



Water-Data Report 2007

11108134 Castaic Creek below Metropolitan Water District Diversion, below Castaic Lake, near Castaic, CA

Santa Clara River Basin

LOCATION.--Lat 34°31'10", long 118°36'34" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.13, T.5 N., R.17 W., Los Angeles County, CA, Hydrologic Unit 18070102, in outlet structure below Castaic Dam, and 1.9 mi north of Castaic.

DRAINAGE AREA.--138 mi², excludes 18.1 mi² noncontributing area in Elizabeth Canyon Creek Basin.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1994 to current year. Records for 1995 water year published as station 11108135. Records for station 11108135 for October 1976 to September 1978 and October 1988 to September 1994 are not equivalent at low flows due to evaporation and seepage. Published as "Castaic Creek Release Flow" prior to October 2000.

GAGE.--Flow meters on outlet pipes. Elevation of gage is 1,240 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records were collected by California Department of Water Resources, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2426.

REMARKS.--No flow for entire 2007 water year. Flow regulated by Castaic Lake (station 11108133). See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,790 ft³/s, Jan. 10, 2005; no flow for many days each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 7,670 ft³/s, Mar. 2, 1983, at station 11108135.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.38	0.84	1.70	44.5	83.9	47.8	33.8	23.1	10.3	6.42	2.89	0.60
Max	4.94	11.0	15.1	527	675	211	99.3	123	57.3	34.2	29.9	7.80
(WY)	(1999)	(1999)	(1999)	(2005)	(2005)	(2005)	(2006)	(1998)	(2000)	(1995)	(1995)	(1998)
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)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(1995)	(1996)	(1996)	(1996)	(1995)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1995 - 2007	
Annual total	8,999.00		0.00			
Annual mean	24.7		0.00		21.0	
Highest annual mean					126	2005
Lowest annual mean					0.00	2002
Highest daily mean	406	Apr 6	0.00	Oct 1	6,790	Jan 10, 2005
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1994
Annual seven-day minimum	0.00	Jul 1	0.00	Oct 1	0.00	Oct 1, 1994
Annual runoff (ac-ft)	17,850		0.00		15,200	
10 percent exceeds	57		0.00		34	
50 percent exceeds	0.00		0.00		0.00	
90 percent exceeds	0.00		0.00		0.00	