

**DAT notes for 10 March 2011**

Attendees: Angela Llaban, Francine Mejia, Reza Shahcheraghi and Andy Chu (DWR), Geir Aasen and Julio Adib-Samii (DFG), Bruce Oppenheim and Barbara Byrne (NMFS), Jonathan Speegle (USFWS), RG Fernando and Owen Lu (MWD), Laura Kimm (KCWA)

**DFG & USFWS TRAP REPORT**

Knight's Landing: March 3-9, 2011

Average flows ~15,000 cfs, Ave. temp 53°F, Ave. turbidity 21 NTU

Currently juvenile Chinook catch is of either fall or spring-run sized fish F+S CPUE peaked at 28.1 on 3/7 and decreased to 8.4 on 3/9. No late-fall or winter run Chinook were caught (W+LF CPUE = 0). One hatchery Chinook, 2 hatchery Steelhead and 0 wild Steelhead caught for the period of reporting.

Chinook monitoring data can be found at: <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>

**USFWS TRAWL & SEINE REPORT**

Salmonids- USFWS Trawl and Seine Report for 02/27/2011 to 03/05/2011				
Species*	Chippis Is MWTR	Sacramento KDTR	Mosssdale KDTR	Beach Seines
CHNF	0	43	1	226
CHNLF	0	0	0	0
CHNW	7	0	1	0
CHNS	0	9	0	27
CHN hatchery	2	0	0	0
SH - wild	1	4	0	0
SH - hatchery	12	5	0	0

\*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin  
Field sampling seasons for all trawls and seines begins 1 August 2010 and ends 31 July 2011.

Smelts and Others- USFWS Trawl and Seine Report for 02/27/2011 to 03/05/2011								
Species	Chippis Is		Sacramento		Mosssdale		Beach Seine	
	#	Size Range	#	Size Range	#	Size Range	#	Size Range
DSM	12	64-77	0	-	0	-	0	
LFS	2		0		0		0	
SPT	1		0		0		2	
GST	0		0		0		0	
WST	0		0		0		0	

**SALVAGE REPORT**

Salmonids - Salvage report for 02/28/2011 to 03/06/2011								
Species	CVP Adipose Clip Hatchery		CVP Non-Adipose Clip Wild		SWP Adipose Clip Hatchery		SWP Non-Adipose Clip Wild	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF	0	0	60	37	0	0	8	34
Total to Date	36	25	533	325	94	401	72	295
CHNLF	0	0	0	0	0	0	0	0
Total to Date	224	154	160	105	469	2009	36	152
CHNW	0	0	83	55	15	66	87	387
Total to Date	107	73	476	323	284	1223	504	2205
CHNS	0	0	0	0	0	0	0	0
Total to Date	0	0	12	7	0	0	4	17
Sum of all Races to Date	367	252	1181	760	847	3633	616	2669
SH	26	-	28	-	54	-	25	-
Total to Date	164	-	67	-	363	-	151	-

\*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin

Smelt and Others – Salvage report for 02/28/2011 to 03/6/2011		
Species	CVP Salvage	SWP Salvage
DSM	0	0
Total to Date	12	0
LFS	0	0
Total to Date	4	0
SPT	0	128
Total to Date	221	1224
GST	0	2
Total to Date	0	2
WST	0	0
Total to Date	0	0

The green sturgeon salvaged at the state facility was 340 mm in length and is the first since 2008. Combined season total loss of winter-run length non-clipped Chinook is 2,528. The 2 % incidental take level is 6,640. The combined season total salvage for non-clipped Steelhead is 218. The consultation criterion for non-clipped Steelhead is 3,000.

SWP & CVP Older Juvenile* Chinook Loss Density	
Date	Combined Older Juvenile Loss Density (fish/TAF)
02/28/2011	7.94
03/01/2011	4.95
03/02/2011	1.09
03/03/2011	5.54
03/04/2011	3.48
03/05/2011	1.20
03/06/2011	1.66

\*Older juveniles defined as all Chinook above the minimum winter run length (Delta Model); Loss density based on loss data obtained from DFG

## SMELT MONITORING

Smelt Larval Survey 4 - 1,266 longfin smelt and 0 delta smelt were caught. SLS 4 data have been posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SLS>. Spring Kodiak Trawl 3 in is in the field this week. Spring Kodiak Trawl data have been posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SKT>. 20mm Survey 1 will begin next week.

## SMELT WORKING GROUP

The SWG met in person this week at the Federal building. The SWG did not make any recommendations for delta smelt or longfin smelt. The larva survey # 4 was completed last week. No delta smelt were collected. Longfin smelt larva were collected mostly downstream of the confluence. The Spring Kodiak Trawl (SKT) survey #3 started this week and results will be available next Monday. Hydrology remains favorable. No longfin smelt or delta smelt were salvaged. The group estimated that the overall risk of entrainment is low given the distributional data and the favorable hydrology.

The 3-day, 3-station average is approaching 12 degrees, the point at which it is assumed there is widespread delta smelt spawning. Temperature is being monitored daily. However, even if the 12 degree criterion is triggered, it doesn't necessarily mean the group will make a recommendation because other information has to be included as well.

## DOSS

On 3/7/11(the last day of the previous 5 day OMR action), the combined older juvenile Chinook salmon loss density exceeded the second stage trigger (12 fish/TAF). DOSS advised NMFS and WOMET to continue targeting an OMR flow of no more negative than -2,500 cfs, until the combined older juvenile Chinook salmon loss density at the fish facilities declines to less than 6.64 fish/TAF for 3 consecutive days.

## OPERATIONS

Summary for March 10, 2011			
SWP		CVP	
Clifton Court (cfs)	3,500	Jones Pumping Plant (cfs)	4,200
Outflow (cfs)	49,000	American- Nimbus (cfs)	6,000
Oroville (cfs)	1,750	Keswick (cfs)	3,900
San Luis Total (TAF)	2,030	Goodwin (cfs)	
San Luis Share(TAF)	1,062	San Luis Share (TAF)	
X2 (Km)	57.1		
E/I (%)	16.1		
OMR (daily)	-1,435		
OMR 5 day (cfs)	-2,310		
OMR 14 day (cfs)	-2,270		

Daily operations summary can be viewed at: <http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>

Respectfully submitted,  
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