



Log Details - #7

Aurora Lake

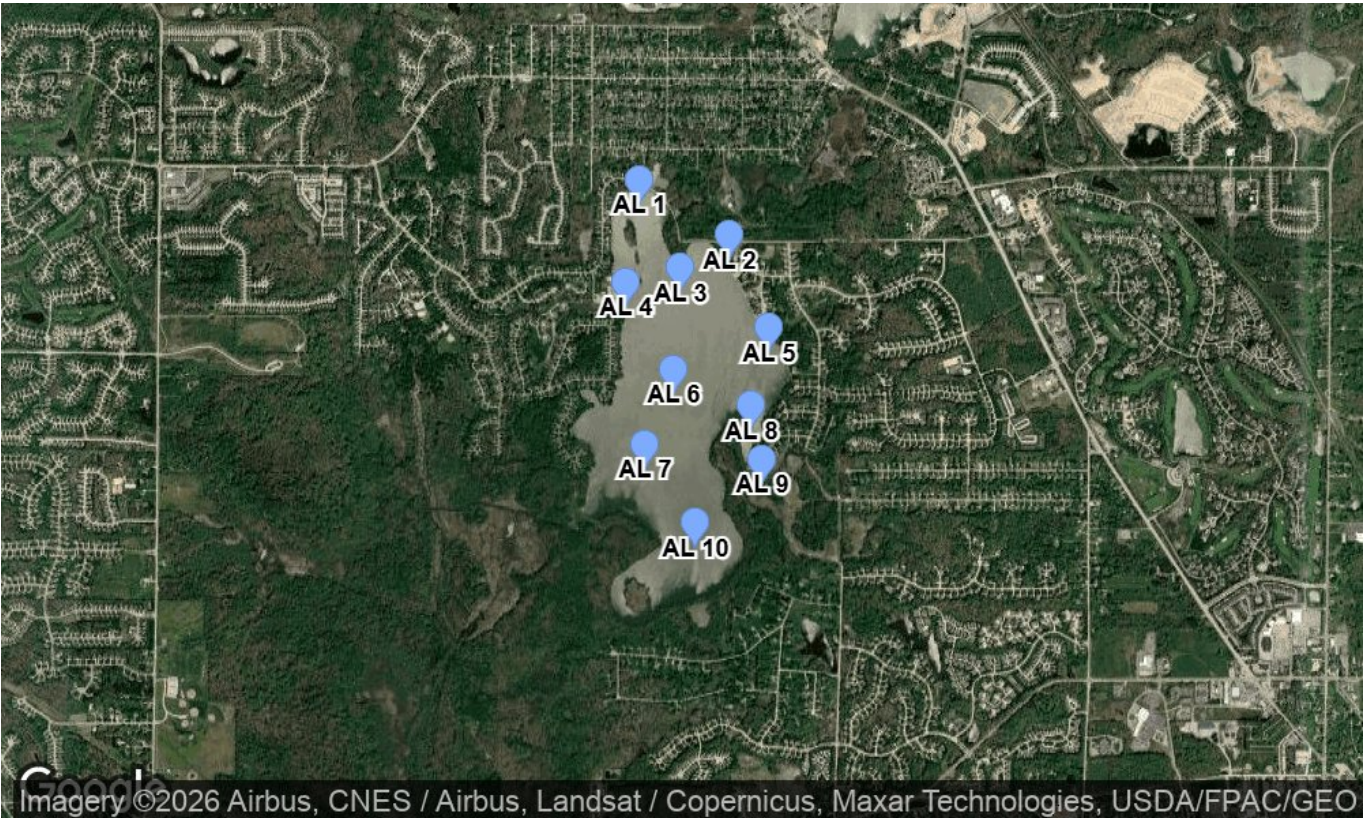
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	75°F			Start Date/Time	07/23/2026 10:00 AM
Conditions	Clouds	Wind	2.6 mph North-East	Lead Staff	Ed Kwietniewski
				Additional Staff	Ed Kwietniewski
Humidity	47%	Pressure	1020 hPa		
Sunrise/Sunset	6:15 AM / 8:48 PM				

