SRTC SePRO Research & Technology Campus

SOLITUDE LAKE MANAGEMENT

SeSCRIPT Analysis Report: *Albemarle County Parks*

Company: SOLitude Lake Management
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Project Name: Albemarle County Parks
Surface Area: NA
Average depth: NA
Date Sample Received: 8/16/2023
SeSCRIPT Analysis Performed: Algae ID

Algae ID Results
Albemarle County Parks

Identification	Classification	Description	Density/Biomass (cells/mL)
Chris Greene Lake- Upper			
***Coelastrum* sp.**	Chlorophyta-Green algae	Colonial, planktonic	< 40
***Gloeocystis* sp.**	Chlorophyta-Green algae	Colonial, planktonic	< 40

Other algae observed at densities lower than 40 cells/mL include: *Dictyosphaerium, Elakatothrix, Nephrocytium* (Chlorophyta); *Trachelomonas* (Euglenophyta)
Some particulate organic matter observed

Identification	Classification	Description	Density/Biomass (cells/mL)
Chris Greene Lake- Lower			
***Dictyosphaerium* sp.**	Chlorophyta-Green algae	Colonial, planktonic	< 40
***Gloeocystis* sp.**	Chlorophyta-Green algae	Colonial, planktonic	< 40

Some particulate matter observed

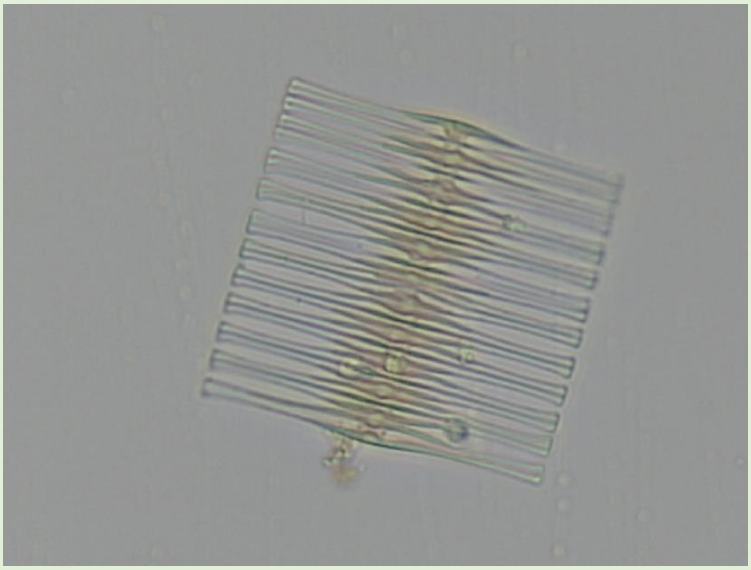
Algae ID Results (cont.)
Albemarle County Parks

Identification	Classification	Description	Density/Biomass (cells/mL)
Mint Springs- Upper			
***Fragilaria* sp.**	Bacillariophyta-Diatoms	Colonial, planktonic, potential taste/odor producer	990

Other algae observed at densities lower than 40 cells/mL include: *Phacotus, Planktosphaeria* (Chlorophyta); *Trachelomonas* (Euglenophyta)
Some particulate matter observed

Identification	Classification	Description	Density/Biomass (cells/mL)
Mint Springs- Lower			
***Fragilaria* sp.**	Bacillariophyta-Diatoms	Colonial, planktonic, potential taste/odor producer	1,300

Other algae observed at densities lower than 40 cells/mL include: *Nitzschia* (Bacillariophyta); *Coelastrum, Dictyosphaerium* (Chlorophyta); *Trachelomonas* (Euglenophyta)
Some particulate matter observed



Algae ID Results (cont.)
Albemarle County Parks

Identification	Classification	Description	Density/Biomass (cells/mL)
Walnut Creek- Beach			
***Oocystis* sp.**	Chlorophyta- Green algae	Colonial, planktonic	850

Other algae observed at densities lower than 40 cells/mL include: *Glenodinium* (Dinophyta); *Euglena, Trachelomonas* (Euglenophyta)

Some particulate matter observed

Identification	Classification	Description	Density/Biomass (cells/mL)
Walnut Creek- Lake			
***Oocystis* sp.**	Chlorophyta- Green algae	Colonial, planktonic	1,600

Other algae observed at densities lower than 40 cells/mL include: *Glenodinium* (Dinophyta); *Trachelomonas* (Euglenophyta)

Some particulate matter observed