



Water-Data Report 2007

11511400 Copco Lake near Copco, CA

Klamath River Basin

LOCATION.--Lat 41°58'46", long 122°20'00" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.29, T.48 N., R.4 W., Siskiyou County, CA, Hydrologic Unit 18010206, 12.7 mi northeast of Hornbrook.

DRAINAGE AREA.--4,300 mi², approximately (not including Lost River, Butte Creek, or Lower Klamath Lake Basins).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1967 to current year (monthend contents only).

GAGE.--Pressure device and telemark read once daily. Datum of gage is NGVD of 1929 (levels by PacifiCorp, formerly Pacific Power and Light Co.). Monthend contents computed from capacity table provided by Pacific Power and Light Co., dated Aug. 25, 1964.

COOPERATION.--Records were provided by PacifiCorp, formerly Pacific Power and Light Co., in connection with Federal Energy Regulatory Commission project no. 2082. Contents not rounded to U.S. Geological Survey standards.

REMARKS.--Lake is formed by gravity-type dam completed in 1922. Usable capacity, 17,107 acre-ft, between elevations 2,607.5 ft, top of tainter gates, and 2,588.5 ft, invert to powerplant intake. Dead storage, 29,760 acre-ft, below elevation 2,588.5 ft. Figures given represent total contents at 0800 hours. Lake is used for power generation. See schematic diagram of Klamath River and Trinity River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(at 0800 hours) Maximum contents, 46,869 acre-ft, July 26, 2004, elevation, 2,607.50 ft; minimum since first filling, 30,360 acre-ft, Aug. 19, 1971, elevation, 2,589.24 ft.

EXTREMES FOR CURRENT YEAR.--(at 0800 hours) Maximum contents, 46,550 acre-ft, Feb. 17, elevation, 2,607.18 ft; minimum, 40,186 acre-ft, Jan. 16, elevation, 2,600.52 ft.

**MONTHEND ELEVATION AND CONTENTS AT 0800 HOURS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

| Date | Elevation (ft) | Contents (acre-ft) | Change in contents (acre-ft) |
|--------------|----------------|--------------------|------------------------------|
| September 30 | 2,605.88 | 45,272 | -- |
| October 31 | 2,603.23 | 42,724 | -2,548 |
| November 30 | 2,603.91 | 43,371 | +647 |
| December 31 | 2,604.30 | 43,744 | +373 |
| CAL YR 2006 | -- | -- | -1,372 |
| January 31 | 2,602.81 | 42,326 | -1,418 |
| February 28 | 2,604.29 | 43,735 | +1,409 |
| March 31 | 2,605.56 | 44,960 | +1,225 |
| April 30 | 2,606.32 | 45,702 | +742 |
| May 31 | 2,605.13 | 44,544 | -1,158 |
| June 30 | 2,603.55 | 43,027 | -1,517 |
| July 31 | 2,605.48 | 44,882 | +1,855 |
| August 31 | 2,606.71 | 46,085 | +1,203 |
| September 30 | 2,606.33 | 45,712 | -373 |
| WTR YR 2007 | -- | -- | +440 |