

DEP Algal Taxonomy Summary Report

Date Reported: 22-SEP-2021

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

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

Collector: Liz Bates

Event ID: WQAP-2021-09-17-04

Date Collected: 9/15/2021 9:05:00 AM

LIMS Sample ID: 2276488

Date Received: 9/17/2021 10:22:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Howell - SW Corner

Sample Preservation: ICE

Field ID: HABCE0086_LakeHowell

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 aeruginosa</i>	Yes	
<i>Cylindrospermopsis raciborskii</i>	Yes	
<i>Pseudanabaena mucicola</i>	Yes	
<i>Planktolyngbya contorta</i>		
<i>Planktolyngbya limnetica</i>		
Chlorophyceae		
<i>Dictyosphaerium pulchellum</i>		
<i>Scenedesmus perforatus</i>		
Dinophyceae		
<i>Glenodinium 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.