Quick Start Guide for the NJ-GeoWeb

NJ-GeoWeb is an interactive application for viewing, querying and analyzing both local and statewide areas of interest and environmental information.

Application Tips:

If all tool icons are not visible upon startup, it may be due to the user's screen resolution. Click the **more** icon to view the full tool list. If the layer list is not fully visible, the browsers zoom level may need to be adjusted.

To restore the map and layers from the most recent configuration, click the App State button in the bottom right corner of the app upon startup. Previous app configurations can also be shared using the Sharing Tool.

App State ✕
Click to restore the map extent and layers
visibility where you left off.
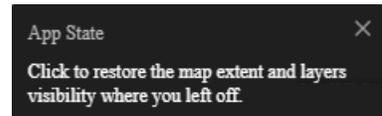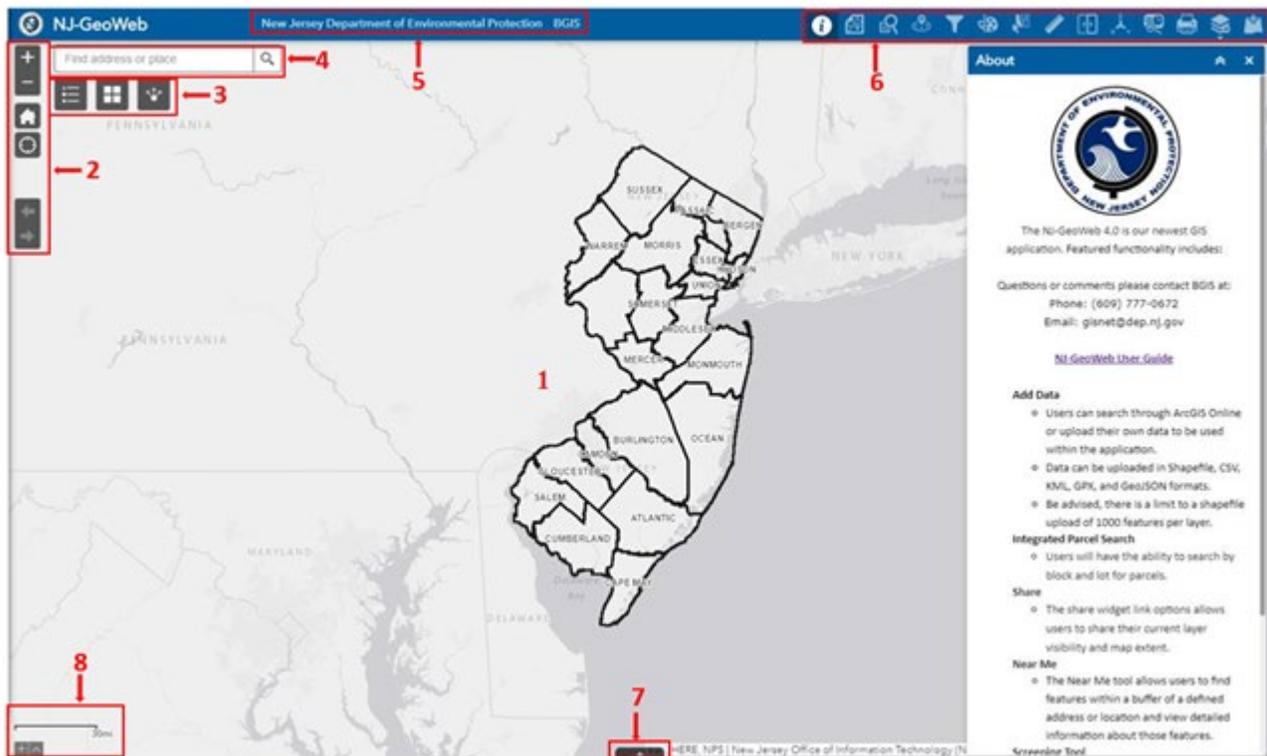
App Overview:

1. **Map Overview – Interacting with the map**

   To pan around the map, click and hold the left mouse button while moving to an area of interest.

   Use the scroll wheel on the mouse to zoom in and out of the map.

