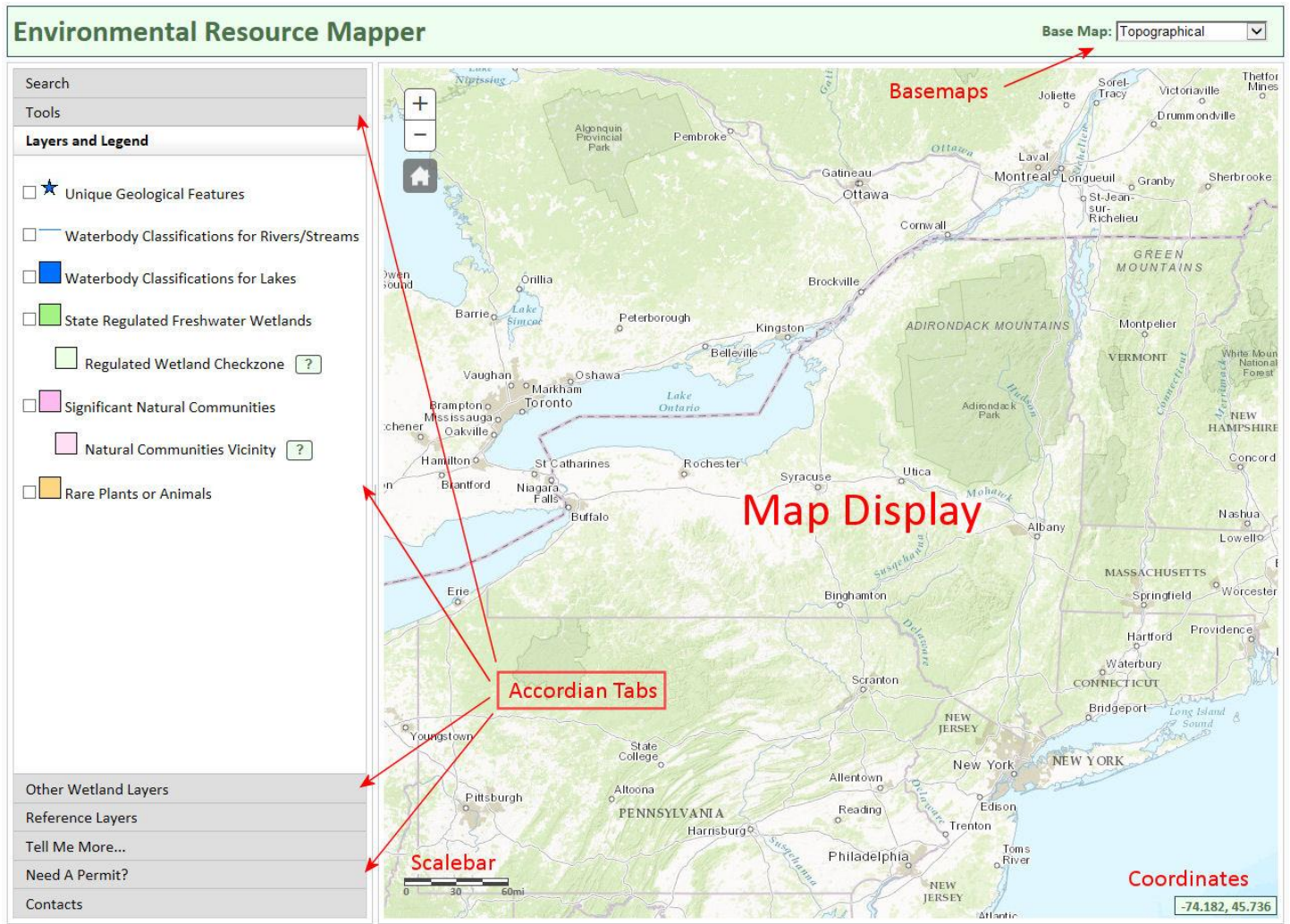


Using the Environmental Resource Mapper

When you first open the Environmental Resource Mapper (ERM), you will see the image below.



