



Analysis Report For:				Copy To:	
Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27269	WL Site #1	9/20/2022	9/14/2022	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	43	greater than 1,000
pH	-	6.2	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.011	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.2	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 Peter Wulfhorst, Penn State extension educator, at 570-296-3400 or ptw3@psu.edu.

¹Probable number of colonies per 100 mL of water



Analysis Report For:				Copy To:	
Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27270	WL Site #2	9/20/2022	9/14/2022	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	40	greater than 1,000
pH	-	6.2	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	17	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	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	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27271	WL Site #3	9/20/2022	9/14/2022	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	2	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	39	greater than 1,000
pH	-	6.2	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	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	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27272	WL Site #4	9/20/2022	9/14/2022	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	39	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.011	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27273	WL Site #5	9/20/2022	9/14/2022	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	2	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	39	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.015	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27274	WL Site #6	9/20/2022	9/14/2022	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	3	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	38	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	17	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.017	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



Analysis Report For:			Copy To:		
Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27275	WL Site #7	9/20/2022	9/14/2022	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	38	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.015	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27276	WL Site #8	9/20/2022	9/14/2022	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	3	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	38	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.011	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27277	WL Site #9	9/20/2022	9/14/2022	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	2	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	38	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.016	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27278	WL Site #10	9/20/2022	9/14/2022	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	3	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	43	greater than 1,000
pH	-	6.3	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	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.016	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27279	WL Site #11	9/20/2022	9/14/2022	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	2	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	38	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	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	0.017	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



Analysis Report For:			Copy To:		
Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27280	WL Site #12	9/20/2022	9/14/2022	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	39	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.013	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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¹Probable number of colonies per 100 mL of water



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Robert Lissner c/o Wrighter Lake 114 Locust Lane Thompson PA 18465					
LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W27281	WL Site #13	9/20/2022	9/14/2022	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	5	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	39	greater than 1,000
pH	-	6.3	less than 6 or greater than 9
Total Alkalinity	mg CaCO ₃ /L	16	levels close to zero or not detected
Hardness as CaCO ₃	mg/L	19	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	< 0.10	greater than 0.3
Manganese (Mn)	mg/L	0.012	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO ₄)	mg/L	3.1	greater than 250

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