

10259200 Deep Creek near Palm Desert, CA

Salton Sea Basin

LOCATION.--Lat 33°37'52", long 116°23'29" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.19, T.6 S., R.6 E., Riverside County, CA, Hydrologic Unit 18100200, on left bank, 500 ft downstream from unnamed tributary, and 6.3 mi south of Palm Desert.

DRAINAGE AREA.--30.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,440 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No regulation or diversion upstream from station. See schematic diagram of Salton Sea Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,100 ft³/s, Sept. 10, 1976, gage height, 7.84 ft inside, 11.5 ft from floodmarks, from rating curve extended above 40 ft³/s on basis of slope-area measurement at gage heights 2.68, 5.15, and 7.84 ft, maximum gage height, 10.27 ft, Aug. 14, 1984; no flow for many days most years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and (or) maximum (*), from rating curve extended above 52 ft³/s on basis of slope-area measurements at gage heights 5.15 and 10.27 ft:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 25	2230	*14	*2.04

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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.14
2	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.01	0.00	0.00	0.14
3	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.04	0.01	0.00	0.00	0.15
4	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.03	0.01	0.00	0.00	0.15
5	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.00	0.00	0.00	0.13
6	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.00	0.00	0.00	0.34
7	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.03	0.00	0.00	0.00	0.17
8	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.03	0.00	0.00	0.00	0.15
9	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.13
10	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.10
11	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.08
12	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.08
13	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	0.00	0.00	0.06
14	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.06
15	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.05
16	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.05
17	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.00	0.00	0.00	0.04
18	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	0.00	0.00	0.04
19	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.03
20	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.02	0.00	0.00	0.00	0.03
21	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.02	0.00	0.07	0.00	0.02
22	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.02	0.00	0.00	0.00	0.02
23	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.01
24	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.02	0.00	0.00	0.00	0.01
25	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.02	0.00	0.00	0.97	0.01
26	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00	4.1	0.01
27	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.00	0.00	0.56	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.02	0.00	0.00	0.21	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.07	0.01	0.00	0.00	0.15	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.06	0.01	0.00	0.00	0.13	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.01	---	0.00	0.15	---
Total	0.00	0.00	0.00	0.00	0.00	0.00	4.41	0.71	0.04	0.07	6.27	2.20
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.02	0.00	0.00	0.20	0.07
Max	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.06	0.01	0.07	4.1	0.34
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Ac-ft	0.00	0.00	0.00	0.00	0.00	0.00	8.7	1.4	0.08	0.1	12	4.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.23	0.65	2.11	4.58	6.95	5.06	1.83	0.71	0.27	0.59	0.83	1.02
Max	4.62	16.3	23.5	88.6	101	49.3	12.4	7.15	3.97	11.8	15.3	38.1
(WY)	(1984)	(1966)	(1983)	(1993)	(1980)	(1983)	(1983)	(1983)	(1983)	(1979)	(1984)	(1976)
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)	(1963)	(1963)	(1963)	(1963)	(1963)	(1963)	(1963)	(1962)	(1962)	(1962)	(1962)	(1962)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1962 - 2013	
Annual total	31.66		13.70			
Annual mean	0.09		0.04		2.05	
Highest annual mean					15.1	1993
Lowest annual mean					0.00	2002
Highest daily mean	1.1	Apr 14	4.1	Aug 26	850	Sep 10, 1976
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	May 1, 1962
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	May 1, 1962
Maximum peak flow			14	Aug 25	7,100	Sep 10, 1976
Maximum peak stage			2.04	Aug 25	10.27	Aug 14, 1984
Annual runoff (ac-ft)	63		27		1,490	
10 percent exceeds	0.31		0.13		2.6	
50 percent exceeds	0.00		0.00		0.03	
90 percent exceeds	0.00		0.00		0.00	

