Water-Data Report 2012

11065000 Lytle Creek at Colton, CA

Santa Ana River Basin

LOCATION.--Lat 34°04′44″, long 117°18′17″ referenced to North American Datum of 1927, San Bernardino County, CA, Hydrologic Unit 18070203, in San Bernardino Grant, on right bank, 400 ft downstream from Colton Avenue, 1,930 ft upstream from outlet end of channel, and 1.3 mi northeast of Colton.

DRAINAGE AREA.--186 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1957 to September 1983, October 1984 to current year.

REVISED RECORDS.--WDR CA-83-1: Drainage area.

GAGE.--Water-stage recorder and concrete-lined flood-control channel. Datum of gage is 974.67 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Records fair above 50 ft^3/s and poor below. Estimated daily vaules are considered poor. Flow partly regulated by Lytle Creek spreading grounds 3.2 mi upstream. Diversions upstream from station for irrigation, power development, domestic use, and ground-water replenishment. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft^3/s, Mar. 4, 1978, gage height, 14.8 ft, from rating curve extended above 4,200 ft^3/s, on basis of discharge for design flood at gage height 21.4 ft; no flow for many days most years.

11065000 Lytle Creek at Colton, CA—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	e4.0	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	e0.50	0.00	e9.0	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	28	0.00	e0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	1.2	0.00	0.00	0.00	33	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	e4.5	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	e0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	31	e0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	e8.0	e0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	e1.0	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	12	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.38	0.00	e16	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	e0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	e8.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	9.2	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	e12	e16	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	e2.0	e0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	e0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	e0.00	---	0.00	---	0.00	0.00	---
Total	37.00	15.00	29.20	24.00	5.00	63.20	62.00	0.00	0.00	0.00	0.00	0.00
Mean	1.19	0.50	0.94	0.77	0.17	2.04	2.07	0.00	0.00	0.00	0.00	0.00
Max	37	12	28	16	4.5	31	33	0.00	0.00	0.00	0.00	0.00
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
Ac-ft	73	30	58	48	9.9	125	123	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.21	3.82	9.96	19.6	28.6	16.2	4.20	3.61	2.05	1.27	0.79	0.63
Max	83.2	79.1	142	318	363	326	57.3	87.6	61.3	35.4	17.1	9.58
(WY)	(2005)	(1966)	(2011)	(1969)	(1980)	(1978)	(1969)	(1969)	(1978)	(1978)	(1969)	(1980)
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)	(1958)	(1958)	(1959)	(1963)	(1961)	(1959)	(1961)	(1959)	(1958)	(1958)	(1958)	(1958)

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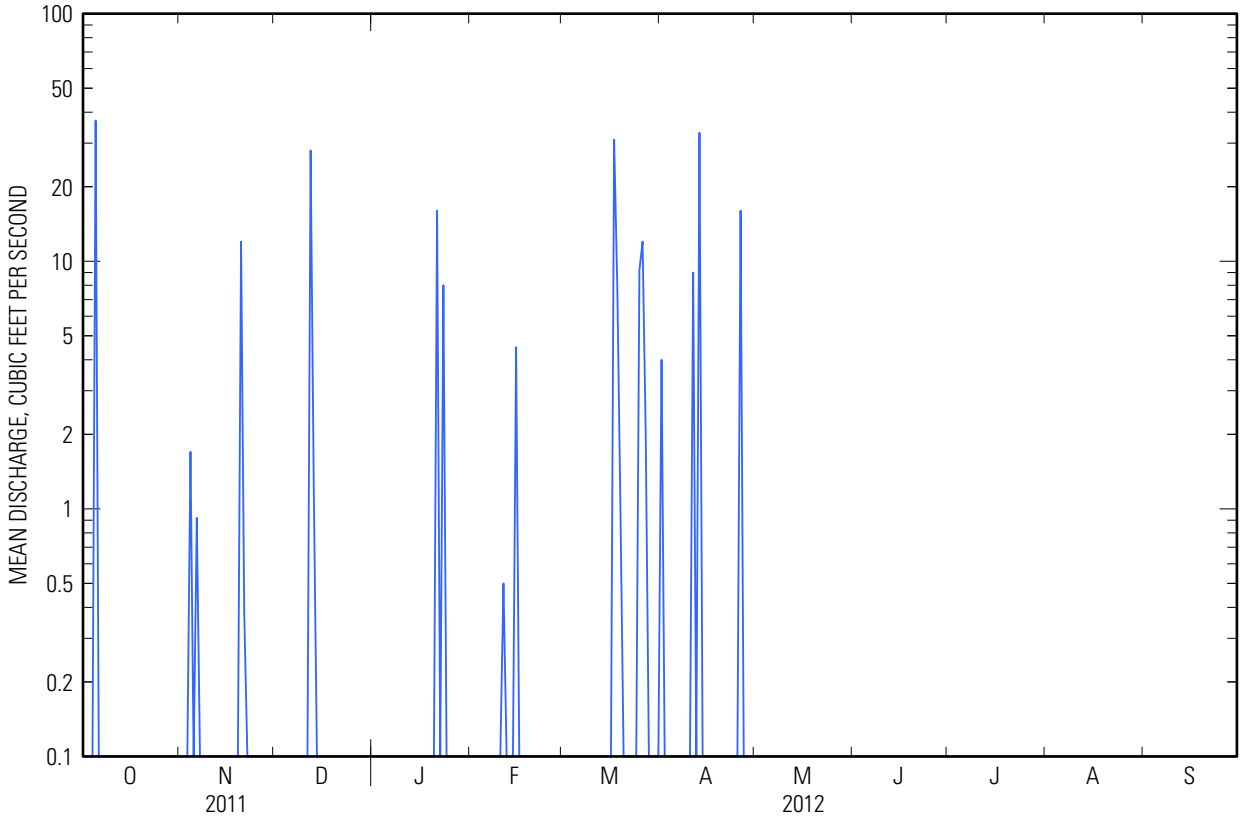
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1958 - 2012	
Annual total	304.20		235.40			
Annual mean	0.83		0.64		7.66	
Highest annual mean					65.4	1969
Lowest annual mean					0.01	1977
Highest daily mean	78	Feb 26	37	Oct 5	5,040	Jan 25, 1969
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1957
Annual seven-day minimum	0.00	Jan 4	0.00	Oct 6	0.00	Oct 1, 1957
Maximum peak flow			350	Oct 5	17,500	Mar 4, 1978
Maximum peak stage			2.23	Oct 5	14.80	Mar 4, 1978
Annual runoff (ac-ft)	603		467		5,550	
10 percent exceeds	0.00		0.00		3.5	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00