bloomWatch! Monitoring Cyanobacteria Blooms with a Smartphone

Jasper Hobbs, NEIWPCC

bloomWatch!

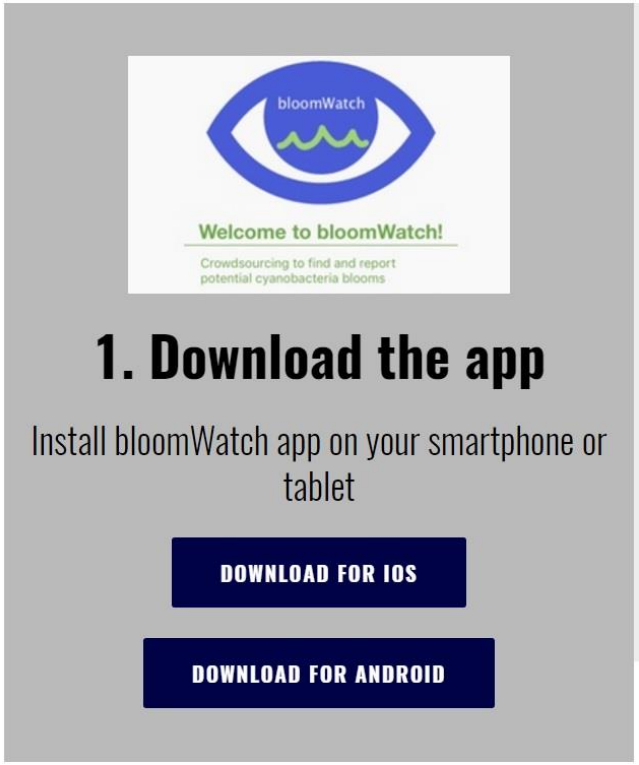
- bloomWatch enables citizen scientists to help document potentially harmful blooms by submitting a photograph and other information from a smartphone or tablet. The app can report geographical location automatically and anyone can view observations submitted through the app in multiple ways, including a map view, on CitSci.org.

Why Create an App?

- An increase in blooms has strained State resources.
- Citizen groups wanted help tracking blooms.
- bloomWatch was developed with the help of NEIWPCC's HAB Workgroup and the CMC.
- This app uses crowdsourcing to find and report potential HABs.

Using the App

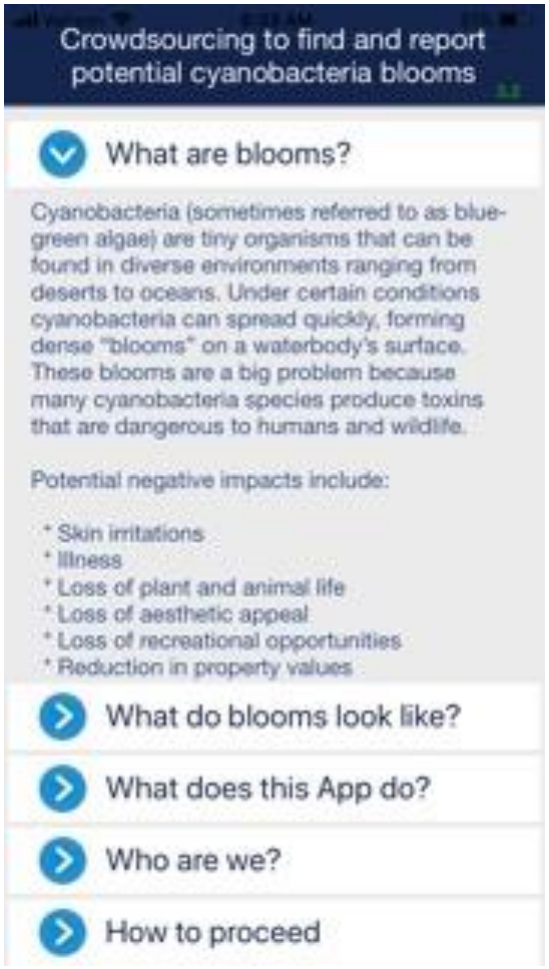
- Download the app for iOS and Android
- Available in the Apple App Store
- Available in the Google Play Store
- It's Free!!!



