Water-Data Report 2007

11045700 O'Neill Lake Spill Channel near Fallbrook, CA

Santa Margarita River Basin

LOCATION.--Lat 33°19′44″, long 117°19′35″ referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.8, T.10 S., R.4 W., San Diego County, CA, Hydrologic Unit 18070302, on Camp Joseph H. Pendleton Naval Reservation, on right bank, 100 ft upstream from spillway on O'Neill Lake, 1.3 mi upstream from confluence with Santa Margarita River, and 5.5 mi southwest of Fallbrook.

DRAINAGE AREA.--9.77 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1998 to February 2003, October 2003 to current year.

GAGE.--Water-stage recorder and sharp-crested weir (wooden flashboards in four weir boxes). Elevation of gage is 110 ft above NGVD of 1929, from topographic map.

REMARKS.--Records for this station represent spill from O'Neill Lake. Minor seepage through weir flashboards may occur at times and is not indicated in records for this station. Water is sometimes diverted into O'Neill Lake from the Santa Margarita River via a diversion dam 0.55 mi above gage. Slight regulation by two small storage reservoirs upstream from gaging station on Fallbrook Creek near Fallbrook (station 11045300). See schematic diagram of Santa Margarita River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 260 ft^3/s, Jan. 11, 2005, gage height, 8.14 ft, from rating curve developed on basis of sharp-crested weir computations; no flow for all or most of each year.

PEAK DISCHARGES FOR CURRENT YEAR.--No flow for the entire year.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.00	0.00	0.00	0.41	0.46	0.05	0.10	0.00	0.00	0.00	0.00	0.00
Max	0.00	0.00	0.00	3.73	3.71	0.41	0.80	0.00	0.00	0.00	0.00	0.00
(WY)	(1999)	(1999)	(1999)	(2005)	(2005)	(2001)	(2001)	(1999)	(1999)	(1999)	(1999)	(1999)
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)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1999 - 2007	
Annual total	0.00		0.00			
Annual mean	0.00		0.00		0.09	
Highest annual mean					0.60	2005
Lowest annual mean					0.00	1999
Highest daily mean	0.00	Jan 1	0.00	Oct 1	114	Jan 11, 2005
Lowest daily mean	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1998
Annual seven-day minimum	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1998
Maximum peak flow					260	Jan 11, 2005
Maximum peak stage					8.14	Jan 11, 2005
Annual runoff (ac-ft)	0.00		0.00		64	
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	