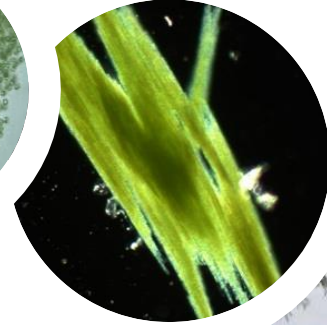
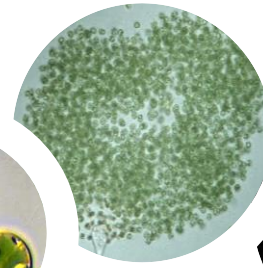
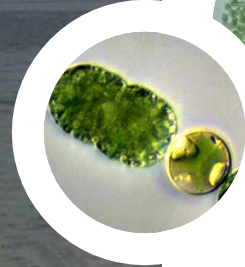


# Cayuga Lake HABs Harrier Training 2018

Claire Weston  
Outreach Coordinator  
Community Science Institute








First of all...

THANK YOU!

# NO BLOOM REPORT

- The “No Bloom” Report should be filled out every week that you survey your zone but do not observe a bloom
- The “No Bloom” Report should only be submitted electronically
- The link needed to access the “No Bloom” Report will be made available to you before you begin monitoring in July.
  - It will look something like this: 

### Cayuga Lake No-Bloom Report

Complete this form following weekly shoreline survey only if no bloom is observed.

\* Required

Name of HABs Harrier \*

Your answer

Waterbody Name \*

Your answer

Zone Number \*

Your answer

Date the Zone Survey was Completed \*

Date

mm/dd/yyyy

Time the Zone Survey was Completed \*

Time

: AM

Observations

Your answer

**SUBMIT**

Never submit passwords through Google Forms.



# CSI SHORELINE SURVEY FORM AND CHAIN OF CUSTODY

- The CSI Shoreline Survey Form/Chain of Custody should be filled out every time a bloom sample is collected.
- Please be sure to follow directions and complete each field.

## Volunteer

Suspicious Algal Bloom Sample Tracking Sheet



Lab Code: \_\_\_\_\_

Community Science Institute

Volunteer Partnerships

Watershed Science

www.communityscience.org

Online Public Database

### Cayuga Lake Shoreline Survey Form and Certified Lab Chain of Custody

Suspicious Bloom Sampling and Tracking Procedure: A) Take at least two pictures of bloom: one close up to show bloom composition, one from far away to show bloom extent. Email pictures to [habshotline@gmail.com](mailto:habshotline@gmail.com). B) Collect sample in provided container or a glass substitute. Wear Gloves! Label with sample collector's name, zone#, GPS coordinates, date, time. C) Complete this chain-of-custody document for each sample. Information must match the information on the corresponding sample bottle and photos.

Name and email of person who collected bloom sample: \_\_\_\_\_

Name and email of person who observed bloom (if different): \_\_\_\_\_

Cayuga Lake quadrant and zone number where bloom was collected: \_\_\_\_\_

Exact Location of Bloom

1.) GPS Coordinates \_\_\_\_\_

2.) Nearest Address \_\_\_\_\_

3.) Nearby Landmarks \_\_\_\_\_

Date that bloom was collected: \_\_\_\_\_

Time that bloom was collected: \_\_\_\_\_

Date that bloom sample was observed: \_\_\_\_\_

Time that bloom sample was observed: \_\_\_\_\_

Bloom Extent:

- ☐ Small Localized (few properties)  
☐ Large Localized (many properties)  
☐ Widespread

Bloom pictures have been emailed to [habshotline@gmail.com](mailto:habshotline@gmail.com) with the subject line: **CYNOBACTERIA BLOOM PICTURES \*zone#\* \*GPS coordinates/landmarks\* \*date\* \*time\* EXP. CYNOBACTERIA BLOOM PICTURES, zone 5, 42.6761 -76.7189, 8/23/18, 1330**

Sample Preservation for toxin testing (check all that apply)

☐ On ice

☐ If no ice is available, drive to CSI lab immediately to prevent deterioration

☐ Refrigerate if sample is collected after business hours

### Chain of Custody Documentation

	Date	Time	Relinquished by	Accepted by	# Containers	Temp upon receipt
1.	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____

Go to [www.database.communityscience.org](http://www.database.communityscience.org) or [www.communityscience.org](http://www.communityscience.org) to see test results and confirmed bloom locations.