   Users can also zoom into the map by holding down the **Shift** button on the keyboard and selecting an area to zoom into. A red box will appear indicating the selected zoom area.
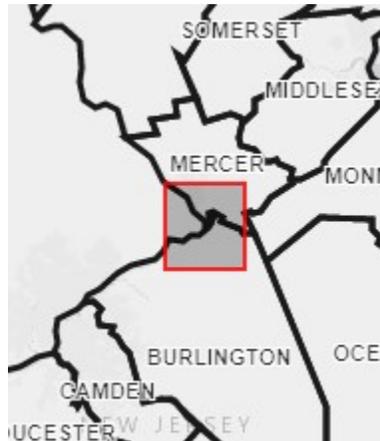
   Map Popups

   Click on features within the map to reveal a pop-up window with information about that point of interest. If features overlap, use the arrow button at the top-right of the pop-up to scan through all features. To view further related table information, users can click the related tables at the bottom of the popups.
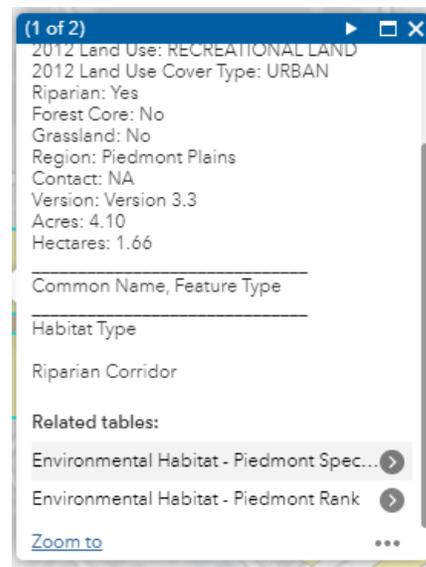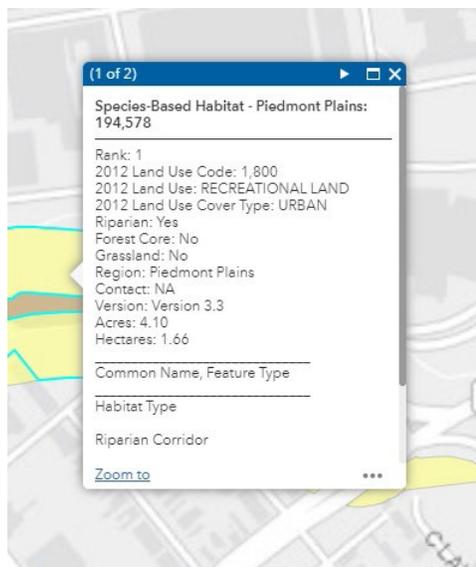
2. Map Navigation Tools

Use the tools at the upper left to navigate the interactive map.

Zoom In/Out: Zoom in and out of the map view.

Default Extent: Click this to return to the full view of New Jersey.

My Location: Allow users to zoom to current location when using a mobile device.

Extent Navigation: Allows users to navigate the map to its previous or next extent.

3. Map Information Tools

Map/Data tools can be found in the upper right corner and beneath the address search bar.

Legend: The Legend displays labels and symbols for the layers in the map. Only layers with their visibility turned on will display in the legend.

Basemap Gallery: The Basemap Gallery presents a gallery of basemaps for the user to select from.

