

**IDEM 2026 SAMPLING RESULTS**  
**Cyanobacteria Cell Counts, Identification, and Cyanotoxin Results**

Date	Location	Cells/ml	Dominant Species 1	Dominant Species 2	Dominant Species 3	<sup>1</sup> Microcystin ug/l	<sup>2</sup> Anatoxin-a ug/l	<sup>3</sup> Saxitoxin ug/l	<sup>4</sup> Cylindrospermopsin ug/l
5/11	Cagles Mill Lake – Lieber SRA Beach	29,000	Aphanothece sp.	Romeria sp.	Picoplankton	ND	ND	ND	NR
5/11	Cecil M. Harden Lake – Raccoon Lake SRA Beach	78,000	Pseudanabaena sp.	Aphanothece sp.	Merismopedia sp.	ND	ND	ND	NR
5/11	Monroe Lake – Fairfax SRA Beach	63,000	Aphanocapsa sp.	Aphanothece sp.	Merismopedia sp.	ND	ND	ND	NR
5/11	Monroe Lake – Paynetown SRA Beach	27,000	Aphanothece sp.	Aphanocapsa sp.	Chroococcus sp.	ND	ND	ND	NR
5/11	Starve Hollow SRA – Starve Hollow Lake Beach	21,000	Aphanothece sp.	Picoplankton	Merismopedia sp.	ND	ND	ND	NR
5/12	Brookville Lake – Mounds SRA Beach	20,000	Aphanizomenon flos-aquae	Picoplankton	Chroococcus sp.	ND	ND	ND	NR
5/12	Deam Lake SRA – Deam Lake Beach	4,300	Chroococcus sp.	Picoplankton		ND	ND	ND	NR
5/12	Ferdinand State Forest – Ferdinand Lake Beach	88,000	Aphanothece sp.	Aphanocapsa sp.	Chroococcus sp.	ND	ND	ND	NR
5/12	Hardy Lake – Hardy Lake SRA Beach	26,000	Aphanocapsa sp.	Chroococcus sp.	Picoplankton	ND	ND	ND	NR
5/12	Patoka Lake – Newton Stewart SRA Beach	110,000	Picoplankton	Merismopedia sp.	Chroococcus sp.	ND	ND	ND	NR
5/12	Whitewater Memorial SP – Whitewater Lake Beach	940,000	Pseudanabaena sp.	Planktothrix agardhii	Planktothrix isothrix	0.53	ND	ND	NR

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

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

<sup>3</sup>Saxitoxin reporting limit is 0.05 ug/l.

<sup>4</sup>Cylindrospermopsin 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