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|--------------------------------------------------------------------------|------------------------|--------------------|---------------------|--------------------|---------------|
| <b>Analysis Report For:</b>                                              |                        |                    |                     | <b>Copy To:</b>    |               |
| Bob Lissner<br>C/O Wrighter Lake<br>114 Locust Lane<br>Thompson PA 18465 |                        |                    |                     |                    |               |
| <b>LAB ID</b>                                                            | <b>SAMPLE ID</b>       | <b>REPORT DATE</b> | <b>DATE SAMPLED</b> | <b>SAMPLE TYPE</b> | <b>COUNTY</b> |
| W37520                                                                   | Wrighter Lake Site #13 | 9/12/2025          | 9/8/2025            | Pond Water         | Susquehanna   |

**WATER ANALYSIS**  
**Pond/Lake Water Report (WP02)**

| Analysis                      | Units                       | Your Test Results | Level of concern                             |
|-------------------------------|-----------------------------|-------------------|----------------------------------------------|
| <i>E. coli</i> Bacteria       | MPN <sup>1</sup> per 100 mL | < 1               | greater than 126 (for swimming)              |
| Nitrate as N                  | mg/L                        | < 0.2             | greater than 3                               |
| Phosphorus (P)                | mg/L                        | < 0.025           | detectable (greater than 0.025 mg/L)         |
| Total Dissolved Solids (TDS)  | mg/L                        | 37                | greater than 1,000                           |
| pH                            | -                           | 7.3               | less than 6 or greater than 9                |
| Total Alkalinity              | mg CaCO <sub>3</sub> /L     | 15                | levels close to zero or not detected         |
| Hardness as CaCO <sub>3</sub> | mg/L                        | 18                | greater than 50 or 150 depending on pond use |
| Iron (Fe)                     | mg/L                        | < 0.10            | greater than 0.3                             |
| Manganese (Mn)                | mg/L                        | < 0.010           | greater than 0.05                            |
| Aluminum (Al)                 | mg/L                        | < 0.03            | greater than 0.1                             |
| Sulfate (SO <sub>4</sub> )    | mg/L                        | 3.1               | greater than 250                             |

**IMPORTANT:** The above results and interpretations are applicable to pond water only.

\*Please see the enclosed Fact Sheet, Interpreting Water Tests for Ponds and Lakes

For more information on how to properly manage your pond or lake, visit our web site: <http://extension.psu.edu/water/ponds>

If you have any questions on your test report, please contact Brad Kunsman, extension educator, at 610-813-6613 or [bjk21@psu.edu](mailto:bjk21@psu.edu).

<sup>1</sup>Probable number of colonies per 100 mL of water