

## Summary of DAT Conference Call 1/27/2009

Participants: SGreene(DWR),LBartoo(FWS),  
EGleason(DFG), GAasen(DFG), SKong(CCWD),  
TBoardman(DMWA), JSnow(WWD), RSitts(MWD),  
WYin(DWR), BOppenheim(NMFS), MFord(DWR),  
FBruester(SCVWD)

### Conclusions and Recommendation

The smelt larval survey #2 was completed last week. All 35 stations were sampled, and all but three were processed. The longfin smelt 2084 criteria were exceeded last week. At 9 of the 12 interior Delta stations, a total of 89 larval longfin smelt were collected. There were longfin smelt larvae at some other locations too. No delta smelt have been collected yet.

NMFS completed the Juvenile Production Estimate process, including this year's take levels for the Delta export facilities. The 1% level of concern is 6,178, and the 2% take level is 12,356.

No operational changes were recommended at this time.

**Next DAT Conference Call Tuesday, 2/3/2009, 9:00 am - 11:00 pm. 916/657-4111.**

### Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam -

Juvenile winter run passage averaged \_\_\_/day for the past week; a little lower than last week.

Late fall Chinook passage averaged \_\_\_/day, spring run passage averaged \_\_\_/day; a little lower than last week. Fall run passage averaged \_\_\_\_/day, and steelhead passage was \_\_\_/day; a little higher than last week. Ad-clipped salmonids were caught last week from the recent release; \_\_\_\_ total actual Chinook and \_\_\_ total actual steelhead.

Red Bluff flow averaged 4,600 cfs and the water is clear.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at [http://baydelta.ca.gov/Php/Special\\_Reports/red\\_bluff.php](http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php)

Mill Creek – There was a substantial flow increase over the weekend. Flow increased from an average of about 120 cfs to 550 cfs on 1/24/09. The instantaneous flow peaked at 1,170 cfs. Throughout the week, no fish were caught, and on Saturday, DFG pulled the trap to avoid damage from high flows, and then set the trap Sunday. On Monday, DFG caught 4 yearling Chinook and 38 fry Chinook and 1 steelhead. The numbers are an underestimate due to the trap being pulled. Flows are decreasing again, rapidly.

Deer Creek – DFG caught Chinook throughout the week. They caught 4 yearlings and 68 fry; no steelhead. There was debris problem with the trap but it operated all weekend, although at reduced efficiency at times. The flow peaked at 820 cfs.

Butte Creek – no report

GCID – DFG caught a couple hundred young of the year Chinook/day in the last few days, and from 1 to 5 older juveniles. The ad-clip catch decreased from a couple hundred/day to about 50/day.

Knights Landing – DFG caught 2 older and 4 fry/smolt juvenile Chinook last week. They also caught 17 ad-clipped Chinook and 3 ad-clipped steelhead. Flow increased from 4,200 cfs to 8,700 cfs.

Delta Monitoring

FWS caught 1 ad-clipped Chinook and 4 adult delta smelt in the Chipps Island trawl, and one fry Chinook in the Sacramento Area beach seine. Otherwise, no other species of special interest in the rest of the FWS Delta monitoring.

#### Delta Smelt Monitoring

The larval smelt survey #2 was completed last week. All 35 stations were sampled, and all but three stations were processed. DFG caught larval longfin smelt at 9 of the 12 2084 Central Delta criteria stations, for a total of 89 larval longfin, exceeding the 2084 criteria for longfin smelt. There

were some larval longfin smelt at most of the other stations in the Delta and bay, with the highest densities in the lower Sacramento River and the confluence area. No larval delta smelt yet. The next survey is scheduled to begin on 2/2/2009.

<http://www.delta.dfg.ca.gov/data/skt/DisplayMaps.asp>

Spring Kodiak trawl survey #1 was completed two weeks ago. DFG sampled 39 stations, 10 of which had delta smelt, and 5 of which had longfin smelt. There was a total of 579 adult delta smelt; 342 males, 218 females, 19 not identified to sex. Male stage ranged from 1 – 4; most were at stage 3. Female stage ranged from 2 – 4; most at stage 3. Delta smelt length ranged from 47 mm to 94 mm, and averaged 63 mm. DFG caught 6 longfin smelt in the lower Sacramento River and bays. The longfin smelt length ranged from 84 mm– 103 mm. The next survey is scheduled to begin on 2/9/2009.

[http://www.delta.dfg.ca.gov/data/sls/CPUE\\_map.asp](http://www.delta.dfg.ca.gov/data/sls/CPUE_map.asp).

#### Salvage Facilities

Chinook – 2 clipped Chinook were salvaged at the CVP last week; loss = 23. There were none at the SWP. The season total of non-clipped Chinook in the winter run length range is 27, and the seasons total of ad-clipped Chinook is 33.

Steelhead – 6 non-clipped and 3 ad-clipped steelhead were salvaged at the SWP last week. They were large, 300 mm – 400 mm length. There were none at the CVP.

Delta smelt – None

Splittail – None

Longfin smelt - None

Green Sturgeon – None

The DFG Salvage Database can be accessed at this web site: [www.delta.dfg.ca.gov/data/salvage/](http://www.delta.dfg.ca.gov/data/salvage/)

#### Operations

SWP -

CCFB – 2,500 cfs

Oroville - 950 cfs

X2 - > 81 km

E/I – 14-day 43.6%

San Luis - ~366 taf, capacity is 1.062 taf

## CVP -

Jones PP – 1,900 cfs  
DCC - closed  
Trinity – 250 cfs  
Clear Creek – 200 cfs  
Keswick – 3,250 cfs  
Nimbus – 800 cfs.  
Goodwin – 175 cfs  
San Luis - 293 taf. Capacity is 966 taf

## Flows

Sacramento River at Freeport ~ 10,200 cfs  
San Joaquin River at Vernalis ~ 1,300 cfs  
Delta Outflow ~ 14,000 cfs, 7-day average 10,800 cfs  
OMR 14-day average -2,921 cfs, 5-day average is  
-2,510 cfs

## Delta Water Quality

The 3-day average, as of 1/19, at each station is Prisoners Point – 7.19 NTU, Holland Cut – 3.84 NTU, and Victoria Canal – 5.63 NTU.

## January 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 1<sup>st</sup> and January 31<sup>st</sup>.

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 2008 and started again January 1, 2009.

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

Western Suisun Marsh -  $\leq$ 15.6 mS/cm.

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

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