

Entering Assessment Data in iMapInvasives

Assessment data allows a user of iMapInvasives to describe the size and severity of an infestation. To create an assessment record, draw a polygon around the area of infestation and provide information about the location including disturbance, amount of native vegetation, and if follow-up management is needed.

Users Level 3 and higher can enter assessment data.

iMapInvasives
Sharing information for strategic management

Pennsylvania User Tools
Location: My iMapInvasives

User level is shown here

Welcome back, **Aspen**
(aspweitzel_3, User Level 3) 2:13
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[Show Your iMap Stats](#)

My iMapInvasives Resources Data Management

Enter Data

- Observation

View the Map

- View the Map
- Not using a high-speed internet connection?

View Table

- All Observations
- Assessments
- Animals Insects Plants

Query and Reports

- Custom Observation Query
- All Data Summary Report
- All Species by County:
Table
- Infested Lakes:
Table
- Report - All Lakes
- Report - You Pick the Lake
- Active Projects:
All Projects
- My Projects with Details

Assessment data is tied/connected to an observation point. To add assessment data, you must first create an observation. There are **two methods** to add assessment data. This guide will explain both, beginning with the preferred method.

Method 1 (Preferred)

Method 1 (preferred:

After you have [submitted an observation record](#), click **View Table** on the iMapInvasives homepage.
You will then be directed to the **Observations Table**.

The screenshot shows the iMapInvasives Pennsylvania User Tools homepage. The header includes the iMapInvasives logo, the title "Pennsylvania User Tools", and a welcome message for user "Aspen". A navigation bar contains "My iMapInvasives", "Resources", and "Data Management". Below this, four main sections are visible: "Enter Data", "View the Map", "View Table" (circled in red), and "Query and Reports". Each section contains a preview image and a list of links.

Enter Data

- Observation

View the Map

- View the Map
- Not using a high-speed internet connection?

View Table

- All Observations
- Assessments
 - Animals
 - Insects
 - Plants

Query and Reports

Custom Observation Query

All Data Summary Report

All Species by County:

Table

Infested Lakes:

Table

Report - All Lakes

Report - You Pick the Lake

Active Projects:

All Projects

My Projects with Details

iMapInvasives Sharing information for strategic management **Pennsylvania User Tools**

Welcome back, **Aspen**
(aspw@zel_3_3_13) [Home](#) [Log Out](#)

My iMapInvasives :: [Observations](#) :: ID: PA-9321U

Observation Information

PA-9321U

Data Entry Person: **aspw@zel_3**
Observer: **Aspen Weltzel**
Organization: **Western Pennsylvania Conservancy**

Dates
Observed: Feb. 21, 2018


Species
Wild Carrot
Daucus carota
Status: **Unconfirmed**

Geographic Data
County: **Butler**
ID: **PA-9321U**

[View Observation on Map](#)
[Create Assessment for this Observation](#)

Move the map to move the observation location

[Return to the Initial Map Location](#)
[Save New Map Location](#)



78987.761 | 4552036.4 | State based Coordinates

Latitude: 41.0107574 Longitude: -80.00592225
41°00'38.7"N 80°00'21.3"W
80°01'26.3"W, 41°00'33.4"N Coordinates of mouse position over map

Once you are in **Observation Information**, scroll down to **Related Records...**

Site Access

Site Directions

Related Records

Assessment ID [Enter an Assessment for this observation](#)

Repository Information

Location

Available

Bar Code ID

...and click on “**Enter an Assessment for this Observation.**”

Method 2

Method 2: Enter [observation data](#) as you would normally.

The screenshot shows the iMapInvasives Pennsylvania User Tools dashboard. At the top, there is a header with the iMapInvasives logo, the text "Pennsylvania User Tools", and a user welcome message for "Aspen". Below the header is a navigation bar with three tabs: "My iMapInvasives", "Resources", and "Data Management". The "My iMapInvasives" tab is active, and it contains four main sections: "Enter Data", "View the Map", "View Table", and "Query and Reports". The "Enter Data" section is circled in red and contains a sub-section titled "Observation". The "View the Map" section contains a map of Pennsylvania with several points marked. The "View Table" section contains a table with columns for "Date", "Location", "Species", "Status", and "Observer". The "Query and Reports" section contains a "Custom Observation Query" form and a list of reports including "All Data Summary Report", "All Species by County", "Table", "Infested Lakes", "Report - All Lakes", "Report - You Pick the Lake", "Active Projects", "All Projects", and "My Projects with Details".

