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 of Lower Red Lake, and 13 mi northwest of city of Red Lake.

DRAINAGE AREA.--1,950 mi^2 (approximately).

PERIOD OF RECORD.--June 1930 to November 1932, May 1933 to September 1997, October 1999 to September 2000. Published as "Red Lake at Redby" prior to May 1933 and as "Red Lake near Red Lake" May 1933 to September 1940. Fragmentary gage-height record, October 1921 to September 1929, for "Red Lake at Redby" in files of Minnesota Department of Natural Resources. Gage height record, October 1997 to September 1999, in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 1,100.00 ft above sea level, adjustment of 1912 (levels by U.S. Army Corps of Engineers). May 1933 to Sept. 6, 1934, nonrecording gage. Sept. 7, 1934 to Sept. 30, 1986, water-stage recorder at present site at datum 69.00 ft higher.

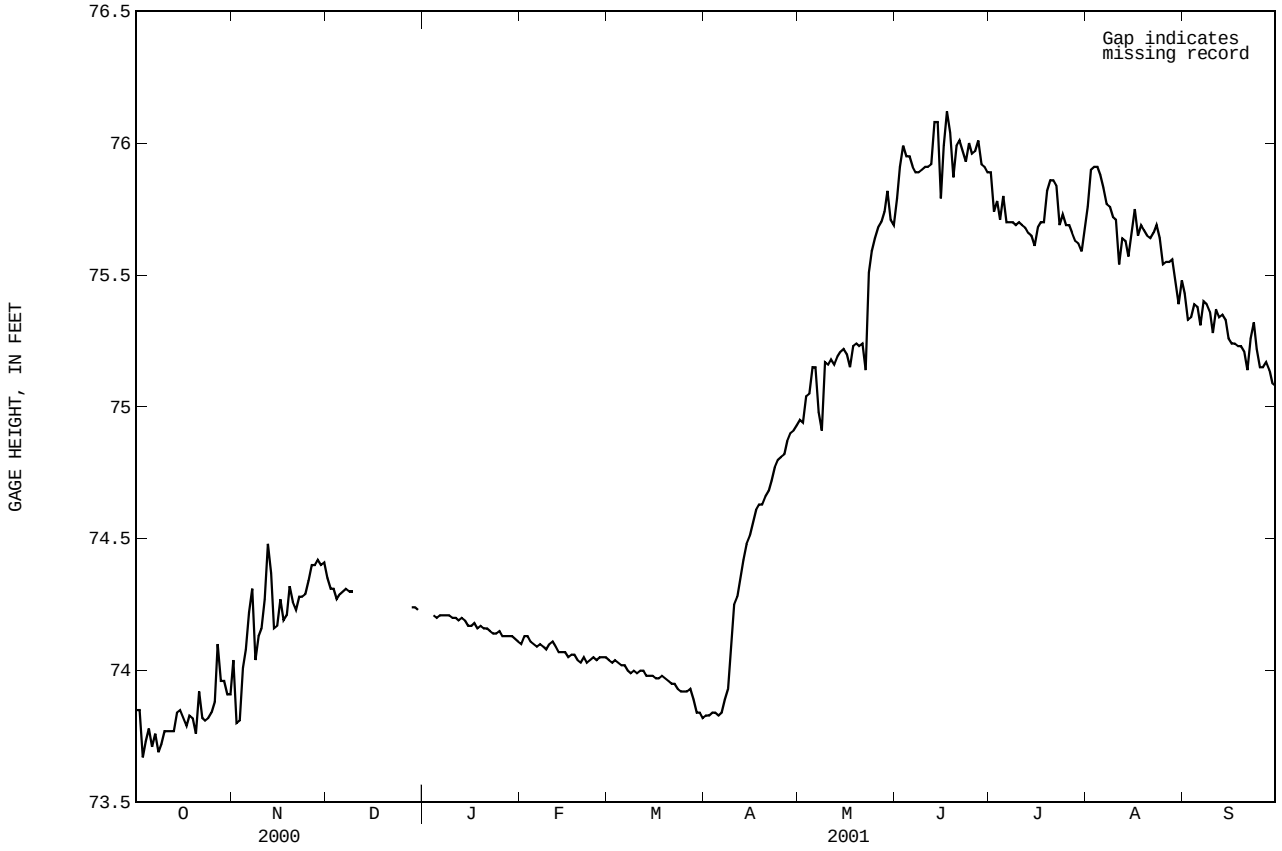
REMARKS.--Records fair. Water level subject to fluctuation caused by change in direction and velocity of wind, by seiches, and by drawdown from dam gate changes.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 78.53 ft, June 25, 1950; minimum recorded, 69.80 ft, Nov. 20, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 76.46 ft, June 14; maximum daily, 76.12 ft, June 17; minimum gage height, 73.51 ft, Oct. 3; minimum daily, 73.67 ft, Oct. 3.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.85	74.04	74.35	---	74.10	74.04	73.83	74.95	75.79	75.89	75.76	75.43
2	73.85	73.80	74.31	---	74.13	74.03	73.83	74.94	75.91	75.74	75.90	75.33
3	73.67	73.81	74.31	---	74.13	74.04	73.84	75.04	75.99	75.78	75.91	75.34
4	73.73	74.01	74.27	74.21	74.11	74.03	73.84	75.05	75.95	75.71	75.91	75.39
5	73.78	74.08	74.29	74.20	74.10	74.02	73.83	75.15	75.95	75.80	75.88	75.38
6	73.71	74.22	74.30	74.21	74.09	74.02	73.84	75.15	75.91	75.70	75.83	75.31
7	73.76	74.31	74.31	74.21	74.10	74.00	73.89	74.98	75.89	75.70	75.77	75.40
8	73.69	74.04	74.30	74.21	74.09	73.99	73.93	74.91	75.89	75.70	75.76	75.39
