

11109700 Lake Piru near Piru, CA

Santa Clara River Basin

LOCATION.--Lat 34°27'41", long 118°45'02" referenced to North American Datum of 1927, Ventura County, CA, Hydrologic Unit 18070102, in Temescal Grant, near center of Santa Felicia Dam on Piru Creek, 0.5 mi downstream from Santa Felicia Canyon, 4.2 mi northeast of Piru, and 20 mi downstream from Pyramid Dam.

DRAINAGE AREA.--425 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1955 to current year. Prior to October 1985, month end elevation and contents only.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by United Water Conservation District). Prior to Jan. 27, 1956, reference point at intake tower at same datum. Jan. 27, 1956, to Dec. 1, 1980, nonrecording gage at same site and datum.

REMARKS.--Records rated poor. Records collected in connection with Federal Energy Regulatory Commission (FERC) project no. 2153. Lake is formed by earth-fill dam. Storage began May 20, 1955. Capacity below spillway level at elevation 1,055.00 ft, 83,240 acre-ft. Water is released from outlet to Piru Creek for ground-water recharge, domestic use, and irrigation on the Oxnard Plain. Records, including extremes, represent total contents at 2400 hours. See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 109,400 acre-ft, Feb. 25, 1969, elevation, 1,061.45 ft; lake dry Oct. 25 to Nov. 20, 1961.

EXTREMES FOR CURRENT YEAR.--(at 2400 hrs) Maximum contents, 76,400 acre-ft, June 24-July 5; maximum elevation, 1,049.09 ft. June 27-29; minimum contents, 19,800 acre-ft, Nov. 15, minimum elevation, 983.41 ft..

**Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by United Water Conservation District in 2005)**

Elevation	Contents	Elevation	Contents	Elevation	Contents	Elevation	Contents
970	12,850	1,000	30,660	1,030	56,160	1,050	77,430
980	17,950	1,010	38,360	1,040	66,380	1,060	89,340
990	23,810	1,020	46,890				

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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	39,600	23,300	21,900	31,000	35,600	39,700	e59,900	72,900	75,600	76,400	75,900	75,100
2	38,900	22,900	21,900	31,200	35,700	39,900	e61,200	73,000	75,600	76,400	75,900	75,000
3	38,200	22,600	22,000	31,400	35,900	40,100	e62,300	73,200	75,600	76,400	75,900	75,000
4	37,600	22,300	22,000	31,600	36,000	40,400	e63,200	73,300	75,700	76,400	75,800	75,000
5	36,900	22,000	22,000	31,800	36,100	40,600	e64,100	73,400	75,700	76,400	75,800	74,900
6	36,200	21,700	22,100	31,900	36,100	40,800	64,800	73,500	75,800	76,300	75,800	74,900
7	35,500	21,400	22,100	32,100	36,200	41,100	65,500	73,600	75,800	76,300	75,700	74,900
8	34,900	21,200	22,100	32,200	36,300	41,300	66,100	73,800	75,900	76,300	75,700	74,800
9	34,200	21,000	22,200	32,400	36,300	41,500	66,600	73,800	75,900	76,300	75,700	74,800
10	33,500	20,700	22,200	32,500	36,400	41,700	67,100	73,900	75,900	76,300	75,700	74,700
11	32,800	20,500	22,200	32,600	36,400	41,900	67,500	74,000	76,000	76,300	75,600	74,700
12	32,200	20,300	22,200	32,700	36,500	42,100	67,900	74,100	76,000	76,300	75,600	74,500
13	31,600	20,100	22,200	32,900	36,500	42,300	68,300	74,200	76,100	76,300	75,600	73,800
14	31,100	20,000	22,300	33,000	36,600	42,500	68,600	74,300	76,100	76,300	75,600	73,100
15	30,500	19,800	22,300	33,100	36,700	42,700	69,000	74,300	76,100	76,300	75,500	72,300
16	30,000	19,900	22,400	33,300	36,800	42,900	69,300	74,400	76,200	76,200	75,500	71,600
17	29,400	20,000	22,500	33,400	36,800	43,000	69,600	74,600	76,200	76,200	75,500	70,900
18	28,900	20,200	22,700	33,600	37,000	43,100	69,900	74,700	76,200	76,200	75,500	70,200
19	28,500	20,300	23,800	33,800	37,300	43,300	70,200	74,700	76,300	76,200	75,400	69,500
20	28,000	20,600	24,200	33,900	37,500	46,200	70,500	74,800	76,300	76,200	75,400	68,800
21	27,500	20,800	24,900	34,100	37,700	48,300	70,800	74,900	76,300	76,200	75,400	68,100
22	27,100	21,000	26,900	34,300	37,900	49,200	71,100	75,000	76,300	76,100	75,300	67,300
23	26,700	21,200	28,400	34,400	38,000	49,900	71,400	75,100	76,300	76,100	75,300	66,600
24	26,300	21,400	28,900	34,600	38,200	50,600	71,600	75,100	76,400	76,100	75,300	65,900
25	26,000	21,500	29,300	34,700	38,500	51,700	71,800	75,200	76,400	76,100	75,300	65,200
26	25,600	21,600	29,600	34,800	39,000	52,600	72,100	75,300	76,400	76,000	75,200	64,500
27	25,200	21,700	29,900	35,000	39,300	53,500	72,200	75,300	76,400	76,000	75,200	63,800
28	24,800	21,800	30,100	35,100	39,500	54,600	72,400	75,400	76,400	76,000	75,200	63,100
29	24,400	21,900	30,400	35,200	---	55,800	72,600	75,400	76,400	76,000	75,200	62,500
30	24,100	21,900	30,600	35,300	---	57,100	72,700	75,500	76,400	75,900	75,100	61,900
31	23,700	---	30,800	35,500	---	e58,400	---	75,500	---	75,900	75,100	---
Max	39,600	23,300	30,800	35,500	39,500	58,400	72,700	75,500	76,400	76,400	75,900	75,100
Min	23,700	19,800	21,900	31,000	35,600	39,700	59,900	72,900	75,600	75,900	75,100	61,900
Elevation, in feet, at end of month	989.81	986.92	1,000.20	1,006.39	1,011.38	e1,032.30	1,045.84	1,048.30	1,049.07	1,048.67	1,047.94	1,035.66
Change in contents, in acre-feet	-16,600	-1,800	8,900	4,700	4,000	e18,900	e14,300	2,800	900	-500	-800	-13,200

	Calendar Year 2010	Water Year 2011
Max	51,500	76,400
Min	19,800	19,800
Change in contents, in acre-feet	8,000	21,600

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