

11414275 Rucker Lake near Emigrant Gap, CA

Sacramento River Basin

LOCATION.--Lat 39°21'23", long 120°39'26" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.8, T.17 N., R.12 E., Nevada County, CA, Hydrologic Unit 18020125, in Tahoe National Forest, on outlet structure on Rucker Lake Dam, and 4.3 mi north of Emigrant Gap.

DRAINAGE AREA.--1.83 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1999 to current year. Unpublished records for water years 1966-99 available in the files of the U.S. Geological Survey.

GAGE.--Nonrecording gage observed intermittently during the summer months. Datum of gage is 5,464 ft above NGVD of 1929 (levels by Pacific Gas and Electric Company).

COOPERATION.--Records were collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2310.

REMARKS.--Reservoir is formed by an earth-fill dam completed in 1871. Usable capacity, 648 acre-ft, between gage heights 0.0 ft, invert of outlet valve, and 17.0 ft, crest of spillway. Figures given represent usable contents. Released water is used for hydroelectric power and irrigation downstream.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Pacific Gas and Electric Company in 1965)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
0	0	6	90	13	384
3	22	10	233	17.5	662

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY INSTANTANEOUS VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	260	---	---	---	---	655	---	626	568	---	---
2	---	274	---	---	---	---	---	---	---	---	---	---
3	289	279	---	---	---	---	---	655	---	568	534	501
4	---	---	---	---	---	---	---	---	---	---	---	494
5	---	---	---	---	---	---	---	---	---	568	---	---
6	270	294	---	---	---	---	---	---	---	561	---	---
7	---	---	---	---	---	---	---	---	---	---	520	475
8	---	---	---	---	---	---	---	648	618	---	---	---
9	251	294	---	---	---	---	655	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	520	475
11	237	---	---	---	---	---	655	---	---	554	---	---
12	---	---	---	---	---	---	---	---	618	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	463
14	216	---	---	---	---	---	---	---	---	547	520	---
15	---	341	---	---	---	---	---	---	---	---	514	---
16	---	---	---	---	---	---	---	---	---	---	520	---
17	208	---	---	---	---	---	655	655	---	541	---	444
18	---	---	---	---	---	---	---	---	---	---	520	---
19	---	---	---	---	---	---	---	---	604	---	---	---
20	---	357	---	---	---	---	---	---	604	---	520	432
21	---	---	---	---	---	---	655	655	---	541	514	---
22	---	367	---	---	---	---	655	655	---	---	---	---
23	199	---	---	---	---	---	---	---	---	---	514	---
24	---	---	---	---	---	---	---	---	---	---	514	426
25	---	---	---	---	---	---	---	---	596	541	---	---
26	---	335	---	---	---	---	---	---	---	---	---	420
27	---	---	---	---	---	---	---	---	589	---	514	---
28	---	---	---	---	---	---	---	---	575	---	514	---
29	---	---	---	---	---	---	---	---	---	534	---	---
30	---	---	---	---	---	---	---	---	575	---	---	---
31	---	---	---	---	---	---	---	---	---	534	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---