

3/14/2012

Temperature and Release Summary for Shasta and Trinity - February 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 2/29 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS
Jan	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
Feb																			
1	49.1	(0.6)	48.5	45.6	48.8	49.3	49.3	49.2	49.2	42.8	49.3	44.5	3,671	47	3,911	50.5	50.6	52.0	41.6
2	49.1	(0.5)	48.6	45.6	48.8	48.8	48.8	48.9	49.5	42.7	49.0	43.9	3,614	47	3,816	55.0	52.7	53.5	40.3
3	49.3	(0.6)	48.7	45.5	48.7	48.4	48.2	48.1	48.5	42.4	48.9	43.6	3,529	47	3,717	50.5	44.1	47.3	37.8
4	49.1	(0.5)	48.6	45.4	48.5	48.2	48.0	48.0	48.3	42.2	48.6	43.4	3,190	47	3,613	48.0	44.2	47.7	37.0
5	49.1	(0.6)	48.5	45.6	48.5	48.2	48.0	47.9	48.2	42.4	48.7	43.5	3,272	47	3,519	49.0	45.2	48.5	37.1
6	49.0	(0.5)	48.5	45.6	48.5	48.1	48.0	47.9	48.2	42.7	48.5	43.5	3,271	47	3,408	47.0	44.0	47.3	40.3
7	49.0	(0.5)	48.5	45.6	48.5	48.4	48.3	48.2	48.3	43.6	48.5	44.0	2,338	47	3,315	47.0	46.7	47.7	44.4
8	48.9	(0.6)	48.3	45.4	48.5	49.4	49.5	49.5	49.6	44.8	49.4	45.1	3,236	47	3,631	55.0	52.2	53.8	46.0
9	48.9	(0.7)	? 48.2	45.3	48.6	49.7	50.0	50.2	50.7	45.0	49.3	44.7	3,421	47	4,010	52.0	49.9	53.0	46.3
10	48.8	(0.8)	? 48.0	45.0	48.6	49.7	50.1	50.3	50.6	45.3	49.1	44.7	4,138	830	4,014	50.5	50.3	51.9	44.8
11	48.7	(0.4)	? 48.3	45.0	48.2	49.9	50.3	50.5	50.9	45.6	49.3	45.1	2,760	881	4,010	55.0	51.1	51.8	45.8
12	48.7	(0.5)	48.2	45.2	48.0	48.7	49.2	49.5	50.3	45.1	48.2	44.1	2,985	771	4,000	49.5	46.3	48.5	36.7
13	48.8	(0.5)	48.3	45.4	47.9	49.0	49.2	49.2	49.4	45.4	48.6	44.9	3,198	631	4,003	49.0	47.4	48.4	38.3
14	48.8	(0.5)	48.3	45.4	47.8	48.5	48.8	49.0	49.6	45.8	48.3	44.3	3,173	775	4,007	47.5	47.8	49.6	41.0
15	48.9	(0.5)	48.4	45.5	47.7	48.0	48.2	48.3	48.7	44.8	47.9	44.1	3,428	876	4,008	48.0	48.6	49.7	36.4
16	48.9	(0.5)	48.4	45.5	47.7	48.1	48.2	48.2	48.4	45.0	48.1	44.3	3,007	692	4,006	54.0	49.3	50.6	38.7
17	48.7	(0.3)	48.4	45.6	47.8	48.6	48.9	48.9	49.1	45.5	48.4	44.9	2,610	722	4,012	48.0	48.4	49.9	45.0
18	48.6	0.0	? 48.6	45.6	47.9	48.6	49.0	49.2	49.5	45.3	48.1	44.7	2,666	702	4,011	49.0	47.6	49.3	43.6
19	48.7	(0.6)	? 48.1	45.7	47.8	48.2	48.4	48.4	49.0	45.0	48.2	44.5	3,278	492	4,011	48.5	45.8	46.8	38.7
20	48.6	(0.3)	? 48.3	45.7	47.8	48.3	48.6	48.8	49.0	45.6	48.1	44.9	3,278	770	4,013	47.5	46.5	47.9	40.5
21	48.6	(0.4)	? 48.2	45.7	47.8	48.7	48.9	48.9	49.2	46.0	48.4	45.5	3,168	780	4,019	55.0	52.8	55.2	44.5
22	48.6	(0.5)	? 48.1	45.9	47.9	49.7	50.3	50.5	50.9	46.7	48.6	46.1	3,375	779	4,949	62.0	59.7	63.5	50.7
23	48.9	(0.5)	? 48.4	46.1	48.2	49.3	49.8	50.1	50.9	46.3	48.8	45.9	4,267	1,196	4,990	59.5	57.2	59.3	45.2
24	49.0	(0.5)	? 48.5	46.2	47.9	49.6	50.0	50.1	50.5	46.0	48.9	45.9	3,796	1,197	4,989	62.0	57.7	59.4	45.7
25	48.6	(0.4)	? 48.2	46.3	48.1	49.1	49.6	49.9	50.5	45.6	48.4	45.5	3,339	1,257	4,900	49.0	49.4	50.5	40.5
26	48.9	(0.8)	? 48.1	46.1	48.0	47.6	47.9	48.1	48.7	45.3	47.7	45.3	3,486	1,222	4,733	47.0	42.7	44.3	34.2
27	48.9	(0.5)	? 48.4	46.0	47.7	47.9	47.8	47.6	47.6	45.0	48.0	45.8	3,378	1,227	4,526	47.5	44.8	45.1	35.5
28	48.5	(0.5)	48.0	45.9	47.4	47.5	47.8	47.9	48.0	44.2	47.2	45.2	2,686	1,140	4,506	40.0	42.4	43.4	34.4
29	48.1	(0.7)	? 47.4	45.9	47.5	47.1	47.2	47.2	47.5	43.9	47.5	45.7	3,401	1,060	4,503	45.0	45.8	46.7	35.5
		0.0																	
Avg	48.8		48.3	45.6	48.1	48.6	48.8	48.9	49.3	44.7	48.5	44.7	3,274	635	4,109	50.6	48.7	50.4	40.9
Tot cfs													94,959	18,423	119,150				
Tot af													188,351	36,542	236,334				

= 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 2/29/2012

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.