



Log Details - #9

Aurora Lake

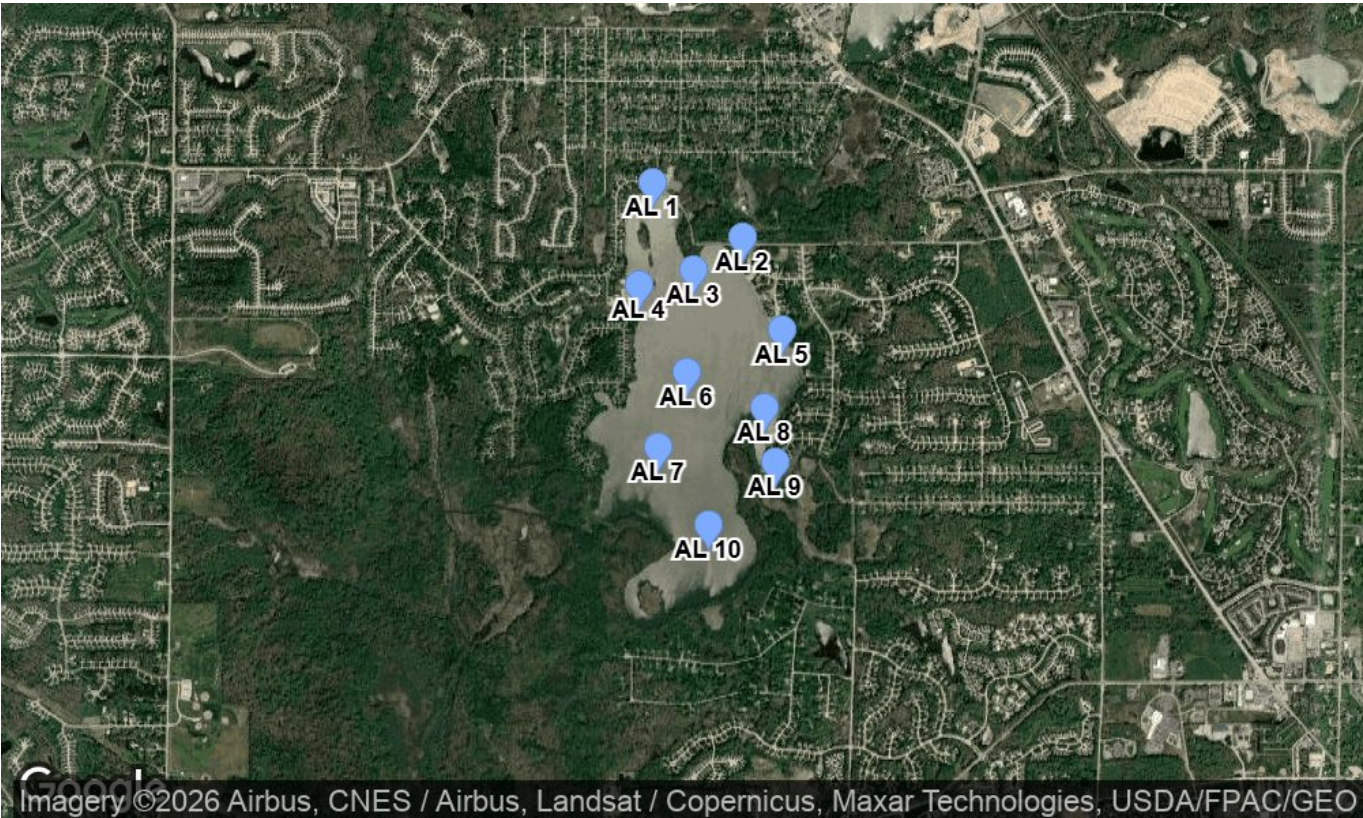
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	77°F			Start Date/Time	08/20/2026 10:00 AM
Conditions	Rain	Wind	1.61 mph North-West	Lead Staff	Ed Kwietniewski
				Additional Staff	Ed Kwietniewski
Humidity	58%	Pressure	1016 hPa		
Sunrise/Sunset	6:39 AM / 8:18 PM				

