

06163000 NEWTON LAKE NEAR VAL MARIE, SASKATCHEWAN

Upper Missouri Basin
Frenchman Subbasin

LOCATION.--Lat 49°18'12", long 107°48'20" referenced to North American Datum of 1927, in NE ¼ sec.15, T.1., R.14 W., third meridian, Hydrologic Unit 10050013, at dam on Frenchman River, 5.4 mi northwest of Val Marie, and at mile 156.2.

DRAINAGE AREA.--1,349 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1937 to current season (seasonal records only). February 1937 to October 1979, published as Val Marie Reservoir.

REVISED RECORDS.-- Water Supply Paper (WSP) 2116: 1937-65. WSP 1729: 1949.

GAGE.--Water-stage recorder. Elevation of gage is at mean sea level, referenced to the Geodetic Survey of Canada datum. Prior to May 11, 1966, nonrecording gages.

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

REMARKS.--Reservoir is formed by earthfill dam with concrete control works; construction began in 1936; storage began in 1937; construction was completed in 1938. The following capacity figures are from capacity table effective February 1983. Usable capacity is 9,950 acre-ft between elevation 2,616.1 ft, bottom of outlet works, and 2,635.4 ft maximum design level. There is no dead storage. Water is used for irrigation. Water Survey of Canada satellite telemeter is located at the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 18,920 acre-ft, Apr. 19, 1952, elevation, 2,638.80 ft; no contents at times.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 12,010 acre-ft, Mar. 28, elevation, 2,636.75 ft; minimum, 1,540 acre-ft, Mar. 7, elevation, 2,626.68 ft.

**SEASONAL MONTHEND CONTENTS
FEBRUARY 2007 TO OCTOBER 2007**

Date	Contents (acre-feet)
February 28	1,600
March 31	11,150
April 30	10,170
May 31	8,080
June 30	7,840
July 31	6,140
August 31	3,910
September 30	3,680
October 31	3,090