Potentially Toxigenic (PTOX) Cyanobacteria Report

Project: Lacawac Sanctuary

Samples Received: July 19, 2019
Report Prepared: July 19, 2019
Analyst: Amanda Foss

Sample ID	Site	Collected
BTWIN1-71719	Big Twin Lake	17 July 2019

Method

A one mL aliquot of sample was prepared using a Sedgewick Rafter cell. The sample was scanned at 100X for the presence of potentially toxigenic (PTOX) cyanobacteria using a Nikon Eclipse TE200 inverted microscope equipped with phase contrast optics. Higher magnification was used as necessary for identification and micrographs.

Results

BTWIN1-71719

The potentially toxigenic (PTOX) cyanobacterium *Dolichospermum* sp. was observed in low levels (<10 filaments per mL).

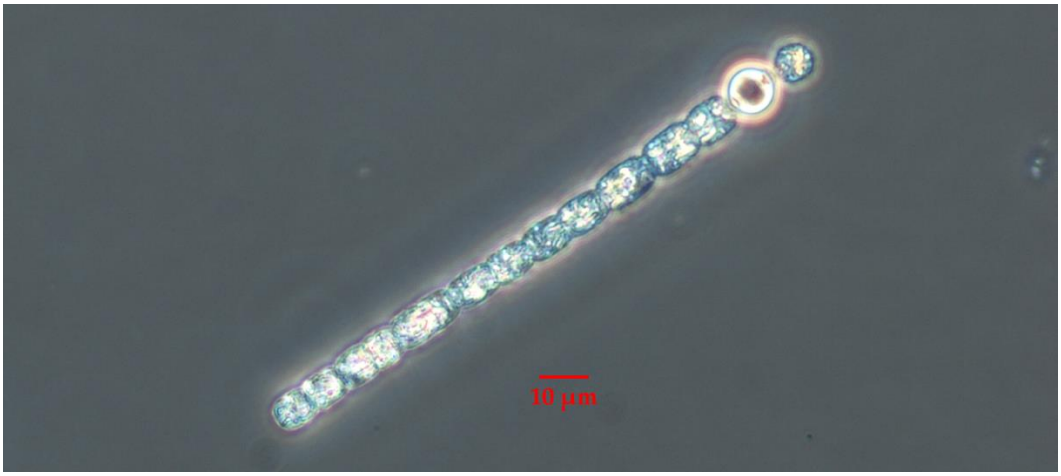
Potential toxin producing genera observed include:

Microcystins	Saxitoxins	Anatoxin-a	Cylindrospermopsin
Dolichospermum	*Dolichospermum*	*Dolichospermum*	*Dolichospermum*

Recommendations

Based on the limited PTOX cyanobacteria presence, analyses are not currently recommended.

Micrographs



Dolichospermum sp. at 400x (**BTWIN1-71719)**

Submitted by: Amanda Foss

Amanda Foss, M.S.

Date: 7/19/19

The results in this report relate only to the samples listed above.
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