

5/11/2012

Temperature and Release Summary for Shasta and Trinity - March 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 3/31 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Feb	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	42	50.6	48.7	50.4	40.9	
Mar																				
1	& 48.0	(0.5)	? 47.5	46.1	47.5	48.0	48.2	48.2	47.9	44.5	47.8	45.9	3,721	1,083	4,306	48.0	47.0	47.8	38.4	
2	48.3	(0.3)	48.0	? 46.2	47.3	47.9	48.1	48.2	48.6	44.9	47.9	45.9	3,117	997	4,138	49.5	48.9	50.2	39.0	
3	48.5	(0.3)	48.2	46.2	47.4	49.1	49.5	49.5	49.7	45.2	48.5	46.9	2,813	1,070	4,044	59.0	54.8	55.2	43.0	
4	48.4	(0.3)	? 48.1	46.4	47.6	49.7	50.4	50.7	51.2	45.8	48.6	46.9	2,149	978	4,033	54.5	52.6	55.0	46.5	
5	48.3	(0.3)	? 48.0	46.5	47.9	50.0	50.8	51.0	51.8	46.1	49.0	47.0	2,655	1,015	4,035	54.5	54.1	56.0	47.1	
6	48.7	(0.6)	48.1	46.6	? 48.1	49.4	50.1	50.5	51.2	45.3	48.5	46.3	3,210	755	4,032	48.5	49.2	49.6	40.0	
7	48.7	(0.5)	48.2	46.6	47.9	48.6	48.8	48.8	49.4	46.1	48.5	46.1	3,199	982	4,044	54.0	51.0	52.2	39.7	
8	& 48.7	(0.5)	48.2	46.7	47.6	49.6	49.9	50.0	50.2	46.7	48.7	46.9	2,826	1,027	4,034	53.5	49.0	52.5	46.2	
9	& 48.6	(0.5)	48.1	46.6	48.0	49.8	50.4	50.6	51.3	46.6	48.9	46.8	2,987	1,012	4,031	51.5	50.0	53.0	46.6	
10	& 48.4	(0.4)	48.0	46.6	48.1	50.3	51.0	51.2	51.8	47.1	49.2	47.1	2,407	1,040	4,018	51.5	50.9	52.8	47.7	
11	& 48.2	(0.6)	47.6	& 46.6	48.1	50.2	51.0	51.3	51.8	47.3	49.1	47.1	2,739	1,056	4,002	49.5	52.0	51.6	44.9	
12	48.1	(0.5)	47.6	46.7	48.2	49.6	50.1	50.3	51.0	47.0	48.8	46.3	2,902	957	4,004	48.0	49.2	49.4	41.8	
13	& 47.5	(0.5)	47.0	46.7	48.0	49.3	49.7	49.9	50.2	47.3	48.5	46.9	2,640	1,364	3,910	51.0	51.8	51.3	43.7	
14	& 48.2	(0.7)	47.5	46.9	47.6	49.7	50.0	50.0	50.5	47.2	48.4	47.3	3,143	445	3,810	51.0	53.8	54.0	44.2	
15	47.8	0.0	47.8	46.9	47.7	51.0	51.2	51.1	51.5	47.2	48.8	48.8	2,765	606	3,718	56.5	57.0	56.8	47.2	
16	47.5	0.0	47.5	46.9	47.8	50.9	51.1	51.1	52.0	46.9	48.9	49.0	640	1,457	3,616	51.0	54.0	54.2	43.5	
17	48.2	(0.5)	47.7	46.9	48.0	49.3	49.4	49.4	50.7	46.8	48.8	47.2	1,216	1,443	3,514	45.5	47.0	49.0	39.8	
18	48.3	(0.6)	47.7	47.1	48.0	49.8	49.9	49.8	50.4	46.6	48.8	47.0	1,615	1,190	3,411	45.5	46.8	47.0	39.0	
19	48.3	(0.6)	47.7	47.2	48.0	48.5	48.6	48.6	49.6	46.0	48.1	45.7	2,027	811	3,315	41.5	42.2	42.8	35.3	
20	48.6	(0.8)	47.8	47.4	48.1	48.6	48.4	48.3	49.0	46.2	48.4	46.7	2,037	517	3,262	46.0	46.8	48.5	38.2	
21	#	48.5	& 48.5	47.5	& 47.9	& 49.2	49.4	& 49.2	50.0	! 46.6	48.6	47.4	2,275	515	3,261	50.0	50.7	54.3	42.6	
22	#	48.0	! 48.0	47.5	! 47.8	& 50.1	50.3	& 50.3	51.1	& 48.1	49.0	48.2	2,732	566	3,261	50.0	51.4	53.6	44.9	
23	#	47.7	! 47.7	47.5	& 48.1	49.9	50.2	& 50.2	51.0	& 46.9	49.0	47.7	2,595	572	3,259	48.0	48.0	49.1	42.0	
24	48.5	(0.8)	47.7	47.6	48.3	49.4	49.9	49.9	50.6	46.4	48.4	46.8	2,192	529	3,258	46.0	45.8	46.3	40.0	
25	48.4	(0.4)	48.0	47.6	48.1	49.0	48.9	48.8	49.5	47.0	48.6	46.9	2,089	534	3,260	46.5	45.8	46.5	39.9	
26	48.4	(0.5)	47.9	47.5	47.9	49.4	49.5	49.5	49.9	47.0	48.4	46.5	2,475	544	3,260	46.0	47.5	48.0	40.2	
27	48.1	0.3	! 48.4	47.3	47.7	48.8	48.9	48.9	49.5	46.1	48.0	46.8	2,145	1,028	3,261	48.5	49.0	48.7	40.0	
28	48.0	(0.1)	47.9	47.3	47.6	49.6	49.3	49.0	& 49.4	47.2	49.0	48.5	1,014	1,301	3,261	54.0	55.0	54.8	44.5	
29	48.4	(0.8)	47.6	47.3	47.8	50.5	50.9	50.9	51.5	46.6	48.4	48.1	1,219	1,344	3,262	52.5	55.2	54.8	42.7	
30	48.5	(0.6)	47.9	47.3	48.0	50.4	50.5	50.3	51.0	47.1	48.9	49.5	654	1,548	3,265	57.5	58.4	58.6	47.8	
31	47.7	0.2	47.9	47.2	48.1	51.3	51.2	51.1	& 51.7	47.4	49.1	49.5	181	1,515	3,261	52.5	54.0	53.4	46.2	
Avg Tot cfs Tot af	48.3		47.9	46.9	47.9	49.6	49.9	49.9	50.5	46.6	48.6	47.2	2,270 70,379 139,597	961 29,801 59,110	3,650 113,146 224,425	50.4	50.6	51.5	42.7	

= 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 3/31/2012.

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.

Mar 21-23 most sites missing many hourly readings due to issues with the Satellite transmission.

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