

9/6/2013

Temperature and Release Summary for Shasta and Trinity - August 2013

(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 3/1 to 8/31 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Jul	53.1		51.9	54.0	53.5	56.01	57.1	57.4	59.8	51.1	54.4	57.0	10,765	3,012	13,681	84.6	80.1	80.1	75.5	
Aug																				
1	51.9	(1.6)	50.3	54.5	52.7	55.29	56.4	56.6	59.0	50.2	53.9	57.8	9,190	2,866	12,224	76.5	74.4	72.4	66.4	
2	51.5	(1.3)	50.2	54.5	52.8	55.33	56.4	56.6	59.2	50.4	53.9	57.6	8,516	3,149	11,849	79.0	75.5	76.3	66.7	
3	51.5	(1.4)	50.1	54.4	52.6	55.15	56.0	56.2	58.6	50.4	53.8	57.4	8,667	3,058	12,009	77.0	73.3	73.8	70.3	
4	52.1	(1.6)	50.5	54.3	52.4	55.01	56.0	56.2	58.6	50.5	53.5	57.5	8,756	2,751	11,996	78.5	74.2	74.1	71.1	
5	51.9	(1.4)	50.5	54.2	52.8	55.15	56.2	56.4	58.9	50.6	54.0	57.7	8,835	3,115	12,011	78.0	74.2	73.5	71.6	
6	52.0	(1.8)	50.2	54.2	52.6	55.17	56.2	56.5	59.0	49.7	53.6	56.7	8,763	2,469	12,013	77.0	73.0	72.8	67.0	
7	52.0	(1.6)	50.4	54.1	52.7	55.20	56.3	56.5	58.9	50.3	53.9	57.4	8,759	3,003	11,548	74.5	70.5	69.3	70.1	
8	51.9	(1.7)	50.2	54.1	52.8	55.31	56.4	56.6	59.1	50.4	53.9	57.4	8,005	3,126	11,385	73.5	70.1	69.8	66.9	
9	51.5	(1.3)	50.2	54.1	52.7	55.25	56.2	56.5	58.8	50.5	53.8	57.1	7,878	3,125	11,286	74.5	70.5	69.3	66.1	
10	51.9	(1.7)	50.2	54.1	52.6	55.15	56.2	56.4	58.8	50.0	53.8	57.0	7,570	3,231	11,404	73.5	70.9	71.4	62.1	
11	52.3	(1.8)	50.5	54.1	52.6	55.22	56.3	56.5	59.1	50.3	53.8	57.8	8,721	2,545	11,434	77.5	73.8	74.9	68.3	
12	52.8	(2.0)	50.8	54.0	52.8	55.31	56.4	56.6	59.1	50.5	53.9	58.0	8,877	2,319	11,614	78.5	74.8	74.4	69.2	
13	53.0	(1.9)	51.1	54.0	53.1	55.51	56.6	56.8	59.3	49.9	54.3	57.8	9,037	2,087	11,599	80.0	75.5	77.1	71.3	
14	53.1	(2.0)	51.1	54.0	53.4	55.83	57.0	57.1	59.5	50.7	54.6	57.9	9,501	1,826	11,615	82.0	77.2	77.8	71.5	
15	53.0	(1.7)	51.3	53.9	53.4	55.88	57.0	57.3	59.9	50.8	54.6	58.0	9,454	2,182	11,608	80.0	76.0	76.4	72.0	
16	52.6	(1.7)	50.9	54.0	53.5	55.98	57.2	57.5	60.1	51.5	54.7	58.3	8,668	2,119	10,945	82.0	77.7	78.6	73.9	
17	52.3	(1.5)	50.8	54.1	53.3	56.23	57.6	57.9	60.5	51.6	54.6	58.6	8,290	2,110	10,322	84.0	80.5	80.7	75.5	
18	52.0	(1.2)	50.8	54.1	53.1	56.34	57.7	58.1	60.7	51.7	54.7	59.0	8,199	1,851	10,397	89.5	83.5	82.0	76.5	
19	52.8	(1.8)	51.0	54.2	53.0	56.28	57.6	58.0	60.7	51.9	54.5	58.9	7,898	1,882	10,497	86.0	81.1	81.4	78.3	
20	52.5	(1.5)	51.0	54.2	53.1	55.63	56.3	56.8	59.9	51.0	53.9	57.4	8,472	2,059	10,513	87.0	79.8	81.2	71.8	
21	52.8	(52.8)	!	54.3	53.0	55.65	57.0	57.1	59.1	51.4	54.3	58.2	8,078	1,374	10,512	83.5	78.5	77.9	74.8	
22	52.3	(52.3)	#	54.3	53.1	55.80	57.0	57.4	60.0	51.0	54.3	57.9	7,833	2,014	10,091	81.0	75.5	74.6	69.8	
23	51.6	(51.6)	#	54.3	52.9	55.68	57.0	57.2	59.5	51.1	54.3	57.7	7,253	2,012	9,640	77.5	72.8	72.8	68.5	
24	52.2	(52.2)	#	54.4	52.9	55.63	57.1	57.4	59.8	50.8	54.2	57.8	7,240	1,995	9,638	75.5	71.8	71.9	67.0	
25	52.3	(52.3)	#	54.3	52.7	55.68	57.2	57.5	59.9	50.0	54.1	58.4	7,561	1,224	9,058	77.5	73.5	74.2	66.0	
26	53.3	(53.3)	!	55.0	52.8	55.78	57.2	57.5	59.9	49.2	54.5	58.1	8,349	84	8,341	75.5	71.5	72.0	68.2	
27	51.1	(1.0)	50.1	54.2	53.4	55.63	56.9	57.2	59.5	49.2	54.5	57.6	7,117	1,078	8,190	76.0	71.7	74.1	67.0	
28	51.4	(1.4)	50.0	54.1	52.6	56.46	57.7	58.1	59.8	49.7	54.7	57.8	6,591	921	7,783	75.5	72.5	73.3	68.7	
29	52.0	(1.3)	50.7	54.1	52.2	55.47	56.9	57.7	60.0	50.1	53.8	57.9	7,295	1,195	7,684	76.5	72.9	73.7	69.9	
30	51.9	(1.6)	50.3	54.3	52.5	55.66	57.0	57.6	59.5	50.6	54.2	58.3	6,261	1,157	7,199	80.5	75.9	77.4	70.5	
31	51.2	(1.3)	49.9	54.3	53.0	56.00	57.6	58.2	59.8	50.5	54.7	58.1	5,175	1,787	7,140	81.0	75.8	77.8	71.5	
Avg	52.2		50.5	54.2	52.9	55.60	56.8	57.1	59.5	50.5	54.2	57.8	8,091	2,120	10,437	79.0	74.8	75.1	70.0	
Tot cfs													250,809	65,714	323,545					
Tot af													497,480	130,344	641,752					

# = 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 3/1/2013 to 8/31/2013  
 Starting May 17, 2013 Balls Ferry temperature target of 56.75 is for compliance of 56.0 at Airport Road.