283 Langmuir Lab/Ste 1044 95 Brown Road, Ithaca NY 14850 Voice/Fax: 607.257.6606  
Certified Water Testing NYSDOH-ELAP #11790 EPA Lab Code NY01518  
Stephen Penningroth Executive Director <[info@communityscience.org](mailto:info@communityscience.org)>



### Cayuga Lake Shoreline Survey Form and Certified Lab Chain of Custody

Suspicious Bloom Sampling and Tracking Procedure: A) Take at least two pictures of bloom: one close up to show bloom composition, one from far away to show bloom extent. Email pictures to [habshotline@gmail.com](mailto:habshotline@gmail.com). B) Collect sample in provided container or a glass substitute. Wear Gloves! Label with sample collector's name, zone#, GPS coordinates, date, time. C) Complete this chain-of-custody document for each sample. Information must match the information on the corresponding sample bottle and photos.

Name and email of person who collected bloom sample: \_\_\_\_\_

Name and email of person who observed bloom (if different): \_\_\_\_\_

Cayuga Lake quadrant and zone number where bloom was collected: \_\_\_\_\_

#### Exact Location of Bloom

1.) GPS Coordinates \_\_\_\_\_

2.) Nearest Address \_\_\_\_\_

3.) Nearby Landmarks \_\_\_\_\_

Date that bloom was collected: \_\_\_\_\_ Time that bloom was collected: \_\_\_\_\_

Date that bloom sample was observed: \_\_\_\_\_ Time that bloom sample was observed: \_\_\_\_\_

#### Bloom Extent:

- ☐ Small Localized (few properties)  
☐ Large Localized (many properties)  
☐ Widespread

☐ Bloom pictures have been emailed to [habshotline@gmail.com](mailto:habshotline@gmail.com) with the subject line: **CYNOBACTERIA BLOOM PICTURES \*zone#\* \*GPS coordinates/landmarks\* \*date\* \*time\* EXP. CYNOBACTERIA BLOOM PICTURES, zone 5, 42.6761 -76.7189, 8/23/18, 1330**

Sample Preservation for toxin testing (check all that apply) ☐ On ice ☐ If no ice is available, drive to CSI lab immediately to prevent deterioration ☐ Refrigerate if sample is collected after business hours

#### Chain of Custody Documentation

	Date	Time	Relinquished by	Accepted by	# Containers	Temp upon receipt
1.	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____

Go to [www.database.communityscience.org](http://www.database.communityscience.org) or [www.communityscience.org](http://www.communityscience.org) to see test results and confirmed bloom locations.

Directions

Observer and Sampler Information

Bloom Information

Sample Preservation Information

Chain of Custody

# EMAILING BLOOM PICTURES

- Take at least two pictures of bloom:
  - One close up to show bloom composition
  - One from far away to show bloom extent
- Email pictures of bloom and a picture of the completed CSI Shoreline Survey Form/Chain of Custody to [habshotline@gmail.com](mailto:habshotline@gmail.com) as soon as possible.
- Format the subject line of the email containing the bloom pictures and form as follows:
  - CYANOBACTERIA BLOOM PICTURES \*zone#\* \*GPS Coordinates/landmarks\* \*date\* \*time\*
  - **Example:** CYANOBACTERIA BLOOM PICTURES, zone 3408, 42.6761 -76.7189, 8/23/18, 1330



# EMAILING BLOOM PICTURES



Volunteer  
Suspectious Algal Bloom Sample Tracking Sheet

Community Science Institute  
www.communityscience.org  
Volunteer Partnerships Watershed Science Online Public Database

Cayuga Lake Shoreline Survey Form and Certified Lab Chain of Custody

Suspicious Bloom Sampling and Tracking Procedure: A) Take at least two pictures of bloom: one close up to show bloom composition, one from far away to show bloom extent. Email pictures to [habshotline@gmail.com](mailto:habshotline@gmail.com). B) Collect sample in provided container or a glass substitute. Wear Gloves! Label with sample collector's name, zone#, GPS coordinates, date, time. C) Complete this chain-of-custody document for each sample. Information must match the information on the corresponding sample bottle and photos.

