

Water-Data Report 2007

11055000 Mill Creek near Mentone, CA

Santa Ana River Basin

LOCATION.--Lat 34°04'40", long 117°05'54" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.16, T.1 S., R.2 W., San Bernardino County, CA, Hydrologic Unit 18070203, at Garnet Street Bridge, 1.5 mi northeast of Mentone, and 1.55 mi upstream from mouth.

DRAINAGE AREA.--49.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1939 to September 1965, October 1997 to current year. Monthly discharge only for February 1939, published in WSP 1315-B. Instantaneous values only, based on discharge measurements, since October 1997.

GAGE.--None. Elevation of station is 2,010 ft above NGVD of 1929, from topographic map. February 1939 to September 1965, water-stage recorder and broad-crested weir at site 1.2 mi downstream.

COOPERATION.--Discharge measurements are provided by the San Bernardino Valley Water Conservation District during most years; no measurements were provided during water year 2007. Several observations of no flow were made during the year and provided to the U.S Geological Survey.

REMARKS.--No regulation above station. Mill Creek Power Canals Nos. 1 and 3 divert from points 3.8 mi and 9.8 mi above station, respectively, and a varying portion of the remaining flow is sometimes diverted at a point 0.7 mi upstream for ground-water recharge. Power Canal No. 2, which diverted from a point 6.8 mi upstream from station, was damaged during an earthquake in 1992, has not been used since 1992, and has been permanently discontinued. Pumping of wells along stream above station for irrigation. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(1939-65) Maximum discharge, 1,500 ft³/s, Dec. 23, 1945, gage height, 6.5 ft, site and datum then in use, on basis of slope-area measurement of maximum flow; no flow for parts of each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 7.7 ft³/s, Sept. 10; no flow observed many times during year.

11055000 Mill Creek near Mentone, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY INSTANTANEOUS VALUES

| Day | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- |
| 2 | --- | 1.2 | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- |
| 3 | 1.3 | --- | --- | --- | --- | --- | 0.39 | --- | --- | 0.00 | 0.00 | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | 1.2 | --- | --- | 0.48 | --- | --- | --- | 0.00 | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | 0.00 | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | 0.06 | --- | --- | 0.00 | --- |
| 8 | --- | --- | --- | --- | 0.54 | --- | --- | --- | --- | --- | 0.00 | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 7.7 |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | --- |
| 13 | --- | --- | 0.75 | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | 0.00 | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | --- | --- |
| 16 | --- | --- | --- | 0.43 | --- | --- | --- | --- | --- | 0.00 | --- | --- |
| 17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | --- |
| 18 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- | 0.00 |
| 19 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- | 0.00 |
| 20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 |
| 21 | --- | 1.1 | --- | --- | --- | 0.36 | --- | 0.04 | 0.00 | --- | 0.00 | 0.00 |
| 22 | --- | --- | --- | --- | 0.61 | --- | --- | --- | 0.00 | --- | 0.00 | --- |
| 23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- |
| 24 | 1.6 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 |
| 25 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- | 0.00 |
| 26 | --- | --- | --- | --- | --- | --- | 0.15 | --- | 0.00 | 0.00 | --- | 0.00 |
| 27 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | 0.00 | 0.00 |
| 28 | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | 0.00 | --- |
| 29 | --- | --- | --- | 0.59 | --- | --- | --- | --- | 0.00 | --- | 0.00 | --- |
| 30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | 0.00 | --- |
| 31 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0.00 | --- | --- |