



Log Details - #5

Aurora Lake

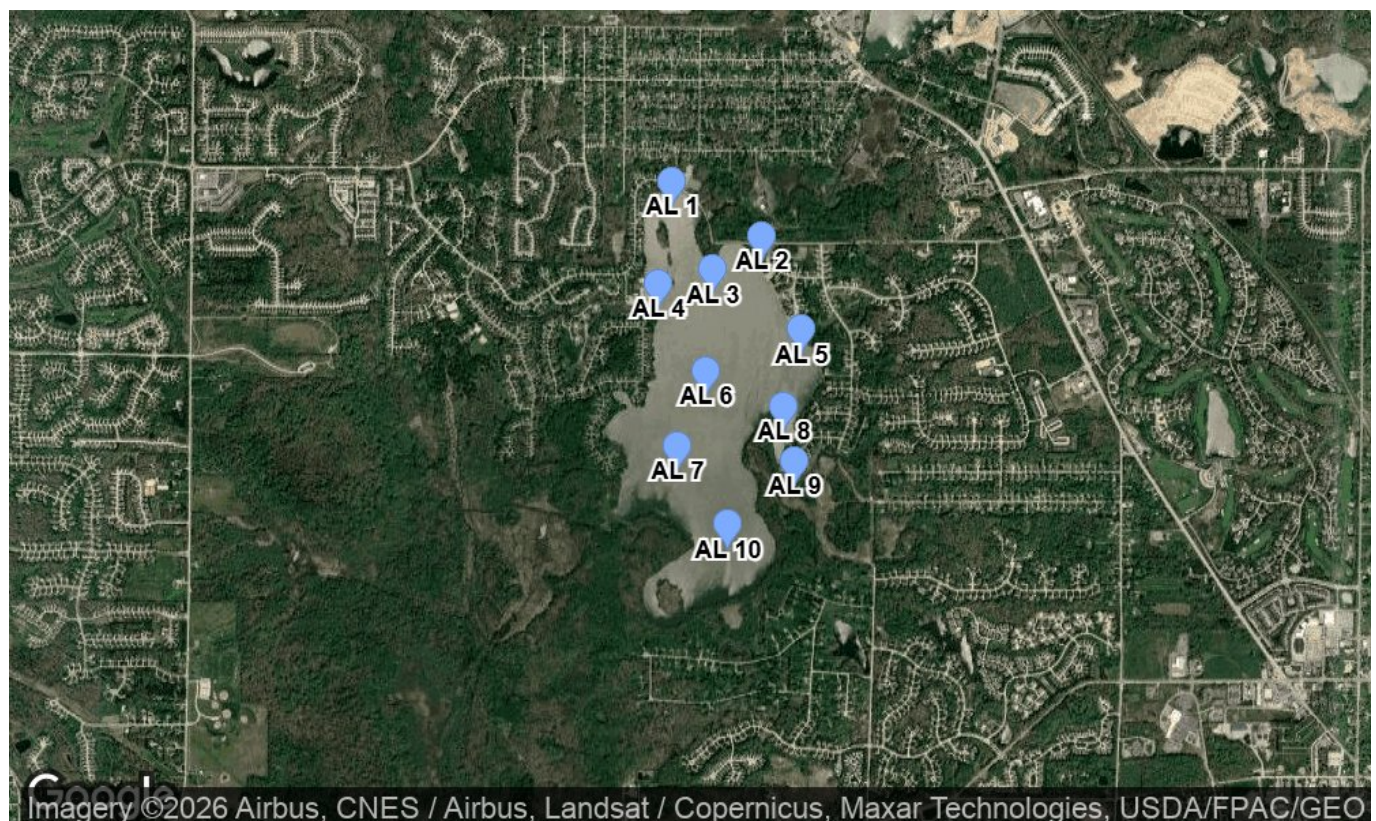
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	72°F			Start Date/Time	06/25/2026 10:00 AM
Conditions	Rain	Wind	5.09 mph South-East	Lead Staff	Ed Kwietniewski
Humidity	82%	Pressure	1014 hPa	Additional Staff	Ed Kwietniewski
Sunrise/Sunset	5:53 AM / 9:02 PM				

