



# Log Details - #2

Aurora Lake

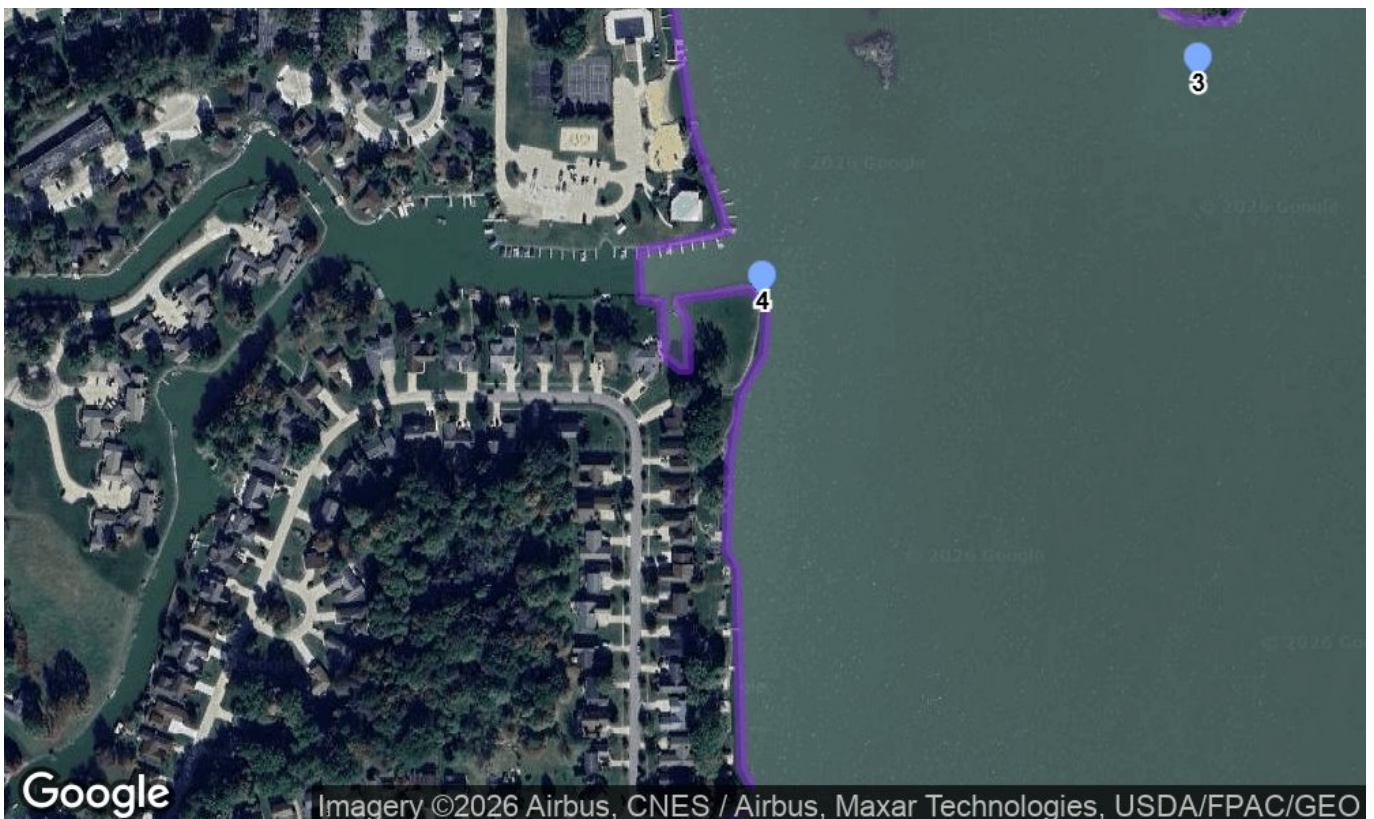
1206 Surfside Cir, Aurora, OH 44202,  
USA

## General Info

### General Info

Weather Data				General Information	
Temperature	57°F			Start Date/Time	05/14/2026 03:24 PM
Conditions	Scattered clouds	Wind	16.11 mph North-East	Lead Staff	Ed Kwietniewski
Humidity	50%	Pressure	1014 hPa	Additional Staff	Ed Kwietniewski
Sunrise/Sunset	6:07 AM / 8:36 PM				

