

Summary of DAT Conference Call, 2/24/2009

Participants: Sgreene(DWR), DFullerton(MWD), TBoardman(SLDMWA), NHindman(FWS), JWhite(DFG), MFord(DWR), JSnow(WWD), LBartoo(FWS), JSpeegle(FWS), RSitts(MWD), BOppenheim(NMFS), FCarillo(FWS)

Highlights and Recommendations

No additional fish criteria were met in the last week.

Flows throughout the Sacramento River fluctuated a lot the last two weeks due to the recent storms. Salmonid catch in the Sacramento basin increased a lot with the flows, but no criteria were met.

There was no new information from the smelt larval survey was available today. It will be posted to the web as soon as it is available.

The 3-day average Prisoners Point turbidity increased from 5.9 NTU to 19.1 NTU. The other two stations are still very low, Holland Cut is 4.4 NTU, and Victoria Canal is 5.9 NTU.

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

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam –

The traps were raised three days during the last week; on the 17th, 18th and 22nd due to high flows and debris. Those days were probably the highest passage; therefore, the estimates are probably low.

Juvenile winter run length passage averaged 184/day for the past week.

Young of the year passage averaged 43,452/day.

A total of 9 ad-clipped Chinook were caught.

Steelhead passage was 11/day, and no ad-clipped steelhead.

Red Bluff flow averaged about 13,809 cfs for the week, but peak flow was 26,900 cfs on 2/17/09 and 33,000 cfs on 2/18.

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 – The trap operated on only one day last week due to high flows. 1 yearling and 9 fry Chinook were caught on that one day. The flow fluctuated last week from a high of 1,000 cfs to a low of 200 cfs back to a high of 2,000 cfs. The maximum hourly flow was 3,000 cfs.

Deer Creek – The trap operated on only one day last week due to high flows. 4 yearling and 18 fry Chinook were caught on that one day. The flow fluctuated last week from a high of 1,000 cfs to a low of 300 cfs back to a high of 3,600 cfs. The maximum hourly flow was 4,300 cfs.

Butte Creek – no report

GCID –

Knights Landing – DFG caught 885 fry per 1-trap-week and 3 older juvenile per 1-trap-week. They caught 0.5 non-clipped steelhead per 1-trap-week and 6 ad-clipped steelhead per 1-trap-week. Flow increased to 22,000 cfs early last week, then decreased to 12,600 cfs, then back to 17,000 cfs.

Delta Monitoring –

FWS caught lots of juvenile Chinook and other species of concern; therefore I am reporting the entire report now.

Lower Sacramento Seine - 1 sample day, 5 samples, 30 young of the year Chinook, 1 older juvenile Chinook, 2 ad-clipped Chinook, and 3 ad-clipped steelhead.

Sacramento Kodiak Trawl - 3 sample days, 29 samples, 84 young of the year Chinook, 10 older juvenile Chinook, 6 ad-clipped Chinook, and 30 ad-clipped steelhead.

Sacramento Area Seine - 1 sample day, 1 sample, 21 young of the year Chinook, and no other species of concern (Note: Sac Seine was terminated at the end of January, but 1 site was sampled mistakenly last week).

North Delta Seine - 1 sample day, 9 samples, 15 young of the year Chinook, 1 older juvenile Chinook, 2 ad-clipped Chinook, and 2 adult delta smelt caught at Clarksburg.

Central Delta Seine - 1 sample day, 8 samples, No species of concern.

South Delta Seine - 1 sample day, 5 samples, No species of concern.

San Joaquin Seine - 1 sample day, 3 samples, No species of concern.

Mosssdale Kodiak Trawl - 3 sample days, 30 samples, No species of concern.

Chippis Island Midwater Trawl - 3 sample days, 39 samples, 1 older juvenile Chinook, 5 ad-clipped Chinook, 14 ad-clipped steelhead, and 5 adult delta smelt.

Bay West Seine, 0 day, Not sampled

Bay East Seine, 1 day, 4 samples, No species of concern

Delta Smelt Monitoring

Smelt larval survey #4 was completed last week. The data is not available yet, but will be posted to the web site as soon as it is available.

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

Spring Kodiak Survey #3 is scheduled to start the week of 3/16/2009.

http://www.delta.dfg.ca.gov/data/sls/CPUE_map.asp.

Salvage Facilities

Chinook – Non-clipped winter run length loss was 9 at the CVP and 0 at the SWP. Ad-clipped loss at the CVP was 13, and at the SWP was 55.

Season total non-clipped winter run length loss is 37. Spring surrogate losses are 0.014% and 0.0% respectively.

Steelhead – Non-clipped steelhead salvage was 4

and the CVP and 9 at the SWP. Ad-clipped salvage was 66 at the CVP and 27 at the SWP. Season total salvage is non-clipped 42, and ad-clipped 152.

Delta smelt – None last week. The season total salvage of adult delta smelt is 8.

Splittail – Salvage was 3 at the SWP and 3 at the CVP last week. The season total is 24.

