Water-Data Report 2013

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 The following capacity figures are from capacity table effective Jan. 1, 2007; see previous reports for superseded figures.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, 63,890 acre-ft, July 3, gage height, 4,787.79 ft; minimum usable, 13,890 acre-ft, Sept. 25, gage height, 4,748.83 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400 HOURS, SEPTEMBER 2012 TO SEPTEMBER 2013

Date	Elevation (feet)	Contents (acre-feet)	Change in Contents (acre-feet)
September 30	4,756.60	21,440	--
October 31	4,764.06	29,650	+8,210
November 30	4,776.76	46,190	+16,540
December 31	4,780.80	52,370	+6,180
Calendar Year 2012	--	--	+28,290
January 31	4,782.03	54,320	+1,950
February 29	4,782.83	55,610	+1,290
March 31	4,778.06	48,140	-7,470
April 30	4,767.60	33,860	-14,280
May 31	4,776.50	45,810	+11,950
June 30	4,787.59	63,540	+17,730
July 31	4,781.36	53,260	-10,290
August 31	4,765.03	30,780	-22,470
September 30	4,750.75	15,660	-15,130
Water Year 2013	--	--	-5,780

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 05015500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/05015500.2013.pdf