



Water-Data Report 2007

11012000 Cottonwood Creek above Tecate Creek, near Dulzura, CA

Tijuana River Basin

LOCATION.--Lat 32°34'30", long 116°45'11" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.26, T.18 S., R.2 E., San Diego County, CA, Hydrologic Unit 18070305, on right bank, 0.8 mi upstream from confluence with Tecate Creek, 5.1 mi south of Dulzura, and 11.3 mi downstream from Barrett Lake.

DRAINAGE AREA.--310 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1936 to September 2007 (discontinued).

REVISED RECORDS.--WSP 1245: 1937-1938. WSP 1928: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.40 ft above NGVD of 1929 (levels by International Boundary and Water Commission).

REMARKS.--No flow for 2007 Water Year. Flow regulated by Morena Reservoir, capacity, 50,210 acre-ft, and Barrett Lake (station 11011000), capacity, 44,760 acre-ft. Water diverted from Barrett Lake through San Diego and Dulzura Conduits to Lower Otay Lake (station 11014550).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,700 ft³/s, Feb. 21, 1980, gage height, 11.15 ft, from rating curve extended above 8,700 ft³/s; no flow for part of each year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.08	0.70	2.25	17.8	48.4	63.8	32.3	11.4	4.09	1.27	0.98	0.99
Max	66.0	18.8	40.5	605	1,200	1,443	676	296	99.5	47.5	24.4	57.4
(WY)	(1994)	(1984)	(1984)	(1993)	(1980)	(1983)	(1941)	(1983)	(1980)	(1980)	(1980)	(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)	(1937)	(1937)	(1950)	(1951)	(1951)	(1951)	(1955)	(1947)	(1940)	(1939)	(1938)	(1937)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1937 - 2007	
Annual total	22.57		0.00			
Annual mean	0.06		0.00		15.2	
Highest annual mean					243 1983	
Lowest annual mean					0.00 1956	
Highest daily mean	2.9	Apr 5	0.00	Oct 1	8,430	Feb 21, 1980
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1936
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1936
Maximum peak flow					11,700 Feb 21, 1980	
Maximum peak stage					11.15 Feb 21, 1980	
Annual runoff (ac-ft)	45		0.00		11,030	
10 percent exceeds	0.14		0.00		9.0	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	