

1/15/2014

Temperature and Release Summary for Shasta and Trinity - December 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 12/31 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Nfh	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Nov	55.1		54.4	54.3	53.7	52.82	52.9	53.0	53.0	47.2	53.7	52.4	46.7	3,823	256	4,363	54.2	51.2	53.9	43.2	
Dec																					
1	54.4	(0.8)	53.6	53.9	53.2	52.29	52.4	52.5	52.5	nr	53.2	51.6	44.0	3,315	109	3,891	54.0	49.1	51.9	40.2	
2	54.0	(0.6)	53.4	53.8	53.1	52.08	52.0	52.0	52.0	nr	52.6	51.3	45.0	3,424	85	3,996	46.5	46.8	48.1	46.2	
3	54.0	(0.4)	53.6	53.3	52.9	51.76	51.5	51.4	51.3	nr	52.3	50.9	44.5	3,402	81	4,068	45.5	46.9	48.4	36.3	
4	54.1	(0.9)	53.2	53.0	52.4	49.48	48.6	48.3	48.5	nr	50.8	49.7	41.3	3,346	80	4,066	41.0	39.5	39.9	25.3	
5	53.5	(0.4)	53.1	52.6	51.9	48.19	47.8	47.1	46.6	nr	50.4	49.5	38.0	3,182	80	4,064	37.5	32.3	35.2	22.4	
6	53.2	(0.3)	52.9	52.2	51.4	47.81	47.3	46.8	46.0	nr	49.7	49.0	36.6	3,634	80	4,067	30.5	31.1	33.1	25.0	
7	53.1	(0.3)	52.8	51.8	51.4	47.97	47.7	47.3	46.5	nr	50.0	49.0	37.2	3,239	80	4,057	33.5	34.3	34.9	24.8	
8	53.2	(0.5)	52.7	51.4	51.2	47.60	47.0	46.5	46.1	nr	49.6	47.6	36.6	3,032	80	3,967	34.5	30.0	32.7	20.6	
9	53.0	(0.5)	52.5	51.0	51.0	47.22	46.5	46.0	45.3	nr	49.4	47.6	36.2	3,362	80	3,974	40.0	37.4	37.8	23.8	
10	52.7	(0.5)	52.2	50.7	50.9	47.03	47.1	46.5	45.6	nr	49.7	47.2	36.6	3,027	80	3,986	40.0	34.1	37.0	27.8	
11	53.7	(0.8)	52.9	50.5	51.0	47.23	48.1	47.3	46.6	nr	50.1	47.7	38.4	3,061	80	4,047	45.0	38.5	39.1	31.1	
12	54.4	(0.7)	53.7	50.3	51.1	47.64	48.2	47.6	47.4	nr	50.2	47.2	39.5	3,083	78	3,990	42.5	37.8	41.5	33.0	
13	54.2	(0.6)	53.6	49.8	51.4	47.71	48.6	48.0	47.7	nr	50.5	46.9	40.2	3,195	78	3,993	46.5	40.4	45.4	32.8	
14	53.9	(0.5)	53.4	49.5	52.2	48.30	49.0	48.4	48.1	nr	51.2	46.9	39.9	3,117	78	3,995	45.5	39.9	43.5	33.0	
15	53.6	(0.5)	53.1	49.3	52.5	48.54	49.4	48.8	48.4	nr	51.5	46.1	39.7	3,008	78	3,991	45.5	39.5	43.4	32.7	
16	53.7	(0.7)	53.0	48.7	52.6	48.73	49.6	49.0	48.7	nr	51.8	46.2	39.4	3,190	77	3,992	52.0	43.2	45.2	33.3	
17	53.4	(0.6)	52.8	48.6	52.5	49.26	50.1	49.6	49.2	nr	51.7	46.1	39.2	3,065	77	3,990	47.5	41.7	45.9	34.3	
18	53.2	(0.7)	52.5	48.3	52.4	49.18	50.0	49.5	49.4	nr	51.6	46.1	39.6	3,033	77	3,993	47.5	42.9	47.5	33.3	
19	53.3	(1.0)	52.3	48.6	52.1	49.65	49.7	49.3	48.9	nr	51.3	46.0	39.2	3,223	77	3,925	50.0	51.1	51.9	32.6	
20	52.9	(0.6)	52.3	49.1	51.7	48.63	48.8	48.2	47.9	nr	50.9	45.6	38.5	3,469	77	3,834	52.0	50.3	50.9	31.0	
21	52.6	(1.2)	51.4	48.6	51.6	49.28	49.6	49.1	48.7	nr	51.1	46.0	39.5	3,209	77	3,844	46.5	43.5	47.6	36.2	
22	52.4	(0.6)	51.8	48.2	51.8	49.63	50.1	49.8	49.7	nr	51.5	46.4	40.3	3,170	77	3,843	57.5	52.4	55.8	35.8	
23	52.4	(0.7)	51.7	48.1	51.6	49.75	50.3	50.0	50.0	nr	51.4	46.4	41.2	3,692	77	3,838	48.0	43.9	47.0	36.2	
24	52.5	(0.8)	51.7	48.1	51.5	49.66	50.0	49.8	50.0	nr	51.2	46.5	41.4	3,393	77	3,858	53.0	46.8	53.4	34.2	
25	52.5	(0.6)	51.9	48.3	51.3	49.40	49.7	49.3	49.5	nr	50.9	46.1	41.0	3,198	77	3,885	51.0	43.7	48.2	32.7	
26	52.1	(0.5)	51.6	48.5	51.2	49.10	49.2	48.8	48.9	nr	50.6	45.8	39.5	3,271	77	3,821	48.5	41.8	46.5	32.4	
27	52.0	(0.8)	51.2	47.9	51.2	48.72	48.7	48.2	48.1	nr	50.1	45.8	38.7	3,363	77	3,787	41.5	36.6	40.8	31.5	
28	52.1	(0.9)	51.2	47.8	51.0	48.53	48.5	48.0	47.8	nr	50.3	46.1	38.6	3,325	77	3,794	48.0	47.1	50.8	32.2	
29	52.2	(0.7)	51.5	48.0	50.8	49.27	49.3	48.8	48.5	nr	50.5	46.3	38.5	3,031	77	3,651	54.0	48.4	52.9	32.2	
30	51.7	(0.6)	51.1	48.0	50.6	49.12	48.9	48.7	48.8	nr	49.9	46.0	38.6	3,187	77	3,628	45.5	41.3	46.1	34.0	
31	51.5	(0.7)	50.8	47.7	50.7	48.88	49.0	48.6	48.6	nr	50.3	46.2	39.8	2,941	77	3,794	50.0	44.0	47.9	35.7	
Avg	53.1		52.4	49.9	51.7	48.96	49.1	48.7	48.4	#####	50.8	47.3		3,232	79	3,924	45.8	41.8	44.8	32.0	
Tot cfs														100,187	2,459	121,629					
Tot af														198,721	4,877	241,251					

= 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 12/31/2013.
 Starting May 17, 2013 Balls Ferry temperature target of 56.75 is for compliance of 56.0 at Airport Road.