



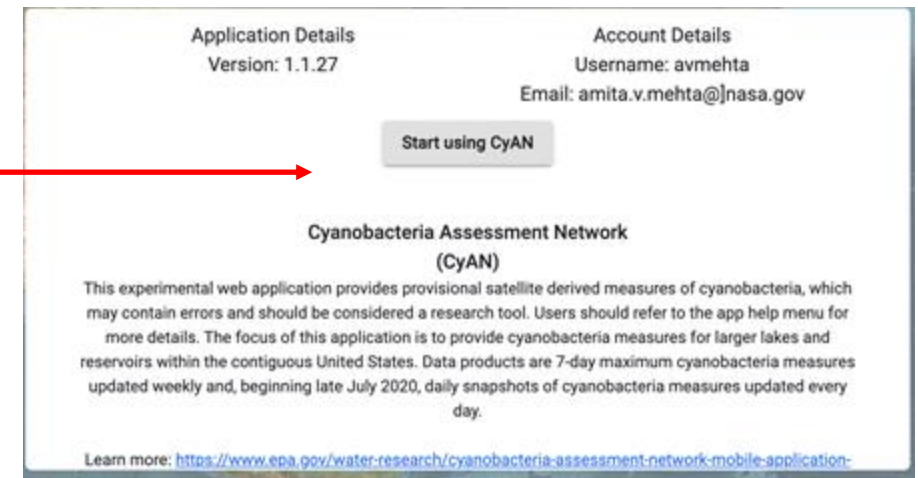
Monitoring Harmful Algal Bloom Indicators for Aquaculture using NASA Remote Sensing Observations – Aquaculture 2025 Meeting

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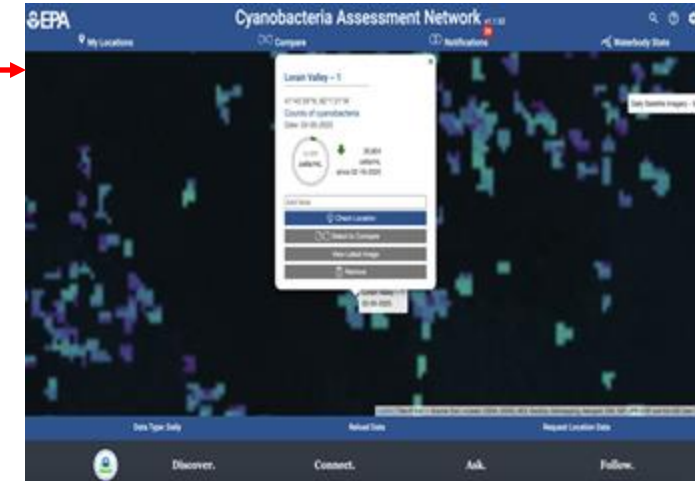
Explore CyANWeb

- Go to <https://qed.epa.gov/cyanweb>
- Register to the CyANWeb using username, email address, and password.
- Once you register, you will be able to login and start using CyAN.



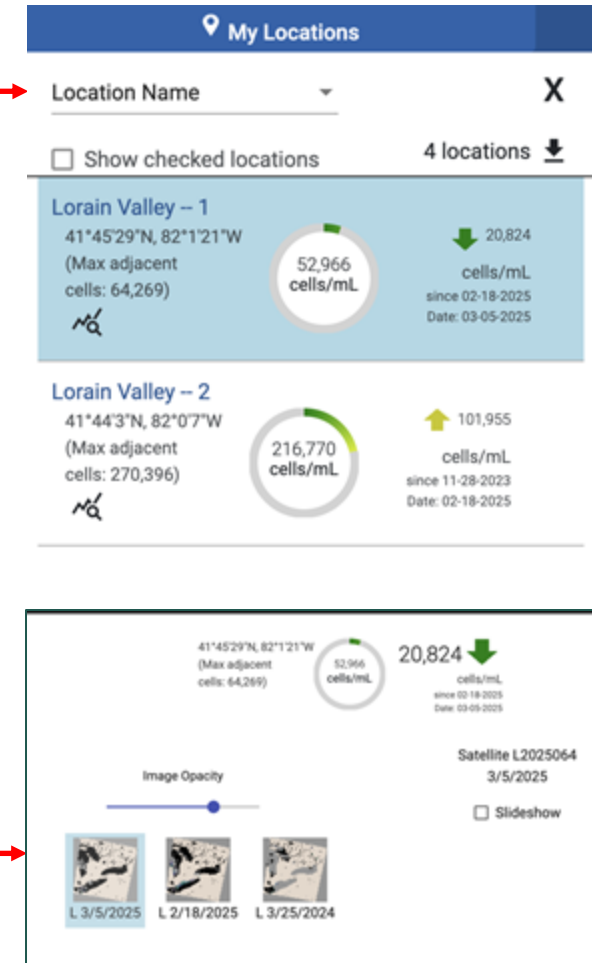
Select a Lake and Examine Cyanobacteria Count

- Zoom on the map and click on western Lake Erie. →
- You will see a window with the name of the location, coordinates, date, and counts of cyanobacteria.
- Make a note of this information for the location you selected.
- Now close the window by clicking on the 'X' at the top right. You will see a marker on the map.
- Which color is the marker? Click on  in the top right corner of the window to see the cyanobacteria condition at this location.