Using the App

Using the App

- The ‘About’ tab offers general information on blooms, the app, and the CMC



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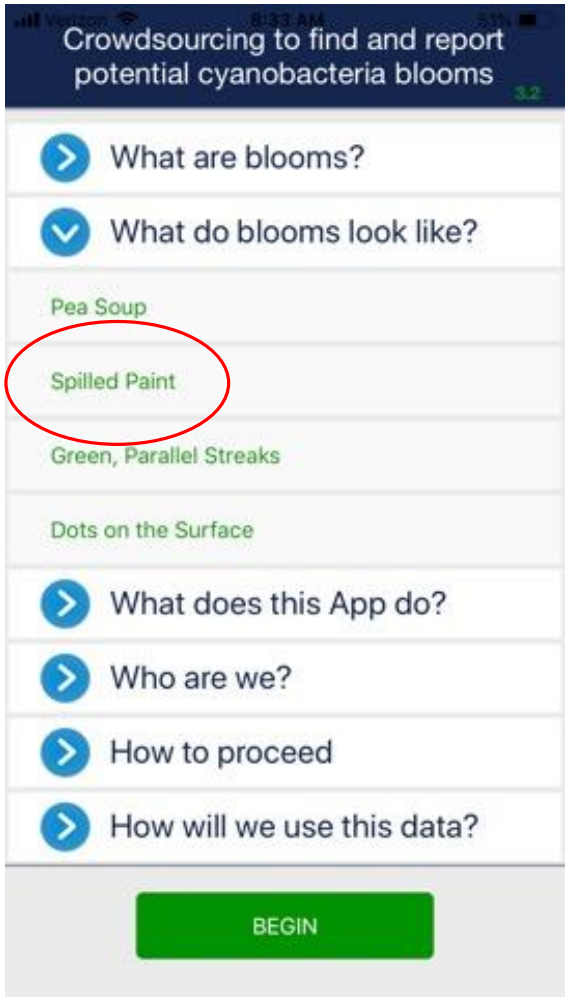

