

11/4/2011

Temperature and Release Summary for Shasta and Trinity - October 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 10/31 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Nfh	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Sep	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	ND	
Oct																					
1	50.3	(1.4)	? 48.9	56.2	51.0	53.0	54.1	54.4	55.8	48.8	51.8	56.3	55.3	6,833	1,434	8,764	64.0	63.2	63.3	ND	
2	50.3	(1.3)	? 49.0	56.2	50.7	52.8	53.5	53.6	54.7	48.7	51.6	56.4	53.3	6,508	1,470	8,598	63.5	60.4	61.5	ND	
3	50.4	(1.2)	? 49.2	56.3	50.8	52.3	53.0	53.1	54.0	47.8	51.3	55.9	ND 51.8	6,456	1,510	8,223	58.5	54.7	57.7	ND	
4	50.1	(1.0)	? 49.1	56.2	50.6	52.0	52.6	52.6	53.3	47.8	51.1	55.9	! 51.8	6,619	1,399	8,213	55.5	55.1	56.2	ND	
5	50.5	(1.2)	? 49.3	56.2	50.5	52.0	52.3	52.3	52.8	47.3	51.1	55.3	50.7	6,354	1,463	8,201	51.5	51.5	53.2	ND	
6	50.3	(1.1)	? 49.2	56.0	50.8	52.4	52.7	52.6	53.1	47.7	51.4	55.5	50.9	6,070	1,788	8,078	56.5	52.3	53.6	ND	
7	50.1	(1.0)	? 49.1	55.9	51.2	52.9	53.4	53.4	54.1	47.8	51.9	55.3	52.1	6,284	1,814	8,115	61.5	56.0	58.5	ND	
8	50.6	(1.1)	? 49.5	55.7	51.0	53.1	53.8	53.9	54.8	48.2	52.0	55.5	52.8	6,061	1,812	8,279	66.0	58.5	60.9	ND	
9	50.8	(1.3)	? 49.5	55.5	51.2	53.0	53.7	53.8	54.8	48.2	51.9	55.1	53.1	5,940	1,789	8,181	61.5	58.8	61.8	ND	
10	50.4	(0.9)	? 49.5	55.3	51.2	52.9	53.6	53.8	54.9	48.2	51.8	55.0	52.9	5,989	1,817	8,315	60.0	59.7	60.5	ND	
11	50.6	(0.8)	? 49.8	55.1	51.3	53.9	54.6	54.6	55.4	48.3	52.3	55.5	53.6	6,026	1,851	8,153	65.0	64.3	64.8	ND	
12	50.8	(1.1)	? 49.7	55.1	51.4	53.5	54.3	54.4	55.6	48.2	52.3	54.9	53.6	6,559	1,842	8,071	66.5	60.4	64.0	ND	
13	50.6	(1.2)	? 49.4	55.0	51.1	53.3	54.1	54.3	55.3	48.5	52.1	55.0	53.1	6,513	1,227	8,317	67.0	60.8	64.1	ND	
14	51.0	(1.3)	? 49.7	54.9	51.2	53.2	54.0	54.2	55.2	48.8	52.0	55.3	54.1	6,711	1,465	8,208	69.0	62.8	66.9	ND	
15	50.7	(1.0)	? 49.7	54.7	51.5	53.4	54.2	54.4	55.3	48.8	52.0	55.4	54.9	5,529	1,313	7,306	70.5	65.1	68.4	ND	
16	50.9	(1.2)	? 49.7	54.6	51.6	54.1	55.0	55.2	56.1	49.1	52.5	55.5	55.6	4,386	1,453	6,191	69.5	65.7	66.9	ND	
17	50.7	(1.2)	? 49.5	54.6	52.1	54.4	55.3	55.6	56.8	50.1	52.7	55.3	55.6	4,104	1,472	6,000	72.0	64.8	68.7	ND	
18	50.4	(0.7)	? 49.7	54.6	52.1	54.3	55.2	55.6	56.6	48.7	52.8	55.0	55.1	4,298	1,827	6,008	69.5	63.1	66.5	56.3	
19	51.1	(0.6)	? 50.5	54.5	52.0	54.3	55.2	55.6	56.4	48.9	52.7	55.0	54.9	3,869	1,821	6,005	66.0	61.6	61.8	57.0	
20	51.2	(1.1)	? 50.1	54.4	51.9	53.7	54.6	54.9	56.1	48.6	52.5	54.9	54.7	4,847	1,811	6,937	61.0	59.2	62.0	55.1	
21	50.9	(1.0)	? 49.9	54.5	51.9	53.6	54.3	54.5	55.3	48.3	52.5	54.7	54.2	5,365	1,941	7,006	65.5	60.1	63.9	52.5	
22	50.9	(0.8)	? 50.1	54.5	52.1	53.8	54.3	54.5	55.2	48.5	52.7	54.9	53.8	5,215	1,985	7,007	71.5	61.8	67.0	52.9	
23	50.8	(0.8)	? 50.0	54.5	51.9	53.5	54.2	54.5	55.2	48.7	52.5	54.8	53.6	4,786	1,954	7,002	65.0	58.8	61.8	53.5	
24	51.6	(1.2)	? 50.4	54.4	51.9	53.4	54.0	54.2	54.8	48.6	52.4	54.7	53.6	5,299	1,948	7,002	64.0	59.1	62.6	53.3	
25	51.3	(1.2)	? 50.1	54.3	51.9	52.9	53.4	53.7	54.2	47.9	52.1	53.9	52.9	5,024	1,989	7,007	65.5	63.0	65.2	48.0	
26	51.1	(1.3)	? 49.8	54.3	51.8	52.3	52.5	52.6	52.8	46.3	52.0	53.1	50.2	4,684	1,984	7,028	64.0	58.3	60.4	42.7	
27	50.9	(0.9)	? 50.0	54.2	51.5	52.2	52.4	52.5	52.5	46.2	51.8	53.3	48.8	4,714	1,946	7,030	56.0	49.8	54.4	43.8	
28	51.5	(1.2)	? 50.3	54.1	51.5	52.0	52.2	52.2	52.4	46.0	51.7	53.0	48.8	4,658	1,894	7,009	55.0	49.4	53.6	45.0	
29	51.3	(0.9)	? 50.4	54.0	51.6	52.3	52.5	52.6	52.7	46.0	51.9	53.1	48.9	4,830	1,890	7,005	60.5	56.2	61.5	46.7	
30	51.5	(1.1)	? 50.4	54.0	51.6	53.1	53.5	53.6	53.9	46.9	52.3	53.7	50.1	5,592	1,244	7,000	65.5	58.7	63.1	51.1	
31	51.1	(0.5)	? 50.6	54.0	51.8	53.1	53.5	53.7	54.2	47.4	52.3	53.7	51.6	5,279	1,432	7,004	63.5	60.6	64.5	53.2	
<b>Avg</b>	50.8		49.7	55.0	51.4	53.1	53.7	53.9	54.7	48.0	52.1	54.9	52.8	5,529	1,696	7,460	63.6	59.2	61.9	50.8	
<b>Tot cfs</b>														171,402	52,585	231,263					
<b>Tot af</b>														339,976	104,302	458,710					

# = 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 10/31/2011.

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 may be questionable again and may be estimated.