

06159000 EASTEND RESERVOIR NEAR EASTEND, SASKATCHEWAN

Upper Missouri Basin
Frenchman Subbasin

LOCATION.--Lat 49°30'26", long 108°51'08" referenced to North American Datum of 1927, third meridian, Hydrologic Unit 10050013, at dam on Frenchman River, 1.6 mi west of Eastend, and at mile 300.5.

DRAINAGE AREA.--619 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 1937 to current season (seasonal records only). Prior to 1958, published as East End Reservoir at East End. Nonrecording gages were read about once a day during irrigation season and twice a day during high stages February 1937 to July 1979.

REVISED RECORDS.--Water Supply Paper (WSP) 1309: 1948, maximum elevation. WSP 1729: Drainage area. WSP 2116: 1937-65. 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.

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 completed in 1939, breached during flood in 1952 and rebuilt the same year with a concrete spillway and control works. The following capacity figures are from capacity table effective September 1982. Usable capacity is 1,690 acre-ft between elevation 2,993.5 ft, bottom of outlet works, and 3,012.0 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, about 3,700 acre-ft, Apr. 15, 1952, elevation, about 3,015 ft, dam overtopped; no contents at times.

EXTREMES FOR SEASON.--Maximum contents, 2,600 acre-ft, May 15, elevation, 3,014.14 ft; minimum daily, 484 acre-ft, Mar. 1, elevation, 3,007.62 ft.

**SEASONAL MONTHEND CONTENTS
FEBRUARY 2013 TO OCTOBER 2013**

Date	Contents (acre-feet)
February 28	492
March 31	534
April 30	2,400
May 31	1,710
June 30	2,100
July 31	2,040
August 31	1,840
September 30	1,280
October 31	679