Share: The Share tool allows the user to share an app by sending an email with a link or embedding it in a website or blog. An option to remember the layer visibility is also available. This option allows the user to share their current view of the app with another user.
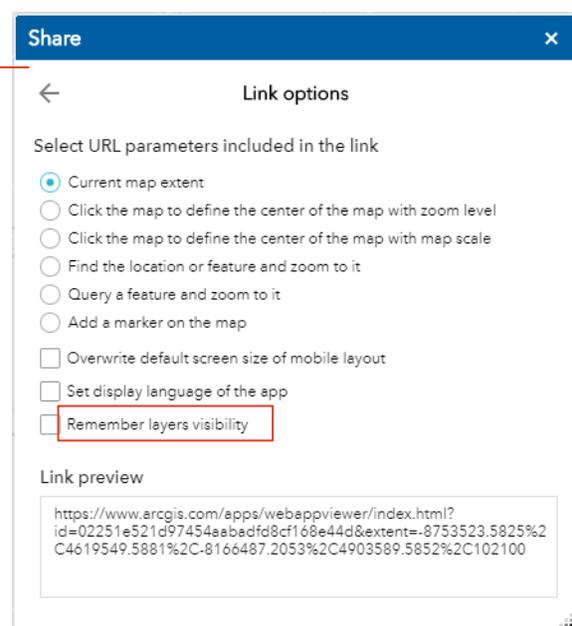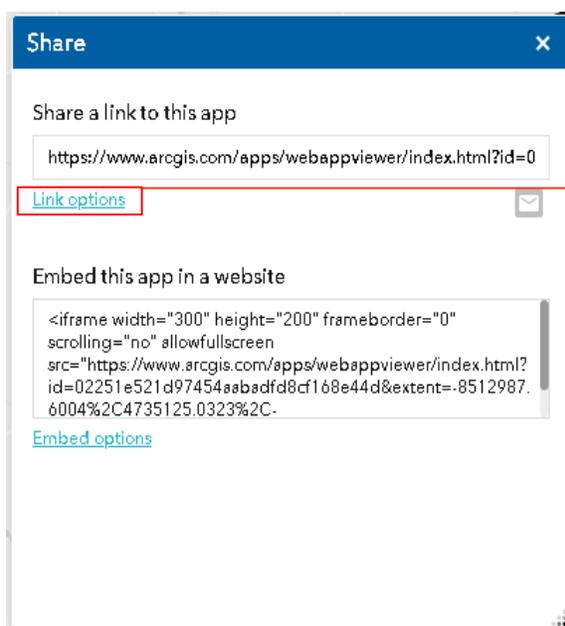
4. **Address Search**

   The Search Bar enables the user to find locations within the map. The search can find locations using names or addresses.

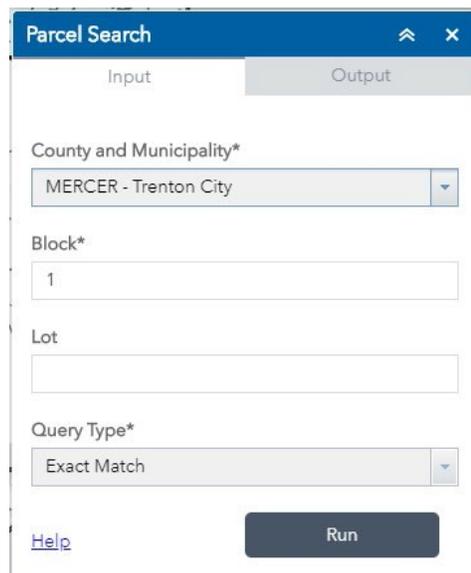 | Find address or place | 🔍 |

5. **NJDEP/BGIS Links**

   New Jersey Department of Environmental Protection   BGIS

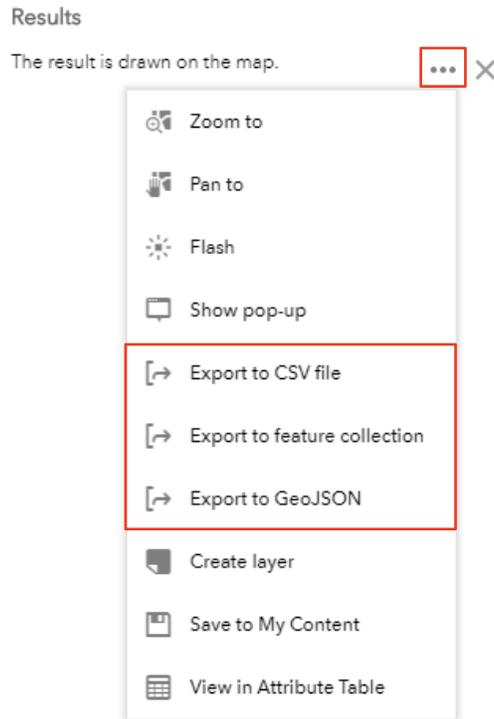   Users can find more information about the NJDEP or the Bureau of GIS by using these links.

