



Log Details - #1

Aurora Lake

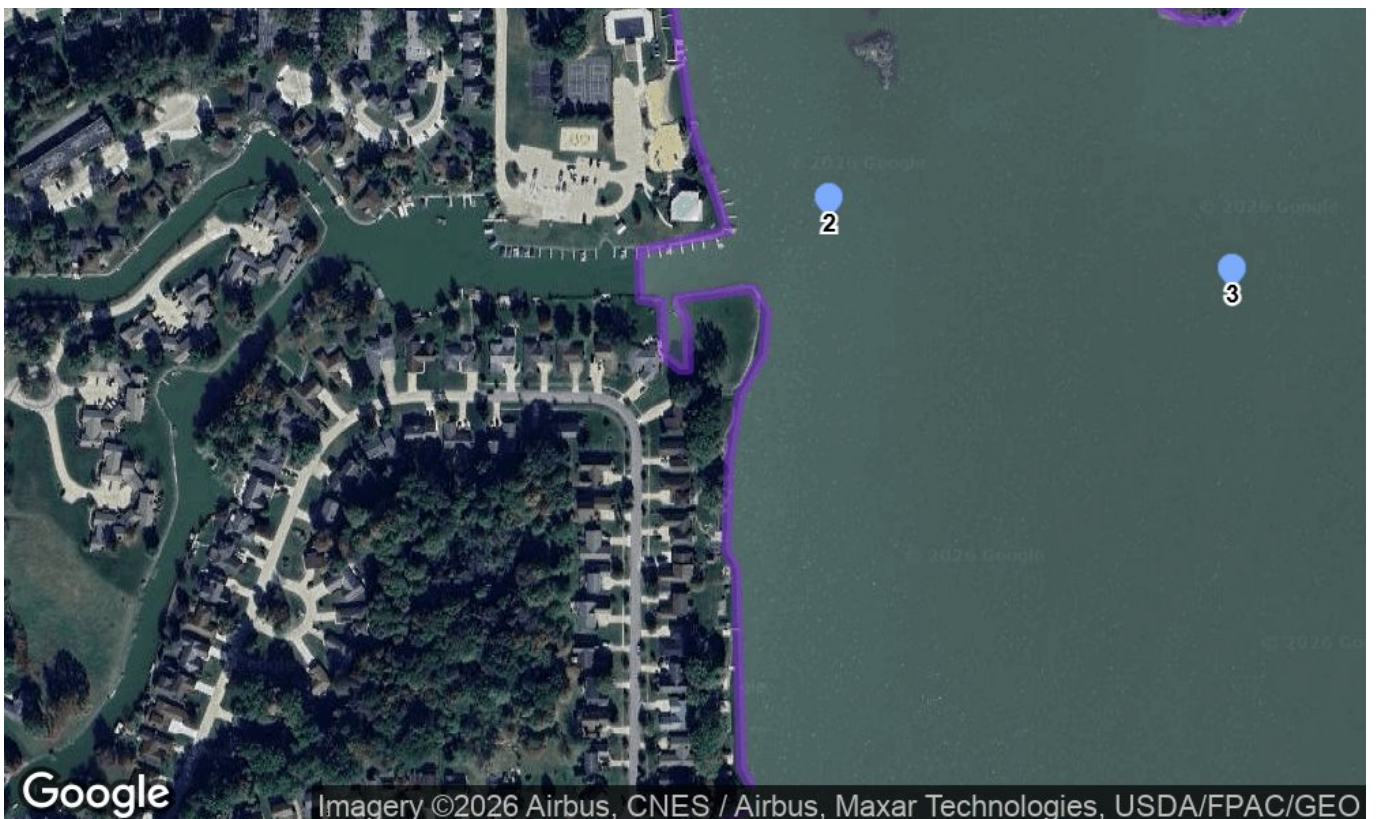
1206 Surfside Cir, Aurora, OH 44202,
USA

Site Visit Report

General Info

Weather Data				General Information	
Temperature	48°F			Start Date/Time	04/30/2026 10:00 AM
Conditions	Overcast clouds	Wind	8.05 mph North-East	Lead Staff	Ed Kwietniewski
Humidity	69%	Pressure	1014 hPa	Additional Staff	
Sunrise/Sunset	6:24 AM / 8:21 PM				

