

DEP Algal Taxonomy Summary Report

Date Reported: 9/24/2019 Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov
Request ID: RQ-2019-07-22-66 Collector: M.BEARDEN
Event ID: WQAP-2019-09-24-04 Date Collected: 9/23/2019 1:00:00 PM
LIMS Sample ID: 2121824 Date Received: 9/24/2019 10:20:00
Analysis: BLOOM-ID Sample Container: Plastic Tube 50 mL
Site Location: LAKE BUFFUM BLOOM RESPONSE-FOLLOW Sample Preservation: ICE
Field ID: LAKE BUFFUM BLOOM RESPONSE-FOL Analyst: Isaura Lorenzo-Perez
Sample Notes: The water was clear with some specks present. The algae appeared alive and healthy.

Result: The dominant taxon was *Microcystis aeruginosa*.

Other Taxa Present: **Toxin Potential ***

Cyanophyceae

<i>Merismopedia warmingiana</i>	
<i>Microcystis aeruginosa</i>	Yes
<i>Anabaena</i> sp.	Undetermined
<i>Cylindrospermopsis raciborskii</i>	Yes
<i>Dolichospermum circinale</i>	Yes
<i>Romeria</i> sp.	
<i>Planktolyngbya limnetica</i>	
<i>Planktolyngbya lacustris</i>	

Chlorophyceae

Chlamydomonas sp.
Monoraphidium sp.
Scenedesmus quadricauda
Crucigenia rectangularis
Closterium 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.