

Sacramento River Temperature Task Group (SRTTG) Call
Thursday, October 22, 2015 | 1:00 p.m. – 1:15 p.m.

MEETING SUMMARY

Participants:

- Craig Anderson, FWS
- Matt Brown, FWS
- Eric Danner, NMFS
- Ken Emanuel, SWRCB
- Les Grober, SWRCB
- Bob Hughes, CDFW
- Duane Linander, CDFW
- Joe Pisciotto, CDFW
- John Rueth, FWS
- Rich Satkowski, SWRCB
- Jim Smith, FWS
- Brycen Swart, NMFS
- Doug Killam, CDFW
- Thuy Washburn, USBR (Facilitator)

Note-taking:

- Gia Brazil, Kearns & West

Fisheries Update

There are 410,000 juvenile winter-run in the tanks outside in the Livingston Stone National Fish Hatchery.

In the last biweekly juvenile passage monitoring at Red Bluff, the numbers of juvenile winter-run are still significantly low in comparison to last year, but it looks like we are catching up and there is still a lot of potential outmigration. The estimated passage at Red Bluff so far in 2015 is 217,000. Last year at this time it was 280,000 (~20% lower this year during the same dates).

Fall run monitoring is underway. Clear Creek and Battle Creek fish counts are low; field staff are seeing a lot of carcasses. Temperatures are high, so there are few fish. Winter run should emerge by October 23.

Spring run adults in Clear Creek are finishing spawning. Numbers are good for the amount of adults in the river. Temperatures are high (~58 °F) for the majority of redds, so there is an estimated 15-25% mortality rate. The fall run has started in Clear Creek, but numbers are very low and temperatures for fall are not looking good; they are warmer than spring run temperatures.

Operations Update

Reclamation is ramping down Keswick to 5,000 cfs by October 26. Reclamation reduced Trinity by 50 cfs to 300 cfs on October 22. The salinity in the Delta is high, but Reclamation is doing what it can to manage it.

Snapshot of 2015 vs. 2014 and Temperature Summary (see handouts)

This snapshot is based off a profile from ~October 19-20. This year there is still cold water available to go through the side gates.

The TCD weighted average is 55°F, KWK is 55.5°F, CCR is below 56°F, and SAC is 55-55.5°F. The North Fork of the Trinity was 55.8°F on October 20, but on October 21 had dropped to 55.1°F – a positive change.

At Red Bluff, the mean daily air temperature has been cooling off during the week of October 19. The night temperatures have been cooler too, which has been helpful at SAC. Please note: there are some data missing from Keswick due to a bad cable that has now been repaired.

Reclamation has no immediate plans to reduce releases from Whiskytown at this time.

Next Meeting

The next meeting of the SRTTG is scheduled for October 29 at 1:00 p.m.