The screenshot shows the iMapInvasives Observation Data Entry screen. At the top, there is a header with the iMapInvasives logo, the text "Observation Data Entry", and a user welcome message for "Aspen". Below the header is a navigation bar with seven tabs numbered 1 through 7. Tab 6 is active. The main content area is titled "Step 6 Where Zoom-in FIRST" and contains a map of Pennsylvania. Above the map, there are search fields for "Search by Coordinate" (Lat / Lon Decimal) and "Enter Coordinate" (Longitude, Latitude). Below the map, there is a "Search by Location" field and a "Go to location" button. The map shows the state of Pennsylvania with various cities and towns labeled. A small inset map in the bottom right corner shows the location of Pennsylvania within the United States.

After you submit your observation, a screen will appear where you can click the **Submit Assessment** button to add assessment data for this observation.

The screenshot shows the iMapInvasives web application interface. At the top, the logo for iMapInvasives is on the left, and the title "Observation Data Entry" is in the center. On the right, a user welcome message says "Welcome back, Aspen" with a "Log Out" link. Below the title bar, a navigation bar contains seven numbered buttons (1-7), with button 7 being highlighted in orange. The main content area is titled "Step 7 Submit Observation". Underneath, the "Observation Information" section displays the ID "PA-9321U" on a yellow background. Below the ID, three buttons are visible: "Submit Assessment" (circled in red), "View Observation on Map", and "Submit Another Observation". The interface also features vertical navigation arrows on the left and right sides of the main content area.

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Observation Data Entry

My iMapInvasives :: Observation Data Entry

Welcome back, Aspen
(aspen@weitzel_3; User Level 3) 2:13
Home Log Out

1 2 3 4 5 6 7

Step 7 Submit Observation

Observation Information

Click on the ID to view the record and to access additional fields; Also, you may edit the record until it is confirmed.