Map



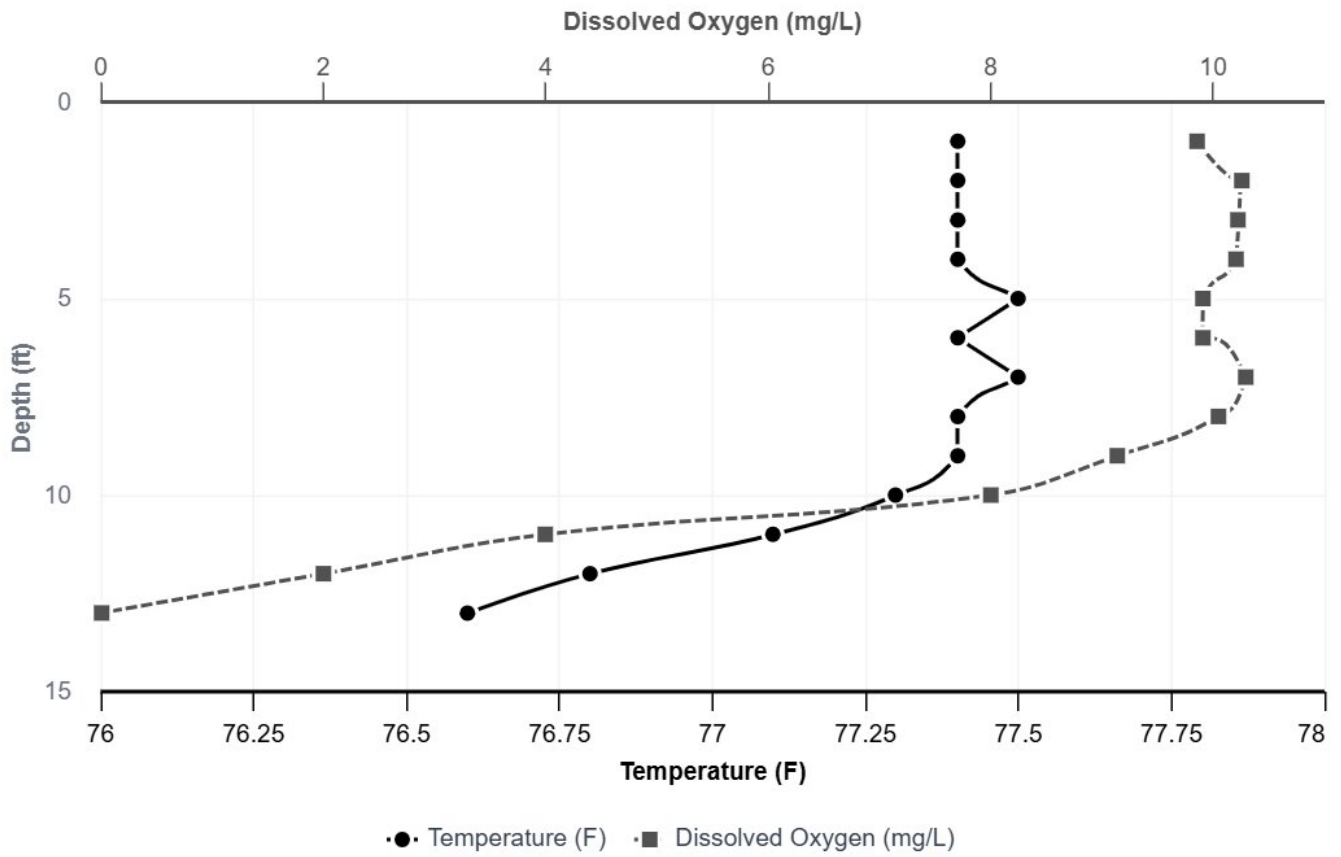
Map Graphics

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 | 08/20/2026 10:10 AM

Depth Profile - Aurora Lake - 8-20-2026



Profile Data 13 data points

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	77.40	9.86
2.00	77.40	10.25
3.00	77.40	10.23
4.00	77.40	10.20
5.00	77.50	9.91
6.00	77.40	9.90
7.00	77.50	10.29
8.00	77.40	10.04
9.00	77.40	9.14
10.00	77.30	8.00
11.00	77.10	4.00
12.00	76.80	2.00
13.00	76.60	0.00

Observation

Species	Type	Severity	Location	Treated
Cyanobacteria	Other	High	Site Wide	No

Photos



Double checking depth 8-20-2026



General water appearance 8-20-2026



Center of lake 8-20-2026



West cove 8-20-2026



Northern tip of lake 8-20-2026



Northeast cove 8-20-2026



Hawthorn inlet 8-20-2026



Kimmerer sample 1.0 ft from surface 8-20-2026



Beach E.coli samples were collected today
8-20-2026

Notes

AQUA DOC - Visit 9 - 8/20/2026

AQUA DOC conducted our 9th visitation of the 20206 season to Aurora Lake on 8/20/2026. Overall algal density appears to remain high but cooler temperatures and on/off rain appears to have knocked most algae into the depths of the water column. Little no no surface scum was noticed onsite during todays visitation and phycocyanin concentrations have reduced since our previous visitation/ application based on buoy readings. Previously collected human health data also showcased no concerning levels of microcystin or E. coli suggesting the waters are safe for recreational usage. These samples were recollected during todays visitation to reconfirm safe threshold levels. Our usual procedure of data collection and buoy maintenance was conducted today including wet chemistry data collection, spatial chlorophyll collection, and depth profile creation.

Depth profile data echoed the previous visitations with dissolved oxygen loss closer to the bottom of the lake. Chlorophyll a and phycocyanin content was mixed throughout most of the water column and elevated compared to previous sampling dates. pH remained relatively alkaline - neutral throughout the water column.

Spatial chlorophyll-a data is represented below:

AL1: 7.23 ug/L
AL2: 7.17
AL3: 6.97
AL4: 7.62
AL5: 8.35
AL6: 8.45
AL7: 8.24
AL8: 18.22
AL9: 13.28
AL10: 14.70
Cove: 9.04

As algae growth was not condensed to a singular location to maximize treatment efficiency nor was there any surface scum, no application was conducted during today's visitation.

All wet chemistry samples were delivered to their respective labs and our next visit should be in approximately 14 days.

Thanks!