

Water-Data Report 2013

11062820 Fontana Water Company Diversion near Fontana, CA

Santa Ana River Basin

LOCATION.--Lat 34°09'17", long 117°23'45" referenced to North American Datum of 1927, San Bernardino County, CA, Hydrologic Unit 18070203, in Muscupiabe Grant, in Fontana Water Company's water distribution complex, adjacent to Southern California Edison Company's Fontana Powerhouse, and 3.5 mi northeast of Fontana.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to current year. Records for October 1975 to September 2004 available in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 1,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow at this station represents a portion of the water diverted from Lytle Creek, for irrigation and domestic use, by the Southern California Edison Co.'s Lytle Creek Conduit (station 11060900), the Fontana Water Co.'s Infiltration Line (station 11061000), and the Fontana Water Co.'s Surface Diversion (11062402). For additional information on stations 11060900 and 11061000, see station 11062000 (Lytle Creek near Fontana); see station 11062402 for additional information on the surface diversion, which diverts water downstream from station 11062000. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 52 ft³/s, July 31, 2011; no flow at times in some years.

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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	4.8	6.7	11	10	11	8.9	6.7	5.6	4.6	3.1	3.7	2.3
2	4.4	6.0	9.4	9.9	12	8.6	6.9	5.1	4.6	2.7	3.8	2.1
3	5.2	7.1	6.6	9.8	12	8.6	7.8	5.3	5.1	3.4	3.8	2.0
4	6.0	6.9	6.7	7.9	9.4	7.7	7.7	5.3	5.0	3.1	3.6	2.5
5	5.0	5.2	7.0	9.4	9.9	8.5	6.7	5.4	5.2	2.8	3.3	2.9
6	5.0	6.8	7.6	9.5	9.5	8.4	6.2	5.9	4.6	2.9	3.6	3.1
7	6.3	5.6	5.9	9.0	9.4	8.8	5.6	5.8	4.6	2.9	3.3	3.0
8	4.7	5.5	7.5	8.5	10	8.2	5.5	5.7	4.8	2.8	3.3	2.6
9	6.4	7.3	7.4	8.4	11	9.0	5.4	5.6	4.8	2.9	3.2	2.8
10	6.1	7.3	5.7	9.9	11	9.1	5.6	5.4	3.8	3.8	3.3	3.3
11	5.8	7.1	5.8	8.0	9.0	8.9	5.5	5.1	0.00	3.9	2.8	3.6
12	6.0	4.5	6.1	8.5	8.1	8.3	5.4	5.0	0.61	3.6	3.0	4.0
13	6.4	5.8	4.2	9.6	7.7	8.4	5.6	5.0	5.7	3.1	3.4	4.0
14	6.5	5.4	5.9	9.6	6.9	8.7	5.9	4.8	4.3	3.2	3.2	3.5
15	5.2	5.5	10	7.5	7.0	8.4	6.1	5.0	4.0	3.3	3.2	3.2
16	5.1	6.1	11	7.4	7.6	8.3	6.3	5.0	4.2	3.1	3.1	3.2
17	5.5	7.4	8.6	8.8	8.6	8.3	6.0	5.1	4.2	3.3	3.1	3.2
18	5.3	7.4	10	7.3	9.4	7.4	6.0	5.1	4.2	3.5	3.1	3.4
19	5.1	5.9	8.9	7.9	7.8	6.8	5.6	4.9	4.5	3.5	3.2	3.3
20	5.8	6.4	8.0	9.1	9.3	6.6	5.6	4.7	4.4	3.9	2.9	3.4
21	7.0	6.1	9.5	7.9	8.1	6.7	5.4	4.8	4.3	4.0	2.7	3.5
22	5.7	7.5	10	9.1	7.5	6.5	5.8	4.8	4.2	3.8	3.0	3.4
23	5.9	7.6	9.7	9.7	7.8	6.6	6.2	4.9	4.2	3.7	3.0	3.4
24	5.7	7.7	10	6.2	9.3	6.4	6.1	5.1	4.3	3.7	2.7	3.6
25	5.7	7.8	9.6	5.1	8.6	6.4	6.1	5.1	4.3	3.6	2.5	3.8
26	5.4	6.0	10	5.4	8.9	6.4	6.0	5.1	4.2	3.9	3.1	3.9
27	6.9	6.5	9.7	5.6	9.2	6.3	6.0	5.1	4.1	3.9	3.0	4.1
28	6.9	6.2	8.8	8.7	8.3	6.3	5.5	5.3	3.9	3.4	2.9	3.4
29	5.4	7.8	9.6	12	---	6.1	5.7	4.9	3.8	3.2	2.9	3.2
30	5.5	11	9.5	12	---	6.4	5.7	4.8	3.5	3.4	2.8	3.3
31	5.9	---	9.3	12	---	6.5	---	4.7	---	3.4	3.0	---
Total	176.6	200.1	259.0	269.7	254.3	236.5	180.6	159.4	124.01	104.8	97.5	97.0
Mean	5.70	6.67	8.35	8.70	9.08	7.63	6.02	5.14	4.13	3.38	3.15	3.23
Max	7.0	11	11	12	12	9.1	7.8	5.9	5.7	4.0	3.8	4.1
Min	4.4	4.5	4.2	5.1	6.9	6.1	5.4	4.7	0.00	2.7	2.5	2.0
Ac-ft	350	397	514	535	504	469	358	316	246	208	193	192

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.7	12.2	11.0	10.8	11.5	14.6	15.4	14.5	11.5	11.9	11.9	12.1
Max	29.0	25.7	23.5	23.5	23.5	31.3	37.1	42.0	38.0	40.4	42.0	36.5
(WY)	(2012)	(1999)	(1999)	(1994)	(1997)	(2010)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)
Min	3.61	2.29	0.14	1.71	1.05	0.04	1.78	0.39	0.00	2.68	0.62	1.44
(WY)	(1988)	(2003)	(1997)	(1991)	(1991)	(1993)	(1995)	(1978)	(1978)	(1990)	(1987)	(2007)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1976 - 2013	
Annual total	3,318.6		2,159.51			
Annual mean	9.07		5.92		12.5	
Highest annual mean					28.8	2011
Lowest annual mean					4.93	2002
Highest daily mean	20	Mar 27	12	Jan 29	52	Jul 31, 2011
Lowest daily mean	1.4	Aug 12	0.00	Jun 11	0.00	Feb 8, 1976
Annual seven-day minimum	4.4	Sep 24	2.5	Aug 29	0.00	Sep 11, 1976
Annual runoff (ac-ft)	6,580		4,280		9,060	
10 percent exceeds	14		9.4		24	
50 percent exceeds	8.0		5.6		11	
90 percent exceeds	5.1		3.1		3.1	

