

Water-Data Report 2009

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, CA, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1995 to September 2004, October 2005 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 Unpublished records for water years 1975-94 available in files of the California Department of Water Resources.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.

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.

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.

REMARKS.--Records for the 2009 water year were not provided for review and therefore not published. 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. See schematic diagram of Mojave River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,260 ft³/s, Apr. 17, 2007; no flow for many days in some years.