

## DEP Algal Taxonomy Summary Report

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|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Date Reported: 18-JAN-2023                                                                                                 | Report sent by: Amelia Rankin, 850-245-8182, Amelia.Rankin@FloridaDEP.gov |
| Request ID: RQ-2023-01-16-15                                                                                               | Collector: Terry Riordan, Victoria Schwartz                               |
| Event ID: WQAP-2023-01-18-02                                                                                               | Date Collected: 1/17/2023 12:28:00 PM                                     |
| LIMS Sample ID: 2381296                                                                                                    | Date Received: 1/18/2023 9:15:00 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>Aphanothece sp.</i>          |                   |          |
| <i>Merismopedia punctata</i>    |                   |          |
| <i>Microcystis aeruginosa</i>   | Yes               |          |
| <i>Planktolyngbya limnetica</i> |                   |          |
| <b>Chrysophyceae</b>            |                   |          |
| <i>Dinobryon sertularia</i>     |                   |          |
| <b>Chlorophyceae</b>            |                   |          |
| <i>Scenedesmus quadricauda</i>  |                   |          |
| <i>Crucigenia crucifera</i>     |                   |          |
| <i>Micractinium pusillum</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.