



Water-Data Report 2007

11367740 Lake McCloud near McCloud, CA

Sacramento River Basin

LOCATION.--Lat 41°08'06", long 122°04'26" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.22, T.38 N., R.2 W., Shasta County, CA, Hydrologic Unit 18020004, Shasta National Forest, on McCloud Dam near spillway on McCloud River, 200 ft downstream from Panther Creek, and 8.8 mi southeast of McCloud.

DRAINAGE AREA.--403 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1965 to current year (monthend contents only).

GAGE.--Water-stage recorder. Datum of gage is 2,690 ft above NGVD of 1929 (levels by Pacific Gas and Electric Co.). Monthend contents based on capacity table dated June 29, 1965, provided by Pacific Gas and Electric Co.

COOPERATION.--Record of contents collected by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project no 2106. Contents not rounded to U.S. Geological Survey standards prior to water year 2003.

REMARKS.--Reservoir is formed by a rock-fill dam completed in 1965. Usable capacity, 35,231 acre-ft, between elevations 2,471.30 ft, invert of sluice pipe, and 2,680.00 ft, maximum operational water surface. Dead storage, 3 acre-ft. Normal operating pool is from elevation 2,635.00 ft, capacity, 16,425 acre-ft, to 2,680.00 ft, capacity, 35,234 acre-ft. Water is diverted from Lake McCloud (station 11367740) through a diversion tunnel to Iron Canyon Reservoir (station 11363920) and then into the Pit River via James B. Black Powerplant (station 11363910). Figures given represent total contents. Water is used for power generation and recreation. See schematic diagram of Pit and McCloud River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(at 2400 hours) Maximum contents, 35,967 acre-ft, Jan. 15, 1974, elevation, 2,681.40 ft; minimum since reservoir first filled, 13,017 acre-ft, Oct. 14-22, 1981, elevation, 2,632.50 ft.

EXTREMES FOR CURRENT YEAR.--(at 2400 hours) Maximum contents, 34,000 acre-ft, May 26-31, June 1, elevation, 2,677.60 ft; minimum, 17,500 acre-ft, Jan. 2, elevation, 2,638.30 ft.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[e, estimated]

Date	Elevation (ft)	Contents (acre-ft)	Change in contents (acre-ft)
September 30	2,673.60	e32,000	---
October 31	2,668.50	29,600	-2,400
November 30	2,647.30	20,700	-8,900
December 31	2,639.50	17,900	-2,800
CAL YR 2006	---	---	-17,100
January 31	2,643.20	19,200	+1,300
February 28	2,664.10	27,600	+8,400
March 31	2,662.10	26,700	-900
April 30	2,671.30	30,900	+4,200
May 31	2,677.60	34,000	+3,100
June 30	2,674.60	32,500	-1,500
July 31	2,675.20	32,800	+300
August 31	2,672.80	31,600	-1,200
September 30	2,665.70	28,300	-3,300
WTR YR 2007	---	---	-3,700