

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.

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, 33,700 acre-ft, Oct. 1, elevation, 1,004.06 ft; minimum contents, 17,000 acre-ft, Nov. 1-5; minimum elevation, 978.17 ft, Nov. 4.

**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 2012 TO SEPTEMBER 2013
DAILY OBSERVATION AT 2400 HOURS

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|--|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 33,700 | 17,000 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,700 | 20,200 | 19,500 | 18,700 | 18,100 |
| 2 | 33,000 | 17,000 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,700 | 20,200 | 19,500 | 18,700 | 18,100 |
| 3 | 32,300 | 17,000 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,700 | 20,200 | 19,500 | 18,700 | 18,100 |
| 4 | 31,700 | 17,000 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,600 | 20,100 | 19,500 | 18,700 | 18,000 |
| 5 | 31,000 | 17,000 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,600 | 20,100 | 19,400 | 18,600 | 18,000 |
| 6 | 30,300 | 17,100 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,600 | 20,100 | 19,400 | 18,600 | 18,000 |
| 7 | 29,700 | 17,200 | 20,100 | 20,300 | 20,500 | 20,800 | 20,800 | 20,600 | 20,100 | 19,400 | 18,600 | 18,000 |
| 8 | 29,000 | 17,300 | 20,100 | 20,300 | 20,500 | 20,800 | 20,800 | 20,600 | 20,100 | 19,400 | 18,600 | 17,900 |
| 9 | 28,300 | 17,400 | 20,100 | 20,200 | 20,500 | 20,800 | 20,800 | 20,600 | 20,000 | 19,400 | 18,500 | 17,900 |
| 10 | 27,700 | 17,600 | 20,100 | 20,200 | 20,500 | 20,800 | 20,800 | 20,600 | 20,000 | 19,300 | 18,500 | 17,900 |
| 11 | 27,000 | 17,700 | 20,100 | 20,300 | 20,600 | 20,900 | 20,800 | 20,600 | 20,000 | 19,300 | 18,500 | 17,900 |
| 12 | 26,300 | 17,900 | 20,100 | 20,300 | 20,600 | 20,900 | 20,800 | 20,600 | 20,000 | 19,300 | 18,500 | 17,800 |
| 13 | 25,600 | 18,000 | 20,100 | 20,300 | 20,600 | 20,900 | 20,800 | 20,600 | 20,000 | 19,300 | 18,500 | 17,800 |
| 14 | 24,900 | 18,200 | 20,100 | 20,300 | 20,600 | 20,900 | 20,800 | 20,500 | 19,900 | 19,200 | 18,400 | 17,800 |
| 15 | 24,300 | 18,300 | 20,100 | 20,300 | 20,600 | 20,900 | 20,800 | 20,500 | 19,900 | 19,200 | 18,400 | 17,800 |
| 16 | 23,600 | 18,500 | 20,200 | 20,300 | 20,600 | 20,900 | 20,800 | 20,500 | 19,900 | 19,200 | 18,400 | 17,700 |
| 17 | 22,900 | 18,700 | 20,200 | 20,200 | 20,600 | 20,900 | 20,800 | 20,500 | 19,900 | 19,200 | 18,400 | 17,700 |
| 18 | 22,200 | 18,800 | 20,200 | 20,300 | 20,600 | 20,900 | 20,800 | 20,500 | 19,800 | 19,100 | 18,300 | 17,700 |
| 19 | 21,600 | 19,000 | 20,200 | 20,200 | 20,600 | 20,900 | 20,800 | 20,500 | 19,800 | 19,100 | 18,300 | 17,700 |
| 20 | 21,100 | 19,100 | 20,200 | 20,200 | 20,600 | 20,900 | 20,800 | 20,400 | 19,800 | 19,100 | 18,300 | 17,600 |
| 21 | 20,600 | 19,300 | 20,200 | 20,300 | 20,600 | 20,900 | 20,800 | 20,400 | 19,800 | 19,100 | 18,300 | 17,600 |
| 22 | 20,100 | 19,400 | 20,200 | 20,300 | 20,700 | 20,900 | 20,800 | 20,400 | 19,700 | 19,000 | 18,300 | 17,600 |
| 23 | 19,600 | 19,500 | 20,200 | 20,300 | 20,700 | 20,900 | 20,700 | 20,400 | 19,700 | 19,000 | 18,300 | 17,600 |
| 24 | 19,200 | 19,600 | 20,200 | 20,300 | 20,700 | 20,900 | 20,700 | 20,400 | 19,700 | 19,000 | 18,200 | 17,500 |
| 25 | 18,800 | 19,700 | 20,200 | 20,400 | 20,700 | 20,900 | 20,700 | 20,300 | 19,700 | 19,000 | 18,200 | 17,500 |
| 26 | 18,400 | 19,800 | 20,300 | 20,400 | 20,700 | 20,900 | 20,700 | 20,300 | 19,600 | 18,900 | 18,200 | 17,500 |
| 27 | 18,000 | 19,900 | 20,200 | 20,400 | 20,700 | 20,900 | 20,700 | 20,300 | 19,600 | 18,900 | 18,200 | 17,500 |
| 28 | 17,600 | 19,900 | 20,300 | 20,400 | 20,700 | 20,900 | 20,700 | 20,300 | 19,600 | 18,900 | 18,200 | 17,400 |
| 29 | 17,300 | 20,000 | 20,300 | 20,400 | --- | 20,900 | 20,700 | 20,300 | 19,600 | 18,900 | 18,100 | 17,400 |
| 30 | 17,200 | 20,100 | 20,300 | 20,500 | --- | 20,900 | 20,700 | 20,200 | 19,600 | 18,800 | 18,100 | 17,400 |
| 31 | 17,100 | --- | 20,300 | 20,500 | --- | 20,900 | --- | 20,200 | --- | 18,800 | 18,100 | --- |
| Max | 33,700 | 20,100 | 20,300 | 20,500 | 20,700 | 20,900 | 20,900 | 20,700 | 20,200 | 19,500 | 18,700 | 18,100 |
| Min | 17,100 | 17,000 | 20,100 | 20,200 | 20,500 | 20,700 | 20,700 | 20,200 | 19,600 | 18,800 | 18,100 | 17,400 |
| Elevation, in feet, at end of month | 978.34 | 983.81 | 984.17 | 984.60 | 984.92 | 985.18 | 984.91 | 984.07 | 982.91 | 981.53 | 980.27 | 978.92 |
| Change in contents, in acre-feet | -17,200 | 3,000 | 200 | 200 | 200 | 200 | -200 | -500 | -600 | -800 | -700 | -700 |

| | Calendar Year 2012 | Water Year 2013 |
|---|--------------------|-----------------|
| Max | 54,700 | 33,700 |
| Min | 17,000 | 17,000 |
| Change in contents, in acre-feet | -29,300 | -16,900 |

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