11069500 SAN JACINTO RIVER NEAR SAN JACINTO, CA

Santa Ana River Basin

LOCATION.--Lat 33°44′17″, long 116°49′59″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.13, T.5 S., R.1 E., Riverside County, Hydrologic Unit 18070202, on left bank, 0.6 mi downstream from bridge on State Highway 74, 1.5 mi downstream from North Fork San Jacinto River, 7.8 mi southeast of San Jacinto, and 9.5 mi downstream from Lake Hemet.

DRAINAGE AREA.--142 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1920 to September 1991, October 1996 to current year. River only records for October 1969 to September 1980 and October 1981 to September 1991 are at site upstream of Lake Hemet Municipal Water District's lower canal and are equivalent to other records if lower canal diversion is deducted from flow past station. Records of lower canal diversion are available at Lake Hemet Municipal Water District. Combined records of river and diversions are equivalent for October 1948 to September 1981. Combined records of river and diversion for October 1981 to September 1990, published in WDR CA-82-1 to WDR CA-90-1, are not equivalent due to diversion for municipal supply upstream of gages beginning in 1982. Monthly discharge only for October 1920 and July to September 1926 are published in WSP 1315-B.

REVISED RECORDS.--WSP 881: 1938. WSP 1635: 1950. WSP 1928: Drainage area. WDR CA-97-1: Date of peak discharge for Water Year 1991.

GAGE.--Water-stage recorder, concrete control, and crest-stage gage. Datum of gage is 1,910 ft above NGVD of 1929, from topographic map. From 1927 to 1991 gage operated at various locations and datums approximately 0.6 mi upstream. See WDR CA-91-1 for further description.

REMARKS.--Records rated fair except for estimated daily discharges and flows above 300 ft^3/s, which are poor. Flow partly regulated by Lake Hemet. Lake Hemet Municipal Water District's upper canal diverts 4.5 mi upstream from station. Several other small diversions in the basin. Diversions upstream from station began prior to 1920. See schematic of Santa Ana River Basin.

EXTREMES FOR PERIOD OF RECORD.--(River only) Maximum discharge, 45,000 ft^3/s, Feb. 16, 1927, gage height unknown, on basis of slope-area measurement of peak flow; no flow for several months in some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and (or) maximum (*), from rating curve extended above 275 ft^3/s, on basis of critical depth computations:

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 11	0430	*1,310	*5.34
Feb 23	0630	566	4.44

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	6.5	2.7	47	70	165	83	68	37	e2.9	e0.18	e0.33
2	0.00	1.9	3.6	39	60	157	79	66	37	e1.9	e0.18	e0.32
3	0.00	1.3	6.2	43	54	150	77	67	36	e1.2	e0.18	e0.32
4	0.00	2.8	6.1	49	51	147	79	67	32	e0.69	e0.18	e0.32
5	0.00	5.3	6.2	47	48	144	75	66	39	e0.47	e1.0	e0.31
6	0.00	4.7	5.2	37	47	144	74	93	35	e0.34	e68	e0.30
7	0.00	4.7	3.5	38	49	129	75	86	31	e0.32	e30	e0.30
8	0.00	5.5	6.1	81	44	116	72	78	29	e0.30	e14	e0.30
9	0.00	6.2	5.9	295	42	98	74	77	27	e0.28	e8.0	e0.29
10	0.00	5.6	2.5	474	41	112	68	76	22	e0.25	e7.0	e0.28
11	0.00	5.2	2.2	482	65	117	63	68	19	e0.25	e5.0	e0.27
12	0.00	4.8	2.1	300	93	112	62	61	27	e0.25	e2.4	e0.26
13	0.00	4.5	1.5	292	82	104	54	60	25	e0.23	e1.7	e0.25
14	0.00	4.3	0.99	220	74	100	51	60	19	e0.23	e1.4	e0.23
15	0.00	2.7	0.90	168	65	92	55	60	13	e0.20	e1.0	e0.22
16	0.00	0.89	0.85	143	59	91	55	54	17	e0.24	e0.90	e0.21
17	0.00	0.75	0.78	130	55	88	58	53	18	e0.20	e0.82	e0.20
18	0.00	0.76	0.77	113	102	89	52	50	16	e0.20	e0.77	e0.19
19	0.00	0.83	0.76	107	170	147	52	47	18	e0.17	e0.72	e0.18
20	115	0.86	0.76	98	191	134	50	45	15	e0.17	e0.66	e0.16
21	62	6.4	0.72	89	289	108	46	45	10	e0.18	e0.58	e0.15
22	22	7.2	0.93	83	389	102	49	50	6.3	e0.17	e0.53	e0.15
23	11	6.2	1.1	80	370	192	57	47	3.3	e0.18	e0.48	e0.13
24	7.1	6.2	1.1	77	427	145	77	48	1.3	e0.18	e0.46	e0.13
25	5.4	6.2	1.1	74	307	132	73	48	2.0	e0.17	e0.43	e0.13
26	4.2	4.9	1.3	102	242	122	62	48	11	e0.17	e0.40	e0.12
27	26	3.9	3.2	109	200	108	58	45	5.5	e0.17	e0.38	e0.11
28	31	12	8.2	94	174	106	105	45	6.1	e0.18	e0.37	e0.10
29	19	10	148	106	---	100	100	49	5.1	e0.18	e0.35	e0.10
30	15	5.9	96	85	---	94	79	41	4.1	e0.18	e0.34	e0.10
31	11	---	48	77	---	94	---	38	---	e0.18	e0.33	---
Total	328.70	138.99	369.26	4,179	3,860	3,739	2,014	1,806	566.7	12.73	148.74	6.46
Mean	10.6	4.63	11.9	135	138	121	67.1	58.3	18.9	0.41	4.80	0.22
Max	115	12	148	482	427	192	105	93	39	2.9	68	0.33
Min	0.00	0.75	0.72	37	41	88	46	38	1.3	0.17	0.18	0.10
Ac-ft	652	276	732	8,290	7,660	7,420	3,990	3,580	1,120	25	295	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.80	3.99	14.4	19.9	53.9	65.2	46.9	22.1	6.26	1.19	1.11	1.13
Max	14.2	164	283	230	1,039	743	312	224	81.8	13.0	13.6	23.1
(WY)	(1980)	(1966)	(1967)	(1969)	(1980)	(1938)	(1941)	(1983)	(1998)	(1979)	(1983)	(1983)
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)	(1923)	(1924)	(1930)	(1936)	(1951)	(1947)	(1934)	(1934)	(1931)	(1924)	(1923)	(1922)