ID: PA-9321U

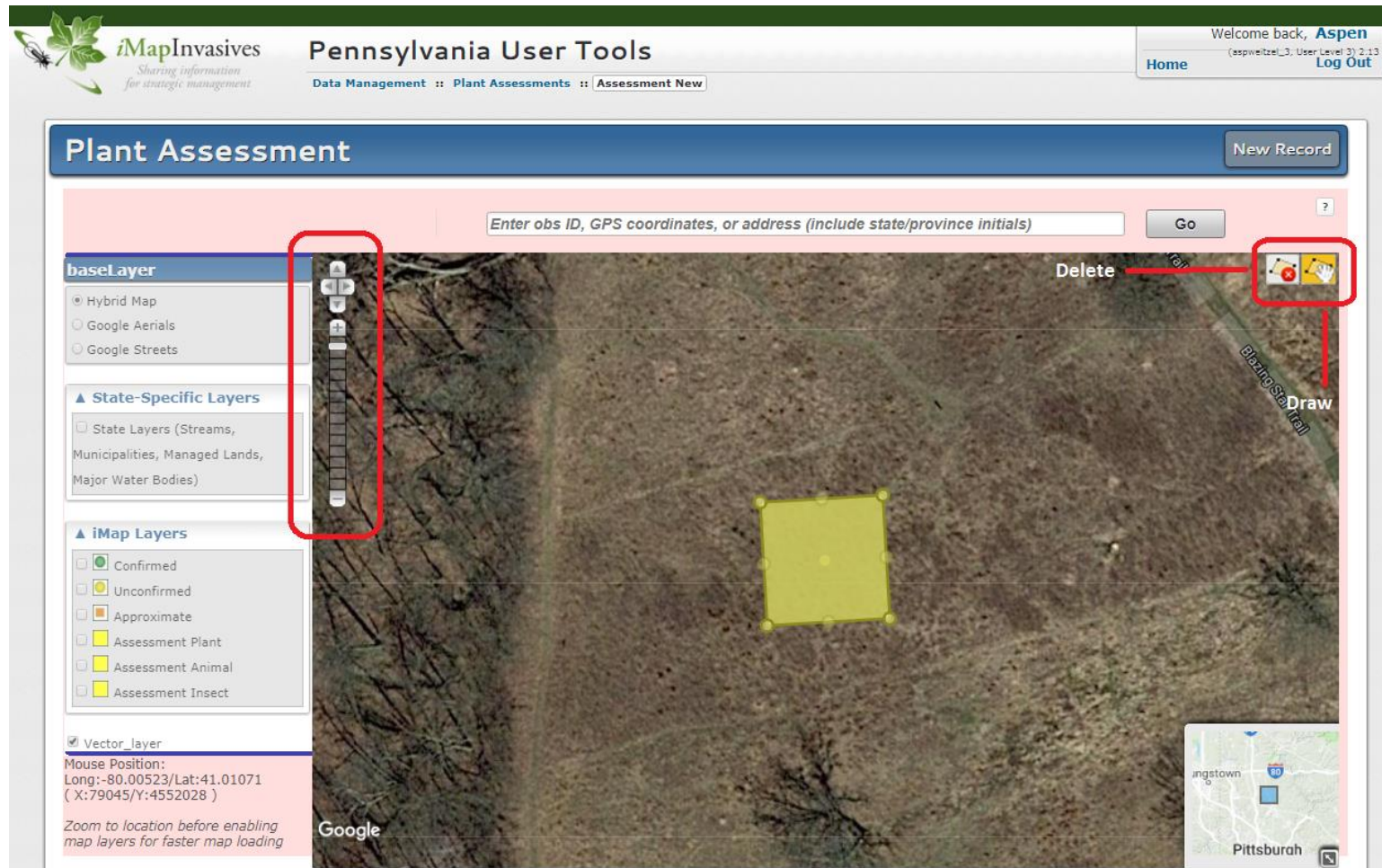
Submit Assessment

View Observation on Map


Submit Another Observation

Both Method 1 and Method 2 will bring you to the **Assessment Data Entry** page.
From this point on, everything will be the same regardless of which method was used.

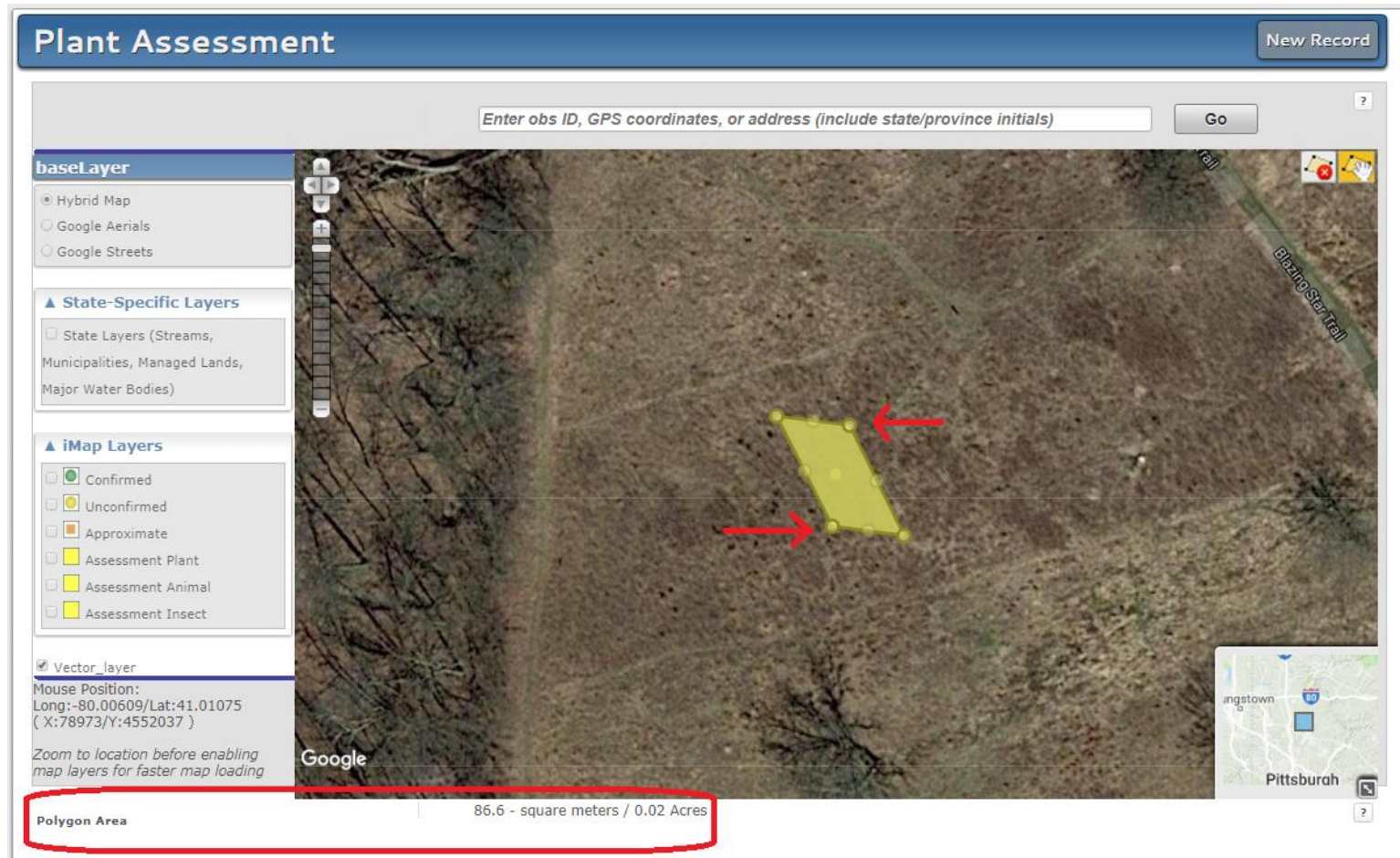
The program provides a “default” square polygon for your assessment area, though this this will need to be modified to indicate the infested area. Use the zoom tool on the left side to navigate the screen to your liking.



