

Water Recreation

Swim Beach Monitoring

Brian Schlottmann

August 11, 2020



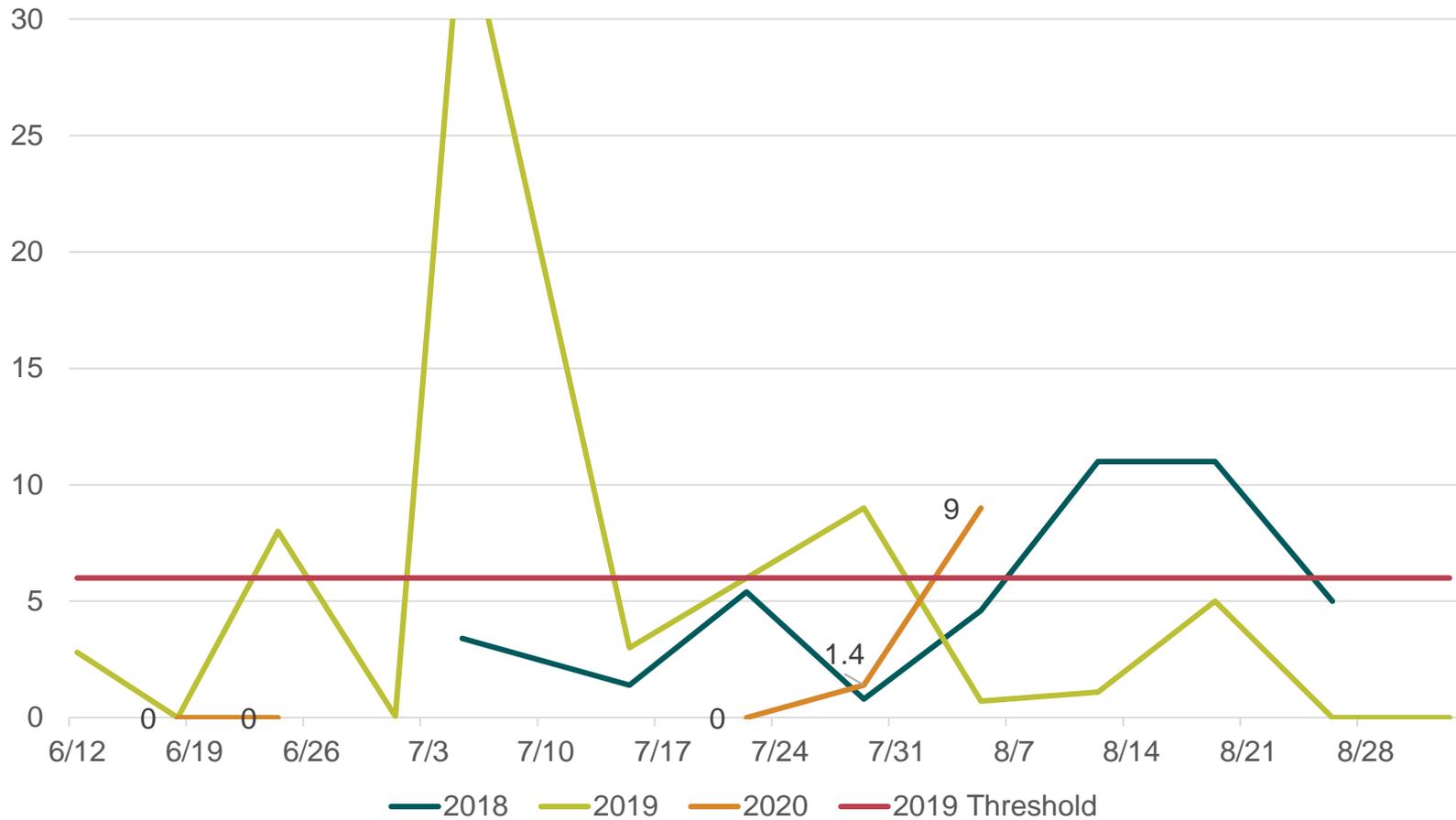
Vancouver Lake Swim Beach

7/27/2020

Microcystin: 1.4 $\mu\text{g/L}$

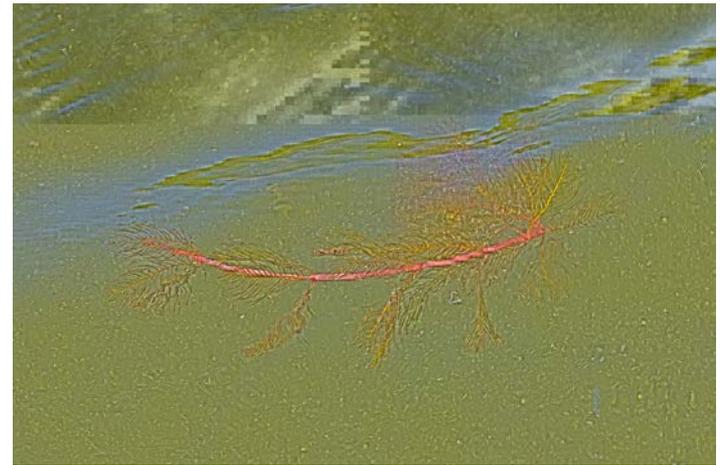


Vancouver Lake 2018-2020 Microcystin comparison



