

9/29/2011

Temperature and Release Summary for Shasta and Trinity - August 2011

(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 | Bsf | Control Point 6/1 to 8/31 Jlf | Bnd | Rdb | Lws | Ccr | Igo | Shasta Generation EI 815 | Spring Crk Powerplant Release | Keswick Total Release | RDD | BSF | RDB | LWS | |
| Jul | 49.4 | | 48.7 | 55.8 | 50.0 | 53.6 | 55.0 | 55.8 | 57.2 | 49.7 | 51.4 | 57.8 | 10,436 | 1,573 | 12,306 | 80.1 | 76.8 | 76.6 | ND | |
| Aug | | | | | | | | | | | | | | | | | | | | |
| 1 | 50.4 | (0.9) | 49.5 | 56.6 | 50.7 | 54.3 | 55.4 | 56.4 | 57.9 | 51.6 | 52.2 | 58.2 | 10,337 | 1,264 | 11,985 | 81.0 | 76.3 | 76.5 | ND | |
| 2 | 50.4 | (0.7) | 49.7 | 56.4 | 50.8 | 54.1 | 55.3 | 56.2 | 57.7 | 52.0 | 52.2 | 57.7 | 9,572 | 1,257 | 11,988 | 81.5 | 75.9 | 76.5 | ND | |
| 3 | 50.4 | (0.7) | 49.7 | 56.4 | 50.8 | 54.1 | 55.2 | 56.0 | 57.6 | 51.6 | 52.3 | 57.4 | 10,736 | 1,234 | 12,149 | 81.5 | 76.3 | 77.9 | ND | |
| 4 | 50.5 | (0.7) | 49.8 | 57.4 | 50.8 | 54.1 | 55.3 | 56.0 | 57.6 | 51.8 | 52.4 | 57.2 | 10,707 | 1,200 | 12,015 | 78.0 | 72.5 | 71.9 | ND | |
| 5 | 50.7 | (0.6) | 50.1 | 56.8 | 50.8 | 54.0 | 55.2 | 56.0 | 57.6 | 51.9 | 52.4 | 57.3 | 10,270 | 1,282 | 12,117 | 79.0 | 75.2 | 74.4 | ND | |
| 6 | 50.6 | (0.9) | 49.7 | 57.9 | 51.0 | 54.2 | 55.4 | 56.0 | 57.5 | 51.9 | 52.6 | 57.6 | 10,551 | 1,199 | 11,943 | 79.0 | 74.5 | 75.5 | ND | |
| 7 | 50.7 | (0.8) | 49.9 | 57.7 | 51.0 | 54.3 | 55.5 | 56.2 | 57.7 | 52.1 | 52.6 | 57.5 | 10,259 | 1,277 | 11,718 | 78.0 | 74.5 | 74.3 | ND | |
| 8 | 50.8 | (0.8) | 50.0 | ND | 51.0 | 54.3 | 55.5 | 56.2 | 57.8 | 52.0 | 52.6 | 57.5 | 10,261 | 1,276 | 11,749 | 79.0 | 75.7 | 75.8 | ND | |
| 9 | 50.8 | (0.7) | 50.1 | ND | 51.4 | 54.4 | 55.6 | 56.3 | 57.8 | 52.0 | 52.8 | 57.6 | 10,391 | 1,255 | 11,699 | 81.5 | 77.5 | 77.0 | ND | |
| 10 | 50.9 | (0.8) | 50.1 | ND | 51.4 | 54.6 | 55.8 | 56.5 | 57.9 | 51.9 | 53.0 | 57.6 | 10,491 | 1,269 | 11,699 | 81.5 | 77.4 | 77.2 | ND | |
| 11 | 50.6 | (0.6) | 50.0 | ND | 51.4 | 54.5 | 55.8 | 56.5 | 58.1 | 51.6 | 52.9 | 57.7 | 10,098 | 1,338 | 11,707 | 81.5 | 77.2 | 76.5 | ND | |
| 12 | 50.4 | (0.9) | 49.5 | ND | 51.1 | 54.5 | 55.8 | 56.6 | 58.2 | 51.6 | 52.8 | 57.8 | 10,481 | 1,386 | 11,708 | 81.5 | 77.5 | 76.7 | ND | |
| 13 | 50.4 | (0.6) | 49.8 | ND | 51.1 | 54.3 | 55.5 | 56.3 | 58.0 | 51.5 | 52.6 | 57.6 | 9,968 | 1,344 | 11,482 | 83.5 | 78.5 | 79.0 | ND | |
| 14 | 50.4 | (0.8) | 49.6 | ND | 51.0 | 54.3 | 55.6 | 56.3 | 57.9 | 51.5 | 52.6 | 57.5 | 9,756 | 1,342 | 11,357 | 79.5 | 75.6 | 75.0 | ND | |
| 15 | 50.5 | (0.9) | 49.6 | ND | 51.0 | 54.1 | 55.3 | 56.0 | 57.6 | 51.5 | 52.4 | 57.2 | 10,068 | 1,346 | 11,331 | 78.0 | 74.3 | 74.4 | ND | |
| 16 | 50.5 | (0.7) | 49.8 | ND | 51.0 | 54.0 | 55.0 | 55.7 | 57.1 | 51.7 | 52.5 | 57.1 | 9,921 | 1,270 | 11,491 | 78.0 | 74.0 | 75.0 | ND | |
| 17 | 50.6 | (0.8) | 49.8 | 58.3 | 51.0 | 54.0 | 55.2 | 55.9 | 57.2 | 51.6 | 52.4 | 57.4 | 9,780 | 1,133 | 11,481 | 80.0 | 76.4 | 76.5 | ND | |