Sacramento River Temperature Task Group Meeting

October 22, 2015

1:00 pm

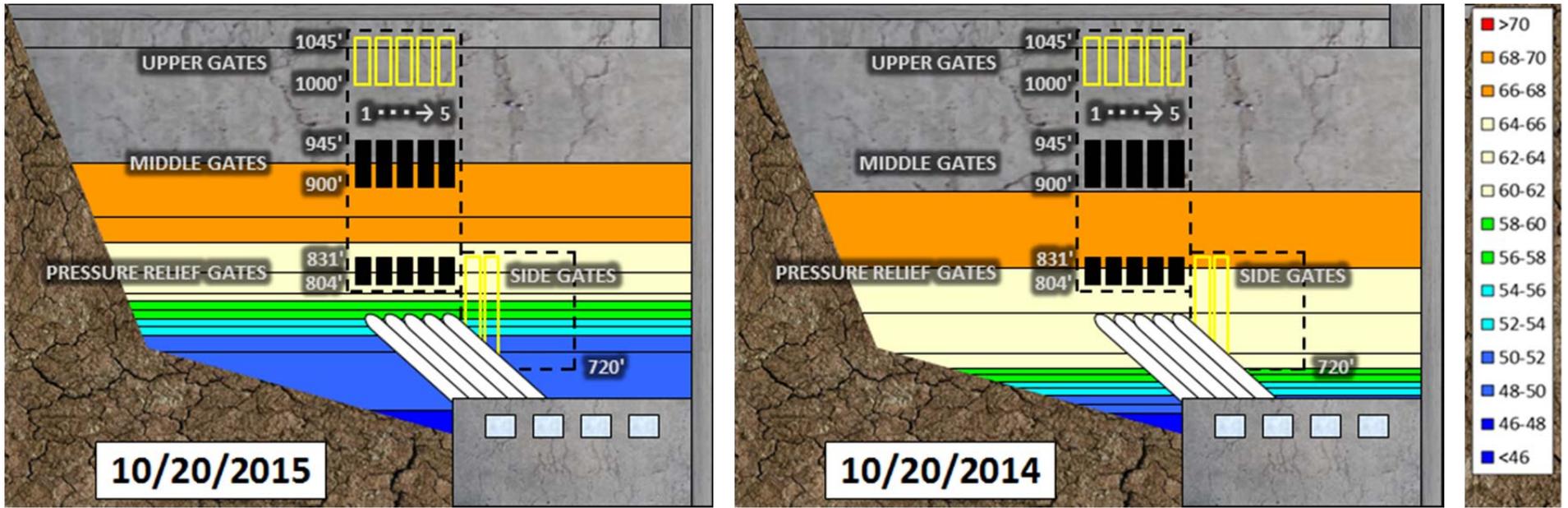
Conference Line: 877-718-6527

Pass code: 1954134

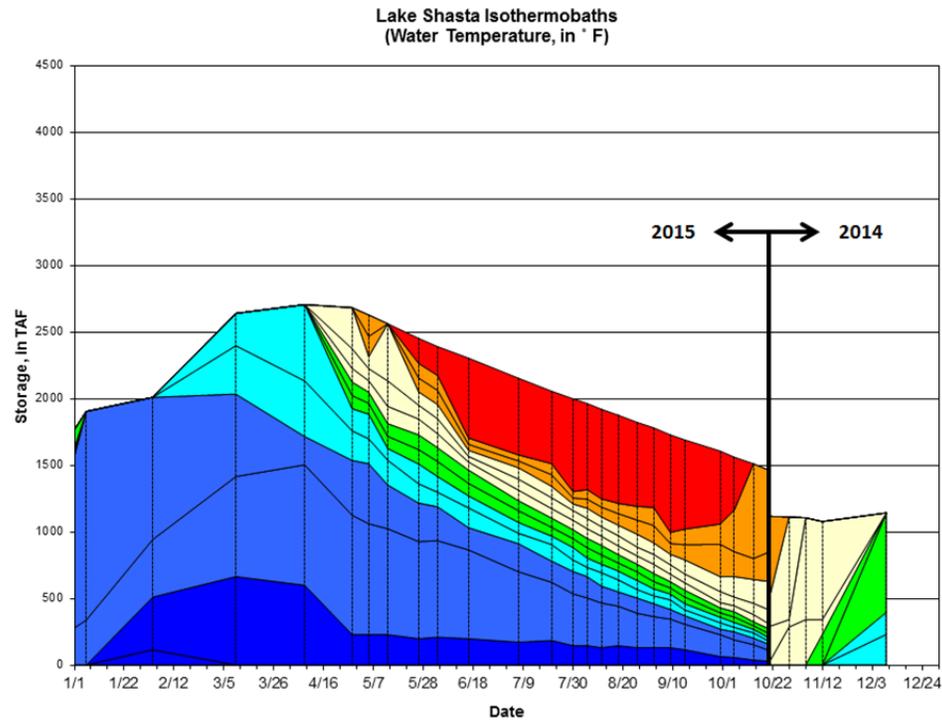
Agenda

1. Introductions
2. Fishery update
3. Operation update
 - a. 2015 vs. 2014 Snap shot ***
 - b. Temperature Summary ***
4. Next meeting

***handout



*NOTE: Yellow outline indicates open position, Solid Black indicates closed position.



Temperature and Release Summary for Shasta and Trinity - October 2015

(Updated twice a week November through April)

