

Potentially Toxicogenic (PTOX) Cyanobacteria Report*Project: Lacawac Sanctuary*

Samples Received: July 25, 2019

Report Prepared: July 25, 2019

Analyst: Amanda Foss

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
LittleTwin72419-1	Little Twin Site 1	24 July 2019
LittleTwin72419-2	Little Twin Site 1	24 July 2019

Method

A one mL aliquot of each sample was prepared using a Sedgewick Rafter cell. The samples were scanned at 100X for the presence of potentially toxicogenic (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**LittleTwin72419-1**

The potentially toxicogenic (PTOX) cyanobacterium *Dolichospermum* sp. (3 filaments per mL) was observed.

LittleTwin72419-2

PTOX cyanobacteria were not observed.

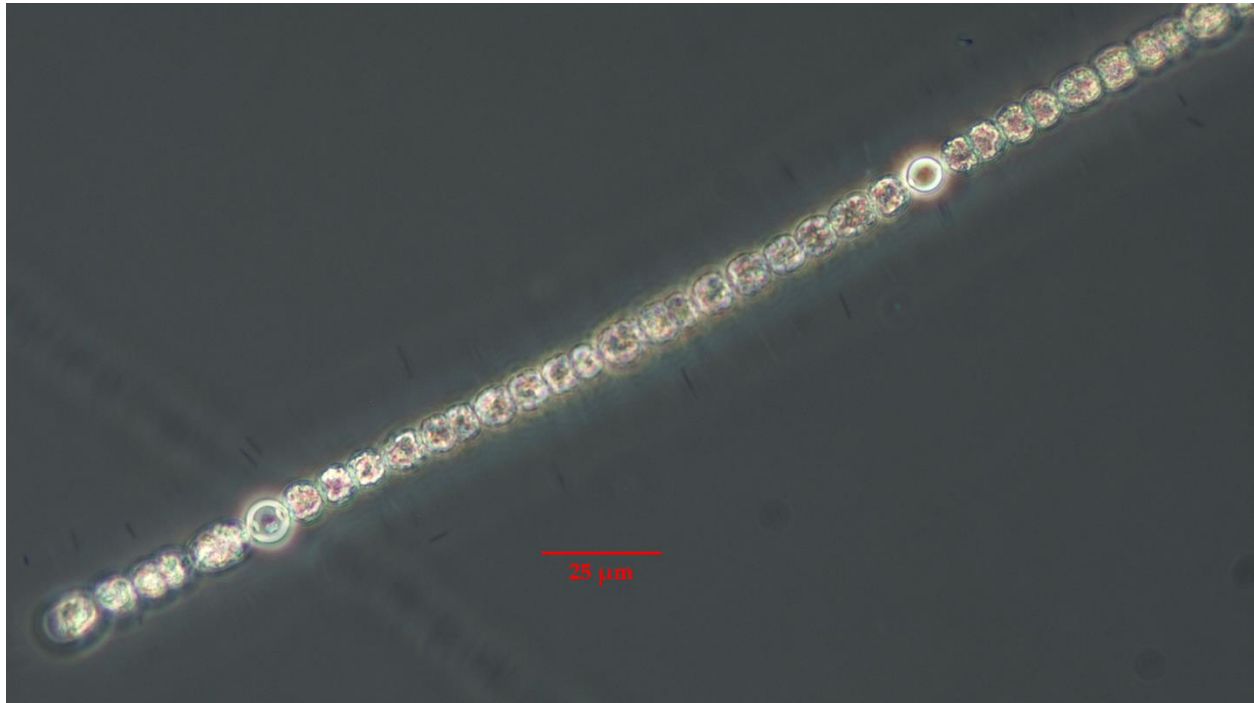
Potential toxin producing genera observed include:

Microcystins	Saxitoxins	Anatoxin-a	Cylindrospermopsin
<i>Dolichospermum</i>	<i>Dolichospermum</i>	<i>Dolichospermum</i>	<i>Dolichospermum</i>

Recommendations

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

Micrographs



Dolichospermum sp. at 400x (LittleTwin72419-1)

Submitted by:

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Date:

7/25/19

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

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