

10/17/2011

Temperature and Release Summary for Shasta and Trinity - September 2011

(Updated twice a week November through April)

Day	Sacramento River Water Temperatures in Degrees F Collected from CDEC (California Data Exchange Center)														Mean Daily Release in CFS			Mean Daily Air Temp Degrees F			
	TCD Wt. Avg.	SHD minus TCD (Diff)	Shd	Spp	Kwk	Bsf	Control Point 6/1 to 9/30 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Dgc	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Aug	50.8		49.9	57.7	51.2	54.3	55.4	56.2	57.7	51.4	52.7	57.5		10,060	1,213	11,433	80.1	75.6	75.8	ND	
Sep																					
1	51.1	(0.9)	? 50.2	56.9	52.0	54.6	55.7	56.3	58.3	49.4	53.5	57.1	52.6	9,259	1,236	10,666	83.5	75.2	78.8	ND	
2	51.0	(1.2)	? 49.8	56.9	51.7	54.6	55.7	56.3	58.2	49.8	53.4	57.0	53.8	9,222	1,164	10,740	85.0	77.2	81.8	ND	
3	51.2	(1.2)	? 50.0	56.9	51.5	54.2	55.3	56.0	57.8	50.1	53.0	57.2	55.1	8,164	1,252	10,676	80.0	75.2	75.0	ND	
4	51.3	(1.2)	? 50.1	56.8	51.6	54.2	55.3	56.0	57.6	50.1	53.0	57.1	55.5	9,439	1,237	10,755	80.5	75.1	76.6	ND	
5	51.2	(1.2)	? 50.0	56.8	51.7	54.2	55.2	55.9	57.5	50.3	53.0	57.2	55.4	9,435	1,239	10,758	78.0	72.9	73.8	ND	
6	51.3	(1.3)	? 50.0	56.7	51.7	54.3	55.3	55.9	57.3	50.2	53.1	57.1	55.4	9,338	1,233	10,426	78.5	72.9	76.1	ND	
7	51.3	(1.3)	? 50.0	56.7	51.6	54.2	55.2	55.8	57.3	50.2	53.0	57.0	55.1	9,709	1,140	10,737	79.5	73.8	76.6	ND	
8	51.5	(0.9)	? 50.6	56.7	51.8	54.2	55.2	55.9	57.3	50.3	53.1	57.4	55.2	9,603	1,159	10,469	82.0	76.4	79.6	ND	
9	51.4	(1.2)	? 50.2	56.7	52.0	54.7	55.7	56.3	57.6	50.3	53.5	58.0	55.4	9,052	1,344	10,529	88.0	80.5	83.1	ND	
10	51.4	(1.2)	? 50.2	56.7	52.0	54.9	56.0	56.7	58.2	50.0	53.6	57.8	54.9	8,972	1,274	10,256	90.0	79.5	83.0	ND	
11	51.0	(1.0)	? 50.0	56.6	52.0	54.7	55.9	56.6	58.2	49.8	53.4	57.2	54.4	8,645	1,458	10,004	77.0	73.8	73.1	ND	
12	50.6	(1.1)	? 49.5	56.5	51.8	54.8	55.9	56.6	58.2	50.0	53.4	57.9	54.9	8,473	1,470	10,010	78.0	74.8	75.4	ND	
13	50.7	(1.3)	? 49.4	56.5	51.9	54.5	55.8	56.3	58.0	50.0	53.2	58.2	55.5	8,256	1,905	10,010	80.5	75.8	76.5	ND	
14	50.6	(1.4)	? 49.2	56.7	52.0	54.6	56.0	56.3	58.0	50.1	53.4	58.0	55.2	7,195	2,003	9,808	79.5	76.1	77.2	ND	
15	50.6	(1.0)	? 49.6	56.8	52.0	54.5	56.0	56.3	58.1	49.7	53.1	57.2	54.4	7,150	1,909	9,607	75.5	70.9	72.0	ND	
16	50.6	(1.2)	? 49.4	56.9	51.9	54.1	55.3	55.5	57.2	49.5	53.0	57.4	53.3	7,724	1,987	9,399	69.5	67.0	67.2	ND	