The buttons in the upper right-hand corner are the ‘Delete Polygon’ tool and the ‘Draw Polygon’ tool.

If you chose to delete the polygon and start a new one, another tool will appear:  which is the ‘Add Polygon’ tool. If you choose not to delete the “default” polygon, you can edit the predesigned polygon.

To edit the polygon, click and drag the yellow vertices to show the extent of the species on the ground (i.e., the infestation).



Notice that once you have drawn a polygon, the area is displayed in square meters and acreage directly below the map for your reference.

Continue your assessment data entry by using the drop-downs and fields to fill in additional information. Required fields are highlighted in pink. Note: **Observation ID** is the only required field for an assessment and it is filled in automatically.

▼ Photos

Assessment Information

Do not use special symbols in text boxes. Only letters, numbers, and characters found on common keyboards are accepted.

Plant Type	Plant Terrestrial	▼
Scientific Name	Daucus carota	
Common Name	Wild Carrot	
* Observation ID	PA-9321U	?
Entry Person	aspweitzel_3	?
Entry Date	2018-02-21 10:39:42.550366	?
Evaluation Type	b) Pre-treatment	?
Evaluation Type Comments	a) Initial b) Pre-treatment c) Post-treatment d) Other	?

Some fields have multiple entry choices, such as **Plant Maturity**. Click all that apply.

The screenshot shows the 'Invasive Plant Information' form. The 'Plant Maturity' dropdown menu is open, displaying the following options: 'b) Flowers x', 'c) Seeds x', 'a) Vegetative', 'd) Fruits', and 'e) Other'. A red oval highlights these options. The 'Plant Distribution' dropdown is also visible, showing a list of options. The 'Plant Maturity (if other - 50 character limit)' text input field is also visible.

Invasive Plant Information

Plant Distribution: [dropdown menu]

Plant Distribution (if other - 50 character limit): [text input]

Plant Maturity: [dropdown menu with options: b) Flowers x, c) Seeds x, a) Vegetative, d) Fruits, e) Other]

Plant Maturity (if other - 50 character limit): [text input]

Invasive Terrestrial Plant Information

Woody Plant Age: [text input: Select Some Options]

Some fields only allow one entry, such as **Plant Distribution**.

