



Water-Data Report 2007

**11085000 San Gabriel River below Santa Fe Dam, near Baldwin Park, CA**

San Gabriel River Basin

LOCATION.--Lat 34°06'44", long 117°58'07" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.6, T.1 S., R.10 W., Los Angeles County, CA, Hydrologic Unit 18070106, on left bank, at stilling basin of outlet of Santa Fe Flood-Control Dam, 500 ft downstream from axis of dam, and 1.7 mi north of Baldwin Park.

DRAINAGE AREA.--236 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1942 to current year.

REVISED RECORDS.--WSP 1315-B and 1635: 1943 (instantaneous maximum discharge). WSP 1928: Drainage area. WDR CA-99-1: 1998.

GAGE.--Water-stage recorder. Auxiliary gage 500 ft downstream with crest-stage gage and concrete control. Datum of gage is 400.00 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

COOPERATION.--Records of diversion to Rio Hondo provided by Los Angeles County Department of Public Works.

REMARKS.--No flow for 2007 Water Year. Flow regulated by Cogswell and San Gabriel Flood-Control Reservoirs, combined capacity, 43,170 acre-ft; Morris Reservoir, capacity, 28,800 acre-ft, and Santa Fe Flood-Control Reservoir, capacity, 32,100 acre-ft. Diversions upstream from station for irrigation, power development, and ground-water replenishment. At times water is diverted from side of stilling basin to headwaters of Rio Hondo; no water was diverted during the current year. See schematic diagram of San Gabriel and Los Angeles River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,900 ft<sup>3</sup>/s, Jan. 26, 1969, gage height, 22.20 ft; no flow for many days each year.

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2.89	14.9	26.4	160	239	180	53.7	60.7	22.0	8.02	5.17	8.58
<b>Max</b>	74.6	577	514	2,685	3,259	2,465	616	768	414	170	121	206
<b>(WY)</b>	(1993)	(1966)	(1947)	(2005)	(1969)	(1978)	(1978)	(1998)	(1958)	(1962)	(1962)	(1946)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1943)	(1943)	(1943)	(1945)	(1947)	(1947)	(1945)	(1945)	(1945)	(1943)	(1943)	(1943)

**SUMMARY STATISTICS**

	Calendar Year 2006		Water Year 2007		Water Years 1943 - 2007	
<b>Annual total</b>	2,320.01		0.00			
<b>Annual mean</b>	6.36		0.00		64.2	
<b>Highest annual mean</b>					540 1969	
<b>Lowest annual mean</b>					0.00 1948	
<b>Highest daily mean</b>	144	Feb 28	0.00	Oct 1	26,000	Jan 26, 1969
<b>Lowest daily mean</b>	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1942
<b>Annual seven-day minimum</b>	0.00	Jan 7	0.00	Oct 1	0.00	Oct 1, 1942
<b>Maximum peak flow</b>			0.00	Oct 1	30,900	Jan 26, 1969
<b>Maximum peak stage</b>			9.49	Apr 23	22.20	Jan 26, 1969
<b>Annual runoff (ac-ft)</b>	4,600		0.00		46,530	
<b>10 percent exceeds</b>	5.5		0.00		53	
<b>50 percent exceeds</b>	0.00		0.00		0.00	
<b>90 percent exceeds</b>	0.00		0.00		0.00	