Map

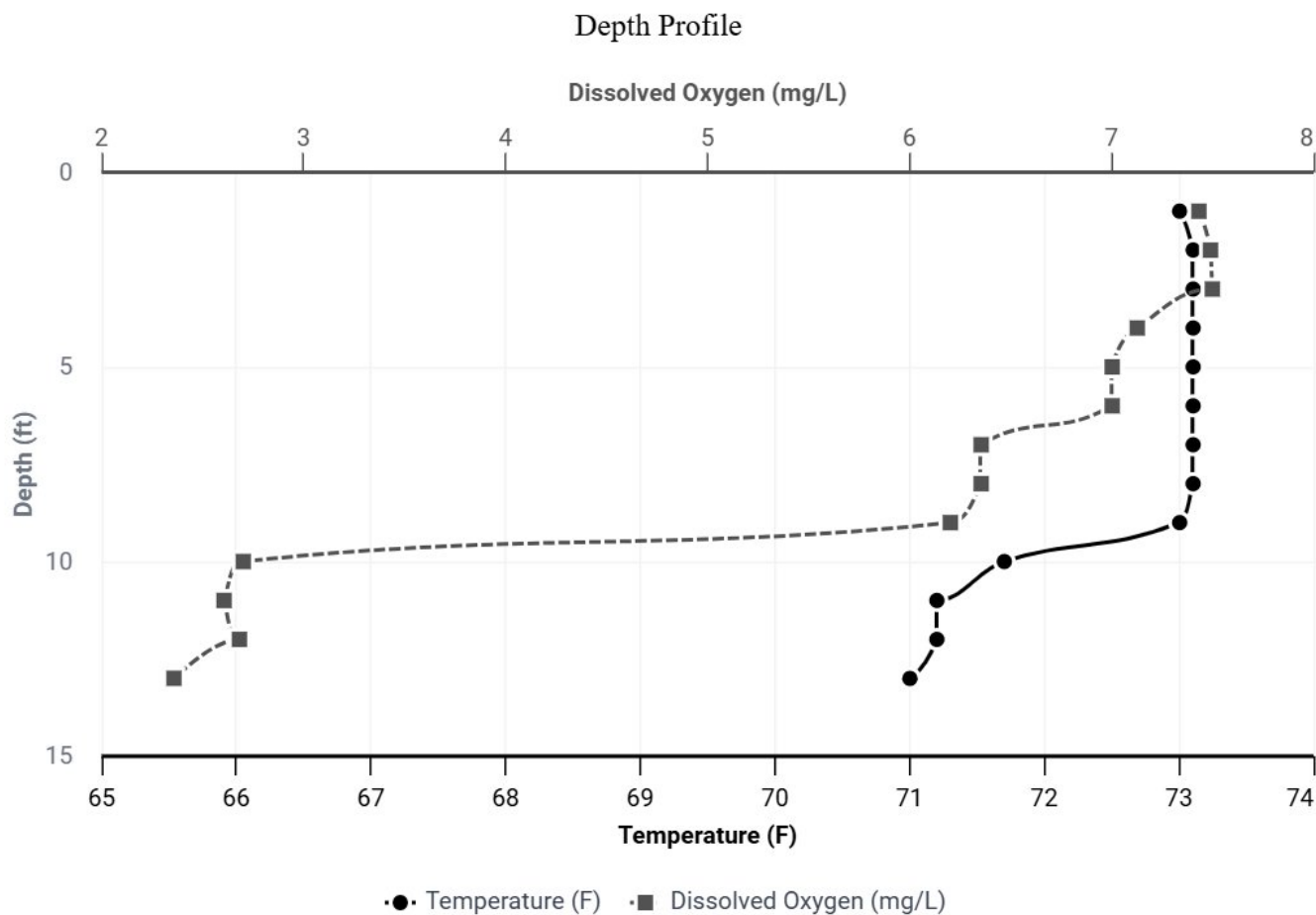


Map Graphics

Type	Coordinates	Label	Area	Perimeter
marker	41.334934, -81.389631	AL 4	N/A	--
marker	41.337174, -81.383108	AL 2	N/A	--
marker	41.330809, -81.386605	AL 6	N/A	--
marker	41.332775, -81.380597	AL 5	N/A	--
marker	41.327281, -81.388429	AL 7	N/A	--
marker	41.329118, -81.381691	AL 8	N/A	--
marker	41.335611, -81.386155	AL 3	N/A	--
marker	41.326555, -81.381048	AL 9	N/A	--
marker	41.339767, -81.388743	AL 1	N/A	--
marker	41.323558, -81.385232	AL 10	N/A	--

Depth Profile

Aurora Lake 1 | 06/25/2026 10:54 AM



Profile Data 13 data points

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	73.00	7.43
2.00	73.10	7.49
3.00	73.10	7.50
4.00	73.10	7.13
5.00	73.10	7.00
6.00	73.10	7.00
7.00	73.10	6.35
8.00	73.10	6.35
9.00	73.00	6.20
10.00	71.70	2.70
11.00	71.20	2.61
12.00	71.20	2.68
13.00	71.00	2.36

Photos



Boat Launch 6/25/26



Boat Launch 6/25/26



Main Body of Lake 6/25/26



Microcystin Sample Collected 6/25/26



Main Body of Lake 6/25/26



Hawthorne Channel 6/25/26



South Beach 6/25/26



North Beach 6/25/26



Southwest Cove 6/25/26

Raw Data Sheet 6/25/26

Notes

AQUA DOC - 6/25/2026 - Visitation 5

AQUA DOC conducted a visitation to Aurora Lake on 6-25-2026 to conduct our regular assessment of nuisance growth in the lake, construct a depth profile of physical and chemical data at the deep point, collect wet samples for lab analysis, and perform maintenance on the in-situ data buoy. Rain was present at the start of our visit but cleared up about halfway through completing our tasks.

