

## DAT notes for February 2, 2012

Attendees: Angela Llaban, Edmund Yu, Kevin Reece and Andy Chu (DWR), Shing Kong and Matt Moses (CCWD), Geir Aasen and Julio Adib-Samii (CDFG), Leigh Bartoo, Jon Speegle, Craig Anderson (FWS), RG Fernando (MWD), Tom Boardman (SLDMWA), and Barb Byrne (NMFS)

### Salmonid Monitoring

Species*	Red Bluff Diversion Dam RST	Tisdale Weir RST	Knights Landing RST
Date	1/15/12 - 1/28/12	1/26-1/31	1/26-1/31
CHNF	1,096,441	2086	3403
CHNLF	369	1	0
CHNW	9,506	25	42
CHNS	5,443	3	7
CHN hatchery		14	14
SH wild	818		1
SH hatchery		28	50
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead			

A summary of Chinook monitoring data can be found at:

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

Hatchery Releases: Livingston Stone National Fish Hatchery (LSNFH) plans to release about 194,000 BY 2011 winter-run Chinook salmon on Feb 9, 2012. These fish will be released into the Sacramento River at Caldwell Park in Redding, CA. This release group is 100% marked (CWT and adipose fin clipped) with an average fork length of 85 mm. Winter-run Chinook from LSNFH will be monitored for incidental take at the Delta fish facilities.

### Delta Monitoring

Trawl and Seine Report for 1/15/2012 to 1/28/2012				
Species*	Beach Seines	Mossdale KDTR	Sacramento KDTR	Chippis Is MWTR
CHNF	952		537	
CHNLF				
CHNW	12		2	1
CHNS	24		1	
CHN hatchery	3		27	10
SH wild			1	
SH hatchery	1		31	2
DSM	3			29
LFS				
SPLT	3			2
*Chinook race based on length; CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS=Spring run, SH = Steelhead, DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail				

No longfin smelt were caught in the past two weeks. Delta smelt were caught in the Liberty Island beach seines and were 64-72mm with no expression. Delta smelt caught in the Chipps Island trawls were 57-73 mm with no expression.

**Salvage**

Salmonids - Salvage report for 1/23/2012 to 1/29/2012								
Species	CVP				SWP			
	Adipose Clip Hatchery		Non-Adipose Clip Wild		Adipose Clip Hatchery		Non-Adipose Clip Wild	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF								
Total to Date								
CHNLF	19*	14	1	1				
Total to Date	24	20	19	14				
CHNW	91	63	11	8	24	109		
Total to Date	98	70	11	8	24	109		
CHNS								
Total to Date								
SH	16				4			
Total to Date	16				4		8	35

Chinook race based on length; Adipose fin clips indicates hatchery stock; Non-adipose clip indicates natural origin. SWP steelhead loss = salvage x 4.33, CVP steelhead loss = salvage x 0.68.

Smelts and Others – Salvage report for 1/23/2012 to 1/29/2012				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM	19	23**		
LFS				
SPLT	8	193	7	3752
GST				
WST	0	60		

DSM=Delta smelt, LFS=Longfin smelt, SPLT = Splittail, GST=Green sturgeon, WST=White sturgeon

\*Adipose fin-clipped Chinook salmon were originally reported as being winter-run Chinook based on the length of fish at date table, but were later verified as being late-fall run Chinook using the tag information.

\*\*As of Feb 1, total salvage of delta smelt at the federal facility is 39.

Chinook salmon, steelhead, and sturgeon salvage information is also posted at <ftp://ftp.dfg.ca.gov/salvage/> and you can locate the tables under folder "DOSS salvage tables" (you can also try <http://www.dfg.ca.gov/delta/apps/salvage/Default.aspx>) and click on "salvage FTP site").

**Smelt Monitoring**

Lauren Damon (DFG) will fill in on future DAT calls when needed.

Smelt Larva Survey #2 was conducted Jan 23-24. Thirty-five stations were sampled and the data are posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SLS> .

- 4,025 longfin smelt larvae were collected (ave length < 7mm)
- 263 longfin smelt were collected in the Central and South Delta

- One adult delta smelt (67mm) was caught at station 53.

Smelt Larval Survey # 3 is scheduled to begin Feb 6.  
Spring Kodiak Trawl #2 is scheduled to begin Feb 13.

### **Smelt Working Group**

The SWG met twice since the last DAT call. The group scheduled a special call last Friday, Jan 27 because there were 3 consecutive days of delta smelt salvage, which initiates Action 1. Even though criteria were met, the delta conditions were favorable and the risk of entrainment was low. The SWG made no recommendations.

On Jan 30, the SWG held their regular meeting. The group reviewed the monitoring data. Although the low level of salvage was noted, the group felt the distribution and hydrology data showed that the risk of entrainment was still low and therefore, no recommendations were made.

### **DOSS**

DOSS met on Jan 31 and reviewed current fish monitoring data. None of the fish triggers for Action IV.2.3 (OMR flow management) were met. DOSS provided no advice to NMFS and WOMT.

A clarification was provided for the JPE based triggers in Action IV.2.3 since the minimum was set at 2.5 fish/TAF for both stages. The JPE based trigger is below 2.5 fish/TAF this year therefore, the minimum density of 2.5 fish/TAF will be used for the first-stage trigger. The 2.5 fish/TAF minimum fish density in the second-stage density trigger has changed to 5.0 fish/TAF (twice the density of the first stage).

There was a question if the JPE based trigger applied to winter-run Chinook only. This loss density trigger includes older juvenile Chinook (winter-run size fish or greater). This can include yearling fall, yearling late-fall or winter-run Chinook and applies only to wild (un-clipped) Chinook and not to hatchery Chinook.

### **Operations**

<b>Summary for February 2, 2012</b>			
<b>SWP</b>		<b>CVP</b>	
<b>Clifton Court (cfs)</b>	3000	<b>Jones Pumping Plant (cfs)</b>	3200
<b>Outflow (cfs)</b>	12500	<b>American - Nimbus (cfs)</b>	1700
<b>Feather - Oroville (cfs)</b>	1750	<b>Sacramento - Keswick (cfs)</b>	3800
<b>San Luis Total (TAF)</b>	1934	<b>Stanislaus - Goodwin (cfs)</b>	
<b>San Luis Share (TAF)</b>	997	<b>San Luis Share (TAF)</b>	~937
<b>X2 (Km)</b>	74		
<b>E/I (%)</b>	30.3		
<b>OMR (daily)</b>			
<b>OMR 5 day (cfs)</b>	- 4898		
<b>OMR 14 day (cfs)</b>	- 4958		

Clifton Court is currently at 3,000 cfs but will reduce to 2,500 cfs on Monday 2/6 to meet Delta outflow requirements.

Jones pumping plant is currently at 4 units. On Saturday Feb 4, they will reduce pumping to 3 units targeting 2,400 cfs. This reduction is to meet Delta outflow requirements. Keswick releases will reduce to 3,250 on Feb 8.

Releases at Oroville are stable at 1,750 cfs.

Daily operations summary can be viewed at:

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

**Next meeting:** The next DAT conference call is tentatively scheduled for February 9, 2012 at 11:00am. If delta conditions and current operations remain relatively the same, an email update will be send in lieu of a conference call.