

Water-Data Report 2008

11405120 Philbrook Creek below Philbrook Dam, near Butte Meadows, CA

Sacramento River Basin

LOCATION.--Lat 40°01'48", long 121°28'36" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.13, T.25 N., R.4 E., Butte County, CA, Hydrologic Unit 18020121, in Lassen National Forest, on right bank, 500 ft downstream from outlet structure on Philbrook Dam, and 5.4 mi southeast of Butte Meadows.

DRAINAGE AREA.--5.05 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1989 to current year (no winter records). Unpublished records for water years 1986-89 available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder, Parshall flume, and V-notch sharp-crested weir. Elevation of gage is 5,490 ft above NGVD of 1929, from topographic map. October 1985 to July 1989, nonrecording gage at same site and datum. In June 1989, V-notch sharp-crested weir installed in flume to be used at low flows.

COOPERATION.--Records, including contents at end of month from Philbrook Reservoir (station 11405100), were collected by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 803.

REMARKS.--Records not computed for winter months. Flow completely regulated by Philbrook Reservoir, usable capacity, 5,370 acre-ft, 500 ft upstream. Spillwater from Philbrook Reservoir bypasses this station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	3.0	---	---	---	---	---	3.8	4.0	4.3	29	29
2	14	3.0	---	---	---	---	---	3.8	4.0	4.3	29	29
3	14	3.0	---	---	---	---	---	3.8	4.0	4.3	29	29
4	14	3.0	---	---	---	---	---	3.9	4.0	4.3	29	29
5	14	3.0	---	---	---	---	---	4.0	4.0	4.3	28	28
6	14	3.0	---	---	---	---	---	4.0	4.0	4.3	28	28
7	14	3.0	---	---	---	---	---	4.0	4.1	8.1	28	28
8	14	3.0	---	---	---	---	---	4.0	4.1	25	28	28
9	14	3.0	---	---	---	---	---	4.1	4.1	25	28	28
10	14	3.0	---	---	---	---	---	4.1	4.1	25	28	27
11	12	3.0	---	---	---	---	---	4.1	4.1	24	28	28
12	3.0	3.0	---	---	---	---	---	4.2	4.1	24	29	29
13	3.0	3.0	---	---	---	---	---	4.3	4.1	23	29	29
14	3.0	3.0	---	---	---	---	---	4.3	4.1	14	28	26
15	3.0	3.0	---	---	---	---	---	4.5	4.1	14	28	13
16	3.0	3.0	---	---	---	---	3.4	4.6	4.1	14	28	12
17	3.0	3.0	---	---	---	---	3.4	4.6	4.1	15	28	12
18	3.0	3.0	---	---	---	---	3.5	4.4	4.1	26	28	12
19	3.1	3.0	---	---	---	---	3.5	4.3	4.1	26	28	12
20	3.0	3.0	---	---	---	---	3.5	4.3	4.1	26	28	12
21	3.0	3.0	---	---	---	---	3.5	4.3	4.2	28	29	12
22	3.0	3.0	---	---	---	---	3.5	4.0	4.3	30	30	12
23	3.0	3.0	---	---	---	---	3.5	4.0	4.3	30	30	12
24	3.0	3.0	---	---	---	---	3.5	4.0	4.3	30	30	11
25	3.0	3.0	---	---	---	---	3.5	4.0	4.3	30	29	11
26	3.0	3.0	---	---	---	---	3.6	4.0	4.3	29	29	11
27	3.0	2.9	---	---	---	---	3.6	4.0	4.3	29	29	11
28	3.0	2.9	---	---	---	---	3.7	4.0	4.3	29	29	9.3
29	3.0	2.9	---	---	---	---	3.8	4.0	4.3	29	29	3.3
30	3.0	2.9	---	---	---	---	3.8	4.0	4.3	29	29	3.3
31	3.0	---	---	---	---	---	---	4.0	---	29	29	---
Total	213.1	89.6	---	---	---	---	---	127.4	124.3	636.9	888	563.9
Mean	6.87	2.99	---	---	---	---	---	4.11	4.14	20.5	28.6	18.8
Max	15	3.0	---	---	---	---	---	4.6	4.3	30	30	29
Min	3.0	2.9	---	---	---	---	---	3.8	4.0	4.3	28	3.3
Ac-ft	423	178	---	---	---	---	---	253	247	1,260	1,760	1,120
Contents, in acre-feet, at end of month from Philbrook Reservoir	644	541	519	609	657	1,220	2,810	4,660	5,000	3,760	1,890	677

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