

DEP Algal Taxonomy Summary Report

Date Reported: 9/19/2018

Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@dep.state.fl.us

Request ID: RQ-2018-09-17-95

Collector: M. Bearden

Event ID: SW-DIST-2018-09-18-01

Date Collected: 9/17/2018 9:06:00 AM

LIMS Sample ID: 2025821

Date Received: 9/18/2018 9:20:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Mattie Bloom Response

Sample Preservation: ICE

Field ID: MATTIE BLOOM

Analyst: Rachael Dragon

Sample Notes: The sample water was cloudy with specks.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present:

Toxin Potential *

Cyanophyceae

Aphanothece sp.

Woronichinia naegeliana

Snowella sp.

Microcystis sp.

Undetermined

Microcystis wessenbergii

Yes

Microcystis aeruginosa

Yes

Cylindrospermopsis raciborskii

Yes

Dolichospermum circinale

Yes

Aphanizomenon flosaquae

Yes

Pseudanabaena mucicola

Yes

Planktothrix agardhii

Yes

Planktolyngbya contorta

Planktolyngbya limnetica

Chlorophyceae

Oocystis sp.

Botryococcus braunii

Staurastrum 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.