

FDEP Algal Taxonomy Summary Report

Date Reported: 12/15/2016 Report sent by: Jennifer Walters, 850-245-8159, Jennifer.Walters@dep.state.fl.us
Request ID: RQ-2016-12-05-69 Collector: Natalie Ayala
Event ID: CEN-DIST-2016-12-06-02 Date Collected: 12/5/2016 11:00:00
LIMS Sample ID: 1855159 Date Received: 12/6/2016 10:19:00
Analysis: ALGAL_ID Sample Container: Plastic Tube 50 mL
Site Location: Helena Run 0.45 mi upstream of Hwy 27 Sample Preservation: ICE
Field ID: G1CE0035 Analyst: Isaura Lorenzo-Perez
Sample Notes: The sample contained a large algal mat in water with the following benthic, attached diatoms: *Eunotia* sp., *Gomphonema* sp., *Nitzschia* sp. and Fragilariaceae.

Result: The co-dominant taxa were *Plectonema wollei* (Class Cyanophyceae) and *Rhizoclonium hieroglyphicum* (Class

Other Taxa Present: **Toxin Potential ***

Cyanophyceae

<i>Gloeotrichia</i> sp.	
<i>Oscillatoria</i> sp.	Undetermined
<i>Oscillatoria granulata</i>	
<i>Plectonema wollei</i>	Yes
<i>Pseudanabaena</i> sp.	Undetermined
<i>Heteroleibleinia kuetzingii</i>	
<i>Phormidium</i> sp.	Undetermined

Xanthophyceae

Vaucheria sp.

Chlorophyceae

Rhizoclonium hieroglyphicum
Mougeotia sp.
Onychonema filiforme

* 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.