



The Y-CITYSCI: A Youth-Led Citizen Science Network for Community Environmental Assessment is sharing information with you about citizen science apps that you can use at home. With citizen science, the public can have fun collecting data in their community while contributing to scientific research.

## Flood Inundation Mapper



Flood Inundation Mapper is a U.S. Geological Survey program allowing users to see real-time water levels and flooding. The program can also display maps with historical floods and floods of various conditions so members of the community can appropriately plan for their safety as well as learn about how a flood may impact them. Is your community in a floodplain?

### How to use the site

When initially opening the program, it provides a brief welcome and disclaimers. After reading and closing this, users will see the U.S. with triangles of varying colors throughout the states. Users can zoom into the map by swiping or searching for a location. The triangles indicate stream gages, a structure that measures the water level in streams and rivers, displaying flood conditions for that stream or river. Upon selecting a stream gage, users can change the gage height and minimize the window to see where the flood would reach based on the water height users chose. Users can also choose to see historical flood levels.

### How you can get the site

To access the program, use the following links.

[Flood Inundation Mapping Program](#)

[Flood Inundation Mapper](#)

### Why using Flood Inundation Mapper is fun and important

Flood Inundation Mapper is an excellent tool to learn about flooding and how various water levels impact communities.

For more information, visit the [Flood Inundation Mapping Program website](#).

Now that you know about the Flood Inundation Mapper, **we challenge you** to use the website to find out at what water level communities around you may be impacted. Take a screenshot and describe why you might find it important. Submit your answer by messaging our Instagram account at [@YCITYSCI](#) for the chance to win a prize and your answer be featured on our page! New Flood Inundation Mapper related questions will be added to our Instagram story and page throughout the week. Respond to these questions to have a chance to win additional prizes!



Check out more Y-CITYSCI activities at [ycitysci.wordpress.com](http://ycitysci.wordpress.com) and [www.siustemcenter.org/ycitysci/](http://www.siustemcenter.org/ycitysci/)

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