



**Bear Lake**

1001 N Belmont Ave

Arlington Heights, IL 60004

Date Reported 12/07/23

Date Received 11/01/23

DNR State Cert. 750040280

**2300649-01 Bear Lake**

Sampled: 10/30/2023 12:00PM	Result	Units	Dilution	LOD	LOQ	Analyzed	Method	Notes
Alkalinity	36	mg/L	1	4	4	11/14/23	SM2320B	H
Ammonium as NH3-N	0.04	mg/L	1	0.01	0.05	11/06/23	SM4500-NH3 H	J
Calcium	9.663	mg/L	1	0.025	0.084	11/03/23	EPA 200.7	
Chloride (FIA)	1.7	mg/L	1	0.5	1.5	11/03/23	SM4500-Cl- G	
Conductivity	81	µS	1	1	1	11/14/23	SM2510B	
Hardness by Calculation	36.91	mg/L	1	0.099	0.337	11/03/23	SM2340B	
Magnesium	3.103	mg/L	1	0.009	0.031	11/03/23	EPA 200.7	
NO3+NO2(N)	ND	mg/L	1	0.1	0.3	11/03/23	SM4500-NO3- F	
pH	7.81	SU	1	0.10	0.30	11/14/23	SM4500H+B	H
Potassium	0.689	mg/L	1	0.072	0.242	11/03/23	EPA 200.7	
Sodium	1.852	mg/L	1	0.778	2.592	11/03/23	EPA 200.7	J
Soluble Reactive Phosphorus	ND	mg/L	1	0.005	0.017	11/06/23	SM4500-P F	
Sulfate (ICP)	2.43	mg/L	1	0.14	0.48	11/03/23	EPA 200.7	
Total Kjeldahl Nitrogen	0.60	mg/L	1	0.05	0.15	11/22/23	EPA 351.2	
Total Phosphorus	0.020	mg/L	1	0.006	0.018	11/22/23	EPA 365.4	
Turbidity	1.9	NTU	1	0.1	0.3	11/21/23	SM2130B	H

**NOTES/DEFINITIONS**

D: Sample diluted

H: Hold time exceeded

J: Estimated value between limit of detection and limit of quantitation

ND: Analyte not detected at or above the reporting limit

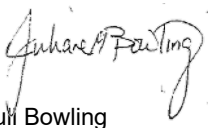
LOD: Limit of Detection. Adjusted for sample dilution when applicable.

LOQ: Limit of Quantitation. Adjusted for sample dilution when applicable.

MPN: Most Probable Number

E. coli count: ND means analyte not detected at or above the limit of detection (LOD), which is 1 organism/100mL

Authorized Signature:

  
Julie Bowling