Map



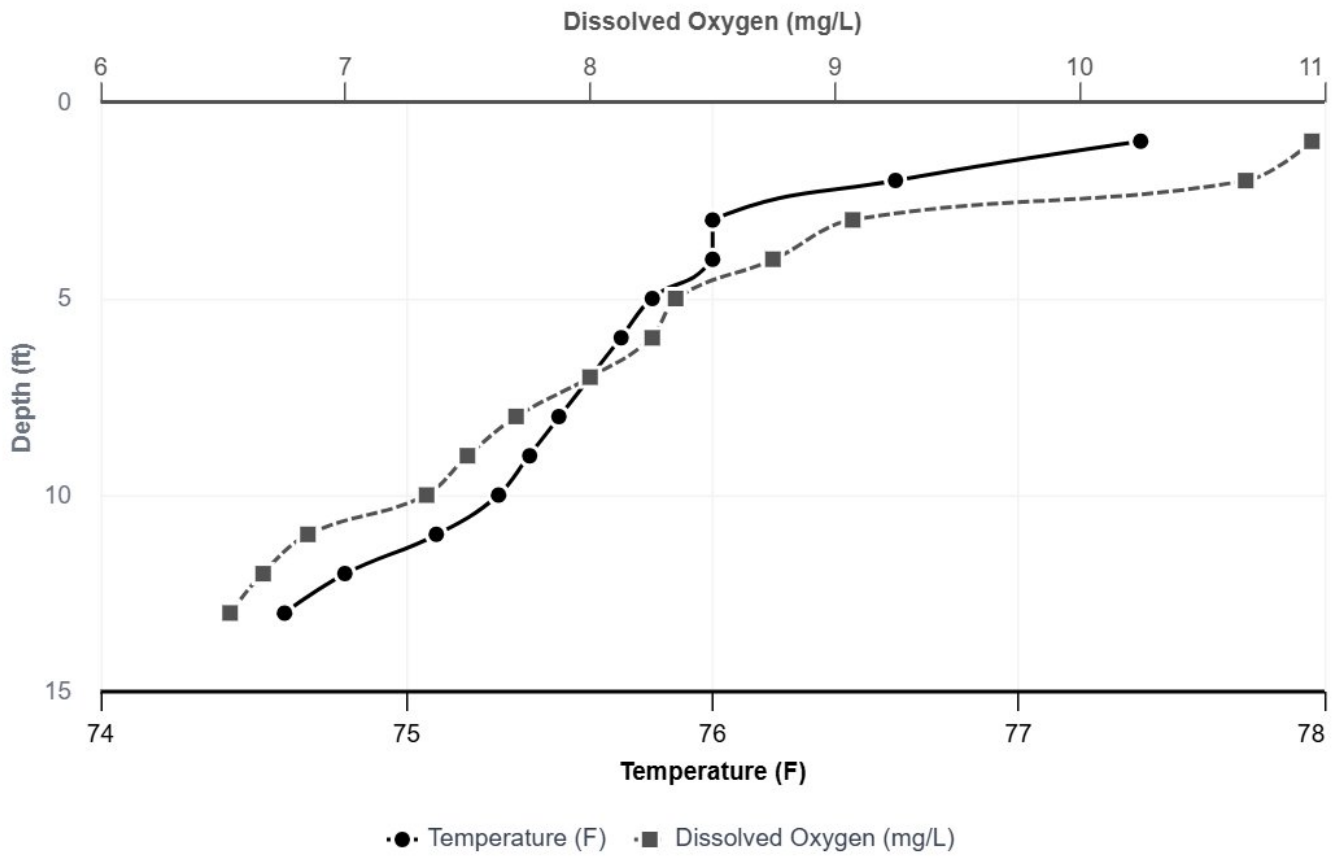
Map Graphics

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 | 07/23/2026 10:20 AM

Depth Profile - Aurora Lake - 7-23-2026



Profile Data 13 data points

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	77.40	10.95
2.00	76.60	10.68
3.00	76.00	9.07
4.00	76.00	8.75
5.00	75.80	8.35
6.00	75.70	8.25
7.00	75.60	8.00
8.00	75.50	7.70
9.00	75.40	7.50
10.00	75.30	7.33
11.00	75.10	6.85
12.00	74.80	6.66
13.00	74.60	6.53

