Water-Data Report 2012

11109550 Piru Creek above Frenchmans Flat, CA

Santa Clara River Basin

LOCATION.--Lat 34°37′51″, long 118°44′51″ referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.11, T.6 N., R.18 W., Los Angeles County, CA, Hydrologic Unit 18070102, on right bank of concrete-lined channel beside old highway 99, 1.0 mi north of Frenchman's Flat, 1.5 mi downstream from Pyramid Lake Dam, and 12.5 mi north of Castiac.

DRAINAGE AREA.--308 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1976 to September 1978, November 2004 to current year (high flow, seasonal records only). December 1963 to September 1976 in files of California Department of Water Resources.
SPECIFIC CONDUCTANCE: Water years 1972-80.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2,130 ft above NGVD of 1929, from topographic map. December 1963 to September 1978, at site 0.2 mi downstream at datum 30 ft lower.

REMARKS.--Records good. Flow regulated by Pyramid Lake (station 11109520). Station is used to monitor releases from Pyramid Lake into Piru Creek River Basin. See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,000 ft^3/s, estimated, Feb. 25, 1969, by California Department of Water Resources; no flow Jan. 1-18, 1974.

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 11109550, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11109550.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	4.9	75	11	17	13	32	---	---	---	---	---
2	---	4.9	75	11	17	13	30	---	---	---	---	---
3	---	5.4	76	11	17	13	28	---	---	---	---	---
4	---	6.2	76	11	15	13	27	---	---	---	---	---
5	---	6.5	76	12	14	13	27	---	---	---	---	---
6	---	8.6	76	14	13	13	26	---	---	---	---	---
7	---	10	76	16	12	13	25	---	---	---	---	---
8	---	10	76	17	12	13	22	---	---	---	---	---
9	---	10	76	18	12	13	20	---	---	---	---	---
10	---	10	70	19	12	13	19	---	---	---	---	---
11	---	11	59	19	13	13	20	---	---	---	---	---
12	---	13	50	19	13	13	19	---	---	---	---	---
13	---	14	44	19	12	13	24	---	---	---	---	---
14	---	19	42	20	12	13	47	---	---	---	---	---
15	---	28	32	19	12	13	58	---	---	---	---	---
16	---	27	20	19	12	13	57	---	---	---	---	---
17	---	22	12	19	13	31	65	---	---	---	---	---
18	---	14	11	18	13	53	61	---	---	---	---	---
19	---	19	11	19	13	40	56	---	---	---	---	---
20	---	33	11	19	13	28	49	---	---	---	---	---
21	---	41	11	18	13	25	42	---	---	---	---	---
22	---	49	11	18	13	21	33	---	---	---	---	---
23	---	59	11	18	13	20	31	---	---	---	---	---
24	---	67	11	18	13	20	27	---	---	---	---	---
25	---	73	11	18	13	24	26	---	---	---	---	---
26	---	74	11	18	13	36	25	---	---	---	---	---
27	---	74	11	18	13	48	22	---	---	---	---	---
28	---	74	11	18	13	52	18	---	---	---	---	---
29	---	74	11	18	13	39	16	---	---	---	---	---
30	---	75	11	18	---	35	16	---	---	---	---	---
31	---	---	11	17	---	32	---	---	---	---	---	---
Total	---	936.5	1,165	527	384	712	968	---	---	---	---	---
Mean	---	31.2	37.6	17.0	13.2	23.0	32.3	---	---	---	---	---
Max	---	75	76	20	17	53	65	---	---	---	---	---
Min	---	4.9	11	11	12	13	16	---	---	---	---	---
Ac-ft	---	1,860	2,310	1,050	762	1,410	1,920	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.51	22.2	30.7	109	153	93.0	78.1	34.3	41.2	18.6	20.3	18.4
Max	10.7	57.4	73.4	532	584	257	310	63.0	72.2	21.7	25.1	20.8
(WY)	(1978)	(2011)	(2011)	(2005)	(2005)	(2005)	(2006)	(1978)	(1978)	(1978)	(1978)	(1978)
Min	4.34	4.70	4.71	17.0	13.2	4.61	4.04	5.67	10.3	15.5	15.6	16.0
(WY)	(1977)	(1978)	(1977)	(2012)	(2012)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

