



Water-Data Report 2012

10257720 Chino Canyon Creek below Tramway, near Palm Springs, CA

Salton Sea Basin

LOCATION.--Lat 33°50'39", long 116°36'16" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.7, T.4 S., R.4 E., Riverside County, CA, Hydrologic Unit 18100200, on left bank, 0.5 mi downstream from tram building, 3.5 mi west of Highway 111 on road leading to Palm Springs Aerial Tramway, and 5.5 mi west of Palm Springs.

DRAINAGE AREA.--4.71 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1986 to current year.

CHEMICAL DATA: Water Years 1987-2006, 2008-2011

REVISED RECORDS.--WDR CA-89-1: 1987 (instantaneous maximum discharge).

GAGE.--Water-stage recorder and crest-stage gage. Concrete control with low-water v-notch weir since June 25, 1996. Elevation of gage is 2,100 ft above NGVD of 1929, from topographic map.

REMARKS.--No flow during the 2012 Water Year. Two small diversions upstream, one for city of Palm Springs and one for Palm Springs aerial tramway. October 1974 to July 1985, data published as "Chino Canyon Creek near Palm Springs" (station 10257710), with station located 0.45 mi upstream from present location. Previous gage destroyed by debris flow on July 19, 1985. Data for these sites are roughly equivalent. See schematic diagram of Salton Sea Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153 ft³/s, Jan. 7, 1993, gage height, 10.18 ft, from rating curve extended above 35 ft³/s, on basis of critical depth computations, maximum gage height, 10.88 ft, Dec. 22, 2010; no flow for many days in some years.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.23	0.32	0.51	1.88	1.83	1.59	1.01	0.51	0.20	0.07	0.12	0.17
Max	1.19	1.32	2.98	17.7	17.8	8.82	3.85	2.34	0.88	0.53	1.25	1.38
(WY)	(1994)	(1987)	(2011)	(2005)	(1993)	(1993)	(1993)	(1998)	(1998)	(2005)	(2005)	(1993)
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)	(1991)	(1991)	(1991)	(2012)	(2012)	(2012)	(2007)	(2004)	(1992)	(1989)	(1990)	(1990)

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1987 - 2012	
Annual total	188.82		0.00			
Annual mean	0.52		0.00		0.70	
Highest annual mean					4.02 1993	
Lowest annual mean					0.00 2012	
Highest daily mean	3.6	Jan 1	0.00	Oct 1	110	Jan 11, 2005
Lowest daily mean	0.00	Jun 18	0.00	Oct 1	0.00	Jun 15, 1989
Annual seven-day minimum	0.00	Jun 18	0.00	Oct 1	0.00	Jun 15, 1989
Maximum peak flow			0.00 Oct 1		153	Jan 7, 1993
Maximum peak stage					10.88	Dec 22, 2010
Annual runoff (ac-ft)	375		0.00		506	
10 percent exceeds	1.9		0.00		1.5	
50 percent exceeds	0.00		0.00		0.12	
90 percent exceeds	0.00		0.00		0.00	

10257720 Chino Canyon Creek below Tramway, near Palm Springs, CA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

CHEMICAL DATA: Water years 1987 to current year. Water Year 2007 published as Chino Canyon Creek near Palm Springs.

REMARKS.--No flow during the 2012 Water Year.