Longfin smelt – None this season

Green Sturgeon – None this season.

The DFG Salvage Database can be accessed at this ftp site. <ftp://ftp.delta.dfg.ca.gov/salvage/>.

Operations

SWP -

CCFB – 2,800 cfs

Oroville - 950 cfs

X2 > 70.52 km; just downstream of Chipps Island

E/I – 14-day 23.5%

San Luis - ~455 taf, capacity is 1.062 taf

The projects declared Excess Conditions starting 2/18/09 due to fish concerns.

CVP -

Jones PP – 2,800 cfs

DCC - closed

Trinity – 300 cfs

Clear Creek – 200 cfs

Keswick – 3,250 cfs

Nimbus – 800 cfs.

Goodwin – 250 cfs

San Luis - 330 taf. Capacity is 966 taf

Flows

Sacramento River at Freeport ~ 27,520 cfs

San Joaquin River at Vernalis ~ 1,744 cfs

Delta Outflow ~ 29,200 cfs, 3-day average ~ 31,000 cfs.

OMR 14-day average -2,339 cfs, 5-day average is -3,522 cfs

Delta Water Quality

Temperature monitoring – Antioch = 10.7 C, Rio Vista = 10.3 C, and Mossdale = 12.6 C. The three station average = 11.2 C. The criterion is 12 C.

Turbidity monitoring - The 3-day average at each station is Prisoners Point = 19.1 NTU, Holland Cut = 4.4 NTU, and Victoria Canal = 5.9 NTU.

February Quality Standards –

Habitat Protection - Meeting Collinsville objective for the entire month of February and Chipps Island objective for 24 days.

Salinity Starting Condition - The daily or 14-day running average EC at Collinsville ≤ 2.64 mS/cm for at least one day between Feb. 1-14.

Vernalis Base Flow - Minimum monthly average flow $\Rightarrow 1,140$ cfs, 7-day average $\Rightarrow 912$ cfs

Delta Cross Channel – Closed

E/I Ratio – 45%

Contra Costa Canal – CI ≤ 250 mg/L. In addition, CI ≤ 150 mg/L for 165 days per calendar year based on Dry Year Classification.

South Delta – 30-day average EC ≤ 1.0 mS/cm.

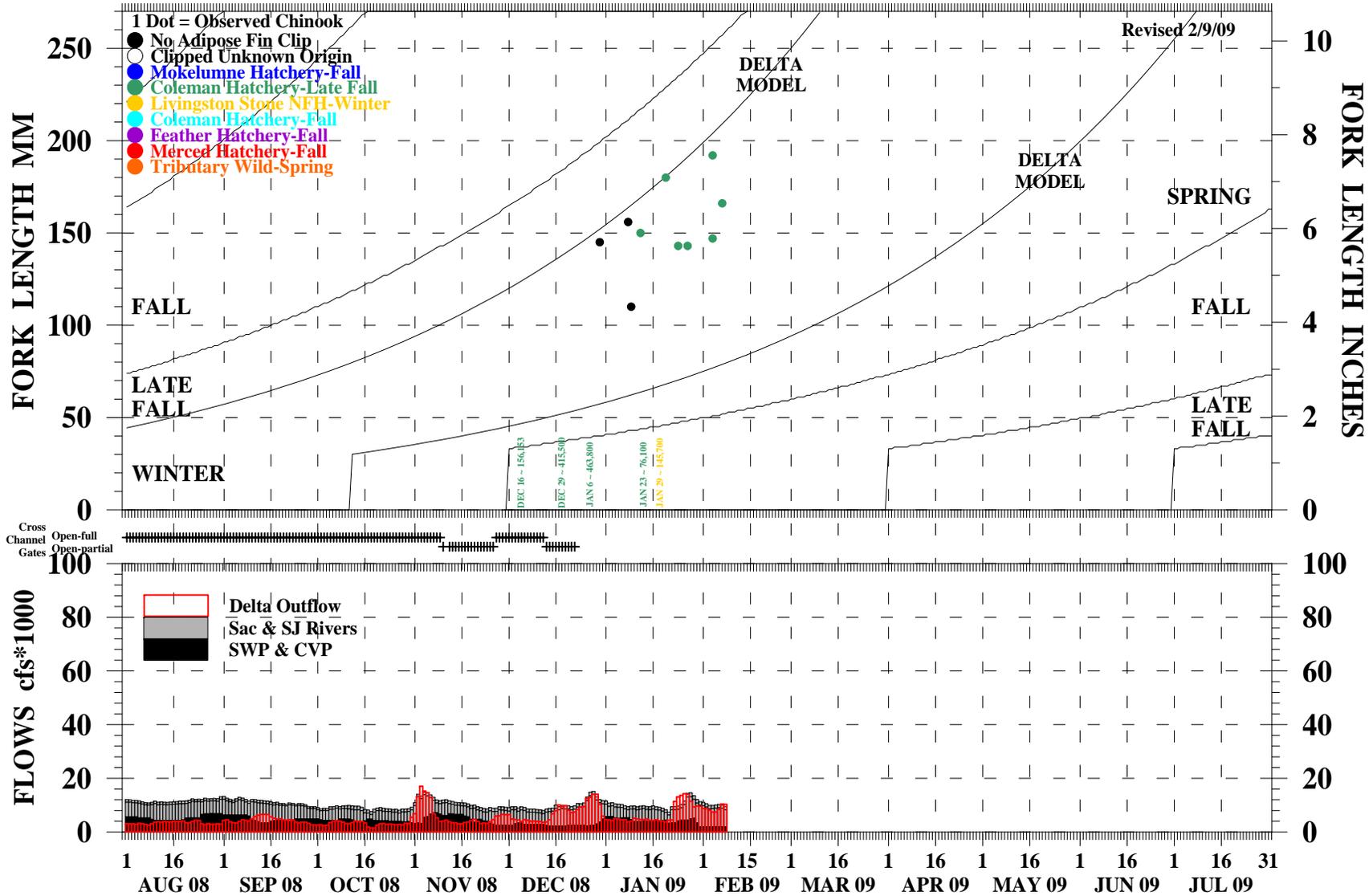
Western Suisun Marsh - ≤ 15.6 mS/cm.