### Map



## Map Graphics

Type	Coordinates	Label	Area	Perimeter
marker	41.339660, -81.388794	1	N/A	--
marker	41.337340, -81.383301	2	N/A	--
marker	41.335987, -81.386134	3	N/A	--
marker	41.334698, -81.389567	4	N/A	--
marker	41.332829, -81.380297	5	N/A	--
marker	41.331153, -81.386992	6	N/A	--
marker	41.327673, -81.389138	7	N/A	--
marker	41.329091, -81.381928	8	N/A	--
marker	41.326577, -81.381070	9	N/A	--
marker	41.323483, -81.385704	10	N/A	--

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## Photos



Windy conditions of lake today. 5-14-2026



Northwest cove 5-14-2026



Main body of lake 5-14-2026



Very light cyanobacteria growth starting 5-14-2026



General color of water 5-14-2026



Boat Launch 5-14-2026

Account:  
 Customer Name: Aurora Lake  
 Site Name: Dg point  
 Tech Initials: CA  
 Date: 5/14/26

Weather Conditions: Cloudy and light rain 46°F  
 Notes: Phosphytes and TP collected  
 Sample Location: Deep point  
 Water Depth: 13.5'

Depth	Temperature	Conductivity	Dissolved Oxygen	Depth Temperature			pH	ORP	Transmittance	Turbidity
				°C	°F	Sec				
1	60.3	656	9.28	7.67	75.8	3.45	1.07	20	0	
2	60.3	657	9.30	7.66	75.7	3.45	1.33	11	0.1	
3	60.3	656	9.30	7.57	71.7	3.31	1.36	87	0.1	
4	60.3	657	9.30	7.55	71.9	3.31	1.25	64	0.1	
5	60.3	657	9.30	7.55	71.8	3.31	1.25	62	0.1	
6	60.3	656	9.30	7.53	71.8	3.29	1.25	64	0.1	
7	60.3	657	9.29	7.52	71.8	3.29	1.25	61	0.1	
8	60.3	657	9.29	7.52	71.8	3.29	1.25	66	0.1	
9	60.3	656	9.29	7.51	71.7	3.29	1.26	61	0.1	
10	60.3	656	9.29	7.50	71.6	3.29	1.26	63	0.1	
11	60.3	656	9.29	7.50	71.6	3.29	1.26	63	0.1	
12	60.3	655	9.22	7.47	73.4	3.24	1.25	62	0.1	
13	60.4	653	9.00	7.47	74.1	3.23	1.20	0	0	

