

11239500 Shaver Lake near Big Creek, CA

San Joaquin River Basin

LOCATION.--Lat 37°08'41", long 119°18'06" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.13, T.9 S., R.24 E., Fresno County, CA, Hydrologic Unit 18040006, in Sierra National Forest, near center of dam on Stevenson Creek, and 5.2 mi southwest of town of Big Creek.

DRAINAGE AREA.--29.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1909 to current year. Prior to January 1927, monthly contents only, published in WSP 1315-A; January 1927 to September 1931, published in WSP 721. Maximum and minimum daily contents (water years 1928-39) summarized in WSP 881. Prior to 1960, maximum and minimum daily contents were published.

REVISED RECORDS.--WSP 1565: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Southern California Edison Co.). Prior to Jan. 11, 1927, gage on rock-fill dam a short distance upstream at different datum.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project nos. 67 and 120. Contents not rounded to U.S. Geological Survey standards.

REMARKS.--Storage began prior to 1905. Original lake formed by rock-fill dam, usable capacity, 5,500 acre-ft. Water diverted by Fresno Flume and Lumber Co.'s Flumes No. 1 and 2 beginning prior to 1907 and discontinued July 7, 1920. Present lake formed by concrete-arch dam; dam completed Nov. 18, 1927. Usable capacity of present lake, 135,568 acre-ft, between elevations 5,225 ft, trash-rack foundation, and 5,370.13 ft, crest of spillway. Additional storage of 92 acre-ft is not available for release. Water is received from Pitman Creek (since Feb. 22, 1928) and Huntington Lake (since Apr. 21, 1928) via Huntington-Shaver Conduit and Eastwood Powerplant (station 11238250). Water is released for power development in Big Creek powerplants. Records, excluding extremes, represent contents at 2400 hours. See schematic diagram of lower San Joaquin River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 135,897 acre-ft, July 5, 1946, Aug. 4, 1978, maximum elevation, 5,370.28 ft, Aug. 4, 1978; minimum contents, 652 acre-ft, Mar. 7, 1942, elevation, 5,249.38 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 120,559 acre-ft, June 30, elevation, 5,363.08 ft; minimum, 72,559 acre-ft, Jan. 31, elevation, 5,337.47 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Southern California Edison Co., dated Oct. 1, 1967)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
5,245	379	5,270	4,748	5,320	46,797
5,250	700	5,280	9,189	5,330	60,942
5,255	1,254	5,290	15,598	5,340	76,741
5,260	2,070	5,300	24,004	5,350	94,568
5,265	3,206	5,310	34,455	5,371	137,476

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	90,192	90,248	89,200	77,904	72,658	80,579	87,853	97,219	90,081	119,937	101,728	84,432
2	89,971	90,339	88,580	77,314	72,755	81,493	88,035	97,181	89,954	119,294	101,145	84,962
3	89,954	90,339	87,943	76,841	72,935	82,414	88,089	97,009	89,788	117,991	100,564	84,928
4	89,916	90,339	87,489	77,972	72,919	83,304	88,216	97,142	91,041	118,116	99,966	85,069
5	89,916	90,413	e87,091	78,067	72,901	83,743	88,362	97,009	92,345	117,477	99,387	85,157
6	89,842	90,449	e86,445	e77,893	72,901	e83,047	88,489	96,894	93,530	116,860	98,810	85,265
7	89,806	90,449	e86,051	77,659	72,901	e83,014	88,670	96,492	94,758	116,263	98,252	85,282
8	89,677	90,523	e85,764	77,409	72,901	83,112	88,997	96,015	95,959	115,690	97,679	85,246
9	89,568	90,523	e85,353	77,111	72,886	83,217	89,218	95,539	97,163	115,078	97,086	85,194
10	89,695	90,523	85,228	e76,808	72,901	83,321	89,456	95,063	98,329	114,485	96,492	85,157
11	89,677	90,688	84,803	76,508	72,901	83,444	89,769	94,587	99,485	113,895	95,902	85,123
12	89,733	90,725	84,591	76,241	72,951	83,796	90,119	94,114	100,797	113,306	95,292	85,087
13	89,695	90,725	84,185	75,891	72,984	84,539	90,487	93,587	101,747	112,717	94,702	85,052
14	89,677	90,688	83,813	75,640	73,016	84,751	90,984	93,076	102,975	112,190	94,096	84,999
15	89,788	90,835	83,584	75,356	73,066	84,962	91,468	92,624	104,128	111,585	93,491	84,981
16	89,806	90,835	82,921	75,156	73,113	85,104	91,859	92,121	105,271	111,061	92,888	84,928
17	89,842	90,835	82,711	74,925	73,147	85,194	92,271	91,674	106,418	110,354	92,307	84,910
18	89,806	90,910	82,851	74,693	73,196	85,265	92,624	91,172	107,552	109,871	91,916	84,874
19	89,842	90,910	82,605	74,463	73,228	85,387	93,076	90,652	108,708	109,290	91,972	84,840
20	89,806	e90,948	82,308	74,216	73,343	85,531	93,530	90,119	109,852	108,689	91,115	84,822
21	89,806	90,910	e81,933	73,952	73,506	85,657	93,869	89,604	110,981	108,088	90,487	84,786
22	89,898	91,002	81,648	73,720	73,952	85,818	94,266	89,806	112,009	107,492	89,824	84,751
23	90,027	90,966	81,234	73,572	74,463	86,016	94,587	90,063	113,205	106,896	89,162	84,715
24	90,027	91,059	80,932	73,424	74,809	86,231	94,892	90,045	114,403	106,297	88,906	84,681
25	90,027	91,059	80,769	73,113	75,856	86,393	95,292	90,266	115,690	105,745	88,252	84,644
26	90,063	90,948	80,367	72,919	76,892	86,571	95,863	90,393	117,087	105,154	87,581	84,627
27	90,119	90,948	80,074	73,016	77,972	86,787	96,378	90,505	118,281	104,582	86,948	84,610
28	90,063	91,002	79,653	73,032	79,074	86,948	96,989	90,560	118,239	104,011	86,356	84,574
29	90,284	90,393	79,227	72,820	79,943	87,271	97,239	90,540	119,419	103,423	85,711	84,539
30	90,284	89,733	78,732	72,624	---	87,544	97,200	90,339	120,412	102,837	85,069	84,520
31	90,284	---	78,358	72,608	---	87,690	---	90,228	---	102,251	84,415	---
Max	90,284	91,059	89,200	78,067	79,943	87,690	97,239	97,219	120,412	119,937	101,728	85,282
Min	89,568	89,733	78,358	72,608	72,658	80,579	87,853	89,604	89,788	102,251	84,415	84,432
Elevation, in feet, at end of month	5,347.71	5,347.41	5,340.96	5,337.50	5,341.89	5,346.29	5,351.38	5,347.68	5,363.01	5,354.00	5,344.46	5,344.52
Change in contents, in acre-feet	+36	-551	-11,375	-5,750	+7,335	+7,747	+9,510	-6,972	+30,184	-18,161	-17,836	+105

	Calendar Year 2007	Water Year 2008
Change in contents, in acre-feet	-24,441	-5,728

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