

DEP Algal Taxonomy Summary Report

Date Reported: 18-MAY-2023

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

Request ID: RQ-2023-05-15-67

Collector: Terry Riordan, Jessie Atchison

Event ID: WQAP-2023-05-17-02

Date Collected: 5/16/2023 11:08:00 AM

LIMS Sample ID: 2410179

Date Received: 5/17/2023 9:33:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Tiger Lake - Center

Sample Preservation: ICE

Field ID: HABCE0185_TigerLake2

Analyst: Rachael Dragon

Sample Notes: The co-dominant taxa were *Microcystis aeruginosa* and *Aphanocapsa delicatissima*. The sample water was cloudy and green. Diatoms were present.

Result: The co-dominant taxa were *Microcystis aeruginosa* and *Aphanocapsa delicatissima*.

Other Taxa Present:	Toxin Potential *	Cells/mL
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Cyanophyceae

Aphanothece sp.

Cyanodictyon imperfectum

Aphanocapsa delicatissima

Undetermined

Merismopedia warmingiana

Microcystis wesenbergii

Yes

Microcystis aeruginosa

Yes

Dolichospermum circinale

Yes

Pseudanabaena mucicola

Yes

Planktolyngbya contorta

Chlorophyceae

Tetraedron gracile

Ankistrodesmus falcatus

Scenedesmus acuminatus

Scenedesmus bicaudatus

Scenedesmus perforatus

* 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.