SRTC SePRO Research & Technology Campus

SeSCRIPT Analysis Report: *Lake Dalecarlia*

Company: Lake Dalecarlia

Address: 979 N Lakeview Dr, Lowell IN 46356

Contact Person: William Conaty

Phone: (815)-474-8106

Email: billster1955@yahoo.com

Project Name: Lake Dalecarlia

Surface Area: 180 acres

Average depth: 4 feet

Date Sample Received: 06/25/2020

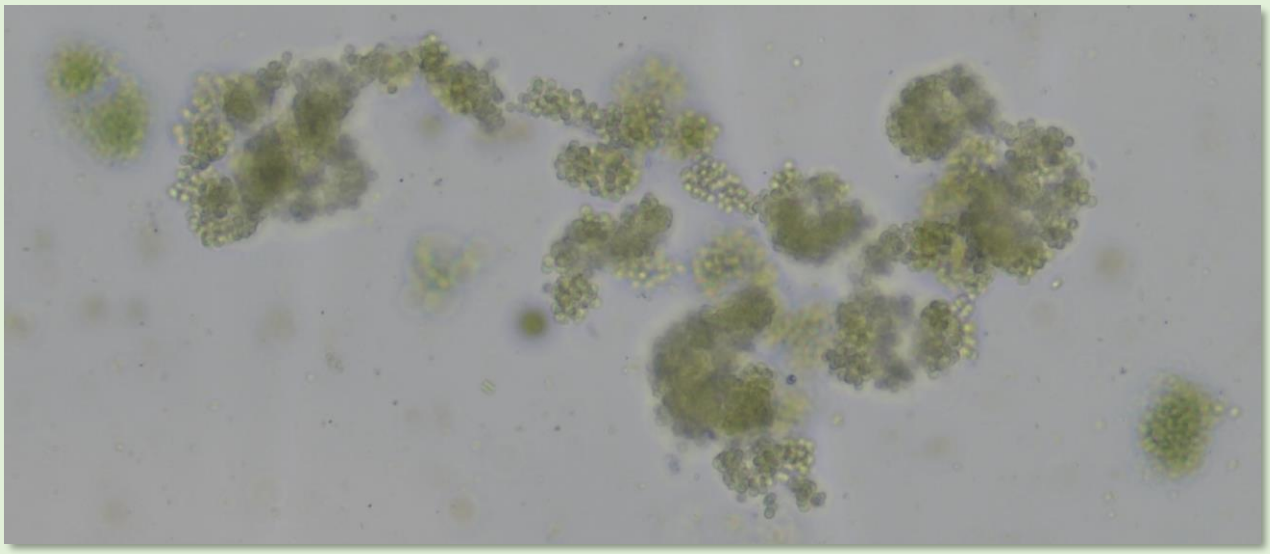
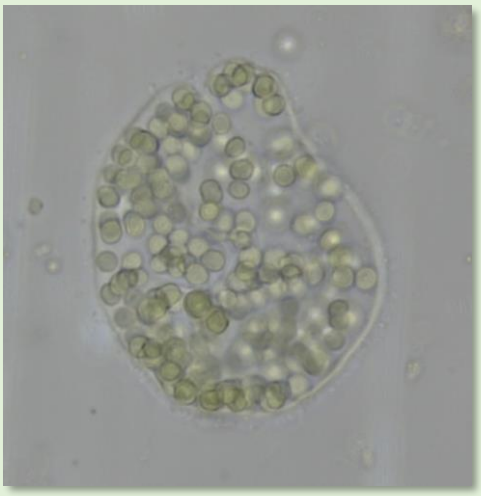
SeSCRIPT Analysis Performed: Algae ID

Algae ID Results
Lake Dalecarlia

Identification	Classification	Description	Density/Biomass (cells/mL)
***Microcystis* sp.**	Cyanophyta-Blue-green algae	Filamentous, scum-former, planktonic, potential toxin and taste/odor producer	133,200 ★★★
***Dolichospermum* sp.**	Cyanophyta-Blue-green algae	Filamentous, scum-former, planktonic, potential toxin and taste/odor producer	12,800

Other algae in the sample at densities lower than 80 cells/mL include: *Aulacoseira*, *Melosira*, *Navicula*, *Stephanodiscus*, *Synedra* (Bacillariophyta); *Coelastrum*, *Crucigenia*, *Gloeocystis*, *Oocystis*, *Pediastrum*, *Scenedesmus*, *Schroederia*, *Selenastrum* (Chlorophyta); *Aphanizomenon*, *Aphanocapsa*, *Planktolyngbya* (Cyanophyta); *Ceratium*, *Glenodinium* (Dinophyta); *Phacotus*, *Trachelomonas* (Euglenophyta); *Pseudostaurastrum* (Eustigmatophyceae); *Staurastrum* (Streptophyta); *Mallomonas* (Synurophyceae)

SeSCRIPT* ALERT INDEX	EXPOSURE RISK	CYANOBACTERIA LEVELS (cells/mL)
★	Low	<20,000
★★	Moderate	20,000 to 100,000
★★★	High	>100,000
★★★★	Extreme	>100,000 with scums/mats
See the following Cyanobacteria Alert Guide for additional information		

Algae ID Results

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