

11414400 FRENCH LAKE NEAR CISCO CA

LOCATION.--Lat 39°25'16", long 120°32'28" referenced to North American Datum of 1927, in SE 1/4 SW 1/4 sec.17, T.18 N., R.13 E., Nevada County, CA, Hydrologic Unit 18020125, Tahoe National Forest, on right bank, near French Lake Dam on Canyon Creek, 0.5 mi upstream from Weil Lake, and 8.2 mi north of Cisco.

DRAINAGE AREA.--4.60 mi².

ESTABLISHMENT AND HISTORY.--Dam completed in 1859. Records reviewed by USGS beginning Oct 1965. Staff gages established by USGS in November 1968 and extended down to minimum lake level in July 1976.

GAGE.--Design Analysis H350XL/355 pressure transducer and data logger / air compressor hooked to a Design Analysis H-222 DASE GOES satellite transmitter and Tele Design radio telemetry unit. Elevation of gage is 6,660 ft.

Outside gage: standard enameled sections on 7 vertical staffs and 3 sloping staffs on right bank just upstream from dam.

REGULATION AND DIVERSIONS.--Flow is normally released through valve in dam.

ACCURACY.--Good.

COOPERATION.--Nevada Irrigation District operates the gage.

JUSTIFICATION.--Required under FERC license 2266 to record the elevation and storage in a small project reservoir.

REMARKS.--Usable contents of French Lake are 13,940 acre-ft between spillway crest at elevation 6660.28 ft, and invert of outlet at 6594.90 ft.