

Summary of DAT Conference Call 1/8/2008

Participants: EChappell(DWR), JSpeegle(FWS),
JWhite(DFG), AChu(DWR), BOppenheim(NOAA),
BPoytress(FWS), LShih(CCWD), LBartoo(FWS),
FBrewster(SCVWA), TBoardman(SLDMWA),
KTotzke(KCWA), BFujimura(DFG), MFord(DWR),
TWashburn(BR)

Conclusions and Recommendation

Juvenile Chinook catch increased at Knight Landing with last week's storm. The rotary screw traps at RBDD, Mill Creek, and Deer creek did not operate during the storm due to high flows and heavy debris.

In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. This action will continue until there is evidence of spawning. Under Action 1.B.3.b(1) the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average.

No operational changes were recommended at this time.

Next DAT Conference Call Tuesday, 1/8/2008, 9:00 am - 11:00 am. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam – FWS raised the cones on January 4th and pulled the traps off the river on January 5th due to the storm. For the 3 days leading up to the storm winter-run passage decreased averaging 42 per day. So far passage this season is 1.47 million.

Late fall Chinook passage averaged 170 per day and spring-run passage averaged 21 per day. Fall Chinook passage continues to dominate the catch averaging 100,000 per day. No steelhead were caught during the three sampling days. Flows at Bend Bridge peaked at 38,000cfs but are back down to 7,300cfs. FWS installed the traps yesterday, 1/6.

FWS will also release approximately 650,000 steelhead at Bend Bridge this week. All of the steelhead will have their adipose fin clipped but will not be coded-wire tagged.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php.

Mill Creek – DFG removed the trap on January 3rd in anticipation of the storms and will replace the trap later this week when flows subside.

Deer Creek – DFG removed the trap on January 3rd in anticipation of the storms and will replace the trap later this week when flows subside.

Butte Creek – No update.

GCID – No. update.

Knights Landing – Catch of Chinook increased with the flow event. Last week, DFG caught 19 older juvenile, 239 fry/smolts, and 4 adclipped Chinook. The catch per trap day ranged from 0 to 5 for older juvenile Chinook and 0 to 105 for fry/smolts. The catch continued to increase yesterday, 1/7. DFG caught 1058 fry (567 per trap day) and 33 older juvenile (18 per trap day) Chinook. The flows peaked at 24,000cfs on 1/6. About a foot and a half of water flowed over Tisdale Weir for one day during the flow event.

Delta Monitoring

In the last week, FWS continued to catch low numbers of Chinook in the Sacramento River beach seining and at Chipps Island. They also caught 1 splittail and four delta smelt.

Sacramento Kodiak Trawl - 2 sample days, 20 samples. No species of interest.

Lower Sacramento River seine – 1 sample day, 4 samples. FWS caught 1 fry/smolt and 4 older juvenile Chinook but no other species of interest.

Sacramento Area seine – 1 sample days, 7 samples.

No species of interest.

North Delta seine - 1 sample day, 6 samples. FWS caught 1 fry/smolt Chinook and no other species of interest.

Central Delta seine - 1 sample day, 7 samples. No species of interest.

South Delta seine - 1 sample day, 3 samples. No species of interest.

Mossdale Kodiak Trawl - 2 sample days, 20 samples. No species of interest.

San Joaquin River seine - 1 sample day, 5 samples. No species of interest.

Chippis Island Midwater Trawl - 5 sample days, 65 samples. FWS caught 3 older juvenile and 3 adclipped Chinook. They also caught 1 splittail and 4 delta smelt.

Bay seine - 0 sample day, 0 samples.

Delta Action 8 – The second portion of the Delta Action 8 experiment will begin next week. FWS will release 130 acoustically tagged Chinook in West Sacramento over a 24 period starting on 1/15. The second group of 80 acoustically tagged Chinook will be released in Georgiana Slough starting on 1/17. Approximately 70,000 CWT Chinook will also be released in Georgiana Slough on 1/17 and 36,500 released at Ryde on 1/18.

Spring-run Surrogates – The first spring-run surrogate release of Coleman Hatchery late-fall Chinook was made in late November. So far the expanded loss at the Delta Fish Facilities is 8 or 0.005% of the total release. FWS will make the second spring-run surrogate release on Monday, 1/14. They will release approximately 83,750 late-fall Chinook in Battle Creek.

Delta Smelt Monitoring

FMWT – The December delta smelt index and the Annual

index are still under management review and have not been released. The indices for the September, October, and November surveys are posted at <http://www.delta.dfg.ca.gov/data/mwt/>.