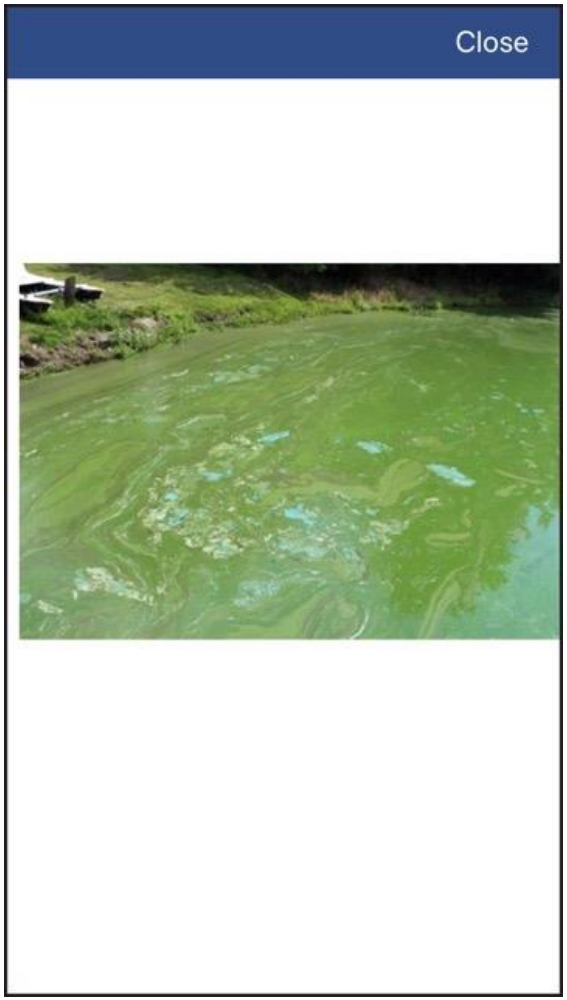

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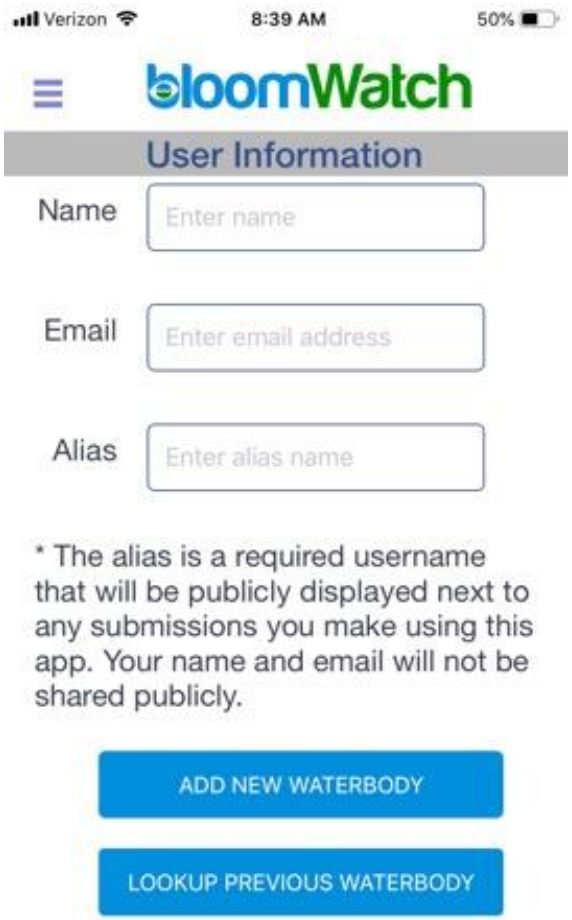

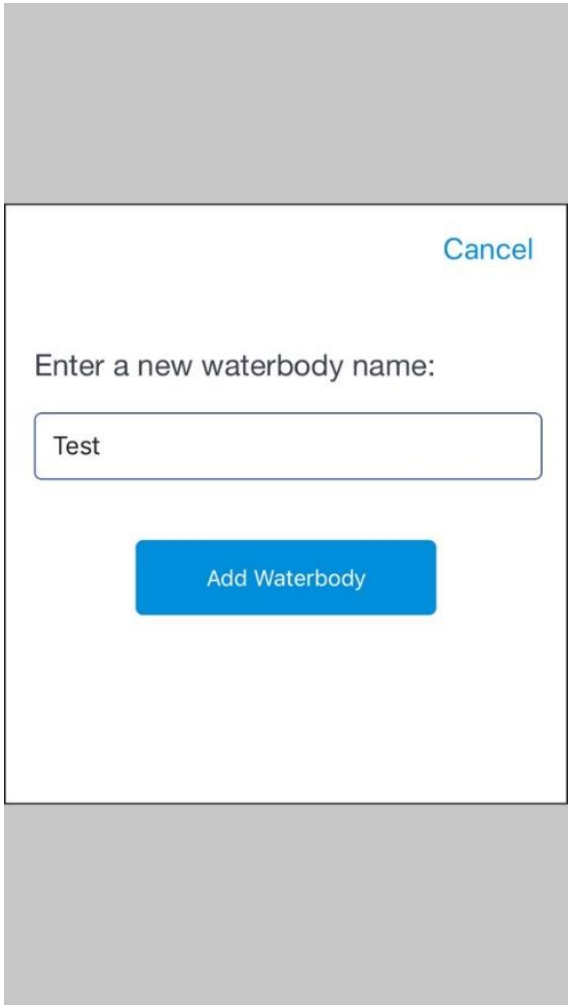

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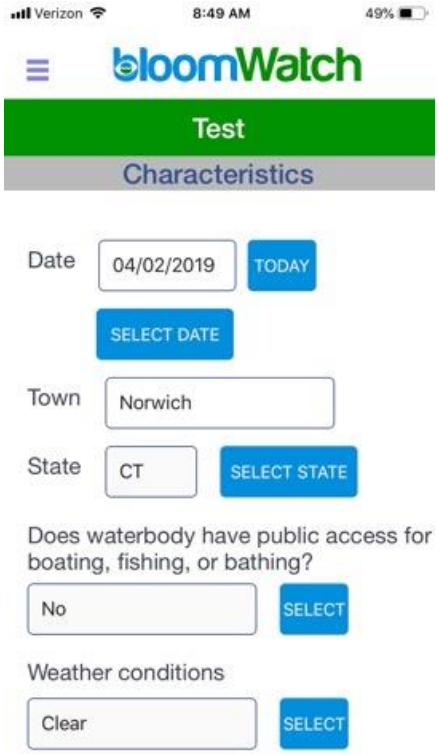

