

IDEM 2025 SAMPLING RESULTS
Cyanobacteria Cell Counts, Identification, and Cyanotoxin Results

Date	Location	Cells/ml	Dominant Species 1	Dominant Species 2	Dominant Species 3	¹ Microcystin ug/l	² Anatoxin-a ug/l	³ Saxitoxin ug/l	⁴ Cylindrospermopsin ug/l
5/12	Cagles Mill Lake - Lieber SRA Beach	31,000	Aphanothece sp.	Picoplankton	Chroococcus sp.	ND	ND	ND	NR
5/12	Cecil M. Harden Lake - Raccoon Lake SRA Beach	100,000	Pseudanabaena sp.	Aphanizomenon sp.	Raphidiopsis sp.	ND	ND	ND	NR
5/12	Monroe Lake - Fairfax SRA Beach	3,300	Picoplankton	Romeria sp.	Aphanizomenon sp.	ND	ND	ND	NR
5/12	Monroe Lake – Paynetown SRA Beach	1,000	Picoplankton			ND	ND	ND	NR
5/12	Starve Hollow SRA – Starve Hollow Lake Beach	3,700	Merismopedia sp.	Picoplankton	Chroococcus sp.	ND	ND	ND	NR
5/13	Whitewater Memorial SP – Whitewater Lake Beach	1,100,000	Pseudanabaena sp.	Planktothrix isoethrix	Aphanizomenon sp.	ND	ND	ND	NR
5/13	Brookville Lake - Mounds SRA Beach	7,000	Picoplankton			ND	ND	ND	NR
5/13	Brookville Lake - Quakertown SRA Beach	290,000	Pseudanabaena sp.	Planktothrix isoethrix	Aphanizomenon sp.	ND	ND	ND	NR
5/13	Deam Lake SRA – Deam Lake Beach	4,400	Aphanothece sp.	Picoplankton		ND	ND	ND	NR
5/13	Hardy Lake - Hardy Lake SRA Beach	31,000	Aphanizomenon sp.	Picoplankton	Pseudanabaena sp.	ND	ND	ND	NR

¹Microcystin detection and reporting limit is 0.30 ug/l.

²Anatoxin-a detection and reporting limit is 0.40 ug/l.

³Saxitoxin reporting limit is 0.05 ug/l.

⁴Cylindrospermopsin detection and reporting limit is 0.10 ug/l. Will be run on samples that contain the toxin producing species, generally starting in July.

NR-Not run

ND-Not detected