

# Water Sampling: Protocol

Contact: [SERC-CWWLab@si.edu](mailto:SERC-CWWLab@si.edu) or 443-333-9217

## Overview:

Surface water samples are taken in the project to observe properties of the water which will help us understand satellite images. It's also used to validate turbidity data collected from the HydroColor app.

## Materials:

An empty, clean container (a used plastic water bottle works great) and a marker. Don't use a bottle that has held anything other than water.

## Protocol:

**STEP 01**



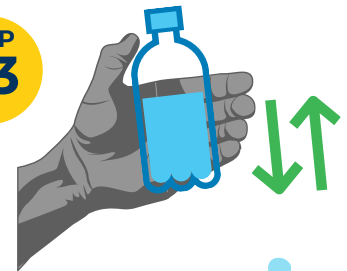
Start with an empty clean container. This can be a used drinking water bottle or sampling bottle provided by the project.

**STEP 02**

Submerge the bottle with the mouth just below the water surface. Fill it with about half a cup of water.



**STEP 03**



**Cap, shake, repeat!**

Take the bottle out of the water, cap it, shake the bottle to rinse, and empty water out. Repeat this procedure two more times.

**STEP 04**

Submerge the bottle once more just below the water surface and let it fill completely. Secure the cap tightly.



**STEP 05**

May 24, 2022,  
10am,  
JD, Rhode River



**Label your bottle.**

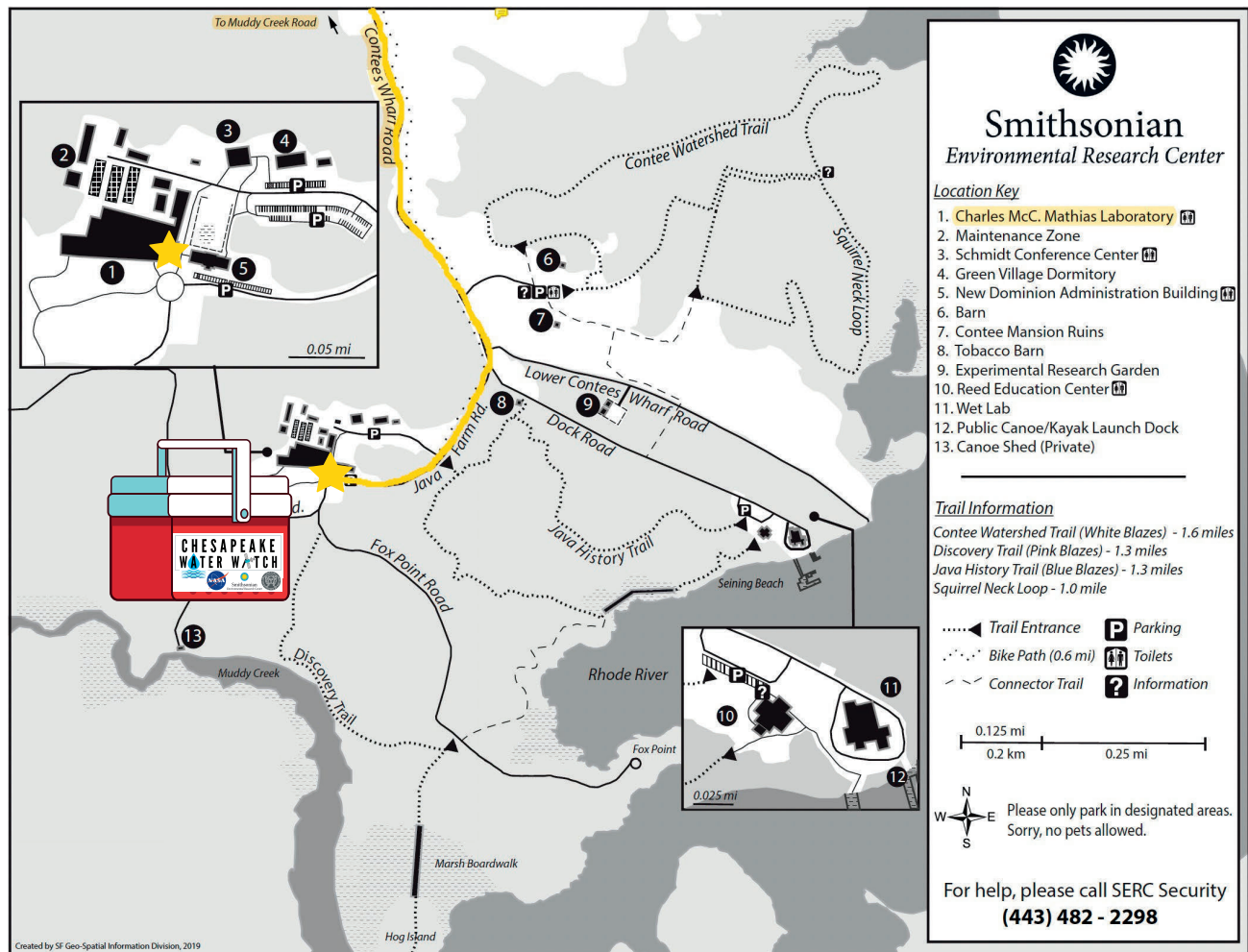
Date, time, your initials, and location should be written on bottle.

## Water Sampling: Drop-Off

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### STEP 06

Please return samples to SERC the same day they were collected. You should transport samples in a cool, dark place like a bookbag. You can place them in the mini cooler in the Charles Mathias Lab main entrance. See the SERC campus map below to see where the coolers are located with the yellow star. Don't forget to scan the QR code on the cooler to let us know it's been delivered!



### STEP 07

Enter HydroColor data and sample data on the Fieldscope site at [serc.fieldscope.org](http://serc.fieldscope.org)

