



Log Details - #4

Aurora Lake

1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

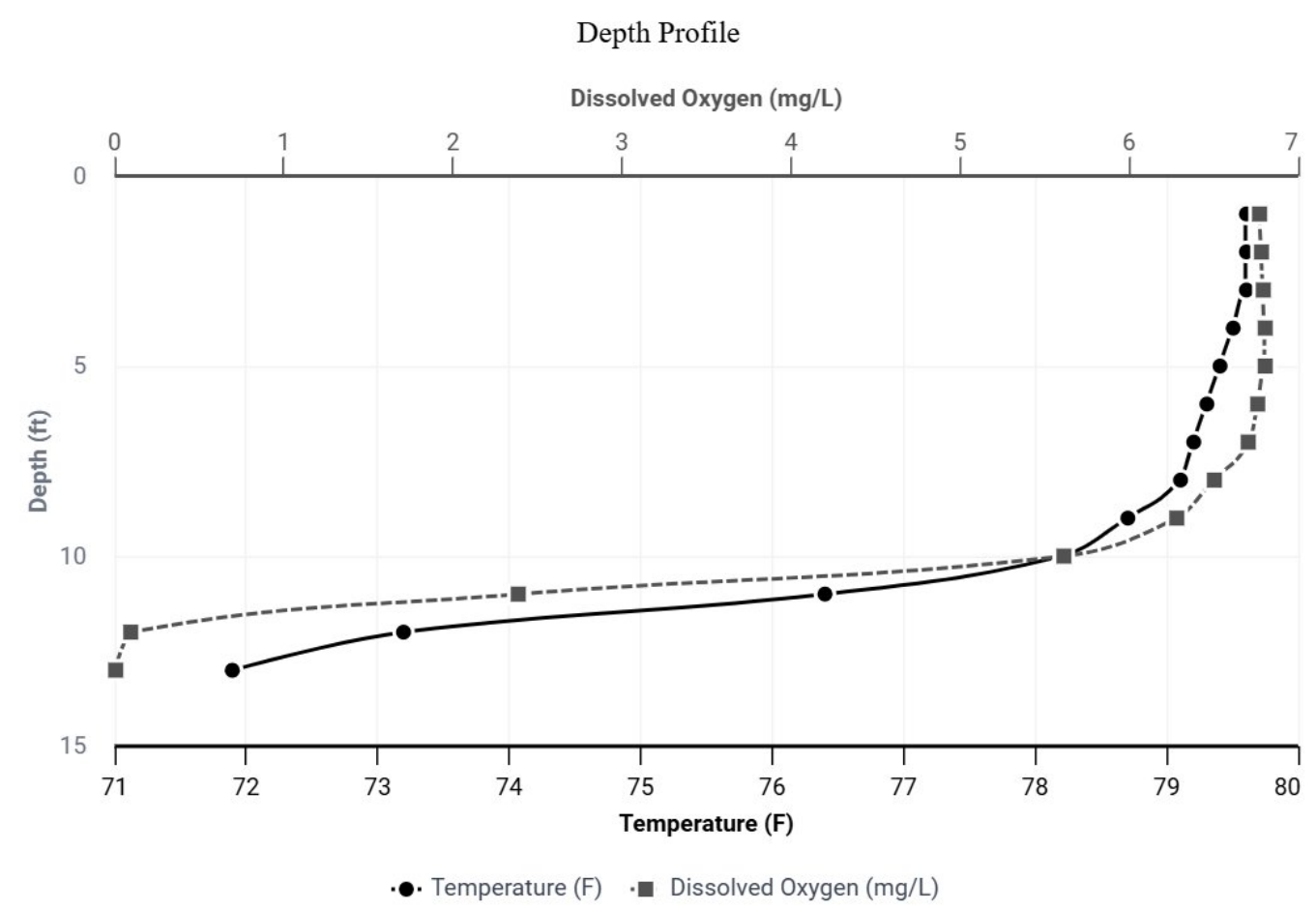
Weather Data				General Information	
Temperature	85°F			Start Date/Time	06/11/2026 10:00 AM
Conditions	Rain	Wind	4.7 mph South-East	Lead Staff	Ed Kwietniewski
Humidity	67%	Pressure	1010 hPa	Additional Staff	Ed Kwietniewski
Sunrise/Sunset	5:51 AM / 8:59 PM				

