

DEP Algal Taxonomy Summary Report

Date Reported: 13-OCT-2022 Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov
Request ID: RQ-2022-09-05-38 Collector: Leif Boman, Katie March
Event ID: WQAP-2022-10-12-04 Date Collected: 10/11/2022 11:40:00
LIMS Sample ID: 2361954 Date Received: 10/12/2022 9:25:00 AM
Analysis: BLOOM-ID Sample Container: Plastic Tube 50 mL
Site Location: Lake Apopka - .25 miles N of Newton Park Sample Preservation: ICE
Field ID: HABCE0144_LakeApopka1 Analyst: Rachael Dragon
Sample Notes: The co-dominant taxa were *Microcystis aeruginosa* and *Planktolyngbya microspira*. The sample water was cloudy with specks.
Diatoms were present.

Result: The co-dominant taxa were *Microcystis aeruginosa* and *Planktolyngbya microspira*.

Other Taxa Present:	Toxin Potential *	Cells/mL
Cyanophyceae		
<i>Aphanothece sp.</i>		
<i>Aphanocapsa delicatissima</i>	Undetermined	
<i>Merismopedia tenuissima</i>		
<i>Microcystis wesenbergii</i>	Yes	
<i>Microcystis aeruginosa</i>	Yes	
<i>Pseudanabaena sp.</i>	Undetermined	
<i>Planktolyngbya contorta</i>		
<i>Planktolyngbya limnetica</i>		
<i>Planktolyngbya microspira</i>		

Chlorophyceae

Ankistrodesmus falcatus

* Information based on literature searches and personal communication; information is continually being updated. "Undetermined" refers to specimens for which the lowest practical level of taxonomic identification is genus and some, but not all, species within that genus have the potential to produce toxins or toxin information not available for the identified species but is available for genus level.