

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 10:05:00 AM
LIMS Sample ID: 2276487 Date Received: 9/17/2021 10:22:00 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: Isaura Lorenzo-Perez
Sample Notes: The dominant taxon was *Microcystis aeruginosa*.

The water was clear with some specks present. The algae appeared alive and healthy.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present:	Toxin Potential *	Cells/mL
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Cyanophyceae

<i>Aphanocapsa delicatissima</i>	Undetermined	
<i>Merismopedia tenuissima</i>		
<i>Merismopedia warmingiana</i>		
<i>Microcystis aeruginosa</i>	Yes	
<i>Cylindrospermopsis gangetica</i>		
<i>Planktolyngbya contorta</i>		
<i>Planktolyngbya limnetica</i>		
<i>Planktolyngbya lacustris</i>		

Chlorophyceae

<i>Dictyosphaerium pulchellum</i>		
<i>Scenedesmus bijuga</i>		
<i>Crucigenia crucifera</i>		
<i>Dimorphococcus lunatus</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.