

**RED RIVER OF THE NORTH BASIN**

**05074000 LOWER RED LAKE NEAR RED LAKE, MN**

LOCATION.--Lat 47° 57'27", long 95° 16'34", in SW¼NW¼ sec. 28, T. 152 N., R. 36 W., Clearwater County, Hydrologic Unit 09020302, on Red Lake Indian Reservation, on left bank just upstream from dam at outlet, 13 mi northwest of city of Red Lake.

DRAINAGE AREA.--1,950 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--June 1930 to November 1932 and May 1933 to current year. Published as "Red lake at Redby" prior to May 1933 and as "Red Lake near Red Lake" May 1933 to September 1940. Records on Upper Red Lake published as Red Lake at Waskish, April 1930 to September 1933, all in reports of Geological Survey. October 1921 to September 1929 gage heights at Redby and on Upper Red Lake at Waskish in files of Minnesota Department of Natural Resources (fragmentary).

GAGE.--Water-stage recorder. Datum of gage is 1,100.00 ft, adjustment of 1912 (levels by U.S. Army Corps of Engineers); gage readings have been reduced to elevations based on adjustment of 1912. May 1933 to Sept. 6, 1934, nonrecording gage and Sept. 7, 1934 to Sept. 30, 1986, recording gage at same site at datum 69.00 ft higher. Nonrecording gage at Redby.

REMARKS.--Water level subject to fluctuation caused by change in direction and velocity of wind and by seiches.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,178.53 ft, June 25, 1950; minimum recorded, 1,169.80 ft, Nov. 20, 1936.

EXTREMES FOR CURRENT YEAR.--\*\*Maximum daily, 1,175.72 ft, July 17; minimum daily, 1,173.91 ft, Oct. 14.

**\*\*MONTH-END ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997**

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	1174.36	1914000	
Oct. 31	1175.08	2123000	+209000
Nov. 30	1174.37	1917000	-206000
Dec. 31	1174.30	1897000	-20000

CAL YR 1996

Jan. 31	1174.21	1871000	-26000
Feb. 28	1174.14	1851000	-20000
Mar. 31	1173.96	1790000	-61000
Apr. 30	1175.08	2123000	+333000
May 31	1175.10	2129000	+6000
June 30	1175.30	2187000	-58000
July 31	1175.43	2225000	+38000
Aug. 31	1174.94	2083000	-142000
Sept. 30	1174.81	2045000	-38000
WTR YR 1997			+131000

- (NOTE.--Daily-mean gage heights are available).
- \*\* Data from Army Corp of Engineers.