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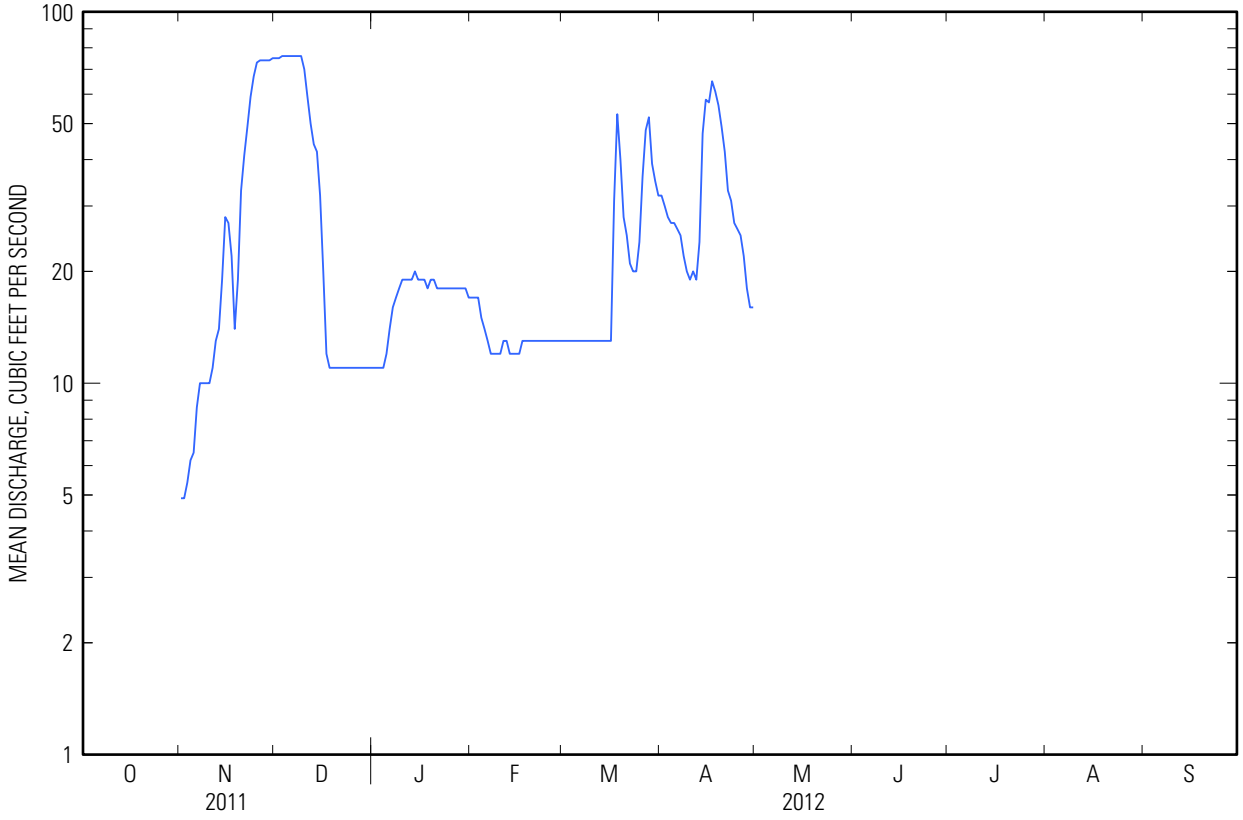
SUMMARY STATISTICS

[e, estimated]

	Water Years 1977 - 2012	
Annual mean	42.8	
Highest annual mean	72.4	1978
Lowest annual mean	13.2	1977
Highest daily mean	5,480	Jan 10, 2005
Lowest daily mean	0.00	Jan 17, 1978
Annual seven-day minimum	3.1	Oct 1, 1976
Maximum peak flow	e36,000	Feb 25, 1969
Instantaneous low flow	0.00	Jan 1, 1974
Annual runoff (ac-ft)	31,020	
10 percent exceeds	72	
50 percent exceeds	11	
90 percent exceeds	4.5