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

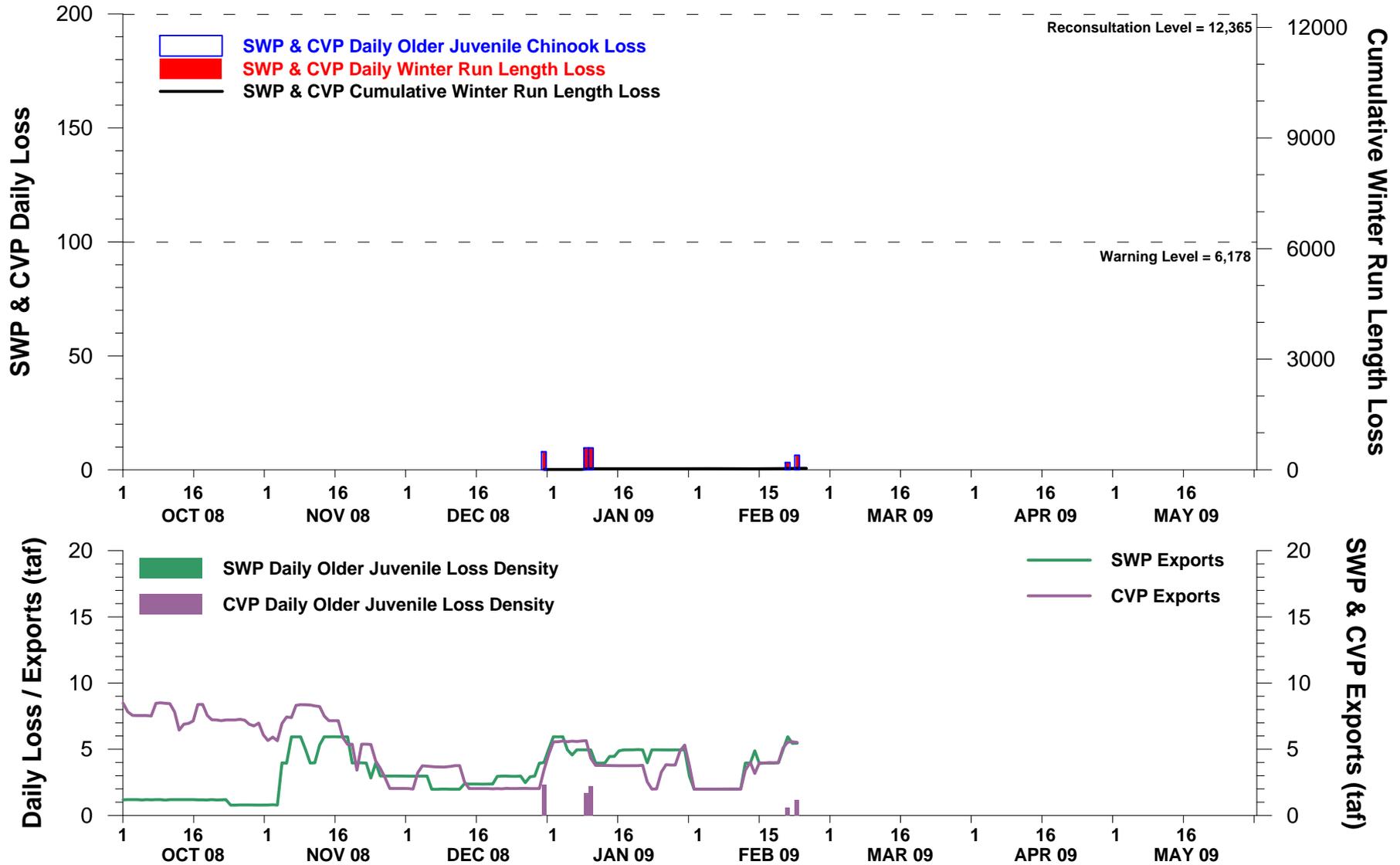
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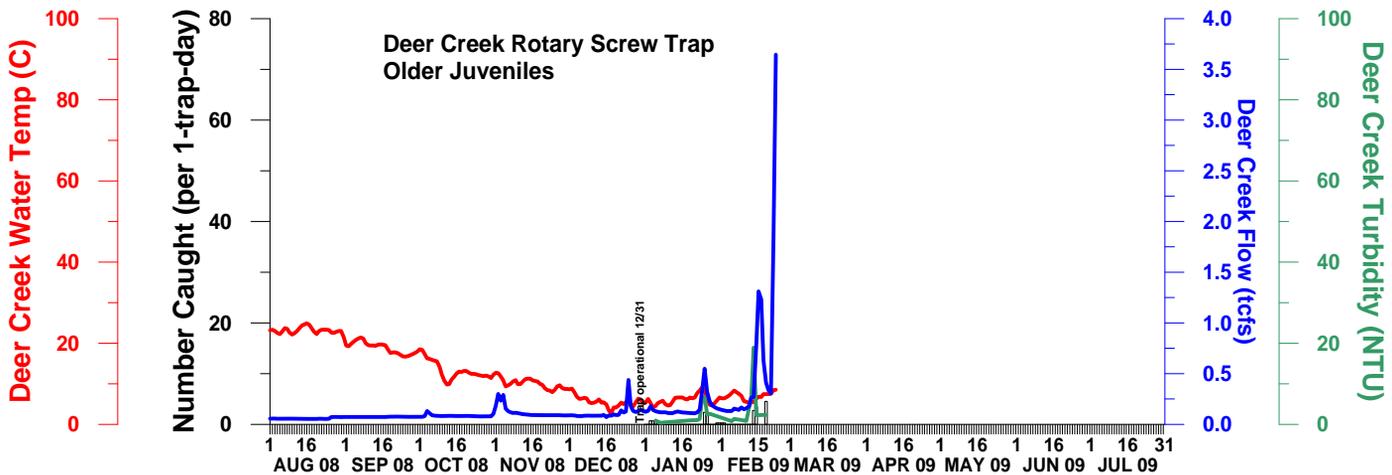
