



Water-Data Report 2008

11022100 San Vicente Reservoir near Lakeside, CA

San Diego River Basin

LOCATION.--Lat 32°54'45", long 116°55'25" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.31, T.14 S., R.1 E., San Diego County, CA, Hydrologic Unit 18070304, at outlet tower near center of upstream face of San Vicente Dam on San Vicente Creek and 3.6 mi north of Lakeside.

DRAINAGE AREA.--74.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1946 to September 1961 (published with San Vicente Creek at San Vicente Dam, at Foster, station 11022000), October 1972 to September 1998, April 2004 to current year. Monthend contents only October 1972 to September 1987.

REVISED RECORDS.--WSP 1928: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is NGVD of 1929, from topographic map. Prior to October 1987, nonrecording gage at same site.

REMARKS.--Reservoir is formed by concrete-gravity dam, constructed 1941-43 by city of San Diego; storage began during construction period. Capacity of reservoir at spillway level, 90,230 acre-ft, elevation, 650 ft. Dead storage below lowest outlet, 350 acre-ft, elevation, 493.0 ft. Reservoir storage includes supplemental water from the San Diego River, Santa Ysabel Creek, and Colorado River basins. No diversion upstream from reservoir. Water is released as required for municipal use. Contents prior to October 2005 based on capacity table in use at that time. See schematic diagram of the San Diego River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 94,200 acre-ft, spilling, Feb. 21, 1980, elevation, 653.54 ft; minimum observed, 12,390 acre-ft, Nov. 1, 1947, elevation, 549.22 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 81,530 acre-ft, March 29, elevation, 642.72 ft; minimum observed, 56,170 acre-ft, September 30, elevation, 616.14 ft.

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on table provided by city of San Diego, dated March 7, 2005)**

Elevation	Contents	Elevation	Contents	Elevation	Contents
600	42,940	630	68,910	650	89,310
610	51,000	640	78,780	655	94,790
620	59,650				

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RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	59,660	56,370	59,180	65,200	73,520	78,410	81,430	75,710	69,460	63,810	61,290	e58,420
2	59,540	56,370	59,370	65,400	73,760	78,570	81,320	75,490	69,270	63,670	61,220	e58,270
3	59,420	56,360	59,560	65,600	74,260	78,750	81,220	75,270	69,070	63,590	61,140	e58,200
4	59,270	56,350	59,750	65,750	74,730	78,910	81,110	75,070	68,880	63,510	61,060	e58,120
5	59,080	56,350	59,930	66,080	75,070	79,080	81,020	74,850	68,690	63,430	60,960	e58,100
6	58,910	56,340	60,060	66,300	75,250	79,250	80,910	74,640	68,480	63,340	60,870	e58,040
7	58,730	56,360	60,200	66,850	75,430	79,440	80,750	74,440	68,280	63,260	60,790	e58,010
8	58,550	56,360	60,290	67,030	75,600	79,630	80,540	74,240	68,090	63,170	60,700	e57,980
9	58,410	56,370	60,360	67,250	75,760	79,800	80,400	74,030	67,890	63,090	60,620	e57,900
10	58,310	56,380	60,440	67,500	75,920	79,990	80,240	73,820	67,690	63,010	60,540	57,770
11	58,200	56,390	60,570	67,760	76,090	80,170	80,050	73,600	67,510	62,920	60,450	57,740
12	58,090	56,440	60,730	68,020	76,200	80,350	79,860	73,390	67,310	62,840	60,360	57,670
13	58,030	56,460	60,930	68,290	76,250	80,530	79,640	73,170	67,120	62,770	60,270	57,620
14	57,970	56,520	61,150	68,530	76,590	80,720	79,420	72,980	66,930	62,690	60,200	e57,610
15	57,890	56,570	61,360	68,800	76,730	80,890	79,210	72,760	66,740	62,620	60,130	e57,580
16	57,790	56,650	61,580	69,020	76,840	81,060	79,000	72,560	66,550	62,530	60,050	e57,510
17	57,710	56,730	61,820	69,310	76,840	81,230	78,790	72,350	66,360	62,430	59,970	e57,410
18	57,630	56,810	62,050	69,560	76,880	81,320	78,560	72,150	66,180	62,340	59,890	e57,340
19	57,530	56,910	62,320	69,820	76,920	81,350	78,350	71,940	65,990	62,240	59,810	e57,310
20	57,430	57,070	62,570	70,060	76,980	81,390	78,150	71,720	65,800	62,150	59,730	57,140
21	57,320	57,280	62,830	70,340	77,010	81,410	77,930	71,530	65,610	62,070	59,640	57,070
22	57,230	57,450	63,040	70,620	77,280	81,420	77,720	71,340	65,420	62,000	59,550	57,000
23	57,160	57,610	63,280	70,920	77,330	81,430	77,490	71,200	65,240	61,960	59,470	56,900
24	57,060	57,780	63,490	71,090	77,460	81,440	77,290	71,010	65,050	61,890	59,380	56,790
25	56,950	57,940	63,690	71,240	77,600	81,450	77,060	70,810	64,850	61,810	59,300	56,670
26	56,840	58,120	63,930	71,430	77,720	81,470	76,840	70,620	64,660	61,730	59,200	56,550
27	56,750	58,290	64,140	72,140	77,850	81,480	76,610	70,420	64,480	61,650	59,080	56,470
28	56,660	58,480	64,350	72,510	78,030	81,480	76,390	70,220	64,290	61,570	58,950	56,380
29	56,560	58,640	64,560	72,760	78,220	81,480	76,150	70,040	64,120	61,510	58,790	56,280
30	56,470	58,970	64,780	73,010	---	81,470	75,930	69,840	63,970	61,450	e58,640	56,170
31	56,380	---	64,990	73,280	---	81,470	---	69,620	---	61,380	e58,590	---
Max	59,660	58,970	64,990	73,280	78,220	81,480	81,430	75,710	69,460	63,810	61,290	58,420
Min	56,380	56,340	59,180	65,200	73,520	78,410	75,930	69,620	63,970	61,380	58,590	56,170
Elevation, in feet, at end of month	616.38	619.26	625.92	634.57	639.46	642.66	637.23	630.76	624.82	621.96	618.84	616.14
Change in contents, in acre-feet	-3,360	+2,590	+6,020	+8,290	+4,940	+3,250	-5,540	-6,310	-5,650	-2,590	-2,790	-2,420

	Calendar Year 2007	Water Year 2008
Max	65,040	81,530
Min	55,280	56,170
Change in contents in acre-feet	+9,710	-3,570

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