



Water-Data Report 2007

**10258500 Palm Canyon Creek near Palm Springs, CA**

Salton Sea Basin

LOCATION.--Lat 33°44'42", long 116°32'05" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.11, T.5 S., R.4 E., Riverside County, CA, Hydrologic Unit 18100200, on right bank, 0.8 mi upstream from Murray Canyon Creek, and 6 mi south of Palm Springs.

DRAINAGE AREA.--93.1 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1930 to January 1942, October 1947 to current year.

REVISED RECORDS.--WSP 1314: 1936 (instantaneous maximum discharge). WDR CA-88-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 700 ft above NGVD of 1929, from topographic map. Prior to Jan. 14, 1942, at datum 0.2 ft higher.

REMARKS.--No flow for the entire 2007 Water Year. 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, 7,000 ft<sup>3</sup>/s, Feb. 21, 1980, gage height, 7.29 ft, from rating curve extended above 650 ft<sup>3</sup>/s, on basis of slope-area measurements at gage heights 6.38 ft and 6.81 ft; no flow for several months in most years.

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.48	0.75	3.57	9.04	18.4	17.7	6.80	2.07	0.62	0.70	0.93	0.77
<b>Max</b>	11.8	20.6	39.6	203	318	188	80.8	24.1	9.87	15.1	33.0	19.5
<b>(WY)</b>	(2006)	(1966)	(1983)	(1993)	(1980)	(1983)	(1958)	(1983)	(1980)	(1979)	(1983)	(1976)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1931)	(1933)	(1950)	(1951)	(1951)	(1951)	(1934)	(1934)	(1931)	(1931)	(1932)	(1930)

**SUMMARY STATISTICS**

	Calendar Year 2006		Water Year 2007		Water Years 1930 - 2007	
<b>Annual total</b>	88.38		0.00			
<b>Annual mean</b>	0.24		0.00		5.10	
<b>Highest annual mean</b>					47.4 1980	
<b>Lowest annual mean</b>					0.00 1972	
<b>Highest daily mean</b>	12	Apr 6	0.00	Oct 1	2,040	Feb 21, 1980
<b>Lowest daily mean</b>	0.00	May 10	0.00	Oct 1	0.00	Jul 16, 1930
<b>Annual seven-day minimum</b>	0.00	May 10	0.00	Oct 1	0.00	Jul 16, 1930
<b>Maximum peak flow</b>			0.00	Oct 1	7,000	Feb 21, 1980
<b>Maximum peak stage</b>					<sup>a</sup> 7.29	Feb 21, 1980
<b>Annual runoff (ac-ft)</b>	175		0.00		3,700	
<b>10 percent exceeds</b>	0.63		0.00		6.0	
<b>50 percent exceeds</b>	0.00		0.00		0.00	
<b>90 percent exceeds</b>	0.00		0.00		0.00	

<sup>a</sup> From rating curve extended above 650 ft<sup>3</sup>/s, on basis of slope-area measurements at gage heights 6.38 ft and 6.81 ft.