

1/17/2012

Temperature and Release Summary for Shasta and Trinity - December 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 12/31 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Nfh	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS
Nov	52.1		51.1	51.3	51.4	51.2	51.2	51.3	51.2	45.3	51.2	50.0	46.4	5,363	1,409	6,850	49.2	47.2	49.3	41.4
Dec																				
1	52.6	(1.0)	? 51.6	49.3	51.0	50.0	49.6	49.5	49.5	44.4	50.8	47.7	43.5	4,125	1,533	5,863	57.0	57.5	57.8	33.9
2	52.5	(0.9)	? 51.6	49.4	50.8	50.3	50.0	49.7	49.5	43.9	50.7	47.9	42.6	3,894	1,530	5,816	55.0	59.5	60.9	33.7
3	52.5	(1.2)	? 51.3	49.2	50.7	49.5	49.0	48.9	49.1	43.4	50.4	47.2	42.0	3,745	1,522	5,616	53.5	52.8	53.1	32.3
4	? 52.5	(0.9)	? 51.6	? 49.1	? 50.6	? 49.5	? 49.0	? 48.7	? 48.6	? 43.0	? 50.5	? 47.1	40.7	3,872	1,529	5,563	49.0	46.3	49.0	31.4
5	? 52.3	(0.8)	? 51.5	? 48.9	? 50.6	49.3	49.0	48.8	48.8	43.0	50.1	? 47.0	40.1	4,718	652	5,601	48.5	49.7	50.8	32.1
6	52.2	(0.9)	? 51.3	48.7	50.9	49.3	48.7	48.3	48.2	42.9	50.4	46.6	40.2	4,546	650	5,414	42.5	39.2	41.5	32.1
7	52.1	(0.8)	? 51.3	48.6	50.8	49.4	48.9	48.5	48.4	43.0	50.5	46.5	40.7	4,788	654	5,208	43.5	38.8	41.6	35.3
8	52.4	(0.9)	? 51.5	48.5	50.6	49.5	49.0	48.6	48.6	43.2	50.5	46.4	41.4	3,908	1,035	5,010	48.0	43.2	45.4	35.8
9	52.1	(0.8)	? 51.3	48.4	50.5	49.3	48.8	48.5	48.6	43.0	50.2	46.2	41.5	3,808	783	4,997	45.0	40.2	42.2	32.8
10	52.0	(0.8)	? 51.2	48.2	50.5	49.0	48.4	48.1	48.1	43.0	49.9	46.0	40.7	3,645	1,094	4,902	41.5	37.7	41.1	32.5
11	52.1	(0.9)	? 51.2	47.9	50.3	48.8	48.2	47.8	47.8	43.1	49.8	45.9	40.5	3,569	1,250	5,000	40.0	36.9	39.5	33.0
12	52.0	(0.9)	? 51.1	47.9	50.2	48.9	48.4	48.2	48.1	43.0	49.7	46.0	40.8	4,243	582	4,993	45.5	42.2	44.8	32.0
13	52.0	(0.9)	? 51.1	47.9	50.3	48.8	48.2	47.8	47.8	42.4	49.9	45.8	40.1	4,104	480	4,995	42.5	37.5	42.4	29.9
14	51.6	(0.7)	? 50.9	47.7	50.3	48.6	47.8	47.4	47.4	42.6	49.7	45.5	39.0	4,539	476	5,000	38.5	37.1	40.7	32.5
15	51.7	(0.7)	? 51.0	47.7	50.3	49.8	49.2	48.9	48.4	43.5	50.3	46.6	41.1	4,368	401	4,993	47.5	46.5	46.5	36.8
16	51.9	(0.7)	? 51.2	47.8	50.4	49.5	49.0	48.8	49.0	43.3	50.2	46.4	42.1	4,237	546	4,996	57.0	51.8	53.3	36.2
17	51.7	(0.4)	? 51.3	47.9	50.3	50.0	49.4	49.0	49.0	42.7	50.5	46.5	41.9	4,048	806	4,997	54.0	47.7	51.4	34.9
18	51.2	(0.7)	? 50.5	48.4	50.3	49.2	48.8	48.7	49.0	43.3	49.9	45.9	41.5	4,526	54	4,997	44.5	39.5	42.5	35.5
19	53.1	(1.2)	? 51.9	48.2	50.5	49.5	49.0	48.5	48.4	43.4	50.4	46.1	41.8	5,243	50	4,997	57.0	55.0	52.7	33.9
20	53.5	(0.7)	? 52.8	48.0	50.2	49.5	49.2	48.7	48.7	42.9	50.1	45.8	41.4	5,125	50	4,993	55.5	57.9	52.9	32.5
21	53.2	(0.6)	? 52.6	48.1	51.5	49.7	49.2	48.6	48.5	42.6	50.7	45.5	40.3	4,793	50	4,991	53.0	52.6	50.6	31.0
22	53.1	(0.6)	? 52.5	47.9	51.7	49.6	48.9	48.2	47.8	41.4	51.0	45.1	38.7	4,785	50	5,001	44.5	42.5	44.9	27.2
23	52.9	(0.6)	? 52.3	47.9	51.5	49.6	48.8	48.4	47.8	41.5	50.9	44.9	37.8	4,797	50	4,994	41.0	35.8	39.5	28.8
24	52.9	(0.8)	? 52.1	47.9	51.5	49.6	48.8	48.4	47.8	41.3	51.0	45.3	37.6	4,999	50	4,992	43.0	37.5	40.2	29.2
25	53.3	(1.3)	? 52.0	47.9	51.5	49.6	49.0	48.6	48.0	41.6	50.9	44.9	37.9	4,745	50	4,995	40.5	35.7	38.9	31.7
26	53.2	(1.3)	? 51.9	47.8	51.4	49.6	48.8	48.4	48.0	42.0	50.9	45.1	39.1	4,931	50	5,000	40.0	37.1	40.3	33.3
27	52.7	(0.9)	? 51.8	47.7	51.3	49.8	49.2	48.9	48.4	42.5	51.0	45.5	40.4	4,667	50	4,992	43.0	42.7	45.7	36.0
28	52.9	(1.1)	? 51.8	47.7	51.4	51.0	50.7	50.5	49.7	43.1	51.5	46.2	42.2	4,791	50	4,980	46.5	49.1	49.0	41.4
29	52.5	(0.8)	? 51.7	47.5	51.5	50.7	50.5	50.4	50.3	43.4	51.3	45.9	43.6	4,813	50	4,989	45.5	47.4	46.5	44.7
30	52.5	(1.1)	? 51.4	47.4	51.4	51.1	51.0	50.9	50.4	43.1	51.4	45.8	43.8	4,903	50	5,001	45.0	47.1	48.6	43.4
31	52.4	(0.9)	? 51.5	47.2	51.2	50.0	49.7	49.5	49.7	42.3	51.0	44.9	42.0	4,867	50	5,006	46.5	42.3	46.3	35.8
Avg	52.4		51.6	48.2	50.8	49.6	49.1	48.8	48.6	42.8	50.5	46.1		4,456	523	5,126	46.9	44.7	46.5	33.9
Tot cfs														138,142	16,227	158,892				
Tot af														274,005	32,186	315,162				

# = 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 12/31/2011

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 are questionable again and are being estimated.