

IDEM 2013 SAMPLING RESULTS

Date	Location	Cyanobacteria Cells/ml	Dominant Species 1	Dominant Species 2	Dominant Species 3
8/27	Salamonie Lake Lost Bridge SRA	400,000	<i>Planktolyngbya limnetica</i>	<i>Microcystis sp.</i>	<i>Pseudanabaena sp.</i>
8/27	Mississinewa Lake Miami SRA	385,000	<i>Planktolyngbya limnetica</i>	<i>Merismopedia sp.</i>	<i>Microcystis sp.</i>
8/27	Potato Creek State Park Worster Lake	1,500,000	<i>Planktothrix sp.</i>	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica / Cylindrospermopsis raciborskii</i>
8/26	Cecil M. Harden Lake Raccoon SRA	3,300,000	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica</i>	<i>Merismopedia sp.</i>
8/26	Brookville Lake Mounds SRA	510,000	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica</i>	<i>Cylindrospermopsis raciborskii</i>
8/26	Brookville Lake Quakertown SRA	810,000	<i>Pseudanabaena sp.</i>	<i>Merismopedia sp.</i>	<i>Microcystis sp.</i>
8/26	Hardy Lake SRA	205,000	<i>Planktolyngbya limnetica</i>	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>
8/26	Lake Monroe Paynetown SRA	150,000	<i>Planktolyngbya limnetica</i>	<i>Microcystis sp.</i>	<i>Pseudanabaena sp.</i>
8/20	Lake James Pokagon State Park	90,300	<i>Microcystis sp.</i>	<i>solitary picoplankton*</i>	<i>Aphanothece sp.</i>
8/20	Sand Lake Chain O Lakes State Park	23,000	<i>Aphanizomenon flos-aquae</i>	<i>Pseudanabaena sp.</i>	<i>Anabaena sp.</i>
8/20	Salamonie Lake Lost Bridge SRA	320,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
8/19	Mississinewa Lake Miami SRA	225,000	<i>Pseudanabaena sp.</i>	<i>Merismopedia sp.</i>	<i>Microcystis sp.</i>
8/19	Potato Creek State Park Worster Lake	880,000	<i>Pseudanabaena sp.</i>	<i>Planktothrix sp.</i>	<i>Aphanizomenon sp.</i>
8/13	Cecil M. Harden Lake Raccoon SRA	1,300,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
8/13	Brookville Lake Mounds SRA	360,000	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica</i>	<i>solitary picoplankton*</i>
8/13	Brookville Lake Quakertown SRA	1,400,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
8/13	Whitewater Memorial State Park Whitewater Lake	12,000	<i>solitary picoplankton*</i>	<i>Anabaena sp.</i>	<i>Microcystis sp.</i>
8/12	Lake Monroe Fairfax SRA	21,500	<i>Planktolyngbya limnetica</i>	<i>solitary picoplankton*</i>	<i>Microcystis sp.</i>
8/12	Lake Monroe Paynetown SRA	160,000	<i>Planktolyngbya limnetica</i>	<i>Microcystis sp.</i>	<i>solitary picoplankton*</i>
8/12	Starve Hollow Lake SRA	46,000	<i>Merismopedia sp.</i>	<i>Aphanizomenon flos- aquae</i>	<i>Pseudanabaena sp.</i>
8/12	Deam Lake SRA	25,000	<i>Merismopedia sp.</i>	<i>Aphanocapsa sp.</i>	<i>solitary picoplankton*</i>
8/12	Hardy Lake SRA	130,000	<i>Planktolyngbya limnetica</i>	<i>Pseudanabaena sp.</i>	<i>solitary picoplankton*</i>
8/5	Salamonie Lake Lost Bridge SRA	410,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
8/5	Mississinewa Lake Miami SRA	290,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
8/5	Potato Creek State Park Worster Lake	1,400,000	<i>Pseudanabaena sp.</i>	<i>Planktothrix sp.</i>	<i>Cylindrospermopsis sp.</i>
7/30	Cecil M. Harden Lake Raccoon SRA	530,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Merismopedia sp.</i>
7/30	Hardy Lake SRA	160,000	<i>Planktolyngbya sp.</i>	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>
7/30	Patoka Lake Newton-Stewart SRA	83,000	<i>solitary picoplankton*</i>	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>
7/29	Brookville Lake Mounds SRA	230,000	<i>solitary picoplankton*</i>	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya sp.</i>
7/29	Brookville Lake Quakertown SRA	260,000	<i>Merismopedia sp.</i>	<i>Pseudanabaena sp.</i>	<i>solitary picoplankton*</i>
7/23	Lake James Pokagon State Park	21,000	<i>Microcystis sp.</i>	<i>Aphanothece sp.</i>	<i>Merismopedia sp.</i>
7/23	Sand Lake Chain O Lakes State Park	14,500	<i>Microcystis sp.</i>	<i>Woronichinia sp.</i>	<i>Aphanocapsa sp.</i>
7/23	Salamonie Lake Lost Bridge SRA	280,000	<i>Microcystis sp.</i>	<i>Pseudanabaena sp.</i>	<i>Merismopedia sp.</i>
7/22	Mississinewa Lake Miami SRA	275,000	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>	<i>Aphanocapsa sp.</i>
7/22	Potato Creek State Park Worster Lake	1,400,000	<i>Pseudanabaena sp.</i>	<i>Planktothrix sp.</i>	<i>Planktolyngbya sp.</i>
7/16	Cecil M. Harden Lake Raccoon SRA	610,000	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica</i>	<i>solitary picoplankton*</i>
7/16	Brookville Lake Mounds SRA	180,000	<i>solitary picoplankton*</i>	<i>Aphanizomenon flos- aquae</i>	<i>Aphanocapsa sp.</i>
7/16	Brookville Lake Quakertown SRA	280,000	<i>solitary picoplankton*</i>	<i>Planktolyngbya limnetica</i>	<i>Microcystis sp.</i>
7/16	Whitewater Memorial State Park Whitewater Lake	45,000	<i>Merismopedia sp.</i>	<i>Microcystis sp.</i>	<i>solitary picoplankton*</i>