Depth profile data showcased relatively weak thermal stratification with a weak thermocline being present at approximately 10.0 ft. Below this, dissolved oxygen (DO) was significantly reduced to concentrations below 3.0 mg/L. Although this is below our normal safety threshold (4.0 mg/L), it was only present at the bottom 3.0 ft of water and the upper 10.0 ft of water was well within acceptable parameter thresholds. DO concentrations from the in-situ buoy do showcase occasional, temporary moments below 4.0 mg/L highlighting increased respiration. No management actions are currently suggested to address temporary moments of low DO as these moments are brief and spontaneous and not likely to significantly impact gilled organisms or internal nutrient release. All other collected parameters were normal for an Ohio kettle lake.

Spatial chlorophyll concentrations were similar to what was collected during our previous visitation on 6/11/2026 with an overall average across the lake of 4.32 ug/L. Exact concentrations in the sampling locations (in above map) are as follows:

AL1: 3.97 ug/L
AL2: 3.08
AL3: 4.95
AL4: 2.65
AL5: 3.02
AL6: 3.8
AL7: 3.8
AL8: 4.35
AL9: 9.12
AL10: 4.62
SW Cove: 4.21

Also collected during our visit was a Microcystin sample at the deep point (AL6), a total phosphorus sample at the deep point, and an E. coli sample at both beaches. Previously collected Microcystin samples have been well below concerning thresholds (8.0) and should be available in the documents tab of the online portal. Previously collected E.coli samples were also below concerning human health thresholds.

No lilies (other than in the northeast cove and spatterdock) have been noted in the lake. Overall, the lake appears to be in good, recreationally favorable health. No treatments were necessary during today's visit.

Thanks! - EJK