

# 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 10:30:00

LIMS Sample ID: 1819153

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

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Istokpoga Algae W

Sample Preservation: ICE

Field ID: ISTO072516-4

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/attached diatoms, *Aulacoseira* sp., *Leptocylindrus minimus*, 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

*Merismopedia tenuissima*

*Merismopedia warmingiana*

*Microcystis* sp.

Undetermined

*Microcystis wesenbergii*

Yes

*Microcystis aeruginosa*

Yes

*Cylindrospermopsis raciborskii*

Yes

*Dolichospermum circinale*

Yes

*Dolichospermum spiroides*

Yes

*Aphanizomenon flosaquae*

Yes

*Pseudanabaena* sp.

Undetermined

*Planktolyngbya contorta*

*Planktolyngbya limnetica*

## Chlorophyceae

*Schroederia judayi*

*Ankistrodesmus falcatus*

*Pediastrum tetras*

*Scenedesmus abundans*

*Scenedesmus perforatus*

*Selenastrum westii*

*Willea rectangularis*

*Botryococcus braunii*

*Staurastrum* sp.

*Euastrum denticulatum*

## Dinophyceae

*Peridinium* 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.