



Water-Data Report 2008

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 good. 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.--Maximum contents at 2400 hrs., 69,400 acre-ft, June 5-21, elevation, 1042.81 ft; minimum contents at 2400 hrs., 18,300 acre-ft, Nov. 5-6; elevation, 980.64 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				

11109700 Lake Piru near Piru, CA—Continued

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	34,200	19,600	20,500	21,200	49,900	61,600	67,300	68,800	69,300	69,200	68,700	68,000
2	33,700	19,200	20,500	21,300	50,400	62,000	67,400	68,800	69,300	69,200	68,700	67,700
3	e33,200	18,800	20,500	21,300	50,900	62,400	67,500	68,900	69,300	69,200	68,700	67,100
4	32,700	18,500	20,500	23,600	51,300	62,700	67,600	68,900	69,300	69,200	68,700	66,400
5	32,300	18,300	20,500	24,300	51,700	63,000	67,700	68,900	69,400	69,100	68,700	65,700
6	31,800	18,300	20,600	25,300	52,100	63,200	67,800	68,900	69,400	69,100	68,600	65,000
7	31,300	18,400	20,600	25,700	52,400	63,400	67,900	68,900	69,400	69,100	68,600	64,300
8	30,800	18,500	20,600	25,900	52,700	63,700	68,000	69,000	69,400	69,100	68,600	63,600
9	30,400	18,500	20,600	26,000	53,100	63,800	68,000	69,000	69,400	69,100	68,500	62,900
10	29,900	18,600	20,600	26,100	53,500	64,000	68,100	69,000	69,400	69,000	68,500	62,200
11	29,300	18,800	20,700	26,200	53,800	64,200	68,100	69,000	69,400	69,000	68,500	61,400
12	28,800	18,900	20,700	26,300	54,200	64,400	68,200	69,100	69,400	69,000	68,500	60,600
13	28,300	19,000	20,700	26,400	54,600	64,500	68,200	69,100	69,400	69,000	68,400	60,000
14	27,800	19,100	20,700	26,400	55,000	64,700	68,300	69,100	69,400	69,000	68,400	59,300
15	27,300	19,300	20,700	26,500	55,300	64,900	68,300	69,100	69,400	69,000	68,400	58,600
16	26,800	19,500	20,700	26,500	55,700	65,100	68,400	69,100	69,400	68,900	68,400	58,000
17	26,300	19,600	20,700	26,600	56,000	65,300	68,400	69,100	69,400	68,900	68,300	57,300
18	e25,800	19,800	20,900	26,600	56,400	65,400	68,400	69,100	69,400	69,000	68,300	56,600
19	25,300	20,000	21,000	26,700	56,700	65,600	68,500	69,100	69,400	68,900	68,300	55,800
20	e24,800	20,200	21,000	26,700	57,000	65,800	68,500	69,100	69,400	68,900	68,300	55,100
21	e24,400	20,300	21,000	26,800	57,300	65,900	68,600	69,200	69,400	68,900	68,200	54,400
22	e23,900	20,300	21,100	26,800	57,800	66,100	68,600	69,100	69,300	68,900	68,200	53,700
23	e23,500	20,400	21,100	27,400	58,100	66,200	68,600	69,100	69,300	68,900	68,200	53,000
24	23,200	20,400	21,100	28,400	58,800	66,300	68,700	69,200	69,300	68,900	68,200	52,200
25	22,800	20,400	21,100	30,600	59,400	66,500	68,700	69,200	69,300	68,800	68,100	51,500
26	22,300	20,400	21,100	31,500	59,900	66,600	68,700	69,200	69,300	68,800	68,100	50,800
27	21,800	20,400	21,100	40,000	60,400	66,700	68,700	69,300	69,300	68,800	68,100	50,100
28	e21,300	20,500	21,200	46,000	60,800	66,800	68,800	69,300	69,300	68,800	68,100	e49,300
29	e20,800	20,500	21,200	47,600	61,200	66,900	68,800	69,300	69,200	68,800	68,100	e48,600
30	e20,300	20,500	21,200	48,500	---	67,100	68,800	69,300	69,200	68,800	68,000	47,900
31	19,900	---	21,200	49,200	---	67,200	---	69,300	---	68,700	68,000	---
Max	34,200	20,500	21,200	49,200	61,200	67,200	68,800	69,300	69,400	69,200	68,700	68,000
Min	19,900	18,300	20,500	21,200	49,900	61,600	67,300	68,800	69,200	68,700	68,000	47,900
Elevation, in feet, at end of month	983.54	984.53	985.79	1022.61	1035.06	1040.72	1042.25	1042.72	1042.63	1042.18	1041.52	1021.10
Change in contents, in acre-feet	-14,300	900	700	28,000	11,300	5,600	1,500	500	-100	-500	-700	-20,100

	Calendar Year 2007	Water Year 2008
Max	59,000	69,400
Min	18,300	18,300
Change in contents, in acre feet	-40,700	-51,100

11109700 Lake Piru near Piru, CA—Continued

