

Water-Data Report 2013

11272500 Merced River near Stevinson, CA

San Joaquin River Basin

LOCATION.--Lat 37°22'15", long 120°55'46" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.36, T.6 S., R.9 E., Merced County, CA, Hydrologic Unit 18040002, on right bank, 30 ft below Lower Stevinson drain, 4.4 mi upstream from mouth, and 5.3 mi northwest of Stevinson.

DRAINAGE AREA.--1,273 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1940 to September 1995, October 2001 to current year.

CHEMICAL ANALYSES: Water years 1993-94.

SPECIFIC CONDUCTANCE: Water years 1989-94.

WATER TEMPERATURE: Water years 1989-94.

SEDIMENT DATA: Water years 1993-94.

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. October 1940 to Aug. 15, 1955, at datum 55.74 ft higher; Aug. 16, 1955, to Sept. 30, 1959, at datum 54.74 ft higher.

COOPERATION.--Records provided by California Department of Water Resources, under general supervision of the U.S. Geological Survey. October 2001 to September 2010, gage height record and discharge measurements were furnished by California Department of Water Resources with mean daily discharges computed by U.S. Geological Survey personnel.

REMARKS.--Records for 2013 water year were not provided for review and therefore not published. Practically entire flow is diverted upstream from station for irrigation of 120,000 acres during low runoff years. Some return flow enters upstream from station. Flow regulated by three reservoirs, combined capacity, 1,035,000 acre-ft, the largest of which is Lake McClure (station 11269500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s, Dec. 5, 1950, elevation, 73.79 ft, present datum; no flow July 19 to Aug. 21, 1961, result of temporary dam.