

11277500 Lake Eleanor near Hetch Hetchy, CA

San Joaquin River Basin

LOCATION.--Lat 37°58'27", long 119°52'48" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.3, T.1 N., R.19 E., Tuolumne County, CA, Hydrologic Unit 18040009, Yosemite National Park, 710 ft from left bank on upstream side of dam on Eleanor Creek, 1.7 mi upstream from Miguel Creek, and 5.5 mi northwest of Hetch Hetchy.

DRAINAGE AREA.--78.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1918 to current year. Prior to October 1930, published in WSP 1315-A. Published as "near Sequoia" 1919-20.

REVISED RECORDS.--WSP 1445: 1938 (instantaneous maximum discharge). WSP 1930: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,660 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1927, nonrecording gage on upstream side of dam at same site and datum.

REMARKS.--Reservoir is formed by multiple-arch dam completed in 1918; storage began June 23, 1918. Capacity, 26,110 acre-ft, between gage heights 4,620.9 ft, natural outlet of old lake, and 4,660.0 ft, top of 5-ft flashboards. Records represent usable contents. Records, excluding extremes, represent contents at 2400 hours. See schematic diagram of Tuolumne River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 31,000 acre-ft, Dec. 11, 1937, from capacity table then in use, gage height, 4,663.4 ft, maximum gage height, 4,663.87 ft, Jan. 1, 1997; no usable contents at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 27,400 acre-ft, May 13, gage height, 4,661.26 ft; minimum, 17,100 acre-ft, Nov. 16, 17.

**Capacity table (gage height, in feet, and contents, in acre-feet)
(Based on table provided by San Francisco Public Utilities Commission, dated May 1941)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
4,608	0	4,620	36	4,628	1,480	4,646	13,500
4,610	6	4,622	49	4,630	2,450	4,650	17,000
4,612	12	4,624	92	4,632	3,580	4,655	21,500
4,614	18	4,625	211	4,635	5,270	4,660	26,100
4,616	24	4,626	550	4,638	7,330	4,663	29,100
4,618	27	4,627	996	4,642	10,300		

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18,700	17,900	21,600	23,800	23,800	21,100	24,100	25,400	27,000	23,300	21,300	19,700
2	18,600	17,900	26,400	23,800	23,600	21,200	23,900	25,600	27,000	23,100	21,200	19,600
3	18,600	17,900	25,000	23,800	23,500	21,400	23,700	25,800	27,000	22,800	21,200	19,600
4	18,600	17,900	24,200	23,700	23,400	21,500	23,800	26,200	27,000	22,600	21,100	19,200
5	18,500	17,900	24,400	23,600	23,400	21,700	23,800	26,400	27,000	22,500	21,000	18,800
6	18,500	17,900	24,200	23,700	23,300	21,900	23,700	26,600	27,000	22,500	21,000	18,800
7	18,500	17,800	23,800	23,600	23,200	22,000	23,700	26,900	26,900	22,500	20,900	18,700
8	18,400	17,800	23,500	23,500	23,300	22,100	23,800	27,100	26,900	22,400	20,900	18,600
9	18,400	17,800	23,100	23,400	23,300	22,100	23,600	27,100	26,800	22,400	20,800	18,600
10	18,400	17,800	23,000	23,300	23,200	22,100	23,400	27,100	26,800	22,400	20,800	18,500
11	18,400	17,800	23,100	23,100	23,000	22,200	23,400	27,300	26,600	22,300	20,700	18,500
12	18,300	17,800	23,400	23,000	22,800	22,500	23,500	27,300	26,500	22,300	20,700	18,400
13	18,300	17,800	23,600	22,800	22,600	22,800	23,700	27,300	26,300	22,200	20,600	18,400
14	18,300	17,700	23,700	22,700	22,500	23,200	23,800	27,100	26,100	22,200	20,500	18,300
15	18,300	17,400	23,800	22,600	22,400	23,600	23,800	27,000	25,900	22,100	20,500	18,300
16	18,200	17,100	23,800	22,500	22,300	23,800	23,600	27,000	25,700	22,100	20,400	18,200
17	18,200	17,600	24,300	22,400	22,200	23,900	23,300	27,100	25,400	22,000	20,400	18,200
18	18,200	18,300	24,200	22,300	22,100	23,800	23,000	27,000	25,200	22,000	20,300	18,100
19	18,200	18,700	24,000	22,200	22,100	23,800	22,700	27,000	24,900	21,900	20,300	18,100
20	18,100	18,800	23,900	22,200	22,000	24,000	22,700	27,000	24,700	21,900	20,200	18,100
21	18,100	18,900	23,900	22,200	21,900	24,000	22,800	27,000	24,400	21,800	20,200	18,100
22	18,100	19,000	24,000	22,200	21,800	23,600	23,000	27,000	24,200	21,800	20,100	18,000
23	18,100	19,000	24,100	22,100	21,600	23,300	23,400	27,100	23,900	21,700	20,100	18,000
24	18,100	18,900	24,000	22,500	21,500	23,200	23,600	27,000	23,700	21,700	20,000	18,000
25	18,100	18,800	24,000	23,400	21,400	23,400	23,800	27,000	23,900	21,600	20,000	17,900
26	18,100	18,700	24,000	24,000	21,400	23,400	23,900	27,000	24,000	21,600	19,900	17,900
27	18,000	18,600	23,900	24,100	21,300	23,400	24,100	26,900	24,000	21,500	19,900	17,900
28	18,000	18,800	23,900	24,000	21,200	23,600	24,400	27,000	23,800	21,500	19,800	17,800
29	18,000	18,900	23,800	24,000	---	23,800	24,700	27,100	23,700	21,400	19,800	17,800
30	18,000	20,700	23,800	24,000	---	23,800	25,100	27,200	23,500	21,400	19,700	17,800
31	18,000	---	23,800	23,900	---	24,200	---	27,100	---	21,300	19,700	---
Max	18,700	20,700	26,400	24,100	23,800	24,200	25,100	27,300	27,000	23,300	21,300	19,700
Min	18,000	17,100	21,600	22,100	21,200	21,100	22,700	25,400	23,500	21,300	19,700	17,800
Gage height, in feet, at end of month	4,651.08	4,654.08	4,657.50	4,657.63	4,654.66	4,657.92	4,658.83	4,661.01	4,657.15	4,654.80	4,653.00	4,650.86
Change in contents, in acre-feet	-700	+2,700	+3,100	+100	-2,700	+3,000	+900	+2,000	-3,600	-2,200	-1,600	-1,900

	Calendar Year 2012	Water Year 2013
Change in contents, in acre-feet	+22,210	-900

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