

## SOLitude Lake Management

590 Lake St.  
Shrewsbury, MA 01545

Date Received: 05/29/2024

Laboratory ID#: N2493558-01

Date Tested: 05/31/2024

Report Date: 06/04/2024

## Algae Species Identification (Expanded)

Sample Site: Surface Water @ Singletary Lake-Middle Surface - Sutton, MA

Date and Time Collected: 05/15/2024 @ 10:25

| Diatoms: Centric Diatoms |  |
|--------------------------|--|
| Acanthoceras             |  |
| Aulacoseira              |  |
| Cyclotella               |  |
| Melosira                 |  |
| Stephanodiscus           |  |
| Other centric            |  |

| Araphid Pennate Diatoms |       |
|-------------------------|-------|
| Asterionella            | 1,400 |
| Diatoma                 | 160   |
| Fragilaria              | 140   |
| Meridion                |       |
| Synedra                 |       |
| Tabellaria              |       |
| Other Araphid Pennates  |       |
| Monoraphid Pennate      |       |
| Achnanthidium           |       |
| Cocconeis               |       |

| Pyrrhophyta        |  |
|--------------------|--|
| Ceratium           |  |
| Gymnodinium        |  |
| Peridinium         |  |
| Other Dinoflagates |  |

| Euglenophyta  |    |
|---------------|----|
| Euglena       |    |
| Eutrepti      |    |
| Lepocinclis   |    |
| Phacus        |    |
| Trachelomonas | 20 |
| Strombomonas  |    |
| Others        |    |

| Flagellated Chlorophytes |  |
|--------------------------|--|
| Chlamydomonas            |  |
| Coccomonas               |  |
| Eudorina                 |  |
| Pandorina                |  |
| Pyramichlamys            |  |
| Tetraselmis              |  |
| Volvox                   |  |
| Other Flagelated Greens  |  |

| Coccoid/Colonial Chlorophyta |  |
|------------------------------|--|
| Actinastrum                  |  |
| Ankistrodesmus               |  |
| Botryococcus                 |  |
| Chlorella                    |  |
| Chlorococcum                 |  |
| Closteriopsis                |  |
| Coelastrum                   |  |
| Crucigenia                   |  |
| Desmodesmus                  |  |
| Dictyosphaerium              |  |
| Elakatothrix                 |  |
| Golenkinia                   |  |
| Kirchneriella                |  |
| Lagerheimia                  |  |
| Micractinium                 |  |
| Monoraphidium                |  |

| Filamentous Chlorophytes |  |
|--------------------------|--|
| Bulbochaete              |  |
| Chaetophora              |  |
| Cladophora               |  |
| Draparnaldia             |  |
| Hydrodictyon             |  |
| Microspora               |  |
| Oedogonium               |  |
| Pithophora               |  |
| Rhizoclonium             |  |
| Stigeoclonium            |  |
| Ulothrix                 |  |
| Other Filamentous Greens |  |

| Biraphid Pennate       |  |
|------------------------|--|
| Amphipleura            |  |
| Amphora (#)            |  |
| Cymatopleura           |  |
| Cymbella               |  |
| Entomoneis             |  |
| Epithemia              |  |
| Eunotia                |  |
| Frustulia              |  |
| Gomphonema             |  |
| Gyrosigma              |  |
| Navicula               |  |
| Nitzschia              |  |
| Pinnularia             |  |
| Rhoicosphenia          |  |
| Rhopalodia             |  |
| Stauroneis             |  |
| Surirella              |  |
| Other Biraphid Pennate |  |

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| Tribophytes/Eustigmatophytes |  |
|------------------------------|--|
| Centritractus                |  |
| Ophiocytium                  |  |
| Pseudostaurastrum            |  |
| Pseudotetraedron             |  |
| Tribonema                    |  |
| Vaucheria                    |  |
| Mischococcoid Taxa           |  |
| Chloramoeboid Taxa           |  |
| Rhizochlorid Taxa            |  |
| Heterogloeolid Taxa          |  |
| Other Tribophytes            |  |
| Raphidophytes                |  |
| Gonyostomum Taxa             |  |
| Euglenophyta                 |  |
| Euglena                      |  |
| Eutrepti                     |  |
| Lepocinclis                  |  |
| Phacus                       |  |
| Trachelomonas                |  |
| Strombomonas                 |  |
| Others                       |  |

| Desmids               |  |
|-----------------------|--|
| Closterium            |  |
| Cosmarium             |  |
| Desmidium             |  |
| Euastrum              |  |
| Hyalotheca            |  |
| Micrasterias          |  |
| Mougeotia/Debarya     |  |
| Octacanthium          |  |
| Pleurotaenium/Related |  |
| Spirogyra (#)         |  |
| Staurastrum (#)       |  |
| Staurodesmus          |  |
| Teilingia             |  |
| Xanthidium            |  |
| Zygnema/Zygnemopsis   |  |
| Others                |  |

| Chlorophytes       |  |
|--------------------|--|
| Oocystis           |  |
| Pediastrum (#)     |  |
| Paulschulzia       |  |
| Polyedriopsis      |  |
| Pseudopediastrum   |  |
| Quadrigula         |  |
| Scenedesmus        |  |
| Schroederia/Ankyra |  |
| Selenastrum        |  |
| Sphaerocystis      |  |
| Tetrademus (#)     |  |
| Tetraedron         |  |
| Tetrastrum         |  |
| Treubaria          |  |
| Other Coccoid      |  |
| Other Elongate     |  |

| Flagellated Classic Chrysophytes |     |
|----------------------------------|-----|
| Chromulina                       |     |
| Chrysococcus                     |     |
| Chrysosphaerella                 | 820 |
| Dinobryon                        |     |
| Kephyrian/Pseudokephyrian        |     |
| Mallomonas                       |     |
| Ochromonas                       |     |
| Synura                           |     |
| Uroglena                         |     |
| Uroglenopsis                     |     |
| Others                           |     |
| Non Motiles                      |     |
| Haptophytes                      |     |

**Total Cell Count 2,500 /mL**

### Comments:

- Results are based on the sample as received by Northeast Laboratories, Inc. 05/29/2024.

Approved by:   
Alan C. Johnson, Laboratory Director