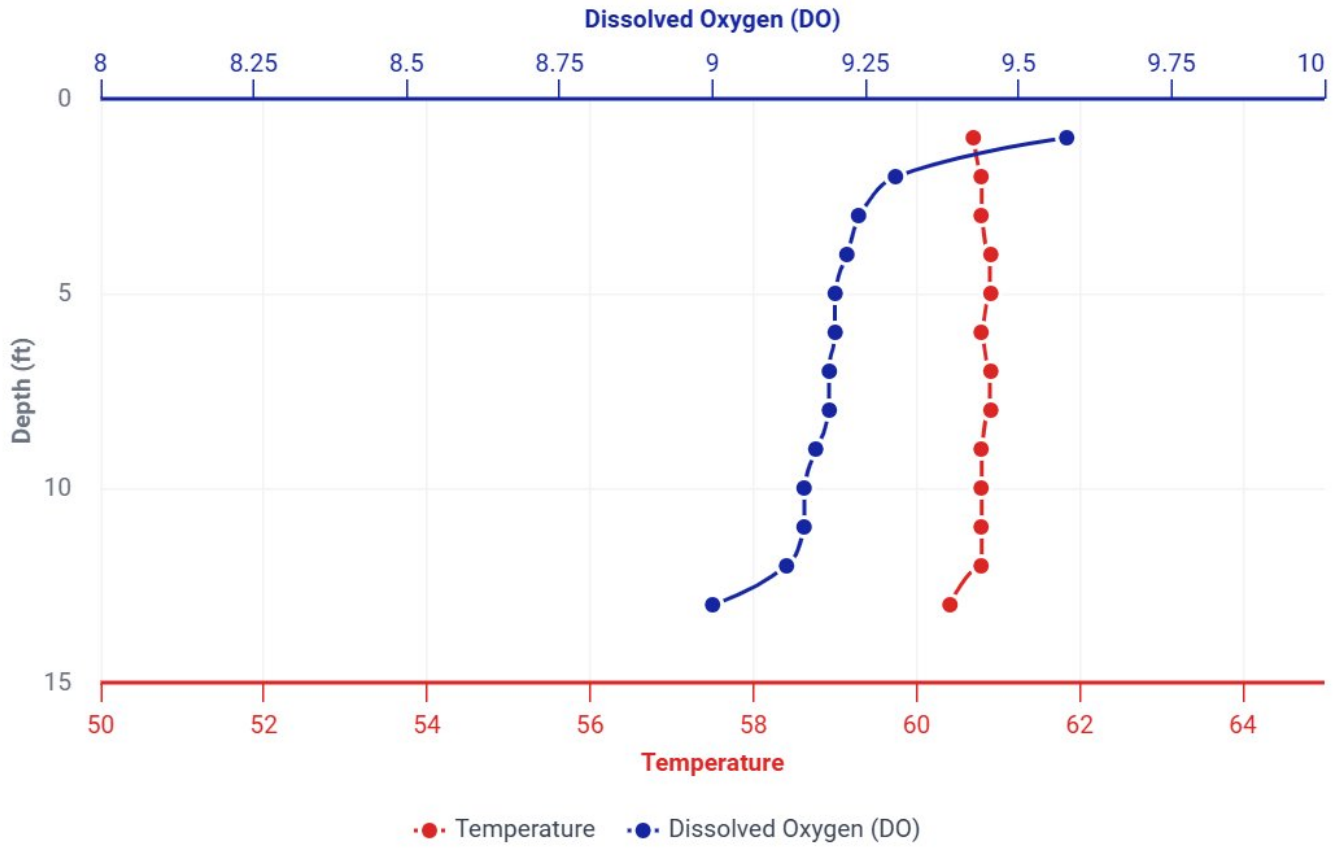
Chlorophyll a (spatial)		
AL1	3.60	0.91
AL2	3.44	0.86
AL3	2.79	0.70
AL4	4.20	1.06
AL5	4.42	1.11
AL6	4.45	1.09
AL7	2.91	0.72
AL8	2.50	0.63
AL9	2.70	0.68
AL10	6.85	1.62
CYC	2.48	0.62

Raw data Sheet 5-14-2026

# Depth Profile

Aurora Lake 1

## Depth Profile



### Profile Data 13 data points

Depth	Temperature	Dissolved Oxygen (DO)
1.00	60.70	9.58
2.00	60.80	9.30
3.00	60.80	9.24
4.00	60.90	9.22
5.00	60.90	9.20
6.00	60.80	9.20
7.00	60.90	9.19
8.00	60.90	9.19
9.00	60.80	9.17
10.00	60.80	9.15
11.00	60.80	9.15
12.00	60.80	9.12
13.00	60.40	9.00

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# Observation

Species	Type	Severity	Location	Treated
Cyanobacteria	Other	Very slight	Aurora Lake	No

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## Notes

5-14-2026

Today we conducted a visitation to Aurora Lake to collect regular water quality sampling data including a depth profile at the deepest point of the lake, spatial chlorophyll a data, and wet chemistry consisting of Microcystin and water column phosphorus sampling. It was a relatively cold and windy day on the lake (winds from the north). Overall, the lake did not appear to have a significant amount of algal growth yet but, small quantities of cyanobacteria were documented near the boat launch (see images above). Last year, cyanobacteria growth started to become an issue around the beginning of June. Due to low algal growth, no algaecide applications were deemed necessary during today's visitation.

Depth profile data at the deepest point showcase Aurora Lake as completely mixed as temperature and DO were consistent from surface to bottom (images and graph above). All other parameters followed this same pattern (image above for raw data). Chlorophyll concentrations were notably higher than last visit (4/30) but not high enough to denote a concerning bloom. Spatial chlorophyll showcased algal movement with the high winds noted today with the southern-most zones having the highest concentration of chlorophyll. Spatial data is described below (Mean = 4.46 ug/L):

AL1: 3.6 ug/L  
AL2: 3.44 ug/L  
AL3: 4.98 ug/L  
AL4: 4.20 ug/L  
AL5: 4.42 ug/L  
AL6: 4.45 ug/L  
AL7: 2.91 ug/L  
AL8: 2.5 ug/L  
AL 9: 7.40 ug/L  
AL10: 6.25 ug/L  
Cove: 4.96 ug/L

Total Phosphorus and Microcystin samples were collected today at the deep point of the lake (AL6). Results are updated on the LakeTech portal when they arrive.

Thanks! - EJK