



Water-Data Report 2006

11070020 Bautista Creek at Head of Flood Control Channel, near Hemet, CA

Santa Ana River Basin

LOCATION.--Lat 33°42'42", long 116°52'04" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.27, T.5 S., R.1 E., Riverside County, Hydrologic Unit 18070202, on right bank, at head of concrete-lined flood channel, 3.0 mi southeast of Valle Vista, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--47.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1987 to September 2006 (discontinued).

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 2,080 ft above NGVD of 1929, from topographic map. Prior to October 1988 at datum 10.0 ft lower.

REMARKS.--No regulation upstream from station. Sand and gravel operations upstream from station may reduce runoff and cause peak attenuation. Minor diversion upstream from station for irrigation. Gage moved downstream in water year 2007, new site number will be 11070070. See schematic diagram of Santa Ana River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,310 ft³/s, Jan. 16, 1993, gage height, 3.53 ft, from rating curve developed on basis of critical-depth computations at concrete control; no flow for most of each year.

PEAK DISCHARGES FOR CURRENT YEAR.—No flow for the entire 2006 water year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.00	0.01	0.03	2.70	2.72	2.49	0.32	0.05	0.00	0.06	0.04	0.03
Max	0.06	0.21	0.41	31.1	22.3	26.4	3.39	0.58	0.01	1.11	0.55	0.50
(WY)	(1997)	(1997)	(2005)	(1993)	(1993)	(1995)	(1998)	(1998)	(1995)	(1999)	(1994)	(1995)
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)	(1988)	(1988)	(1989)	(1989)	(1989)	(1989)	(1989)	(1988)	(1988)	(1988)	(1989)	(1988)

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1988 - 2006	
Annual total	572.91		0.00			
Annual mean	1.57		0.00		0.70	
Highest annual mean					4.35 1993	
Lowest annual mean					0.00 1989	
Highest daily mean	214	Jan 11	0.00	Oct 1	298	Jan 16, 1993
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1987
Annual seven-day minimum	0.00	Jan 13	0.00	Oct 1	0.00	Oct 1, 1987
Maximum peak flow					1,310	Jan 16, 1993
Maximum peak stage					3.53	Jan 16, 1993
Annual runoff (ac-ft)	1,140		0.00		505	
10 percent exceeds	0.00		0.00		0.00	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	