

1/9/2013

Temperature and Release Summary for Shasta and Trinity - December 2012

(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 Pnt 4/16 to 5/31 10/1 to 12/31 Bsf	Control Point 6/1 to 9/30 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Nfh	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Nov	53.9		53.3	55.7	53.1	53.2	53.3	53.3	53.3	47.3	53.3	53.5	48.5	4,856	205	5,882	53.7	51.2	53.6	45.6	
Dec																					
1	55.7	(0.5)	55.2	54.2	54.3	55.0	54.5	54.5	55.0	47.2	54.5	53.6	47.5	1,867	1,659	4,719	57.5	58.1	57.8	49.6	
2	55.4	(0.3)	55.1	54.2	54.7	55.4	54.9	55.1	55.6	46.6	55.2	53.3	47.6	1,003	1,146	4,977	51.5	55.0	55.5	45.2	
3	55.4	(0.7)	54.7	53.9	54.6	53.3	52.0	52.1	52.8	46.5	54.4	51.5	46.2	2,124	1,783	4,888	48.5	48.1	50.5	41.5	
4	54.8	(0.7)	54.1	54.0	54.7	53.8	52.9	52.8	52.6	46.5	54.4	52.2	46.3	3,234	538	4,744	50.5	49.8	51.0	44.0	
5	54.5	(0.7)	53.8	53.6	54.5	53.4	52.7	52.6	52.7	47.0	54.6	52.8	47.3	1,246	1,883	4,738	52.5	52.4	52.8	46.8	
6	54.2	(0.8)	53.4	53.4	54.1	54.3	53.8	53.6	53.5	46.8	54.4	51.4	47.9	3,050	1,448	4,743	52.5	52.5	54.6	43.5	
7	53.7	(0.8)	52.9	nd	53.5	52.9	51.9	51.9	52.3	46.2	53.5	50.1	46.3	2,102	1,443	4,754	50.5	44.5	48.0	39.3	
8	53.6	(0.8)	52.8	nd	53.1	51.8	50.7	50.5	50.4	46.0	53.0	49.9	44.9	2,219	931	4,752	48.0	45.4	49.5	36.9	
9	53.6	(0.6)	53.0	nd	52.6	51.7	51.0	50.7	50.2	45.8	52.9	50.3	44.7	3,961	654	4,616	55.0	55.0	55.5	37.2	
10	53.6	(0.9)	52.7	nd	52.3	52.0	51.6	51.3	51.0	46.1	52.8	50.5	44.8	4,699	82	4,699	58.0	54.8	57.6	37.5	
11	53.4	(0.6)	52.8	nd	52.4	51.3	50.8	50.7	50.7	45.9	52.0	49.7	45.0	3,196	82	4,568	42.5	43.4	45.9	37.8	
12	52.8	(0.5)	52.3	nd	52.3	51.4	50.9	50.5	50.4	45.1	52.3	49.1	44.5	4,034	82	4,562	44.0	45.7	47.9	35.1	
13	53.5	(0.8)	52.7	nd	52.0	50.4	49.7	49.5	49.5	44.8	51.6	48.0	43.6	3,912	81	4,550	42.0	39.5	42.2	33.5	
14	52.8	(0.8)	52.0	nd	51.4	49.8	49.0	48.6	48.3	44.7	51.0	48.2	42.6	3,988	157	4,553	39.0	37.9	40.0	34.2	
15	52.4	0.0	52.4	nd	51.5	48.9	48.0	47.7	47.4	44.1	50.1	47.5	41.5	4,106	82	4,575	31.0	32.8	36.2	32.4	
16	52.4	(0.5)	51.9	nd	51.2	47.6	47.4	47.1	46.6	43.7	50.4	47.7	40.6	4,095	81	4,552	41.5	40.7	41.7	33.2	
17	52.9	(0.8)	52.1	nd	51.4	48.0	47.7	47.3	47.2	43.7	51.1	48.3	41.6	4,147	72	4,552	46.5	49.4	50.3	35.7	
18	53.0	(0.9)	52.1	nd	51.0	48.4	47.6	47.4	47.1	43.0	50.5	46.9	41.0	2,944	1,431	4,558	40.0	36.7	41.1	30.5	
19	53.3	(1.1)	52.2	nd	50.5	47.6	46.5	46.2	45.8	42.9	49.6	46.6	40.0	2,366	1,662	4,569	34.0	33.7	36.7	30.8	
20	52.8	(0.7)	52.1	nd	50.3	48.1	47.2	46.8	45.7	41.5	49.6	46.9	39.8	2,265	1,381	4,569	42.0	41.8	43.1	33.8	
21	52.7	(0.8)	51.9	nd	49.9	44.3	44.0	43.9	44.5	41.2	48.5	45.1	38.5	2,745	1,607	4,367	36.0	36.3	42.3	33.7	
22	52.3	(0.5)	51.8	nd	49.8	44.4	43.9	43.5	43.1	41.6	49.1	46.8	39.3	1,534	2,272	4,669	45.0	47.5	48.2	34.7	
23	51.9	(0.4)	51.5	nd	49.5	46.6	46.3	46.0	45.8	41.9	49.3	46.9	40.7	1,502	2,041	4,733	45.0	48.4	48.5	34.7	
24	52.5	(0.9)	51.6	nd	49.5	46.5	46.1	45.9	45.7	42.1	49.4	46.1	41.5	2,007	1,382	4,756	42.5	40.6	43.8	33.9	
25	52.1	(0.5)	51.6	nd	49.4	47.0	46.5	46.3	45.9	42.2	49.0	45.6	41.5	2,224	1,389	4,756	38.5	37.6	40.0	33.4	
26	52.0	(0.5)	51.5	nd	49.1	46.1	45.3	45.1	45.0	43.1	49.0	45.4	40.5	2,265	1,544	4,750	39.0	40.2	40.8	34.8	
27	51.5	(0.3)	51.2	nd	49.2	46.8	46.0	45.8	45.5	43.3	48.9	44.9	41.7	2,313	1,709	4,728	41.0	38.9	40.9	34.1	
28	51.6	(0.9)	50.7	nd	48.7	46.7	45.7	45.5	45.0	43.3	48.2	44.5	41.9	2,266	1,975	4,659	34.5	34.8	36.7	34.0	
29	51.2	(0.6)	50.6	nd	48.6	46.9	46.1	45.8	45.1	43.6	48.7	45.0	42.1	2,131	1,911	4,671	42.0	38.0	41.0	34.9	
30	51.1	(0.6)	50.5	nd	48.4	47.1	46.3	46.1	45.5	43.5	48.2	44.5	42.5	2,499	1,523	4,646	44.0	40.6	42.7	34.6	
31	51.2	(0.9)	50.3	nd	48.3	46.6	45.7	45.4	44.9	43.4	47.9	44.0	41.7	2,434	1,739	4,669	40.0	36.5	39.1	32.5	
Avg	53.0		52.4	53.9	51.4	49.5	48.8	48.6	48.4	44.3	51.1	48.2	43.1	2,725	1,154	4,666	44.3	43.8	45.9	36.6	
Tot cfs														84,478	35,770	144,642					
Tot af														167,562	70,950	286,897					

# = 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 4/16/2012 to 5/31/2012; Jellys Ferry 6/1/2012 to 9/30/2012; Balls Ferry 10/01/2012 to 12/31/2012

Note: On 12/7/2012 at the temperature point for the Spring Creek Power Plant (SPP), the bottom section of metal pipe was torn off the wall. Sonde missing and cable severely damaged.