

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 10:50:00
LIMS Sample ID: 2003428	Date Received: 6/27/2018 10:00:00
Analysis: BLOOM-ID	Sample Container: Plastic Tube 50 mL
Site Location: Tiki Hut @ SR 31	Sample Preservation: ICE
Field ID: Tiki Hut @ SR 31	Analyst: Isaura Lorenzo-Perez
Sample Notes: Green specks were visible in the sample. Diatoms belonging to the Genera <i>Nitzschia</i> sp., <i>Aulacoseira</i> sp., <i>Cyclotella</i> sp., and <i>Coscinodiscus</i> sp. were present. The algae appeared alive and healthy.	

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present: **Toxin Potential ***

Cyanophyceae

<i>Radiocystis</i> sp.	
<i>Rhabdogloea</i> sp.	
<i>Aphanocapsa</i> sp.	Undetermined
<i>Aphanocapsa incerta</i>	Yes
<i>Merismopedia warmingiana</i>	
<i>Microcystis aeruginosa</i>	Yes
<i>Pseudanabaena</i> sp.	Undetermined
<i>Jaaginema gracile</i>	
<i>Romeria</i> sp.	
<i>Planktolyngbya contorta</i>	

Chlorophyceae

Pteromonas sp.
Oocystis sp.
Kirchneriella sp.
Monoraphidium sp.
Scenedesmus quadricauda
Scenedesmus obliquus
Crucigenia rectangularis

Euglenophyceae

Euglena sp.
Strombomonas sp.

Dinophyceae

Glenodinium sp.
Peridinium 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.