| 18 | 50.7 | (1.0) | 49.7 | 58.7 | 51.1 | 54.2 | 55.3 | 56.0 | 57.5 | 51.6 | 52.6 | 57.9 | 10,287 | 999 | 10,994 | 83.0 | 78.5 | 77.4 | ND | |
| 19 | 50.7 | (1.1) | 49.6 | 58.0 | 51.2 | 54.3 | 55.5 | 56.3 | 58.0 | 51.6 | 52.7 | 58.1 | 9,539 | 1,239 | 11,292 | 81.0 | 76.9 | 75.6 | ND | |
| 20 | 50.8 | (0.9) | 49.9 | 58.6 | 51.1 | 54.5 | 55.7 | 56.4 | 58.1 | 51.6 | 52.8 | 57.8 | 9,992 | 1,009 | 11,177 | 79.0 | 75.2 | 73.9 | ND | |
| 21 | 50.8 | (1.0) | 49.8 | 59.1 | 51.1 | 54.2 | 55.3 | 55.9 | 57.6 | 51.5 | 52.6 | 57.0 | 10,172 | 924 | 11,112 | 77.0 | 72.7 | 71.9 | ND | |
| 22 | 50.8 | (1.0) | 49.8 | 57.8 | 51.2 | 54.0 | 55.1 | 55.8 | 57.4 | 51.5 | 52.6 | 56.9 | 9,662 | 1,171 | 11,253 | 77.0 | 73.0 | 73.3 | ND | |
| 23 | 50.9 | (0.9) | 50.0 | 58.0 | 51.3 | 54.2 | 55.2 | 55.9 | 57.4 | 51.5 | 52.8 | 57.2 | 9,830 | 1,297 | 11,160 | 79.5 | 74.3 | 74.8 | ND | |
| 24 | 51.0 | (1.1) | 49.9 | 57.9 | 51.5 | 54.1 | 55.3 | 56.0 | 57.6 | 51.2 | 52.8 | 56.8 | 9,750 | 1,259 | 11,118 | 80.5 | 75.6 | 77.4 | ND | |
| 25 | 51.0 | (1.0) | 50.0 | 58.2 | 51.5 | 54.2 | 55.4 | 56.0 | 57.7 | 51.2 | 52.9 | 57.2 | 9,876 | 1,072 | 11,040 | 80.0 | 75.7 | 76.9 | ND | |
| 26 | 51.1 | (1.0) | 50.1 | ND | 51.4 | 54.3 | 55.4 | 56.1 | 57.8 | 51.4 | 52.9 | 57.2 | 10,014 | 1,219 | 10,872 | 82.0 | 77.0 | 78.2 | ND | |
| 27 | 51.2 | (1.0) | 50.2 | ND | 51.7 | 54.5 | 55.6 | 56.3 | 58.0 | 51.4 | 53.1 | 57.5 | 9,880 | 1,193 | 10,948 | 82.0 | 76.6 | 78.1 | ND | |
| 28 | 51.2 | (1.0) | 50.2 | ND | 51.6 | 54.4 | 55.6 | 56.3 | 58.0 | 50.5 | 53.1 | 57.3 | 9,758 | 1,232 | 10,854 | 81.5 | 76.4 | 78.1 | ND | |
| 29 | 51.3 | (1.1) | 50.2 | ND | 51.6 | 54.5 | 55.6 | 56.2 | 57.8 | 50.4 | 53.0 | 57.5 | 9,838 | 860 | 10,998 | 81.5 | 76.1 | 77.0 | ND | |
| 30 | 51.4 | (1.0) | 50.4 | ND | 51.6 | 54.3 | 55.5 | 56.2 | 57.9 | 49.2 | 53.0 | 57.5 | 10,073 | 1,225 | 10,999 | 79.5 | 74.7 | 74.2 | ND | |
| 31 | 51.5 | (1.2) | 50.3 | 56.9 | 51.9 | 54.5 | 55.7 | 56.3 | 57.8 | 49.0 | 53.2 | 57.4 | 9,534 | 1,220 | 10,997 | 76.5 | 72.8 | 73.2 | ND | |
| Avg | 50.8 | | 49.9 | 57.7 | 51.2 | 54.3 | 55.4 | 56.2 | 57.7 | 51.4 | 52.7 | 57.5 | 10,060 | 1,213 | 11,433 | 80.1 | 75.6 | 75.8 | #DIV/0! | |
| Tot cfs | | | | | | | | | | | | | 311,852 | 37,591 | 354,433 | | | | | |
| Tot af | | | | | | | | | | | | | 618,558 | 74,562 | 703,018 | | | | | |

= 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 3/1/2011 to 5/31/2011; Jelly's Ferry 6/1/2011 to 8/31/2011

9/29/2011 Added Jul Monthly Averages

NOTE: On 7/19/2011 the probe for SHD was extended farther out into the river so at low flows it should no longer be exposed to the air. 8/2/2011 the extended pipe floated away. Some hourly readings for SHD are questionable again and are being estimated.
 On 8/8/2011 the SPP Temp Probe was removed from the water to extend the pipe.
 On 8/16/2011 the SPP Temp Probe was reinstalled until an outage is approved.
 On 8/26/2011 the SPP Temp Probe was removed from water to extend the pipe.
 On 8/30/2011 the SPP Temp Probe was reinstalled in the water after completion of pipe extension.