

DEP Algal Taxonomy Summary Report

Date Reported: 4/30/2019 Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov
Request ID: RQ-2019-03-11-20 Collector: M.Bearden, S.Meyer
Event ID: SW-DIST-2019-04-30-01 Date Collected: 4/29/2019 12:40:00
LIMS Sample ID: 2081671 Date Received: 4/30/2019 10:00:00
Analysis: BLOOM-ID Sample Container: Plastic Tube 50 mL
Site Location: Elam Lake Algal Bloom Response Sample Preservation: ICE
Field ID: Elam Lake Algal Bloom Respons Analyst: Isaura Lorenzo-Perez
Sample Notes: The water was cloudy with specks present. The algae appeared alive and healthy.

Result: The co-dominant taxa were *Microcystis aeruginosa* and *Aphanocapsa delicatissima*.

Other Taxa Present: **Toxin Potential ***

Cyanophyceae

<i>Cyanodictyon</i> sp.	
<i>Aphanocapsa incerta</i>	Yes
<i>Aphanocapsa delicatissima</i>	Undetermined
<i>Snowella</i> sp.	
<i>Merismopedia tenuissima</i>	
<i>Microcystis aeruginosa</i>	Yes
<i>Dolichospermum</i> sp.	
<i>Pseudanabaena</i> sp.	Undetermined

Chlorophyceae

Ankistrodesmus falcatus
Kirchneriella obesa
Dictyosphaerium pulchellum
Pediastrum duplex
Scenedesmus quadricauda
Crucigenia crucifera
Selenastrum sp.
Botryococcus braunii
Closterium sp.
Staurastrum sp.
Euastrum sp.
Koliella sp.

Euglenophyceae

Phacus sp.

Dinophyceae

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.