

# 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 11:30:00

LIMS Sample ID: 1819152

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

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Istokpoga Algae CEN

Sample Preservation: ICE

Field ID: ISTO072516-3

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. and *Nitzschia* sp., were present in the sample.

**Result:** The dominant taxon was *Planktolyngbya contorta*.

**Other Taxa Present:** **Toxin Potential \***

## Cyanophyceae

*Rhabdogloea* sp.

*Merismopedia tenuissima*

*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

*Ankistrodesmus falcatus*

*Quadrigula chodatii*

*Pediastrum duplex*

*Scenedesmus quadricauda*

*Selenastrum westii*

*Tetrastrum heterocanthum*

*Dictyosphaerium ehrenbergianum*

*Botryococcus braunii*

## 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.