

11364200 Roaring Creek below Diversion to Roaring Creek Powerplant, near Montgomery Creek, CA

Sacramento River Basin

LOCATION.--Lat 40°53'22", long 121°56'59" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.15, T.35 N., R.1 W., Shasta County, CA, Hydrologic Unit 18020003, on left bank, 1,500 ft downstream from Cove Road, 0.5 mi downstream from Little Roaring Creek and 3.5 mi northwest of Montgomery Creek.

DRAINAGE AREA.--34.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1987 to September 1988, October 1989 to September 1990, October 1990 to September 1996, October 2000 to September 2001, October 2002 to current year (October 1987 to September 1988, October 1989 to September 1990, October 2000 to September 2001, October 2002 to current year operated as low-flow station only).

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 1,580 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1988, at site 750 ft upstream at different datum.

COOPERATION.--Records, including discharge for Roaring Creek Powerplant (station 11364155), provided by Shasta Hydroelectric, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project 7282.

REMARKS.--Records for 2013 water year were not provided for review and therefore not published. During times of powerplant operation the minimum flow requirement is 15 ft³/s, except March to May when the minimum release requirement is 40 ft³/s. Flows computed to 130 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 discharge (Water years 1991-96) , 1,690 ft³/s, Jan. 13, 1995, gage height, 4.84 ft, from rating curve extended above 50 ft³/s on basis of theoretical computation of flow over weir; minimum daily, 4.4 ft³/s, Sept. 13, 14, 16, 2003, Aug. 14-17, 21-24, 2008.