



Log Details - #12

Aurora Lake

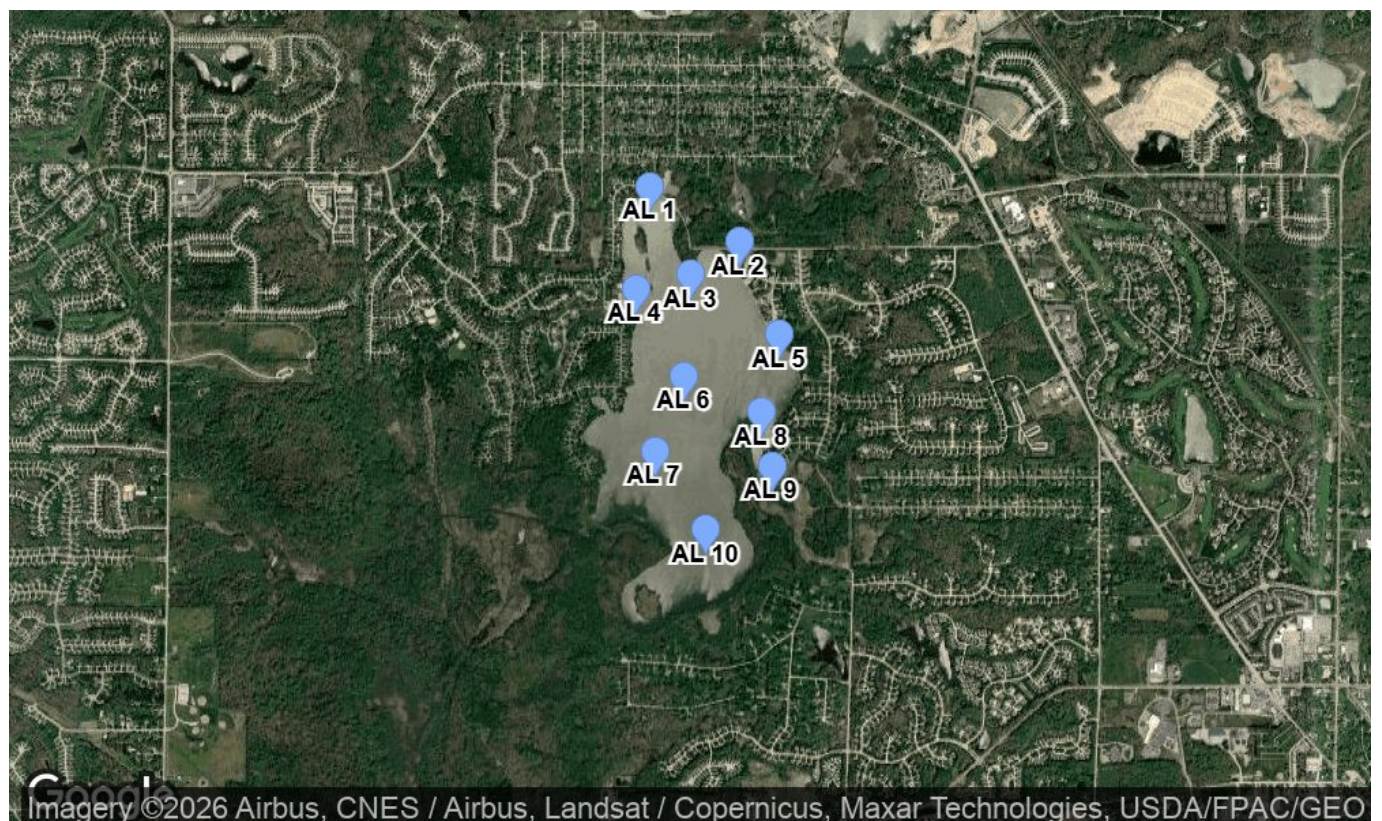
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	67°F			Start Date/Time	10/01/2026 10:30 AM
Conditions	Partly cloudy	Wind	5.84 mph South	Lead Staff	Ed Kwietniewski
		Pressure	1015.3 hPa	Additional Staff	Zachary Hughes
Humidity	76%				
Hourly weather: Open-Meteo (open-meteo.com), CC BY 4.0. Converted to °F, mph and inches.					

