

Spring Sampling Kit Datasheet

Only use this datasheet if you have received a sampling kit. If you do not have a sampling kit, use the [Spring Observer Datasheet](#).

Instructions

1. Download the CitSci mobile app. Navigate to the project and datasheet BEFORE you visit your site in case the wifi signal is weak at the spring site.
2. With your kit, visit the spring(s) you discussed with the project team.
3. Take photo(s) of the spring.
4. Answer the questions about the spring below.
5. Fill a test tube with 50 ml of water from the spring and conduct pH and alkalinity tests of the spring water.
6. Collect sediment & microbial biomass from the spring according to the instructions below.
7. Collect multiple 50ml tubes of sediment and different colors and areas of microbes downstream from the spring (as discussed with the science team).

Observation Date ^{*}

2025/03/16 03:36 PM

Observer ^{*}

James H

Location

Select Location

OR

Add New Location To Your List

Name

Location name

Latitude

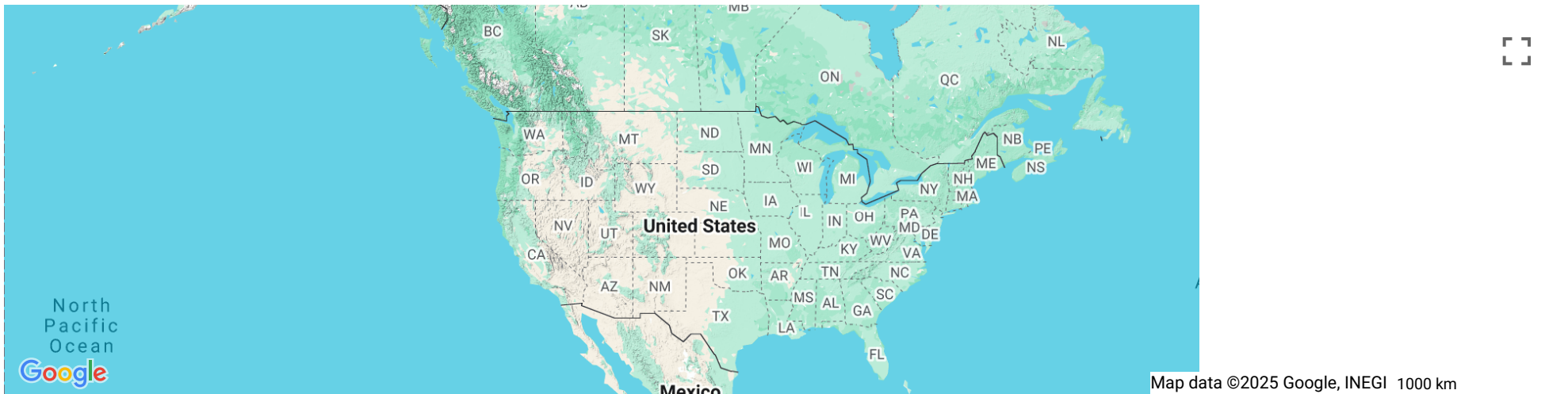
Latitude

Longitude

Longitude

Address, City, Landmark

SEARCH



Add a photo of the spring.

PRESS HERE TO CHOOSE IMAGE FILE

If you'd like to add more than one photo, click on the “duplicate” button to the right as many times as you need to and add more photos.

What is your current opinion of microbes? ^{*}

- Please Select -

Physical and Chemical Characteristics of the Spring

What is the temperature (when you touch it) of the spring you observed?

- Please Select -

Are there bubbles?

- Please Select -

What does the spring smell like?

- Please Select -

If you chose Other in this Question, describe the smell you observed.

What is the temperature of the water?

Place the thermometer in your sampling kit in the water about 4 inches deep. Wait for the temperature to stabilize (approx 2 min) before taking a reading. Record in degrees Centigrade.

What is the pH of the water?

Fill the test tube with 50ml of water. Dip pH strip into water and remove immediately. Hold strip level for 15 seconds (do not shake excess water from strip). Compare the test strip pad(s) to the color chart on label to determine the pH value.

Add a photo of your pH strip held up against the color scale.

PRESS HERE TO CHOOSE IMAGE FILE

This is an important data validation step!

What is the alkalinity of the water?

Fill the test tube with 50ml of water. Dip alkalinity strip into water and remove immediately. Hold strip level for 15 seconds (do not shake excess water from strip). Compare the test strip pad(s) to the color chart on label to determine the alkalinity value.

Add a photo of your alkalinity strip held up against the color scale.

PRESS HERE TO CHOOSE IMAGE FILE

This is an important data validation step!

Biology of the Spring

Describe the form, texture, and color of algae or microbial substances you observe in or around the spring?

Additional Data

Who owns the land where this spring is located?

- Please Select -

Only report private land spring information if you have permission from the land owner to do so

Can we contact you with follow-up questions about your observation?

- Please Select -

Have you or anyone you know conducted water chemistry tests on the spring?

- Please Select -