

DAT notes for January 12, 2012

Attendees: Angela Llaban, Edmund Yu, Andy Chu and Wenli Yin (DWR), Shing Kong (CCWD), Geir Aasen (DFG), Barb Byrne (NMFS), Leigh Bartoo and Jon Speegle (FWS), and RG Fernando (MWD)

Salmonid Monitoring

Species*	Red Bluff Diversion Dam RST	Tisdale Weir RST	Knights Landing RST
Date		1/6/12-1/11/12	1/6/12-1/11/12
CHNF		3	
CHNLF			1
CHNW		2	
CHNS			
CHN hatchery		6	1
SH wild		1	
SH hatchery			
*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: Coleman National Fish Hatchery plans to release about 80,892 BY 2011 late-fall Chinook (100% marked, average 135 mmfl) on Jan 13. This group of fish represents spring-run surrogates and will be monitored for incidental take at the State and Federal water export facilities.

Delta Monitoring

Trawl and Seine Report for 1/1/2012 to 1/7/2012				
Species*	Beach Seines	Mossdale KDTR	Sacramento KDTR	Chippis Is MWTR
CHNF	15		2	
CHNLF				
CHNW	1			
CHNS	7			
CHN hatchery				2
SH wild				
SH hatchery				
DSM				55 (51-69mm)
LFS				11
SPLT				1
*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				

Most Chinook were caught in the Sacramento area beach seines (Verona and Elkhorn).

Salvage

Salmonids - Salvage report for 1/3/2012 to 1/11/2012								
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			4	4				
Total to Date			19	13				
CHNW	4	4						
Total to Date	4	4						
CHNS								
Total to Date								
SH							4	17
Total to Date							8	35

*Chinook race based on length; Adipose 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 1/3/2012 to 1/11/2012				
Species	CVP		SWP	
	Salvage	Total to Date	Salvage	Total to Date
DSM				
LFS				
SPLT	0	178	20	3,727
GST				
WST	0	60		

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

This report covers the period from 1/3/2011 to 1/11/2012.

One winter-run sized (151mm) ad-clipped Chinook was salvaged on 1/11/12 at the Federal facility. Although the Chinook is classified as a winter-run based on length, the coded-wire tag data indicate it is actually a late-fall run Chinook from the Coleman National Fish Hatchery production group released on 12/16/11.

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

CDFG's Smelt Larval Survey (to track larval longfin smelt distribution) began on 1/9/12 and the Spring Kodiak Trawl (to track adult delta smelt distribution) will begin on 1/17/12.

Smelt Working Group

There were no changes in Delta conditions and no observed salvage of smelt. Therefore, the SWG did not meet this week. There were no recommendations.

Based on the 2011 Final Fall Midwater Trawl index, the authorized incidental take of delta smelt adults is 2,487. The concern level is 1,862.

Component 1, Action 1, Part B states that Projects are to maintain OMR flows no more negative than -2,000 cfs for 14 days if the cumulative daily salvage exceeds 343 adult delta smelt, if there are 3 consecutive days of delta smelt salvage, or if the 3-day, 3 station average turbidity exceeds 12ntu. Action 1 will begin after December 20 and concludes when water temperatures reach 12°C (daily mean at Mossdale, Antioch and Rio Vista) or when evidence of spawning (i.e. spent females) is observed.

Action 2 will begin immediately following Action 1.

DOSS

DOSS met on Tuesday 1/10/12.

The preliminary winter-run juvenile production estimate (JPE) is about 58,000 compared to ~332,000 last year. One fish trigger in Action IV.2.3 is based on the winter-run JPE. Last year the JPE based density triggers calculated to 3.32 and 6.64 fish/TAF. Using the preliminary JPE, both loss density triggers (Action IV.2.3) fall below the minimum value of 2.5 fish/TAF. For the interim, 2.5 fish/TAF is the trigger, but this could change pending the official JPE.

There was a question about which OMR level (-3,500 or -2,500 cfs) would be triggered if 2.5 fish/TAF is used for both first and second stage triggers. Next week, DOSS will discuss how to implement the action when both cases are using the same minimum value as the fish trigger.

Operations

Summary for January 12, 2012			
SWP		CVP	
Clifton Court (cfs)	4,000	Jones Pumping Plant (cfs)	1,900
Outflow (cfs)	6,700	American - Nimbus (cfs)	1,750
Feather - Oroville (cfs)	1,750	Sacramento - Keswick (cfs)	4,600
San Luis Total (TAF)	1,955	Stanislaus - Goodwin (cfs)	
San Luis Share (TAF)	987	San Luis Share (TAF)	
X2 (Km)	>81		
E/I (%)	40.7		
OMR (daily)			
OMR 5 day (cfs)	- 4,552		
OMR 14 day (cfs)			

Daily operations summary can be viewed at:

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

The increase in Clifton Court inflow is due to OMR. The daily OMR is tracking around -4,500 cfs and the 14-day is close to -5,000 cfs. Projects are still on track in meeting the 14-day running average of -5,000 cfs OMR flows.

Next meeting: The next DAT conference call is scheduled for January 19, 2012 at 11:00am.