Map



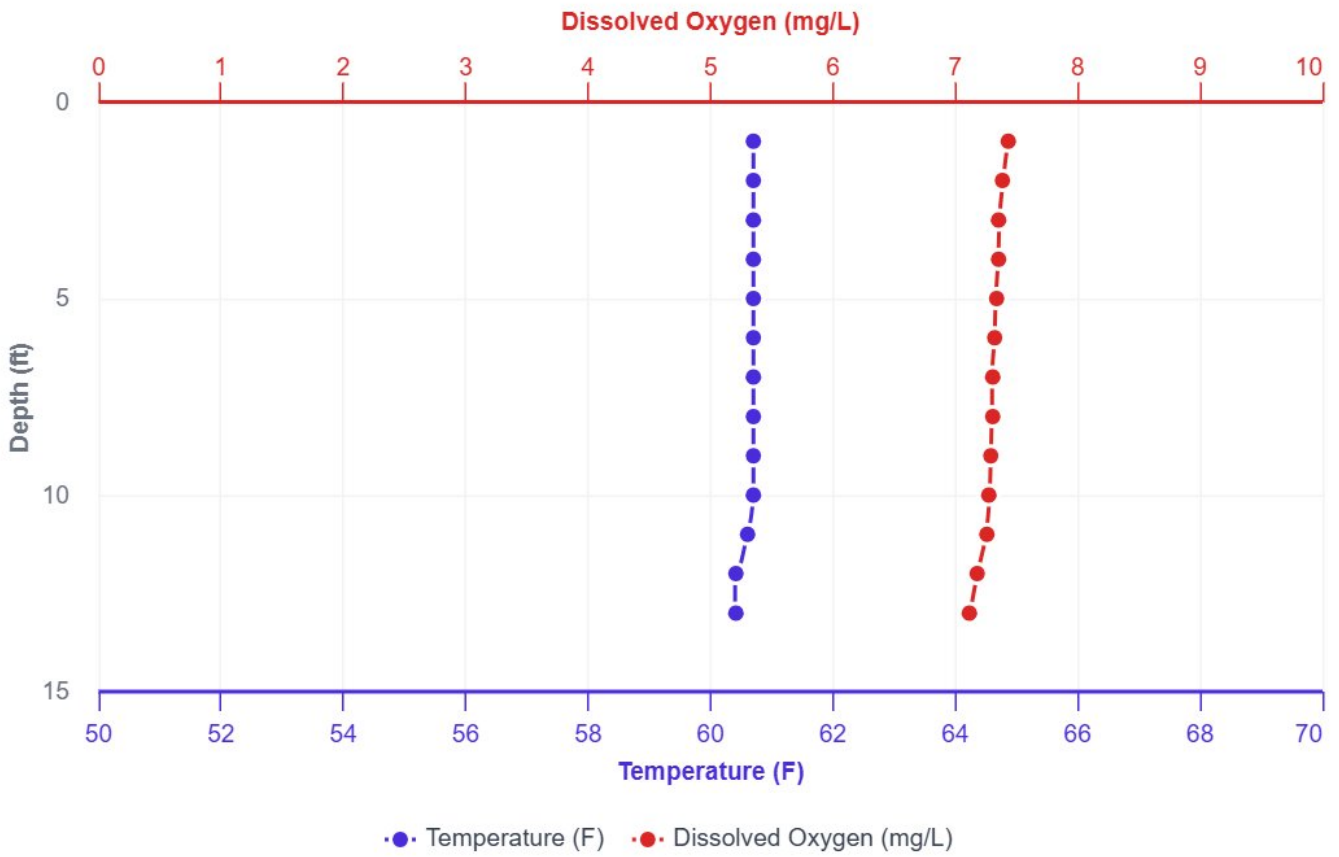
Map Graphics

Type	Coordinates	Label	Area	Perimeter
marker	41.339962, -81.388782	1	N/A	--
marker	41.335160, -81.389040	2	N/A	--
marker	41.334742, -81.385864	3	N/A	--
marker	41.337416, -81.383203	4	N/A	--
marker	41.333066, -81.380800	5	N/A	--
marker	41.331390, -81.387237	6	N/A	--
marker	41.329038, -81.382044	7	N/A	--
marker	41.326427, -81.380800	8	N/A	--
marker	41.327290, -81.388702	9	N/A	--
marker	41.324164, -81.385140	10	N/A	--

Depth Profile

Aurora Lake 1 | 04/30/2026 10:30 AM

Dissolved Oxygen and Temperature



Profile Data 13 data points

Depth	Dissolved Oxygen (mg/L)	Temperature (F)
1.00	7.43	60.70
2.00	7.39	60.70
3.00	7.36	60.70
4.00	7.35	60.70
5.00	7.33	60.70
6.00	7.32	60.70
7.00	7.30	60.70
8.00	7.30	60.70
9.00	7.29	60.70
10.00	7.28	60.70
11.00	7.25	60.60
12.00	7.18	60.40
13.00	7.12	60.40

Photos



Checking depth at the deep sampling point (Z_{max} =13.5 ft)



Microcystin sample showcasing very clear water.



