

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

Samples Received: July 16, 2019

Report Prepared: July 16, 2019

Analyst: Amanda Foss

<u>Sample ID</u>	<u>Site</u>	<u>Collected</u>
WALKER1-71519	Walker Center	15 July 2019
WALKER2-71519	Walker Island	15 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**WALKER1-71519**

Potentially toxicogenic (PTOX) cyanobacteria were not observed.

WALKER2-71519

A single filament (per mL) of the PTOX cyanobacterium *Aphanizomenon* sp. was observed.

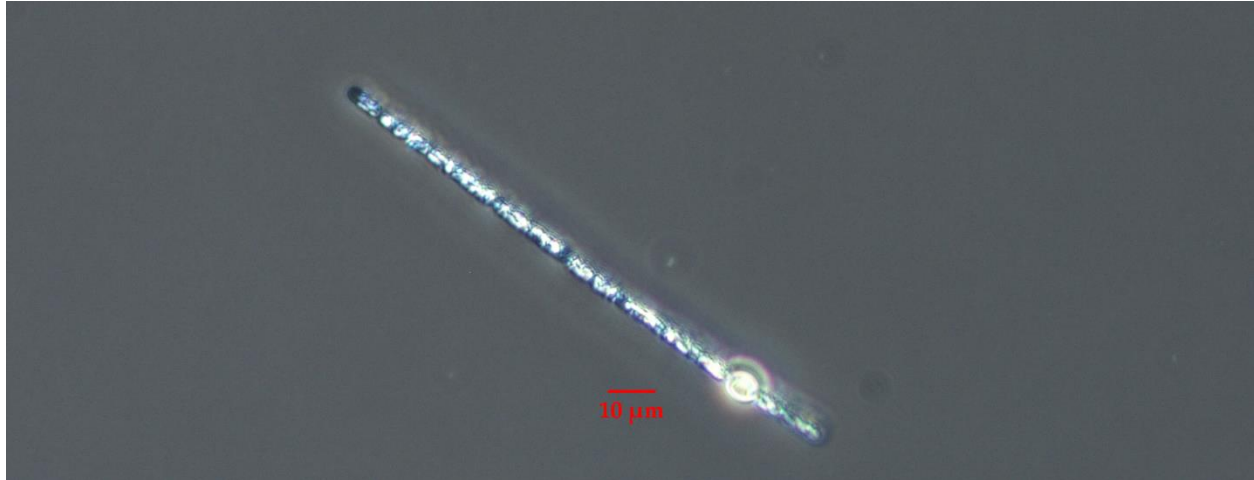
Potential toxin producing genera observed include:

<u>Microcystins</u>	<u>Saxitoxins</u>	<u>Anatoxin-a</u>	<u>Cylindrospermopsin</u>
<i>Aphanizomenon</i>	<i>Aphanizomenon</i>	<i>Aphanizomenon</i>	<i>Aphanizomenon</i>

Recommendations

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

Micrographs



Aphanizomenon sp. at 400x (WALKER2-71519)

Submitted by:

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Date:

7/16/19

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

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