



Water-Data Report 2006

06136500 FRESNO RESERVOIR NEAR HAVRE, MT

Upper Missouri Basin
Upper Milk Subbasin

LOCATION.--Lat 48°36'04", long 109°56'45" referenced to North American Datum of 1927, in SE ¼ sec.19, T.33 N., R.14 E., Hill County, Hydrologic Unit 10050002, at dam on Milk River, 13 mi west of Havre and at river mile 437.3.

DRAINAGE AREA.--3,766 mi², of which 670 mi² is probably noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1, 1940 to current year. Records prior to September 1940, published only in Water Supply Paper (WSP) 1309. March to May 1952 daily elevations and contents published in WSP 1260-B. April to July 1953 scattered daily elevations and contents published in WSP 1320-B. Records of daily contents are in files of the USGS Water Science Center located in Helena, Montana. Nonrecording gage read daily.

REVISED RECORDS.--WSP 1729: Drainage area.

COOPERATION.--Records furnished by Bureau of Reclamation.

REMARKS.--Elevation of gage is at sea level (levels by Bureau of Reclamation). Reservoir is formed by earthfill dam with concrete spillway completed in 1939. Elevations are referenced to the National Geodetic Vertical Datum of 1929. Usable capacity is 103,000 acre-ft, between elevation 2,530.00 ft, invert of tunnel inlet, and 2,575.00 ft, spillway crest, from capacity table effective Feb. 1, 1983. Elevation of maximum water surface is 2,592.93 ft, 224,700 acre-ft. Crest of dam is 2,596.10 ft. There are no gates in the spillway. Dead storage is 448 acre-ft, below elevation 2,530.00 ft. Figures given herein represent usable contents. Water is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 154,000 acre-ft, Apr. 3, 1952, elevation, 2,579.3 ft, of which 26,800 acre-ft was uncontrolled storage, capacity table then in use; no storage Feb. 18 to Mar. 6, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 94,750 acre-ft, May 9, elevation, 2,575.47 ft; minimum observed, 27,790 acre-ft, Sept. 1, elevation, 2,553.90 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in Contents (acre-feet)
September 30	2,562.04	45,800	--
October 31	2,562.74	47,610	+1,810
November 30	2,562.99	48,270	+660
December 31	2,562.40	46,720	-1,550
Calendar Year 2005	--	--	+8,400
January 31	2,563.21	48,850	+2,130
February 28	2,563.23	48,910	+60
March 31	2,569.37	68,180	+19,270
April 30	2,575.07	92,770	+24,590
May 31	2,572.09	79,100	-13,670
June 30	2,573.91	87,240	+8,140
July 31	2,563.08	48,510	-38,730
August 31	2,553.92	27,830	-20,680
September 30	2,560.37	41,690	+13,860
Water Year 2006	--	--	-4,110