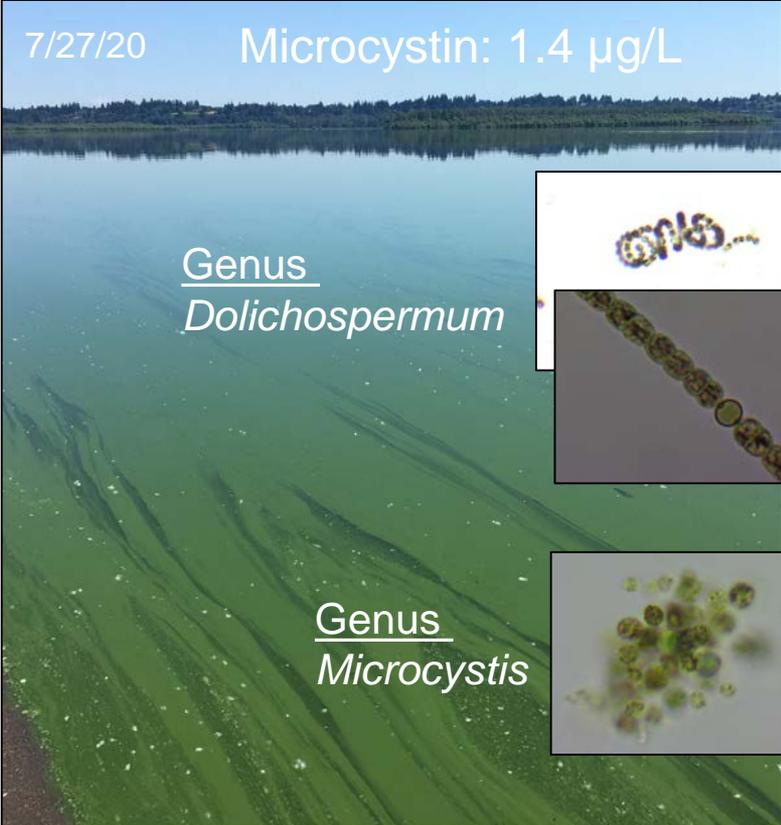
Vancouver Lake Milfoil Treatment

- Occurred on July 7th
- Visited the lake weekly following treatment
- Algae bloom first seen on July 20th
- Other variables
 - Stormwater inflow
 - Lake river inflow
 - Heavy sun
 - Hot days/warm water



