LOCATION.--Lat $47^{\circ} 58^{\prime} 07{ }^{\prime \prime}$, long $89^{\circ} 48^{\prime} 35^{\prime \prime}$, $\mathrm{NW}^{1} /{ }_{4} \mathrm{NW}^{1} /{ }_{4} \mathrm{SE}^{1} / 4$ sec. $4, \mathrm{~T} .63 \mathrm{~N}, \mathrm{R} .5 \mathrm{E} .$, Cook County, Hydrologic Unit 04010101 , on the north end of Loon Lake, 2.0 mi northwest of Mineral Center, 2.3 mi southeast of Canadian Border, and 5.9 mi west of Grand Portage.

PERIOD OF RECORD.--June 1998 to current year.
GAGE.--Water-stage recorder. Elevation of gage is $1,600 \mathrm{ft}$ above sea level (from topographic map).
EXTREMES FOR PERIOD OF RECORD.--Maximum-recorded gage height, 15.78 ft, Oct. 17, 1998, Mar. 28, 2000; maximum daily, 15.77 ft, Mar. 28, 2000; minimum-recorded gage height, $14.90 \mathrm{ft}, \mathrm{Sept} 17,$.$1998 ; minimum daily, 14.95 \mathrm{ft}, \mathrm{Sept}$. 13 , 1998.

EXTREMES FOR CURRENT YEAR.--Maximum-recorded gage height, 15.78 ft , Mar. 28; maximum daily, 15.77 ft, Mar. 28 ; minimum-recorded gage height, 15.18 ft, Aug. 30; minimum daily, 15.18 ft, Aug. 30.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 15.51 | 15.58 | --- | --- | --- | - | 15.70 | 15.64 | 15.48 | 15.62 | 15.34 | 15.25 |
| 2 | 15.49 | 15.60 | --- | --- | --- | - | 15.70 | 15.64 | 15.52 | 15.64 | 15.33 | 15.24 |
| 3 | 15.48 | 15.60 | --- | --- | --- | --- | 15.73 | 15.62 | 15.53 | 15.63 | 15.32 | 15.28 |
| 4 | 15.47 | 15.59 | --- | --- | --- | --- | 15.72 | 15.61 | 15.51 | 15.61 | 15.30 | 15.27 |
| 5 | 15.47 | 15.58 | - | --- | --- | - | 15.71 | 15.61 | 15.50 | 15.60 | 15.30 | 15.27 |
| 6 | 15.46 | 15.57 | --- | --- | --- | --- | 15.73 | 15.61 | 15.49 | 15.60 | 15.36 | 15.27 |
| 7 | 15.48 | 15.57 | --- | --- | --- | --- | 15.70 | 15.61 | 15.49 | 15.58 | 15.36 | 15.32 |
| 8 | 15.56 | 15.57 | --- | --- | --- | --- | 15.68 | 15.69 | 15.50 | 15.60 | 15.35 | 15.34 |
| 9 | 15.55 | 15.55 | --- | --- | --- | --- | 15.68 | 15.72 | 15.47 | 15.60 | 15.33 | 15.38 |
| 10 | 15.54 | 15.54 | --- | --- | --- | --- | 15.66 | 15.70 | 15.48 | 15.58 | 15.31 | 15.45 |
| 11 | 15.52 | 15.55 | --- | --- | --- | - | 15.66 | 15.68 | 15.53 | 15.58 | 15.30 | 15.43 |
| 12 | 15.52 | 15.55 | --- | --- | --- | --- | 15.65 | 15.68 | 15.52 | 15.55 | 15.31 | 15.43 |
| 13 | 15.51 | 15.56 | --- | --- | --- | --- | 15.66 | 15.67 | 15.51 | 15.56 | 15.30 | 15.42 |
| 14 | 15.51 | 15.54 | --- | --- | --- | --- | 15.67 | 15.67 | 15.51 | 15.56 | 15.30 | 15.40 |
| 15 | 15.52 | 15.52 | --- | --- | --- | --- | 15.68 | 15.63 | 15.50 | 15.55 | 15.30 | 15.39 |
| 16 | 15.53 | 15.53 | --- | --- | --- | --- | 15.67 | 15.60 | 15.54 | 15.54 | 15.28 | 15.38 |
| 17 | 15.52 | 15.53 | --- | --- | --- | --- | 15.65 | 15.59 | 15.53 | 15.50 | 15.28 | 15.37 |
| 18 | 15.53 | --- | --- | --- | --- | --- | 15.65 | 15.58 | 15.56 | 15.46 | 15.28 | 15.36 |
| 19 | 15.57 | --- | --- | --- | --- | --- | 15.64 | 15.56 | 15.55 | 15.44 | 15.27 | 15.37 |
| 20 | 15.56 | --- | --- | --- | --- | --- | 15.63 | 15.54 | 15.64 | 15.44 | 15.26 | 15.36 |
| 21 | 15.56 | --- | --- | --- | --- | --- | 15.62 | 15.54 | 15.70 | 15.42 | 15.26 | 15.27 |
| 22 | 15.55 | --- | --- | --- | --- | --- | 15.63 | 15.55 | 15.68 | 15.41 | 15.26 | --- |
| 23 | 15.53 | --- | --- | --- | --- | --- | 15.66 | 15.55 | 15.67 | 15.40 | 15.24 | --- |
| 24 | 15.52 | --- | --- | --- | --- | --- | 15.67 | 15.53 | 15.66 | 15.39 | 15.24 | 15.26 |
| 25 | 15.51 | --- | --- | --- | --- | --- | 15.67 | 15.52 | 15.64 | 15.40 | 15.23 | 15.25 |
| 26 | 15.51 | --- | --- | --- | --- | --- | 15.66 | 15.50 | 15.68 | 15.39 | 15.22 | 15.24 |
| 27 | 15.51 | --- | --- | --- | --- | --- | 15.65 | 15.47 | 15.67 | 15.39 | 15.21 | --- |
| 28 | 15.50 | --- | --- | --- | --- | 15.77 | 15.66 | 15.45 | 15.64 | 15.38 | 15.20 | --- |
| 29 | 15.49 | --- | --- | --- | --- | 15.74 | 15.66 | 15.45 | 15.62 | 15.38 | 15.20 | 15.24 |
| 30 | 15.55 | --- | --- | --- | --- | 15.72 | 15.65 | 15.46 | 15.62 | 15.36 | 15.18 | 15.22 |
| 31 | 15.56 | --- | --- | --- | --- | 15.71 | --- | 15.46 | --- | 15.35 | 15.25 | --- |
| MEAN | 15.52 | --- | --- | --- | --- | --- | 15.67 | 15.58 | 15.56 | 15.50 | 15.28 | --- |
| MAX | 15.57 | --- | --- | --- | --- | --- | 15.73 | 15.72 | 15.70 | 15.64 | 15.36 | --- |
| MIN | 15.46 | - | - | --- | -- | --- | 15.62 | 15.45 | 15.47 | 15.35 | 15.18 | - |