In the image above, the main components of the ERM are labeled in red. We'll summarize what these elements are before giving more detailed information on each element.

Most of your screen will be occupied by the Map Display. This will consist of a base map and whatever layers you choose to display.

On the left is an accordion menu that will display content under whichever accordion tab you click on. By default, it displays the main Layers and Legend. Other options in the menu include various mapping tools, supporting information about the data within the layers, permit information and contacts

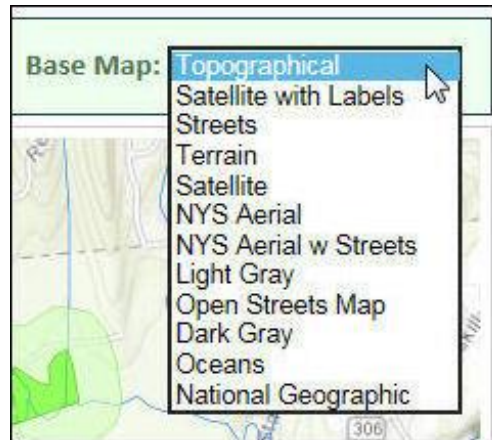
On the upper right, you'll see a dropdown menu with a selection of base maps.

Other elements on the map include a scale bar on the lower left and small box displaying the coordinates of your mouse or cursor at any given time.

Starting With a New Map

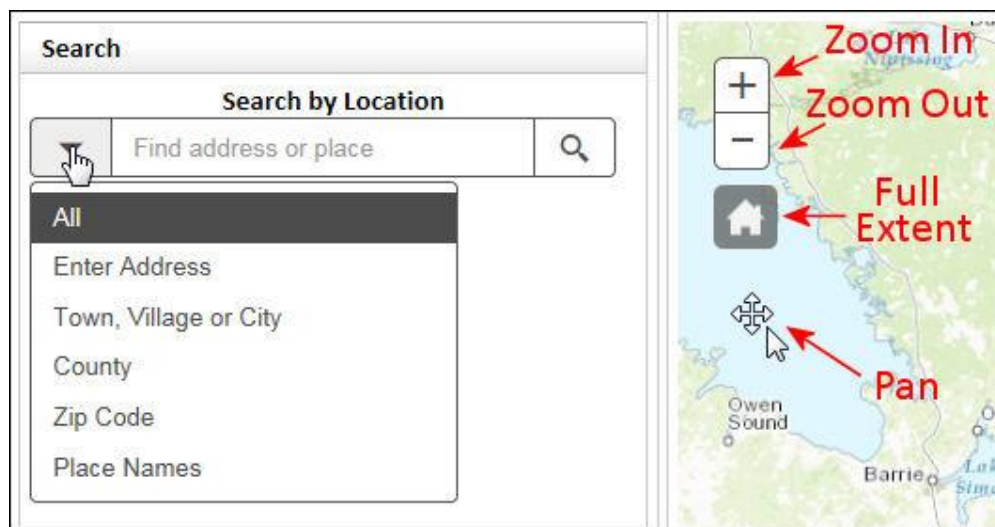
Base Maps

By default, when you first open the mapper, the background map, or “Base Map”, will be a topographical map. You can change this by choosing a different map from the selection of Base Maps offered in the drop-down menu in the upper right corner of the screen. Try out a few different maps by clicking on the options in the menu.



Navigation, Zooming and Panning

To get to a particular area of interest, there are a number of options. You can go to a specific address, county, municipality or zip code by clicking on the accordion tab labeled “Search”, clicking the down arrow symbol and selecting a search option. For counties, towns and zip codes, the search is case sensitive and you’ll need to enter the entire name of the area you’re looking for. Once you’ve entered the address or area of interest, click on the magnifying glass icon and the map will zoom to and highlight that area. To clear the highlight, just click on the “x” in the “Search by Location” field.