6. **Application Tools**

   Parcel Search: Users can use the Parcel Search tool to search for parcels by County, Municipality, Block, and Lot.

   Parcel Search ⤒ ✕

   | Input | Output |

   County and Municipality*

   MERCER - Trenton City ▾

   Block*

   1

   Lot

   Query Type*

   Exact Match ▾

   Help   Run

Users can export the searched parcels by selecting the Export button within the results tab (3 dots) and choosing the selected export method.

Results

The result is drawn on the map.   ● ● ●   ✕

- Zoom to
- Pan to
- Flash
- Show pop-up
- Export to CSV file
- Export to feature collection
- Export to GeoJSON
- Create layer
- Save to My Content
- View in Attribute Table

Searches: Users can select from a variety of searches to interact with multiple environmental layers.

Searches include:

- NJEMS Sites
- Counties
- Place Names
- Municipalities
- Watershed Management Areas

- Watershed/Sub-Watershed Search
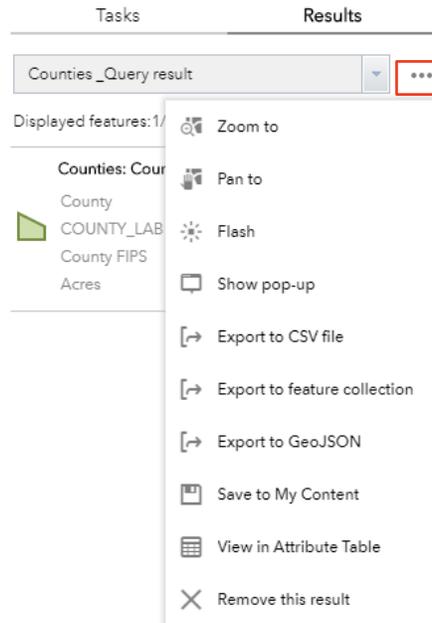- Well Program Grid
- Purveyor Service Area
- Historic Districts Search
- Historic Properties
- Known Contaminated Sites List

After a search is completed, users can take further actions on selected features by selection the 3 dots in the Results menu.

Near Me: The Near Me tool allows users to find Site and Facility features within a buffer of a defined address or location and view detailed information about those features. Users can then click on the results to view more information.
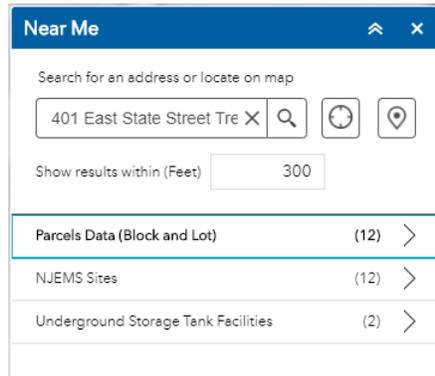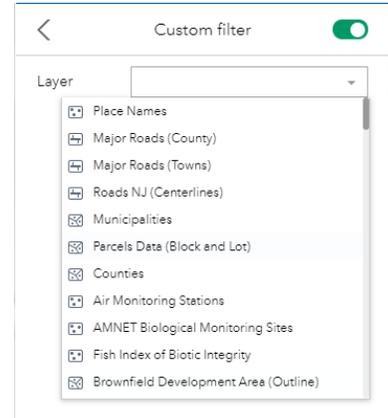
Custom Layer Filter: The Filter tool allows users to limit visibility of features in a layer. Only features that meet the set criteria will be visible in the map.

a. Select the Create a Custom Filter to get started.
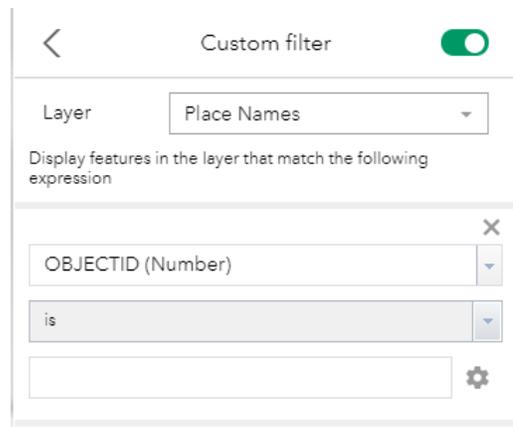
b. Then select the layer to create a custom filter on.