Spring Kodiak Trawl – DFG started the first SKT survey yesterday, 1/7. For one day of sampling with 9 stations, DFG caught one female delta smelt in the lower San Joaquin River. The smelt was 73mm long and at a reproductive stage of 3. Female delta smelt at stage 3 have eggs between 0.25 and .5mm in size. At stage 4 the fish are considered ripe with an egg size of ~1mm. At stage 5 the fish should have spawned and at stage 6 the fish are spent.

Judge Wanger's Order – the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. This action will continue until there is evidence of spawning. Under Action 1.B.3.b(1) the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average. The operators anticipate this action will last for quite some time as spawning is not expected to start until water temperatures increase to at least 12C.

Salvage Facilities –

Chinook – CVP salvaged 20 adclipped Chinook last week. No Chinook have been salvaged at SWP yet this season.

Steelhead – None.

Delta smelt – None.

Splittail – SWP salvaged 32 splittail for a season total of 74.

Longfin smelt – None.

Sturgeon – None.

The CVP lost power due to the storm on January 4th. They resumed salvaging at 1530 using a transformer. They lost power briefly on January 5th around 1000 but resumed salvaging at 1130.

At Jones Pumping Plant they are counting for 30 minutes every two hours. The increase in the counting period from 10 minutes to 30 minutes was implemented on December 19th as part of the Judge Wanger's delta smelt order (Action 1.B.2).

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

Operations

SWP -

CCFB – 3,000cfs.

Oroville – 1,450cfs

X2 - < 81 km

E/I - 14-day ~33%

San Luis - ~668taf. SWP share of San Luis capacity is 1,062 taf.

EWA - Based on preliminary estimate, the Action 1.B.3.a(1) (10-day OMR average of -2000cfs) could potentially cost SWP approximately 40 to 60 taf.

CVP -

Jones PP – 3,800cfs.

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 4,000cfs

Nimbus – 1,135cfs

Goodwin – 280cfs

San Luis - 661taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 35,446cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 2,528cfs

Delta Outflow ~ 47,534cfs. The 7-day average is 25,168cfs.

Old & Middle River flow ~ for 1/7, the daily average is -3327cfs and the 7-day average is -2132cfs. The 10-day average during 12/28-1/6 for first action was -1502cfs.

Temperature – (daily average – 1/7)

Antioch ~ 7.9C

Rio Vista ~ 8.0C

Mossdale ~ 9.4C

3-Station Average ~ 8.5C

Delta Water Quality

Since December 28, the Delta is in excess conditions due to OMR fish action objective. Salinity levels continue to improve slightly but still remain close to the concern levels.

January Water Quality Standards –

Delta Outflow – monthly average \geq 4,500cfs, 7-day average \geq 3,500cfs.

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1st and January 31st.

E/I Ratio – 65%

Contra Costa Canal – CI \leq 250 mg/L. In addition, CI \leq 150 mg/L for 165 days per year. This portion of the standard was met in 2007 and started again January 1, 2008.

South Delta – 30-day average EC \leq 1.0.

Suisun Marsh - \leq 12.5mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://wwwoco.water.ca.gov/calfedops/datsummaries.html>.

