



Water-Data Report 2007

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, MT, 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, 80,950 acre-ft, May 16, elevation, 6,582.22 ft; minimum contents, 11,430 acre-ft, Sept. 26, elevation, 6,560.45 ft.

**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	6,571.25	33,000	--
October 31	6,572.62	37,020	+4,020
November 30	6,573.90	41,470	+4,450
December 31	6,574.21	42,650	+1,180
Calendar Year 2006	--	--	+6,620
January 31	6,574.62	44,280	+1,630
February 28	6,575.09	46,160	+1,880
March 31	6,575.78	48,920	+2,760
April 30	6,581.82	78,430	+29,510
May 31	6,580.54	70,970	-7,460
June 30	6,574.11	42,270	-28,700
July 31	6,566.34	21,510	-20,760
August 31	6,560.67	11,740	-9,770
September 30	6,560.58	11,610	-130
Water Year 2007	--	--	-21,390