

2/7/2013

## Temperature and Release Summary for Shasta and Trinity - January 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 1/31 Bsf	Control Point 6/1 to 9/30 Jlf	Bnd	Rdb	Lws	Ccr	Igo	Shasta Generation El 815	Spring Crk Powerplant Release	Keswick Total Release	RDD	BSF	RDB	LWS
Dec	53.0		52.4	53.9	51.4	49.5	48.8	48.6	48.4	44.3	51.1	48.2	2,725	1,154	4,666	44.3	43.8	45.9	36.6
Jan																			
1	51.0	(0.9)	50.1	nd	48.1	46.3	45.3	45.0	44.5	43.0	47.8	43.8	1,942	1,987	4,665	40.5	36.5	40.2	31.8
2	51.0	(0.9)	50.1	nd	47.8	46.3	45.3	45.0	44.5	43.1	47.6	43.6	2,470	1,852	4,656	42.0	36.8	40.8	31.2
3	50.1	(0.4)	49.7	nd	47.7	46.2	45.3	45.0	44.5	43.5	47.4	43.7	2,013	1,865	4,572	39.0	36.6	38.8	33.7
4	50.5	(1.0)	49.5	nd	47.7	46.1	45.5	45.3	44.9	43.4	47.5	43.9	2,568	1,792	4,558	41.5	37.8	41.5	33.5
5	49.9	(0.7)	49.2	nd	47.9	46.0	45.6	45.5	45.0	43.7	47.3	44.2	2,762	821	4,563	37.5	38.0	40.7	36.1
6	50.4	(1.4)	49.0	nd	48.2	47.4	46.9	46.6	46.0	44.0	48.3	44.8	2,606	789	4,570	48.0	44.4	45.5	36.8
7	50.5	(1.7)	48.8	nd	48.2	47.5	47.1	47.0	46.8	44.3	48.4	44.7	3,614	725	4,579	49.5	43.9	46.7	38.9
8	50.4	(1.5)	48.9	nd	48.5	47.8	47.4	47.4	47.2	44.5	48.7	45.0	3,090	653	4,523	47.5	44.1	44.8	38.8
9	50.0	(1.9)	48.1	nd	48.6	47.7	47.5	47.5	47.4	44.1	48.4	45.0	3,129	718	4,438	39.5	42.0	42.5	36.6
10	49.6	(2.6)	47.0	nd	48.4	46.4	46.0	46.0	46.2	42.8	48.0	43.4	5,621	82	4,465	37.0	34.9	39.0	32.4
11	49.4	(1.0)	48.4	nd	48.4	46.0	45.3	45.2	45.1	42.8	47.9	43.0	4,070	81	4,572	35.5	33.2	37.4	33.5
12	49.3	(0.9)	48.4	nd	48.1	45.6	44.9	44.8	44.5	42.6	47.5	42.9	3,254	241	4,582	36.5	34.7	36.5	29.0
13	49.3	(0.9)	48.4	nd	47.7	44.9	44.1	44.0	43.7	41.9	47.0	42.5	3,422	81	4,574	40.5	34.3	37.2	26.1
14	49.3	(2.3)	47.0	nd	47.4	44.7	43.7	43.5	43.1	41.6	46.9	42.8	3,929	67	4,471	43.5	40.2	40.6	26.7
15	49.1	(1.1)	48.0	nd	47.7	45.4	44.6	44.4	43.9	41.5	47.5	43.1	3,424	136	4,455	42.0	38.4	40.0	29.6
16	49.1	(1.0)	48.1	nd	47.9	46.1	45.5	45.2	44.8	41.9	47.9	43.6	4,416	56	4,423	49.0	40.9	42.0	31.9
17	49.4	(0.9)	48.5	nd	48.1	46.5	46.0	45.9	45.5	41.5	48.1	43.5	4,367	56	4,406	49.5	42.8	43.0	31.0
18	49.1	(1.1)	48.0	nd	48.0	46.5	46.1	46.0	45.9	41.6	47.9	42.9	4,570	54	4,410	47.0	40.0	43.9	32.0
19	48.9	(1.1)	47.8	nd	48.1	46.4	45.9	45.8	45.7	41.4	48.0	42.5	4,122	44	4,443	48.0	39.5	44.1	31.7
20	48.6	(1.0)	47.6	nd	47.9	46.4	45.9	45.8	45.7	41.2	47.9	42.4	3,428	44	4,496	48.0	40.4	45.0	32.0
21	48.5	(0.2)	48.3	nd	47.6	46.4	45.9	45.9	45.8	41.1	47.7	42.4	2,901	700	4,541	47.0	39.6	43.5	32.8
22	48.2	(1.9)	46.3	nd	47.1	46.3	45.9	45.9	45.9	41.5	47.3	42.7	4,867	44	4,559	44.0	40.0	45.0	34.1
23	48.2	(1.1)	47.1	nd	47.3	46.4	46.2	46.2	46.0	41.8	47.2	43.0	3,933	44	4,551	42.5	42.2	44.0	38.6
24	48.2	(1.2)	47.0	nd	47.4	47.4	47.3	47.4	47.3	42.3	48.1	44.1	4,321	44	4,566	52.5	50.8	52.2	41.0
25	48.2	(1.3)	46.9	nd	47.5	48.2	48.3	48.4	48.5	42.6	48.0	44.4	3,495	58	4,542	51.0	51.8	53.7	43.2
26	48.2	(1.2)	47.0	nd	47.6	48.2	48.3	48.5	48.9	41.9	48.0	43.9	3,544	80	4,551	51.5	48.1	50.3	40.3
27	47.6	(1.4)	46.2	nd	47.2	47.0	46.9	47.1	47.7	41.5	47.5	42.9	3,707	80	4,571	46.0	42.2	46.2	34.7
28	48.0	(1.4)	46.6	nd	47.0	46.9	46.6	46.7	46.9	41.8	47.4	43.2	4,461	80	4,551	46.0	43.5	47.1	37.9
29	47.7	(1.5)	46.2	nd	46.6	46.6	46.4	46.5	46.7	41.9	47.0	43.2	3,830	86	4,567	47.5	45.5	48.0	39.9
30	48.4	(1.7)	46.7	nd	46.8	47.0	47.0	47.0	47.2	42.2	47.4	43.5	3,461	757	4,557	56.0	50.9	53.7	36.8
31	48.8	(1.5)	47.3	nd	46.6	47.0	47.1	47.3	47.6	42.2	47.2	43.5	4,059	80	4,553	47.5	44.7	46.5	36.5
Avg Tot cfs Tot af	49.2		47.9	#####	47.7	46.6	46.1	46.1	45.9	42.4	47.7	43.5	3,593 111,396 220,954	458 14,197 28,160	4,533 140,530 278,741	44.9	41.2	43.9	34.5

# = Station out of service

^ - estimated (7 hours or less available)

? = Avg. includes estimated data

! = 17 hours or less of readings

&amp; = 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 1/31/2013

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.