

Water-Data Report 2013

11062800 Fontana Water Company Spill Channel from Afterbay, near Fontana, CA

Santa Ana River Basin

LOCATION.--Lat 34°09'20", long 117°23'41" referenced to North American Datum of 1927, San Bernardino County, CA, Hydrologic Unit 18070203, in Muscupiabe Grant, on left bank of spill channel, 0.10 mi downstream from Southern California Edison Company's Fontana Powerplant, and 3.6 mi northeast of Fontana.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1971 to current year. Records for December 1971 to September 2004 available in the files of the U.S. Geological Survey.

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

REMARKS.--Records poor. Flow at this station represents spill from Southern California Edison Company's Fontana Powerplant afterbay. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 68 ft³/s, Jan. 22, 1978; no flow at times in most 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	0.42	0.00	8.0	0.20	12	0.00	0.00	0.00	0.00	0.00	0.00	6.2
2	1.6	0.00	4.7	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.79	0.00	9.9	0.00	16	0.00	0.00	0.00	0.00	0.39	0.00	0.12
4	0.00	0.00	11	0.00	8.6	0.00	0.00	0.00	0.00	0.92	0.00	0.19
5	0.00	0.14	6.4	0.42	1.4	0.00	0.00	0.00	0.00	0.31	0.00	0.00
6	0.00	1.1	3.6	1.8	1.9	0.00	0.00	0.00	0.00	0.02	0.00	0.00
7	1.3	0.36	10	0.54	0.00	0.00	0.75	0.00	1.9	0.00	0.64	0.09
8	0.28	0.06	4.6	0.00	0.35	3.8	1.4	0.00	5.6	0.99	2.4	0.04
9	0.03	0.32	0.00	0.07	0.00	4.0	0.01	0.00	10	3.8	0.00	0.00
10	0.00	0.32	0.00	0.19	0.00	0.00	0.00	0.00	9.4	5.1	0.00	0.00
11	0.00	0.00	0.00	5.2	0.00	0.00	0.00	0.00	0.00	3.0	0.00	0.00
12	0.00	0.00	0.24	12	0.25	0.00	0.00	0.00	7.0	3.9	0.00	0.83
13	0.00	0.00	1.7	8.2	0.04	0.00	0.00	0.00	4.0	1.7	0.60	0.25
14	0.03	0.00	3.5	0.54	0.00	0.07	0.00	0.00	0.00	4.2	0.58	0.00
15	0.47	0.32	4.9	0.30	0.08	0.00	0.00	0.00	0.00	0.15	0.00	0.00
16	0.02	0.00	2.7	0.00	2.3	0.00	0.00	0.00	0.00	1.3	0.32	0.00
17	0.00	0.00	1.1	1.1	1.8	0.00	0.00	0.00	0.00	4.6	0.00	0.00
18	0.39	0.06	2.9	0.77	0.26	0.00	1.7	0.00	0.00	1.4	0.19	0.00
19	0.12	0.55	1.8	0.00	1.2	0.00	3.4	0.46	0.00	0.00	0.20	0.00
20	0.01	0.07	2.8	0.51	1.2	0.00	3.9	3.6	0.00	0.00	0.00	0.07
21	0.00	0.00	2.3	0.00	1.3	0.00	2.8	0.00	0.00	0.53	0.69	0.08
22	0.21	0.00	2.2	0.00	1.0	0.00	1.6	0.00	0.00	0.21	0.00	0.00
23	1.7	0.00	1.9	0.00	0.37	0.00	0.00	0.28	0.00	0.00	0.00	0.00
24	0.90	0.00	2.0	2.7	1.8	0.00	0.00	0.07	0.00	0.00	0.00	0.00
25	0.05	0.00	2.6	1.2	0.64	0.15	0.00	0.00	0.00	0.00	0.00	0.03
26	0.00	0.00	3.7	0.00	0.12	0.02	0.69	0.00	0.00	0.00	0.00	0.54
27	0.00	1.7	3.4	0.00	0.18	0.04	0.38	0.00	6.3	0.00	0.48	0.00
28	0.00	7.5	1.8	5.5	0.91	0.06	0.00	0.00	0.65	0.00	0.72	0.00
29	2.3	9.0	1.1	14	---	0.00	0.00	0.00	0.00	0.59	2.4	0.00
30	1.7	9.0	1.3	16	---	0.00	0.00	0.00	0.00	0.36	15	0.00
31	0.23	---	0.99	17	---	0.00	---	0.00	---	0.00	15	---
Total	12.55	30.50	103.13	88.24	65.70	8.14	16.63	4.41	44.85	33.47	39.22	8.44
Mean	0.40	1.02	3.33	2.85	2.35	0.26	0.55	0.14	1.50	1.08	1.27	0.28
Max	2.3	9.0	11	17	16	4.0	3.9	3.6	10	5.1	15	6.2
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	25	60	205	175	130	16	33	8.7	89	66	78	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.26	3.22	4.05	4.96	5.61	6.12	6.80	7.27	5.42	4.51	4.67	4.17
Max	25.0	22.1	21.7	20.1	25.4	28.0	45.8	43.8	40.3	29.6	30.6	30.9
(WY)	(1994)	(1984)	(1984)	(1979)	(1979)	(1983)	(1995)	(1995)	(1983)	(1980)	(1993)	(1993)
Min	0.00	0.00	0.00	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1973)	(1991)	(1991)	(1976)	(1977)	(1990)	(1990)	(1981)	(1974)	(1975)	(1974)	(1977)

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SUMMARY STATISTICS

	Calendar Year 2012	Water Year 2013	Water Years 1972 - 2013	
Annual total	408.49	455.28		
Annual mean	1.12	1.25	5.16	
Highest annual mean			17.8	1995
Lowest annual mean			0.13	1990
Highest daily mean	15 May 11	17 Jan 31	68	Jan 22, 1978
Lowest daily mean	0.00 Jan 8	0.00 Oct 4	0.00	Dec 1, 1971
Annual seven-day minimum	0.00 Feb 4	0.00 Mar 1	0.00	Dec 1, 1971
Annual runoff (ac-ft)	810	903	3,740	
10 percent exceeds	2.9	3.9	19	
50 percent exceeds	0.11	0.00	0.49	
90 percent exceeds	0.00	0.00	0.00	