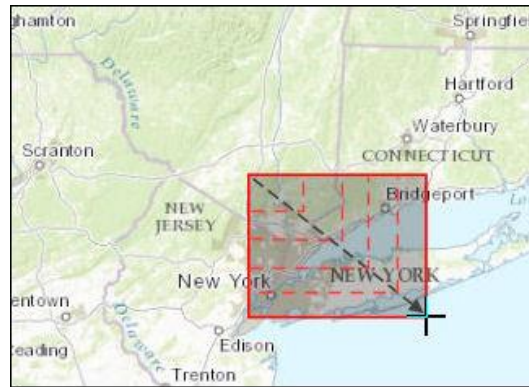


In addition to using the Search options, you can navigate in the map by zooming in or out by clicking on the plus or minus icons at the upper left of the map display. If you have a mouse wheel, rolling it forward will zoom in to the map and rolling it backwards will zoom out.

To pan the map, left click and hold the mouse button down on the map display. A cross symbol will appear. With your mouse, move the display in whichever direction will get you to where you’re looking to go.

Clicking on the house icon below plus and minus signs will return you to the original statewide extent of the map.

Another quick way to zoom to an area is to hold the shift key, left click and hold the mouse button, then drag a box around the area you want to zoom to. You can then zoom out by holding the cntrl and shift keys while clicking and dragging on the map.



Displaying Layers

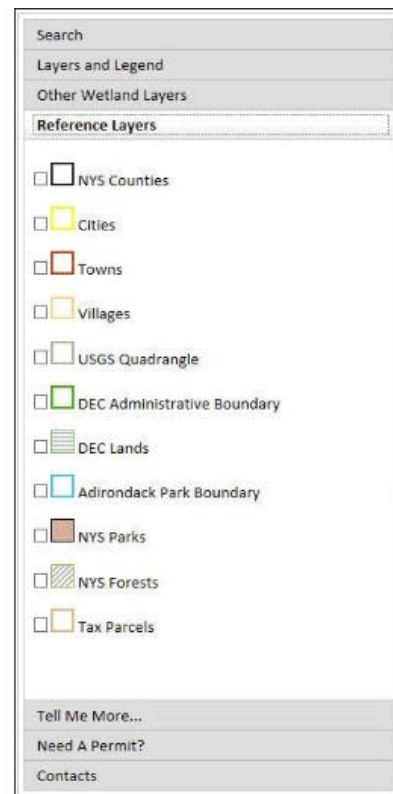
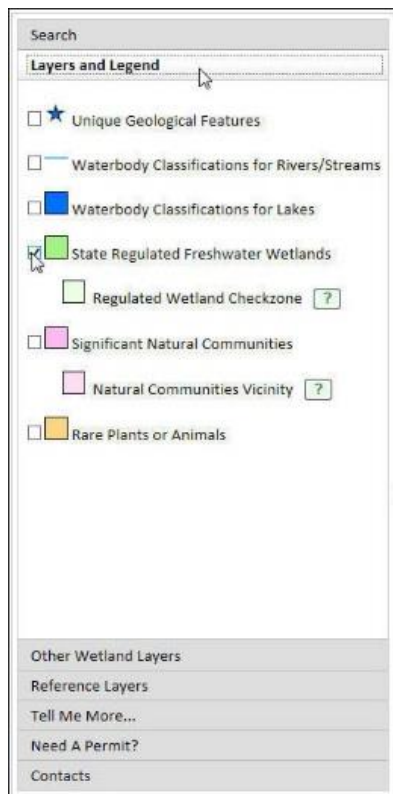
By default, when you open the application, the main “Layers and Legend” accordion tab is displayed. You can quickly get back to this tab, or any other, by simply clicking on the tab title.

The Layers and Legend tab shows the main environmental layers with a check box next to each. Two layers, the “Regulated Wetland Checkzone” and the “Natural Communities Nearby” will turn on when the layers above them are checked. For information of these 2 layers, click the question mark symbols next to each.

*Keep in mind that these layers will only appear after you’ve zoomed into to display a smaller area of the map.

In addition to the main Layers and Legend tab, there are other layers available for display.