7/15	Lake Monroe Fairfax SRA	63,000	<i>solitary picoplankton*</i>		
7/15	Lake Monroe Paynetown SRA	77,000	<i>solitary picoplankton*</i>	<i>Planktolyngbya limnetica</i>	
7/15	Starve Hollow Lake SRA	20,500	<i>solitary picoplankton*</i>	<i>Anabaena sp.</i>	<i>Aphanizomenon flos-aquae</i>
7/15	Deam Lake SRA	16,000	<i>Aphanocapsa sp.</i>	<i>solitary picoplankton*</i>	
7/15	Hardy Lake SRA	100,000	<i>Planktolyngbya limnetica</i>	<i>solitary picoplankton*</i>	<i>Aphanizomenon flos-aquae</i>
7/15	Patoka Lake Newton-Stewart SRA	200,000	<i>solitary picoplankton*</i>	<i>Planktolyngbya limnetica</i>	
7/15	Lincoln State Park – Lake Lincoln	16,000	<i>Aphanizomenon flos-aquae</i>	<i>Anabaena sp.</i>	<i>solitary picoplankton*</i>
7/8	Mississinewa Lake Miami SRA	400,000	<i>Pseudanabaena sp.</i>	<i>Planktolyngbya limnetica</i>	<i>Aphanizomenon sp.</i>
7/8	Worster Lake Potato Creek State Park	1,300,000	<i>Planktothrix agardhii</i>		
7/1	Hardy Lake SRA	20,000	<i>Aphanizomenon flos-aquae</i>	<i>Anabaena sp.</i>	<i>Microcystis sp.</i>
6/24	Mississinewa Lake Miami SRA	410,000	<i>Microcystis sp.</i>	<i>Cylindrospermopsis raciborskii</i>	<i>Aphanocapsa sp.</i>
6/24	Potato Creek State Park Worster Lake	990,000	<i>Planktothrix sp.</i>		
6/25	Lake James Pokagon State Park	20,000	<i>Planktolyngbya sp.</i>	<i>Aphanocapsa sp.</i>	<i>Microcystis sp.</i>
6/25	Sand Lake Chain O Lakes State Park	46,000	<i>Anabaena sp. (straight)</i>	<i>Microcystis sp.</i>	<i>Aphanizomenon flos-aquae</i>
6/25	Salamonie Lake Lost Bridge SRA	56,000	<i>Aphanocapsa sp.</i>	<i>Planktolyngbya sp.</i>	<i>Aphanocapsa sp.</i>
6/17	Lake Monroe Fairfax SRA	69,000	<i>Merismopedia sp.</i>	<i>Aphanocapsa sp.</i>	<i>Merismopedia sp.</i>
6/17	Lake Monroe Paynetown SRA	53,000	<i>Chroococcus sp.</i>	<i>Aphanocapsa sp.</i>	
6/17	Starve Hollow Lake SRA	62,000	<i>Merismopedia sp.</i>	<i>Microcystis sp.</i>	
6/17	Deam Lake SRA	6,400	<i>Chroococcus sp.</i>		
6/17	Hardy Lake SRA	120,000	<i>Chroococcus sp.</i>	<i>Aphanocapsa sp.</i>	
6/18	Cecil M. Harden Lake Raccoon SRA	76,000	<i>Aphanocapsa sp.</i>	<i>Pseudanabaena sp.</i>	<i>Microcystis sp.</i>
6/18	Brookville Lake Mounds SRA	69,000	<i>Aphanizomenon sp.</i>	<i>Aphanocapsa sp.</i>	<i>Microcystis sp.</i>
6/18	Brookville Lake Quakertown SRA	63,000	<i>Aphanizomenon sp.</i>	<i>Aphanocapsa sp.</i>	<i>Microcystis sp.</i>
6/18	Whitewater Memorial State Park Whitewater Lake	2,000	<i>Aphanizomenon sp.</i>		

\*=All solitary picoplankton were enumerated under epifluorescence green excitation for phycocyanin. Only emitting cells were counted.