

2/6/2014

Temperature and Release Summary for Shasta and Trinity - January 2014

(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 1/31 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Dec	53.1		52.4	49.9	51.7	48.96	49.1	48.7	48.4	nr	50.8	47.3	3,232	79	3,924	45.8	41.8	44.8	32.0	
Jan																				
1	51.4	(0.8)	50.6	47.6	50.8	48.85	49.1	48.7	48.7	nr	50.4	46.4	3,087	76	3,779	52.5	44.5	47.7	34.8	
2	51.2	(0.7)	50.5	47.7	50.6	48.96	49.4	49.0	48.9	nr	50.4	46.2	3,230	74	3,630	49.5	45.0	48.5	37.2	
3	50.9	(0.7)	50.2	47.6	50.4	49.37	49.7	49.3	49.3	nr	50.4	46.3	3,086	74	3,562	50.0	46.3	48.2	37.6	
4	51.4	(0.9)	50.5	47.5	50.2	48.81	49.0	48.7	49.1	nr	49.8	45.8	2,944	74	3,280	49.0	49.3	51.0	36.8	
5	51.3	(0.8)	50.5	47.5	50.0	48.29	48.5	47.9	48.2	nr	49.7	45.9	2,641	75	3,107	55.0	48.9	53.7	34.0	
6	51.0	(0.7)	50.3	47.7	49.7	48.13	48.1	47.7	47.6	nr	49.1	45.7	2,837	73	3,102	46.0	41.1	44.9	34.5	
7	50.7	(0.8)	49.9	47.5	49.8	48.05	48.0	47.6	47.6	nr	49.1	45.8	2,603	73	3,098	45.0	42.6	45.7	34.3	
8	50.5	(0.8)	49.7	47.3	49.8	47.93	48.0	47.7	47.5	nr	49.3	45.9	2,759	73	3,047	43.5	42.1	44.6	39.2	
9	50.4	(0.8)	49.6	47.3	49.7	48.85	49.0	48.5	47.9	nr	49.7	46.4	2,777	73	2,955	45.0	44.2	47.0	45.8	
10	50.3	(0.8)	49.5	47.2	49.6	48.75	48.6	48.4	48.3	nr	49.5	45.9	3,117	73	3,042	46.5	42.6	46.1	39.2	
11	50.1	(0.7)	49.4	47.2	49.4	49.05	48.8	48.6	48.2	nr	49.2	46.0	3,138	73	3,002	46.0	44.5	47.7	39.2	
12	50.1	(0.7)	49.4	47.3	49.3	48.72	48.2	47.9	47.9	nr	49.0	45.7	3,048	73	2,975	44.0	41.6	46.0	36.6	
13	50.5	(0.9)	49.6	47.5	49.2	48.42	48.5	48.1	47.9	nr	49.3	46.3	2,745	74	2,979	56.5	49.3	53.7	36.6	
14	50.6	(0.7)	49.9	47.6	49.0	48.51	48.6	48.4	48.3	nr	49.2	46.4	2,729	74	2,952	62.0	48.1	56.5	35.7	
15	50.5	(0.6)	49.9	47.6	49.0	48.86	48.6	48.4	48.4	nr	49.1	46.6	2,681	57	2,895	64.5	51.1	59.6	35.1	
16	50.3	(0.6)	49.7	47.8	49.2	48.77	48.3	48.0	48.2	nr	49.2	46.5	2,893	14	2,887	57.0	47.7	58.1	34.4	
17	50.0	(0.6)	49.4	47.7	49.4	48.79	48.5	48.1	48.0	nr	49.3	46.3	2,914	14	2,888	53.0	46.6	50.5	35.2	
18	49.7	(0.7)	49.0	47.6	49.4	48.79	48.4	48.0	48.0	nr	49.4	46.2	2,820	14	2,892	50.5	44.7	50.5	35.8	
19	49.6	(0.7)	48.9	47.6	49.4	48.73	48.6	48.2	48.0	nr	49.4	46.3	2,795	14	2,898	50.5	44.8	49.0	36.5	
20	49.4	(0.6)	48.8	47.5	49.2	48.72	48.4	48.0	48.0	nr	49.3	46.0	2,671	14	2,893	52.5	44.2	50.1	36.1	
21	49.4	(0.7)	48.7	47.5	48.9	48.48	48.1	47.8	47.7	nr	49.0	45.5	2,804	14	2,895	50.5	43.8	49.2	34.5	
22	49.3	(0.6)	48.7	47.6	48.7	48.26	48.2	47.9	47.8	nr	49.0	46.0	2,894	14	2,894	55.5	51.5	57.3	35.1	
23	50.1	(0.8)	49.3	47.7	48.6	48.83	49.0	48.9	48.5	nr	49.0	46.1	2,802	14	2,898	65.0	60.2	61.7	42.7	
24	49.9	(0.5)	49.4	47.6	48.7	49.13	49.4	49.3	49.3	nr	49.1	46.1	3,078	14	2,882	59.5	57.5	60.0	46.2	
25	49.7	(0.6)	49.1	47.5	48.9	49.18	48.9	48.8	49.2	nr	49.0	45.6	2,714	14	2,846	55.0	49.1	54.4	38.0	
26	49.4	(0.6)	48.8	47.5	49.1	48.98	48.9	48.5	48.7	nr	49.2	45.7	2,506	14	2,842	51.5	47.0	51.1	37.5	
27	49.3	(0.7)	48.6	47.5	49.1	49.15	48.7	48.6	48.5	nr	49.0	45.8	3,040	14	3,082	47.5	46.2	50.2	38.8	
28	49.2	(0.6)	48.6	47.4	49.1	49.76	50.0	50.0	49.5	nr	49.7	46.8	3,332	14	3,352	57.0	55.9	56.2	47.3	
29	49.1	(0.6)	48.5	47.2	49.0	50.21	50.5	50.7	50.6	nr	49.3	46.8	3,162	14	3,349	51.5	52.5	52.4	47.4	
30	49.1	(0.7)	48.4	47.1	49.0	49.94	50.1	50.4	50.6	nr	49.4	46.6	2,999	14	3,343	51.0	50.8	52.8	42.2	
31	49.2	(0.8)	48.4	47.2	48.7	49.51	49.1	49.2	49.6	nr	48.8	45.9	3,343	14	3,348	47.5	44.1	48.0	36.0	
Avg	50.1		49.4	47.5	49.4	48.86	48.8	48.6	48.5	#####	49.4	46.1	2,909	42	3,084	51.9	47.3	51.4	38.1	
Tot cfs													90,189	1,313	95,594					
Tot af													178,890	2,604	189,611					

# = 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 1/31/2014  
 Starting May 17, 2013 Balls Ferry temperature target of 56.75 is for compliance of 56.0 at Airport Road.