

12/6/2013

Temperature and Release Summary for Shasta and Trinity - November 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 11/30 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Nfh	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Oct	54.8		54.8	54.6	54.3	55.50	55.7	55.8	56.4	49.0	55.1	54.0	54.0	5,337	910	6,084	62.4	57.8	60.8	50.0	
Nov																					
1	53.6	0.2	53.8	54.3	54.0	55.33	55.2	55.5	55.6	47.9	54.8	53.2	49.5	6,198	83	5,658	57.0	52.8	55.8	48.8	
2	54.0	(0.1)	53.9	53.7	53.6	54.58	54.3	54.7	55.2	47.8	54.1	52.8	49.5	5,264	586	5,536	57.0	53.2	55.9	46.5	
3	54.2	0.2	54.4	53.7	53.1	53.23	52.8	53.1	53.3	46.7	52.9	52.1	47.6	4,608	565	5,146	53.0	54.4	55.7	37.5	
4	54.3	(0.2)	54.1	53.8	53.2	52.56	52.2	52.2	52.0	46.0	53.1	52.2	46.2	4,848	606	5,195	54.5	53.9	56.8	37.8	
5	54.8	(0.6)	54.2	54.1	53.3	53.23	53.2	53.3	53.2	46.8	53.6	52.5	46.6	4,431	622	4,924	60.5	54.8	57.8	44.5	
6	54.9	(0.5)	54.4	53.9	53.5	53.71	53.8	54.1	54.2	47.8	53.9	53.0	48.1	4,615	447	4,786	58.0	54.9	56.5	49.9	
7	54.8	(0.5)	54.3	54.1	53.8	54.34	54.4	54.6	54.8	48.2	54.2	53.0	50.2	4,309	724	4,628	60.0	55.9	58.6	53.6	
8	55.1	(0.7)	54.4	54.1	54.0	53.57	54.1	54.4	54.8	47.9	54.5	52.6	50.5	4,122	740	4,583	57.0	53.0	56.1	49.2	
9	55.1	(0.3)	54.8	54.1	54.0	52.95	54.1	54.2	54.6	47.1	54.5	52.5	48.5	3,788	575	4,722	58.0	52.5	56.5	44.5	
10	55.0	(0.4)	54.6	54.4	54.0	53.23	54.0	54.2	54.5	47.3	54.3	52.5	47.9	4,109	111	4,665	56.5	51.3	55.1	46.3	
11	55.2	(0.6)	54.6	54.2	54.2	52.81	53.6	53.8	54.0	47.4	54.2	52.3	47.6	3,843	107	4,618	53.5	49.4	53.8	47.0	
12	55.5	(0.6)	54.9	54.3	54.1	53.93	54.5	54.6	54.5	48.4	54.6	53.0	48.7	3,813	125	4,478	62.5	57.2	59.9	53.1	
13	55.6	(0.8)	54.8	54.5	54.2	53.34	54.3	54.5	55.0	47.6	54.8	53.1	49.1	4,238	88	4,420	62.0	56.8	62.5	46.2	
14	55.4	(1.1)	54.3	54.4	54.3	53.67	54.5	54.8	54.9	47.6	54.9	52.9	48.2	4,196	115	4,158	56.0	53.8	58.8	45.2	
15	55.7	(1.3)	54.4	54.3	54.3	53.54	53.8	54.0	54.2	47.2	54.4	52.5	47.3	3,796	128	3,920	55.5	55.5	57.5	41.2	
16	55.7	(1.2)	54.5	54.2	54.0	53.33	53.5	53.5	53.6	47.5	54.1	52.5	47.1	3,741	202	3,848	51.5	51.8	52.0	46.5	
17	56.0	(1.3)	54.7	54.5	53.9	52.77	52.9	52.9	53.2	47.3	53.5	52.2	46.6	3,233	90	3,792	48.0	45.7	48.5	39.5	
18	55.9	(0.8)	55.1	54.3	53.8	52.52	52.2	52.3	52.2	47.7	53.0	52.1	45.7	3,139	115	3,962	45.0	44.4	47.0	41.5	
19	56.1	(1.1)	55.0	54.3	53.8	53.07	52.9	52.9	52.5	48.1	53.5	52.9	47.5	2,998	214	3,998	49.5	50.2	51.7	45.9	
20	56.1	(1.0)	55.1	54.6	54.0	53.67	53.5	53.8	53.5	48.6	54.1	53.4	49.0	3,185	119	3,985	53.5	52.8	53.4	48.0	
21	56.1	(1.0)	55.1	54.5	53.9	52.44	51.6	51.7	52.1	46.8	53.0	52.0	48.1	3,065	128	4,006	52.5	51.5	52.4	41.5	
22	55.9	(1.0)	54.9	54.6	53.7	50.60	50.0	49.6	49.4	46.1	52.8	51.8	45.1	3,016	121	4,006	61.0	59.2	59.6	41.6	
23	56.0	(1.2)	54.8	54.6	53.7	51.37	51.2	50.8	50.1	46.0	53.1	52.1	43.2	3,081	189	3,965	54.5	57.4	54.9	39.2	
24	55.6	(0.9)	54.7	54.6	53.5	51.29	51.3	51.1	50.9	45.7	52.9	51.6	42.5	3,233	167	3,909	46.0	41.8	45.2	33.9	
25	55.0	(0.5)	54.5	54.7	53.5	51.12	51.0	50.8	50.7	45.7	52.7	51.4	42.0	3,412	120	3,913	44.5	40.8	44.8	34.5	
26	54.5	(0.6)	53.9	54.4	53.4	51.18	51.1	50.9	50.6	nr	52.8	51.9	42.2	3,381	100	3,960	46.5	41.8	45.5	37.1	
27	54.7	(0.7)	54.0	54.2	53.4	51.59	51.6	51.4	50.8	nr	52.9	52.1	43.9	3,240	118	4,039	50.5	45.3	47.8	39.5	
28	54.3	(0.7)	53.6	54.2	53.3	51.77	52.0	52.0	51.7	nr	53.1	52.0	44.5	3,264	101	4,033	54.0	46.7	52.5	38.6	
29	53.9	0.0	53.9	54.4	53.3	51.83	51.9	51.8	51.8	nr	52.9	51.6	43.6	3,246	89	4,047	52.5	47.0	50.5	38.5	
30	54.1	(0.5)	53.6	53.7	53.2	52.12	52.4	52.3	52.1	nr	53.2	51.6	43.9	3,288	175	3,983	56.0	50.6	53.0	39.5	
		0.0																			
Avg	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	
Tot cfs														114,700	7,670	130,883					
Tot af														227,507	15,213	259,606					

= 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 11/30/2013
 Starting May 17, 2013 Balls Ferry temperature target of 56.75 is for compliance of 56.0 at Airport Road.