IDEM 2024 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]Cylindro-spermopsin ug/l
5/13	Cagles Mill Lake - Lieber SRA Beach	41,000	Aphanocapsa sp.	Aphanothece sp.	Merismopedia sp.	ND	ND	ND	NR
5/13	Cecil M. Harden Lake - Raccoon Lake SRA Beach	960,000	Pseudanabaena sp.	Aphanocapsa sp.	Limnothrix sp.	ND	ND	ND	NR
5/13	Monroe Lake - Fairfax SRA Beach	22,500	Aphanocapsa sp.	Picoplankton	Merismopedia sp.	ND	ND	ND	NR
5/13	Monroe Lake – Paynetown SRA Beach	34,000	Aphanocapsa sp.	Chroococcus sp.	Merismopedia sp.	ND	ND	ND	NR
5/13	Starve Hollow SRA – Starve Hollow Lake Beach	20,000	Aphanizomenon flos-aquae	Picoplankton	Chroococcus sp.	ND	ND	ND	NR
5/14	Whitewater Memorial SP – Whitewater Lake Beach	1,400,000	Pseudanabaena sp.	Aphanizomenon sp.	Chroococcus sp.	ND	ND	ND	NR
5/14	Brookville Lake - Mounds SRA Beach	17,000	Aphanocapsa sp.	Merismopedia sp.	Picoplankton	ND	ND	ND	NR
5/14	Brookville Lake - Quakertown SRA Beach	110,000	Pseudanabaena sp.	Aphanizomenon sp.	Merismopedia sp.	ND	ND	ND	NR
5/14	Deam Lake SRA – Deam Lake Beach	54,000	Aphanothece sp.	Aphanocapsa sp.	Picoplankton	ND	ND	ND	NR
5/14	Hardy Lake - Hardy Lake SRA Beach	22,000	Aphanizomenon flos-aquae	Picoplankton	Chroococcus sp.	ND	ND	ND	NR

[1]Microcystin detection and reporting limit is 0.30 ug/l.
[2] Anatoxin-a detection and reporting limit is 0.40 ug/l.
[3] Saxitoxin reporting limit is 0.05 ug/l.
[4]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