

DAT notes for 28 April 2011

Attendees: Angela Llaban and Francine Mejia, and Andy Chu (DWR), Geir Aasen and Julio Adib-Samii (DFG), Leigh Bartoo and Jonathan Speegle (USFWS), Owen Lu (MWD)

DFG & USFWS TRAP REPORT

RBDD: April 9-22, 2011

FWS were unable to sample during some days of this report due to high volume of water release from Keswick Dam and to avoid catching fall juvenile salmon released by Coleman hatchery. Winter-run passage is low now. Most Chinook passage is of fall and spring run YOY. Some steelhead are still moving through.

Knight's Landing RST: April 21-27, 2011

Flows have decreased to ~14,000 cfs. Total catch peaked last week on 4/21 and has decreased since then. Most Chinook were either fall or spring run. F+S CPUE 18.89-113.28. There are many hatchery Chinook at Knight's landing, most likely from the recent Coleman release of fall-run. No hatchery or wild steelhead were caught.

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 04/17/2011 to 04/23/2011				
Species*	Chipps Is MWTR	Sacramento KDTR	Mossdale KDTR	Beach Seines
CHNF	7	314	0	153
CHNLF	0	0	0	0
CHNW	15	0	1	0
CHNS	251	203	6	20
CHN hatchery	8	9	0	3
SH wild	0	0	0	0
SH hatchery	1	0	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 04/17/2011 to 04/23/2011								
Species	Chipps Is		Sacramento		Mossdale		Beach Seine	
	#	Size Range	#	Size Range	#	Size Range	#	Size Range
DSM	1	74mm	0	-	0	-	3	67-85mm
LFS	0		0		0		0	
SPT	0		0		0		0	
GST	0		0		0		0	
WST	0		0		0		0	

Note: Mossdale Trawls are being conducted by DFG Region 4. Mossdale trawl report is for Apr 18-19. Delta smelt were caught in the Discovery Park and Garcia Bend beach seines. Delta smelt showed no expression.

SALVAGE REPORT

Salmonids - Salvage report for 04/18/2011 to 04/24/2011								
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	40	27	0	0	28	120
Total to Date	224	25	583	360	94	401	132	549
CHNLF	0	0	0	0	0	0	0	0
Total to Date	224	154	160	105	469	2009	36	152
CHNW	0	0	0	0	0	0	0	0
Total to Date	150	102	841	577	311	1342	861	3783
CHNS	0	0	464	363	0	0	1211	5308
Total to Date	0	0	826	629	0	0	1460	6355
Sum of all Races to Date	410	281	2411	1671	874	3753	2489	10840
SH	0	-	0	-	0	-	24	-
Total to Date	205	-	101	-	450	-	303	-

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

Smelt and Others – Salvage report for 04/18/2011 to 04/24/2011		
Species	CVP Salvage	SWP Salvage
DSM	0	0
Total to Date	51	0
LFS	0	0
Total to Date	4	0
SPT	4	79
Total to Date	254	1643
GST	0	0
Total to Date	0	2
WST	0	0
Total to Date	0	0

Combined season total loss of winter-run length non-clipped Chinook is 4,360. The 2% incidental take level is 6,640. The combined season total salvage for non-clipped steelhead is 404. The consultation criterion for non-clipped Steelhead is 3,000.

No larval delta smelt were sampled through 4/24 at the CVP and 4/27 at the SWP. No longfin smelt larvae were sampled at either facility. Older juvenile Chinook loss density has been zero for the past week.

SMELT MONITORING

20 mm Survey 3 completed a partial Survey on 4/14/11 (42/47 stations sampled). 20 mm survey data posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=20mm>. 20mm Survey 4 is in the field this week; 5 additional high-out flow stations are being sampled and are scheduled for Survey 5 as well. SKT Survey 5 is scheduled to begin 5/2/11; this will be the final SKT Survey for 2011. Spring Kodiak Trawl data posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SKT>.

SMELT WORKING GROUP

Conditions are favorable and risk of entrainment is low. Therefore the group had no advice and no recommendations.

DOSS

Action IV.2.1:

Vernalis flows are expected to drop below 21,750 cfs Thursday 4/28/11. DOSS advises that the I/E ratio should start within 3 days of the Vernalis flows dropping below the 21,750 cfs flow threshold in the NMFS BiOp.

Action IV.2.3:

Loss densities over the past week have not exceeded any of the triggers of Action IV.2.3. Therefore, DOSS advises that the projects should continue operate to the OMR limit of -5,000 cfs.

OPERATIONS

Summary for April 28, 2011			
SWP		CVP	
Clifton Court (cfs)	6,680	Jones Pumping Plant (cfs)	2,000
Outflow (cfs)	61,900	American- Nimbus (cfs)	8,000
Oroville (cfs)	12,000	Keswick (cfs)	6,000
San Luis Total (TAF)	2,031	Goodwin (cfs)	
San Luis Share(TAF)	1,065	San Luis Share (TAF)	
X2 (Km)	56		
E/I (%)	7.3%		
OMR (daily)			
OMR 5 day (cfs)	5,869		
OMR 14 day (cfs)	7,115		

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

Respectfully submitted,
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