



HOW TO USE: STC Regional Flood Info Mapper

Overview

Southern Tier Central Regional Planning & Development Board (STC) created this informational mapper to help communities in Chemung, Schuyler, and Steuben Counties, NY understand their flood risk and make informed land use decisions as part of a FloodSmart Communities initiative funded through . This mapper currently includes the following layer categories: FEMA-Mapped Information; Streams, Lakes, and Wetlands, Infrastructure, Soils and Slopes, Major Basins, Land Cover, Municipal Boundaries and Zoning Districts, and Past Inundation (Tropical Storm Agnes, 1972).

This map is for informational purposes only and does not represent guidance or recommendations from STC. The data in this map is intended to provide preliminary or supplemental information to support users in understanding various considerations for land use and planning in their community, particularly as they relate to flooding.

The map compiles data from a variety of sources and is subject to change as new or updated data becomes available. *Always verify data against real-time conditions and municipally available data, contact appropriate regulating bodies, and go through proper channels prior to making a decision.*

The mapper is housed in STC's GIS Hub which is accessible directly via URL (<https://stc-hub-stcgis.hub.arcgis.com/>) or by first going to stcplanning.org and selecting the "Mapping" tab, which will automatically navigate you to the Hub. Once on the Hub, scroll to the "Applications and Tools for Municipal Assistance" section and select the "STC Regional Flood Info Map". *Click on the title to navigate to the map, clicking the photo will not work.*

Once in the map, you can minimize the *Information* sidebar by hovering your cursor over the blue and white strip to expand the menu options. Click the white "More Info" button to shrink the sidebar. You can reopen this menu at any time by hovering again for the now fully blue bar and selecting your preferred option. This will open the selected menu but will not navigate you away from the map unless you select the "Manage content" menu or attempt to "View Full Details". If you accidentally click on a link that takes you off of the map, you can easily navigate back by using the back arrow on your browser.

Map Info / Using this Map

Upon loading, the map will automatically show information on the map's intent and how to use the basic functions of the map. You can **minimize** this pop up using the double arrow at the top on the pop up in the blue bar. You can **close** this pop up using the 'x' in the same blue

bar. You can also close this pop up on the bottom lefthand side of the screen by clicking the “Map Info” bubble. You can open this pop up again any time by using those buttons.

***Some screens may be too small to see the full pop up and will cut off the minimize and close symbols on the pop up. You can simply select the “Map Info” button to close the pop up or you can adjust the **zoom** to improve visibility with any of the following methods:

Keyboard only

1. Ensure you are active in the window the map is open in. *You can interact with anything in the window to be “active”.*
2. Hold the ‘ctrl’ key and click the ‘-’ key to zoom out to your desired level (**ctrl** + ‘-’)
3. To zoom back in, hold ctrl and click the ‘+’ (**ctrl** + ‘+’)

Mouse/Trackpad and Keyboard

1. Hover your cursor over the pop up. *Hovering it elsewhere on the screen may zoom on the map itself rather than the pop up.*
2. Hold ctrl and simultaneously use your **mouse wheel** to scroll down/drag two fingers down on your **trackpad** (to zoom out) until you see the minimize and close buttons.
3. If you would like to return to the regular zoom, you can hold ctrl and simultaneously scroll up on your **mouse wheel**/drag two fingers up on your **trackpad** (to zoom in) or click the magnifying glass in the address bar and select “Reset”.

Browser

1. Click the *three dots* on the upper righthand corner of your browser to open the menu.
2. Find the “Zoom” section and manually increase or decrease the zoom using the +/- buttons.

These pop ups are stationary and cannot be dragged or moved. If you need to move the pop up out of your way, use the buttons to close and open as needed.

Other Button Popups

Aside from Map Info, you can also view data sources (“Sources”), learn how to report map-related issues or outdated/missing data and flooding or other severe weather (“Report”), and access relevant resources (“Resources”). You can use the buttons to open and close these popups or the minimize and close buttons on each popup.

