

3/12/2013

Temperature and Release Summary for Shasta and Trinity - February 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	Cntrl Pnt 4/16 to 5/31 10/1 to 2/28 Bsf	Control Point 6/1 to 9/30 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation EI 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS	
Jan	49.2		47.9	nd	47.7	46.6	46.1	46.1	45.9	42.4	47.7	43.5	3,593	458	4,533	44.9	41.2	43.9	34.5	
Feb																				
1	48.9	(1.5)	47.4	nd	47.2	46.9	46.8	46.9	47.3	42.2	47.5	43.3	4,140	154	4,565	49.0	45.4	48.8	37.5	
2	49.0	(1.2)	47.8	nd	47.6	47.4	47.3	47.4	47.5	42.6	47.7	43.4	4,377	80	4,557	49.5	46.0	49.2	38.0	
3	49.0	(1.3)	47.7	nd	48.0	47.8	47.5	47.5	47.7	42.5	48.4	43.5	3,455	80	4,453	50.5	46.3	50.6	38.0	
4	48.8	(2.6)	46.2	nd	48.0	48.4	48.3	48.3	48.4	42.9	48.4	43.9	4,491	80	4,389	48.5	46.4	49.0	40.0	
5	48.6	(0.8)	47.8	nd	47.9	48.4	48.3	48.4	48.5	43.1	48.4	44.0	3,151	456	4,487	47.5	45.9	46.1	39.7	
6	48.6	(1.8)	46.8	nd	47.7	48.0	47.9	48.0	48.5	43.0	48.1	43.7	4,354	80	4,494	44.5	43.9	46.5	37.3	
7	48.3	(1.0)	47.3	nd	47.7	48.4	48.3	48.4	48.3	43.3	48.2	44.2	4,052	80	4,575	45.0	46.8	46.9	38.2	
8	48.4	(0.9)	47.5	nd	47.9	47.9	47.9	48.0	48.4	43.3	48.3	44.0	3,806	80	4,472	44.0	44.4	46.2	37.5	
9	48.6	(0.8)	47.8	nd	47.6	47.5	47.2	47.3	47.5	42.6	48.0	43.6	3,810	80	4,315	48.5	47.5	48.8	33.7	
10	48.5	(1.2)	47.3	nd	47.4	47.6	47.3	47.3	47.4	43.1	48.0	43.8	3,389	80	4,139	48.5	47.1	49.4	36.7	
11	48.5	(1.3)	47.2	nd	47.6	47.7	47.6	47.7	47.9	43.3	48.1	43.8	3,725	80	4,172	52.0	48.7	50.9	37.8	
12	48.4	(2.2)	46.2	nd	47.7	48.0	47.9	47.9	48.1	43.5	48.4	44.1	3,593	80	4,089	49.5	46.2	46.5	38.5	
13	48.4	(0.9)	47.5	nd	47.8	48.4	48.3	48.3	48.6	43.9	48.6	44.6	3,596	80	4,000	52.5	50.4	51.8	40.1	
14	48.5	(0.8)	47.7	nd	48.0	49.3	49.3	49.6	49.7	44.4	48.9	45.1	4,139	80	3,892	62.5	59.8	59.0	43.2	
15	48.6	(0.8)	47.8	nd	48.0	49.3	49.3	49.8	50.4	44.4	48.9	45.0	4,071	80	3,893	55.0	51.1	56.1	42.5	
16	48.2	(0.7)	47.5	nd	48.0	49.0	49.0	49.5	50.2	44.6	48.7	44.7	3,343	80	3,890	52.0	48.9	52.0	42.2	
17	48.2	(0.7)	47.5	nd	48.2	48.8	48.8	49.2	49.7	44.6	48.6	44.7	2,808	80	3,887	51.5	47.7	50.4	39.5	
18	48.3	(0.9)	47.4	nd	47.9	48.2	48.0	48.5	49.0	44.3	48.1	44.3	3,372	349	3,894	43.0	44.4	46.1	36.9	
19	47.9	(0.9)	47.0	nd	47.4	48.0	47.6	48.0	48.1	44.4	47.7	44.6	3,319	80	3,903	42.5	43.5	43.9	35.0	
20	48.0	(0.8)	47.2	nd	47.4	47.3	46.9	47.3	47.8	44.6	47.8	44.4	3,437	80	3,898	47.0	43.9	46.6	35.7	
21	48.1	(0.8)	47.3	nd	47.2	47.7	47.3	47.7	47.9	44.6	47.8	44.6	3,480	80	3,898	45.5	44.5	47.9	37.6	
22	48.1	(0.8)	47.3	nd	47.2	48.1	47.9	48.3	48.6	45.2	47.9	45.2	3,203	80	3,901	49.0	49.2	50.7	41.5	
23	48.1	(0.9)	47.2	nd	47.5	48.5	48.4	48.9	49.2	45.1	48.0	45.2	3,535	80	3,900	49.0	49.6	50.8	40.5	
24	48.1	(0.8)	47.3	nd	47.6	48.0	47.8	48.2	48.8	44.8	48.0	44.9	3,385	80	3,892	52.0	49.3	50.1	37.7	
25	48.1	(0.9)	47.2	nd	47.4	48.7	48.5	48.9	49.2	45.0	48.3	45.3	3,835	83	3,905	49.0	48.3	51.0	40.4	
26	48.2	(0.9)	47.3	nd	47.7	48.3	48.3	48.9	49.5	44.9	48.1	45.0	3,036	80	3,905	52.0	49.7	51.0	37.8	
27	48.0	(1.3)	46.7	nd	47.6	48.6	48.4	48.8	49.3	45.3	48.4	45.5	3,804	80	3,917	48.5	47.3	50.8	42.4	
28	47.7	(0.7)	47.0	nd	47.9	50.0	50.0	50.5	50.7	46.7	48.9	46.6	3,324	80	3,904	56.5	54.9	56.3	50.2	
		0.0																		
		0.0																		
		0.0																		
Avg	48.4		47.3	#####	47.7	48.2	48.1	48.3	48.7	44.0	48.2	44.5	3,644	106	4,114	49.4	47.8	49.8	39.1	
Tot cfs													102,030	2,962	115,186					
Tot af													202,377	5,875	228,471					

# = 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 2/28/2013

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.

Note: There are times when the SHD probe appears to be out of the water, so it measures air temperature. USBR Northern California Area Office is checking into it.