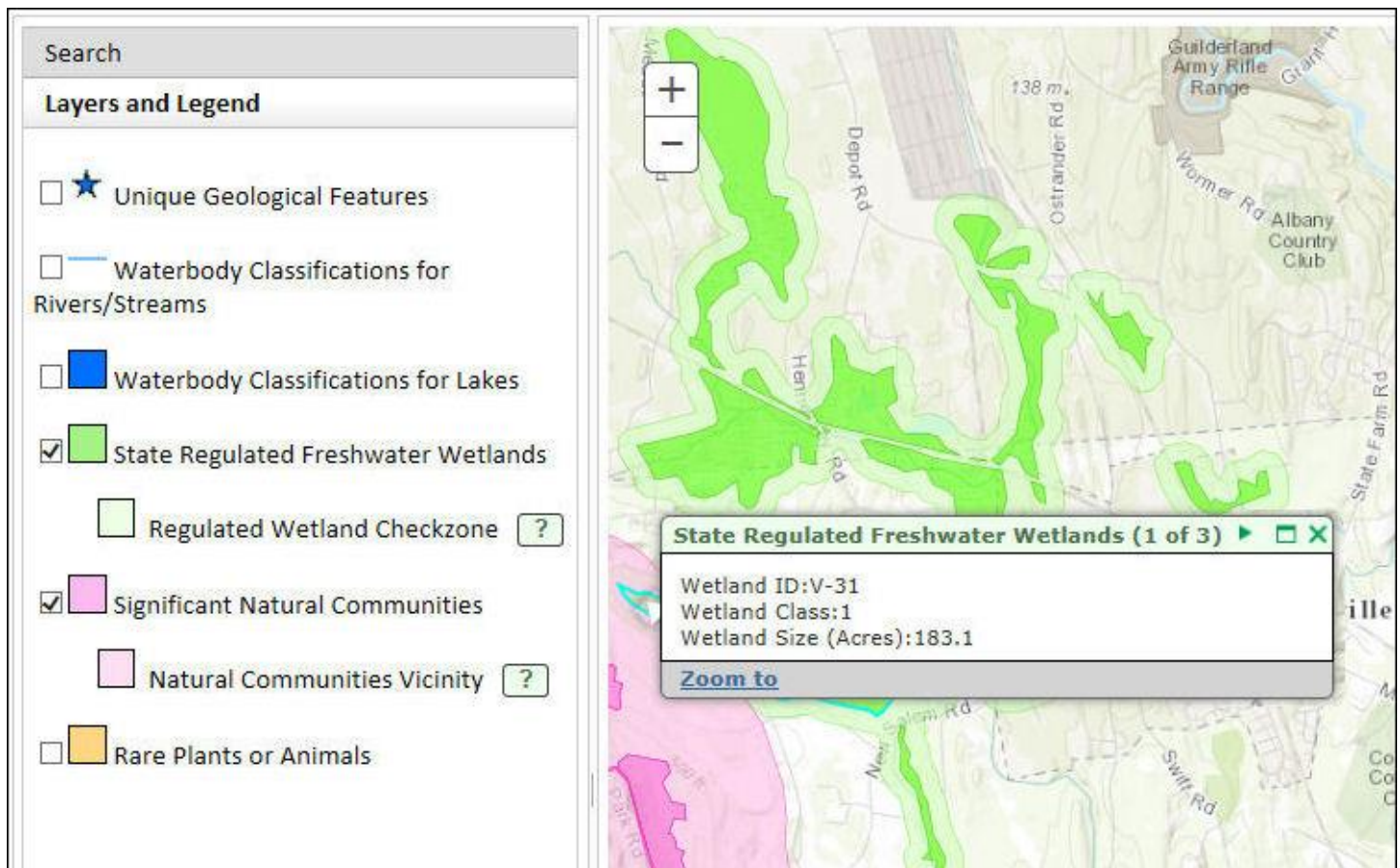
The “Other Wetland Layers” displays wetlands from the National Wetlands Inventory while the “Reference Layers” offer a number of layers that provide useful references to where you are on the map.



Finding Layer Information

Once layers have been displayed, more information about those layers can be found simply by clicking on the layer where it appears in the map. A small popup will appear displaying information about that layer as well as information about other visible layers occurring at the click-point.

