

Water-Data Report CA-2005

**10260780 EAST BRANCH CALIFORNIA AQUEDUCT AT MOJAVE SIPHON POWERPLANT,
NEAR HESPERIA, CA**

Mojave River Basin

LOCATION.--Lat 34°18'25", long 117°19'24" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.32, T.3 N., R.4 W., San Bernardino County, Hydrologic Unit 18090208, in San Bernardino National Forest, in powerplant and bypass channel, 0.2 mi north of Silverwood Lake, and 8.3 mi south of Hesperia.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1995 to current year. Unpublished records for water years 1975-94 available in files of the California Department of Water Resources. Published as "Mojave Siphon Powerplant" prior to October 1999. Records for water year 2005 have not been furnished for review.

REVISED RECORDS.--WDR CA-00-1: 1997-99.

GAGE.--Acoustic-velocity meters on intake pipes. Water stage recorder in stilling well on bypass flume. Elevation of powerplant is 3,182 ft above NGVD of 1929. Elevation of bypass gage is 3,372.5 ft above NGVD of 1929, from California Department of Water Resources.

REMARKS.--Flow at this site represents East Branch California Aqueduct water to Silverwood Lake. Flow at this site has two components which are combined for publication: flow through the powerplant, and bypass flow through the flume. No flow through the bypass flume has occurred since Mar. 30, 2001. See schematic diagram of Mojave River Basin.

COOPERATION.--Records 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. Records not furnished for water year 2005.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,200 ft³/s, July 14, 1997; no flow for many days in some years.