

11236000 Huntington Lake near Big Creek, CA

San Joaquin River Basin

LOCATION.--Lat 37°14'04", long 119°12'44" referenced to North American Datum of 1927, in SW ¼ sec.14, T.8 S., R.25 E., Fresno County, CA, Hydrologic Unit 18040006, in Sierra National Forest, in gate tower of dam No. 1 on Big Creek, and 2.7 mi northeast of town of Big Creek.

DRAINAGE AREA.--80.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1913 to current year. Prior to October 1926, monthly contents only, published in WSP 1315-A; 1926-31, published in WSP 721. Maximum and minimum daily contents (water years 1913-39) were summarized in WSP 881. Prior to 1960, maximum and minimum daily contents were published.

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Southern California Edison Co.). Prior to June 19, 1920, nonrecording gage at same site and 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 no. 2175. Records not rounded to U.S. Geological Survey standards.

REMARKS.--Lake is formed by four dams; storage began Apr. 11, 1913. Dams were raised in 1914 and again in 1917. Usable capacity, 89,166 acre-ft, between elevations 6,819.90 ft, invert of Outlet Tunnel No. 1, and 6,950.00 ft, spillway crest at Dam 1. Additional storage of 600 acre-ft is not available for release. Lake receives water from South Fork San Joaquin River Basin via Ward Tunnel through Portal Powerplant (station 11235500). Water is diverted from lake through Huntington-Shaver Conduit and Eastwood Powerplant (station 11238250) to Shaver Lake (station 11239500) since Apr. 21, 1928. Water is also diverted to Big Creek Powerplant No. 1 (station 11238100) on Big Creek. 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, 90,491 acre-ft, May 31, 1926, elevation, 6,950.92 ft; minimum, 2,103 acre-ft, Nov. 6, 1937, elevation, 6,838.53 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 88,465 acre-ft, Sept. 4, elevation, 6,949.51 ft; minimum, 42,806 acre-ft, Dec. 19, elevation, 6,912.55 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by Southern California Edison Co., dated Sept. 24, 1964)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
6,835	1,552	6,870	11,294	6,920	50,813
6,840	2,354	6,880	16,371	6,930	62,555
6,845	3,324	6,890	22,883	6,940	75,344
6,850	4,480	6,900	30,862	6,950	89,166
6,860	7,427	6,910	40,217	6,951	90,606

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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	86,799	e68,124	52,470	48,218	49,204	48,786	48,698	75,555	87,736	88,107	87,452	88,137
2	86,134	e67,990	51,722	48,534	48,940	48,414	49,084	76,483	87,979	88,093	87,168	88,222
3	85,401	e67,776	50,902	48,863	48,677	47,924	49,766	76,946	88,066	87,936	87,367	88,350
4	84,699	e67,539	50,101	49,347	48,250	47,337	50,178	77,452	87,936	87,666	87,367	87,993
5	84,000	e67,342	49,534	49,534	48,283	46,971	51,138	77,850	87,993	87,652	87,281	86,431
6	83,302	e67,097	49,040	49,667	48,076	46,723	52,470	78,182	87,908	87,652	87,395	84,966
7	82,595	e66,862	48,370	49,823	48,119	46,433	53,921	78,461	87,878	87,622	87,538	83,414
8	81,875	e66,679	47,717	50,044	48,087	46,102	55,400	78,849	87,495	87,566	87,622	81,848
9	81,146	e66,548	47,133	50,211	48,011	45,771	56,231	79,372	87,069	87,566	87,894	80,215
10	80,473	e66,302	46,605	50,813	48,435	45,504	57,620	80,157	87,211	87,764	87,736	78,622
11	79,749	e66,054	46,005	51,318	48,677	45,441	58,989	81,358	87,268	87,851	87,481	77,042
12	78,988	e65,841	45,569	51,790	48,742	45,409	59,506	82,636	87,268	87,750	87,381	75,451
13	77,971	e65,520	45,008	52,186	48,786	45,504	59,662	83,701	87,297	87,693	87,424	74,032
14	77,002	e65,109	44,407	52,538	48,841	45,707	60,023	84,462	87,395	87,821	87,495	72,560
15	75,971	e64,668	43,958	52,720	48,908	45,867	60,895	85,200	87,466	87,965	87,622	70,920
16	74,960	64,061	43,697	52,470	48,952	46,102	61,519	85,838	87,424	87,509	87,679	69,321
17	73,979	63,184	43,219	52,265	48,984	46,465	62,026	86,304	87,609	87,381	87,709	68,094
18	72,980	62,273	42,930	52,095	49,061	46,874	62,770	86,615	87,723	87,367	87,908	66,448
19	71,972	61,430	43,095	51,835	49,116	47,111	63,318	86,999	87,736	87,523	88,079	64,670
20	71,024	60,737	43,676	51,588	49,194	47,305	63,808	86,799	87,723	87,709	88,165	63,258
21	e70,671	60,143	44,365	51,273	49,215	47,424	64,311	86,885	87,750	87,807	88,179	61,528
22	e70,501	59,554	45,028	51,059	49,403	46,895	64,903	86,984	87,736	87,837	88,121	59,975
23	e70,302	58,726	45,303	50,657	48,940	46,971	65,409	86,984	87,679	87,709	88,008	58,631
24	e69,907	57,905	45,462	50,500	48,830	47,025	66,031	86,913	87,780	87,438	87,922	56,947
25	e69,726	57,278	45,750	50,411	48,973	47,316	66,756	87,054	87,579	87,225	87,878	54,948
26	e69,444	56,524	46,037	50,089	49,028	47,467	67,610	87,381	87,395	87,409	87,878	53,668
27	e69,206	55,810	46,658	49,912	49,139	47,695	68,828	87,566	87,438	87,865	87,780	51,982
28	e68,995	55,076	47,004	50,000	49,292	47,739	70,597	87,693	87,609	88,079	87,609	50,222
29	e68,747	54,242	47,370	49,778	---	48,021	72,752	87,579	88,179	88,151	87,452	48,600
30	e68,539	53,302	47,662	49,601	---	47,826	74,565	87,652	87,922	87,951	87,652	47,532
31	e68,292	---	47,847	49,435	---	48,087	---	87,666	---	87,709	87,908	---
Max	86,799	68,124	52,470	52,720	49,403	48,786	74,565	87,693	88,179	88,151	88,179	88,350
Min	68,292	53,302	42,930	48,218	48,011	45,409	48,698	75,555	87,069	87,225	87,168	47,532
Elevation, in feet, at end of month	---	6,922.20	6,917.31	6,918.76	6,918.63	6,917.53	6,939.41	6,948.95	6,949.13	6,948.98	6,947.12	6,917.02
Change in contents, in acre-feet	-19,160	-14,990	-5,455	+1,588	-143	-1,205	-26,478	+13,101	+256	-213	+199	-40,376

	Calendar Year 2006	Water Year 2007
Change in contents, in acre-feet	+8,456	-39,920

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