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.
GAGE.--Water-stage recorder. Elevation of gage is $1,600 \mathrm{ft}$ above sea level (from topographic map).
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, $15.78 \mathrm{ft} .$, Oct. 17,$1998 ;$ maximum daily, 15.74 ft . Oct. 17,18 , 1998 ; minimum gage height, 14.90 ft, Sept. 17, 1998; minimum daily, $14.95 \mathrm{ft.}$, Sept. 13, 1998.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.78 ft., Oct. 17; maximum daily, 15.74 ft. Oct. 17,18 ; minimum gage height, $15.02 \mathrm{ft}, \mathrm{Oct}$.5 ; minimum daily, $15.04 \mathrm{ft.}$, Oct. 3,4.

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 | 15.08 | 15.49 | --- | --- | --- | - | --- | 15.64 | 15.65 | 15.47 | 15.46 | 15.46 |
| 2 | 15.05 | 15.48 | --- | --- | --- | --- | --- | 15.62 | 15.65 | 15.45 | 15.45 | 15.46 |
| 3 | 15.04 | 15.48 | --- | --- | --- | --- | --- | 15.60 | 15.63 | 15.46 | 15.42 | 15.46 |
| 4 | 15.04 | 15.47 | --- | --- | --- | --- | --- | 15.58 | 15.63 | 15.50 | 15.45 | 15.49 |
| 5 | 15.07 | 15.46 | --- | --- | --- | --- | --- | 15.57 | 15.69 | 15.67 | 15.47 | 15.51 |
| 6 | 15.26 | 15.45 | --- | --- | --- | --- | --- | 15.59 | 15.71 | 15.65 | 15.47 | 15.50 |
| 7 | 15.31 | 15.45 | --- | --- | --- | --- | --- | 15.68 | 15.64 | 15.61 | 15.49 | 15.49 |
| 8 | 15.31 | 15.46 | --- | --- | --- | --- | --- | 15.68 | 15.61 | 15.59 | 15.48 | 15.57 |
| 9 | 15.31 | 15.46 | --- | --- | --- | --- | --- | 15.64 | 15.59 | 15.66 | 15.47 | 15.56 |
| 10 | 15.31 | --- | --- | --- | --- | --- | --- | 15.62 | 15.57 | 15.65 | 15.52 | 15.56 |
| 11 | 15.31 | --- | --- | --- | --- | --- | --- | 15.60 | 15.56 | 15.62 | 15.51 | 15.55 |
| 12 | 15.35 | --- | --- | --- | --- | --- | --- | 15.57 | 15.57 | 15.60 | 15.57 | 15.55 |
| 13 | 15.36 | --- | --- | --- | --- | --- | --- | 15.54 | 15.53 | 15.61 | 15.61 | 15.56 |
| 14 | 15.35 | --- | --- | --- | --- | --- | --- | 15.53 | 15.50 | 15.61 | 15.59 | 15.56 |
| 15 | 15.36 | --- | --- | --- | --- | --- | --- | 15.53 | 15.48 | 15.59 | 15.62 | 15.54 |
| 16 | 15.48 | --- | --- | --- | --- | --- | --- | 15.54 | 15.47 | 15.59 | 15.68 | 15.54 |
| 17 | 15.74 | --- | --- | --- | --- | --- | --- | 15.56 | 15.46 | 15.58 | 15.63 | 15.53 |
| 18 | 15.74 | --- | --- | --- | --- | --- | --- | 15.58 | 15.45 | 15.56 | 15.62 | 15.52 |
| 19 | 15.68 | --- | --- | --- | --- | --- | --- | 15.56 | 15.46 | 15.55 | 15.61 | 15.53 |
| 20 | 15.64 | --- | --- | --- | --- | --- | 15.73 | 15.60 | 15.44 | 15.53 | 15.55 | 15.53 |
| 21 | 15.61 | --- | --- | --- | --- | --- | 15.72 | 15.63 | 15.42 | 15.52 | 15.52 | 15.52 |
| 22 | 15.59 | --- | --- | --- | --- | --- | 15.73 | 15.60 | 15.42 | 15.50 | 15.52 | 15.51 |
| 23 | 15.57 | --- | --- | --- | --- | --- | 15.71 | 15.64 | 15.47 | 15.54 | 15.53 | 15.50 |
| 24 | 15.55 | --- | --- | --- | --- | --- | 15.70 | 15.66 | 15.49 | 15.57 | 15.53 | 15.50 |
| 25 | 15.54 | --- | --- | --- | --- | --- | 15.71 | 15.63 | 15.46 | 15.56 | 15.53 | 15.50 |
| 26 | 15.53 | --- | --- | --- | --- | --- | 15.72 | 15.60 | 15.45 | 15.54 | 15.51 | 15.53 |
| 27 | 15.52 | --- | --- | --- | --- | --- | 15.72 | 15.58 | 15.45 | 15.50 | 15.48 | 15.54 |
| 28 | 15.51 | --- | --- | --- | --- | --- | 15.70 | 15.56 | 15.45 | 15.53 | 15.43 | 15.53 |
| 29 | 15.50 | --- | --- | --- | --- | --- | 15.68 | 15.54 | 15.46 | 15.52 | 15.41 | 15.52 |
| 30 | 15.51 | --- | --- | --- | --- | --- | 15.66 | 15.57 | 15.46 | 15.51 | 15.41 | 15.52 |
| 31 | 15.50 | --- | --- | --- | --- | --- | --- | 15.63 | --- | 15.50 | 15.45 | --- |
| MEAN | 15.41 | --- | --- | --- | --- | --- | --- | 15.60 | 15.53 | 15.56 | 15.52 | 15.52 |
| MAX | 15.74 | -- | --- | --- | --- | --- | - | 15.68 | 15.71 | 15.67 | 15.68 | 15.57 |
| MIN | 15.04 | --- | --- | --- | --- | --- | --- | 15.53 | 15.42 | 15.45 | 15.41 | 15.46 |



