

DEP Algal Taxonomy Summary Report

Date Reported: 04/08/2019

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

Request ID: RQ-2019-03-11-20

Collector: M. Bearden

Event ID: SW-DIST-2019-04-09-01

Date Collected: 4/8/2019 11:50:00 AM

LIMS Sample ID: 2076422

Date Received: 4/9/2019 9:25:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: Lake Pierce Bloom Response

Sample Preservation: ICE

Field ID: LAKE PIERCE

Analyst: Isaura Lorenzo-Perez

Sample Notes: The water was cloudy. The algae appeared alive and healthy.

Result: The co-dominant taxa were *Planktolyngbya limnetica* and *Cylindrospermopsis raciborskii*.

Other Taxa Present:

Toxin Potential *

Cyanophyceae

Coelosphaerium dubium

Aphanothece sp.

Aphanocapsa delicatissima

Undetermined

Snowella sp.

Microcystis wessenbergii

Yes

Microcystis aeruginosa

Yes

Cylindrospermopsis raciborskii

Yes

Pseudanabaena sp.

Undetermined

Spirulina sp.

Planktolyngbya contorta

Planktolyngbya limnetica

Chlorophyceae

Oocystis sp.

Dictyosphaerium pulchellum

Pediastrum duplex

Scenedesmus quadricauda

Scenedesmus verrucosus

Botryococcus braunii

Staurastrum sp.

Dinophyceae

Glenodinium sp.

Ceratium 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.