

FDEP Algal Taxonomy Summary Report

Date Reported: 28-JUL-2016

Report sent by: Cheryl Swanson, 850-245-8171, Cheryl.Swanson@dep.state.fl.us

Request ID: RQ-2016-07-18-43

Collector: Corey Anderson

Event ID: WQAP-2016-07-27-01

Date Collected: 7/25/2016 11:50:00

LIMS Sample ID: 1819154

Date Received: 7/27/2016 9:45:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Istokpoga Algae SE

Sample Preservation: ICE

Field ID: ISTO072516-5

Analyst: Ashrafi Begum

Sample Notes: Neither thick scum nor algal specks were visible in the sample. The sample was brown in color. Algae appeared alive and healthy. Planktonic diatoms, *Aulacoseira* sp., *Cyclotella* sp., and *Fragilaria* sp., were present in the sample.

Result: The co-dominant taxa were *Planktolyngbya contorta* and *Microcystis aeruginosa*.

Other Taxa Present:

Toxin Potential *

Cyanophyceae

Rhabdogloea sp.

Merismopedia warmingiana

Microcystis sp.

Undetermined

Microcystis wesenbergii

Yes

Microcystis aeruginosa

Yes

Cylindrospermopsis raciborskii

Yes

Dolichospermum circinale

Yes

Dolichospermum spiroides

Yes

Dolichospermum planctonicum

Undetermined

Aphanizomenon flosaquae

Yes

Pseudanabaena sp.

Undetermined

Planktolyngbya contorta

Planktolyngbya limnetica

Chlorophyceae

Schroederia judayi

Tetraedron gracile

Ankistrodesmus falcatus

Quadrigula chodatii

Pediastrum duplex

Scenedesmus quadricauda

Scenedesmus abundans

Selenastrum westii

Dictyosphaerium ehrenbergianum

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.