



HABS WEEKLY NEWSLETTER

2022 CAYUGA LAKE HABS MONITORING PROGRAM

Sediment Outflow at Taughannock by Bill Hecht

JULY 14, 2022

by CLWN Staff Intern Maria Lee

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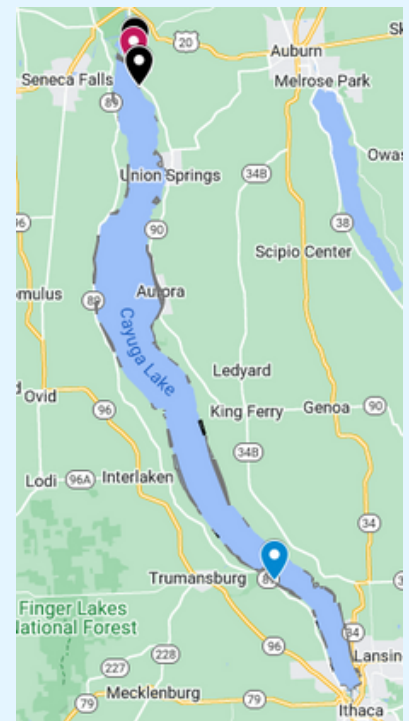
HABs Update

This week, HABs season has begun to pick up the pace. From 7/8 to 7/14, there were a total of **four confirmed HABs**, all located within the Northeast quadrant of Cayuga Lake, followed by a **suspicious bloom** in the Southwest quadrant.

To view the most recent HAB reports, visit the [Community Science Institute's HABs Reporting Page!](#)

If you missed the past few newsletters, you can view them at our website's [2022 HABs Update Page](#), where all weekly HABs newsletters will be posted.

Continue reading for an information chart on the following page, to learn about HABs and climate change, and a special Creatures of Cayuga Lake highlight!



Map of Cayuga Lake indicating the location of HABs.

Black pins: Cyanobacteria are present in bloom (HAB) sample
Red pins: Cyanobacteria bloom with a microcystin toxin concentration that exceeds the limit for contact recreation (4.0 ug/ L).
Blue pins: Suspicious HAB

HABs Information Chart: 7/8 to 7/14

Bloom Code	Date Sample Received at CSI Lab	Location Description	Bloom extent	Microscopy	Total Chlorophyll l (ug/L)	Microcystin Toxin (ug/L)	Bloom Status
22-3458-B1	Sample not collected	Minor bloom localized along the shoreline of Water St. in the village of Cayuga	Small localized	Sample not collected	Sample not collected	Sample not collected	Cyanobacteria bloom (HAB). Photos indicate that this is a cyanobacteria bloom
22-3475-B1	7/8/2022	Kayak launch area near Harris Parkin Village of Cayuga	Small localized	dense Microcystis, sparse Dolichospermum	790	253.00	Cyanobacteria bloom (HAB). Photos indicate that this is a cyanobacteria bloom
22-3402-B1	7/10/2022	Shoreline near dock close to Ide Machine	Small localized	dense Microcystis, sparse/moderate Dolichospermum	6842	1333.00	Cyanobacteria bloom (HAB). Photos and microscopy confirm that this is a cyanobacteria bloom
22-3402-B2	7/13/2022	Small bay along private shoreline south of the Village of Cayuga	Small localized	dense Microcystis, sparse Dolichospermum	Results pending	Results pending	Confirmed cyanobacteria bloom (HAB), confirmed by photos and microscopy
22-3470-B1	7/13/2022	Bloom observed near Taughannock Blvd., Trumansburg	Small localized	sparse Dolichospermum	Results pending	Results pending	Suspicious bloom. Photos and microscopy suggest that there may be cyanobacteria present

HABs and Climate Change

The past several decades have expressed some clear changes in the local climate. In Cayuga Lake, seasonal weather transitions have become more uncertain, and overall, extreme events have become more frequent and intense. Climate change contributes to:

- **Increased frequency of heat stress days**
- **Increased frequency of high rainfall events leading to flooding**
- **Increased frequency of short-term summer water deficits**

The cyanobacteria that form HABs thrive in warm water. With an increase of extreme heat stress days, this could cause HABs to develop faster and be more intense, leading to more negative consequences for people and organisms around the lake.



Photo from [CSI website](#)

LEARN MORE AT OUR WEBSITE'S [SIGNS OF CLIMATE CHANGE PAGE!](#)

FAQs

Where can I look for HABs updates near me?

To keep an eye out for HABs in your area or anywhere around Cayuga Lake, visit the [CSI's HAB's Reporting Page](#). In addition, this newsletter will contain weekly updates about reported HABs.

Where can I report a HAB or a suspicious HAB?

Please fill out the [HAB Report form](#) with the required information or email us at habshotline@gmail.com. When you are sending in a report, please make sure to include your contact information and photos of the bloom (one close-up for detail and one further away to show the extent of the bloom), location, date, and time.

Safety Tips:

1. Stay away from any suspicious blooms
2. Never swallow untreated lake water.
3. Don't swim in cloudy, discolored, or suspicious-looking water - it could contain microorganisms that are harmful to humans
4. Make sure to wash your hands after contact with water before you eat, or shower after swimming



KNOW IT, AVOID IT, REPORT IT!

Questions? Contact:



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Photo by Bill Hecht

