

05074000 LOWER RED LAKE NEAR RED LAKE, MN

Lower Red Basin
Red Lakes Subbasin

LOCATION.--Lat 47°57'27", long 95°16'34" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.28, T.152 N., R.36 W., Clearwater County, MN, Hydrologic Unit 09020302, on Red Lake Indian Reservation, on left bank just east (upstream) from dam at outlet of Lower Red Lake, and 13 mi northwest of city of Red Lake.

DRAINAGE AREA.--1,950 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1930 to November 1932, May 1933 to September 1997, October 1999 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. 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, non-recording 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 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, 76.30 ft, May 25; maximum daily, 76.03 ft, May 25; minimum gage height, 73.16 ft, Oct. 9; minimum daily, 73.38 ft, Oct. 9.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	73.74	73.87	73.99	74.13	74.16	74.12	74.75	75.51	75.92	75.81	75.23	75.21
2	73.72	73.84	73.97	74.14	74.17	74.13	74.77	75.52	75.88	75.79	75.43	75.23
3	73.79	73.85	73.98	74.16	74.19	74.12	74.79	75.55	75.87	75.78	75.35	75.24
4	73.76	73.82	73.98	74.16	74.19	74.12	74.80	75.61	75.76	75.73	75.35	75.22
5	73.90	73.93	73.99	74.18	74.19	74.10	74.81	75.63	75.79	75.72	75.34	75.18
6	73.88	74.19	73.98	74.17	74.19	74.09	74.81	75.62	75.93	75.71	75.38	75.17
7	73.73	74.03	74.01	74.16	74.17	74.09	74.83	75.56	75.95	75.74	75.43	75.19
8	73.62	73.97	74.00	74.17	74.18	74.09	74.84	75.65	75.99	75.77	75.41	75.20
9	73.38	73.92	74.00	74.17	74.21	74.09	74.85	75.66	75.83	75.63	75.33	75.19
10	73.79	73.98	74.01	74.18	74.21	74.11	74.87	75.66	75.83	75.48	75.37	75.21
11	73.94	73.99	74.00	74.17	74.22	74.14	74.90	75.69	75.86	75.51	75.35	75.19
12	73.89	73.97	74.03	74.17	74.18	74.16	74.92	75.75	75.85	75.60	75.33	75.22
13	73.64	73.83	74.02	74.18	74.13	74.15	74.94	75.51	75.86	75.59	75.37	75.20
14	73.72	73.91	74.03	74.17	74.13	74.15	74.97	75.66	75.88	75.60	75.37	75.20
15	73.65	73.96	74.06	74.17	74.15	74.16	75.00	75.73	75.87	75.32	75.47	75.19
16	73.83	73.99	74.08	74.19	74.15	74.14	75.03	75.65	75.93	75.31	75.44	75.16
17	73.85	73.95	74.07	74.17	74.15	74.12	75.04	75.75	75.91	75.49	75.25	75.15
18	73.79	74.01	74.08	74.18	74.13	74.11	75.08	75.79	75.89	75.50	75.35	75.19
19	73.81	73.93	74.08	74.18	74.14	74.12	75.12	76.02	75.86	75.49	75.45	75.08
20	73.85	73.89	74.09	74.18	74.14	74.18	75.14	75.87	75.88	75.45	75.48	75.09
21	73.90	73.96	74.08	74.18	74.12	74.21	75.18	75.77	75.93	75.45	75.41	75.07
22	73.86	74.01	74.10	74.18	74.12	74.23	75.22	75.79	75.91	75.47	75.42	75.11
23	73.88	73.99	74.11	74.17	74.14	74.34	75.26	75.84	75.88	75.47	75.37	75.07
24	73.82	73.99	74.11	74.17	74.13	74.40	75.28	75.84	75.84	75.40	75.38	75.01
25	73.69	74.01	74.13	74.18	74.11	74.47	75.32	76.03	75.84	75.44	75.34	75.05
26	73.53	74.01	74.12	74.18	74.13	74.52	75.37	75.98	75.90	75.45	75.36	74.96
27	73.71	73.92	74.10	74.19	74.13	74.57	75.37	75.98	75.68	75.36	75.29	74.81
28	73.73	73.99	74.12	74.18	74.11	74.62	75.42	---	75.43	75.33	75.36	74.86
29	73.84	74.00	74.12	74.17	---	74.64	75.48	---	75.76	75.36	75.37	75.09
30	73.77	74.00	74.13	74.18	---	74.67	75.46	75.84	75.83	75.39	75.29	75.12
31	73.84	---	74.14	74.17	---	74.71	---	75.95	---	75.38	75.24	---
Mean	73.77	73.96	74.06	74.17	74.16	74.25	75.05	---	75.85	75.53	75.36	75.13
Max	73.94	74.19	74.14	74.19	74.22	74.71	75.48	---	75.99	75.81	75.48	75.24
Min	73.38	73.82	73.97	74.13	74.11	74.09	74.75	---	75.43	75.31	75.23	74.81

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