



Water-Data Report 2007

**06066000 HOLTER LAKE NEAR WOLF CREEK, MT**

Upper Missouri Basin  
Upper Missouri Subbasin

LOCATION.--Lat 46°59'28", long 112°00'17" referenced to North American Datum of 1927, in SE ¼ sec.5, T.14 N., R.3 W., Lewis and Clark County, MT, Hydrologic Unit 10030101, at Holter Dam on Missouri River, 3.3 mi east of Wolf Creek, and at river mile 2,211.1.

DRAINAGE AREA.--17,149 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--January 1936 to current year. Records prior to October 1939, published only in Water Supply Paper (WSP) 1309. April to July 1953 scattered daily elevations and contents, published in WSP 1320-B. May to June 1964 daily elevations and contents, published in WSP 1840-B. Records of daily elevations are in files of the USGS Water Science Center located in Helena, Montana. Prior to 1950, published as Holter Reservoir near Wolf Creek. Nonrecording gage read three times daily.

GAGE.--Elevation of gage is at sea level (levels by the Montana Power Company).

COOPERATION.--Records furnished by PPL EnergyPlus, LLC.

REMARKS.--Reservoir is formed by concrete dam completed in 1918. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 81,920 acre-ft between elevation 3,543.00 ft, bottom of tunnel, and 3,564.00 ft, top of flashboards. Dead storage is 158,500 acre-ft below elevation 3,543.00 ft. Storage is not normally drawn below 3,548.00 ft, 16,660 acre-ft. Figures given herein represent usable contents. Water is used for power and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 85,250 acre-ft, June 19, 1970, elevation, 3,564.70 ft; no storage Feb. 29, Dec. 31, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 82,200 acre-ft, Mar. 23, elevation, 3,564.06 ft; minimum contents observed, 79,380 acre-ft, Nov. 27 and 28, elevation 3,563.46.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS,  
SEPTEMBER 2006 TO SEPTEMBER 2007**

| Date               | Elevation (feet) | Contents (acre-feet) | Change in Contents (acre-feet) |
|--------------------|------------------|----------------------|--------------------------------|
| September 30       | 3,563.62         | 80,120               | --                             |
| October 31         | 3,563.57         | 79,880               | -240                           |
| November 30        | 3,563.49         | 79,520               | -360                           |
| December 31        | 3,563.85         | 81,200               | +1,680                         |
| Calendar Year 2006 | --               | --                   | +50                            |
| January 31         | 3,563.85         | 81,200               | 0                              |
| February 28        | 3,563.83         | 81,100               | -100                           |
| March 31           | 3,563.80         | 80,960               | -140                           |
| April 30           | 3,563.72         | 80,590               | -370                           |
| May 31             | 3,563.90         | 81,430               | +840                           |
| June 30            | 3,563.82         | 81,060               | -370                           |
| July 31            | 3,563.75         | 80,730               | -330                           |
| August 31          | 3,563.82         | 81,060               | +330                           |
| September 30       | 3,563.83         | 81,100               | +40                            |
| Water Year 2007    | --               | --                   | +980                           |