# Table 1. Squaw Creek Watershed Snapshot Sampling Results – May 17, 2014.

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| --- | --- | --- | --- | --- | --- | --- |
|  | Unit | Method | # of samples | Min Value | Percentiles | Max Value |
| 25th | 50th | 75th |
| Water Temperature | degrees F | Thermometer - Field | 30 | 45 | 48 | 50 | 52 | 72 |
| pH | pH units | IOWATER test strip | 30 | 7 | 7 | 8 | 8 | 9 |
| Dissolved Oxygen | mg/L | IOWATER test strip | 30 | 6 | 8 | 10 | 12 | 12 |
| Nitrite-N | mg/L | IOWATER test strip | 30 | 0 | 0 | 0 | 0 | 0.15 |
| Nitrate-N | mg/L | IOWATER test strip | 30 | 0 | 10 | 10 | 20 | 20 |
| Orthophosphorus | mg/L | IOWATER Field Kit | 30 | 0 | 0 | 0.2 | 0.6 | 5 |
| Chloride | mg/L | IOWATER test strip  | 30 | 31 | 32 | 37 | 97 | 268 |
| Transparency | centimeters | IOWATER transparency tube | 30 | 10 | 14 | 60 | 60 | 60 |
| *E. coli* Bacteria | MPN/100 ml | IOWATER method | 29 | 0 | 200 | 367 | 800 | 7,133 |

mg/L = milligrams per liter (or parts per million - ppm); µg/L = micrograms per liter (or parts per billion)

MPN/100 ml = Most Probable Number per 100 milliliters of water

During May 2014, a total of 76 streams were sampled statewide as part of the Iowa Department of Natural Resources monthly stream monitoring program. Results from this statewide sampling provide perspective for any snapshot events conducted in May. Median levels from the May 2014 statewide sampling were as follows: water temperature – 54 degrees F; pH – 8.1; dissolved oxygen – 10.4 mg/L; chloride – 22 mg/L; nitrate+nitrite-N – 8.1 mg/L; total phosphate – 0.23 mg/L; *E. coli* bacteria – 80 MNP/100 ml.