The screenshot shows the 'Invasive Plant Information' form. The 'Plant Distribution' dropdown menu is open, displaying the following options: 'a) Single plant or clump', 'b) Scattered plants or clumps', 'c) Dense plants/clumps', 'd) Linearly scattered', and 'e) Monoculture'. The 'Plant Distribution (if other - 50 character limit)' text input field is also visible.

Invasive Plant Information

Plant Distribution: [dropdown menu with options: a) Single plant or clump, b) Scattered plants or clumps, c) Dense plants/clumps, d) Linearly scattered, e) Monoculture]

Plant Distribution (if other - 50 character limit): [text input]

Plant Maturity: [dropdown menu]

Plant Maturity (if other - 50 character limit): [text input]

Percent Cover	0.0	?
OR	Enter a number between 1 and 100	
Cover Class	<input type="text"/>	?
Infested Area (square meters)	0.0	?
Infested Area (Acres)	0.00	
Landscape Type	d) Open naturalized area (e.g., grassland, old field)	?
Native Vegetation Distribution	<input type="text"/> <ul style="list-style-type: none"> a) Mixed b) Surrounding c) Dominant d) Subdominant e) Absent f) Unknown 	?
Landscape and Location Comments	<input type="text"/>	?

Invasive Plant Information

Plant Distribution	<input type="text"/>	?
Plant Distribution (if other - 50 character limit)	<input type="text"/>	?
Plant Maturity	<input type="text" value="b) Flowers x"/> <input type="text" value="c) Seeds x"/>	?
Plant Maturity (if other - 50 character limit)	<input type="text"/>	?

Invasive Terrestrial Plant Information


Woody Plant Age	<input type="text" value="a) Seedlings x"/>	?
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Update Assessment

View on Map

When finished, click **Update Assessment** to submit the record.

To view assessment data (for records you have entered as well as records entered by others):
1) Click the relevant assessment record type (animal, insect, or plant) directly on the homepage.

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Pennsylvania User Tools
Location: **My iMapInvasives**

Welcome back, **Aspen**
(aspwiztel_3; User Level 3) 2.13
[Home](#) [Log Out](#)

[Show Your iMap Stats](#)

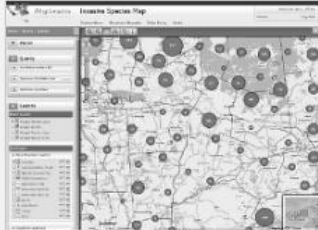
My iMapInvasives **Resources** **Data Management**

Enter Data




- [Observation](#)

View the Map




- [View the Map](#)
- [Not using a high-speed internet connection?](#)

View Table



- [All Observations](#)
- [Assessments](#)
 - [Animals](#)
 - [Insects](#)
 - [Plants](#)

Query and Reports



- [Custom Observation Query](#)
- [All Data Summary Report](#)
- [All Species by County:](#)
 - [Table](#)
- [Infested Lakes:](#)
 - [Table](#)
 - [Report - All Lakes](#)
 - [Report - You Pick the Lake](#)
- [Active Projects:](#)
 - [All Projects](#)
 - [My Projects with Details](#)

Or 2) Go to the Data Management tab and click on **the Animal, Insect, or Plant Assessment Table** links under the Assessment Management box. This will open a screen with a table of all assessment records in the category chosen (animal, insect, or plant).

The screenshot shows the iMapInvasives Pennsylvania User Tools interface. At the top, there is a green header with the iMapInvasives logo and the text "Sharing information for strategic management". To the right of the logo is the text "Pennsylvania User Tools". Further right, there is a user greeting "Welcome back, Aspen" and a "Log Out" link. Below the header, there is a navigation bar with three tabs: "My iMapInvasives", "Resources", and "Data Management". The "Data Management" tab is highlighted with a red circle. Below the navigation bar, there is a section titled "Invasive Species Observation Management" which contains an "Observation Table" link. Below this, there is a section titled "Assessment Management" which contains a list of links: "Animal Assessment Table", "Custom Animal Assessment Query", "Insect Assessment Table", "Custom Insect Assessment Query", "Plant Assessment Table", and "Custom Plant Assessment Query". The "Assessment Management" section is highlighted with a red circle.

