

LAKE OF THE WOODS BASIN

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

LOCATION.--Lat 48° 56'45", long 95° 18'24", in SW¼SW¼ 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 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, 60.82 ft, Oct. 1; maximum daily, 60.57 ft, Oct. 1; minimum, 57.95 ft, Apr. 2; minimum daily, 57.97 ft, Apr. 3.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| JUL | AUG | SEP | | | | | | | |
| 1 | 60.57 | 60.01 | 60.49 | 60.21 | 59.58 | 58.86 | 58.04 | 59.53 | 59.84 |
| 59.73 | 59.83 | 59.36 | | | | | | | |
| 2 | 60.13 | 60.07 | 60.47 | 60.17 | 59.56 | 58.83 | 57.98 | 59.54 | 59.87 |
| 60.19 | 60.01 | 59.41 | | | | | | | |
| 3 | 60.12 | 60.17 | 60.44 | 60.14 | 59.55 | 58.85 | 57.97 | 59.56 | 59.84 |
| 59.99 | 59.99 | 59.31 | | | | | | | |
| 4 | 60.12 | 60.33 | 60.48 | 60.13 | 59.52 | 58.80 | 57.98 | 59.60 | 59.84 |
| 59.72 | 60.04 | 59.25 | | | | | | | |
| 5 | 60.09 | 60.23 | 60.48 | 60.07 | 59.49 | 58.76 | 58.04 | 59.59 | 59.94 |
| 59.78 | 59.94 | 59.18 | | | | | | | |
| 6 | 60.17 | 60.28 | 60.49 | 60.05 | 59.47 | 58.71 | 58.10 | 59.60 | 59.90 |
| 59.87 | 59.88 | 59.37 | | | | | | | |
| 7 | 60.17 | 60.10 | 60.46 | 60.05 | 59.47 | 58.70 | 58.15 | 59.62 | 59.94 |

