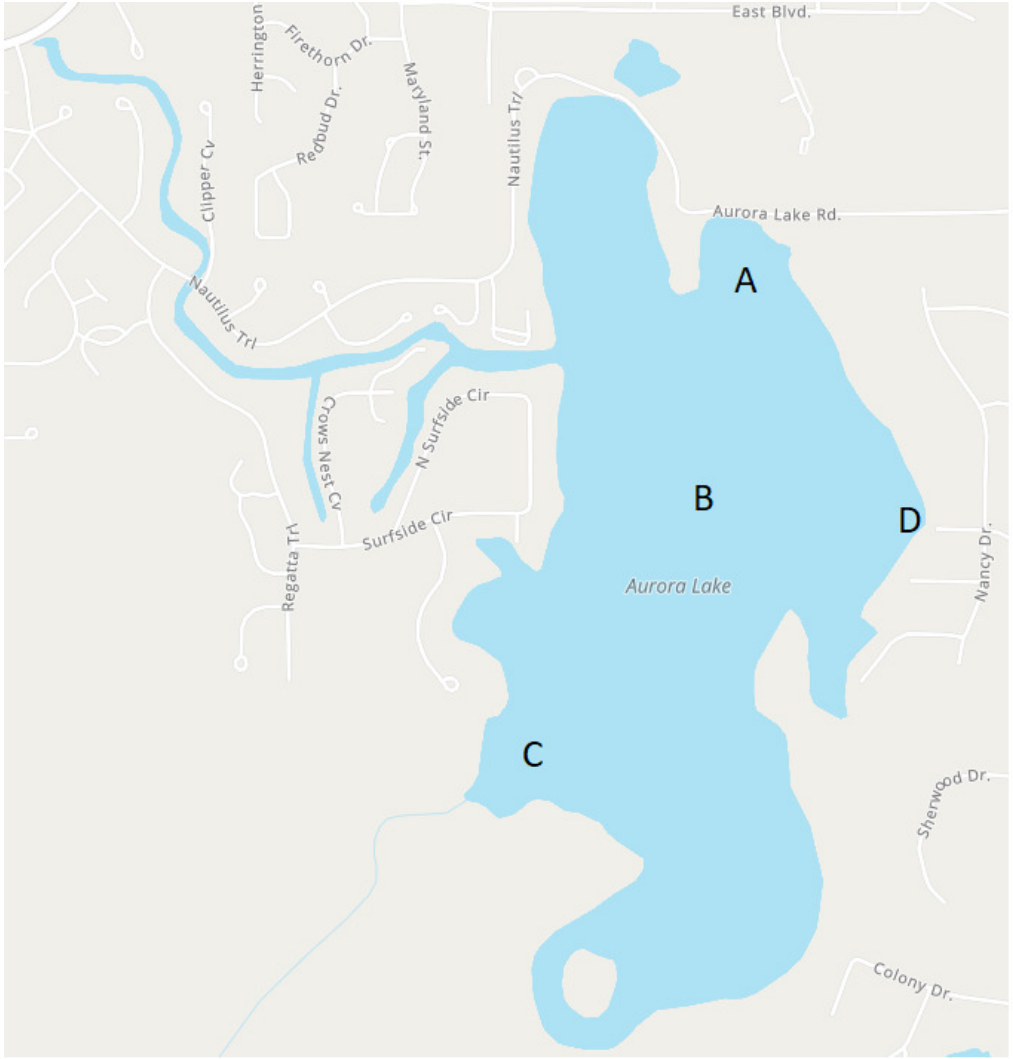

Date Sampled	Label	Microcystin (ug/L)	Site
7/19/2023	A	0.199	North Slalom Course
	B	0.267	Mid Lake
	C	0.219	Dam
	D	0.208	Shoreline Hawthorn Docks

* Concentration below limit of quantification
Method: ELISA Microcystin SAES
Method detection limit 0.05 ug/L

Date Sampled	Label	Anatoxin (ug/L)	Site
7/19/2023	B	<0.15*	Mid Lake

* Concentration below limit of quantification
Method: ELISA Anatoxin
Method detection limit 0.15 ug/L

Date Sampled	Label	Saxitoxin (ug/L)	Site
7/19/2023	B	0.099	Mid Lake

* Concentration below limit of quantification
Method: ELISA Saxitoxin
Method detection limit 0.02 ug/L

Date Sampled	Label	Cylindrospermopsin (ug/L)	Site
7/19/2023	B	<0.05*	Mid Lake

* Concentration below limit of quantification
Method: ELISA Cylindrospermopsin
Method detection limit 0.05 ug/L

2.3 Cyanotoxin Thresholds for Recreational Waters

Numerous risk assessment frameworks, exposure assumptions, and toxicity values from state, national, and primary literature sources were considered prior to developing the cyanotoxin thresholds. The following thresholds were established based on the best scientific information, guidance, and public policy available at the time, and are based on incidental ingestion only (Table 2).

While protective of human exposures based on current information, the thresholds given here may or may not be protective of animals such as dogs or livestock. The United States Environmental Protection Agency (U.S. EPA) issued final recommended recreational swimming advisories for two cyanotoxins, microcystins and cylindrospermopsin in June 2019 which were subsequently adopted by the State of Ohio in this document.

For a toxicity review of various cyanotoxins, exposure assumptions and threshold calculations, see Appendix D.

Table 2 — Numeric Thresholds for Cyanotoxins in Recreational Water.

Threshold (µg/L)	Microcystins*	Anatoxin-a	Cylindrospermopsin	Saxitoxins*
Recreational Public Health Advisory	8	8	15	0.8

*Microcystins and saxitoxin thresholds are intended to be applied to total concentrations of all reported congeners, variants, or analogs of those cyanotoxins.