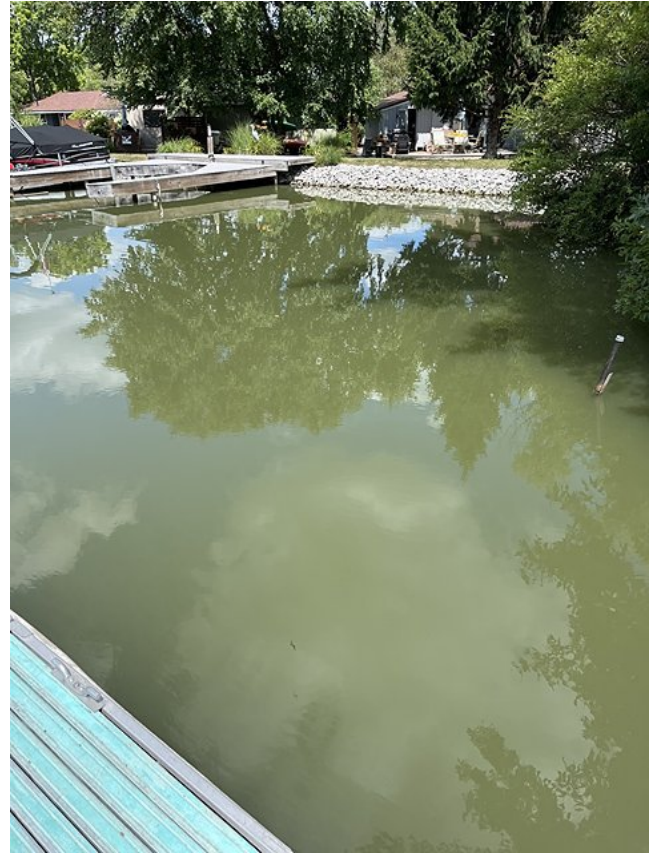
Observation

Species	Type	Severity	Location	Treated
Cyanobacteria	Other	Low	Site Wide	No

Photos



Aurora Lake Launch 7-23-2026



Aurora Lake Launch 7-23-2026



General Appearance of Water 7-23-2026



Main Body of Lake 7-23-2026



Main Body of Lake 7-23-2026



Microcystin sample. 7-23-2026



South Beach 7-23-2026



West Cove 7-23-2026



Hawthorn Channel 7-23-2026



Northeast Cove 7-23-2026



Noted lilies near AL 1 7-23-2026

Notes

AQUA DOC - Visit 7 - 7-23-2026

AQUA DOC conducted our 7th visitation of the 2026 season on 7-23-2026 to assess Aurora Lake and conduct any applications if deemed necessary. Overall algae growth appears to be growing steadily as we continue to have consistent warm temperatures and sunlight availability. No major surface blooms were noted during today's visit even with average chlorophyll a being higher than previous visits. Today's visit was highlighted with our standard water quality data collection procedures which includes a depth profile, chlorophyll a spot check, buoy maintenance, and wet chemistry the consisted of TP and microcystin at the deep point as well as E. coli sampling at the beaches.

Depth profile data shifted from a weakly stratified system to a weakly mixed system with chemical and physical data showcasing a general decreasing trend from the surface to the bottom. Dissolved oxygen was present from the surface to the bottom without any noted hypoxic or anoxic conditioning. ORP values highlight the presence of oxygen with strong positive values from surface to bottom suggesting movement of redox reactions to oxidative states. Water column chlorophyll a and phycocyanin was heightened compared to previous visitations. Negative ORP values and weak thermal stratification were noted at the bottom of the lake during the previous visitation which could mean additional phosphorus was released into the upper areas of the water column between then and this visit. This could help to exacerbate algae growth by increasing phosphorus availability (food).

Spatial chlorophyll a data was heightened compared to previously collected data but no surface blooms/scum were noted on the lake. Based on the depth profile data, algae appears to be distributed across the water column and lake but not at high enough concentrations to generate a condensed bloom. Results are described below:

AL 1: 4.72 ug/L
AL 2: 5.24
AL 3: 6.00
AL 4: 7.20
AL 5: 6.10
AL 6: 8.43
AL 7: 4.19
AL 8: 5.69
AL 9: 8.34
AL 10: 4.40
Cove: 4.51

Total P, microcystin, and E .coli samples were sent to their respective labs same day. If any values are above concerning thresholds, you will be notified.

Our next visitation will be approximately 2 weeks from this visit.

Thanks!