

Water-Data Report CA-2005

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, Butte County, Hydrologic Unit 18020121, unsurveyed, 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.

WATER-DISCHARGE 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 Unpublished records for water years 1986-89 available in files of the U.S. Geological Survey.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.

REMARKS.--Records not computed for winter months. Flow completely regulated by Philbrook Reservoir (station 11405100), usable capacity, 5,370 acre-ft, 500 ft upstream. Spillwater from Philbrook Reservoir bypasses this station. Contents at end of month from Philbrook Reservoir provided by Pacific Gas and Electric Company.

COOPERATION.--Records 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.

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DISCHARGE, CUBIC FEET PER SECOND
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.4	2.8	---	---	---	---	---	---	3.8	4.1	21	39
2	2.4	2.3	---	---	---	---	---	---	3.8	4.1	21	38
3	2.4	2.3	---	---	---	---	---	---	3.8	4.1	31	38
4	2.3	3.2	---	---	---	---	---	---	3.7	4.1	36	38
5	1.6	4.0	---	---	---	---	---	---	3.6	4.1	36	37
6	1.1	4.0	---	---	---	---	---	---	3.6	4.1	36	37
7	1.1	4.0	---	---	---	---	---	---	3.6	4.1	36	37
8	1.1	3.9	---	---	---	---	---	---	3.7	4.1	36	36
9	1.2	2.6	---	---	---	---	---	---	3.9	4.1	30	36
10	1.2	2.6	---	---	---	---	---	---	3.9	4.1	26	36
11	1.2	---	---	---	---	---	---	---	3.9	4.1	26	35
12	1.2	---	---	---	---	---	---	---	3.9	4.2	26	35
13	12	---	---	---	---	---	---	---	3.9	4.3	26	34
14	26	---	---	---	---	---	---	---	4.0	4.3	26	34
15	26	---	---	---	---	---	---	---	4.0	6.9	28	25
16	7.1	---	---	---	---	---	---	---	4.1	9.6	30	4.3
17	4.0	---	---	---	---	---	---	---	4.1	9.6	37	4.3
18	4.0	---	---	---	---	---	---	---	4.1	22	40	4.3
19	5.7	---	---	---	---	---	---	---	4.0	37	40	3.6
20	6.1	---	---	---	---	---	---	---	4.0	36	40	3.0
21	4.2	---	---	---	---	---	---	---	4.0	36	40	3.0
22	3.4	---	---	---	---	---	---	---	4.0	36	40	3.0
23	3.4	---	---	---	---	---	---	---	4.0	36	39	3.0
24	2.9	---	---	---	---	---	---	---	4.0	36	39	3.0
25	4.5	---	---	---	---	---	---	---	4.0	36	39	3.0
26	6.0	---	---	---	---	---	---	3.9	4.0	36	39	3.0
27	5.6	---	---	---	---	---	---	3.9	4.1	36	40	3.0
28	4.3	---	---	---	---	---	---	3.9	4.1	27	40	3.0
29	3.1	---	---	---	---	---	---	3.9	4.1	21	39	3.0
30	3.0	---	---	---	---	---	---	3.8	4.1	21	39	3.0
31	2.9	---	---	---	---	---	---	3.8	---	21	39	---
Total	153.4	---	---	---	---	---	---	---	117.8	521.0	1,061	584.5
Mean	4.95	---	---	---	---	---	---	---	3.93	16.8	34.2	19.5
Max	26	---	---	---	---	---	---	---	4.1	37	40	39
Min	1.1	---	---	---	---	---	---	---	3.6	4.1	21	3.0
Ac-ft	304	---	---	---	---	---	---	---	234	1,030	2,100	1,160
Contents, in acre-feet, at end of month from Philbrook Reservoir	271	367	802	1,310	1,820	3,090	3,620	3,740	4,720	4,100	1,890	626

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