

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, 127,155 acre-ft, Oct. 1, elevation, 5,366.22 ft; minimum, 83,902 acre-ft, Mar. 21, 22, elevation, 5,344.17 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 2006 TO SEPTEMBER 2007
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	127,093	116,059	112,291	102,505	93,416	88,688	85,387	89,677	89,568	88,362	90,027	88,199
2	127,028	115,630	111,928	102,154	93,095	88,379	85,353	90,063	89,568	88,525	90,081	88,035
3	126,964	115,303	111,504	101,882	92,792	88,053	85,353	90,467	89,559	88,743	90,027	87,871
4	126,858	114,753	110,981	101,651	92,474	87,707	85,783	90,634	89,806	88,798	90,063	87,817
5	126,900	114,631	110,657	101,300	92,232	87,454	85,442	90,835	89,751	88,798	90,063	88,406
6	126,794	114,467	110,254	100,835	91,972	87,271	85,335	90,910	89,677	88,798	90,119	88,516
7	126,773	114,079	109,871	100,526	91,617	87,109	85,087	91,002	89,621	88,816	90,505	88,598
8	126,709	113,673	109,450	100,177	91,339	86,804	85,620	91,172	89,456	88,851	90,688	e88,603
9	126,647	113,409	109,210	99,889	91,115	86,625	85,729	91,357	89,309	88,871	90,853	e88,805
10	126,478	112,983	109,029	99,716	91,226	86,373	85,140	91,637	89,126	89,255	91,172	e88,773
11	126,478	112,862	108,609	99,485	91,637	86,301	84,910	92,121	88,961	89,347	91,283	88,798
12	126,478	112,699	108,428	99,195	91,394	86,088	85,872	92,513	88,798	89,420	91,283	88,816
13	125,632	112,456	108,149	98,906	91,077	85,890	86,356	92,363	88,598	89,456	91,301	88,816
14	124,999	112,699	107,770	98,579	90,948	85,620	86,517	92,232	88,417	88,961	91,190	88,706
15	124,367	112,699	107,610	98,329	90,853	85,405	86,625	92,083	88,199	88,653	91,115	88,798
16	123,736	112,699	107,352	97,985	90,523	85,282	86,732	91,916	87,998	88,688	91,134	88,906
17	123,317	112,699	106,954	97,660	90,449	85,069	87,181	91,841	87,780	88,653	91,450	88,871
18	122,686	112,717	106,577	97,353	90,228	84,962	87,381	91,506	87,780	88,653	91,617	88,761
19	122,269	112,921	106,179	97,065	89,898	84,769	87,652	91,226	87,762	88,688	91,617	88,851
20	121,852	112,981	105,803	96,664	89,806	84,715	87,780	91,283	87,725	88,761	91,730	88,871
21	121,227	113,023	105,587	96,664	89,568	84,591	88,035	91,134	87,707	88,851	91,468	88,979
22	120,809	113,042	105,231	96,339	89,512	84,962	88,417	90,948	87,762	88,906	91,283	89,182
23	119,977	113,104	105,154	96,054	89,255	84,962	88,580	90,835	87,762	88,979	91,059	89,255
24	118,942	113,143	104,817	95,749	89,126	85,123	88,798	90,634	87,780	89,126	90,781	89,365
25	118,527	113,165	104,462	95,426	89,070	85,175	89,182	90,449	87,943	89,347	90,413	89,621
26	118,321	113,205	104,089	95,120	89,088	85,568	89,347	90,302	88,035	89,365	90,192	89,733
27	117,909	113,225	104,089	94,854	89,015	85,620	89,530	90,081	88,053	89,456	89,916	89,806
28	117,497	113,225	103,755	94,605	88,924	85,657	89,568	89,954	88,106	89,586	89,512	90,063
29	117,087	113,104	103,561	94,323	---	85,335	89,621	89,971	87,707	89,788	89,182	90,284
30	116,675	112,678	103,169	93,983	---	85,405	89,512	89,806	88,144	89,916	88,816	90,248
31	116,263	---	102,799	93,757	---	85,140	---	89,586	---	89,954	88,525	---
Max	127,093	116,059	112,291	102,505	93,416	88,688	89,621	92,513	89,806	89,954	91,730	90,284
Min	116,263	112,456	102,799	93,757	88,924	84,591	84,910	89,586	87,707	88,362	88,525	87,817
Elevation, in feet, at end of month	5,361.00	5,359.24	5,354.28	5,349.57	5,346.97	5,344.87	5,347.29	5,347.33	5,346.54	5,347.53	5,346.75	5,347.69
Change in contents, in acre-feet	-10,892	-3,585	-9,879	-9,042	-4,833	-3,784	+4,372	+74	-1,442	+1,810	-1,429	+1,723

	Calendar Year 2006	Water Year 2007
Change in contents, in acre-feet	-4,573	-36,907

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