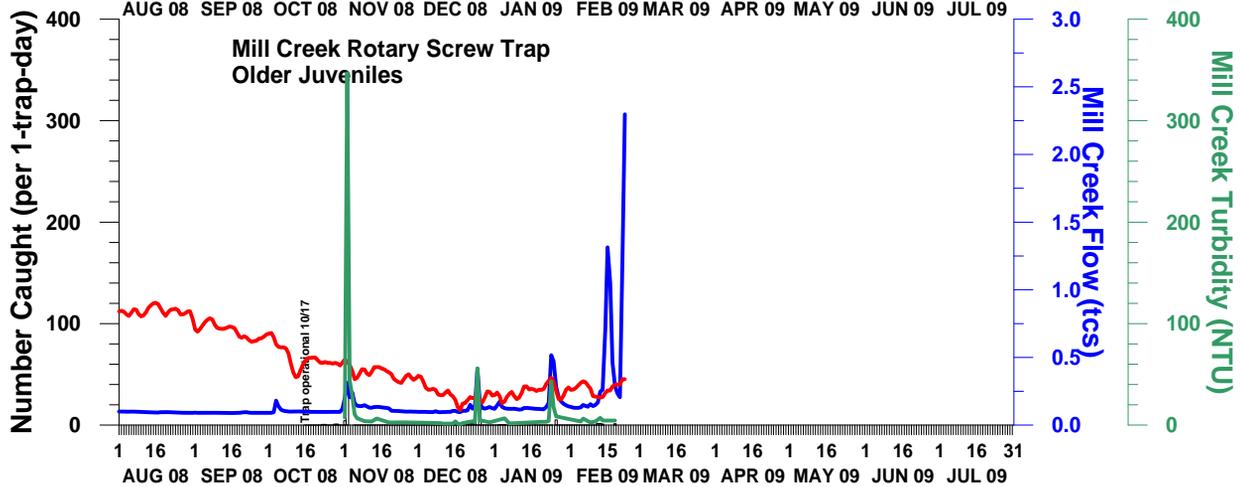
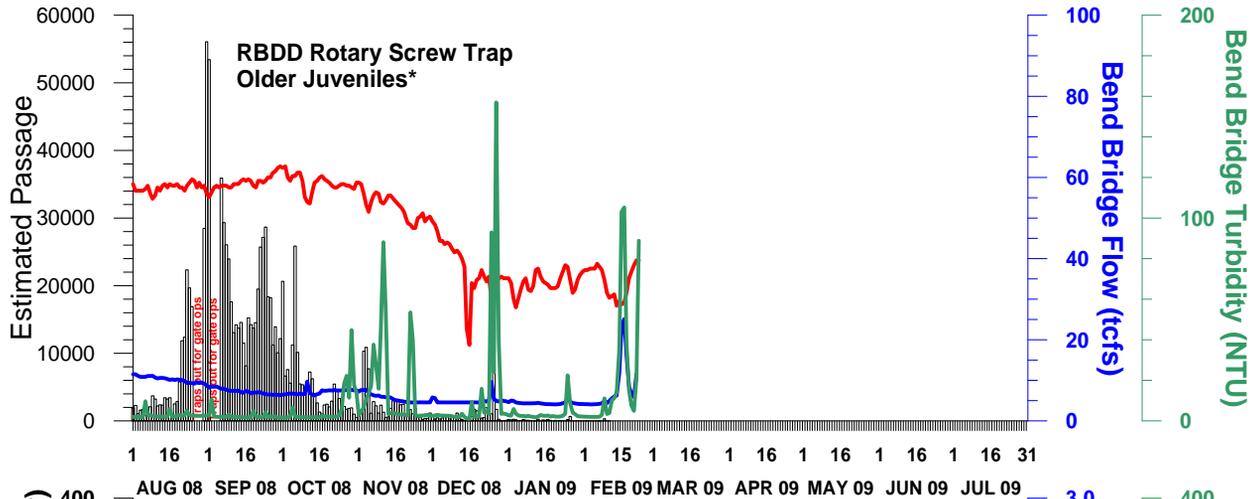
OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/2008 THROUGH 2/9/2009



WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2008 THROUGH 23 FEB 2009



NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

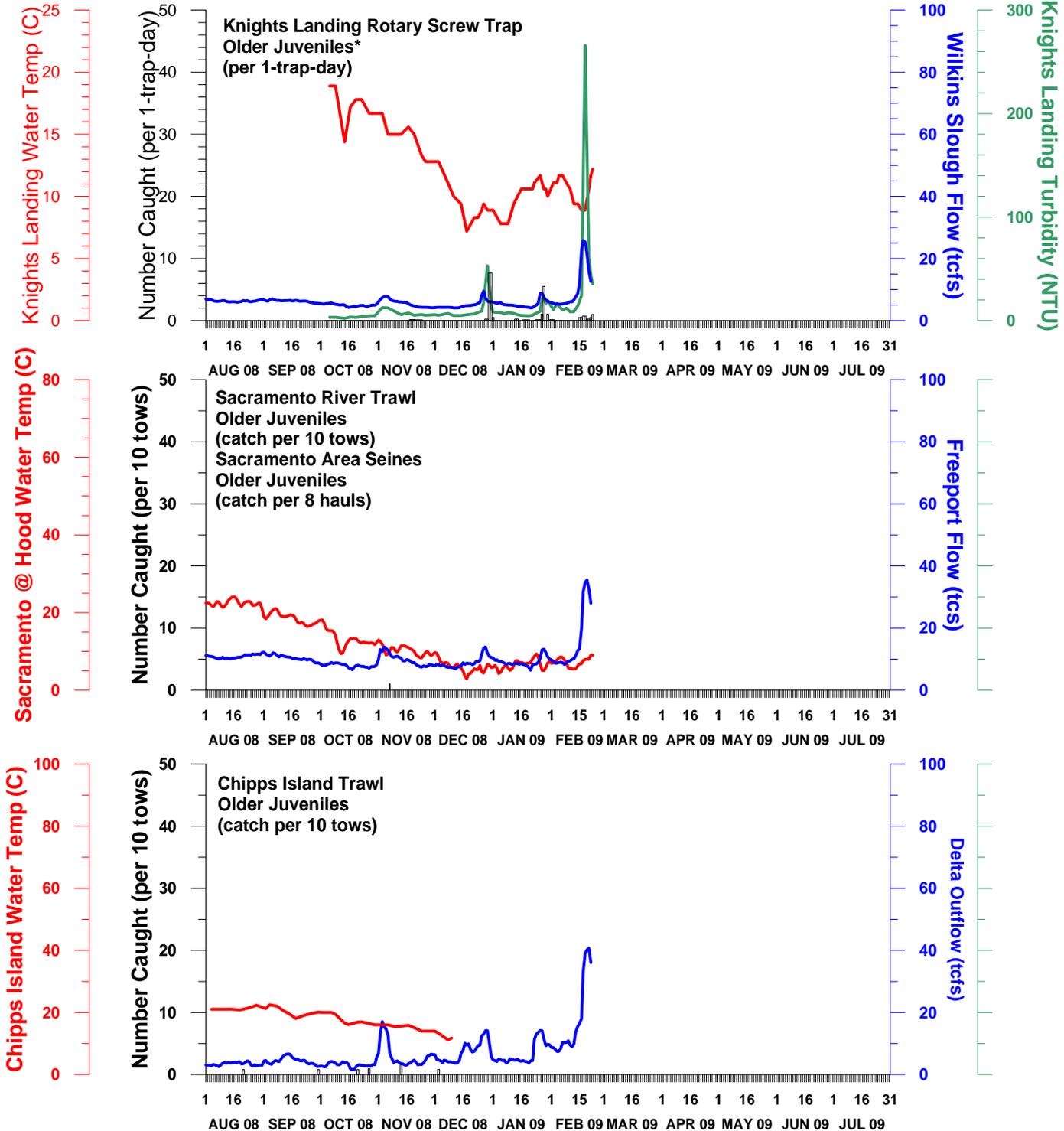


DWR-DES 24 Feb 2009

Preliminary, subject to revision

