

DEP Algal Taxonomy Summary Report

Date Reported: 26-AUG-2021	Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov
Request ID: RQ-2021-08-02-13	Collector: Liz Bates/Leif Boman
Event ID: WQAP-2021-08-24-01	Date Collected: 8/23/2021 2:20:00 PM
LIMS Sample ID: 2271341	Date Received: 8/24/2021 9:40:00 AM
Analysis: BLOOM-ID	Sample Container: Plastic Tube 50 mL
Site Location: Lake Emerald - SE park Shore	Sample Preservation: ICE
Field ID: HABCE0088_LakeEmerald	Analyst: Rachael Dragon
Sample Notes: There was no clear dominant taxon in the sample. Approximately 75% of the algae were cyanobacteria.	

Result: There was no clear dominant taxon in the sample.

Other Taxa Present:	Toxin Potential *	Cells/mL
Cyanophyceae		
<i>Aphanothece sp.</i>		
<i>Aphanocapsa delicatissima</i>	Undetermined	
<i>Merismopedia tenuissima</i>		
<i>Microcystis aeruginosa</i>	Yes	
<i>Cylindrospermopsis raciborskii</i>	Yes	
<i>Aphanizomenon flosaquae</i>	Yes	
<i>Planktolyngbya contorta</i>		
<i>Planktolyngbya limnetica</i>		
<i>Planktolyngbya microspira</i>		
Chlorophyceae		
<i>Scenedesmus bijuga</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.