

DEP Algal Taxonomy Summary Report

Date Reported: 06/12/2019

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

Request ID: RQ-2018-10-15-28

Collector: J.Ashton / B.Paswater

Event ID: SW-DIST-2019-06-12-01

Date Collected: 6/11/2019 2:30:00 PM

LIMS Sample ID: 2094552

Date Received: 6/12/2019 10:00:00 AM

Analysis: BLOOM-ID

Sample Container: Plastic Tube 50 mL

Site Location: FLINT CREEK @ KNIGHTS GRIFFIN ALGAE

Sample Preservation: ICE

Field ID: FLINT CREEK

Analyst: Rachael Dragon

Sample Notes: The sample water was cloudy.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present:

Toxin Potential *

Cyanophyceae

<i>Aphanocapsa</i> sp.	Undetermined
<i>Merismopedia warmingiana</i>	
<i>Microcystis</i> sp.	Undetermined
<i>Microcystis wessenbergii</i>	Yes
<i>Microcystis aeruginosa</i>	Yes
<i>Anabaenopsis circularis</i>	Undetermined
<i>Dolichospermum</i> sp.	
<i>Dolichospermum circinale</i>	Yes
<i>Pseudanabaena mucicola</i>	Yes
<i>Planktolyngbya contorta</i>	
<i>Planktolyngbya limnetica</i>	

Chlorophyceae

Scenedesmus quadricauda
Scenedesmus bicaudatus
Scenedesmus perforatus
Botryococcus braunii

* 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.