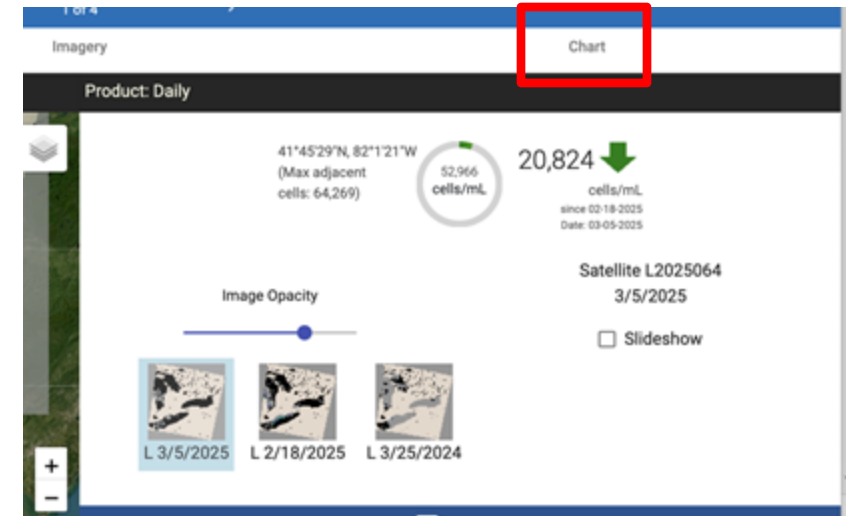
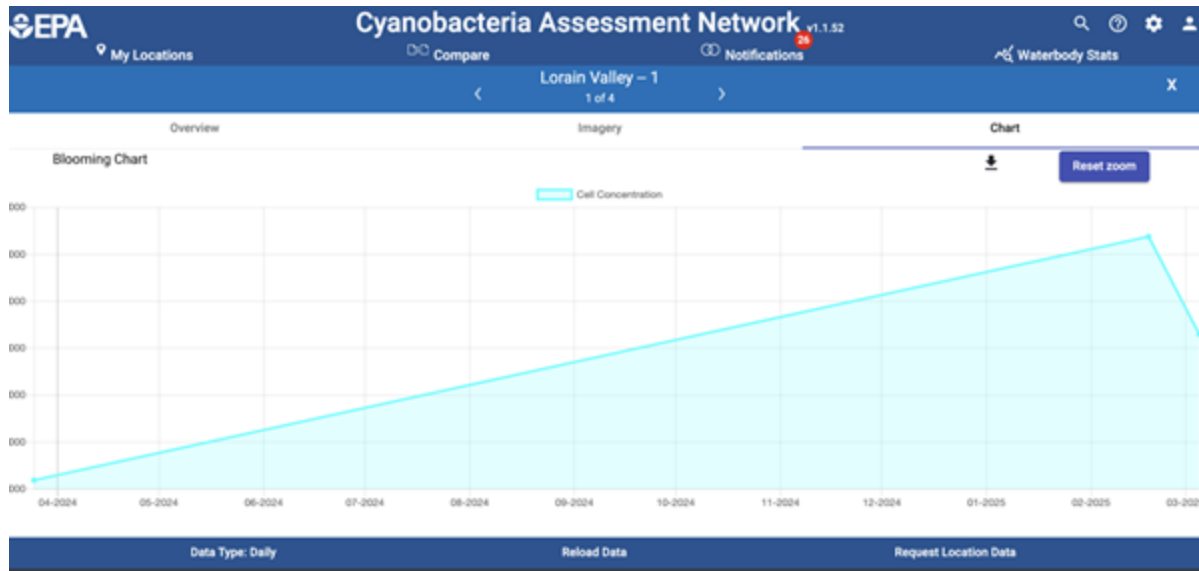
Examine Satellite Images and Changes in Cyanobacteria Counts

- Go to **My Location** on the top left.
- Click on the **location** box.
- You will see a series of satellite images.
- Examine the images by clicking on them one by one and see how the cyanobacteria counts change.



Examine Time Series of Cyanobacteria Counts

- Click on “Chart” at the top right.
- You will see a time series of cyanobacteria counts.
- You can click on the Download Arrow and save the chart on your computer.



Exercise

- Repeat this entire exercise for a lake of your choice.



Thank You!