General water color during site visit.



Spatterdock (Nuphar) beginning to emerge near west cove.



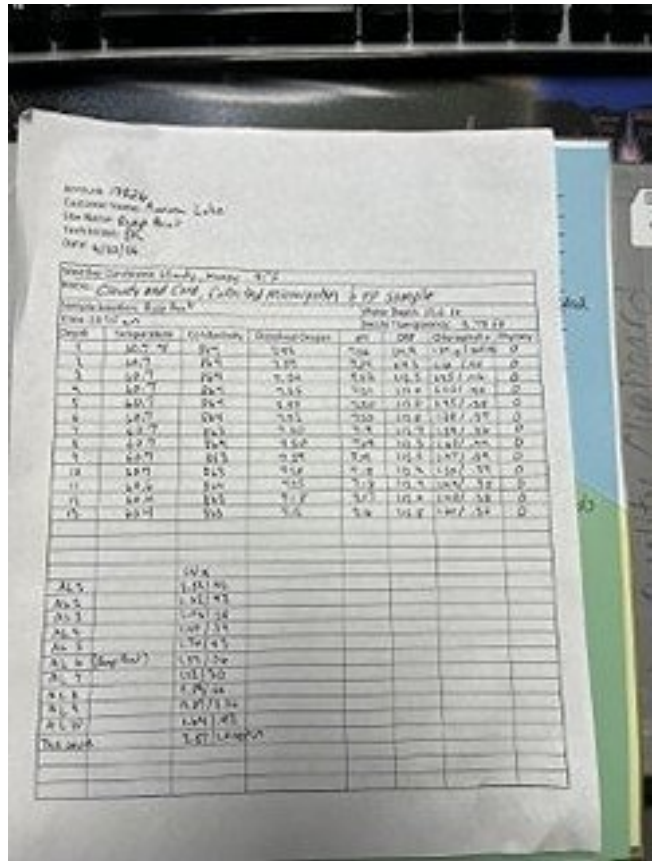
General image of lake during site visit.



West Cove



Tree removal near southern Hawthorn channel



Data sheet from visit

Notes

4-30-2026 - EJK

Today we made our first official visitation to assess Aurora Lake as we start off the 2026 season.

The buoy was deployed approximately 2 weeks ago (4/16) and we have been streaming in data since with no telemetric issues noted. We have made updates to the LakeTech software program to allow for document and photo storage along with the streamed data. Documents and photos from previous years have been added to tabs at the top of the website. Joe noted an issue with accessing documents which was brought to the attention of LakeTech for remediation.

Today's site visit continued the work we were conducting last season with spatial chlorophyll data being collected along with a depth profile at the deepest point of the lake. Depth profile data showcased near perfect mixing with all collected parameters being consistent from the surface to the bottom of the lake. Dissolved Oxygen and Temperature should be presented above. This mimics what we experienced during the 2025 season. Streaming parameters and depth profile collected data are currently showing normal threshold values without any noted concerns. Water clarity was one of the best values we have collected since we started approximately 2 years ago

(3.75 ft). Chlorophyll-a spatial data was notably (and expectedly) low (average = 3.07 ug/L):

AL1: 3.53 ug/L

AL2: 1.52

AL3: 1.06

AL4: 1.47

AL5: 1.70

AL6: 1.39

AL7: 1.12

AL8: 2.59

AL9: 13.87*

AL10: 1.64

Cove: 3.87

*May be due to shallow nature of AOI. No algae noted at site.

Tree removal at the southern Hawthorn channel was noted during today's visit. Although development is a common and continuous process near lakes, it should be noted that removal of rooted vegetation near lake shores can increase eroded material through the season. This can be monitored overtime to see if sediment increases from this locality. Construction best management practices would be suggested to reduce construction impact on the lake. A total phosphorus and Microcystin sample were collected today and will be reported once the analyzed data has been received.

No nuisance growth was noted on the lake today and no applications were conducted.

Thanks!