Day	Sacramento River Water Temperatures in Degrees F Collected from CDEC (California Data Exchange Center) except for TCD, SPP and Control Point														Mean Daily Release in CFS			Mean Daily Air Temp Degrees F				
	TCD Wt. Avg.	SHD minus TCD (Diff)	Shd	SPP Wt. Avg	Kwk	Bsf	Jlf	Bnd	Rdb	Lws	Control Point 4/1	Ccr	Igo	Sac	Nfh	Shasta Generation El 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS
Sep	54.6		53.7	58.5	55.4	57.8	58.8	59.4	60.4	53.2	56.7	58.7	56.2	55.3	5,418	1,110	6,767	75.7	69.6	71.7	63.6	
Oct																						
1	55.7	(0.4)	55.3	58.0	55.6	57.3	57.8	58.0	58.4	51.9	56.5	58.0	56.1	56.3	5,701	756	6,542	67.5	63.0	64.3	56.9	
2	56.0	(0.4)	55.6	58.0	55.9	57.5	58.3	58.7	59.4	51.4	57.1	58.4	56.6	57.2	5,680	669	6,544	73.5	68.5	70.8	60.4	
3	56.3	(0.3)	56.0	58.1	56.1	57.9	58.5	58.9	59.8	50.8	57.2	58.1	56.7	56.7	5,648	670	6,545	74.5	68.1	70.5	56.9	
4	55.9	0.0	55.9	58.1	56.2	57.9	58.7	59.0	59.8	51.4	57.5	58.5	56.9	56.2	5,222	593	6,543	81.0	75.9	77.1	62.2	
5	55.6	(0.3)	55.3	58.0	56.5	58.1	59.0	59.4	60.3	51.3	57.7	58.2	57.1	56.7	5,649	667	6,545	70.5	66.5	68.0	61.8	
6	55.9	(0.4)	55.5	57.9	56.0	58.5	59.0	59.4	60.5	51.4	57.3	58.4	56.6	57.2	5,732	589	6,544	70.5	65.7	68.0	63.2	
7	56.2	(0.6)	55.6	58.0	56.1	57.7	58.4	58.9	60.0	51.3	56.9	58.1	56.5	56.8	6,419	458	6,544	71.0	65.5	68.8	61.5	
8	56.3	(0.2)	56.1	57.9	56.2	57.8	58.5	58.8	59.7	51.4	57.2	58.4	56.7	57.0	6,374	375	6,536	74.0	68.6	70.8	64.9	
9	55.5	0.3	55.8	58.0	56.5	57.8	58.6	59.0	60.0	51.2	57.4	58.1	57.0	57.2	5,750	807	6,505	73.5	67.2	71.1	62.9	
10	55.5	0.0	55.5	58.0	56.5	58.1	58.9	59.4	60.3	51.3	57.7	58.0	57.1	56.9	5,635	788	6,534	71.5	67.1	69.8	63.2	
11	55.6	0.1	55.7	58.6	56.2	58.1	58.9	59.5	60.5	51.2	57.4	58.3	56.8	57.2	5,559	14	6,510	74.5	67.0	70.9	62.0	
12	55.6	0.0	55.6	58.0	55.8	57.7	58.3	58.8	60.0	51.2	56.9	57.9	56.4	56.7	6,084	511	6,511	75.5	66.4	69.8	61.1	
13	55.8	0.4	56.2	57.9	55.9	57.5	58.1	58.4	59.5		56.9	57.9	56.4	56.2	5,843	535	6,509	76.0	66.8	70.9	nr	
14	55.8	0.3	56.1	57.9	56.0	57.5	58.1	58.5	59.4	51.4	57.0	57.9	56.5	56.2	5,691	571	6,506	75.5	67.4	71.3	63.6	
15	54.4	1.0	55.4	57.9	56.1	57.8	58.4	58.8	59.7	51.5	57.1	58.1	56.6	57.0	4,995	677	6,510	73.5	67.1	70.7	64.5	
16	54.2	0.3	54.5	58.0	!	57.7	58.4	58.8	59.9	51.6	57.0	58.1	56.5	57.3	5,560	811	6,509	72.5	66.5	70.1	63.4	
17	54.7	0.3	55.0	58.0	nd	57.5	57.9	58.5	59.7	51.6	56.1	58.2	55.5	56.9	5,747	270	6,506	69.5	64.1	65.4	58.9	
18	54.8	0.4	55.2	58.0	nd	56.8	57.1	57.6	58.8	51.4	55.6	58.0	55.1	56.2	5,165	597	6,498	65.5	61.5	63.3	54.9	
19	54.9	0.0	54.9	58.0	nd	56.2	56.4	56.7	57.8	51.3	55.3	57.3	55.0	55.4	5,503	654	6,652	61.0	57.6	61.0	52.2	
20	54.8	0.4	55.2	58.1	!	56.2	56.6	56.8	57.4	51.8	55.8	57.7	55.3	55.8	6,131	664	6,188	72.0	65.2	66.2	57.4	
21	55.3	0.3	55.6	58.1		55.4	56.5	56.9	57.9	51.3	56.1	57.6	55.6	55.1	4,776	409	5,913	73.0	61.7	65.9	53.3	
22		0.0																				
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30		0.0																				
31		0.0																				
Avg	55.5		55.5	58.0	56.1	57.5	58.1	58.6	59.4	51.4	56.8	58.1	56.3	56.6	5,660	575	6,485	72.2	66.1	68.8	60.3	
Tot cfs															118,864	12,085	136,194					
Tot af															235,767	23,971	270,141					

? = Average includes 1-9 estimated hourly readings

! = No Average (10-17 hours missing)

& = No Average (18 to 23 hours missing)

= Station out of service

ND = No hourly readings or incorrect

% = Data will be down loaded from site at later date by NCAO staff.

When available:

^ = Redding Air Temp Record High

* = Redding Air Temp Record Low

Control Point: Clear Creek 4/1/2015 to 4/17/2015 at 56.0 degrees; 4/18/2015 to 5/14/2015 at 58.0 degrees; 5/15/2015 to 6/4/2015 56.0; 6/5/2015 to present 58.0 degrees.

PRELIMINARY