Erin Chappell

Environmental Scientist

DWR-DES

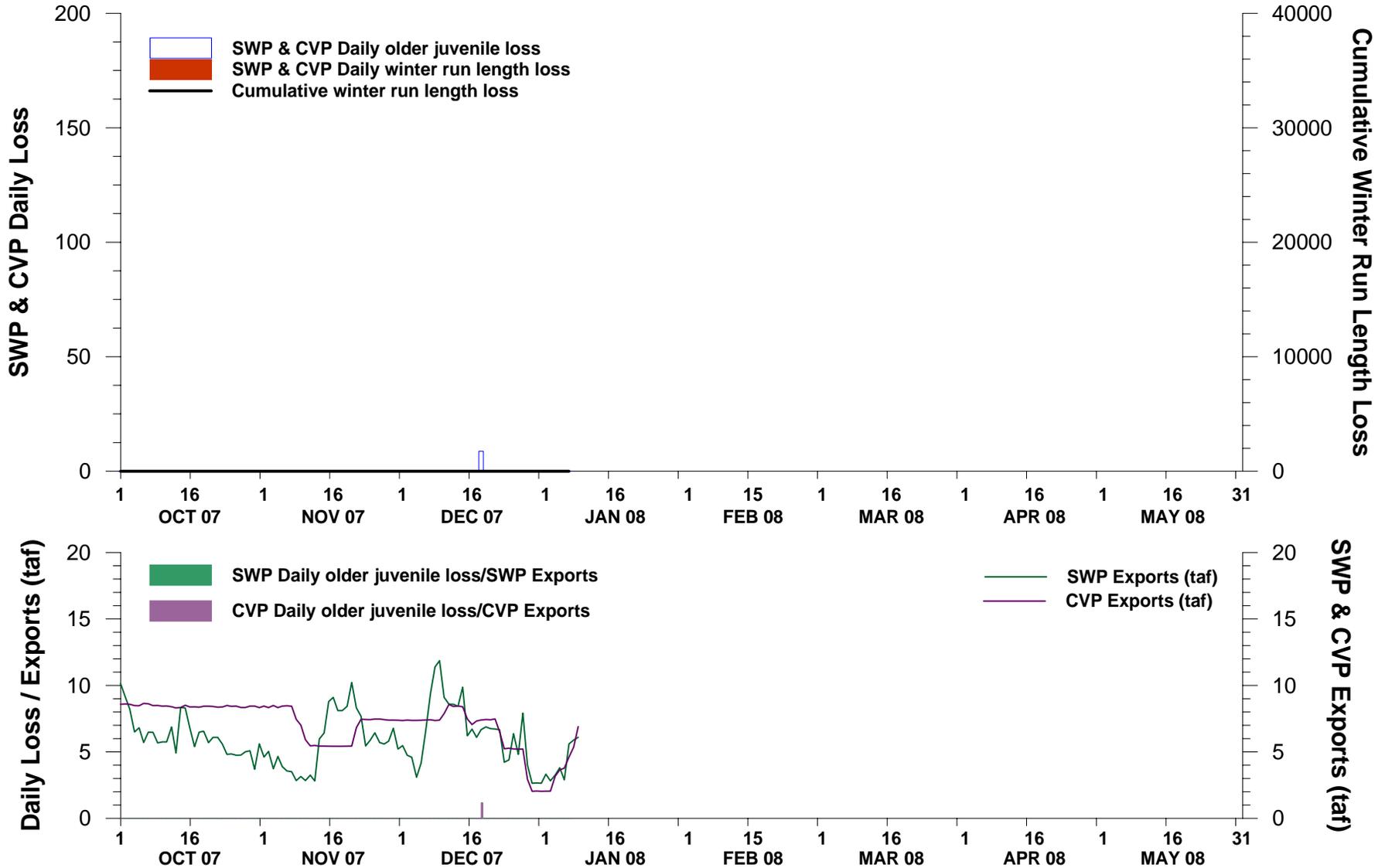
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WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2007 THROUGH 06 JAN 2008



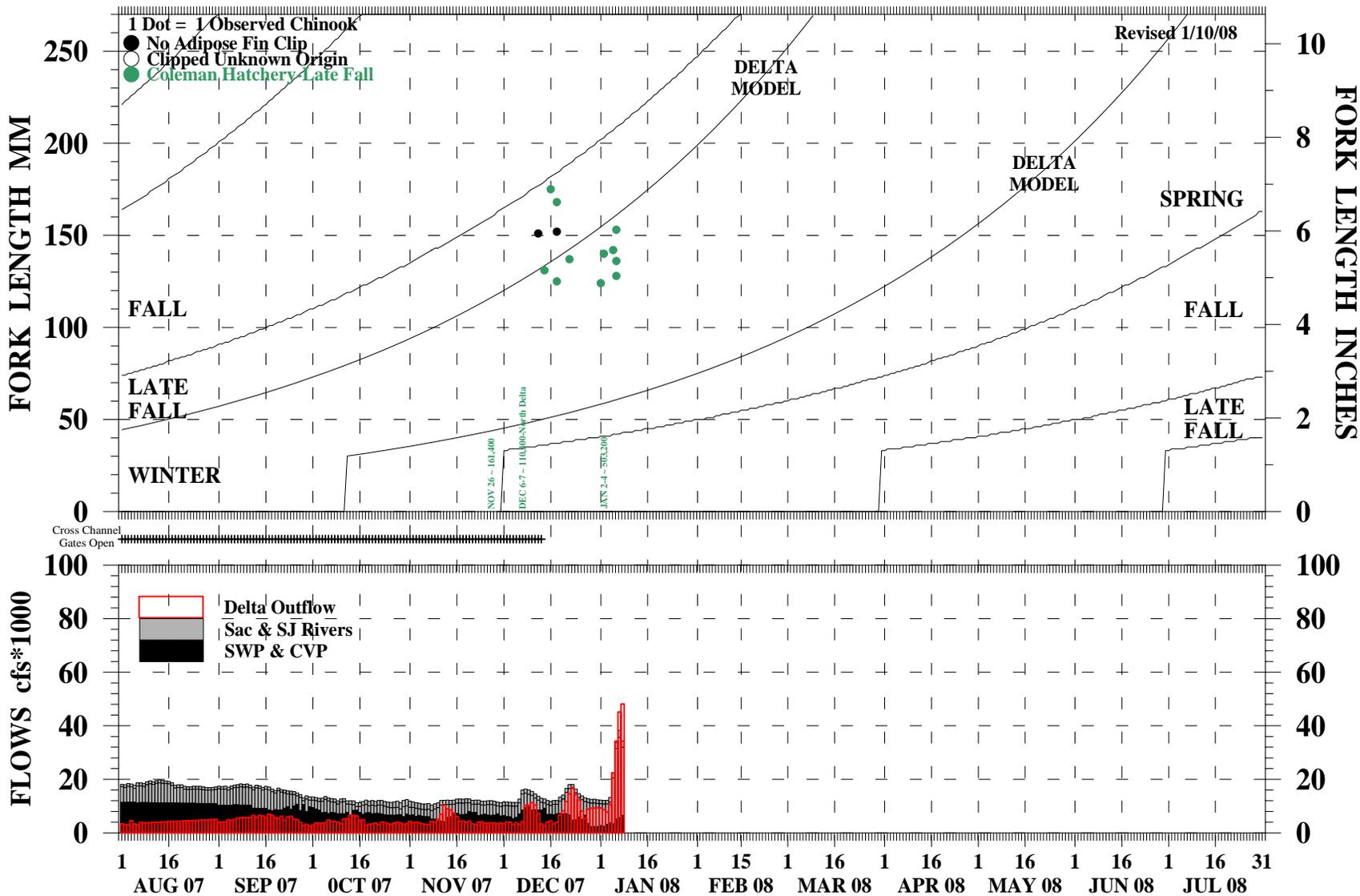
**Coleman Hatchery Late-Fall and Livingston Stone Winter Chinook Loss at the Delta Fish Facilities,
2007/2008**

