

4/6/2011

Temperature and Release Summary for Shasta and Trinity - March 2011

(Updated twice a week November through March)

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 3/31 Bsf	Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Feb Avg	50.7		50.0	47.4	49.8	49.2	48.9	49.0	49.0	43.9	50.0	45.7	7,072	374	8,029	47.4	44.9	46.1	38.9	
Mar																				
1	48.5	(0.7)	47.8	? 46.6	47.3	47.7	47.2	47.3	47.3	44.8	48.4	45.7	3,615	390	3,904	45.5	46.7	48.2	44.4	
2	48.3	(0.5)	47.8	? 46.5	47.4	48.2	48.2	49.0	48.9	44.8	48.1	46.2	2,556	392	3,877	50.0	50.7	50.3	43.0	
3	48.4	(0.5)	47.9	? 46.4	47.7	49.0	48.7	49.0	49.0	44.9	48.6	47.0	2,341	529	3,949	51.0	51.1	52.2	42.5	
4	48.4	0.6	49.0	46.5	48.0	49.1	49.1	49.7	50.1	45.2	48.7	46.9	2,832	591	3,829	49.5	49.3	50.9	46.0	
5	48.6	0.6	49.2	47.8	48.1	49.8	49.9	50.4	50.4	45.2	48.6	47.5	2,725	412	3,891	52.0	51.7	52.5	45.3	
6	48.7	0.4	49.1	48.4	48.2	50.0	49.9	50.5	50.8	45.6	48.9	47.8	2,755	564	3,845	52.5	51.5	51.8	48.3	
7	48.7	(1.0)	47.7	47.5	48.4	49.8	49.8	50.3	50.5	45.5	49.0	47.0	3,476	252	3,838	50.5	50.5	52.3	44.0	
8	48.8	(1.0)	47.8	48.7	48.5	49.8	49.7	50.4	50.9	45.7	49.0	47.1	3,036	534	3,836	52.5	51.3	52.6	44.4	
9	48.9	1.3	50.2	48.1	48.4	50.3	50.4	51.0	51.5	46.3	49.2	47.5	3,528	451	3,849	56.5	54.5	55.4	48.8	
10	48.7	(0.6)	48.1	47.3	? 48.5	50.7	50.8	51.4	52.1	46.2	49.3	47.9	3,995	284	3,835	54.5	52.6	54.4	43.2	
11	48.9	(0.8)	48.1	47.1	? 48.6	50.3	50.4	50.9	52.0	46.6	49.5	47.5	3,414	595	3,826	52.0	50.8	52.6	43.4	
12	48.9	(0.4)	48.5	47.2	? 48.5	50.0	50.1	50.4	51.4	46.6	48.9	47.3	2,100	830	3,880	49.0	49.4	50.6	40.8	
13	49.0	(0.9)	48.1	45.3	? 48.3	49.5	49.6	49.8	50.7	47.0	48.5	47.3	3,029	370	3,812	51.5	51.1	52.1	44.0	
14	48.8	(0.9)	47.9	46.9	? 48.4	50.0	49.6	49.8	50.8	47.4	49.0	47.8	2,622	996	4,056	50.5	53.8	55.5	43.4	
15	48.6	(0.9)	47.7	47.5	? 48.3	49.8	49.7	49.9	50.7	47.4	48.5	48.7	11,231	1,096	13,593	53.0	54.4	55.1	44.8	
16	48.6	(0.8)	47.8	47.3	? 48.0	49.7	49.5	49.5	50.2	47.5	48.2	49.1	10,810	1,463	18,360	49.5	51.8	53.0	41.6	
17	48.7	(1.0)	47.7	47.5	? 47.9	48.3	48.0	48.2	49.2	47.3	48.0	47.0	12,286	958	24,406	46.0	45.7	45.9	38.4	
18	48.2	(0.7)	47.5	47.4	? 47.7	48.0	47.7	47.8	48.4	47.4	47.7	47.5	14,910	1,224	29,102	46.0	48.0	47.3	40.1	
19	48.1	0.3	48.4	47.3	? 47.5	47.2	46.9	46.9	47.2	47.2	47.4	46.8	15,043	1,534	36,203	42.5	43.8	44.2	36.3	
20	48.1	0.8	48.9	47.2	? 47.5	47.3	46.8	46.8	47.2	46.4	47.4	46.8	15,002	1,880	36,485	46.0	47.9	48.0	38.0	
21	48.2	(0.2)	48.0	47.1	? 47.6	48.1	47.9	47.9	48.5	47.3	47.6	48.0	15,118	1,890	43,198	47.5	47.1	47.6	41.2	
22	48.2	(0.8)	47.4	47.2	? 47.6	47.9	47.8	47.8	48.5	46.8	47.6	47.8	15,004	1,927	46,250	47.6	47.7	48.9	39.0	
23	48.3	(0.3)	48.0	47.1	? 47.7	47.9	47.8	47.8	48.5	46.5	47.6	47.5	15,236	1,833	37,737	46.5	48.9	48.6	39.4	
24	48.0	(0.8)	47.2	46.5	? 47.6	47.7	47.5	47.5	48.0	46.2	47.6	47.2	14,972	1,868	20,292	45.0	46.6	46.1	39.4	
25	48.1	(0.9)	47.2	46.0	? 47.4	47.3	47.2	47.2	47.6	46.7	47.3	47.7	14,916	1,938	25,267	46.5	48.9	48.3	41.1	
26	48.2	0.2	? 48.4	46.9	? 47.6	47.9	47.7	47.7	48.1	46.8	47.6	47.8	15,128	1,969	39,599	48.0	47.5	48.2	41.1	
27	48.3	(0.2)	? 48.1	47.0	? 47.6	48.0	47.9	47.9	48.5	46.9	47.6	47.6	15,339	2,006	37,916	47.0	47.7	48.8	42.6	
28	48.3	(0.7)	? 47.6	47.0	? 47.6	48.3	48.1	48.1	48.8	47.1	47.7	48.1	14,945	2,026	40,691	50.5	49.5	49.8	43.7	
29	48.6	(1.2)	? 47.4	47.2	? 47.7	48.5	48.6	48.6	49.5	47.1	47.8	48.8	15,476	2,018	47,636	54.5	53.5	55.8	46.7	
30	48.8	(1.1)	? 47.7	47.7	? 48.0	48.9	49.0	49.1	50.0	47.6	48.1	50.2	15,668	2,018	45,702	63.0	61.6	64.0	53.6	
31	49.2	(1.2)	? 48.0	48.1	? 48.3	49.3	49.6	49.6	50.7	47.8	48.4	50.8	15,625	2,013	45,105	69.5	64.3	67.3	53.4	
Avg	48.5		48.1	47.2	47.9	48.8	48.7	49.0	49.5	46.5	48.3	47.7	9,314	1,189	20,702	50.5	50.6	51.6	43.3	
Tot cfs													288,733	36,851	641,769					
Tot af													572,702	73,094	1,272,949					

# = 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 3/01/2011 to 3/31/2011.

NOTE: Many of the hourly readings for SPP are questionable based on low generation.  
 Many hourly readings for SHD are questionable. It looks like some readings may actually be air temperatures.