

FDEP Laboratory, Biology Program, Algal Taxonomy Summary Report

Report Date: 2/2/2016
Report sent by: Cheryl Swanson, 850-245-8171, Cheryl.Swanson@dep.state.fl.us
Request ID: RQ-2016-01-25-69
Event ID: SO-DIST-2016-02-02-02
Sample ID: 1768020
Analysis: BLOOM-ID
Collector: Benjamin Paswater
Site Location: Blue Lake @ Northside
Field ID: G4SD020116-8
Date Collected: 2/1/2016 13:50
Date Received: 2/2/2016 14:00
Sample container: 50 ml plastic tube
Sample preservation: None
Analyst(s): Ashrafi Begum
Sample notes: No thick scum was visible though sample contained greenish specks in the water. The algae in the sample appeared alive and healthy. The taxa belonging to Cyanophyceae and Chrysophyceae (*Dinobryon bavaricum*) were prevalent among other groups of algae.

Result:	Class	Toxin potential *
The dominant taxon was:		
<i>Microcystis aeruginosa</i>	Class Cyanophyceae	yes
Other taxa present:		
<i>Microcystis wesenbergii</i>	Class Cyanophyceae	yes
<i>Pseudanabaena</i> sp.	Class Cyanophyceae	undetermined
<i>Cylindrospermopsis raciborskii</i>	Class Cyanophyceae	yes
<i>Aphanizomenon flosaquae</i>	Class Cyanophyceae	yes
<i>Jaaginema geminatum</i>	Class Cyanophyceae	-
<i>Schroederia judayi</i>	Class Chlorophyceae	-
<i>Botryococcus braunii</i>	Class Chlorophyceae	-
<i>Elakatothrix gelatinosa</i>	Class Chlorophyceae	-
<i>Staurostrum</i> sp.	Class Chlorophyceae	-
<i>Coelastrum microporum</i>	Class Chlorophyceae	-
<i>Cryptomonas</i> sp.	Class Cryptophyceae	-
<i>Glenodinium pulvisculus</i>	Class Dinophyceae	-
<i>Dinobryon bavaricum</i>	Class Chrysophyceae	-

* Information based on literature searches and personal communications; 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.