

Water-Data Report 2006

**11049300 Santa Ana River below Southern California Edison Co.'s No. 1 Diversion Dam,
near Running Springs, CA**

Santa Ana River Basin

LOCATION.--Lat 34°09'36", long 117°00'56" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.19, T.1 N., R.1 W., San Bernardino County, Hydrologic Unit 18070203, on right bank, 150 ft downstream from confluence with Bear Creek, 250 ft downstream from Southern California Edison Co.'s No. 1 diversion dam, and 6.3 mi southeast of Running Springs.

DRAINAGE AREA.--181 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2003 to January 2006 (discontinued). Instantaneous values only, based on discharge measurements.

GAGE.--None. Elevation of gage is 3,430 ft above NAVD of 1988, from topographic map.

COOPERATION.--Records were provided by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project No. 1933.

REMARKS.--Flow partly regulated by Big Bear Lake (station 11049000). Southern California Edison Co.'s Santa Ana River Canal (station 11049500) diverts water at diversion dam, approximately 250 ft upstream. Measured flow at this station represents leakage from the diversion dam, bypass flow that is not captured by the diversion facilities, and water released back to the Santa Ana River from the Santa Ana River Canal. Weekly discharge measurements are normally made at this station to address minimum release requirements. Measurements are generally not made, and are not required, when the diversion is turned out, or the diversion dam is spilling. This station was replaced in February 2006 by station 11049250 (Southern California Edison Co.'s Santa Ana River Low Flow Release below No. 1 Diversion Dam, near Running Springs), which provides a continuous record of releases from the Santa Ana River Canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 163 ft³/s, May 5, 2005 (diversion turned out following large storms); minimum discharge observed, 4.9 ft³/s, Aug. 2, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 11 ft³/s, Jan. 30; minimum discharge observed, 7.1 ft³/s, Nov. 21.

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DISCHARGE, CUBIC FEET PER SECOND
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
 DAILY INSTANTANEOUS VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	8.5	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	8.0	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	9.8	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	7.3	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	8.0	---	---	---	---	---	---	---	---	---	---	---
13	---	---	7.3	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	9.2	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	7.1	---	---	---	---	---	---	---	---	---	---
22	---	---	7.6	---	---	---	---	---	---	---	---	---
23	---	---	---	7.4	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	8.5	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	7.3	7.4	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	11	---	---	---	---	---	---	---	---
31	8.5	---	---	---	---	---	---	---	---	---	---	---