Map



Depth Profile

Aurora Lake 1 | 06/11/2026 11:17 AM



Profile Data 13 data points

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	79.60	6.77
2.00	79.60	6.78
3.00	79.60	6.79
4.00	79.50	6.80
5.00	79.40	6.80
6.00	79.30	6.76
7.00	79.20	6.71
8.00	79.10	6.50
9.00	78.70	6.28
10.00	78.20	5.61
11.00	76.40	2.39

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
12.00	73.20	0.10
13.00	71.90	0.00

Observation

Species	Type	Severity	Location	Treated
Elodea Canadensis	Submerged plants	Very slight	Aurora Lake 1	No
Cyanobacteria	Other	Low	Aurora Lake 1	No

Photos



Small quantity of Microcystis near boat launch area 6-11-2026



Aurora Lake 6-11-2026



Boat Launch at Aurora Lake 6-11-2026



Northwest Cove 6-11-2026



General color of water 6-11-2026



Southern cove 6-11-2026



Elodea canadensis example found in lake

6/11/26
Aurora Lake
Heavily Sunny with slight wind from South
78°F, slight Rain last night

Secchi: 1.75 ft.
@ 10 ft.
Algae taken

Depth	Temp	D.O.	Cond	pH	ORP	Chl a	Phos.
1	79.6	6.77	835	7.47	78.3	4.02/0.64	2.87/1.49
2	79.6	6.77	835	7.47	78.3	4.02/0.64	1.23/1.13
3	79.6	6.77	832	7.47	78.3	4.02/0.64	1.20/1.16
4	79.5	6.80	832	7.47	78.3	4.02/0.64	1.22/1.12
5	79.4	6.80	831	7.47	78.3	4.02/0.64	1.25/1.15
6	79.3	6.76	834	7.56	78.3	4.02/0.64	1.29/1.18
7	79.2	6.71	829	7.55	78.2	4.02/0.64	1.29/1.15
8	79.1	6.50	828	7.52	78.0	3.96/0.70	1.24/1.14
9	78.7	6.07	828	7.47	77.8	3.99/0.70	1.24/1.06
10	78.2	5.61	821	7.36	77.9	3.81/0.70	1.21/0.92
11	76.4	2.39	811	7.06	77.8	3.81/0.60	0.87/0.48
12	73.2	0.10	799	6.86	75.7	3.81/0.49	0.87/0.48
13	71.9	0	782	6.51	75.7	2.21/0.58	0.87/0.43

Chl a: 2.42/0.64
AL 1: 3.97/1.02
AL 2: 3.15/0.73
AL 3: 4.39/1.44
AL 4: 4.46/1.20
AL 5: 3.73/0.93
AL 6: 4.12/1.01
AL 7: 3.45/0.79
AL 8: 4.44/1.44
AL 9: 3.33/1.94
AL 10: 2.88/0.75

Raw Data Sheet 6-11-2026

Notes

6-11-2026 - Aurora Lake

AQUA DOC conducted our 4th assessment visitation to Aurora Lake on 6-11-2026 to collect water quality information and determine if any algaecides applications were necessary for the lake. The lake generally appeared to have a lower quantity of Microcystis throughout its main body and the only notable amount of algae was located at the boat launch (pictured). The lake water had a tinge of color to it and a noted reduced Secchi transparency was observed at the time of sampling since our last visitation 2 weeks ago (1.75 ft vs. 3.25 ft).

Depth profile data continues to showcase expected trends for a shallow, polymictic lake system. Temperature and dissolved oxygen stayed relatively consistent up until the final 4.0 ft of depth where the early signs of a thermocline appeared to be forming. Dissolved oxygen showcased significant reduction within this depth with negative ORP values supporting reduction reactions (high likelihood of internal phosphorus release).

Spatial chlorophyll data showcased an average concentration of 3.97 mg/L. Specific data points from our 10 sampling locations are as follows (PLEASE NOTE THAT THE MAP IS EXPERIENCING

ISSUES AT THE TIME OF THIS REPORT. THE LOCATIONS ARE THE SAME AS PREVIOUS SAMPLING EVENTS IN OTHER REPORTS):

AL1: 3.95 mg/L
AL2: 3.15
AL3: 4.39
AL4: 4.62
AL5: 3.73
AL6: 4.12
AL7: 3.05
AL8: 4.04
AL9: 7.33
AL10: 2.89

Within the Hawthorn channel, an example of common waterweed (*Elodea canadensis*) was noted in a few locations adding to potential macrophytes that could possibly grow in Aurora Lake should clarity improve overtime. During our observations of the lake, no lilies were noted besides the usual cow lilies (spatterdock) that normal grows in select areas.

We will make a return trip in approximately 2 weeks. No applications were conducted during today's visitation.