



Log Details - #8

Aurora Lake

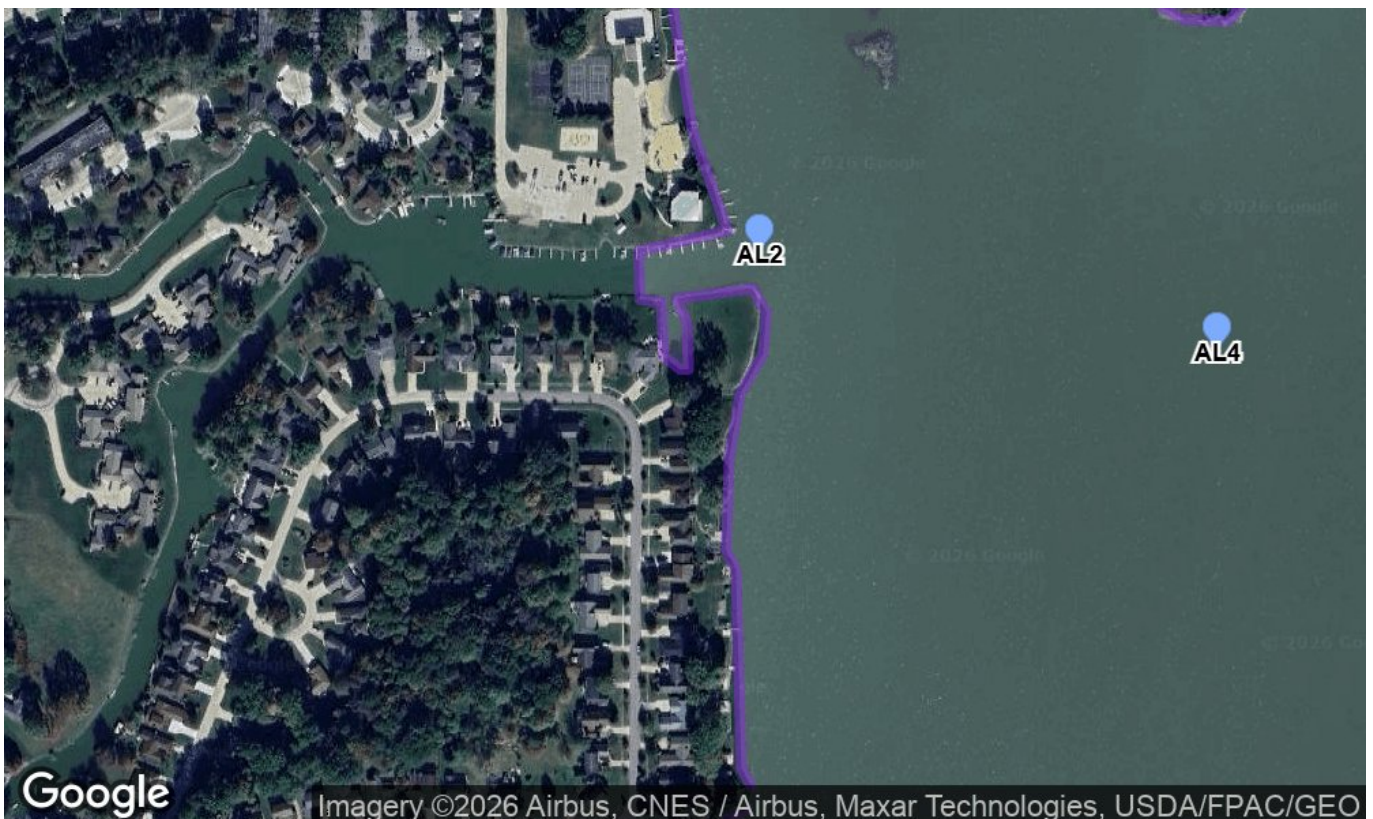
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	71°F			Start Date/Time	10/02/2025 09:13 AM
Conditions	Clouds	Wind	3.24 mph South-West	Lead Staff	Ed Kwietniewski
Humidity	28%	Pressure	1026 hPa	Additional Staff	Ed Kwietniewski
Sunrise/Sunset	7:28 AM / 6:57 PM				

