

DEP Algal Taxonomy Summary Report

Date Reported: 20-SEP-2021

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

Request ID: RQ-2021-08-30-53

Collector: M.Bearden, Leif Boman

Event ID: WQAP-2021-09-15-01

Date Collected: 9/14/2021 12:30:00 PM

LIMS Sample ID: 2276134

Date Received: 9/15/2021 9:24:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Copeland - SE Corner

Sample Preservation: ICE

Field ID: HABCE0093_LakeCopeland

Analyst:

Sample Notes: The dominant taxon was *Microcystis aeruginosa*. The sample water was clear with specks. Diatoms were present. Approximately 75% of the algae were cyanobacteria.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present:	Toxin Potential *	Cells/mL
---------------------	-------------------	----------

Cyanophyceae

<i>Microcystis wesenbergii</i>	Yes	
<i>Microcystis aeruginosa</i>	Yes	
<i>Cylindrospermopsis raciborskii</i>	Yes	

Chlorophyceae

Chlamydomonas sp.
Dictyosphaerium pulchellum
Cosmarium sp.

Euglenophyceae

Strombomonas sp.

Dinophyceae

Glenodinium sp.

* 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.