Name and email of person who collected bloom sample: Harriet Bloomington [habshotline@gmail.com](mailto:habshotline@gmail.com)

Name and email of person who observed bloom (if different): \_\_\_\_\_

Cayuga Lake quadrant and zone number where bloom was collected: Northwest 3404

Exact Location of Bloom

1.) GPS Coordinates 42.6761 -76.7189

2.) Nearest Address 7123 Wyers Point Beach Rd. Oud, NY

3.) Nearby Landmarks South of Wyers Point

Date that bloom was collected: 8/23/18

Date that bloom sample was observed: 8/23/18

Time that bloom was collected: 1330

Time that bloom sample was observed: 1315

Bloom Extent:

☐ Small Localized (few properties)

☒ Large Localized (many properties)

☐ Widespread

Sample Preservation for toxin testing (check all that apply): ☒ On ice ☐ If no ice is available, drive to CSI lab immediately to prevent deterioration ☐ Refrigerate if sample is collected after business hours

Bloom pictures have been emailed to [habshotline@gmail.com](mailto:habshotline@gmail.com) with the subject line: CYANOBACTERIA BLOOM PICTURES "zone#" "GPS coordinates/landmarks" "date" "time" EXP. CYANOBACTERIA BLOOM PICTURES, zone 5, 42.6761-76.7189, 8/23/18, 1330

Chain of Custody Documentation

Date	Time	Relinquished by	Accepted by	# Containers	Temp upon receipt
1. _____	_____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____	_____

Go to [www.database.communityscience.org](http://www.database.communityscience.org) or [www.communityscience.org](http://www.communityscience.org) to see test results and confirmed bloom locations.

283 Langmuir Lab/Site 1044 95 Brown Road, Ithaca NY 14850 Voice/Fax 607 257 6606  
Certified Water Testing NYSDOH-ELAP #11790 EPA Lab Code NY01518  
Stephen Penningroth Executive Director [info@communityscience.org](mailto:info@communityscience.org)

CYANOBACTERIA BLOOM PICTURES, zone 3408, 42.6761 -76. 7189, 8/23/18, 1330

[habshotline@gmail.com](mailto:habshotline@gmail.com)

CYANOBACTERIA BLOOM PICTURES, zone 3408, 42.6761 -76. 7189, 8/23/18, 1330

Details or further comments can go in the body of the email.

--  
**Claire Weston**  
Outreach Coordinator  
Community Science Institute  
[claire.weston@communityscience.org](mailto:claire.weston@communityscience.org)  
607-257-6606

Community Science Institute  
Water Quality Testing Lab  
NYSDOH-ELAP #11790  
<http://communityscience.org>  
607-257-6606  
[Like us on Facebook](#)

CYANOBACTERIA BLOOM PIC CloseUp\_zone 34... (336K) x

CYANOBACTERIA BLOOM PIC Wide\_zone 3408\_... (250K) x

SHORELINE SURVEY FORM\_zone 3408\_42.6761 ... (1,734K) x

Sans Serif | T | B | I | U | A | | | | | | | | | | | |

Send

A

\$

Saved





# BLOOM SAMPLE DROP-OFF

- CSI address: 283 Langmuir Lab, 95 Brown Rd, Ithaca, NY
- CSI hours: Monday – Friday, 9:00 AM – 5:00 PM
- **If possible samples should be dropped off between 9:00 AM and 4:00 PM on Monday**
- **Weekend and after hours drop-off location** →

*Figure 1) HABs sample drop-off location for the weekend and after normal business hours*



Map to drop-off location: Follow the blue arrow to the drop-off location marked by the green star. The cooler will be inside the fenced structure (see right).

