475807089483501 LOON LAKE, NORTHEAST SIDE, NEAR GRAND PORTAGE, MN
LOCATION.--Lat $47^{\circ} 58^{\prime} 07^{\prime \prime}$, long $89^{\circ} 48^{\prime} 35^{\prime \prime}$, $\mathrm{NW}^{1} / 4 \mathrm{NW}^{1} / 4 \mathrm{SE}^{1 / 4} \mathrm{sec} .4, \mathrm{~T} .63 \mathrm{~N}, \mathrm{R} .5 \mathrm{E} .$, 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 (no winter records).
GAGE.--Water-stage recorder. Elevation of gage is 1,600 ft above sea level (from topographic map).
REMARKS.-- Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum-recorded gage height, 16.12 ft , Apr. 13, 2001; maximum-recorded daily, 16.11 ft, Apr. 13-15, 2001; minimum-recorded gage height, 14.90 ft , Sept. 17, 1998; minimum-recorded daily, 14.95 ft , Sept. 13 , 1998.

EXTREMES FOR CURRENT YEAR.--Maximum-recorded gage height, 16.12 ft, Apr. 13; maximum-recorded daily, 16.11 ft, Apr. 13-15; minimum-recorded gage height, 15.09 ft , Oct. 13; minimum-recorded daily, $15.11 \mathrm{ft}, \mathrm{Oct}$. 13.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001 DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 15.20 | 15.25 | -- | --- | -- | --- | 15.63 | 15.94 | 15.71 | 15.38 | 15.54 | 15.50 |
| 2 | 15.18 | 15.44 | --- | --- | --- | --- | 15.64 | 15.90 | 15.74 | 15.38 | 15.56 | 15.50 |
| 3 | --- | 15.46 | --- | --- | --- | --- | 15.63 | 15.85 | 15.72 | 15.37 | 15.57 | 15.49 |
| 4 | --- | 15.45 | --- | --- | -- | --- | 15.63 | 15.81 | 15.70 | 15.37 | 15.53 | 15.46 |
| 5 | --- | 15.46 | --- | --- | --- | --- | 15.66 | 15.78 | 15.68 | 15.35 | 15.48 | 15.46 |
| 6 | --- | 15.48 | --- | --- | - | - | 15.69 | 15.77 | 15.66 | 15.34 | 15.47 | 15.46 |
| 7 | --- | 15.62 | --- | --- | --- | --- | 15.82 | 15.77 | 15.64 | 15.35 | 15.45 | 15.50 |
| 8 | --- | 15.66 | --- | --- | --- | --- | 15.93 | 15.76 | 15.62 | 15.33 | 15.46 | 15.53 |
| 9 | --- | 15.63 | --- | --- | --- | - | 15.92 | 15.75 | 15.62 | 15.29 | 15.52 | 15.53 |
| 10 | -- | 15.62 | --- | --- | --- | --- | 15.91 | 15.74 | 15.61 | 15.29 | 15.50 | 15.50 |
| 11 | 15.12 | 15.61 | --- | --- | --- | --- | 15.93 | 15.71 | 15.60 | 15.25 | 15.47 | 15.51 |
| 12 | 15.12 | 15.63 | --- | --- | --- | --- | 16.09 | 15.69 | 15.58 | 15.25 | 15.47 | 15.49 |
| 13 | 15.11 | 15.62 | --- | --- | --- | --- | 16.11 | 15.68 | 15.61 | 15.25 | 15.45 | 15.49 |
| 14 | 15.16 | 15.62 | --- | --- | --- | --- | 16.11 | 15.67 | 15.63 | 15.23 | 15.44 | 15.47 |
| 15 | 15.20 | 15.61 | --- | --- | --- | --- | 16.11 | 15.67 | 15.63 | 15.30 | 15.52 | 15.47 |
| 16 | 15.20 | 15.60 | --- | --- | --- | --- | 16.09 | 15.70 | 15.66 | 15.37 | 15.58 | 15.47 |
| 17 | 15.20 | 15.57 | --- | --- | --- | --- | 16.03 | 15.69 | 15.64 | 15.38 | 15.60 | 15.46 |
| 18 | 15.21 | --- | --- | --- | --- | --- | 15.98 | 15.67 | 15.62 | 15.37 | 15.62 | 15.46 |
| 19 | 15.20 | --- | --- | --- | --- | --- | 15.95 | 15.66 | 15.62 | 15.40 | 15.62 | 15.47 |
| 20 | 15.20 | --- | --- | --- | --- | --- | 15.94 | 15.65 | 15.61 | 15.40 | 15.61 | 15.45 |
| 21 | 15.18 | --- | --- | --- | --- | --- | 15.99 | 15.69 | 15.61 | 15.39 | 15.58 | 15.44 |
| 22 | 15.18 | --- | --- | --- | --- | --- | 16.03 | 15.77 | 15.59 | 15.38 | 15.55 | 15.42 |
| 23 | 15.18 | --- | --- | --- | --- | --- | 16.10 | 15.75 | 15.59 | 15.38 | 15.57 | 15.41 |
| 24 | 15.17 | --- | --- | --- | --- | --- | 16.03 | 15.73 | 15.56 | 15.37 | 15.56 | 15.41 |
| 25 | 15.19 | --- | --- | --- | --- | --- | 15.98 | 15.75 | 15.55 | 15.34 | 15.55 | 15.41 |
| 26 | 15.22 | --- | --- | --- | --- | --- | 15.99 | 15.78 | 15.53 | 15.32 | 15.53 | 15.40 |
| 27 | 15.22 | - | --- | --- | --- | --- | 15.98 | 15.77 | 15.51 | 15.32 | 15.52 | 15.39 |
| 28 | 15.21 | --- | --- | --- | --- | 15.59 | 15.95 | 15.76 | 15.48 | 15.33 | 15.52 | 15.39 |
| 29 | 15.21 | - | --- | --- | - | 15.61 | 15.97 | 15.77 | 15.40 | 15.32 | 15.50 | 15.39 |
| 30 | 15.22 | --- | --- | --- | --- | 15.62 | 15.98 | 15.74 | 15.40 | 15.35 | 15.53 | 15.38 |
| 31 | 15.22 | --- | --- | --- | --- | 15.62 | --- | 15.72 | --- | 15.40 | 15.51 |  |
| MEAN | --- | --- | --- | --- | --- | --- | 15.93 | 15.74 | 15.60 | 15.34 | 15.53 | 15.46 |
| MAX | --- | -- | --- | --- | - | -- | 16.11 | 15.94 | 15.74 | 15.40 | 15.62 | 15.53 |
| MIN | --- | --- | -- | -- | --- | --- | 15.63 | 15.65 | 15.40 | 15.23 | 15.44 | 15.38 |



