

**DAT notes for 03 February 2011**

Attendees: Angela Llaban, Cynthia LeDoux-Bloom and Reza Shahcheraghi (DWR), Geir Aasen and Julio Adib-Samii (DFG), Barbara Byrne and Garwin Yip (NMFS), Shing Kong (CCWD), Leigh Bartoo, Nick Hindman and Angie Bourandas (FWS), Tom Mornstein-Marx (BR), Owen Lu (MWD), and Tom Boardman (SLDMWA).

**HATCHERY REPORT (A.Llaban)**

Livingston Stone NFH release of winter-run Chinook on February 3, 2011 will be monitored for incidental take at the pumps along with the December and January spring surrogate releases.

State and Federal Hatchery Releases												
	LS	Date	CNFH	Date	FRH	Date	Nimbus	Date	Moke	Date	Merced	Date
CHNF												
CHLF			778,253	12/09/10								
			76,171	12/21/10								
			157,719	1/14/11								
CHNW	123,870	2/3/2011										
CHNS												
SH			715,712	1/3/11 - 1/10/11								

**DFG & FWS TRAP REPORT (A. Llaban)**

At Red Bluff, winter and late-fall Chinook passage has been low. Majority of fish passing through RBDD are fall-run Chinook (>50,000 fish/day). Mill and Deer Creek tributaries are monitored for spring-run emigration. DFG has resumed fishing the traps and will try to send an update on the catch data soon.

At Knight's Landing, total catch ranged from 3-36 fish/day. Catch has decreased since last week to F+S CPUE = 2.28. Winter and late-fall Chinook catch has been low. W+LF CPUE has been zero the last few days. No wild or hatchery steelhead were caught.

FWS & DFG Rotary Screw Trap Reports												
	Red Bluff		Mill		Deer		Moulton		Tisdale		Knight's Landing	
Report Period	Jan 15-28, 2011		No update		No update		Jan 27-Jan 30, 2011		Jan 27-30, 2011		Jan 27-Feb 2, 2011	
Flow (cfs)	~7,000		235		211		8,300		9,400		~9,500	
Turbidity (NTU)	2.7						5.78		8.71		2.3 ft (secchi)	
H2O (F) (C)		9.6		7.4		7.0	50		48.2		51	
	Non-Ad Clip Wild		Non-Ad Clip Wild		Non-Ad Clip Wild		Ad Clip Hatchery	Non-Ad Clip Wild	Ad Clip Hatchery	Non-Ad Clip Wild	Ad Clip Hatchery	Non-Ad Clip Wild
CHNF	1,365,873		ND		ND		1	72	4	66	0	62
Total to Date	3,398,582							1655		2465		2445
CHNLF	0							0		0		0
Total to Date	187,662							25		12		7
CHNW	8,898							0		2		1
Total to Date	1,306,787							205		273		341
CHNS	2,578						5	12	157			
Total to Date	96,219						275	74	69	270	66	133
SH	188						11	0	4	0	1	0
Total to Date	504						93	2	35	1	33	0

ND= No data available. \*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin

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

**USFWS TRAWL & SEINE REPORT (A. Bourandas)**

Catch of winter and late-fall run Chinook has decreased. There is an increase in catch of fall-run Chinook.

Salmonids- USFWS Trawl and Seine Report for 01/23/2011 to 01/29/2011				
Species	Chippis Is MWTR	Sacramento KDTR	Mossdale KDTR	Beach Seines
CHNF	0	7	0	641
CHNLF	1	0	0	0
CHNW	0	0	0	0
CHNS	0	0	0	73
CHN hatchery	9	0	0	0
SH - wild	0	0	0	0
SH - hatchery	27	0	0	1
*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 01/23/2011 to 01/29/2011								
Species	Chippis Is		Sacramento		Mossdale		Beach Seine	
	#	Size Range	#	Size Range	#	Size Range	#	Size Range
DSM	4	65-70mm	0	-	0	-	0	-
LFS	0		0		0		0	
SPT	2		0		0		0	
GST	0		0		0		0	
WST	0		0		0		0	

**SALVAGE REPORT (G. Aasen)**

Salvage report for 01/24/2011 to 01/30/2011								
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	151	89	0	0	0	0
Total to Date	36	25	335	198	94	401	50	204
CHNLF	0	0	0	0	0	0	0	0
Total to Date	220	151	164	108	469	2009	36	152
CHNW	20	14	32	22	0	0	5	22
Total to Date	71	49	269	173	235	1009	163	705
CHNS	0	0	0	0	0	0	0	0
Total to Date	0	0	12	7	0	0	0	0
Sum of all Races to Date	347	238	780	485	798	3419	249	1062
SH	48	-	0	-	28	-	12	-
Total to Date	52	-	0	-	56	-	26	-
*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin								

No Delta Smelt were salvaged at either facility (seasonal total CVP=8, SWP=0). No Longfin Smelt were salvaged at either facility (seasonal total CVP=4, SWP=0). Splittail were salvaged at both state and federal facilities (CVP= 4, seasonal total = 201; SWP =0, seasonal total =856). No white or green sturgeon were salvaged at either facility.

**SMELT MONITORING (J. Adib-Samii)**

Smelt Larva Survey #2 finished this week. 35 stations were sampled and data is currently being processed. Data will be posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SLS>. Spring Kodiak Trawl will be next week.

**SMELT WORKING GROUP (L. Bartoo, F. Mejia)**

No recommendations were made. The group concluded that the overall risk of entrainment for delta smelt is low given the SKT distribution from recent surveys, low turbidity and favorable hydrology. Apparent abundance remains very low and recent occurrence of first flush conditions raises concern for the species into the moderate range. The risk of delta smelt entering the central and south Delta is likely to remain low, due to decreasing turbidity and anticipated level of flow for the San Joaquin River. Longfin smelt larvae were collected in very low numbers at 4 of 12 central and south Delta criteria stations. Both frequency of occurrence and catch at the positive stations were below levels of concern for longfin smelt. There was no salvage of delta smelt or longfin smelt.

**DOSS (B. Byrne)**

On 1/20/2011, the loss density trigger was met (NMFS OCAP Opinion, Action IV.2.3), and exports were reduced to maintain OMR flows of no more negative than -3,500 cfs. The action ended last week when loss density values were under the trigger for 3 consecutive days. No triggers were hit and DOSS recommended to WOMT and NMFS that the projects continue to operate to an OMR flow of no more negative than -5,000 cfs.

**OPERATIONS (R. Shahcheraghi)**

Summary for February 3, 2011			
SWP		CVP	
Clifton Court (cfs)	5,000	Jones Pumping Plant (cfs)	4,100
Outflow (cfs)	20,700	American- Nimbus (cfs)	2,500
Oroville (cfs)	1,750	Keswick (cfs)	4,000
San Luis Total (TAF)	1,918	Stanislaus (cfs)	
San Luis Share(TAF)	972	Mokelumne (cfs)	
X2 (Km)	63.9	Tuolumne (cfs)	
E/I (%)	27.5		
OMR (daily)	-4120		
OMR 5 day (cfs)	-4397		
OMR 14 day (cfs)	-4341		

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

The next DAT call is scheduled for Thursday, Feb 10, at 11:00 am. Call in number will be 916-657-4111.

Respectfully submitted,  
 Angela Llaban & Cynthia LeDoux-Bloom