

RAINY RIVER BASIN

05140521 LAKE OF THE WOODS AT SPRINGSTEEL ISLAND NEAR WARROAD, MN

LOCATION.--Lat 4856'45", long 9518'24", in SW 1 / 4 SW 1 / 4 sec. 9, T. 163 N., R. 36 W., Roseau County, Hydrologic Unit 09030009, at Springsteel Resort on Springsteel Island, 2.8 mi north of Warroad.

DRAINAGE AREA.--27,200 mi².

PERIOD OF RECORD.--June 1985 to current year.

GAGE.--Water-stage recorder. Datum at gage is 1,000.00 ft above sea level, Lake of the Woods datum.

REMARKS.--Satellite telemeter at station. Water level subject to fluctuation caused by changes in direction and velocity of wind and resulting seiches.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 62.24 ft, July 5, 1989; maximum daily, 61.81 ft, July 6, 7, 1985; minimum, 57.22 ft, Nov. 22, 1990; minimum daily, 57.43 ft, Mar. 18, 19, 20, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 60.07 ft, June 1; maximum daily, 59.80 ft, July 3; minimum, 57.69 ft, May 16;

minimum daily, 58.15 ft, Feb. 23,24.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.92	58.99	58.85	---	---	58.27	58.21	58.65	59.66	59.62	59.42	59.13
2	59.03	59.33	58.82	---	---	58.26	58.20	58.56	59.48	59.61	59.45	59.24
3	59.00	59.25	58.80	---	58.24	58.28	58.22	58.43	59.17	59.80	59.48	59.21
4	58.87	59.10	58.80	---	---	58.30	58.22	58.35	59.37	59.66	59.44	59.21
5	58.96	59.07	58.79	---	---	58.34	58.22	58.29	59.38	59.66	59.41	59.17
6	59.04	58.85	58.79	---	---	58.33	58.25	58.66	59.30	59.66	59.40	59.20
7	59.15	58.91	58.78	---	---	58.31	58.25	58.71	59.25	59.64	59.41	59.18
8	58.98	59.08	58.78	---	---	58.31	58.25	58.69	59.33	59.62	59.36	59.15
9	58.45	59.03	58.78	---	---	58.30	58.24	58.57	59.35	59.64	59.26	58.99
10	59.06	59.03	58.78	---	---	58.29	58.25	58.45	59.31	59.65	59.34	59.04

11	59.05	59.00	58.75	---	---	58.29	58.27	58.40	59.44	59.59	59.33	59.08
12	58.91	58.79	58.74	---	---	58.31	58.32	58.49	59.44	59.53	59.16	59.01
13	58.64	59.49	58.75	---	---	58.30	58.21	58.44	59.36	59.50	59.23	59.03
14	58.76	59.30	58.75	---	---	58.31	58.35	58.65	59.46	59.59	59.27	59.02
15	59.07	58.99	58.71	---	---	58.32	58.40	58.62	---	59.61	59.27	58.99
16	59.05	58.80	58.69	---	58.20	58.31	58.37	58.33	---	59.62	59.10	58.85
17	59.02	59.01	58.72	---	58.19	58.31	58.38	58.97	---	59.57	59.39	58.94
18	59.03	58.94	58.67	---	58.17	58.31	58.44	59.05	---	59.53	59.27	59.24
19	59.06	58.92	58.67	---	58.16	58.30	58.48	58.92	59.54	59.51	59.19	59.36
20	58.89	58.95	58.67	---	58.16	58.29	58.41	59.17	59.21	59.57	59.21	58.66
21	59.16	58.97	58.68	---	58.16	58.28	58.41	59.27	59.33	59.42	59.23	58.97
22	59.07	58.96	58.68	---	58.17	58.26	58.45	59.22	59.44	59.45	59.25	58.93
23	59.28	58.94	58.68	58.40	58.15	58.26	58.45	59.22	59.55	59.52	59.07	58.76
24	59.22	58.93	---	---	58.15	58.27	58.63	59.21	59.58	59.52	59.13	58.91
25	59.00	58.88	---	---	58.19	58.25	58.64	59.30	59.58	59.50	59.12	58.78
26	58.97	58.88	---	---	58.24	58.25	58.59	59.24	59.62	59.32	59.14	58.90
27	58.81	58.90	---	---	58.26	58.26	58.41	59.19	59.61	59.42	59.19	58.77
28	58.73	58.87	---	---	58.30	58.25	58.34	59.24	59.42	59.45	59.21	58.80
29	58.92	58.84	---	---	---	58.24	58.39	59.38	59.51	59.48	59.23	58.87
30	59.16	58.85	---	---	---	58.23	58.39	59.38	59.69	59.50	59.23	58.74
31	59.05	---	---	---	---	58.23	---	59.48	---	59.47	59.15	---
MEAN	58.98	58.99	---	---	---	58.28	58.35	58.86	---	59.56	59.27	59.00
MAX	59.28	59.49	---	---	---	58.34	58.64	59.48	---	59.80	59.48	59.36
MIN	58.45	58.79	---	---	---	58.23	58.20	58.29	---	59.32	59.07	58.66

