Water-Data Report 2011

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, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 11109550, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/11109550.2011.pdf

11109550 Piru Creek above Frenchmans Flat, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

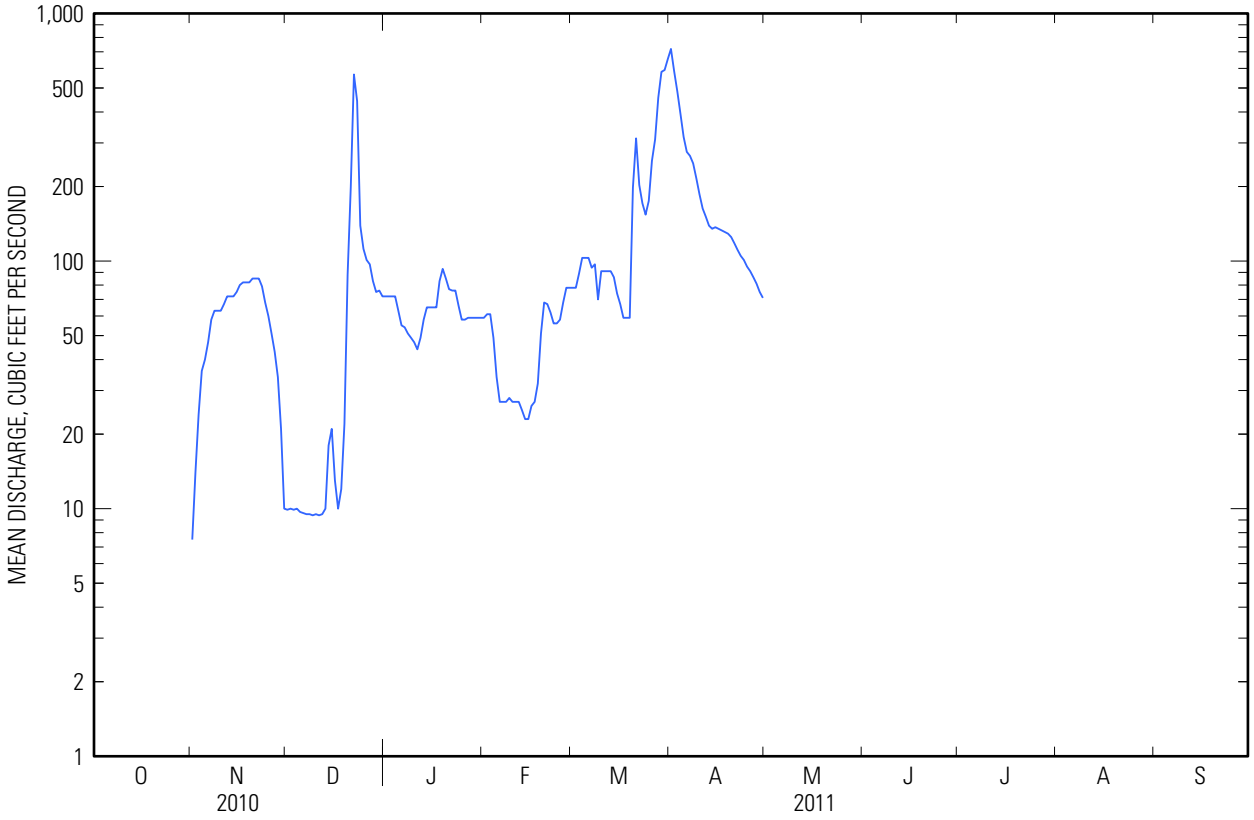
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	7.5	9.9	72	59	78	719	---	---	---	---	---
2	---	14	10	72	61	78	585	---	---	---	---	---
3	---	24	9.9	72	61	89	485	---	---	---	---	---
4	---	36	10	72	49	103	393	---	---	---	---	---
5	---	40	9.7	63	34	103	317	---	---	---	---	---
6	---	47	9.6	55	27	103	276	---	---	---	---	---
7	---	58	9.5	54	27	94	266	---	---	---	---	---
8	---	63	9.5	51	27	97	248	---	---	---	---	---
9	---	63	9.4	49	28	70	216	---	---	---	---	---
10	---	63	9.5	47	27	91	186	---	---	---	---	---
11	---	67	9.4	44	27	91	163	---	---	---	---	---
12	---	72	9.5	49	27	91	151	---	---	---	---	---
13	---	72	10	58	25	91	139	---	---	---	---	---
14	---	72	18	65	23	86	135	---	---	---	---	---
15	---	75	21	65	23	74	137	---	---	---	---	---
16	---	80	13	65	26	67	135	---	---	---	---	---
17	---	82	10	65	27	59	133	---	---	---	---	---
18	---	82	12	83	32	59	131	---	---	---	---	---
19	---	82	22	93	51	59	129	---	---	---	---	---
20	---	85	88	85	68	198	125	---	---	---	---	---
21	---	85	199	77	67	313	118	---	---	---	---	---
22	---	85	567	76	62	203	111	---	---	---	---	---
23	---	79	443	76	56	171	105	---	---	---	---	---
24	---	68	139	66	56	154	101	---	---	---	---	---
25	---	60	112	58	58	175	95	---	---	---	---	---
26	---	51	101	58	68	254	91	---	---	---	---	---
27	---	43	97	59	78	310	86	---	---	---	---	---
28	---	34	83	59	78	457	81	---	---	---	---	---
29	---	21	75	59	---	581	75	---	---	---	---	---
30	---	10	76	59	---	591	71	---	---	---	---	---
31	---	---	72	59	---	654	---	---	---	---	---	---
Total	---	1,720.5	2,273.9	1,985	1,252	5,644	6,003	---	---	---	---	---
Mean	---	57.4	73.4	64.0	44.7	182	200	---	---	---	---	---
Max	---	85	567	93	78	654	719	---	---	---	---	---
Min	---	7.5	9.4	44	23	59	71	---	---	---	---	---
Ac-ft	---	3,410	4,510	3,940	2,480	11,190	11,910	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.51	21.0	29.9	121	169	101	83.1	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	22.1	36.2	4.61	4.04	5.67	10.3	15.5	15.6	16.0
(WY)	(1977)	(1978)	(1977)	(2007)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

11109550 Piru Creek above Frenchmans Flat, CA—Continued

SUMMARY STATISTICS

[e, estimated]

	Water Years 1977 - 2011	
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