11351950 Pit River below diversion to Muck Valley Powerplant, near Bieber, CA

Sacramento River Basin

LOCATION.--Lat 41°00′55″, long 121°09′13″ referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.27, T.37 N., R.7 E., Lassen County, CA, Hydrologic Unit 18020003, on right bank, 1.7 mi upstream from North Gulch, 2.2 mi upstream from Spring Gulch, and 7.4 mi south of Bieber.

DRAINAGE AREA.--2,475 mi², excluding Goose Lake Basin.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Acoustic-velocity meter measures minimum bypass flow; water-stage recorder and Ogee weir for spillway. Elevation of gage is 4,120 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records were provided by Malacha Hydro Limited Partnership, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory commission project no. 8296.

REMARKS.--Records for 2013 water year were not provided for review and therefore not published. Flow at this station has two components which are combined for publication: low-flow release (station 11351946) and flow over Ogee weir (station 11351948). Water is diverted upstream of weir through Pit River Tunnel (station 11351945) to Collett Reservoir (station 11351600), for power generation. During powerplant operation, the minimum release is 50 ft³/s. See schematic diagram of Pit River and McCloud River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 16,800 ft³/s, Jan. 3, 1997; no flow many days during most years.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 11351950, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/11351950.2013.pdf