

DEP Algal Taxonomy Summary Report

Date Reported: 17-AUG-2022

Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov

Request ID: RQ-2022-07-18-57

Collector: Victoria Schwartz

Event ID: WQAP-2022-08-16-02

Date Collected: 8/15/2022 1:15:00 PM

LIMS Sample ID: 2349531

Date Received: 8/16/2022 9:39:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Dot - fishing pier

Sample Preservation: ICE

Field ID: HABCE0125_LakeDot

Analyst: Rachael Dragon

Sample Notes: The co-dominant taxa were *Cylindrospermopsis raciborskii* and *Microcystis aeruginosa*. The sample water was clear with specks.

Result: The co-dominant taxa were *Cylindrospermopsis raciborskii* and *Microcystis aeruginosa*.

Other Taxa Present:	Toxin Potential *	Cells/mL
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Cyanophyceae

<i>Aphanocapsa delicatissima</i>	Undetermined	
<i>Microcystis wesenbergii</i>	Yes	
<i>Microcystis aeruginosa</i>	Yes	
<i>Cylindrospermopsis raciborskii</i>	Yes	
<i>Aphanizomenon flosaquae</i>	Yes	
<i>Pseudanabaena mucicola</i>	Yes	
<i>Planktolyngbya limnetica</i>		

Chlorophyceae

<i>Tetraedron gracile</i>		
<i>Cosmarium sp.</i>		

* 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.