

LAKE OF THE WOODS BASIN--Continued
05124480 KAWISHIWI RIVER NEAR ELY, MN—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1966-69, 2001, 2003, 2004.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

| Date | Time | Sample type | pH, water, unfltrd lab, std units (00403) | Specif. conduc- tance, wat unfl lab, uS/cm 25 degC (90095) | Temper- ature, water, deg C (00010) | Calcium water, fltrd, mg/L (00915) | Magnes- ium, water, fltrd, mg/L (00925) | Potas- sium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) |
|-------|------|---------------|---|---|---|--|--|--|--|
| OCT | | | | | | | | | |
| 29... | 1045 | Environmental | 6.9 | 29 | 6.0 | 3.17 | 1.52 | .31 | 1.05 |
| JAN | | | | | | | | | |
| 09... | 1000 | Environmental | 6.5 | 31 | .0 | 3.19 | 1.41 | .34 | 1.15 |
| FEB | | | | | | | | | |
| 24... | 0940 | Environmental | 6.8 | 31 | .5 | 3.39 | 1.57 | .33 | 1.10 |
| MAR | | | | | | | | | |
| 25... | 1010 | Environmental | 6.7 | 32 | -- | 3.38 | 1.53 | .32 | 1.12 |
| APR | | | | | | | | | |
| 03... | 1030 | Environmental | 6.9 | 33 | 1.9 | 3.37 | 1.54 | .37 | 1.13 |
| 23... | 1745 | Environmental | 7.0 | 28 | -- | 2.73 | 1.25 | -- | -- |
| 28... | 1045 | Environmental | 6.5 | 28 | 6.0 | 3.23 | 1.51 | -- | -- |
| MAY | | | | | | | | | |
| 21... | 1630 | Environmental | 6.9 | 29 | 12.6 | 2.95 | 1.37 | -- | -- |
| JUN | | | | | | | | | |
| 08... | 1100 | Environmental | 7.0 | 28 | 18.0 | 2.88 | 1.33 | -- | -- |
| 09... | 1030 | Environmental | 6.8 | 28 | 17.3 | 2.89 | 1.32 | -- | -- |
| 20... | 1415 | Environmental | 6.8 | 28 | 18.6 | 3.00 | 1.34 | -- | -- |
| JUL | | | | | | | | | |
| 24... | 1845 | Environmental | 7.0 | 29 | 23.4 | 2.92 | 1.33 | -- | -- |
| 29... | 1415 | Environmental | 6.7 | 29 | 21.0 | 2.86 | 1.29 | -- | -- |
| AUG | | | | | | | | | |
| 29... | 1230 | Environmental | 6.7 | 30 | 18.4 | 3.03 | 1.31 | -- | -- |
| SEP | | | | | | | | | |
| 01... | 1130 | Environmental | 6.7 | 29 | 17.2 | 2.88 | 1.33 | -- | -- |
| 08... | 1745 | Environmental | 6.9 | 28 | 19.2 | 2.99 | 1.38 | -- | -- |
| 15... | 0930 | Environmental | 6.7 | 27 | 18.0 | 3.39 | 1.37 | -- | -- |
| 16... | 1744 | Environmental | 7.0 | 29 | 17.6 | 2.99 | 1.38 | -- | -- |
| 26... | 1700 | Environmental | 7.0 | 30 | 17.6 | 2.97 | 1.38 | -- | -- |

| Date | ANC, water, unfltrd Gran titr., ueq/L (00409) | Chlor- ide, water, fltrd, mg/L (00940) | Silica, water, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) | Ammonia water, unfltrd mg/L as N (00610) | Nitrate water, fltrd, mg/L as N (00618) | Organic carbon, water, fltrd, mg/L (00681) | Alum- inum, water, fltrd, ug/L (01106) | Organic mono- meric alum- inum, wat unfl ug/L (49288) |
|-------|---|---|--|--|---|--|---|---|--|
| OCT | | | | | | | | | |
| 29... | 188 | .3 | 1.15 | 1.7 | <.028 | .05 | 9.1 | <27 | <40 |
| JAN | | | | | | | | | |
| 09... | 197 | .3 | 1.15 | 2.0 | <.028 | .06 | 10.1 | <27 | <40 |
| FEB | | | | | | | | | |
| 24... | 220 | .3 | 1.33 | 1.9 | <.028 | .09 | 9.5 | 27 | <40 |
| MAR | | | | | | | | | |
| 25... | 206 | .3 | 1.42 | 1.9 | <.028 | .10 | 9.7 | <27 | <40 |
| APR | | | | | | | | | |
| 03... | 217 | .3 | 1.54 | 2.0 | <.028 | .12 | 10.0 | <27 | <40 |
| 23... | 190 | .3 | 1.59 | 2.1 | .058 | .10 | 9.5 | 45 | <40 |
| 28... | 182 | .3 | 1.74 | 2.0 | <.028 | .09 | 9.5 | 70 | <40 |
| MAY | | | | | | | | | |
| 21... | 198 | .2 | 1.65 | 1.9 | .054 | .05 | 9.2 | 104 | <40 |
| JUN | | | | | | | | | |
| 08... | 183 | .2 | 1.60 | 1.8 | .036 | .03 | 9.8 | 42 | <40 |
| 09... | 194 | .3 | 1.52 | 1.9 | .055 | .04 | 9.4 | 44 | <40 |
| 20... | 194 | .3 | 1.50 | 1.9 | .039 | .03 | 9.4 | 95 | <40 |
| JUL | | | | | | | | | |
| 24... | 204 | .2 | 1.24 | 1.8 | <.028 | <.03 | 10.3 | 61 | -- |
| 29... | 223 | .2 | 1.26 | 2.2 | .061 | <.03 | 10.0 | <27 | -- |
| AUG | | | | | | | | | |
| 29... | 237 | .3 | 1.26 | 2.3 | .032 | <.03 | 9.3 | 58 | -- |
| SEP | | | | | | | | | |
| 01... | 224 | .2 | 1.27 | 1.9 | .038 | <.03 | 9.3 | <27 | -- |
| 08... | 206 | .2 | 1.26 | 1.9 | .040 | <.03 | 8.9 | <27 | -- |
| 15... | 187 | .2 | 1.23 | 1.8 | -- | <.03 | 9.2 | 224 | -- |
| 16... | 206 | .2 | 1.26 | 1.9 | .037 | <.03 | 8.7 | 35 | -- |
| 26... | 207 | .2 | 1.30 | 1.9 | .066 | <.03 | 9.1 | 34 | -- |

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