Release Date	Cwtrace	Release Site	Loss	Release Number	% Loss	Yellow Light	Red Light	Date of First Loss	Date of Last Loss
11/26/07	LF	Battle Creek	8	161,400	0.005	0.5%	1.0%	12/16/07	12/16/07
12/6/07	LF	Georgiana Sl.	24.5	72,400	0.03	n/a	n/a	12/14/07	1/1/08
12/7/07	LF	Ryde	8.65	37,900	0.02	n/a	n/a	12/18/07	12/18/07
1/2-4/08	LF	Battle Creek	0	503,200	0.00	n/a	n/a	*	*
		Lost tag/No tag	0						
		Unknown	18						

For Chinook lost 10/1/2007 through 1/6/2008
SWP Tags read 10/1/2007 through 1/1/2008
CVP Tags read 10/1/2007 through 1/1/2008

Revised 1/8/2008

OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 1/6/08



Salmon Salvage and Loss

From 01-Oct-07 to 06-Jan-08

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LateFall run at CVP facility		Adipose Clipped		Not Clipped	
	SampleDate	Salvage	Loss	Salvage	Loss

	12/12/2007	0	0	0	0
	12/16/2007	12	9	0	0
	12/18/2007	12	9	12	9
Sum of LateFall run at CVP		24	17	12	9

Winter run at CVP facility		Adipose Clipped		Not Clipped	
	SampleDate	Salvage	Loss	Salvage	Loss

	12/14/2007	12	8	0	0
	12/18/2007	12	9	0	0
	12/22/2007	4	3	0	0
	01/01/2008	4	4	0	0
	01/02/2008	4	4	0	0
	01/05/2008	4	4	0	0
	01/06/2008	12	10	0	0
Sum of Winter run at CVP		52	40	0	0

Sum of all races at CVP		76	57	12	9
Total for 10/1/2007 to 1/6/2008		76	57	12	9

Special Species Salvage

From 23-Nov-07 to 06-Jan-08

Longfin Smelt	SampleDate	SWP		CVP	
		Salvage	Acre Feet	Salvage	Acre Feet
	12/18/2007	0		24	7392
Total for Longfin Smelt		0		24	7392

Splittail	SampleDate	SWP		CVP	
		Salvage	Acre Feet	Salvage	Acre Feet
	11/23/2007	18	5437	0	
	11/25/2007	12	6424	0	
	11/26/2007	6	5699	0	
	11/28/2007	6	5791	0	
	01/02/2008	8	2819	0	
	01/06/2008	24	5600	0	
Total for Splittail		74	31770	0	