

Water-Data Report 2013

11109600 Piru Creek above Lake Piru, CA

Santa Clara River Basin

LOCATION.--Lat 34°31'23", long 118°45'22" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.15, T.5 N., R.18 W., Ventura County, CA, Hydrologic Unit 18070102, on left bank near Blue Point, 1.3 mi downstream from Agua Blanca Creek, 4.3 mi upstream from Santa Felicia Dam, 8.0 mi northeast of Piru, and 15 mi downstream from Pyramid Dam.

DRAINAGE AREA.--372 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1955 to current year.
SPECIFIC CONDUCTANCE: Water years 1972-80.

REVISED RECORDS.--WSP 1928: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,058.55 ft above NGVD of 1929 (levels by U.S. Forest Service). Prior to Dec. 15, 1972, at site 0.3 mi upstream at different datum.

REMARKS.--Records rated good. Records collected in connection with Federal Energy Regulatory Commission (FERC) project no. 2153. Flow regulated beginning December 1971 by Pyramid Lake (station 11109520). Imported water from the California Water Project stored and released at Pyramid Dam. See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft³/s, Jan. 10, 2005, gage height, 16.39 ft, from floodmark, from rating curve extended above 1,000 ft³/s, on basis of slope-area measurement at gage height 16.39 ft, maximum gage height, 18.6 ft, Feb. 25, 1969, site and datum then in use; no flow at times in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 2, 1938, reached a discharge of 35,000 ft³/s.

11109600 Piru Creek above Lake Piru, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	1.8	11	8.9	12	12	9.5	4.8	1.1	0.00	0.00	0.00
2	0.00	2.6	9.6	8.8	12	12	8.9	4.3	1.1	0.00	0.00	0.00
3	0.00	7.3	8.8	8.7	12	12	8.4	4.3	1.4	0.00	0.00	0.00
4	0.00	13	8.4	8.8	11	12	8.2	4.1	1.7	0.00	0.00	0.00
5	0.00	21	8.1	8.8	11	12	8.3	4.2	1.7	0.00	0.00	0.00
6	0.00	55	7.7	9.3	12	12	8.2	5.7	1.5	0.00	0.00	0.00
7	0.00	62	7.7	9.7	12	12	7.9	5.5	1.1	0.00	0.00	0.00
8	0.00	60	7.9	9.4	13	21	7.9	5.2	0.84	0.00	0.00	0.00
9	0.00	73	7.9	9.5	14	15	7.8	4.8	0.59	0.00	0.00	0.00
10	0.00	79	7.7	9.6	13	13	7.4	3.9	0.46	0.00	0.00	0.00
11	0.00	80	7.8	10	13	12	7.2	3.3	0.56	0.00	0.00	0.00
12	0.00	81	8.2	10	12	11	7.2	3.1	0.54	0.00	0.00	0.00
13	0.00	82	9.9	10	12	11	7.3	2.8	0.48	0.00	0.00	0.00
14	0.00	82	9.1	10	12	10	7.5	2.7	0.45	0.00	0.00	0.00
15	0.00	82	8.7	10	12	9.9	7.7	2.9	0.34	0.00	0.00	0.00
16	0.00	83	8.7	10	12	9.8	7.8	3.3	0.41	0.00	0.00	0.00
17	0.00	86	8.7	10	13	9.5	7.4	3.4	0.34	0.00	0.00	0.00
18	0.00	85	9.0	10	13	9.6	7.4	3.2	0.21	0.00	0.00	0.00
19	0.00	84	8.4	10	13	9.6	7.1	2.6	0.12	0.00	0.00	0.00
20	0.00	83	8.6	11	14	9.4	6.7	2.4	0.05	0.00	0.00	0.00
21	0.00	82	8.6	11	13	9.3	6.4	2.4	0.01	0.00	0.00	0.00
22	0.00	73	8.5	11	13	8.9	6.3	2.6	0.00	0.00	0.00	0.00
23	0.00	70	8.7	11	12	8.7	6.5	2.8	0.00	0.00	0.00	0.00
24	0.00	64	9.1	24	12	8.9	6.3	3.0	0.00	0.00	0.00	0.00
25	0.00	55	8.4	19	12	8.7	6.0	3.0	0.00	0.00	0.00	0.00
26	0.00	47	8.6	21	12	8.7	5.7	2.6	0.00	0.00	0.00	0.00
27	0.32	38	8.5	15	12	8.7	5.3	2.3	0.00	0.00	0.00	0.00
28	0.79	29	8.5	14	13	8.9	5.0	1.8	0.00	0.00	0.00	0.00
29	1.2	22	9.3	13	---	8.7	4.8	1.8	0.00	0.00	0.00	0.00
30	1.4	15	9.6	13	---	8.4	4.9	1.5	0.00	0.00	0.00	0.00
31	1.6	---	9.0	12	---	8.7	---	1.4	---	0.00	0.00	---
Total	5.31	1,697.7	268.7	356.5	347	331.4	213.0	101.7	15.00	0.00	0.00	0.00
Mean	0.17	56.6	8.67	11.5	12.4	10.7	7.10	3.28	0.50	0.00	0.00	0.00
Max	1.6	86	11	24	14	21	9.5	5.7	1.7	0.00	0.00	0.00
Min	0.00	1.8	7.7	8.7	11	8.4	4.8	1.4	0.00	0.00	0.00	0.00
Ac-ft	11	3,370	533	707	688	657	422	202	30	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1971, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.14	54.7	52.8	106	229	100	102	33.7	12.6	4.22	2.00	1.86
Max	11.9	503	291	992	1,657	569	741	165	53.4	22.4	11.3	9.63
(WY)	(1970)	(1966)	(1966)	(1969)	(1969)	(1969)	(1958)	(1967)	(1969)	(1969)	(1969)	(1969)
Min	.000	.34	2.91	9.24	7.50	7.26	3.96	1.34	.12	.000	.000	.000
(WY)	(1956)	(1965)	(1957)	(1965)	(1965)	(1961)	(1961)	(1961)	(1961)	(1960)	(1957)	(1956)