Map



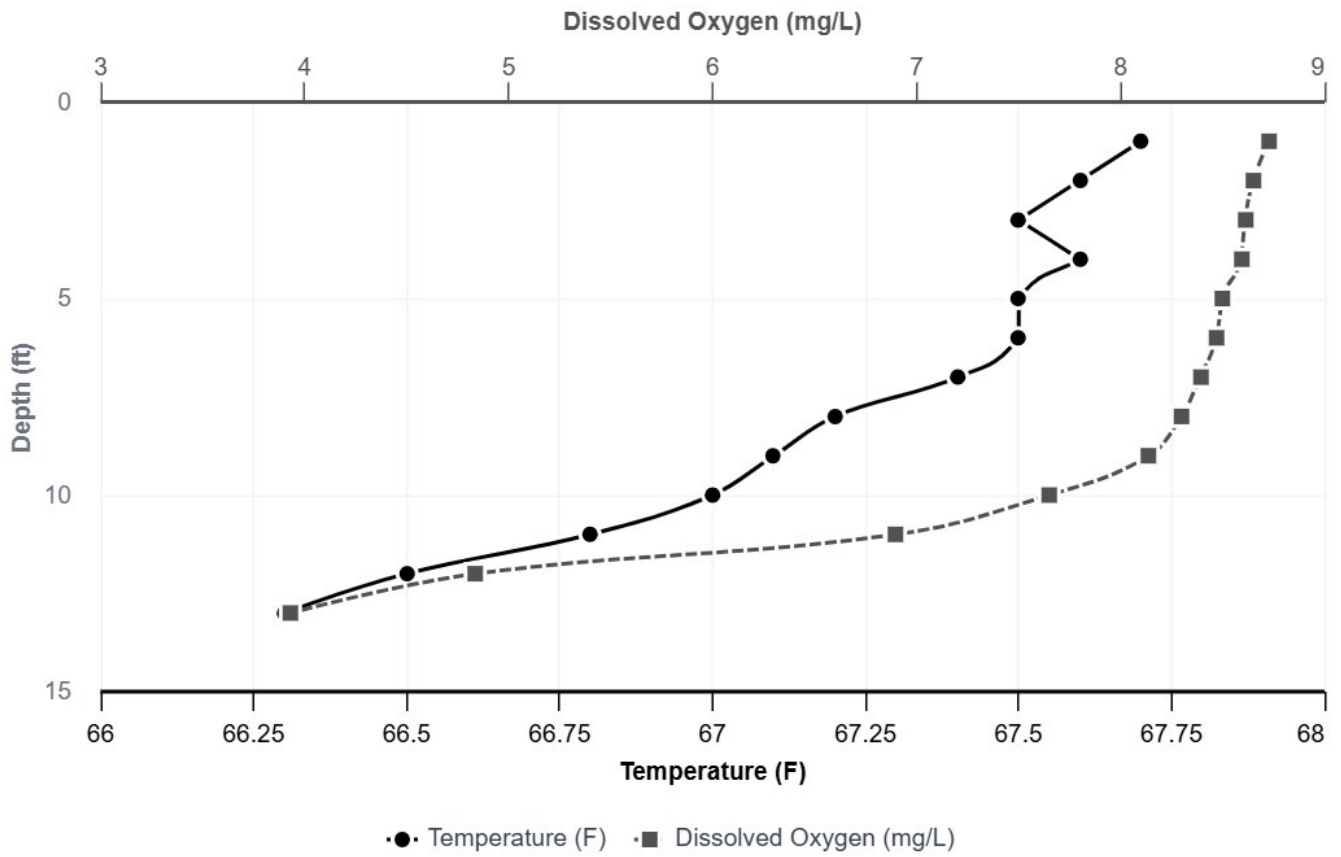
Map Graphics

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 | 10/01/2026 10:32 AM

Depth Profile - Aurora Lake - 10-1-2026



Profile Data 13 data points

Depth (ft.)	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	67.70	8.73
2.00	67.60	8.65
3.00	67.50	8.61
4.00	67.60	8.59
5.00	67.50	8.50
6.00	67.50	8.47
7.00	67.40	8.39
8.00	67.20	8.30
9.00	67.10	8.14
10.00	67.00	7.65
11.00	66.80	6.90
12.00	66.50	4.84
13.00	66.30	3.93

Observation

Species	Type	Severity	Location	Treated
Cyanobacteria	Other	Low	Aurora Lake 1, Site Wide	No

Photos



Boat Launch 10/1/2026



Center of lake 10/1/2026



Center of lake 10/1/2026



Northwest cove 10/1/2026

Photos



Regressing cow lilies 10/1/2026



General appearance of water 10/1/2026



North ed of lake 10/1/2026



Northeast cove - looking toward lake 10/1/2026

Photos



NORtheast cove - looking toward cove 10/1/2026



Construction near AL9 10/1/2026

Notes

AQUA DOC - Visit 12 - 10/1/2026

AQUA DOC conducted our 12th visitation to Aurora Lake on 10/1/2026. The lake continues to experience reduced algal density in visual observation as well as with collected data. No applications were necessary during today's visit and we continued our regular monitoring procedures. A depth profile, spatial chlorophyll a data, and wet chemistry samples were all collected during today's visitation.

Depth profile data showcased weak thermal stratification and DO loss near the bottom 3 feet of water depth. This has been observed multiple times at this point and is a normal characteristic of a polymictic system. No other concerning characteristics have been noted. Spatial chlorophyll a has further reduced since our previous visit with an average overall concentration of 1.69 ug/L across all sampled locations. Specific concentrations are as follows:

Cove: 1.8 ug/L

AL1: 1.45

AL2: 1.44

AL3: 1.23

AL4: 1.65

AL5: 1.65

AL6: 1.43

AL7: 1.8

AL8: 1.58

AL9: 3.35

AL10: 2.13

Wet chemistry collected today consisted of a water column total phosphorus grab sample at the deep point, microcystin sample at the deep point, and E.coli samples at the beaches.

We will return once more to collect the buoy and likely collect one more round of data at this time. I would not expect any significant cyanobacteria blooms for the remainder of 2026 although it is still possible should we have unusually warm Fall weather.

Thanks!