

DEP Algal Taxonomy Summary Report

Date Reported: 23-JUL-2021

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

Request ID: RQ-2021-06-28-06

Collector: Liz Bates

Event ID: WQAP-2021-07-22-01

Date Collected: 7/21/2021 2:00:00 PM

LIMS Sample ID: 2264230

Date Received: 7/22/2021 9:45:00 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: The co-dominant taxon was Aphanothece sp. and Microcystis aeruginosa.

Result: The co-dominant taxa were Aphanothece sp. and Microcystis aeruginosa.

Other Taxa Present:	Toxin Potential *	Cells/mL
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Cyanophyceae

Rhabdogloea sp.

Aphanothece sp.

Snowella lacustris

Merismopedia tenuissima

Microcystis wesenbergii

Yes

Microcystis aeruginosa

Yes

Anabaenopsis circularis

Undetermined

Dolichospermum sp.

Aphanizomenon sp.

Undetermined

Planktolyngbya contorta

Planktolyngbya limnetica

Planktolyngbya microspira

Chlorophyceae

Pediastrum simplex

Scenedesmus quadricauda

Euglenophyceae

Phacus 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.