Layer Data Popups

When a layer or layers is visible, you can select points, lines, or shapes to highlight them on the map. Most layers have popups with more information about the selected data. For example, on the “FEMA-Mapped Information” layer, click on different flood zones to learn



what the zone means or, on the “Stream Gauges” layer (under “Infrastructure”), click a gauge to navigate to see that station’s recent data.

Map Tools

When in doubt, hover your cursor over non-labeled buttons to see what they are before clicking. This will show the button’s label.

Layers

On the far-left side of the map window, you can toggle the visibility of the available data layers by selecting the blue checkbox. Some layers will be visible upon loading the map. Layers are grouped into categories; use the arrow on the left side of each group to view the layers within that group. These layers can be individually toggled on or off, but will not show up unless the group’s visibility is toggled on. Similarly, if a group is toggled on but nothing is showing up, you may need to toggle individual layers.

Some layers will only show up at a certain level of zoom. If you have a layer toggled on but cannot see it, you may need to zoom in or out for it to become visible. Typically, you can tell by looking at your Layers or Legend tab, which will have layers greyed out if you are out of the range of visibility. You won’t be able to toggle these layers on or off until you zoom. Then, the layer can be interacted with.

When a layer is on, you can click on the “Legend” button to the right of the layer name to view it. The **Layers** tool on the right side of the screen allows you to view the same information and may be most helpful when trying to view both the layer menu (left side) and the legend.

Select the three dots to the right of the layer name for more options.

Draw Profile

While there is a slopes layer, you may find it helpful to view the ground elevation (change) using this tool.

1. Click the “**Draw**” button to initiate the tool.
2. Click where you want your start point to be on the map.
3. Create as many points as you wish to review at one time, then double-click to tell the tool you’ve finished. The tool will load an elevation profile.
4. Hover your cursor over the graph to view the elevation at a given point on the segment you drew. Hovering over the graph will show a dot in its respective location on map.
5. You can hit “Reset” to close the tool or “New profile” to draw a new segment.
6. You can export the elevation profile and change units using the buttons within that tool.



On-Map Buttons

Zoom: Use the +/- buttons to zoom in or out on the map.

Default view: Click the 'home' button to reset the view to the default map extent (all three counties).

Previous/Next Extent: Use the arrows to go back to a previous extent (level of zoom) or to return to the next extent.

Orientation: Click the compass button to reset the map's orientation if it shifts from North-facing.

Search: Click the 'magnifying glass' button to navigate to a specific location on the map. This tool is specifically to search for an address or place and cannot search other aspects of the map, such as layer data. This is helpful if you want to see what the conditions are (for a selected layer) in a particular area, e.g. "Reading, NY" or "8 Denison Parkway East, Corning".

Layers/Legend: As described above, the layers and their legends can also be viewed by clicking the "Layers" button.

Basemap: Click the "Basemap" button to open a menu of available basemaps, or the foundational/reference map, to change the type. Some layers may be less visible depending on the Basemap selected. If you've toggled on a layer but are having difficulty seeing it, try switching the Basemap.

Measure: Click the "Measure" button to activate the measuring tools. This will automatically be set to measure distance. Click on the map to draw segments to calculate distance and double-click a point on the map when you're finished to let the tool know you are done drawing. Once you begin drawing lines, you can change the unit. To instead measure area, select the other tab in the Measure tool. Once you begin drawing an area, you can change the unit. Double-click on a point on the map to let the tool know you are done drawing.

Full Screen: Clicking the "Full Screen" button will hide the tools on the sidebar and make the map fit the whole window. This will *not* actually make the map go full screen, only the window. You will still be able to see your tabs and browser search bar. You can click the button again to return the map to its set size and show the sidebar.

Overview Map: There is a small diagonal arrow on the bottom righthand corner of the map. Clicking this will open a small map that shows the broader location context of the regional flood map. Clicking the arrow again will close the overview map.



Report Map Issues or Outdated/Missing Information

This is a living map that will be revised as new or updated information becomes available, within staff capacity, and adapted to best meet the needs of users. You can help by emailing stcrpdb@stcplanning.org with feedback on data, functionality, or other map features. Please include a reference to this map in the email's subject line so your feedback can be appropriately relayed.