

10/7/2013

Temperature and Release Summary for Shasta and Trinity - September 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 9/30 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Dgc	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Aug	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	
Sep																					
1	52.2	(1.5)	50.7	54.3	52.9	56.06	57.1	57.7	59.6	50.6	54.5	57.3	54.4	5,883	1,639	7,142	76.0	72.0	73.2	69.5	
2	51.9	(1.6)	50.3	54.3	52.7	55.83	57.2	57.8	59.3	50.6	54.4	57.6	53.9	5,568	1,795	7,123	73.5	70.8	72.5	66.8	
3	52.0	(1.3)	50.7	54.3	53.1	56.12	57.6	58.2	59.9	50.7	54.8	57.7	54.5	5,599	1,528	7,129	73.0	70.4	71.1	69.9	
4	51.5	(1.1)	50.4	54.3	52.9	56.04	57.5	58.1	59.9	50.5	54.4	57.4	53.8	6,269	1,018	7,116	72.5	69.1	70.0	65.9	
5	51.5	(1.0)	50.5	54.5	52.6	55.82	57.2	57.8	59.5	50.3	54.2	57.5	53.8	6,152	1,139	7,147	72.0	68.3	69.8	63.7	
6	51.7	(1.1)	50.6	54.5	52.8	55.61	56.2	57.6	59.3	50.3	54.2	57.4	53.4	5,986	1,132	7,137	79.5	72.3	75.6	64.5	
7	51.6	(0.9)	50.7	54.5	52.5	55.88	57.1	57.7	59.3	50.8	54.1	57.6	53.8	6,200	1,057	7,076	79.5	73.1	74.5	68.8	
8	52.2	(1.1)	51.1	54.5	52.5	55.66	56.9	57.4	59.1	50.6	54.1	57.4	54.0	6,243	842	7,078	81.5	75.1	78.3	70.5	
9	52.1	(1.2)	50.9	54.6	52.9	55.85	57.2	57.9	59.5	50.7	54.4	58.0	54.0	6,453	973	7,094	87.0	80.1	83.0	72.1	
10	52.1	(1.1)	51.0	54.6	52.9	56.18	57.6	58.3	59.9	50.6	54.5	58.2	54.0	6,157	1,141	7,185	84.5	78.8	80.8	72.5	
11	51.1	(0.5)	50.6	54.7	53.0	56.22	57.7	58.4	60.1	50.8	54.7	57.7	54.0	6,021	1,064	7,258	78.5	73.8	72.6	73.1	
12	51.7	(1.5)	50.2	54.8	52.9	56.07	57.2	57.9	59.9	50.5	54.4	56.7	54.0	5,907	1,092	7,385	76.0	71.9	72.4	72.5	
13	51.8	(0.9)	50.9	54.9	51.9	55.84	57.1	57.7	59.5	50.6	53.7	56.7	53.8	6,779	414	7,253	80.0	75.5	74.8	73.1	
14	52.6	(0.9)	51.7	54.8	52.2	55.53	56.8	57.5	59.5	50.8	53.7	56.5	53.9	6,376	1,086	7,258	79.5	74.9	74.8	71.4	
15	52.2	(0.9)	51.3	54.9	52.9	55.69	56.9	57.5	59.2	51.3	54.2	56.2	54.1	5,822	576	7,086	75.0	70.5	70.4	67.6	
16	52.3	(0.8)	51.5	54.9	53.0	56.00	57.2	57.6	59.1	51.3	54.6	56.1	54.0	6,294	425	6,999	72.5	69.2	70.9	66.9	
17	51.7	(0.8)	50.9	54.9	53.2	55.93	57.2	57.9	59.4	50.9	54.5	56.0	54.0	5,760	970	7,002	75.0	70.1	70.5	64.0	
18	51.9	(0.5)	51.4	55.5	52.7	56.05	56.8	57.3	58.5	50.5	54.3	55.3	52.5	7,013	83	6,998	75.5	69.8	71.6	58.5	
19	52.4	(0.7)	51.7	54.9	52.1	55.50	55.9	56.5	58.1	51.2	53.5	55.3	52.6	6,872	509	7,167	72.0	66.0	69.3	61.7	
20	52.6	(0.8)	51.8	55.0	52.5	55.11	55.6	56.0	57.3	51.2	53.4	54.8	53.1	6,248	881	7,015	68.0	64.9	67.7	58.3	
21	52.6	(0.8)	51.8	55.1	52.8	55.42	55.8	56.3	57.5	51.4	53.4	54.8	53.5	6,226	879	6,998	59.0	59.6	60.4	55.0	
22	53.0	(0.6)	52.4	55.1	52.6	54.72	55.1	55.3	56.1	51.2	53.8	54.9	53.0	5,956	879	6,584	60.5	59.3	60.5	55.1	
23	52.9	(0.7)	52.2	55.0	53.1	55.59	56.7	57.1	57.9	51.5	54.5	55.6	55.0	5,603	852	6,559	71.5	68.2	68.4	62.1	
24	53.5	(0.9)	52.6	55.0	53.3	56.00	57.0	57.5	58.7	51.1	54.5	55.5	54.7	5,676	806	6,690	68.5	66.3	67.5	59.0	
25	53.3	(0.7)	52.6	55.1	53.1	55.40	55.9	56.2	57.5	50.7	54.1	54.5	52.8	5,708	781	6,768	59.0	56.5	61.0	50.9	
26	53.3	(0.7)	52.6	55.1	53.3	54.92	55.3	55.5	56.2	51.1	54.2	54.7	51.9	6,017	786	6,766	60.5	58.7	61.6	48.7	
27	53.0	(0.6)	52.4	55.1	53.2	55.18	55.7	55.9	56.6	51.0	54.4	54.8	51.9	5,444	699	6,310	66.0	61.3	63.5	51.5	
28	53.5	(0.6)	52.9	55.1	53.0	55.38	55.9	56.1	56.9	50.9	54.3	55.0	52.8	5,647	550	6,167	64.0	62.4	63.3	56.5	
29	53.4	(0.6)	52.8	55.1	53.1	55.40	56.0	56.5	57.3	50.4	53.9	55.0	53.0	5,697	615	6,167	68.0	68.8	67.8	58.6	
30	53.3	0.2	53.5	55.1	53.2	55.84	56.8	57.2	58.1	50.9	54.7	55.9	53.4	5,337	794	6,301	69.0	67.5	68.4	58.7	
		0.0																			
Avg	52.4		51.5	54.8	52.8	55.69	56.7	57.2	58.6	50.8	54.2	56.3	53.6	6,030	900	6,932	72.6	68.8	70.2	63.6	
Tot cfs														180,913	27,005	207,958					
Tot af														358,841	53,564	412,485					

= 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 9/30/2013.

Starting May 17, 2013 Balls Ferry temperature target of 56.75 is for compliance of 56.0 at Airport Road.