court Inflow (cfs)	2,800	Jones Pumping Plant (cfs)	1,800
SWP San Luis Reservoir Share (TAF) as of Midnight	1326	CVP San Luis Reservoir Share (TAF) as of Midnight	424
San Luis Reservoir Total (TAF) as of Midnight	1,750	American – Nimbus Reservoir Releases (cfs)	800
Feather – Oroville Reservoir Releases (cfs)	800	Sacramento – Keswick Reservoir Releases (cfs)	3,250
		Stanislaus – Goodwin Reservoir Releases (cfs)	300
<b>DELTA OPERATIONS</b>			
Outflow (cfs)	~5,600	Delta Cross Channel (DCC) Gates	Closed
Total Delta Inflow (cfs)	~11,205cfs	OMR (cfs)	-4459
X2 (km)	= 78	5-day average (cfs)	-4659
Export/Inflow (%)	35%(14-day avg)	14-day OMR (cfs)	-4398

RG Fernando(MWD) asked if the X2 is expected to up to 81? Loi Tran(DWR-OCO)sent the following update to the group via e-mail on 3/6/2015:

“The X2 reported during the DAT call is based on daily position. In which case, the standard can be met with outflow, daily EC or 14-day EC. Although we may expect to see the daily X2 to reach 81 km by next week, the 14-day X2 position is expected to be below 81 km by the end of next week.”

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 conference call will be on March 12, 2015.

DRAFT