



Water-Data Report 2013

06157000 CYPRESS LAKE NEAR CONSUL, SASKATCHEWAN

Upper Missouri Basin
Frenchman Subbasin

LOCATION.--Lat 49°27'30", long 109°30'25" referenced to North American Datum of 1927, third meridian, Hydrologic Unit 10050013, on south shore, and 12 mi north of Consul.

DRAINAGE AREA.--107 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1939 to current season (seasonal records only). Records prior to October 1946, published only in Water Supply Paper (WSP) 1309. March to May 1952 daily elevations and contents, published in WSP 1260-B.

REVISED RECORDS.--Water Data Report 1983: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is at mean sea level, referenced to the Geodetic Survey of Canada datum (subtract 33.67 ft to obtain Reclamation Service datum). Prior to 1969 season, referenced to Reclamation Service datum. Prior to 1940, nonrecording gage located on natural lake at "South" station. February 1940 to Apr. 28, 1955, elevation was obtained from average of nonrecording gage readings at west and east dams. Apr. 29, 1955 to Aug. 21, 1984, gage was located at east dam.

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

REMARKS.--This is an offstream reservoir formed by two earthfill dams on a natural lake of the same name which is the head of the Frenchman River. There are concrete control works at both dams. The following capacity figures are from capacity table effective January 1971; see previous reports for superseded figures. Usable capacity is 79,500 acre-ft between elevation 3,187.0 ft, bottom of west outlet works, and 3,201.9 ft, maximum design level. Dead storage is 24,300 acre-ft. Water is diverted from Battle Creek on west, 12 mi northwest of Consul, and from Belanger Creek, in the Frenchman River basin, on the east, 12 mi north of Vidora. Water is released to the same streams for irrigation. Figures given herein represent total contents. Water Survey of Canada satellite telemeter is located at the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 117,300 acre-ft, Apr. 21, 1955, elevation, 3,203.36 ft; minimum observed since first filling, 8,190 acre-ft, Nov. 17, 1992, elevation, 3,183.17 ft.

EXTREMES FOR CURRENT SEASON.--Maximum contents, 97,440 acre-ft, May 3, elevation, 3,200.82 ft; minimum contents, 84,960 acre-ft, Oct. 31, elevation, 3,198.64 ft.

SEASONAL MONTHEND CONTENTS FEBRUARY 2013 TO OCTOBER 2013

Date	Contents (acre-feet)
February 28	93,270
March 31	93,690
April 30	97,020
May 31	92,630
June 30	91,640
July 31	89,410
August 31	88,120
September 30	86,180
October 31	85,180