The popup will display the title and attributes of the layers in the order of their appearance in the Layer and Legend list. The title bar of the pop-up will also indicate the number of layers identified at the click point and by clicking on the small arrow in the title bar, you can view the information returned for each layer identified. The individual feature clicked on within an identified layer can also be zoomed to by clicking the “Zoom to” link on the bottom-left of the pop-up.




The Identify Tool

More extensive information can be found by using the Identify tool located in the “Tools” accordion tab. To use this tool, simply select the tool and click on a point in the map.



Using the Identify tool returns a page that displays all of the features that occur at the point you clicked on, whether the layers are displayed or not. Additionally, that page contains location information including the coordinates of the click-point in Latitude and Longitude and UTM, as well as the county, town, village and city and the nearest address if the click-point is on or very close to a road.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 584243.763	Northing: 4722183.370
Longitude/Latitude	Longitude: -73.972	Latitude: 42.648

County: Albany
Town: New Scotland
USGS Quad: VOORHEESVILLE

DEC Administrative Boundaries

Region 4:
(Capital Region/Northern Catskills) Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schoharie and Schoharie counties. For more information visit <http://www.dec.ny.gov/about/611.html>.

Old or Potential Records (Not displayed on the map)

Common Name: Marsh Valerian
Scientific Name: Valeriana uliginosa
Date Last Documented: 1974-05-27
Location: Meadowdale
NYS Protected:

Common Name: Bog Turtle
Scientific Name: Glyptemys muhlenbergii

State Regulated Freshwater Wetlands

ID: V-31
Class: 1
Size (Acres): 183.1

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Rare Plants or Animals

This location is in the vicinity of one or more rare plants or animals.

National Wetlands Inventory

Attribute: PFO4E
Type: Freshwater Forested/Shrub Wetland
Acres: 38.27370142

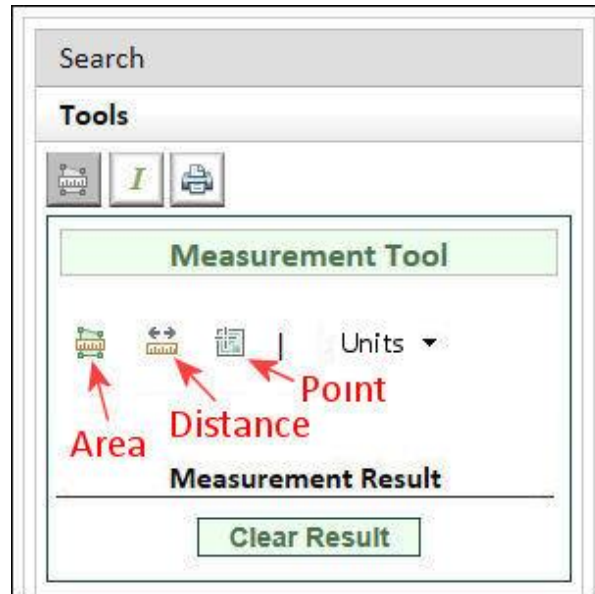
For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

Attributes of data identified are displayed in tables, some of which have links to more detailed information about that data. This is the same information contained in the “Tell Me More...” accordion tab which is covered below.

The table displaying the DEC Region will have a link to the DEC Office for that region.