Map



Map Graphics

Type	Coordinates	Label	Area	Perimeter
marker	41.323336, -81.385292	AL10	N/A	--
marker	41.326914, -81.389112	AL7	N/A	--
marker	41.326495, -81.380958	AL9	N/A	--
marker	41.329008, -81.382031	AL8	N/A	--
marker	41.330650, -81.387360	AL6	N/A	--
marker	41.333035, -81.380837	AL5	N/A	--
marker	41.337030, -81.383584	AL3	N/A	--
marker	41.334388, -81.385987	AL4	N/A	--
marker	41.339673, -81.388820	AL1	N/A	--
marker	41.334968, -81.389592	AL2	N/A	--

Observation

Species	Type	Severity	Location	Treated
Planktonic Algae	Other	Low	Site Wide	No

Photos



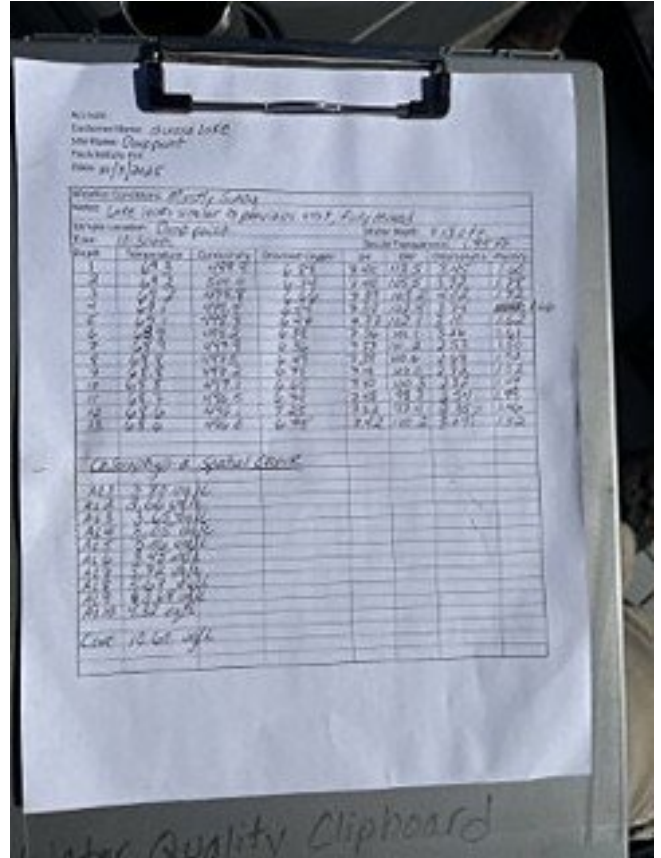
General watercolor at deep point (AL6).



Launch



Docks removed at AL 5



Data sheet from today's visitation.

Notes

Today was AQUA DOC's 8th visitation to Aurora Lake for assessment.

Overall, the lake is maintaining a consistent visual image with continued algal biomass reduction compared to what we experienced earlier in the season. Compared to the previous visitation, algal biomass did rise with an average chlorophyll-a concentration being 4.20 ug/L across all 10 spatial sampling locations compared to an average of 2.18 ug/L on 9/18/2025. Despite the noted doubling of average chlorophyll-a, overall concentrations are still well below our threshold of approximately 7.0 ug/L. Chlorophyll-a will be continued to be monitored as we finish out the season at the end of this month. Although the expectation would be for algal biomass to reduce with cooling temperatures, the high specific heat of water could allow for bloom-type conditions to exist into November in some waterbodies.

Depth profile data showcased the lake as completely mixed from surface to bottom with temperature, DO, pH, and conductivity all remaining relatively consistent from surface to bottom. Unless we experience an aggressive heat wave, I would expect the physical characterization of the lake to remain mixed until the winter.

Spatial chlorophyll-a concentrations are noted below:

AL1: 3.80 ug/L
AL2: 3.66 ug/L
AL3: 3.65 ug/L
AL4: 3.05 ug/L
AL5: 5.06 ug/L
AL6: 3.45 ug/L
AL7: 5.72 ug/L
AL8: 5.67 ug/L
AL9: 3.68 ug/L
AL10: 4.32 ug/L

We will return in 2 weeks to conduct our next assessment.

Thanks!