



Log Details - #6

Aurora Lake

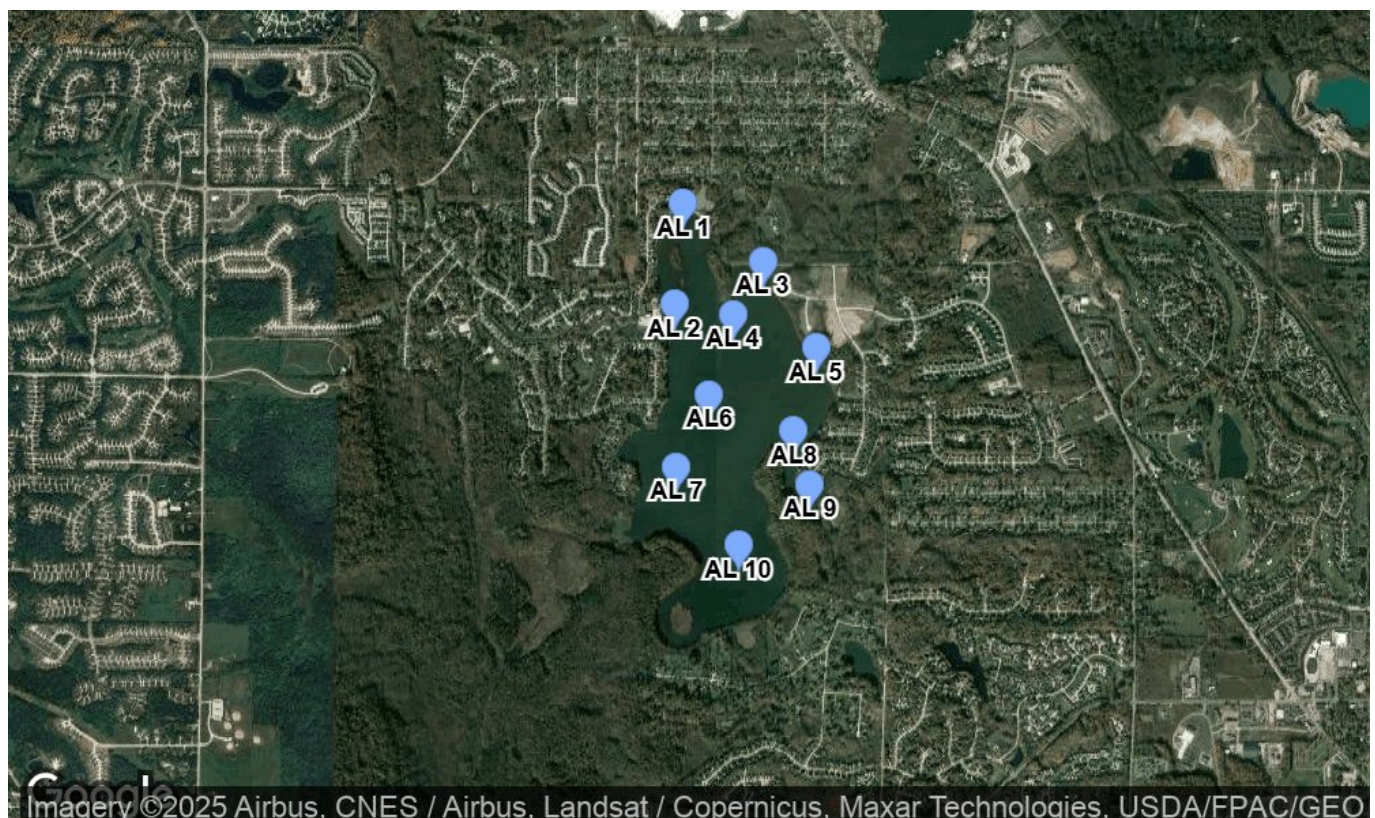
1206 Surfside Cir, Aurora, OH 44202,
USA

General Info

General Info

Weather Data				General Information	
Temperature	56°F			Start Date/Time	09/04/2025 10:00 AM
Conditions	Rain	Wind	1.8 mph North-East	Lead Staff	Ed Kwietniewski
Humidity	98%	Pressure	1009 hPa	Additional Staff	Ed Kwietniewski
Sunrise/Sunset	6:56 AM / 7:52 PM				

Map



Map Graphics

Type	Coordinates	Label	Area	Perimeter
marker	41.323577, -81.385338	AL 10	N/A	--
marker	41.327283, -81.389243	AL 7	N/A	--
marker	41.326445, -81.380831	AL 9	N/A	--
marker	41.328991, -81.381861	AL8	N/A	--
marker	41.330699, -81.387183	AL6	N/A	--
marker	41.332923, -81.380445	AL 5	N/A	--
marker	41.337015, -81.383793	AL 3	N/A	--
marker	41.334502, -81.385681	AL 4	N/A	--
marker	41.334977, -81.389361	AL 2	N/A	--
marker	41.339772, -81.388827	AL 1	N/A	--

Observation

Species	Type	Severity	Location	Treated
Planktonic Algae	Other	Very slight	Site Wide	No

Photos



Near Launch



Near Launch



Cove across from AL 7



Cove across from AL 7



Near AL 9



General water condition in middle of lake.



New buoy location near dam.



Data sheet from visitation.

Notes

Today I conducted my 6th visitation of the 2025 season. I am happy to see the lake looking to be in as good of a condition as it is in!

Today's observations echoed those of my previous visitation. No significant algal biomass was noted in the lake today which was highlighted by visual observations of Aurora Lake and supported by low overall chlorophyll-a concentrations collected spatially across the lake (Similar to last visits). This was additionally foreshadowed by buoy readings which has been registering below detection Chlorophyll-a data for a number of days. A closer look at the water does showcase some turbidity that is algal based, but this is to be expected in a macrophyte poor system. This amount of algae growth was not significant enough to warrant applications on the lake. Specific chlorophyll-a readings are as follows:

AL 1: 2.29 ug/L
 AL 2: 3.59 ug/L
 AL 3: 2.98 ug/L
 AL 4: 2.34 ug/L
 AL 5: 2.07 ug/L
 AL 6: 2.73 ug/L
 AL 7: 2.76 ug/L
 AL 8: 2.19 ug/L

AL 9: 6.65 ug/L (high suspended solids)

AL 10: 2.27 ug/L

Depth profile information does showcase that the lake is mostly mixed with hypoxic conditions (low oxygen) near the last few feet of depth. We have seen this condition before at Aurora Lake and the hypoxia will likely subside during the next mixing event.

After a conversation with Joe Kovach, the water quality buoy was moved near the dam to see if differing water quality results are found at the other side of the lake. During today's visit, I cleaned the probe and moved it just to the right of the dam within the no-wake zone. I had to perform a test upload to make sure everything was working correctly prior to leaving the lake today. This may create a "lag" in data visualization so please give it a day or two to catch up.

A microcystin sample and total phosphorus sample were collected during today's visitation at the deep sampling point (AL 6). Previous sampling has suggested that Aurora Lake has safe concentrations of fecal bacteria and algal toxins. Although these human health related tests give us insight into the potential for illness, always make sure to shower after a day in the water and restrict contact recreation if you have any fresh, open wounds.

Thanks!