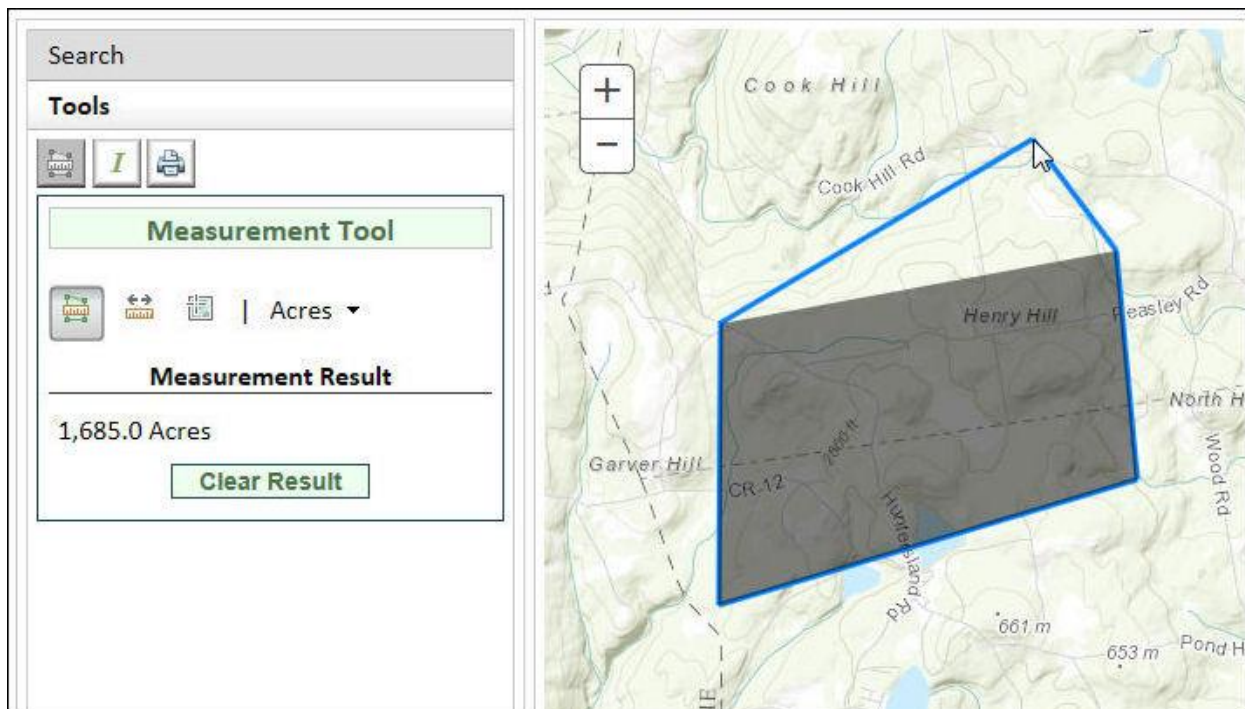
The Measure Tool

The Measure Tool can be used to measure area as well as distance. The measure tool is activated by clicking the Measure Tool button in the Tools accordion tab. After clicking the button, measure tool options will appear below the toolbar.



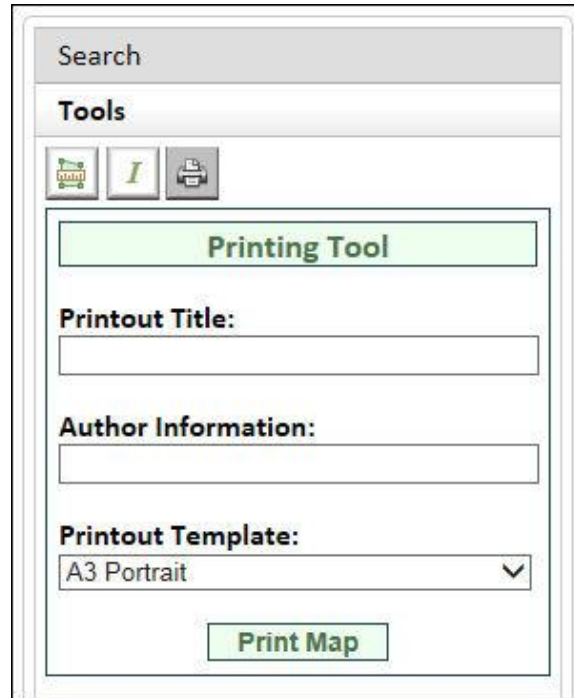
Selecting the area or distance icon determines the type of measurement to be made. (A third option allows you to select a point to display the coordinates for that point.) The unit of measurement can be chosen depending on the type of measurement.

After selecting the measurement type, the measurement is made by clicking points on the map. The area or line being measured is drawn one point at a time. Double-clicking the last point will finish the measurement and display the result.