9	73.72	74.13	74.30	74.21	74.08	74.00	74.07	75.17	75.90	75.69	75.72	75.36
10	73.77	74.16	---	74.20	74.10	73.99	74.25	75.16	75.91	75.70	75.71	75.28
11	73.77	74.27	---	74.20	74.11	74.00	74.28	75.18	75.91	75.69	75.54	75.37
12	73.77	74.48	---	74.19	74.09	74.00	74.35	75.16	75.92	75.68	75.64	75.34
13	73.77	74.37	---	74.20	74.07	73.98	74.42	75.19	76.08	75.66	75.63	75.35
14	73.84	74.16	---	74.19	74.07	73.98	74.48	75.21	76.08	75.65	75.57	75.33
15	73.85	74.17	---	74.17	74.07	73.98	74.51	75.22	75.79	75.61	75.66	75.26
16	73.82	74.27	---	74.17	74.05	73.97	74.56	75.20	75.99	75.68	75.75	75.24
17	73.79	74.19	---	74.18	74.06	73.97	74.61	75.15	76.12	75.70	75.65	75.24
18	73.83	74.21	---	74.16	74.06	73.98	74.63	75.23	76.04	75.70	75.69	75.23
19	73.82	74.32	---	74.17	74.04	73.97	74.63	75.24	75.87	75.82	75.67	75.23
20	73.76	74.26	---	74.16	74.03	73.96	74.66	75.23	75.99	75.86	75.65	75.21
21	73.92	74.23	---	74.16	74.05	73.95	74.68	75.24	76.01	75.86	75.64	75.14
22	73.82	74.28	---	74.15	74.03	73.95	74.72	75.14	75.97	75.84	75.66	75.26
23	73.81	74.28	---	74.14	74.04	73.93	74.77	75.51	75.93	75.69	75.69	75.32
24	73.82	74.29	---	74.14	74.05	73.92	74.80	75.59	76.00	75.73	75.64	75.22
25	73.84	74.34	---	74.15	74.04	73.92	74.81	75.64	75.96	75.69	75.54	75.15
26	73.88	74.40	---	74.13	74.05	73.92	74.82	75.68	75.97	75.69	75.55	75.15
27	74.10	74.40	---	74.13	74.05	73.93	74.87	75.70	76.01	75.66	75.55	75.17
28	73.96	74.42	74.24	74.13	74.05	73.89	74.90	75.74	75.92	75.63	75.56	75.14
29	73.96	74.40	74.24	74.13	---	73.84	74.91	75.82	75.91	75.62	75.48	75.09
30	73.91	74.41	74.23	74.12	---	73.84	74.93	75.71	75.89	75.59	75.39	75.08
31	73.91	---	---	74.11	---	73.82	---	75.69	---	75.67	75.48	---
MEAN	73.82	74.22	---	---	74.07	73.96	74.42	75.29	75.95	75.71	75.67	75.27
MAX	74.10	74.48	---	---	74.13	74.04	74.93	75.82	76.12	75.89	75.91	75.43
MIN	73.67	73.80	---	---	74.03	73.82	73.83	74.91	75.79	75.59	75.39	75.08


GAGE HEIGHT, IN FEET
76.5
76
75.5
75
74.5
74
73.5
Gap indicates
missing record
O
N
D
J
F
M
A
M
J
J
A
S
2000
2001