



Log Details - #11

Aurora Lake

1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	72°F			Start Date/Time	09/17/2026 10:52 AM
Conditions	Fog	Wind	3.47 mph West	Lead Staff	Ed Kwietniewski
Humidity	97%	Pressure	1021.8 hPa	Additional Staff	Ed Kwietniewski
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	--

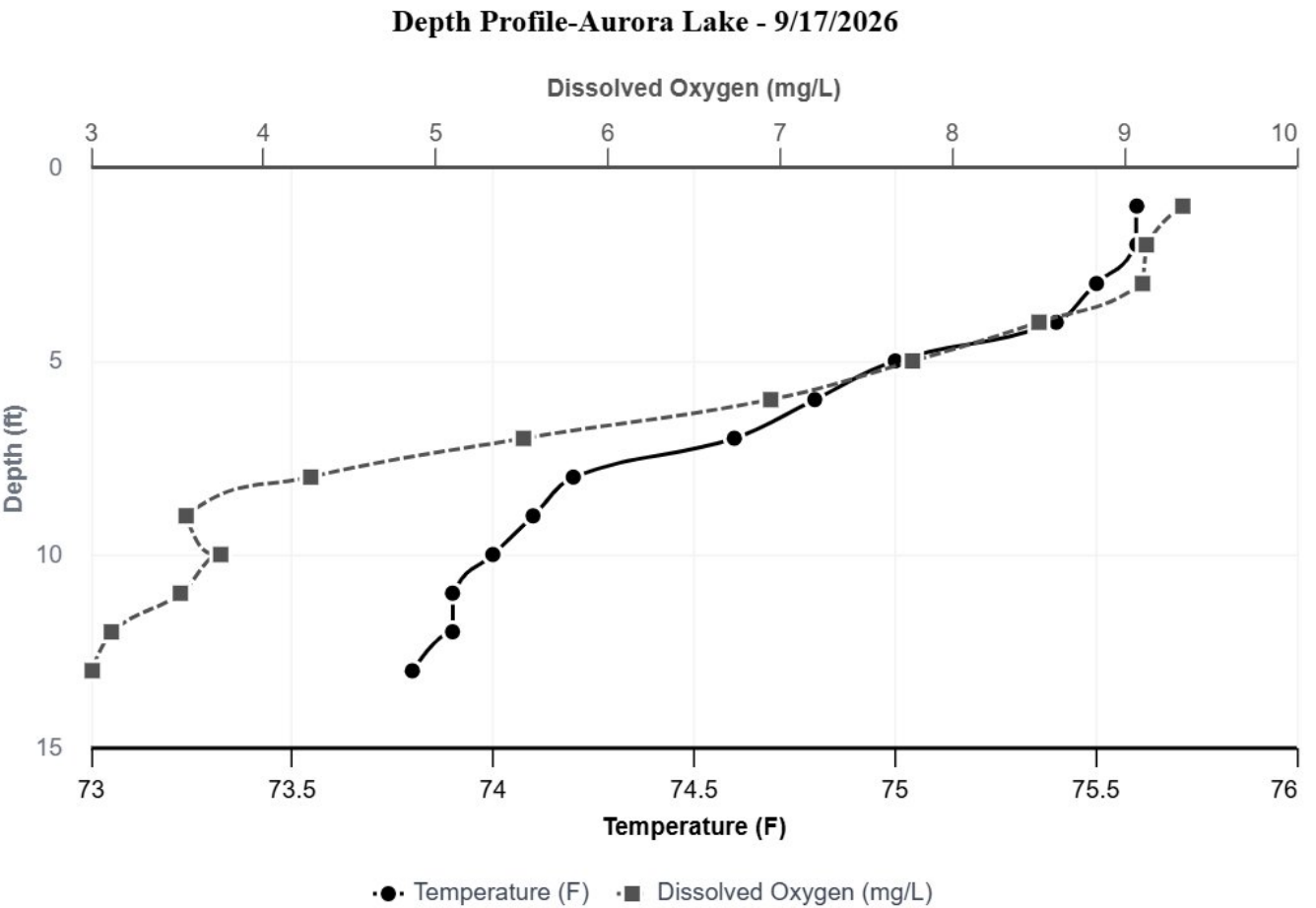
Type	Coordinates	Label	Area	Perimeter
marker	41.339767, -81.388743	AL 1	N/A	--
marker	41.323558, -81.385232	AL 10	N/A	--

Observation

Species	Type	Severity	Location	Treated
Cyanobacteria	Other	Low	Site Wide	No

Depth Profile

Aurora Lake 1



Profile Data 13 data points

Depth	Temperature (F)	Dissolved Oxygen (mg/L)
1.00	75.60	9.34
2.00	75.60	9.13
3.00	75.50	9.10
4.00	75.40	8.50
5.00	75.00	7.77
6.00	74.80	6.94
7.00	74.60	5.51
8.00	74.20	4.27
9.00	74.10	3.55
10.00	74.00	3.75
11.00	73.90	3.52
12.00	73.90	3.12
13.00	73.80	3.00

Photos



General Appearance of water with duckweed
9/17/2026



South end of lake (near AL 10) 9/17/2026



Northwest cove 9/17/2026



Center of lake 9/17/2026

Photos



North end of lake near AL1 9/17/2026



Channel to main lake 9/17/2026



Northeast inlet 9/17/2026



North beach 9/17/2026

Photos



South end of lake near AL 10 9/17/2026

Notes

AQUA DOC - Visit 11 - 9/17/2026

AQUA DOC conducted our 11th visitation to Aurora Lake on 9/17/2026 to assess the lake and continue our monitoring procedures. Weather conditions were mostly cloudy with cooler air temperatures than seen during previous visitations as we progress out of the summer season. Overall lake conditions visually appeared to showcase less algal biomass than our previous few visits which has been echoed by buoy data as well as in-lake monitoring values. As cooler temperatures continue to prevail, the likelihood of extensive algae bloom will continue to reduce although end-of-season pop-ups can occasionally occur. During our visit today, we continued our monitoring procedures of collecting wet chemistry data, building a depth profile at the deepest point of the lake, and sampling chlorophyll at our 10 sample locations across the lake. With reduced algae density, no chemical applications were conducted during our visit.

Collected in-situ data echoed findings from our previous visitation showcasing weakly stratified temperature patterns with declining dissolved oxygen (DO) as one progresses toward the bottom of the lake (profile above). This is a similar pattern to what we have seen in our previous two visitations. Dying algal mass could reduce DO levels as decomposition increases respiration. As cooler temperatures continue to progress, higher quantities of DO will be able to be held by the lake's water volume. We should see increases in DO just before the winter season. All other parameters were considered normal for the lake. Spatial chlorophyll content was lower than in previous visits with an average across all sampled locations of 2.71 ug/L. Chlorophyll was slightly elevated toward the northern end of the lake but not significantly so. Exact measurements are as follows:

AL1: 3.4 ug/L
AL2: 3.7
AL3: 2.46
AL4: 2.93
AL5: 2.36
AL6: 2.65
AL7: 2.68
AL8: 2.75
AL9: 2.52
AL10: 2.02
Cove: 2.37

All previously collected wet chemistry data for human safety concerns have no showcased any values above or near threshold concentrations required to flag the lake. This year have been extremely favorable for recreational use of the lake.

We will return in approximately 2 weeks from this visit date.

Thanks!