*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

NUMBER OF JUVENILE CHINOOK MEASUREED IN THE LOWER SACRAMENTO RIVER & TRIBUTARIES

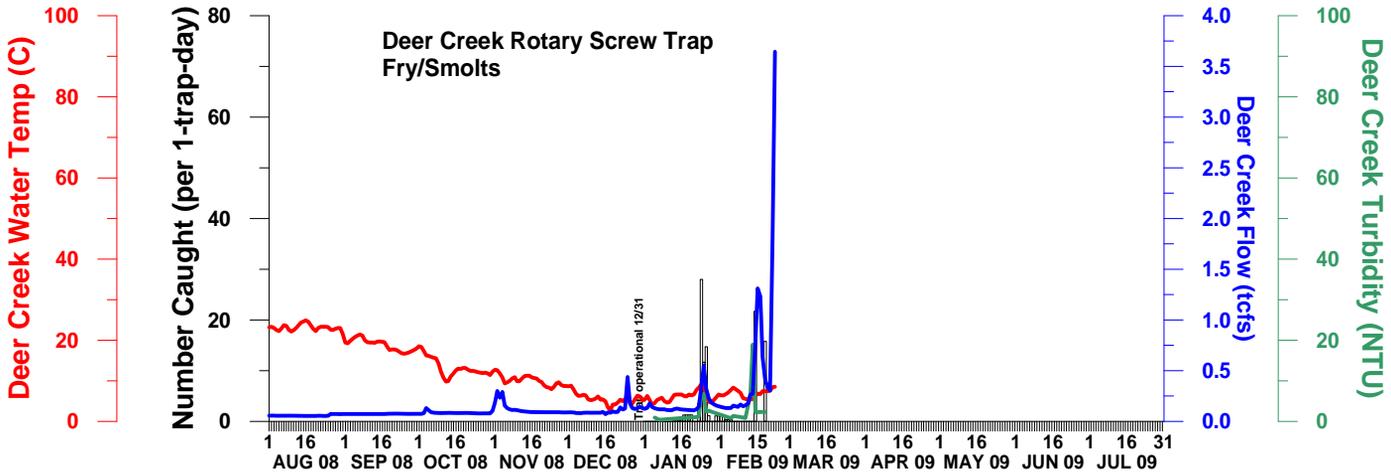
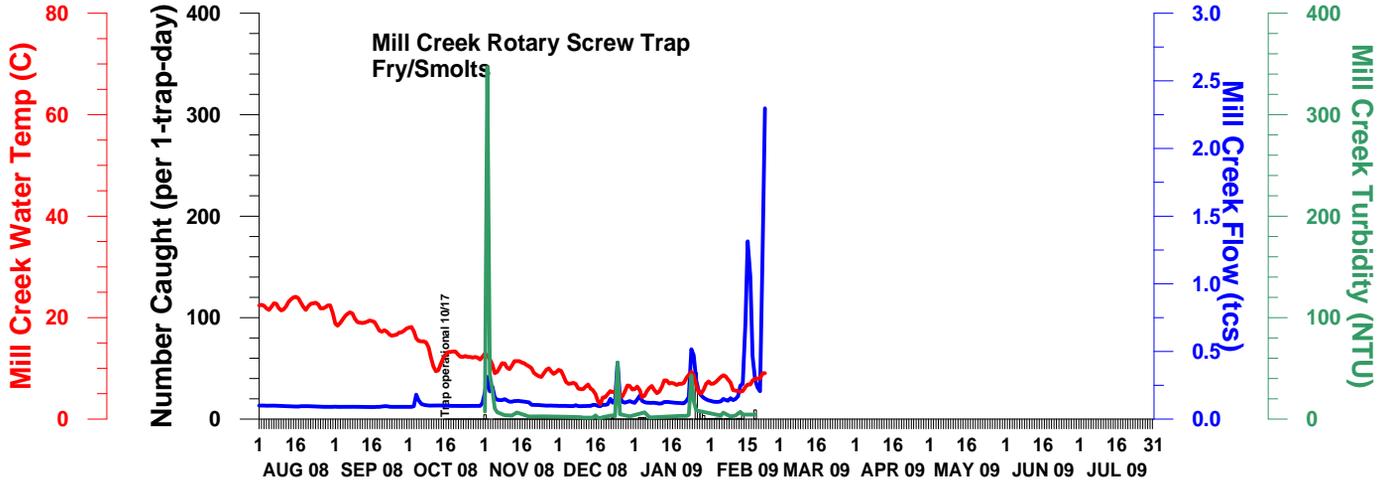
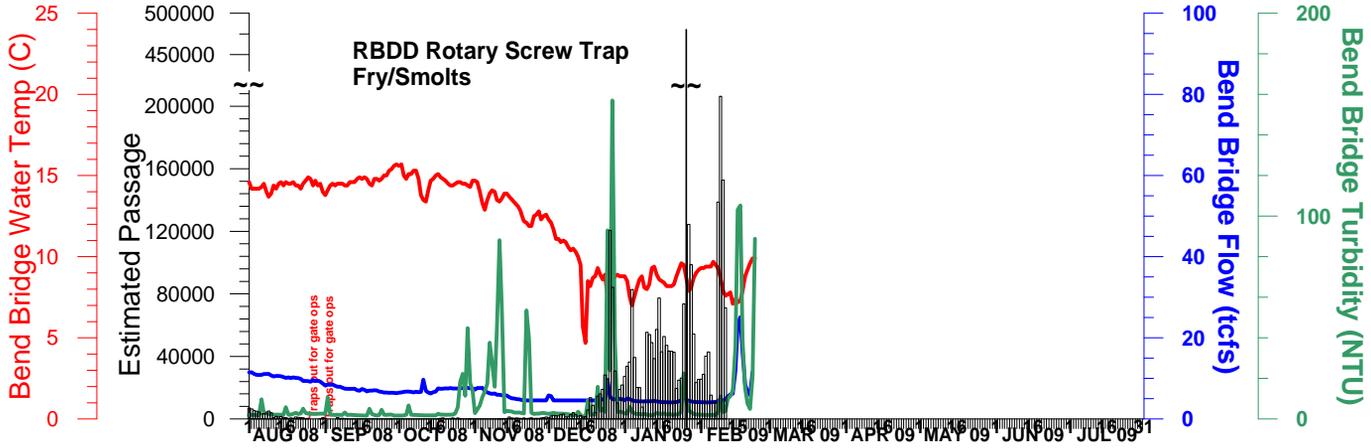


