



Analysis Report For:		Copy To:			
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W37512	Wrighter Lake Site #5	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 ¹ 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 ₃ /L	15	levels close to zero or not detected
Hardness as CaCO ₃	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 ₄)	mg/L	2.8	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.

¹Probable number of colonies per 100 mL of water