

6/13/2012

Temperature and Release Summary for Shasta and Trinity - May 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 5/31 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Apr	49.8		49.1	48.0	50.0	53.6	54.4	54.8	55.7	50.0	51.3	50.2	2,891	850	4,259	58.1	57.7	58.8	51.5	
May																				
1	50.2	0.0	50.2	48.5	51.9	55.8	57.2	57.6	59.1	49.4	53.6	51.4	4,657	819	5,993	62.0	60.5	63.7	54.0	
2	51.9	(1.8)	50.1	48.8	51.7	54.8	56.2	56.8	58.4	48.4	52.6	50.2	4,772	475	6,002	56.0	57.3	61.0	50.6	
3	51.0	(1.3)	49.7	48.6	51.6	54.1	55.5	56.1	57.0	48.0	52.5	50.1	4,714	933	6,504	57.0	58.5	58.2	51.2	
4	51.3	(1.3)	50.0	48.8	51.3	54.8	55.6	55.9	57.1	47.8	52.7	51.4	5,392	854	7,006	61.5	60.0	60.6	49.4	
5	53.0	(1.8)	51.2	50.7	51.2	54.4	55.6	56.1	57.5	47.8	52.4	51.0	5,933	68	7,000	64.0	61.3	63.0	51.0	
6	53.5	(1.9)	? 51.6	49.8	52.1	55.0	56.1	56.5	57.7	47.6	53.2	51.6	6,036	129	6,955	72.0	68.6	70.1	56.2	
7	52.1	(1.1)	? 51.0	51.3	53.4	56.5	57.7	58.0	59.0	47.3	54.6	52.0	7,203	63	7,370	72.5	67.2	70.7	59.9	
8	50.6	(1.1)	49.5	51.6	53.1	57.0	58.4	58.9	60.2	47.4	54.7	52.5	7,646	45	8,503	70.0	68.8	72.0	64.2	
9	50.2	(1.2)	49.0	50.5	51.5	56.0	57.8	58.4	60.3	47.5	53.2	52.7	8,071	86	9,013	71.0	69.4	72.5	63.0	
10	51.4	(1.4)	50.0	50.2	50.7	54.4	56.0	56.7	58.4	47.5	52.1	52.2	8,374	83	8,999	72.5	70.4	72.4	59.0	
11	51.2	(1.1)	50.1	50.3	51.5	54.3	55.7	56.1	57.5	47.7	52.5	52.3	9,107	94	9,963	74.5	70.7	72.8	60.2	
12	50.7	(1.3)	49.4	50.4	51.6	54.8	56.4	56.9	58.1	47.5	52.9	52.5	9,169	74	9,993	72.5	70.1	71.1	64.0	
13	50.7	(1.4)	49.3	50.6	51.0	54.6	56.4	57.0	58.5	47.6	52.3	52.7	8,647	66	9,999	73.0	69.1	72.3	64.4	
14	50.4	(1.2)	49.2	50.5	51.0	54.2	56.0	56.5	58.0	47.8	52.1	52.9	8,867	91	10,003	66.5	64.4	65.3	64.7	
15	50.7	(1.2)	49.5	50.3	50.7	54.3	55.9	56.4	57.7	48.1	52.1	52.8	8,865	108	10,008	68.5	66.8	68.1	67.2	
16	50.6	(1.2)	49.4	50.6	50.9	54.5	56.4	57.0	58.5	48.0	52.2	53.4	8,797	96	9,998	72.0	69.6	70.2	66.2	
17	50.8	(1.3)	49.5	50.4	50.6	54.3	56.2	56.9	58.5	48.0	52.0	52.4	9,828	89	10,503	69.5	70.2	71.0	59.9	
18	51.1	(1.4)	49.7	50.5	50.6	53.4	54.9	55.4	56.8	47.6	51.7	52.2	9,969	123	10,503	69.0	66.5	69.2	57.9	
19	50.8	(1.4)	49.4	50.5	51.0	54.1	55.5	55.9	56.9	47.8	52.3	52.5	9,748	117	10,503	68.0	67.5	69.3	61.0	
20	50.8	(1.4)	49.4	50.3	50.9	54.4	56.0	56.5	57.9	48.0	52.3	53.0	9,863	144	10,516	74.5	71.9	73.9	65.0	
21	50.7	(1.2)	49.5	50.5	50.9	54.2	56.0	56.6	58.2	48.1	52.1	52.1	9,380	108	10,515	73.0	70.5	71.1	64.1	
22	50.6	(1.2)	49.4	50.6	50.6	53.9	55.5	56.1	57.5	48.2	52.0	51.7	9,441	102	10,504	69.0	67.3	70.1	60.0	
23	50.7	(1.3)	49.4	50.4	50.6	53.7	55.1	55.6	57.0	48.9	52.0	51.6	9,613	117	10,503	64.0	63.9	67.7	56.9	
24	51.0	(1.5)	49.5	50.8	50.8	53.7	55.1	55.5	56.7	48.3	52.1	51.5	10,235	76	10,039	64.0	62.6	65.0	51.0	
25	51.2	(1.6)	49.6	50.5	50.8	52.7	53.8	54.3	55.6	48.3	51.5	50.8	9,777	127	10,003	59.5	57.3	60.0	49.8	
26	51.1	(1.6)	49.5	51.0	50.8	52.9	54.1	54.4	55.1	47.4	51.7	51.6	9,269	80	9,996	60.5	59.4	61.5	52.9	
27	51.0	(1.6)	49.4	51.2	50.9	53.8	55.1	55.5	56.5	47.4	52.2	52.5	9,186	80	9,999	65.0	64.4	64.2	56.9	
28	51.2	(1.6)	49.6	51.3	51.1	54.3	55.7	56.2	57.3	47.8	52.5	52.6	8,929	80	9,539	66.5	64.1	64.5	58.0	
29	50.3	(1.2)	49.1	51.1	51.2	54.5	56.0	56.5	57.9	48.3	52.6	52.7	8,873	200	9,495	66.5	66.0	67.5	60.9	
30	49.9	(1.3)	48.6	52.3	50.9	54.8	56.4	57.0	58.5	48.4	52.7	53.2	8,785	46	9,491	75.5	72.6	73.5	64.7	
31	49.9	(1.2)	48.7	50.9	50.3	54.5	56.3	57.0	59.0	48.5	52.1	53.9	8,995	86	9,498	80.5	78.1	78.7	69.2	
Avg Tot cfs Tot af	51.0		49.7	50.4	51.2	54.5	56.0	56.5	57.8	47.9	52.5	52.1	8,327 258,141 512,023	183 5,659 11,225	9,191 284,916 565,131	68.1	66.3	68.1	59.1	

= 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 5/31/2012

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