

2/3/2012

Temperature and Release Summary for Shasta and Trinity - January 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	Bsf	Control Point 6/1 to 1/31 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Dec	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	46.8	44.7	46.5	33.9	
Jan																				
1	52.1	(0.9)	51.2	47.5	50.8	50.0	49.6	49.5	49.2	42.2	50.9	45.1	4,578	50	4,996	47.5	42.0	45.5	36.4	
2	52.0	(0.9)	51.1	47.5	50.9	49.8	49.4	49.1	49.0	42.3	50.6	45.1	4,615	50	5,003	44.0	41.6	43.2	36.9	
3	52.1	(0.9)	51.2	47.5	50.9	50.1	49.7	49.5	49.1	42.7	50.9	45.2	5,051	50	5,010	48.5	44.0	47.6	38.1	
4	52.0	(0.8)	51.2	47.3	50.8	50.1	49.8	49.6	49.5	42.7	50.9	45.1	5,178	50	4,992	49.0	44.3	48.4	37.5	
5	51.9	(0.8)	51.1	47.2	50.8	50.4	50.1	50.0	49.8	42.8	51.0	45.5	5,178	50	4,986	52.0	46.5	49.8	38.6	
6	51.8	(0.9)	50.9	47.2	50.8	49.8	49.5	49.4	49.4	42.8	50.6	45.3	5,132	50	4,999	47.5	41.0	43.5	36.4	
7	51.9	(1.0)	50.9	47.2	50.6	49.8	49.5	49.2	48.9	43.0	50.6	45.2	4,639	50	4,991	49.0	47.9	50.8	34.9	
8	51.7	(0.8)	50.9	47.2	50.4	49.8	49.5	49.2	49.1	42.7	50.5	45.3	4,517	50	4,994	51.5	46.4	51.3	34.0	
9	51.5	(0.7)	50.8	47.1	50.3	49.4	49.0	48.8	48.8	42.6	50.2	45.1	4,833	50	4,899	44.5	40.4	45.3	34.5	
10	51.8	(1.1)	50.7	47.0	50.3	49.2	48.7	48.5	48.2	42.6	50.2	45.1	4,664	50	4,812	46.5	38.6	43.5	35.5	
11	51.4	(0.8)	50.6	47.0	50.3	49.5	49.0	48.6	48.2	42.7	50.3	45.2	4,938	50	4,699	59.0	43.2	52.2	33.8	
12	51.4	(0.9)	50.5	46.9	50.1	49.1	48.8	48.5	48.5	42.3	50.5	44.9	4,719	50	4,595	48.0	41.7	47.5	32.7	
13	50.9	(0.5)	50.4	46.9	50.0	48.9	48.5	48.2	48.1	42.0	49.9	44.7	4,726	34	4,502	48.0	41.8	46.0	32.9	
14	50.8	(0.5)	50.3	46.8	49.9	48.8	48.4	48.1	48.0	42.0	49.8	44.6	4,225	47	4,500	44.0	39.8	43.4	33.1	
15	50.8	(0.7)	50.1	46.7	49.8	48.6	48.3	48.0	47.8	41.7	49.4	44.4	4,185	47	4,492	40.0	38.6	43.0	31.5	
16	50.6	(0.6)	50.0	46.6	49.4	47.6	47.1	46.7	46.7	40.9	48.8	44.1	4,242	47	4,497	34.0	31.9	36.1	27.4	
17	50.4	(0.6)	49.8	46.3	49.2	47.1	46.4	46.0	45.5	41.0	48.4	43.9	4,400	47	4,494	31.5	30.4	33.8	28.3	
18	50.3	(0.7)	49.6	46.1	49.3	47.6	47.1	46.8	46.1	40.6	48.5	44.5	4,143	47	4,402	38.0	38.5	40.2	32.0	
19	50.2	(0.7)	49.5	45.5	49.2	47.6	47.3	47.1	46.7	40.6	48.4	44.4	4,096	334	4,301	37.5	38.4	41.4	32.9	
20	50.0	(0.8)	49.2	45.3	48.6	46.4	46.7	46.5	46.7	41.0	48.1	43.9	3,204	485	4,216	40.5	40.2	42.6	33.8	
21	49.9	(0.5)	49.4	46.6	48.5	44.6	44.4	44.4	45.0	41.2	48.2	44.3	3,556	91	4,111	46.5	45.8	47.9	36.8	
22	49.8	(0.7)	49.1	45.5	48.6	46.0	45.5	45.3	45.1	41.1	47.8	43.5	3,557	284	4,013	39.5	39.8	42.7	33.3	
23	49.7	(0.6)	49.1	47.1	48.5	44.5	44.5	44.3	44.5	41.6	48.1	43.6	3,826	67	4,010	47.5	45.0	46.1	35.0	
24	49.6	(0.5)	49.1	45.2	48.5	46.8	46.5	46.2	45.9	41.6	48.5	44.4	3,588	357	4,006	46.5	44.3	46.3	35.9	
25	49.6	(0.5)	49.1	45.5	48.7	48.5	48.4	48.2	47.9	41.8	49.0	45.1	3,647	47	4,010	52.5	50.0	50.2	39.5	
26	49.5	(0.5)	49.0	45.7	49.0	49.1	49.3	49.4	49.5	42.2	49.2	45.0	4,062	47	4,009	52.0	50.8	50.6	42.2	
27	49.6	(0.6)	49.0	45.5	49.0	48.0	47.8	48.0	48.8	41.8	48.9	43.7	3,929	47	4,010	53.5	48.7	50.9	37.7	
28	49.5	(0.6)	48.9	45.3	48.8	47.5	47.0	47.0	47.4	41.6	48.8	43.5	3,540	47	4,008	54.5	45.0	50.7	34.7	
29	49.4	(0.6)	48.8	45.6	48.7	47.8	47.5	47.4	47.5	41.9	48.7	43.7	3,644	47	4,005	47.5	46.3	49.0	37.6	
30	49.3	(0.5)	48.8	45.6	48.7	48.5	48.4	48.3	48.5	42.3	49.0	43.8	3,900	47	4,010	50.0	47.6	50.3	41.1	
31	49.3	(0.6)	48.7	45.6	48.7	48.2	48.3	48.3	48.6	42.4	48.8	43.5	3,785	47	4,011	46.0	46.5	48.9	38.6	
Avg	50.7		50.0	46.5	49.6	48.4	48.1	47.9	47.8	42.0	49.5	44.5	4,268	91	4,470	46.3	42.8	46.1	35.3	
Tot cfs													132,297	2,816	138,583					
Tot af													262,411	5,586	274,879					

= 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 1/31/2012

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.