Water-Data Report 2013

11070365 San Jacinto River near Sun City, CA

Santa Ana River Basin

LOCATION.--Lat 33°44′46″, long 117°13′51″ referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.7, T.5 S., R.3 W., Riverside County, CA, Hydrologic Unit 18070202, on left bank, 0.6 mi downstream from Goetz Road Bridge, 6.0 mi northeast of Railroad Canyon Dam, and 3.2 mi northwest of Sun City.

DRAINAGE AREA.--560 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Sand and gravel operations upstream from station may reduce runoff and cause peak attenuation. Natural storage of floodwaters in the Mystic Lake area also reduces peak flows at times in some years. Flow partly regulated by Lake Hemet. Lake Hemet Municipal Water District's upper canal diverts at a point 4.0 mi upstream from station on San Jacinto River near San Jacinto (station 11069500). See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,470 ft^3/s, Jan. 10, 2005, gage height, 13.06 ft; maximum gage height, 14.64 ft, Dec. 22, 2010; no flow for many days in most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 13	2130	*538	*12.03

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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	0.00	0.00	0.05	0.03	0.02	0.02	0.00	0.00	0.00	0.00	9.0
2	0.00	0.00	0.00	0.03	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.55
3	0.00	0.00	0.00	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.05
4	0.00	0.00	0.00	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.01
5	0.00	0.00	0.00	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.26	0.01	5.6	31	0.01	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	1.6	0.00	36	34	0.01	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	1.3	0.00	6.6	7.9	0.01	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.84	0.00	0.54	0.74	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.13	0.00	0.07	0.09	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	226	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	157	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	18	0.09	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	5.5	3.4	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.45	0.46	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	1.00	0.07	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	5.3	0.03	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.61	0.02	22	5.8	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.07	0.02	10	9.1	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.04	0.01	0.93	4.4	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.03	0.01	0.09	0.90	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.02	0.01	0.04	0.10	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.30	5.9	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.08	34	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.03	15	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.02	1.9	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.02	0.14	---	0.02	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.47	0.04	---	0.02	0.00	0.00	0.00	0.00	13	0.00
31	0.00	---	0.34	0.03	---	0.02	---	0.00	---	0.00	104	---
Total	0.00	0.00	419.41	61.30	82.26	94.46	0.12	0.00	0.00	0.00	117.00	9.61
Mean	0.00	0.00	13.5	1.98	2.94	3.05	0.00	0.00	0.00	0.00	3.77	0.32
Max	0.00	0.00	226	34	36	34	0.02	0.00	0.00	0.00	104	9.0
Min	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Ac-ft	0.00	0.00	832	122	163	187	0.2	0.00	0.00	0.00	232	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.62	2.67	19.1	26.9	41.1	8.57	4.23	1.18	0.00	0.08	1.15	2.39
Max	83.2	11.5	128	193	334	57.1	18.5	12.6	0.01	0.91	5.87	24.8
(WY)	(2005)	(2005)	(2011)	(2005)	(2005)	(2003)	(2003)	(2008)	(2005)	(2010)	(2007)	(2007)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2002)	(2006)	(2001)	(2002)	(2002)	(2009)	(2009)	(2001)	(2001)	(2001)	(2001)	(2001)

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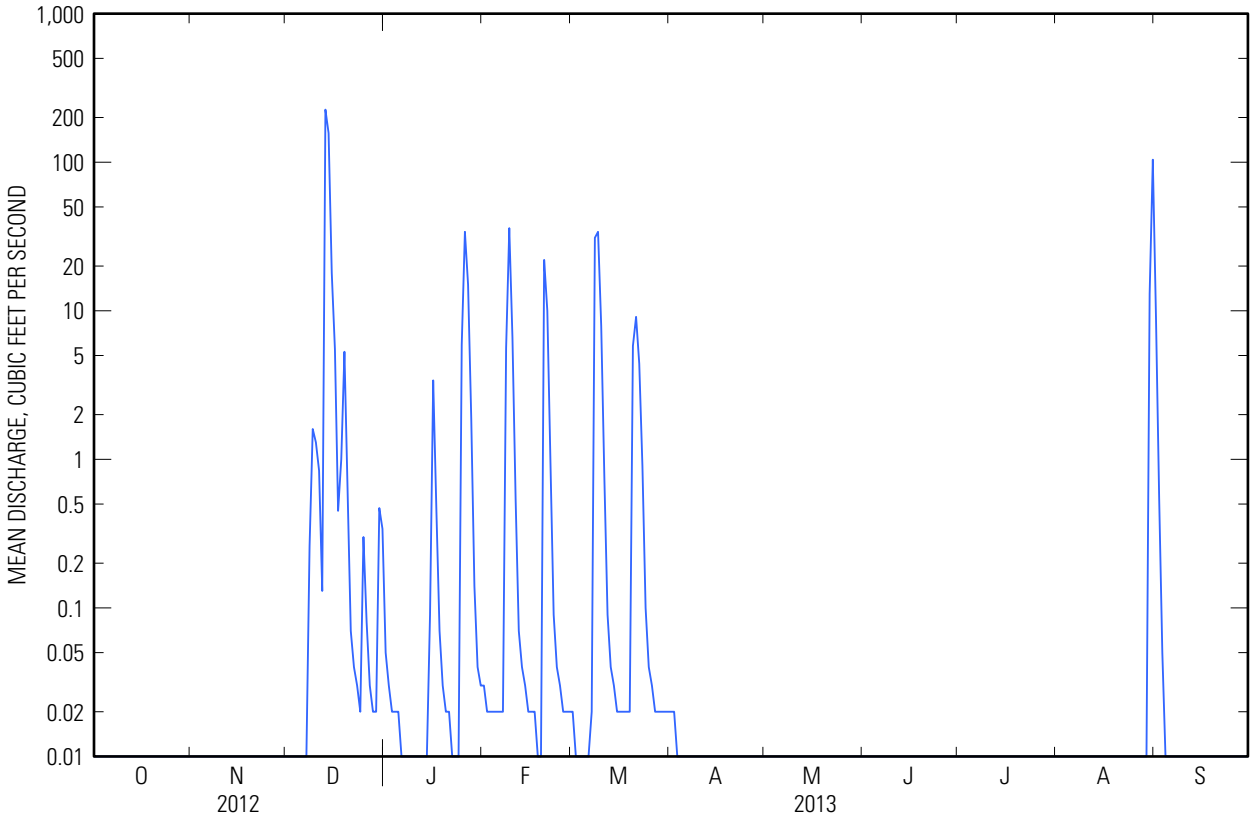
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2001 - 2013	
Annual total	755.54		784.16			
Annual mean	2.06		2.15		9.41	
Highest annual mean					53.3	2005
Lowest annual mean					1.29	2012
Highest daily mean	226	Dec 13	226	Dec 13	2,770	Jan 10, 2005
Lowest daily mean	0.00	Jan 4	0.00	Oct 1	0.00	Oct 1, 2000
Annual seven-day minimum	0.00	Jan 4	0.00	Oct 1	0.00	Oct 1, 2000
Maximum peak flow			538	Dec 13	3,470	Jan 10, 2005
Maximum peak stage			12.03	Dec 13	14.64	Dec 22, 2010
Annual runoff (ac-ft)	1,500		1,560		6,820	
10 percent exceeds	0.33		0.45		3.8	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00