

Water-Data Report 2007

11417950 Harry L. Englebright Lake near Smartville, CA

Sacramento River Basin

LOCATION.--Lat 39°14'23", long 121°16'07" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.14, T.16 N., R.6 E., Yuba County, CA, Hydrologic Unit 18020125, in intake tower on right bank of reservoir, 0.9 mi upstream from Deer Creek and 2.7 mi northeast of Smartville.

DRAINAGE AREA.--1,108 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year. Records of daily storage, 1973-2001, available in files of the U.S. Geological Survey.

REVISED RECORDS.--WDR CA-03-4: 2002, Monthend and annual maximum and minimum elevations.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (Army Corps of Engineers).

COOPERATION.--Records collected by Pacific Gas and Electric Company, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 1403.

REMARKS.--Records for 2007 water year did not meet U. S. Geological Survey requirements and were not published. Reservoir is formed by a concrete arch dam, 1,142 ft long and 260 ft tall, completed in 1941 by the Army Corps of Engineers, water storage began the same year. Gross pool is 70,000 acre-ft, usable storage, 45,000 acre-ft between elevation of spill lip, 527 ft and elevation of intake to Narrows Powerplant No. 1 (station 11417970), 450 ft. Reservoir receives inflow from North, Middle and South Forks of Yuba River which are regulated releases except during spill conditions. Dam has no low-level outlet except water that is released through Narrows Powerplant Nos. 1 and 2 (station 11417980). Site is used by Pacific Gas and Electric Company to compute mid-night storage contents for Reservoir. Records, excluding extremes, represent contents at 2400 hours. See schematic diagram of South Yuba River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 56,000 acre-ft, Dec. 31, 2005, elevation, 539.96 ft; minimum, 34,200 acre-ft, Jan. 5, 2004, elevation, 513.00 ft.