

Water-Data Report 2007

11313485 Meadow Lake Outlet near Markleeville, CA

San Joaquin River Basin

LOCATION.--Lat 38°35'53", long 119°58'40" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.27, T.9 N., R.18 E., Alpine County, CA, Hydrologic Unit 18040012, in Eldorado National Forest, on right bank, 700 ft downstream from Meadow Lake Dam, 8.8 mi southeast of Kirkwood and 12.5 mi southwest of Markleeville.

DRAINAGE AREA.--5.56 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1987 to current year. Unpublished records for water years 1981-87 available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Elevation of gage is 7,660 ft above NGVD of 1929, from topographic map. Prior to October 1987, nonrecording gage at same site and datum.

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. 137.

REMARKS.--Records not computed for winter months or above 70 ft³/s. Low and medium flow regulated by Meadow Lake, capacity, 5,660 acre-ft. See schematic diagram of Mokelumne River Basin available from the California Water Science Center.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	34	15	4.4	---	---	---	5.0	5.9	6.2	22	21	21
2	33	14	4.4	---	---	---	5.0	5.7	6.2	21	21	21
3	33	14	4.4	---	---	---	5.1	6.0	6.1	21	21	21
4	32	12	4.4	---	---	---	5.2	6.2	6.0	21	21	21
5	32	6.7	4.3	---	---	---	5.1	6.0	5.9	21	21	21
6	31	4.8	---	---	---	---	5.3	6.0	6.0	21	21	21
7	31	3.8	---	---	---	---	5.4	5.9	6.8	21	21	21
8	31	3.5	---	---	---	---	5.6	5.9	5.8	21	21	21
9	30	2.7	---	---	---	---	5.7	5.9	5.8	21	21	21
10	30	3.0	---	---	---	---	5.8	5.9	6.0	21	21	21
11	30	3.5	---	---	---	---	5.8	5.9	6.0	21	21	21
12	29	3.7	---	---	---	---	5.8	5.9	5.9	21	21	21
13	29	5.7	---	---	---	---	5.9	5.9	5.9	21	21	21
14	29	14	---	---	---	---	6.0	5.9	6.0	21	21	21
15	28	12	---	---	---	---	6.0	6.0	6.0	21	21	21
16	28	11	---	---	---	---	6.1	6.0	6.0	21	21	21
17	27	11	---	---	---	11	6.2	5.9	6.0	21	21	21
18	27	11	---	---	---	12	6.2	5.9	5.9	21	21	21
19	26	10	---	---	---	12	6.4	6.0	5.9	21	21	21
20	22	8.3	---	---	---	12	6.4	6.0	5.9	21	21	21
21	21	6.5	---	---	---	12	6.4	6.0	5.8	21	21	21
22	21	5.6	---	---	---	6.1	6.5	5.9	5.9	21	21	21
23	18	5.3	---	---	---	4.3	6.6	5.8	5.8	21	21	21
24	16	5.1	---	---	---	4.6	6.8	5.9	5.9	21	21	21
25	16	5.0	---	---	---	4.8	6.4	6.0	16	21	21	21
26	16	4.9	---	---	---	4.7	5.9	6.1	22	21	21	21
27	16	4.5	---	---	---	4.6	5.9	6.1	22	21	21	16
28	15	4.5	---	---	---	4.6	5.9	6.1	22	21	21	12
29	15	4.5	---	---	---	4.6	5.8	6.1	22	21	21	19
30	15	4.4	---	---	---	4.6	5.9	6.2	22	21	21	20
31	15	---	---	---	---	4.8	---	6.2	---	21	21	---
Total	776	220.0	---	---	---	---	176.1	185.2	269.7	652	651	613
Mean	25.0	7.33	---	---	---	---	5.87	5.97	8.99	21.0	21.0	20.4
Max	34	15	---	---	---	---	6.8	6.2	22	22	21	21
Min	15	2.7	---	---	---	---	5.0	5.7	5.8	21	21	12
Ac-ft	1,540	436	---	---	---	---	349	367	535	1,290	1,290	1,220

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