	Custom filter	⬤
Layer		▾

Place Names
Major Roads (County)
Major Roads (Towns)
Roads NJ (Centerlines)
Municipalities
Parcels Data (Block and Lot)
Counties
Air Monitoring Stations
AMNET Biological Monitoring Sites
Fish Index of Biotic Integrity
Brownfield Development Area (Outline)

c. Add an expression or a set of multiple expressions.

> + Add expression   + Add set

d. Finally, select the field, condition, and input type to create the filter.

‹	Custom filter	⬤
Layer	Place Names	▾

Display features in the layer that match the following expression

✕

OBJECTID (Number) ▾

is ▾

⚙

Draw: The Draw tool allows users to draw simple graphics and text on the map.
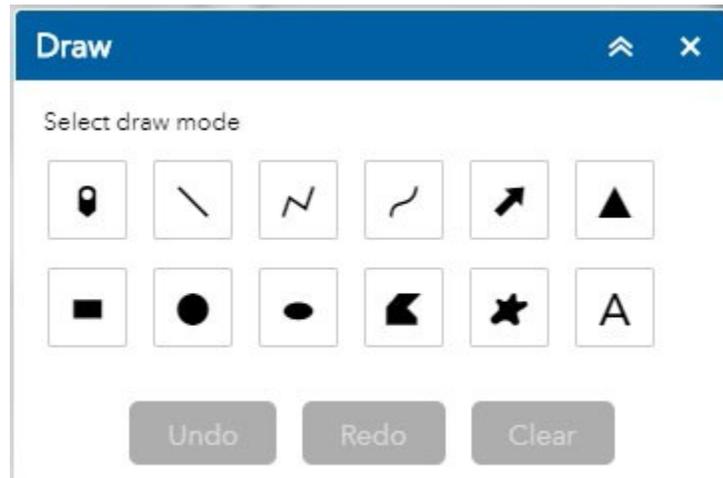
Select: The Select tool allows the user to interactively select features on the map and take actions on the selected features. Clicking the 3 dots next to the selected features will open the Show Actions options. Within these options, users can export selected features to CSV, Feature Collection, and GeoJSON.
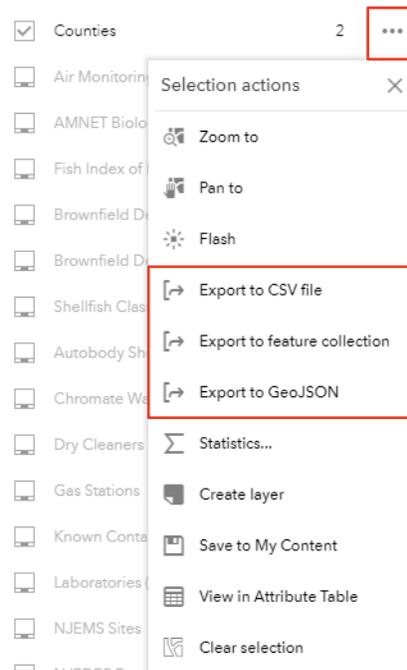
Measure: The Measure tool allows the user to measure the area of a polygon, the length of a line, or find the coordinates of a point.

Swipe: The Swipe tool enables the user to easily compare the content of different layers in a map.

Once the tool is turned on, select a single layer or multiple layers to swipe from the drop-down list.

Screening: The Screening tool allows users to define an area of interest and analyze specified environmental layers for potential impacts. Areas of interest can be defined through a place name search or by drawing on the map.

XY Coordinate Search: The XY Coordinate Search allows users to plot NAD 1983 State Plane XY Coordinates on a Web Mercator map.

Print: The Print tool allows users to print their current view of the map to a variety of format types including: PDF, JPG, PNG, SVG and others. Advanced options are available for further configuration.