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Pennsylvania User Tools

Location: **Data Management**

Welcome back, **Aspen**
(aspweitzel_3; User Level 3) 2.13
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My iMapInvasives **Resources** **Data Management**

Invasive Species Observation Management

Observation Table

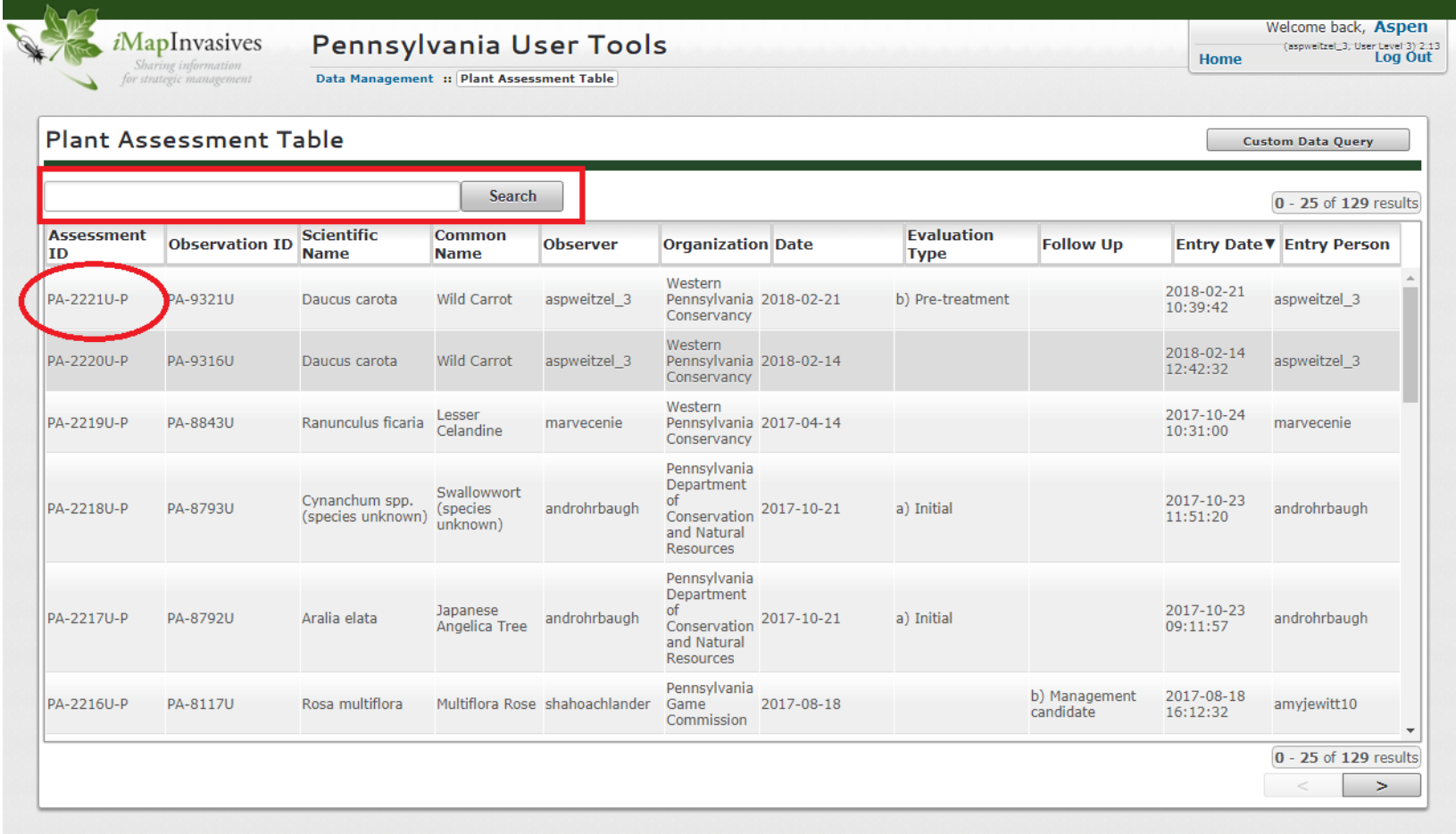
- Custom Data and Report Query

Assessment Management

Assessment Tables

- Animal Assessment Table**
- Custom Animal Assessment Query
- Insect Assessment Table**
- Custom Insect Assessment Query
- Plant Assessment Table**
- Custom Plant Assessment Query

In the **Assessment Table**, locate a record by finding its ID in the left-hand column. You can also use the search bar by entering an assessment's ID, scientific name, common name, or the observer's name.



