Water-Data Report 2012

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 mi^2.

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.

COOPERATION.--Station operated and maintained in cooperation with United Water Conservation District.

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 hours) Maximum contents, 61,200 acre-ft, Oct. 1; maximum elevation, 1,035.03 ft; minimum contents, 34,300 acre-ft, Sept. 30; minimum elevation, 1,004.92 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				

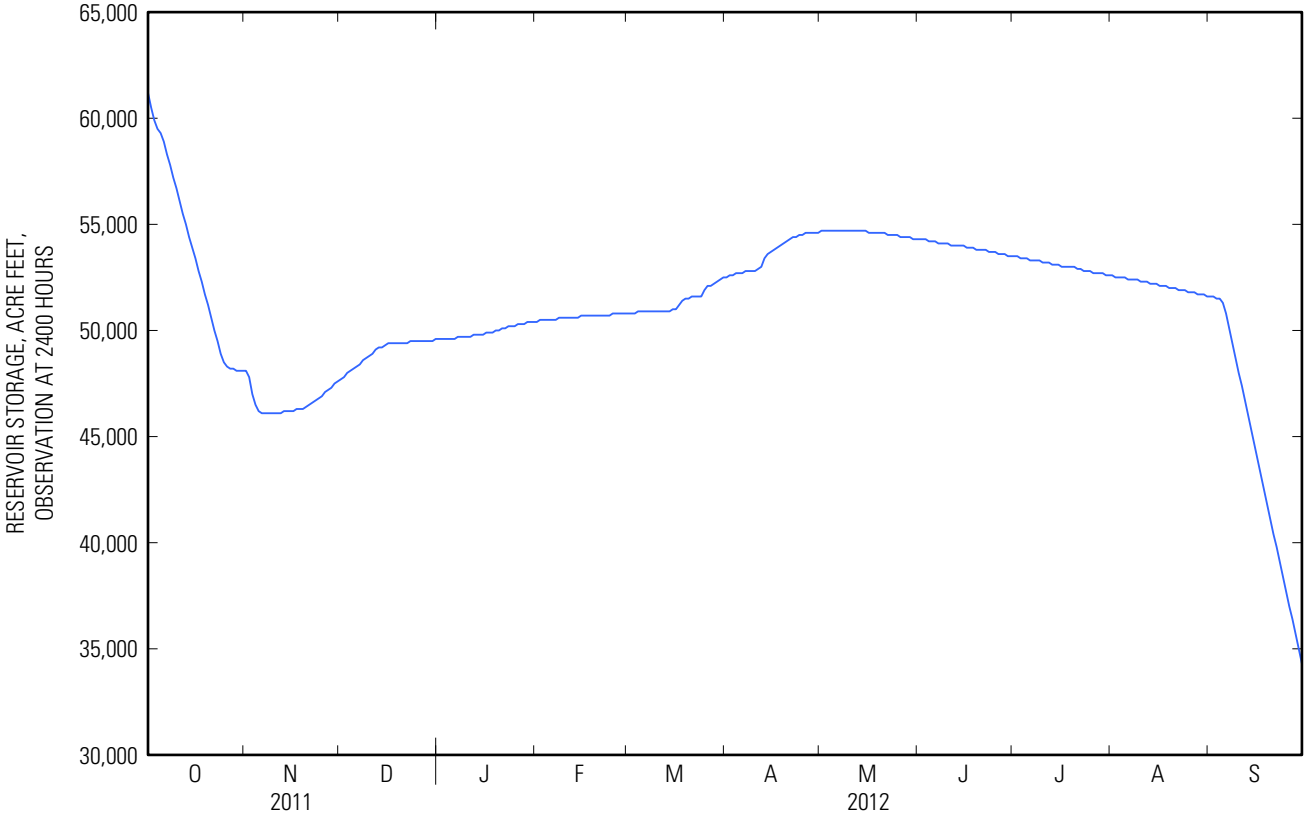
Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 11109700, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11109700.2012.pdf

