

## FDEP Laboratory, Biology Program, Algal Taxonomy Summary Report

Report Date: 4/6/2016  
Report sent by: Cheryl Swanson, 850-245-8171, Cheryl.Swanson@dep.state.fl.us  
Request ID: RQ-2016-04-04-61  
Event ID: WQAP-2016-04-06-02  
Sample ID: 1787199  
Analysis: ALGAL\_ID  
Collector: CURTIS MUSSON  
Site Location: LAKE LAFAYETTE DRAIN 250 METERS DOWNSTREAM OF WEEMS RD.  
Field ID: G1WA0007  
Date Collected: 4/6/2016 10:15  
Date Received: 4/6/2016 13:39  
Sample container: 50 ml plastic tube  
Sample preservation: None  
Analyst(s): Ashrafi Begum  
Sample notes: The sample contained a large greenish algal mat along with debris/brownish soil particles in the water. A few benthic/attached diatoms, e.g. *Surirella* sp., *Aulacoseira granulata*, and *Navicula* spp. were present in the sample.

| Result:                 | Class              | Toxin potential * |
|-------------------------|--------------------|-------------------|
| The dominant taxon was: |                    |                   |
| <i>Phormidium</i> sp.   | Class Cyanophyceae | undetermined      |

|                                 |                      |              |
|---------------------------------|----------------------|--------------|
| Other taxa present:             |                      |              |
| <i>Oscillatoria</i> sp.         | Class Cyanophyceae   | undetermined |
| <i>Oscillatoria limosa</i>      | Class Cyanophyceae   | yes          |
| <i>Heteroleibleinia</i> sp.     | Class Cyanophyceae   | -            |
| <i>Leibleinia epiphytica</i>    | Class Cyanophyceae   | -            |
| <i>Geitlerinema acutissimum</i> | Class Cyanophyceae   | yes          |
| <i>Anabaena</i> sp.             | Class Cyanophyceae   | undetermined |
| <i>Closterium venus venus</i>   | Class Chlorophyceae  | -            |
| <i>Cosmarium</i> sp.            | Class Chlorophyceae  | -            |
| <i>Staurastrum</i> sp.          | Class Chlorophyceae  | -            |
| <i>Pleurotaenium</i> sp.        | Class Chlorophyceae  | -            |
| <i>Scenedesmus quadricauda</i>  | Class Chlorophyceae  | -            |
| <i>Chlamydomonas</i> sp.        | Class Chlorophyceae  | -            |
| <i>Ceratium hirundinella</i>    | Class Dinophyceae    | -            |
| <i>Phacus orbicularis</i>       | Class Euglenophyceae | -            |

\* Information based on literature searches and personal communications; 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.