

Temperature and Release Summary for Shasta and Trinity - April 2012

(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	Control Point 4/16 to 4/30 Bsf	Control Point 6/1 to 4/15 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation El 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Mar	48.3		47.9	46.9	47.9	49.6	49.9	49.9	50.5	46.6	48.6	47.2	2,270	961	3,650	50.4	50.6	51.5	42.7	
Apr																				
1	48.5	(0.6)	47.9	47.3	48.5	50.7	50.6	50.5	51.5	47.6	49.6	48.3	756	1,489	3,260	48.5	50.8	51.8	42.8	
2	48.9	(0.7)	48.2	47.3	48.7	51.5	51.3	51.3	52.0	48.4	50.1	48.5	1,772	1,412	3,260	54.0	53.2	53.8	47.6	
3	48.9	(0.7)	48.2	47.5	48.9	52.3	52.4	52.4	53.0	48.1	50.3	48.9	1,137	1,344	3,261	53.0	53.5	54.2	44.8	
4	49.0	(0.6)	48.4	47.5	49.0	51.8	52.1	52.3	53.1	47.5	49.7	47.9	1,085	1,499	3,257	46.5	48.7	49.2	39.6	
5	49.3	(0.9)	48.4	47.6	49.0	50.7	50.8	51.0	52.0	46.8	49.6	47.1	1,703	831	3,262	45.5	44.8	46.5	35.9	
6	49.2	(0.7)	48.5	47.7	49.1	50.8	50.8	51.1	51.9	48.4	50.0	47.6	2,115	910	3,254	44.0	44.9	46.1	40.5	
7	49.3	(0.7)	48.6	48.0	49.2	51.3	51.6	51.9	52.3	48.3	49.8	47.8	2,356	502	3,260	50.5	50.2	51.8	44.9	
8	49.3	(0.5)	? 48.8	48.1	49.4	51.5	51.8	51.9	52.7	48.8	50.5	48.8	1,862	516	3,261	53.5	52.8	55.0	48.9	
9	49.6	(0.7)	? 48.9	47.9	49.5	52.9	53.5	53.8	54.0	49.4	50.7	49.2	2,155	558	3,261	58.0	56.6	57.4	52.0	
10	49.9	(1.1)	? 48.8	47.9	49.6	51.9	52.6	53.1	54.0	48.8	50.0	48.5	2,246	477	3,252	49.5	50.3	52.6	45.5	
11	49.6	(0.6)	? 49.0	47.8	49.4	52.2	52.1	52.2	53.0	48.6	50.4	48.8	2,511	533	3,257	53.5	51.9	53.7	44.5	
12	48.9	(1.0)	? 47.9	47.8	49.4	52.0	52.3	52.6	53.0	48.9	50.2	48.5	2,497	516	3,261	53.0	51.4	51.3	42.3	
13	48.9	(0.2)	? 48.7	47.7	49.3	51.2	51.4	51.7	52.3	48.3	49.9	48.3	1,759	1,126	3,259	45.5	46.4	47.4	40.4	
14	49.4	(0.5)	? 48.9	47.7	49.3	52.0	51.9	51.8	51.9	49.3	50.9	49.6	1,922	1,087	3,256	54.0	54.2	55.0	47.2	
15	49.6	(0.1)	? 49.5	48.1	49.3	54.4	55.0	55.2	55.5	50.4	51.5	50.6	1,382	996	3,256	57.0	56.2	56.7	52.6	
16	49.5	(0.6)	? 48.9	48.3	49.6	55.1	56.2	56.6	57.3	50.9	51.6	51.0	2,427	542	3,633	61.5	59.4	59.8	56.3	
17	49.5	(0.5)	? 49.0	48.1	50.3	53.9	55.0	55.5	56.8	50.6	51.4	50.5	2,207	541	4,260	55.5	57.4	57.9	52.5	
18	49.8	0.1	? 49.9	48.2	50.4	53.9	54.9	55.2	56.1	50.9	51.6	50.5	3,405	384	4,500	61.0	60.3	62.1	52.4	
19	50.2	(0.2)	? 50.0	48.1	50.5	55.4	56.5	56.8	57.8	51.9	52.5	51.7	4,135	489	4,508	67.0	66.6	67.1	57.9	
20	50.6	(0.9)	? 49.7	48.1	50.6	56.5	58.3	58.8	60.0	52.6	53.0	52.6	4,013	534	4,526	72.5	71.0	72.5	62.9	
21	50.0	(0.4)	? 49.6	48.3	51.2	56.9	59.0	59.6	61.3	51.8	53.1	52.9	3,649	526	4,979	71.0	70.9	72.3	64.5	
22	50.3	(0.1)	? 50.2	48.1	51.6	57.5	59.6	60.1	61.7	52.3	53.8	53.3	3,906	526	4,994	73.0	72.3	74.3	66.4	
23	50.3	(0.4)	? 49.9	48.0	51.4	57.9	60.1	60.8	62.4	52.8	53.7	53.5	5,241	1,019	5,500	69.5	68.3	68.2	66.4	
24	50.1	(0.7)	? 49.4	48.2	51.2	55.8	57.9	58.8	61.0	52.3	52.7	52.0	4,740	1,004	5,997	63.0	62.5	62.6	61.2	
25	50.3	(1.1)	? 49.2	48.2	50.6	54.3	55.9	56.5	58.0	51.5	51.8	50.9	4,388	1,159	6,011	60.5	60.4	61.6	57.3	
26	49.5	(0.6)	? 48.9	48.2	50.4	54.5	55.5	55.8	57.0	51.9	52.0	51.7	4,045	1,026	5,988	55.5	59.2	60.8	51.3	
27	50.9	(1.3)	? 49.6	48.4	50.4	53.3	54.3	54.8	56.4	51.5	51.6	50.0	4,265	1,024	6,002	55.0	55.0	57.8	48.2	
28	51.7	(1.6)	? 50.1	48.4	50.3	54.0	54.9	55.2	56.2	51.1	52.1	51.4	4,422	1,003	6,007	67.5	64.5	66.5	56.2	
29	52.2	(1.9)	? 50.3	48.4	51.0	55.3	56.8	57.2	58.4	50.8	52.7	52.2	4,214	1,000	6,002	75.0	69.6	70.6	60.3	
30	51.2	(1.2)	? 50.0	48.5	51.9	55.9	57.6	58.2	59.5	49.5	53.2	51.9	4,428	924	5,998	68.0	67.9	68.1	61.1	
		0.0																		
Avg Tot cfs Tot af	49.8		49.1	48.0	50.0	53.6	54.4	54.8	55.7	50.0	51.3	50.2	2,891 86,743 172,055	850 25,497 50,573	4,259 127,782 253,456	58.1	57.7	58.8	51.5	

= 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: Jelly's Ferry 6/1/2011 to 4/15/2012; Balls Ferry 4/16/2012 to 4/30/2012.

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. On 4/23/2012 the pipe extension was completed. On 4/24/2012 at 0900 a newly calibrated probe was installed.