11109700 Lake Piru near Piru, CA—Continued

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY OBSERVATION AT 2400 HOURS

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	61,200	48,100	47,700	49,600	50,400	50,800	52,500	54,700	54,300	e53,500	52,600	51,600
2	60,500	47,800	47,800	49,600	50,500	50,800	52,600	54,700	54,300	e53,500	52,500	51,600
3	59,900	47,000	48,000	49,600	50,500	50,800	52,600	54,700	54,300	e53,400	52,500	51,500
4	59,500	46,500	48,100	49,600	50,500	50,900	52,700	54,700	54,200	e53,400	52,500	51,500
5	59,300	46,200	48,200	49,600	50,500	50,900	52,700	54,700	54,200	e53,400	52,500	51,300
6	58,900	46,100	48,300	49,600	50,500	50,900	52,700	54,700	54,200	e53,300	52,400	50,800
7	58,300	46,100	48,400	49,700	50,500	50,900	52,800	54,700	54,100	e53,300	52,400	50,100
8	57,800	46,100	48,600	49,700	50,600	50,900	52,800	54,700	54,100	e53,300	52,400	49,400
9	57,200	46,100	48,700	49,700	50,600	50,900	52,800	54,700	54,100	e53,300	52,400	48,700
10	56,700	46,100	48,800	49,700	50,600	50,900	52,800	54,700	54,100	e53,200	52,300	48,000
11	56,100	46,100	48,900	49,700	50,600	50,900	52,900	54,700	54,000	e53,200	52,300	47,400
12	e55,500	46,100	49,100	49,800	50,600	50,900	53,000	54,700	54,000	53,200	52,300	46,700
13	55,000	46,200	49,200	49,800	50,600	50,900	53,400	54,700	54,000	53,100	52,200	46,000
14	54,400	46,200	49,200	49,800	50,600	50,900	53,600	54,700	54,000	53,100	52,200	45,300
15	53,900	46,200	49,300	49,800	50,700	51,000	53,700	54,700	54,000	53,100	52,200	44,600
16	53,400	46,200	49,400	49,900	50,700	51,000	53,800	54,600	53,900	53,000	52,100	43,900
17	52,800	46,300	49,400	49,900	50,700	51,200	53,900	54,600	53,900	53,000	52,100	43,200
18	52,300	46,300	49,400	49,900	50,700	51,400	54,000	54,600	53,900	53,000	52,100	42,500
19	51,700	46,300	49,400	50,000	50,700	51,500	54,100	54,600	53,800	53,000	52,000	41,800
20	51,200	46,400	49,400	50,000	50,700	51,500	54,200	54,600	53,800	53,000	52,000	41,100
21	50,600	46,500	49,400	50,100	50,700	51,600	54,300	54,600	53,800	52,900	52,000	40,400
22	50,000	46,600	49,400	50,100	50,700	51,600	54,400	54,500	53,800	52,900	51,900	39,800
23	e49,500	46,700	49,500	50,200	50,700	51,600	54,400	54,500	53,700	52,800	51,900	39,100
24	e48,900	46,800	49,500	50,200	50,700	51,600	54,500	54,500	53,700	52,800	51,900	38,400
25	48,500	46,900	49,500	50,200	50,800	51,900	54,500	54,500	53,700	52,800	51,800	37,700
26	48,300	47,100	49,500	50,300	50,800	52,100	54,600	54,400	53,600	52,700	51,800	37,000
27	48,200	47,200	49,500	50,300	50,800	52,100	54,600	54,400	53,600	52,700	51,800	36,400
28	48,200	47,300	49,500	50,300	50,800	52,200	54,600	54,400	53,600	52,700	51,700	35,700
29	48,100	47,500	49,500	50,400	50,800	52,300	54,600	54,400	e53,500	52,700	51,700	35,000
30	48,100	47,600	49,500	50,400	---	52,400	54,600	54,300	e53,500	52,600	51,700	34,300
31	48,100	---	49,600	50,400	---	52,500	---	54,300	---	52,600	51,600	---
Max	61,200	48,100	49,600	50,400	50,800	52,500	54,600	54,700	54,300	53,500	52,600	51,600
Min	48,100	46,100	47,700	49,600	50,400	50,800	52,500	54,300	53,500	52,600	51,600	34,300
Elevation, in feet, at end of month												
	1,021.35	1,020.82	1,022.97	1,023.90	1,024.35	1,026.13	1,028.42	1,028.09	e1,027.23	1,026.26	1,025.24	1,004.92
Change in contents, in acre-feet												
	-13,800	-500	2,000	800	400	1,700	2,100	-300	e-800	e-900	-1,000	-17,300

	Calendar Year 2011	Water Year 2012
Max	76,400	61,200
Min	31,000	34,300
Change in contents, in acre-feet	18,800	-27,600

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