

**Sacramento River Temperature Task Group (SRTTG) Call**  
**Thursday, November 12, 2015 | 1:00 p.m. – 1:15 p.m.**

**MEETING SUMMARY**

**Participants:**

- Charlie Chamberlain, USBR
- Ken Emanuel, SWRCB
- Tom Kisanuki, USBR
- Dan Kratville, CDFW
- Ken Kundargi, CDFW
- Duane Linander, CDFW
- Diane Riddle, SWRCB
- John Rueth, FWS
- Rich Satkowski, SWRCB
- Garwin Yip, NMFS
- Thuy Washburn, USBR (Facilitator)

**Note-taking:**

- Gia Brazil, Kearns & West

**Action Items:**

- The SRTTG will start meeting as needed rather than weekly. Reclamation (Thuy Washburn) will either confirm or cancel the meetings each week moving forward.

**Key Discussion Topics with Summary of Outcomes and Agreements**

***Fisheries Update***

Fish and Wildlife Service (FWS) shared that the juvenile passage estimate at Red Bluff through November 4 is 236,000 fish. In 2014 the estimate at the same time was 322,600 fish. This is ~27% decrease from last year. FWS still catching fish (between 1000-2000 per day). November 18 or 19 is the next estimated biweekly update of fish passage past Red Bluff Diversion Dam. FWS shared that they will continue to fish until around March, so estimates will increase, but overall the current numbers are still fairly low.

Livingston Stone National Fish Hatchery has 425,000 winter run fish that are ranging between 500-150 to the pound. Code wire tagging will start soon. Fish will be released at the end of January or early February. The water temperature is holding at ~58-60 °F, which is good.

***Operations Update***

Reclamation cut 200 cfs at KWK on November 12 and will cut another 200 cfs on November 13. By November 16, flows will be at 4,250 cfs. Reclamation will then immediately start working on ramping down to 3,250 cfs as soon as possible, as storage at Shasta is very low.

**Temperature Summary (see handout)**

The TCD weighted average is 57 °F. By the time the water reaches KWK it is 56 °F. CCR is below 56 °F and Balls Ferry is 55.5 °F. Reclamation is pulling the coolest water out of the TCD. At beginning of November the coolest water was 50-51.5 °F, it is now 53.5 °F. Because Reclamation is cutting back at Shasta, they are running into the issue of very little cool water from which to pull. However, as long as KWK stays 56-57 °F it will be within the target temperature. This is still fairly

warm, but okay based on the high temperatures and drought conditions this year.

***Other Items***

The group discussed reducing the meetings to less frequently than once a week. Meetings will be kept on the calendar and cancelled if there is nothing to report.

***Next Meeting***

The next meeting of the SRTTG is tentatively scheduled for November 19 at 1:00 p.m. Reclamation (Thuy Washburn) will send around an email to confirm or cancel it next week.

Temperature and Release Summary for Shasta and Trinity - November 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
Oct	55.6		55.8	58.1	56.1	57.3	57.8	58.2	59.0	51.4	56.8	57.9	56.3	55.9	5,255	577	6,083	70.0	63.9	66.8	57.9
Nov																					
1	56.3	0.7	57.0	58.4	56.0	56.8	57.1	57.4	58.1	51.6	56.3	57.5	56.0	55.4	4,248	344	5,068	59.5	59.7	61.0	57.5
2	56.2	0.7	56.9	58.4	56.2	57.0	57.2	57.4	57.8	50.7	56.5	57.5	56.1	54.6	4,487	353	4,685	57.5	55.9	57.7	48.5
3	56.8	0.2	57.0	59.0	56.1	56.0	55.9	55.9	56.6	50.1	56.0	56.7	55.8	51.8	5,011	14	4,689	55.0	51.0	55.2	41.8
4	57.4	0.7	58.1	58.7	56.0	55.5	55.2	55.1	55.4	49.8	55.7	56.1	55.6	49.6	4,048	14	4,702	53.0	48.0	50.8	39.5
5	57.0	0.3	57.3	58.7	56.1	55.4	54.8	54.5	54.6	49.9	55.6	56.1	55.6	48.8	4,740	22	4,704	50.5	44.8	46.2	42.1
6	57.4	0.1	57.5	58.7	56.3	55.3	55.0	54.7	54.5	49.6	56.0	56.3	55.9	48.8	4,341	30	4,704	54.5	48.8	51.9	41.5
7	57.3	0.1	57.4	58.8	56.3	55.8	55.6	55.3	55.0	49.4	56.2	56.3	56.0	48.5	4,456	42	4,701	53.5	48.5	51.2	44.4
8	57.2	0.1	57.3	58.7	56.6	56.0	55.6	55.4	55.1	49.6	56.1	56.6	56.1	49.9	4,480	33	4,704	51.0	49.0	49.4	45.4
9	57.3	(0.1)	57.2	58.6	56.5	55.9	55.5	55.2	54.9	48.8	55.9	55.6	55.9	49.5	4,508	16	4,702	44.5	46.0	47.7	39.5
10	57.4	(0.1)	57.3	58.5	56.4	55.4	55.0	54.7	54.6	48.7	56.0	55.2	56.0	49.2	4,975	34	4,701	49.5	45.0	47.0	41.9
11	57.7	0.2	57.9	58.7	56.3	55.4	54.8	54.5	54.3	48.5	55.9	55.0	55.8	48.5	4,165	86	4,697	47.5	42.3	46.1	39.1
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Avg	57.1		57.4	58.7	56.3	55.9	55.6	55.5	55.5	49.7	56.0	56.3	55.9	50.4	4,496	90	4,732	52.4	49.0	51.3	43.7
Tot cfs															49,459	988	52,057				
Tot af															98,102	1,960	103,255				

? = 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