

## DEP Algal Taxonomy Summary Report

Date Reported: 21-DEC-2022      Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov  
Request ID: RQ-2022-12-19-33      Collector: Jessie Atchinson, Katie March  
Event ID: WQAP-2022-12-20-02      Date Collected: 12/19/2022 11:01:00  
LIMS Sample ID: 2376476      Date Received: 12/20/2022 9:17:00 AM  
Analysis: BLOOM-ID      Sample Container: Plastic Tube 50 mL  
Site Location: Lake Howell - NW Shore      Sample Preservation: ICE  
Field ID: HABCE0148\_LakeHowell2      Analyst:  
Sample Notes: The dominant taxon was Microcystis aeruginosa. The sample water was clear with specks. Diatoms were present.

**Result:** The dominant taxon was Microcystis aeruginosa.

| Other Taxa Present:             | Toxin Potential * | Cells/mL |
|---------------------------------|-------------------|----------|
| <b>Cyanophyceae</b>             |                   |          |
| <i>Rhabdoderma sp.</i>          |                   |          |
| <i>Aphanocapsa incerta</i>      | Yes               |          |
| <i>Microcystis aeruginosa</i>   | Yes               |          |
| <i>Planktolyngbya contorta</i>  |                   |          |
| <i>Planktolyngbya limnetica</i> |                   |          |
| <b>Chlorophyceae</b>            |                   |          |
| <i>Scenedesmus quadricauda</i>  |                   |          |
| <b>Prasinophyceae</b>           |                   |          |
| <i>Tetraselmis cordiformis</i>  |                   |          |
| <b>Euglenophyceae</b>           |                   |          |
| <i>Phacus sp.</i>               |                   |          |

\* 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.