Layer List: The Layer List allows users to turn individual layers on and off within the map. Each layer in the list has a check box that allows the user to control its visibility. The Layer List is separated into groups, which can then be turned on and off. Some layers even though turned on, may not be visible and grayed out within the layer list window. This is due to a scale dependency and the user must zoom into the map for the layer to appear.
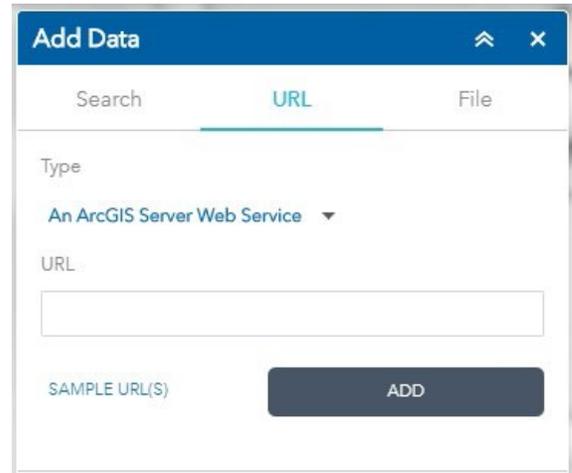
Add Data: The Add Data tool enables users to add data to the map from a variety of external sources. Sources include ArcGIS Online, Layer URL's, or uploading local files.
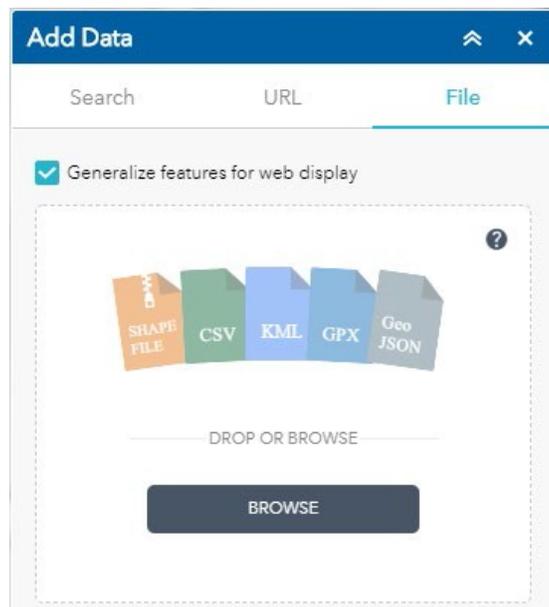
Add data through ArcGIS Online
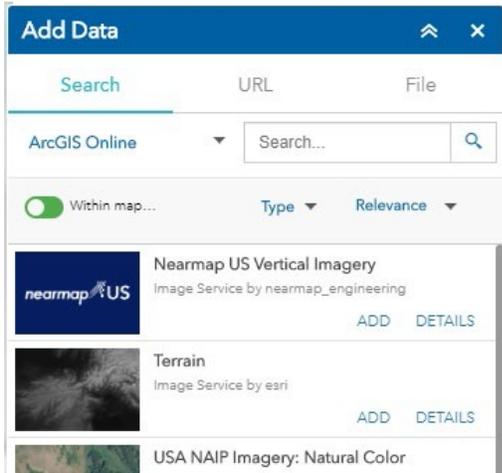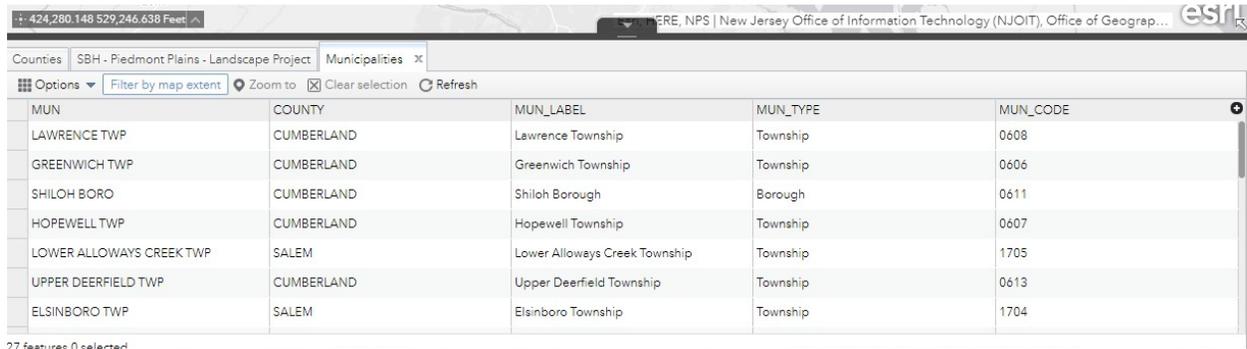