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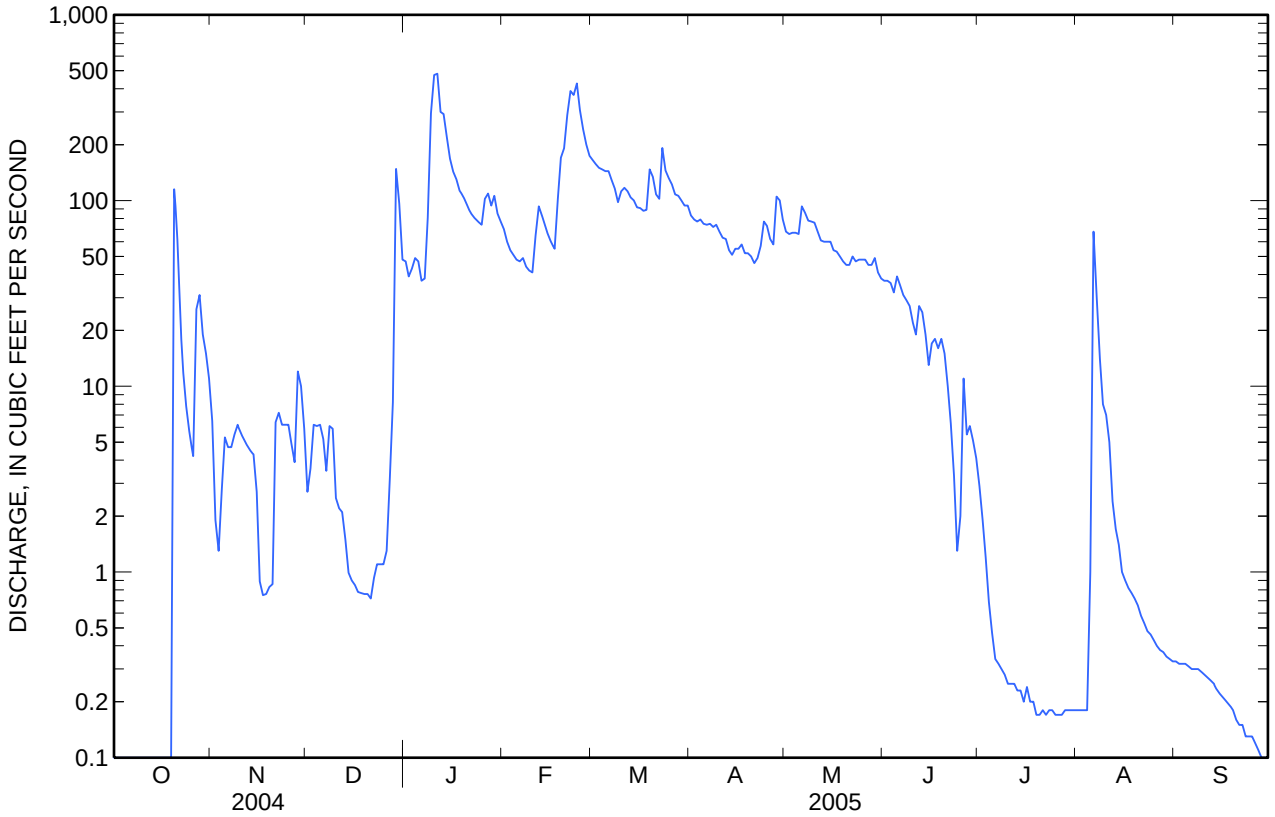
SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1921 - 2005	
Annual total	1,526.70		17,169.58			
Annual mean	4.17		47.0		19.3	
Highest annual mean					156	1980
Lowest annual mean					0.05	2002
Highest daily mean	148	Dec 29	482	Jan 11	7,590	Feb 21, 1980
Lowest daily mean	0.00	Jul 9	0.00	Oct 1	0.00	Oct 1, 1920
Annual seven-day minimum	0.00	Jul 9	0.00	Oct 1	0.00	Oct 1, 1920
Maximum peak flow			1,310	Jan 11	45,000	Feb 16, 1927
Maximum peak stage			5.34	Jan 11	unknown	
Annual runoff (ac-ft)	3,030		34,060		14,010	
10 percent exceeds	9.5		114		38	
50 percent exceeds	0.19		14		0.12	
90 percent exceeds	0.00		0.18		0.00