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Pennsylvania User Tools
Data Management :: Plant Assessment Table

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Plant Assessment Table Custom Data Query


0 - 25 of 129 results

Assessment ID	Observation ID	Scientific Name	Common Name	Observer	Organization	Date	Evaluation Type	Follow Up	Entry Date	Entry Person
PA-2221U-P	PA-9321U	Daucus carota	Wild Carrot	aspweitzel_3	Western Pennsylvania Conservancy	2018-02-21	b) Pre-treatment		2018-02-21 10:39:42	aspweitzel_3
PA-2220U-P	PA-9316U	Daucus carota	Wild Carrot	aspweitzel_3	Western Pennsylvania Conservancy	2018-02-14			2018-02-14 12:42:32	aspweitzel_3
PA-2219U-P	PA-8843U	Ranunculus ficaria	Lesser Celandine	marvecenie	Western Pennsylvania Conservancy	2017-04-14			2017-10-24 10:31:00	marvecenie
PA-2218U-P	PA-8793U	Cynanchum spp. (species unknown)	Swallowwort (species unknown)	androhrbaugh	Pennsylvania Department of Conservation and Natural Resources	2017-10-21	a) Initial		2017-10-23 11:51:20	androhrbaugh
PA-2217U-P	PA-8792U	Aralia elata	Japanese Angelica Tree	androhrbaugh	Pennsylvania Department of Conservation and Natural Resources	2017-10-21	a) Initial		2017-10-23 09:11:57	androhrbaugh
PA-2216U-P	PA-8117U	Rosa multiflora	Multiflora Rose	shahoachlander	Pennsylvania Game Commission	2017-08-18		b) Management candidate	2017-08-18 16:12:32	amyjewitt10

0 - 25 of 129 results

Remember, you can edit your own observation and assessment records up until the observation record is confirmed by the iMapInvasives administrator. If you need to edit a record after that point, contact the administrator at imapinvasives@paconserve.org.

You can also search for assessment data by using the **Custom Data Query** button located in the upper right-hand corner of the **Assessment Table**.



iMapInvasives
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Pennsylvania User Tools

Data Management :: **Plant Assessment Table**

Welcome back, **Aspen**
(aspwiltzel_3, User Level 3) 2:13
[Home](#) [Log Out](#)

Plant Assessment Table

[Custom Data Query](#)

0 - 25 of 127 results

Assessment ID	Observation ID	Scientific Name	Common Name	Observer	Organization	Date	Evaluation Type	Follow Up	Entry Date▼	Entry Person
PA-2219U-P	PA-8843U	Ranunculus ficaria	Lesser Celandine	marvecenie	Western Pennsylvania Conservancy	2017-04-14			2017-10-24 10:31:00	marvecenie
PA-2218U-P	PA-8793U	Cynanchum spp. (species unknown)	Swallowwort (species unknown)	androhrbaugh	Pennsylvania Department of Conservation and Natural Resources	2017-10-21	a) Initial		2017-10-23 11:51:20	androhrbaugh

The **Custom Query** option allows you to filter based on several categories at a time.

Plant Assessments – Custom Query

Assessment Information

Observation / Assessment / Treatment

Observation ID:

Assessment ID:

Treatment ID:

Assessment Information

Follow up:

Evaluation Type:

Landscape Type:

Waterbody Type:

Find Assessments entered on or after this Date:

Find Assessments entered on or before this Date:

From the Observation Table

Observer Name:

Project:

Observed Species:

Observation Date (YYYY-MM-DD):

Organization:

For example, if you would like to see all assessments that are **Initial** evaluation types in a **Waterbody** and are a **Management Candidate** for follow up, the Custom Query tool gives you that ability.

