

Bethany Lake, Bethany

Water Data 2025

Water data was collected for Bethany Lake on July 16, 2025 at 9:29 AM
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Table 1. Date, site location, weather conditions, and water clarity (Secchi)

Date	Latitude (DD)	Longitude (DD)	Latitude (DMS)	Longitude (DMS)	Weather Conditions	Water Clarity (Secchi) (m)
7/16/2026	41.413442	-72.968352	41° 24' 48.4"N	72° 58' 6.1"W	Partly cloudy	3.3

Table 2. Vertical Profiles: dissolved oxygen, temperature, specific conductance, and turbidity

Depth (m)	Depth (ft)	Dissolved Oxygen (mg/L)	Temperature (°C)	Temperature (°F)	Specific Conductance (µs/cm)	Turbidity (FNU)
0.5	1.6	7.95	28.0	82.4	117.0	0.77
1.0	3.3	7.98	27.9	82.2	117.0	0.75
2.0	6.6	8.24	26.3	79.3	119.8	1.00
3.0	9.8	6.30	20.8	69.4	121.8	1.40
4.0	13.1	3.00	15.9	60.6	112.4	0.66
5.0	16.4	2.32	13.6	56.5	117.0	0.50
6.0	19.7	1.97	11.7	53.1	114.7	0.56
7.0	23.0	1.34	10.4	50.7	115.5	0.95
8.0	26.2	0.90	9.6	49.3	116.1	2.33
9.0	29.5	0.33	9.1	48.4	116.7	4.60
10.0	32.8	0.20	8.9	48.0	117.4	6.06
11.0	36.1	0.10	8.7	47.7	118.5	7.50
12.0	39.4	0.07	8.7	47.7	119.0	8.37
13.0	42.7	0.05	8.6	47.5	120.6	9.30
14.0	45.9	0.05	8.6	47.5	123.2	12.33

Table 3. Surface and Bottom Measurements: conductivity, total dissolved solids, salinity, pH, alkalinity, and nutrients

Depth (m)	Depth (ft)	Conductivity (µs/cm)	Total Dissolved Solids (TDS)	Salinity (ppt)	pH	Alkalinity (CaCO3 mg/L)	Phosphorus (ppb)	Nitrogen (ppb)
0.5	1.6	124	76	0.05	7.2	20.3	2	TBD
14.0	45.9	85	81	0.06	6.2	10.5	8	TBD