

11020600 El Capitan Lake near Lakeside, CA

San Diego River Basin

LOCATION.--Lat 32°52'56", long 116°48'30" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.7, T.15 S., R.2 E., San Diego County, CA, Hydrologic Unit 18070304, on left bank, 100 ft upstream from El Capitan Dam on San Diego River, and 7.0 mi east of Lakeside.

DRAINAGE AREA.--188 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1936 to September 1966 (published with San Diego River at El Capitan Dam, station 11020500), October 1972 to September 1993, March 2004 to current year. Monthend contents only October 1972 to September 1987. October 1936 to September 1945, published in WSP 1315-B, not equivalent due to exclusion of greater part of flow released from Cuyamaca Reservoir.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by city of San Diego). Prior to October 1987, nonrecording gage at same site.

REMARKS.--Records poor. Reservoir is formed by hydraulic fill-rock embankment, completed in 1935. Capacity of reservoir at spillway level, 112,810 acre-ft, elevation, 750.00 ft. Dead storage below lowest outlet, 59 acre-ft, elevation, 574.00 ft. Reservoir storage includes supplemental Colorado River water. No significant diversion upstream from reservoir. Inflow partly regulated by Cuyamaca Reservoir, capacity, 11,740 acre-ft. Water is released as required for municipal use and irrigation. See schematic diagram of the San Diego River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 114,500 acre-ft, spilling, Mar. 7, 1980, elevation, 751.09 ft; minimum observed, 2,252 acre-ft, May 1, 1957, elevation, 606.28 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 108,000 acre-ft, May 2-5, elevation, May 3-4, 744.52 ft; minimum observed, 73,320 acre-ft, Nov. 19-20, elevation, 718.59 feet.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table dated May 25, 1956)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
600	1,450	630	7,820	660	20,650	720	71,790
610	2,820	640	11,310	680	33,780	740	97,790
620	4,940	650	15,530	700	50,730	753	117,550

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	74,100	---	73,750	83,560	87,040	94,370	104,200	107,900	105,600	100,100	94,800	89,710
2	74,100	---	73,740	83,800	87,060	94,850	104,300	107,900	105,500	99,930	---	89,580
3	74,080	---	73,750	84,200	87,110	95,350	104,600	108,000	105,300	99,710	---	89,460
4	74,080	---	73,740	84,490	87,160	95,770	104,800	108,000	105,200	99,520	---	89,310
5	74,050	---	73,740	84,700	87,210	96,120	105,000	107,900	105,000	99,320	94,120	89,200
6	74,040	---	73,750	84,870	87,270	96,430	105,100	107,800	104,800	99,120	---	89,110
7	74,030	---	73,750	85,020	87,290	96,890	105,300	107,700	104,700	98,820	---	89,030
8	74,020	---	73,750	85,180	87,340	97,230	105,600	107,600	104,500	98,710	---	88,960
9	74,010	---	73,760	85,300	87,400	97,540	105,900	107,500	104,300	98,530	---	88,930
10	73,980	---	73,760	85,430	87,420	97,810	106,100	107,400	104,100	98,270	---	88,910
11	73,960	---	73,770	85,550	87,450	98,040	106,300	107,300	103,900	98,050	---	88,870
12	73,950	73,410	73,770	85,650	87,490	98,300	106,400	107,100	103,700	97,830	---	88,840
13	73,930	73,410	73,770	85,750	87,530	98,510	106,600	107,000	103,500	97,610	---	88,790
14	73,930	73,390	73,760	85,850	87,580	98,740	106,800	106,900	103,300	97,400	---	88,770
15	73,900	73,380	73,770	85,940	87,610	98,940	106,900	106,800	103,100	97,240	---	88,730
16	---	73,350	73,780	86,030	87,730	99,150	106,900	106,700	103,000	97,060	---	88,690
17	---	73,340	73,810	86,120	87,820	99,330	107,000	106,600	102,800	96,930	---	88,650
18	---	73,340	73,870	---	88,070	99,490	107,100	106,700	102,600	96,790	---	88,610
19	---	73,330	73,950	---	89,420	99,670	107,200	106,700	102,400	96,660	---	88,570
20	---	73,470	74,350	86,340	90,180	99,930	107,300	106,700	102,200	96,480	---	88,490
21	---	73,670	75,630	86,400	90,560	100,700	107,300	106,700	102,100	96,340	---	88,430
22	---	73,730	79,400	86,470	90,850	101,100	107,400	106,700	101,900	96,200	---	88,380
23	---	73,730	80,430	86,510	91,070	101,400	107,400	106,700	101,700	96,100	---	88,310
24	---	73,730	80,810	86,570	91,260	101,800	107,500	106,600	101,500	95,930	---	88,260
25	---	73,690	81,050	86,640	91,440	102,200	107,600	106,500	101,300	95,770	90,590	88,200
26	---	73,670	81,300	86,660	92,710	102,600	107,700	106,400	101,200	95,620	90,510	88,140
27	---	73,700	81,490	86,730	93,360	102,900	107,800	106,300	101,000	95,480	90,370	88,080
28	---	73,700	81,630	86,770	93,860	103,200	107,800	106,100	100,800	95,340	90,250	88,030
29	---	73,700	82,380	86,810	---	103,500	107,900	106,100	100,500	95,190	90,100	87,990
30	---	73,730	83,050	86,870	---	103,700	107,900	105,900	100,300	95,050	89,970	87,900
31	e73,610	---	83,340	86,960	---	103,900	---	105,800	---	94,920	89,850	---
Max	---	---	83,340	---	93,860	103,900	107,900	108,000	105,600	100,100	---	89,710
Min	---	---	73,740	---	87,040	94,370	104,200	105,800	100,300	94,920	---	87,900
Elevation, in feet, at end of month	718.85	718.94	726.79	729.59	734.71	741.79	744.45	743.03	739.31	735.48	731.76	730.30
Change in contents, in acre-feet	-420	+120	+9,610	+3,620	+6,900	+10,040	+4,000	-2,100	-5,500	-5,380	-5,070	-1,950

	Calendar Year 2010	Water Year 2011
Max	83,340	108,000
Min	62,590	73,320
Change in contents, in acre-feet	+20,680	+13,870

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