DEP Algal Taxonomy Summary Report

Date Reported: 09/28/2020
Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov
Request ID: RQ-2020-09-21-38
Collector: Shelley Alexander
Event ID: WQAP-2020-09-28-01
Date Collected: 9/23/2020 2:18:00 PM
LIMS Sample ID: 2198640
Date Received: 9/28/2020 9:35:00 AM
Analysis: BLOOM-ID
Sample Container: 500 mL Glass Jar
Site Location: Drainage into Santa Rosa Sound
Sample Preservation: ICE
Field ID: Laural Street and Bay Street
Analyst: Isaura Lorenzo-Perez

Sample Notes: Sample collected on 9/23/2020 and received 9/28/2020. The water was green in color. The benthic diatoms, *Aulacoseira granulata*, *Pinnularia* sp., *Nitzschia* sp., and *Gomphonema parvulum*, were present. Some disintegrated colonies of *Microcystis wesenbergii* were observed in the sample.

Result: The dominant taxon was *Microcystis wesenbergii*.

Other Taxa Present:	**Toxin Potential ***
Cyanophyceae	
Microcystis wesenbergii	Yes
Microcystis aeruginosa	Yes
Anabaena sp.	Undetermined
Oscillatoria limosa	Yes
Pseudanabaena sp.	Undetermined
Pseudanabaena mucicola	Yes
Chlorophyceae	
Chlamydomonas 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.