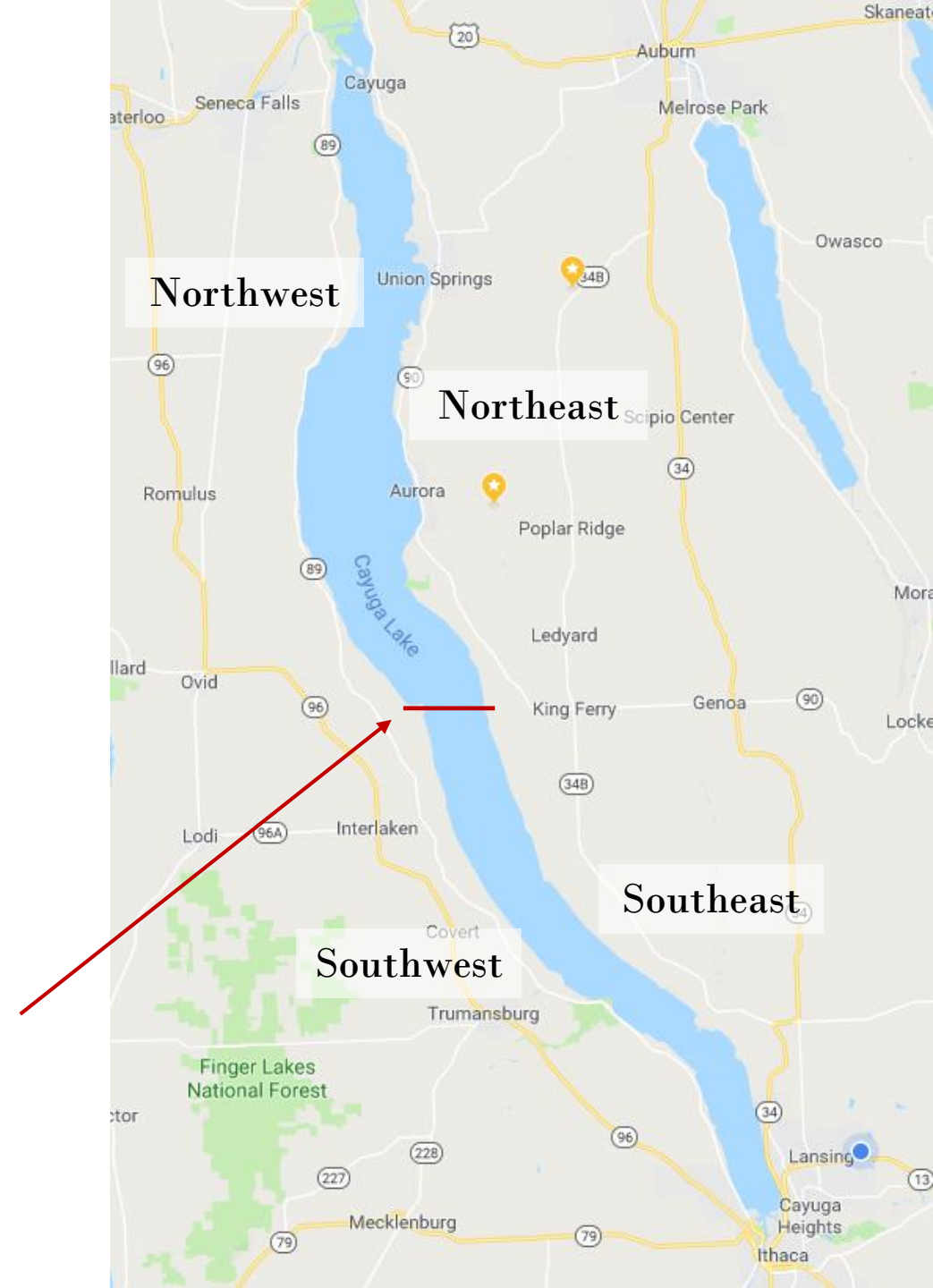


Fenced structure with cooler: The door to the structure will be unlocked. Please close the door after depositing the sample.