The Print Tool

The Print Tool is activated by clicking on the Print Tool button in the toolbar. This opens a dialogue with options for printing.



The image shows a software dialog box titled "Printing Tool". At the top, there is a "Search" field. Below it is a "Tools" section containing three icons: a map, a letter 'I', and a printer. The main area of the dialog has a green header bar with the text "Printing Tool". Below this header are three input fields: "Printout Title:" with an empty text box, "Author Information:" with an empty text box, and "Printout Template:" with a dropdown menu currently showing "A3 Portrait". At the bottom of the dialog is a green button labeled "Print Map".

After filling out the fields, clicking print creates a .pdf of the map in the chosen layout with the title and author information included.

The “Tell Me More...” tab.

As mentioned above the “Tell Me More...” tab allows you to access the same general information accessed by the links in the identify tool, with links to information for each of the main layers listed in the Layers and Legend tab.

Search

Layers and Legend

Other Wetland Layers

Reference Layers

Tell Me More...

Tell Me More...

Disclaimer: The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required.

NYS Freshwater Wetlands This layer shows those wetlands that are currently mapped under the state's Freshwater Wetlands Act (outside the Adirondack Park).

Streams, Rivers, Lakes and Ponds This layer shows water quality classifications of New York 's streams, rivers, lakes, and ponds.

Rare Plants and Rare Animals This layer shows generalized locations of animals and plants that are rare in New York State, including but not limited to those listed as Endangered and Threatened.

Significant Natural Communities This layer shows locations of rare or high-quality wetlands, forests, grasslands, ponds, streams, and other types of habitats, ecosystems, and ecological areas.

Unique Geological Features This layer shows unigue or unusual geological features or landforms.

What do I do if my land is near any of these areas?

If you are considering a project in, or near, any of the areas shown on these maps, contact your regional DEC office for more

Need A Permit?

Contacts

The “Need A Permit?” tab.

The “Need A Permit” tab contains general information about permitting as well as links to more specific permit information for the layers which may have permitting requirements associated with them.

Search

Layers and Legend

Other Wetland Layers

Reference Layers

Tell Me More...

Need A Permit?

Need a Permit?

Disclaimer: These maps are for informational purposes only. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

NYS Freshwater Wetlands Permit Required for any physical disturbance, within the boundary or within the 100 foot adjacent area, of a state protected freshwater wetland. Note: Freshwater wetlands within the Adirondack Park are not included on these maps; contact the **Adirondack Park Agency** for permit information.

NYS Protection of Waters Permit Required for:

- the disturbance of the bed or banks of a protected stream, which includes water bodies in the course of a stream of 10 acres or less, with a classification of AA, A or B, or with a classification of C with a standard of (T) or (TS).
- for the excavation or placing of fill in navigable waters of the state, below the mean high water level, including adjacent and contiguous marshes and wetlands, with a water classification and standard of C or D.

Rare Animals, Rare Plants, and Significant Natural Communities The Rare Plant and Rare Animal data layer does not show precise or exact

Contacts

The “Contacts” tab.

Finally, the “Contacts” tab has contact information for those who have more questions about the layers and data contained in the Environmental Resource Mapper.

Search

Layers and Legend

Other Wetland Layers

Reference Layers

Tell Me More...

Need A Permit?

Contacts

Contacts

For more information about whether a permit is needed or for help in getting a permit, and for further information on specific wetlands; streams; or rare and endangered plants, animals and natural communities:

Please contact the appropriate [DEC regional offices](#).

For questions related to the overall **freshwater wetlands program** and **freshwater wetlands mapping** :

625 Broadway, Albany, NY 12233-4756
518-402-8849
FW.Habitat@dec.ny.gov

For questions related to the **tidal wetlands program**:

205 Belle Meade Rd., East Setauket, NY 11733
516-444-0430 FW.Marine@dec.ny.gov

For questions related to the **rivers and stream protection program**:

625 Broadway, Albany, NY 12233-4756
518-402-8924
FW.Habitat@dec.ny.gov