

11421800 ROLLINS RESERVOIR NEAR COLFAX CA

LOCATION.--Lat 39°08'06.9"N, long 120°57'01.6"W referenced to North American Datum of 1927, in NE 1/4 SE 1/4 sec.22, T.15 N., R.9 E., Placer County, CA, Hydrologic Unit 18020126, on left bank, 300' upstream from Rollins Dam, 2.3 mi north of Colfax.

DRAINAGE AREA.--104 mi².

ESTABLISHMENT AND HISTORY.--Aug. 1964 by USGS.

GAGE.--Design Analysis H350XL datalogger-pressure transducer and H3551T-50 bubbler, DASE H-222 Goes Satellite Transmitter and TeleDesign radio transmit data to the office.

The outside gage is 23 vertical staffs on the steep left bank just upstream from the gage.

Datum of gage is mean sea level (levels by Nevada Irrigation District).

FLOODS.--Maximum contents:

71,700 acre-ft, Feb 17, 1986, elevation 2177.7'

71,300 acre-ft, Jan 02, 1997, elevation 2177.3'

69,300 acre-ft, Dec 31, 2005, elevation 2176.9'

69,900 acre-ft, Jan 11, 2017, elevation 2175.66'

REGULATION AND DIVERSIONS.--Discharge normally is released through outlet tunnel to Rollins Powerplant at left abutment of dam. Ungated spillway on right bank with crest elevation of 2171.0'.

ACCURACY.--Excellent.

COOPERATION.--Nevada Irrigation District operates gage.

JUSTIFICATION.--Required under FERC license 2266.

REMARKS.--Usable contents of Rollins Reservoir are 65,720 acre-ft between spillway crest, 2171.0', capacity, 65,990 acre-ft, and invert of outlet tunnel, elevation 1970.0', capacity, 270 acre-ft. Crest of rockfill portion of dam is 2187.5'.