17	49.7	(0.9)	? 48.8	56.9	52.0	54.2	55.4	55.5	57.0	49.3	53.1	56.2	53.0	7,351	2,005	9,403	72.5	68.4	69.5	ND	
18	49.5	(1.0)	? 48.5	56.7	51.5	54.4	55.5	55.7	57.1	49.3	53.2	56.4	53.2	6,941	1,591	9,405	76.5	70.5	72.1	ND	
19	49.4	(0.9)	? 48.5	56.7	50.9	53.5	54.9	55.2	57.2	49.2	52.2	56.5	53.4	7,593	1,844	9,419	77.0	71.8	73.7	ND	
20	49.5	(1.0)	? 48.5	56.6	50.9	53.4	54.7	54.9	56.5	49.2	52.3	56.7	53.4	7,520	1,604	9,262	79.5	72.2	75.7	ND	
21	49.4	(0.9)	? 48.5	56.6	51.0	53.5	54.7	55.0	56.6	49.2	52.3	56.8	53.0	7,011	1,960	9,402	80.5	73.5	77.3	ND	
22	49.4	(0.9)	? 48.5	56.5	51.0	53.6	54.8	55.1	56.7	49.1	52.4	56.9	53.2	7,370	1,953	9,398	81.5	73.6	76.5	ND	
23	49.7	(0.9)	? 48.8	56.5	51.1	53.6	54.8	55.0	56.6	49.1	52.5	56.9	53.1	6,827	1,874	9,206	80.5	71.8	75.3	ND	
24	49.8	(1.2)	? 48.6	56.4	50.6	53.7	55.0	55.3	56.9	49.0	52.3	57.0	53.0	7,200	1,179	9,015	77.0	72.3	75.2	ND	
25	49.8	(1.3)	? 48.5	56.4	50.9	52.8	54.0	54.4	56.1	48.9	51.8	56.7	52.9	6,603	1,793	8,813	64.0	63.2	62.9	ND	
26	49.9	(1.4)	? 48.5	56.3	50.8	53.1	54.1	54.2	55.2	49.1	52.0	56.9	52.4	6,632	1,840	8,826	69.0	65.0	66.5	ND	
27	49.8	(1.2)	? 48.6	56.4	50.6	53.2	54.3	54.5	55.9	48.8	52.0	57.0	52.7	7,436	1,013	8,807	73.0	67.2	70.1	ND	
28	50.2	(1.1)	? 49.1	56.3	50.6	53.0	54.2	54.5	56.0	48.8	51.8	57.4	52.6	6,881	1,274	8,802	76.0	69.8	72.5	ND	
29	50.4	(1.4)	? 49.0	56.3	50.9	53.4	54.6	54.8	56.2	49.0	52.1	57.3	52.7	7,469	1,462	8,801	78.5	71.0	74.7	ND	
30	50.4	(1.2)	? 49.2	56.2	51.0	53.6	54.8	55.0	56.5	49.1	52.1	57.2	53.0	6,963	1,470	8,806	74.0	70.5	71.7	ND	
		0.0																			
Avg	50.5		49.3	56.6	51.4	54.0	55.2	55.6	57.2	49.6	52.8	57.2		7,981	1,529	9,741	78.2	72.6	74.7	#DIV/0!	
Tot cfs														239,433	45,872	292,215					
Tot af														474,915	90,987	579,608					

= Station out of service ^ - estimated (7 hours or less available) ? = Avg. includes estimated data
 ! = 17 hours or less of readings & = 18 to 23 hours of reading ND = No hourly readings or incorrect

Control Point: Balls Ferry 3/1/2011 to 5/31/2011; Jelly's Ferry 6/1/2011 to 9/30/2011.

10/17/2011-Updated Shasta Generation for 9/23/2011.
 10/17/2011-Updated Keswick Total Release for 9/21/2011.
 10/17/2011-Updated Spring Creek Powerplant Release for 9/22/2011.

NOTE: On 7/19/2011 the probe for SHD was extended farther out into the river so at low flows it should no longer be exposed to the air. 8/2/2011 the extended pipe floated away. Some hourly readings for SHD are questionable again and are being estimated.