



Water-Data Report 2006

**06012000 LIMA RESERVOIR NEAR MONIDA**

Missouri Headwaters Basin  
Red Rock Subbasin

LOCATION.--Lat 44°39'16", long 112°21'54" referenced to North American Datum of 1927, in SW ¼ sec.32, T.13 S., R.6 W., Beaverhead County, Hydrologic Unit 10020001, at Lima Dam on Red Rock River, 7 mi northwest of Monida, and at river mile 2,542.2

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1940 to current year. Records prior to October 1950, published only in Water Supply Paper (WSP) 1309, and those for April 1955, published only in WSP 1729. Records of daily elevations are in files of the USGS Water Science Center located in Helena, Montana.

COOPERATION.--Records furnished by Bureau of Reclamation.

REMARKS.--Elevation of gage is at sea level (levels by Montana Department of Natural Resources and Conservation). Reservoir is formed by earthfill dam with concrete spillway completed in 1902. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 84,050 acre-ft between elevation 6,537.30 ft, bottom of tunnel, and 6,582.7 ft, spillway crest. No dead storage. Figures given herein represent usable contents. Water is used for irrigation, flood control, and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 85,870 acre-ft, May 27, 28, June 14, 15, 1984, elevation, 6,582.98 ft; no usable storage Sept. 20-26, 1979, Sept. 13-30, 1987, October 1987, July 18 to Sept. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 80,380 acre-ft, May 10, elevation, 6,582.13 ft; minimum contents, 27,980 acre-ft, Oct. 1, elevation, 6,569.24 ft.

**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	6,569.21	27,910	--
October 31	6,570.63	31,380	+3,470
November 30	6,571.66	34,150	+2,770
December 31	6,572.30	36,030	+1,880
Calendar Year 2005	--	--	-710
January 31	6,572.78	37,520	+1,490
February 28	6,573.15	38,770	+1,250
March 31	6,573.97	41,730	+2,960
April 30	6,581.58	76,980	+35,250
May 31	6,581.88	78,810	+1,830
June 30	6,581.17	74,540	-4,270
July 31	6,578.61	61,210	-13,330
August 31	6,573.73	40,830	-20,380
September 30	6,571.25	33,000	-7,830
Water Year 2006	--	--	+5,090