



Water-Data Report 2006

**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, 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 Co.).

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, 82,110 acre-ft, Aug. 6, elevation, 3,564.04 ft; minimum contents observed, 64,200 acre-ft, Aug. 12, elevation 3,560.15.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS,  
SEPTEMBER 2005 TO SEPTEMBER 2006**

<b>Date</b>	<b>Elevation (feet)</b>	<b>Contents (acre-feet)</b>	<b>Change in Contents (acre-feet)</b>
September 30	3,562.73	75,950	--
October 31	3,563.66	80,300	+4,350
November 30	3,563.78	80,870	+570
December 31	3,563.84	81,150	+280
Calendar Year 2005	--	--	-190
January 31	3,563.91	81,480	+330
February 28	3,563.77	80,820	-660
March 31	3,563.83	81,100	+280
April 30	3,563.79	80,920	-180
May 31	3,563.91	81,480	+560
June 30	3,563.55	79,790	-1,690
July 31	3,563.82	81,060	+1,270
August 31	3,563.79	80,920	-140
September 30	3,563.62	80,120	-800
Water Year 2006	--	--	+4,170