

Client: SOLitude Lake Management
Address: 590 Lake St. Shrewsbury, MA 01545
City, State, Zip: Shrewsbury, MA 01545

Date Received: 07/30/2026
Report Date: 08/05/2026
NE Labs ID: N26102476-01

Cyanobacteria and Expanded Algae Species Identification

Date/ Time Collected: 07/28/2026 10:15 am

Collected By: Connor Emsley

Sample Site: Singletory Lake - Middle Surface

Date Tested: 08/04/2026

TOXIN RISK KEY: ■ High Risk Potential ■ Moderate Risk Potential ■ Low or Unknown Risk Potential

CYANOBACTERIA (Blue-Green Algae)

High Risk Cyanobacteria

Genus/Species	Count	Risk
Microcystis		■
Dolichospermum (Anabaena)		■
Aphanizomenon		■
Raphidiopsis (Cylindrospermopsis)		■

Moderate Risk Cyanobacteria

Genus/Species	Count	Risk
Aphanocapsa		■
Cuspidothrix		■
Oscillatoria		■
Snowella		■
Spirulina		■
Synechococcus		■
Pseudanabaena		■

Non Toxin Producing Cyanobacteria

Genus/Species	Count	Risk
Aphanothece		■

Other Cyanobacteria Observed

Genus/Species	Count	Risk
Merismopedia	150	■

ALGAE (Eukaryotic)

Potentially Toxic Algae

Genus/Species	Count	Risk
Dinobryon	110	■
Scenedesmus		■

Non-Toxic Algae

Genus/Species	Count	Risk
Asterionella		■
Diatoma		■
Fragilaria		■
Navicula	10	■
Pediastrum		■
Selenastrum		■
Staurastrum	58	■
Staurodesmus		■
Synedra		■
Tabellaria	38	■

Other Algae Species Observed

Genus / Species	Count	Risk
Nitzschia	96	■
Tetradasmus	420	■

Total Cyanobacteria Cell Count (cells/mL) 150

Total Algae Cell Count (cells/mL) 730

Total Cell Count (Cyanobacteria + Algae) 880

Comments:

- Results are based on sample(s) submitted to Northeast Laboratories, Inc. CT lab #PH0404 on: 07/28/2026.
- Due to the nature of the test procedure, all total cell counts are estimates rounded to the nearest two numerical, non-zero digits (two significant figures). The total cell count is determined by the addition of all individual species.

Review Date:

Reviewed by:

Released by:

08/06/2026

Selena Anderson QA/QC

Zachary Cannone, Laboratory Director

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO/ILAC-IAF Communiqué dated April 2017).

30 Cold Spring Rd. Rocky Hill, CT 06067

www.nelabsct.com Telephone: 860-828-9787

CT Cert. #PH-0404 EPA Cert. #CT-024 FDA Reg. #086650488 ACTL.0000004