

DEP Algal Taxonomy Summary Report

Date Reported: 6/28/2018 Report sent by: Cheryl Swanson, 850-245-8171, Cheryl.Swanson@dep.state.fl.us
Request ID: RQ-2018-01-15-47 Collector: Maryann Dugan, Nicole Reistad
Event ID: WQAP-2018-06-27-03 Date Collected: 6/26/2018 10:15:00
LIMS Sample ID: 2003427 Date Received: 6/27/2018 10:00:00
Analysis: BLOOM-ID Sample Container: Plastic Tube 50 mL
Site Location: Orange River Tree Farm Sample Preservation: ICE
Field ID: Orange River Tree Farm Analyst: Isaura Lorenzo-Perez
Sample Notes: Green specks were visible in the sample. Diatoms belonging to the Genera *Nitzschia* sp., *Gomphonema* sp., *Navicula* sp., *Aulacoseira* sp., *Cyclotella* sp., and *Thalassiosira* sp. were present. The algae appeared alive and healthy.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present: **Toxin Potential ***

Cyanophyceae

<i>Aphanocapsa</i> sp.	Undetermined
<i>Snowella</i> sp.	
<i>Merismopedia punctata</i>	
<i>Merismopedia tenuissima</i>	
<i>Merismopedia warmingiana</i>	
<i>Microcystis aeruginosa</i>	Yes
<i>Pseudanabaena</i> sp.	Undetermined
<i>Romeria</i> sp.	
<i>Planktothrix agardhii</i>	Yes
<i>Planktolyngbya contorta</i>	
<i>Planktolyngbya limnetica</i>	

Chlorophyceae

Chlamydomonas sp.
Monoraphidium sp.
Monoraphidium arcuatum
Dictyosphaerium pulchellum
Pediastrum duplex
Scenedesmus quadricauda
Scenedesmus bijuga
Closterium sp.

Euglenophyceae

Phacus sp.

Dinophyceae

Glenodinium 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.