



Water-Data Report CA-2005

11044900 DE LUZ CREEK NEAR FALLBROOK, CA

Santa Margarita River Basin

LOCATION.--Lat 33°22'11", long 117°19'18" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.29, T.9 S., R.4 W., San Diego County, Hydrologic Unit 18070302, on Camp Joseph H. Pendleton Naval Reservation, on left bank (revised), 0.60 mi upstream from mouth and 4.2 mi west of Fallbrook.

DRAINAGE AREA.--47.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1951 to September 1967, October 1989 to September 1990, April 2002 to February 2003, October 2003 to January 2005 (discontinued).

GAGE.--Water-stage recorder, concrete control, and crest-stage gage. Elevation of gage is 155 ft above NGVD of 1929, from topographic map. Prior to December 1958, at site 750 ft upstream at different datum. December 1958 to September 1965 and October 1989 to September 1990, at a site 200 ft upstream at different datum.

REMARKS.--Records poor. No regulation or diversion upstream from station. See schematic diagram of Santa Margarita River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,500 ft³/s, estimated, January 11, 2005, gage height, 11.75 ft, from rating curve extended above 700 ft³/s; no flow for all or part of most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s, or maximum (*), from rating curve extended above 700 ft³/s on basis of critical depth computations:

[e, estimated]

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 20	1015	539	7.62
Oct 27	0445	1,050	8.24
Dec 29	1000	573	7.67
Jan 11	0110	*e7,500	11.75

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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	11	e5.8	119	---	---	---	---	---	---	---	---
2	0.00	10	e5.5	63	---	---	---	---	---	---	---	---
3	0.00	8.1	5.0	199	---	---	---	---	---	---	---	---
4	0.00	6.4	8.8	186	---	---	---	---	---	---	---	---
5	0.00	4.7	15	113	---	---	---	---	---	---	---	---
6	0.00	5.3	15	80	---	---	---	---	---	---	---	---
7	0.00	7.3	7.9	331	---	---	---	---	---	---	---	---
8	0.00	8.9	10	688	---	---	---	---	---	---	---	---
9	0.00	11	11	2,060	---	---	---	---	---	---	---	---
10	0.00	5.8	11	1,480	---	---	---	---	---	---	---	---
11	0.00	4.8	9.1	---	---	---	---	---	---	---	---	---
12	0.00	4.7	7.7	---	---	---	---	---	---	---	---	---
13	0.00	5.1	10	---	---	---	---	---	---	---	---	---
14	0.00	3.6	6.2	---	---	---	---	---	---	---	---	---
15	0.00	2.8	7.2	---	---	---	---	---	---	---	---	---
16	0.00	2.3	5.2	---	---	---	---	---	---	---	---	---
17	0.00	2.6	3.9	---	---	---	---	---	---	---	---	---
18	0.00	2.3	4.9	---	---	---	---	---	---	---	---	---
19	0.00	3.8	5.4	---	---	---	---	---	---	---	---	---
20	41	5.2	6.1	---	---	---	---	---	---	---	---	---
21	0.42	e22	4.9	---	---	---	---	---	---	---	---	---
22	0.00	e12	3.7	---	---	---	---	---	---	---	---	---
23	0.00	e8.0	3.6	---	---	---	---	---	---	---	---	---
24	0.00	e7.0	2.2	---	---	---	---	---	---	---	---	---
25	0.00	e6.0	3.3	---	---	---	---	---	---	---	---	---
26	0.00	e5.9	4.4	---	---	---	---	---	---	---	---	---
27	270	e6.5	8.2	---	---	---	---	---	---	---	---	---
28	132	e9.6	54	---	---	---	---	---	---	---	---	---
29	49	e7.0	266	---	---	---	---	---	---	---	---	---
30	24	e6.0	105	---	---	---	---	---	---	---	---	---
31	17	---	141	---	---	---	---	---	---	---	---	---
Total	533.42	205.7	757.0	---	---	---	---	---	---	---	---	---
Mean	17.2	6.86	24.4	---	---	---	---	---	---	---	---	---
Max	270	22	266	---	---	---	---	---	---	---	---	---
Min	0.00	2.3	2.2	---	---	---	---	---	---	---	---	---
Ac-ft	1,060	408	1,500	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.86	1.22	4.05	8.70	8.95	15.2	12.8	0.89	0.12	0.02	0.00	0.00
Max	17.2	17.3	34.7	61.1	39.3	127	192	7.27	0.69	0.17	0.00	0.00
(WY)	(2005)	(1966)	(1967)	(1952)	(1962)	(1958)	(1958)	(1958)	(1952)	(1967)	(1952)	(1963)
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)	(1952)	(1952)	(1954)	(1955)	(1961)	(1961)	(1961)	(1957)	(1955)	(1953)	(1952)	(1952)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Years 1952 - 2005	
Annual total	2,503.76			
Annual mean	6.84		4.31	
Highest annual mean			28.7	1958
Lowest annual mean			0.00	1961
Highest daily mean	336	Feb 26	2,060	Jan 9, 2005
Lowest daily mean	0.00	Jan 1	0.00	Oct 1, 1951
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1, 1951
Maximum peak flow			e7,500	Jan 11, 2005
Maximum peak stage			11.75	Jan 11, 2005
Annual runoff (ac-ft)	4,970		3,120	
10 percent exceeds	8.8		3.0	
50 percent exceeds	0.00		0.00	
90 percent exceeds	0.00		0.00	

e Estimated.