# HOTLINE PROCESS

- On days that are not part of your weekly survey you may be called on by your Quadrant Leader to investigate a suspicious bloom reported by a member of the public through the hotline system.
- Introduction of Quadrant Leaders
  - Northwest – Bill Ebert
  - Northeast - ?
  - Southwest – Andy Yale
  - Southeast – Steve Knapp
- Divide between northern and southern quadrants is Sheldrake Point and Elmwood Point.



# HOTLINE PROCESS



Hotline Report is submitted to  
[habshotline@gmail.com](mailto:habshotline@gmail.com)

CSI, CLWN, DCL and all quadrant leaders  
receive email notification.

Depending on the location of the reported  
bloom, the appropriate quadrant leader  
will contact the appropriate HABs Harrier  
via phone and email.

Available HABs Harrier will go to the site of  
reported bloom to investigate and collect a  
sample.

HABs Harrier will transport sample and  
completed Shoreline Survey Form/Chain of  
Custody to CSI lab ASAP.



# REPORTING RESULTS

- Results will be reported on TWO platforms.
  - [www.database.communityscience.org](http://www.database.communityscience.org)
  - [www.communityscience.org](http://www.communityscience.org)
- The CSI Website reporting page will include:
  - A bloom location map
  - A table of bloom information including: location information and results
  - Bloom pictures
  - Resources
- CSI and SUNY-ESF results will be reported when they become available
- Blooms that are interpreted as “Confirmed” and “Confirmed with High Toxins” by DEC will be labeled as such on the CSI website and database as soon as this information becomes available.



# GETTING PERMISSION

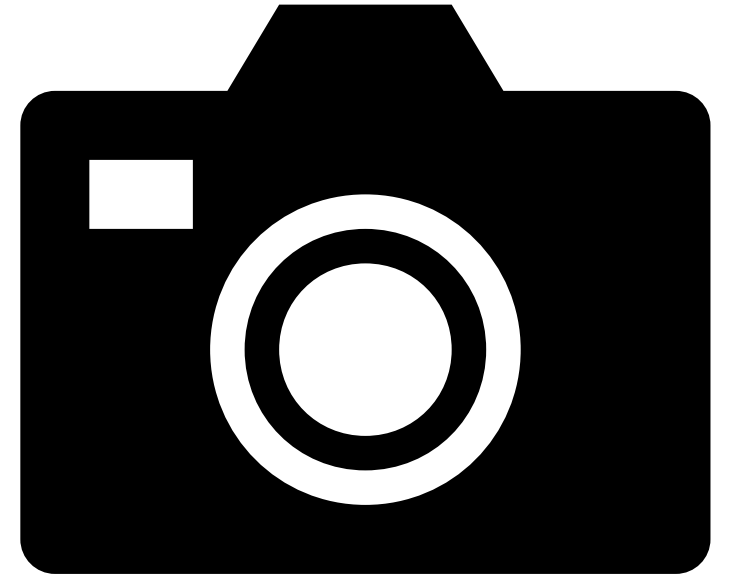


- Please do not walk on shoreline that is not public or your private property.
- If you are willing, we encourage you to speak to your neighbors to get permission to survey their section of shoreline.
  - In speaking with your neighbors you will not only secure a sizeable monitoring zone, but you will also play a significant part in informing and educating the community about HABs and the threat they pose to Cayuga Lake.



