

RAINY RIVER BASIN--Continued

05140520 LAKE OF THE WOODS AT WARROAD, MN
(International gaging station)

LOCATION.--Lat 48°54'15", long 95°18'57", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.29, T. 163 N., R. 36 W., Roseau County, Hydrologic Unit 09030009, on left bank of Warroad River in Warroad, 300 ft downstream from Canadian National railroad bridge, 1000 ft downstream from bridge on State Highway 11, and 4000 ft upstream from mouth of Warroad River.

DRAINAGE AREA.--27,200 mi².

PERIOD OF RECORD.--April to September 1978, month-end elevations only. October 1978 to September 1985, daily-mean elevations; October 1985 to December 1994 and October 1997 to current year, daily-mean gage heights. Records collected prior to April 1978 are in reports of the Water Survey of Canada.

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

REMARKS.--Runoff conditions of the Warroad River can affect water levels at this station. Water level subject to fluctuation caused by changes in direction and velocity of wind and resulting seiches.

COOPERATION.--This station is one of the international gaging stations maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 62.38 ft, July 5, 1989; maximum daily, 61.84 ft, Sept. 12, 1978; minimum (recorded), 55.94 ft, Sept. 4, 1980; minimum daily (recorded), 56.52 ft, Apr. 15, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 61.75 ft, June 25; maximum daily, 61.24 ft, May 31; minimum gage height, 57.65 ft, Mar.22; minimum daily, 57.69 ft, Mar. 24,25.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.74	59.13	58.85	58.53	58.25	58.01	57.93	59.55	60.98	60.45	60.61	60.20
2	58.89	59.11	58.87	58.50	58.23	57.96	58.01	59.54	60.90	60.51	60.57	60.44
3	58.86	59.10	58.77	58.45	58.23	57.97	58.07	59.61	60.95	60.61	60.53	60.43
4	58.92	58.99	58.91	58.44	58.23	57.98	58.17	59.64	60.90	60.60	60.57	60.42
5	59.10	59.02	58.80	58.43	58.23	57.96	58.21	59.79	60.92	60.44	60.54	60.05
6	58.79	58.94	58.71	58.39	58.22	57.94	58.24	59.77	61.02	60.36	60.59	60.24
7	58.75	58.87	58.79	58.38	58.23	57.93	58.51	59.98	60.99	60.50	60.69	60.30
8	58.73	58.88	58.78	---	58.20	57.94	58.70	59.93	61.04	60.72	60.52	60.21
9	58.72	58.96	58.73	---	58.20	57.92	58.53	59.90	61.05	60.76	60.50	60.12
10	59.04	59.44	58.71	---	58.24	57.90	58.63	60.53	61.02	60.56	60.47	60.40
11	59.06	58.53	58.73	---	58.15	57.88	58.71	60.28	61.09	60.55	60.57	60.40
12	58.44	58.70	58.72	---	58.15	57.86	58.80	60.18	60.92	60.50	60.79	60.47
13	58.81	58.85	58.74	---	58.18	57.85	58.89	60.28	61.00	60.64	60.46	60.43
14	58.83	58.80	58.70	58.34	58.16	57.85	58.94	60.39	61.03	60.66	60.36	60.51
15	58.79	58.83	58.70	58.30	58.18	57.82	59.02	60.40	61.03	60.75	60.35	60.52
16	59.09	58.93	58.71	58.26	58.16	57.80	59.10	60.49	60.96	60.57	60.09	60.51
17	59.43	58.88	58.75	58.31	58.14	57.78	59.16	60.57	60.85	60.80	60.38	60.53
18	58.89	59.37	58.75	58.29	58.14	57.77	59.21	60.63	60.80	60.80	60.46	60.55
19	58.62	58.97	58.70	58.31	58.13	57.78	59.28	60.71	60.78	60.80	60.40	60.70
20	58.88	---	58.68	58.30	58.11	57.73	59.33	60.71	60.73	60.75	60.40	60.66
21	58.88	---	58.65	58.31	58.09	57.74	59.37	60.70	60.68	60.75	60.41	60.41
22	58.75	---	58.65	58.30	58.10	57.71	59.42	60.98	60.55	60.78	60.39	60.67
23	58.86	---	58.62	58.29	58.08	57.70	59.43	60.98	60.55	60.74	60.42	60.72
24	59.07	---	58.62	58.28	58.05	57.69	59.43	60.82	60.38	60.78	60.41	60.62
25	59.06	---	58.60	58.28	58.05	57.69	59.46	60.85	60.83	60.76	60.36	60.60
26	58.85	---	58.60	58.29	58.06	57.72	59.51	60.76	60.67	60.54	60.29	60.65
27	58.86	---	58.57	58.28	58.03	57.74	59.54	60.76	60.53	60.69	60.33	60.60
28	58.99	---	58.60	58.27	58.01	57.79	59.56	60.72	60.63	60.69	60.40	60.64
29	59.07	---	58.54	58.25	---	57.82	59.56	60.81	60.50	60.71	60.44	60.59
30	58.86	---	58.54	58.27	---	57.87	59.56	61.07	60.45	60.68	60.21	60.23
31	58.93	---	58.53	58.26	---	57.87	---	61.24	---	60.57	60.20	---
MEAN	58.89	---	58.70	---	58.15	57.84	58.94	60.41	60.82	60.65	60.44	60.46
MAX	59.43	---	58.91	---	58.25	58.01	59.56	61.24	61.09	60.80	60.79	60.72
MIN	58.44	---	58.53	---	58.01	57.69	57.93	59.54	60.38	60.36	60.09	60.05

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