Vancouver Lake Swim Beach

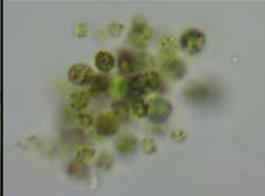
7/27/20 Microcystin: 1.4 µg/L



Genus
Dolichospermum



Genus
Microcystis

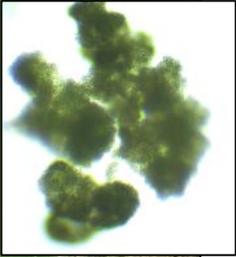


8/3/20 Microcystin: 9 µg/L

Genus
Dolichospermum
& *Microcystis*



Genus
Microcystis

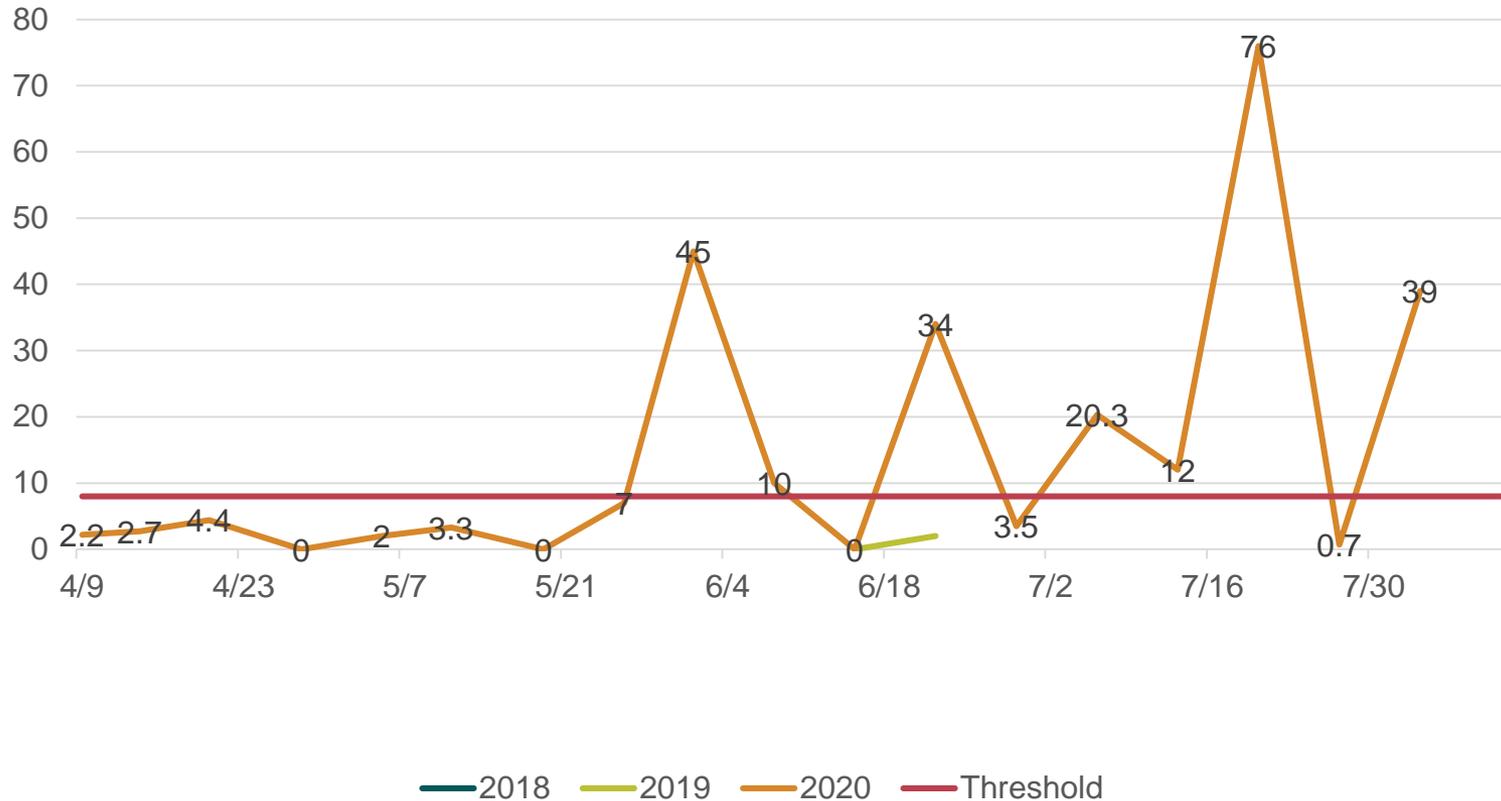


Lacamas Lake

7/20/20



Lacamas Lake 2018-2020 Microcystin comparison



Lacamas Lake Cove by boat launch

7/20/20 Microcystin: 76 µg/L

Genus
Dolichospermum



Genus
Aphanizomenon
& *Woronichinia*



Genus
Microcystis



8/3/20 Microcystin: 20.3 µg/L

Genus
Microcystis



Genus
Woronichinia



Genus
Dolichospermum



Thank you!

Comments and questions

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