11109600 Piru Creek above Lake Piru, CA—Continued

SUMMARY STATISTICS

Water Years 1956 - 1971		
Annual mean	57.2	
Highest annual mean	294	1969
Lowest annual mean	5.66	1961
Highest daily mean	15,600	Feb 25, 1969
Lowest daily mean	.00	Oct 1, 1955
Annual seven-day minimum	.00	Oct 1, 1955
Maximum peak flow	31,200	Feb 25, 1969
Maximum peak stage	18.6	Feb 25, 1969
Annual runoff (ac-ft)	41,470	
10 percent exceeds	84	
50 percent exceeds	8.2	
90 percent exceeds	.00	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	14.4	22.9	39.8	119	234	183	88.6	48.7	28.6	19.7	16.0	14.4
Max	85.0	97.3	180	1,154	2,110	1,126	420	204	93.7	47.9	40.0	56.4
(WY)	(1999)	(1999)	(1984)	(1995)	(1998)	(1983)	(2006)	(1983)	(1978)	(2003)	(1998)	(1998)
Min	0.17	4.09	4.05	5.64	10.2	10.7	6.11	3.28	0.50	0.00	0.00	0.00
(WY)	(2013)	(1978)	(1990)	(1991)	(2002)	(2013)	(1977)	(2013)	(2013)	(2013)	(2012)	(2012)

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1972 - 2013	
Annual total	5,921.44		3,336.31			
Annual mean	16.2		9.14		68.2	
Highest annual mean					244	2005
Lowest annual mean					9.14	2013
Highest daily mean	97	Apr 13	86	Nov 17	15,000	Feb 23, 1998
Lowest daily mean	0.00	Jul 16	0.00	Oct 1	0.00	Aug 28, 2009
Annual seven-day minimum	0.00	Jul 21	0.00	Oct 1	0.00	Aug 28, 2009
Maximum peak flow			89	Nov 17	40,000	Jan 10, 2005
Maximum peak stage			4.41	Nov 17	^a 16.39	Jan 10, 2005
Annual runoff (ac-ft)	11,750		6,620		49,400	
10 percent exceeds	50		13		115	
50 percent exceeds	8.6		4.8		21	
90 percent exceeds	0.00		0.00		5.0	

^a From Floodmark.

11109600 Piru Creek above Lake Piru, CA—Continued

