



Water-Data Report CA-2005

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, 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.

WATER-STAGE 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.--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.

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, 82,190 acre-ft, May 8-9,, elevation, 725.89 ft; minimum observed, 20,560 acre-ft, Oct. 1, elevation, 655.88 ft.

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

11020600 EL CAPITAN LAKE NEAR LAKESIDE, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20,580	27,710	27,160	34,460	55,020	e69,740	78,840	82,000	80,910	77,620	73,030	68,070
2	20,630	27,850	27,290	34,730	55,190	70,790	78,990	82,000	80,850	77,470	72,910	67,910
3	20,690	27,970	27,380	35,460	55,330	71,180	79,070	82,020	80,790	77,320	72,750	67,730
4	20,770	28,120	27,500	36,280	55,480	71,730	79,230	82,000	80,740	77,160	72,640	67,580
5	20,820	28,130	27,670	36,730	55,630	72,460	79,300	82,000	80,680	77,000	72,460	67,420
6	20,870	28,050	27,810	37,090	55,790	72,820	79,380	82,160	80,600	76,840	72,310	67,240
7	20,930	28,060	27,950	37,470	55,950	73,060	79,440	82,170	80,540	76,690	72,140	67,080
8	20,970	28,080	28,080	38,090	56,200	73,370	79,600	82,170	80,450	76,530	72,000	66,900
9	21,020	28,010	28,240	39,450	56,320	73,660	79,710	82,170	80,350	76,400	71,850	66,750
10	21,080	27,930	28,390	41,460	56,370	73,850	79,820	82,170	80,290	76,240	71,620	66,600
11	21,120	27,840	28,530	46,490	56,780	74,110	79,910	82,140	80,190	76,070	71,460	66,480
12	21,180	27,750	28,660	48,210	57,680	74,280	80,080	82,120	80,130	75,920	71,290	66,350
13	21,230	27,640	28,800	49,070	58,210	74,520	80,140	82,070	80,040	75,770	71,150	66,210
14	21,270	27,550	28,930	49,710	58,510	74,750	80,220	81,980	79,960	75,630	70,980	66,080
15	21,330	27,440	29,070	50,190	58,760	74,860	80,190	81,920	79,870	75,450	70,830	65,950
16	21,410	27,340	29,200	50,610	58,970	74,960	80,760	81,900	79,800	75,310	70,650	65,830
17	21,560	27,250	29,320	50,980	59,170	75,180	80,840	81,850	79,660	75,150	70,490	65,700
18	21,780	27,160	29,450	51,310	59,660	75,380	80,910	81,830	79,530	75,000	70,330	65,560
19	22,120	27,110	29,580	51,630	60,090	75,560	80,990	81,790	79,390	74,840	70,170	65,430
20	23,840	27,120	29,710	51,920	60,490	75,870	81,040	81,750	79,240	74,720	70,020	65,340
21	24,490	27,420	29,840	52,190	e61,490	76,100	81,040	81,700	79,120	74,580	69,860	65,220
22	24,710	27,460	29,960	52,430	e62,860	76,240	81,050	81,650	78,970	74,420	69,700	65,100
23	24,860	27,470	30,080	52,640	e64,670	77,050	81,060	81,590	78,830	74,290	69,540	64,980
24	25,010	27,480	30,210	52,890	e66,070	77,310	81,100	81,540	78,670	74,150	69,370	64,850
25	25,130	27,500	30,340	53,080	e66,850	77,560	81,120	81,480	78,520	74,000	69,190	64,720
26	25,270	27,450	30,460	53,350	e67,420	77,860	81,160	81,410	78,370	73,850	69,050	64,590
27	26,220	27,380	30,600	53,510	e67,620	78,130	81,190	81,340	78,210	73,730	68,890	64,470
28	26,940	27,330	31,000	53,880	e68,680	78,290	81,690	81,280	78,080	73,570	68,730	64,330
29	27,190	27,220	33,290	54,520	---	78,510	81,950	81,200	77,930	73,450	68,570	64,220
30	27,370	27,140	33,820	54,730	---	78,620	81,970	81,110	77,770	73,310	68,400	64,070
31	27,550	---	34,150	54,890	---	78,770	---	81,000	---	73,170	68,230	---
Max	27,550	28,130	34,150	54,890	68,680	78,770	81,970	82,170	80,910	77,620	73,030	68,070
Min	20,580	27,110	27,160	34,460	55,020	69,740	78,840	81,000	77,770	73,170	68,230	64,070
Elevation, in feet, at end of month	667.59	666.96	677.13	701.38	714.54	723.13	725.71	724.94	722.32	718.46	714.14	710.34
Change in contents, in acre-feet	+6,960	-410	+7,010	+20,740	+13,790	+10,090	+3,200	-970	-3,340	-4,600	-4,940	-4,160

Water Year 2005	
Max	82,170
Min	20,580