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NUMBER OF FRY/SMOLT CHINOOK MEASUREED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

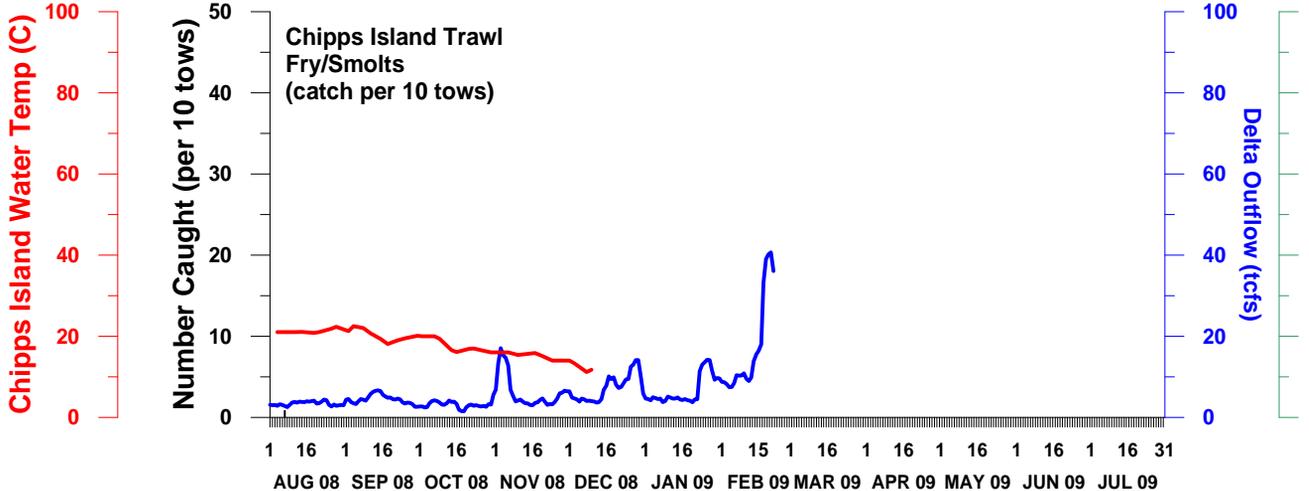
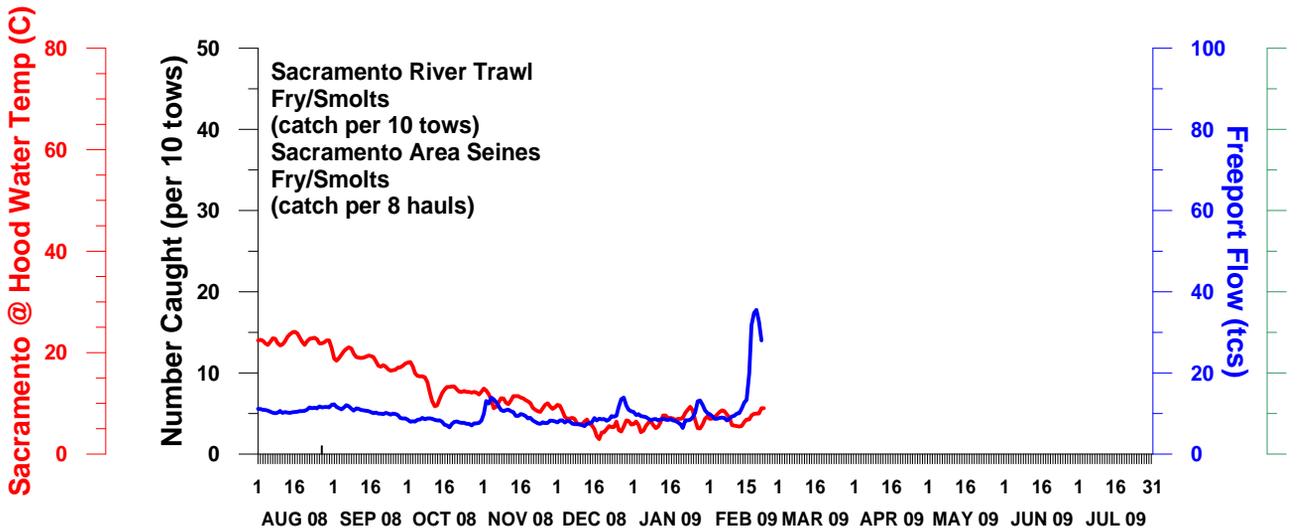
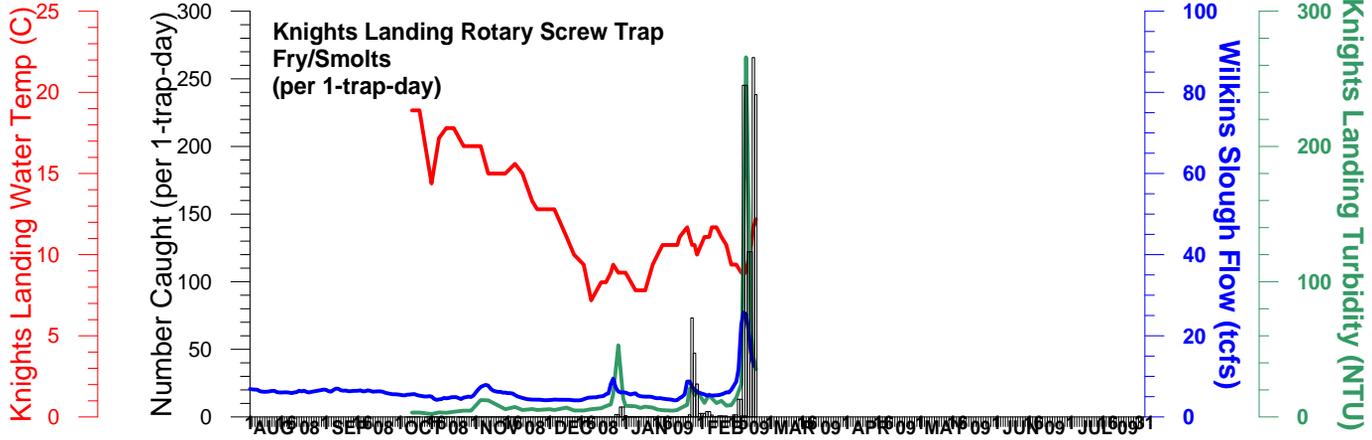


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NUMBER OF JUVENILE CHINOOK MEASUREED IN THE LOWER SACRAMENTO RIVER & TRIBUTARIES



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Preliminary, subject to revision

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**Coleman Hatchery Late-Fall and Livingston Stone Winter Chinook Loss at the Delta Fish Facilities,
2008/2009**

Release Date	Cwtrace	Release Site	Loss	Release Number	% Loss	Yellow Light	Red Light	Date of First Loss	Date of Last Loss
12/16/08	LF	Battle Creek	22.21	156,153	0.014	0.5%	1.0%	1/12/09	1/24/09
12/29/08	LF	Battle Creek	42.21	415,500	0.010	n/a	n/a	1/20/09	2/11/09
1/6/09	LF	Battle Creek	21.35	463,800	0.005	n/a	n/a	2/4/09	2/9/09
1/23/09	LF	Battle Creek	0.00	75,932	0.000	0.5%	1.0%	*	*
1/29/08	W	Caldwell Park*	0.00	145,700	0.000	0.5%	1.0%	*	*
		Lost tag/No tag	0.00						
		Unknown	26.74						

For Chinook lost 10/1/2007 through 2/23/2009
 SWP Tags read 10/1/2007 through 2/11/2009
 CVP Tags read 10/1/2007 through 2/11/2009
 *Livingston Stone winter-run Chinook release

Revised 2/24/2009