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Supplementary Table 1. Cell counts for potentially toxigenic cyanobacteria as reported by the Virginia Department of Health (VDH) for 2019 and 2020 at Lake Anna, VA. Sample collection sites are indicated on the VDH HAB map (https://www.vdh.virginia.gov/waterborne-hazards-control/algal-bloom-surveillance-map/). The Virginia Department of Environmental Quality (DEQ) collected the samples from Lake Anna, and cyanobacteria counts were performed at the Phytoplankton Lab at Old Dominion University (ODU).

Genus	Reported Cell Counts, 2019	Reported Cell Counts, 2020
Anabaena	12,528	23,380
Anabaenopsis	4,576	29,050
Aphanizomenon	193,840	151,270
Arthrospira	37,669	0
Chrysosporum	505,813	262,080
Cuspidothrix	1,323,760	46,920
Dolichospermum	122,692	53,490
Jaaginema	7,137,168	14,000
Limnothrix	1,520	21,140
Microcystis	34,267	1,230
Nostocalean	0	16,170
Phormidium	105,112	0
Planktolyngbya	979,394	270,200
Planktothrix	0	13,300
Pseudanabaena	4,747,513	805,051
Raphidiopsis	8,449,792	2,339,584
Sphaerospermopsis	0	2,350