Agricultural Analytical Services Laboratory
The Pennsylvania State University
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Analysis Report For:	Copy To:
Sarah Hedin Silver Lake Assoc 805 West St Lewisberry PA 17339	

LAB ID	SAMPLE ID	REPORT DATE	DATE SAMPLED	SAMPLE TYPE	COUNTY
W18698	Silver Lake	7/16/2019	7/9/2019	Pond Water	York

WATER ANALYSIS
Pond/Lake Water Report (WP02)

Analysis	Units	Your Test Results	Level of concern
E. coli Bacteria	MPN[1] per 100 mL	46	greater than126 (for swimming)
Nitrate as N	mg/L	0.2	greater than 3
Phosphorus (P)	mg/L	0.039	detectable (greater than 0.025 mg/L)
Total Dissolved Solids (TDS)	mg/L	133	greater than 1,000
pH	-	7.5	less than 6 or greater than 9
Total Alkalinity	mg $CaCO_3$/L	67	levels close to zero or not detected
Hardness as $CaCO_3$	mg/L	84	greater than 50 or 150 depending on pond use
Iron (Fe)	mg/L	0.33	greater than 0.3
Manganese (Mn)	mg/L	0.065	greater than 0.05
Aluminum (Al)	mg/L	< 0.03	greater than 0.1
Sulfate (SO_4)	mg/L	13.4	greater than 250

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

Hardness is high.*
Iron is high.*
Manganese is high.*

Your pond/lake sample has suspended solids (sediment) which are difficult to completely filter from the water. This fine sediment may cause high levels of aluminum and/or iron to be measured when using standard laboratory procedures. Iron and/or aluminum that are in a suspended, not dissolved, form should not pose a hazard to fish in your pond/lake.

*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 Andy Yencha, Penn State extension educator, at 717-240-6510 or azy30@psu.edu.

[1]Probable number of colonies per 100 mL of water