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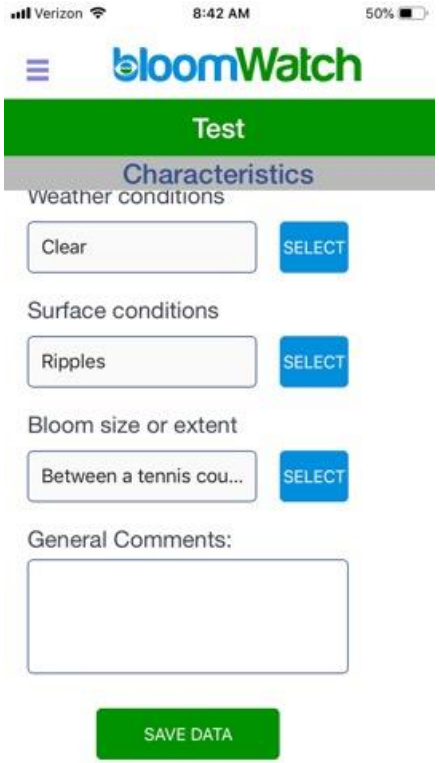

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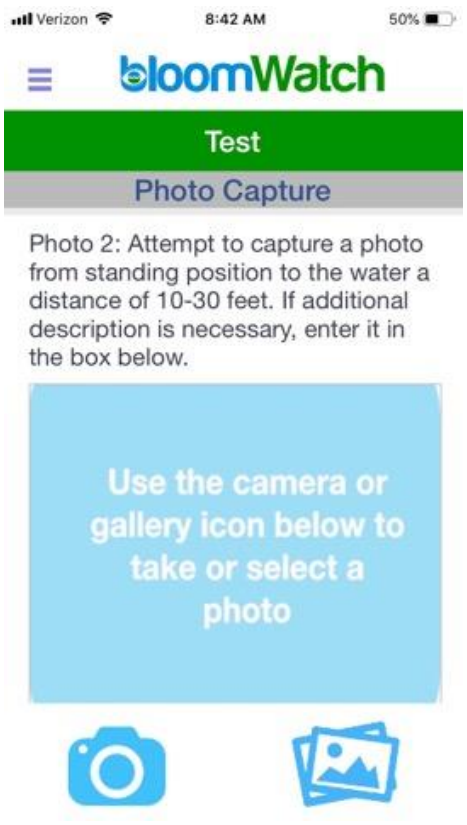

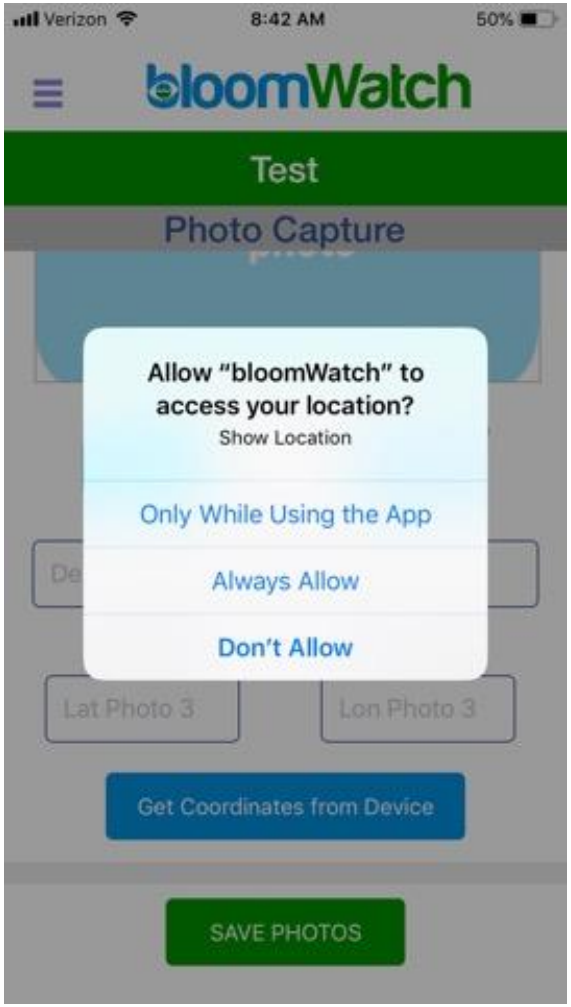
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bloomWatch
Test
Photo Capture
Allow "bloomWatch" to access your location?
Show Location
Only While Using the App
Always Allow
Don't Allow
Lat Photo 3
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Get Coordinates from Device
SAVE PHOTOS