Add data through URL

Upload data locally
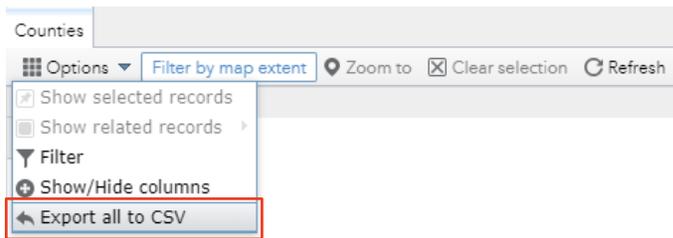Note: Zipped Shapefiles have a limit of 1000 features.

7. Attribute Table

The Attribute table displays a tabular view of operational layer's attributes. When more than one layer's attributes display, multiple tabs automatically generate in the attribute panel. Attribute information can be exported to CSV through the attribute table.

8. Scalebar and XY Coordinate

The Scalebar displays a scale bar on the map.

The Coordinate tool displays X- and Y- coordinate values on the map.
Users can choose from displaying coordinates in New Jersey State Plane or WGS-84 Web Mercator by clicking the up arrow. Users can then search for coordinates by clicking the Enable Map Coordinates button.

Enable to Get Coordinates ⟶ ⟵ Configure Web Mercator or NJ State Plane
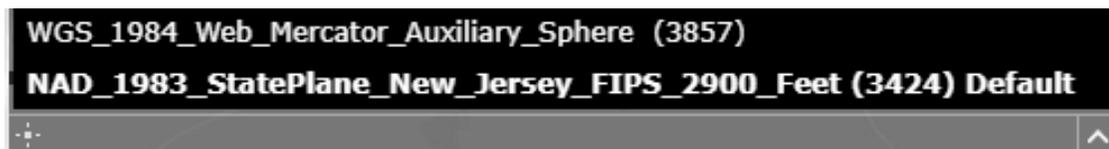
How to find a State Plane Coordinates

Basic site information needed to locate coordinates
- Knowledge of location of street or closest street to project area or street address.
- Municipality
- County
- Zip code

Two ways to locate Site
- A street address (with a number) or landmark at or near the site.
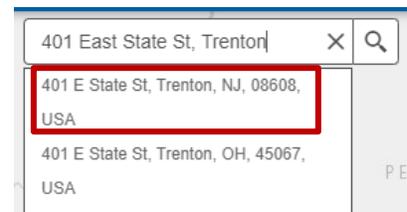- Knowledge of the site location in relation to the municipal boundaries

Options to locate site
- If you know the street address. Go to the "Find address or place" box on the upper left-hand side of the map.

- Enter the street address (with number or closest number to the site). Click search

  (Not all addresses will find a match. The map will zoom to the approximate address match.)

- If no street address is available, you must find the site based on the relative location in the municipality and zooming in based on the nearest roads. Enter the municipality name in the "Find address or place" box. Select the appropriate value from the dropdown.

- Use the + icon to zoom in to the site location. Or hold down the left mouse button and move the map around.

- If you zoom in too far, use the − icon to zoom out to relocate your search in the same relative area.

Find the State Plane coordinates
- The "Find Coordinates" tool is located in the lower left-hand side corner of the map.

- Click on the "Enable to Get Coordinates" tool , then the tool will look like this.

- Click on the map to place a marker at your location.

- You will see the numbers in the lower left-hand side corner

- The X and Y coordinates are separated by a space.
  X Coordinate = 420332.86 Y Coordinate : 505458.36

- If needed, you can copy and paste these coordinates into your application.