

05015500 LAKE SHERBURNE AT SHERBURNE, MT

Saskatchewan Basin
St. Mary Subbasin

LOCATION.--Lat 48°49'41", long 113°31'19" referenced to North American Datum of 1983, in SE ¼ SE ¼ SE ¼ sec.35, T.36 N., R.15 W., Glacier County, MT, Hydrologic Unit 10010002, Blackfeet Indian Reservation, in gatehouse at dam on Swiftcurrent Creek, 4.5 mi southwest of Babb.

DRAINAGE AREA.--64.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1915 to September 1923 (fragmentary), May 1924 to September 1925, November 1925 to June 1926 September 1926 to March 1936 (no winter records some years), May 1936 to September 1952 (monthend contents and daily elevations). October 1952 to current year (monthend contents only). Monthend contents for some periods, published in WSP 1308. Published as Sherburne Lake Reservoir at Sherburne 1915, 1917-28, 1931-52, and as Sherburne Lake Reservoir near Babb 1929-30.

REVISED RECORDS.--Water Data Report 1983: Drainage area. Water Data Report 2009: Monthend Contents.

GAGE.--Water-stage recorder. Elevation of gage is 4,709.45 ft, referenced to the National Geodetic Vertical Datum of 1929. Prior to May 7, 1931, nonrecording gage at present site, and May 8, 1931, to Sept. 30, 1974, water-stage recorder at present site, all at elevation 9.45 ft lower.

COOPERATION.--This is one of a number of stations which are maintained jointly by the United States and Canada.

REMARKS.--Reservoir is formed on a natural lake by earthfill dam completed in 1921. Prior to 1919, flashboards on a temporary dam provided limited storage. Storage behind main dam began in 1919. The following capacity figures are from capacity table effective Jan. 1, 2007; see previous reports for superseded figures. Usable capacity, 64,250 acre-ft between gage height 4,729.3 ft, 9.3 ft above lowest outlet gage sill, and 4,788.00 ft (spillway crest). Streambed above gates prevents withdrawal of storage to sill elevation. Dead storage is 1,900 acre-ft below gage height 4,729.30 ft. Figures given herein represent usable contents. Water is used for irrigation on Milk River project of Bureau of Reclamation. Bureau of Reclamation satellite telemeter is located at the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 65,480 acre-ft, June 30, 1986, gage height, 4,788.40 ft; no usable contents at times.

EXTREMES FOR CURRENT YEAR.--Maximum usable contents, 64,080 acre-ft, July 20, gage height, 4,787.90 ft; minimum usable, 14,300 acre-ft, Oct. 11, gage height, 4,749.28 ft.

**MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS,
SEPTEMBER 2011 TO SEPTEMBER 2012**

Date	Elevation (feet)	Contents (acre- feet)	Change in Contents (acre-feet)
September 30	4,754.83	19,620	--
October 31	4,753.00	17,810	-1,810
November 30	4,757.06	21,920	+4,110
December 31	4,759.09	24,080	+2,160
Calendar Year 2011	--	--	-21,720
January 31	4,761.01	26,190	+2,110
February 29	4,762.42	27,770	+1,580
March 31	4,765.20	30,980	+3,210
April 30	4,767.99	34,340	+3,360
May 31	4,780.28	51,560	+17,220
June 30	4,786.60	61,860	+10,330
July 31	4,786.92	62,400	+540
August 31	4,768.39	34,830	-27,570
September 30	4,756.60	21,440	-13,390
Water Year 2012	--	--	+1,820