Verizon
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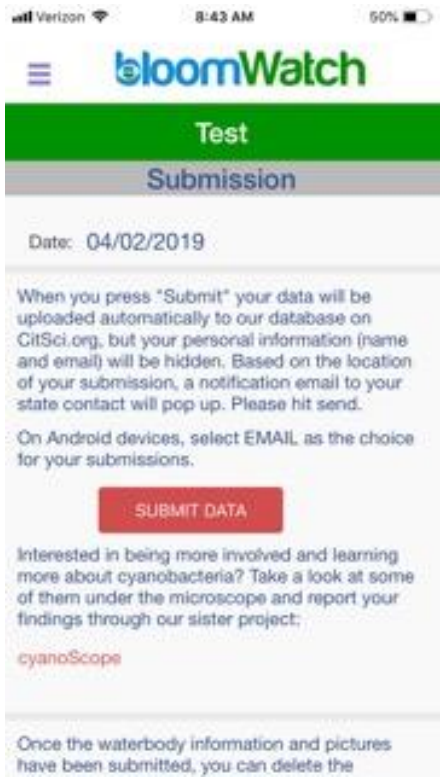

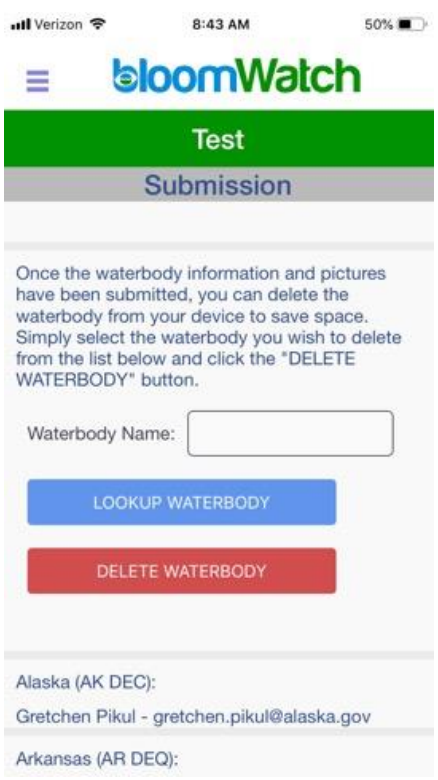

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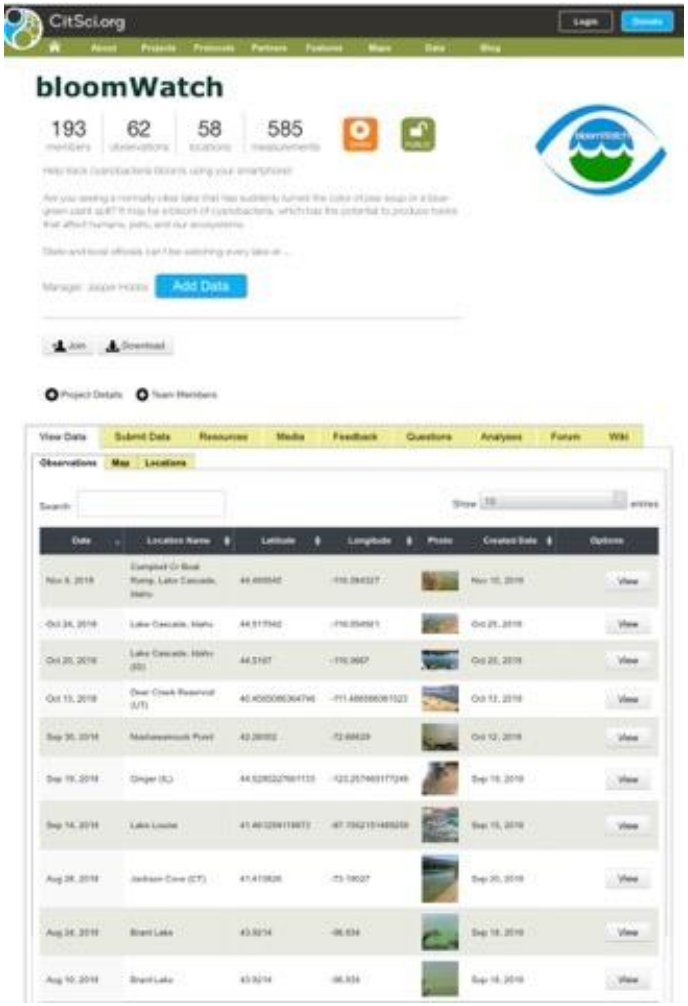
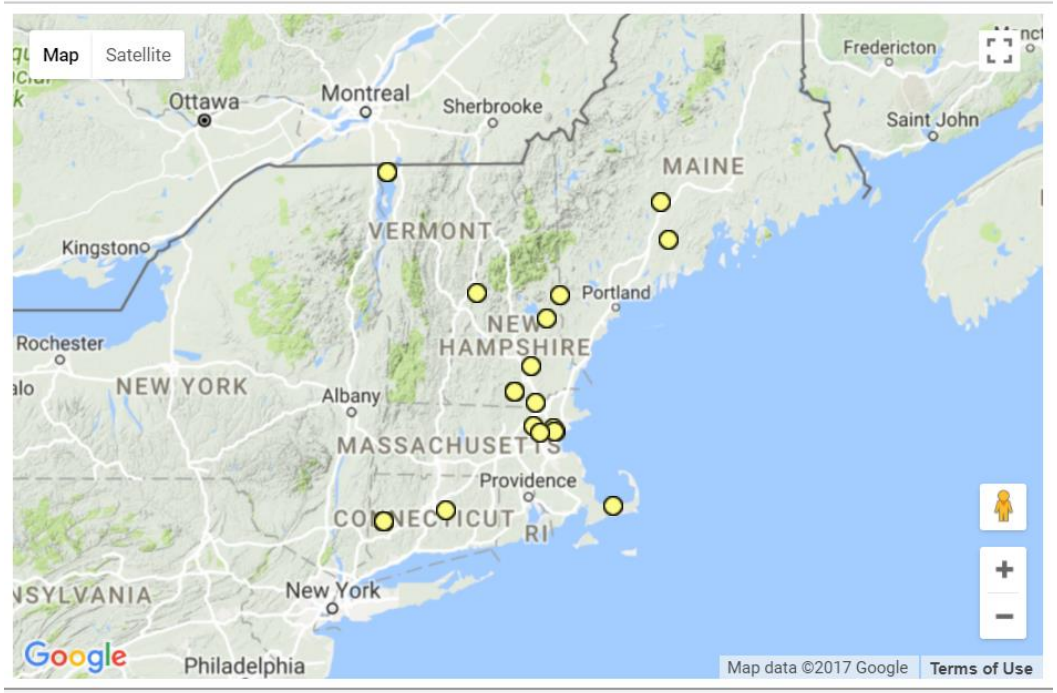
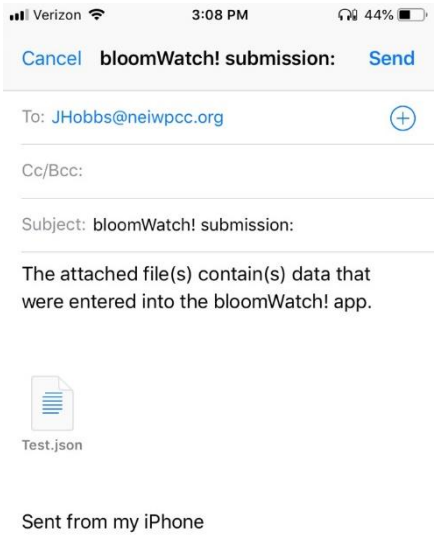




Benefits

- When you submit, an option to email NEIWPCC will appear.
- NEIWPCC informs the State Contact.
- bloomWatch acts as an additional resource for States.



Benefits

- State Benefits:
  - State contact is notified of a potential bloom.
  - Notifications may come from unmonitored areas.

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