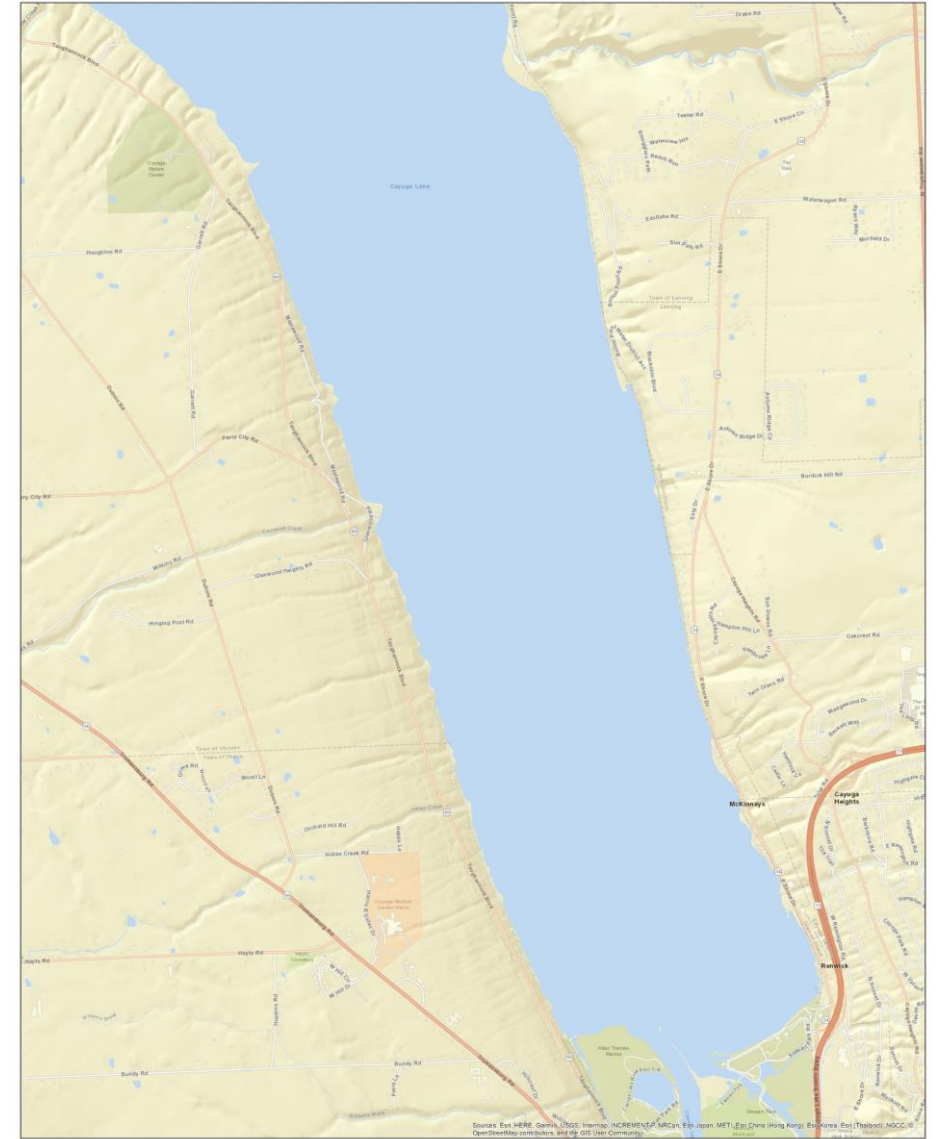
# BASELINE PHOTOS

- After you've received your zone number, please survey your zone and take pictures. These will serve as baseline photos that can be used for comparison during the HABs season.
- Email baseline photos to [claire.weston@communityscience.org](mailto:claire.weston@communityscience.org) with the subject line: **BASELINE PHOTOS, \*Zone #\***
  - Example: BASELINE PHOTOS, Zone 3408
- **Please email photos by July 7th**



# ZONE DESIGNATION AND MATERIALS HANDOUT

- We have printed 5 maps focusing in on five portions of Cayuga Lake. Before you leave please visit the table at the back so that we can help you designate your zone.
- Soon after the last training we will inform you of your four digit zone number.





# DRAGON BOAT FUNDRAISER!

- CSI staff and friends will be competing this year in the Finger Lakes International Dragon Boat Festival to raise money for the Cayuga Lake HABs monitoring program. Please consider supporting us in this fun (but important!) endeavor!