Plant Assessments - Custom Query

Assessment Information

Observation / Assessment / Treatment

Observation ID:

Assessment ID:

Treatment ID:

Assessment Information

Follow up:

Evaluation Type:

Landscape Type:

Waterbody Type:

Find Assessments entered on or after this Date:

Find Assessments entered on or before this Date:

From the Observation Table

Observer Name:

Project:

Observed Species:

Observation Date (YYYY-MM-DD):

Organization:

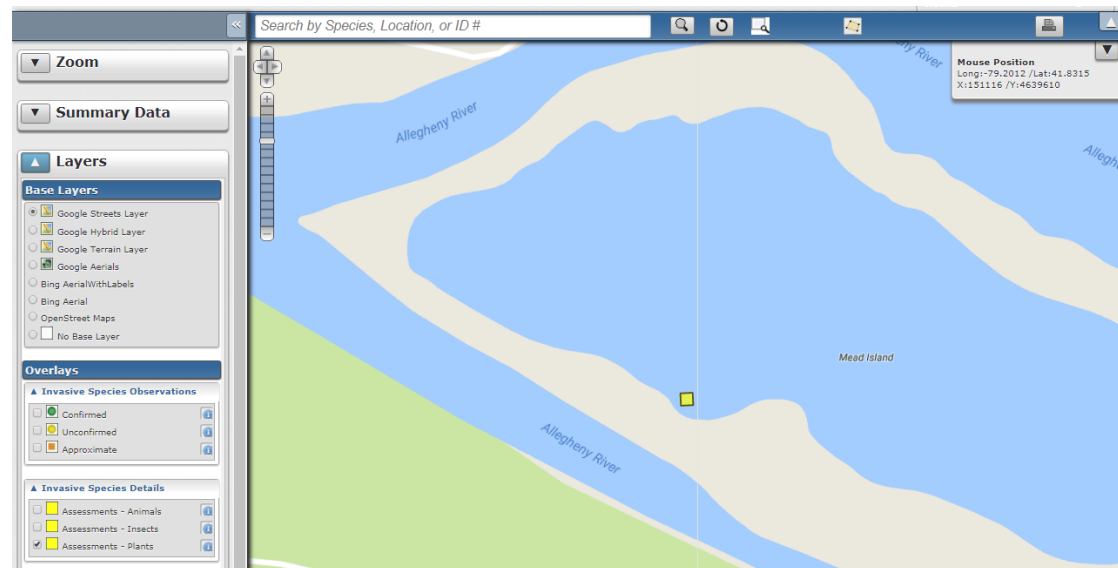
View Table

View On Map


After entering the selected fields in your Custom Query, click on **View Table** or **View On Map** at the bottom of the page.
Here is the custom query in table view:

Plant Assessment Table										
Custom Data Query										
Active Custom Query										
Follow-Up = b) Management candidate Landscape Type = 1 Evaluation Type = a) Initial Clear Query										
<input type="text"/> Search 0 - 1 of 1 results										
Assessment ID	Observation ID	Scientific Name	Common Name	Observer	Organization	Date	Evaluation Type	Follow Up	Entry Date	Entry Person
PA-2210U-P	PA-8023U	Trapa natans	Water Chestnut	ronkeeney	Conewango Creek Watershed Association (CCWA)	2016-08-01	a) Initial	b) Management candidate	2017-08-11 11:36:34	ronkeeney

Here is the custom query in map view:



Another way to search and view assessment information is to “**View the Map**”.
The map is accessible on the iMapInvasives homepage.



iMapInvasives
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Pennsylvania User Tools
Location: [My iMapInvasives](#)

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[My iMapInvasives](#)

[Resources](#)

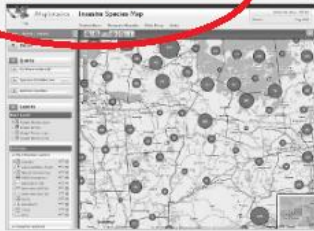
[Data Management](#)

Enter Data




- [Observation](#)

View the Map




- [View the Map](#)
- [Not using a high-speed internet connection?](#)

View Table



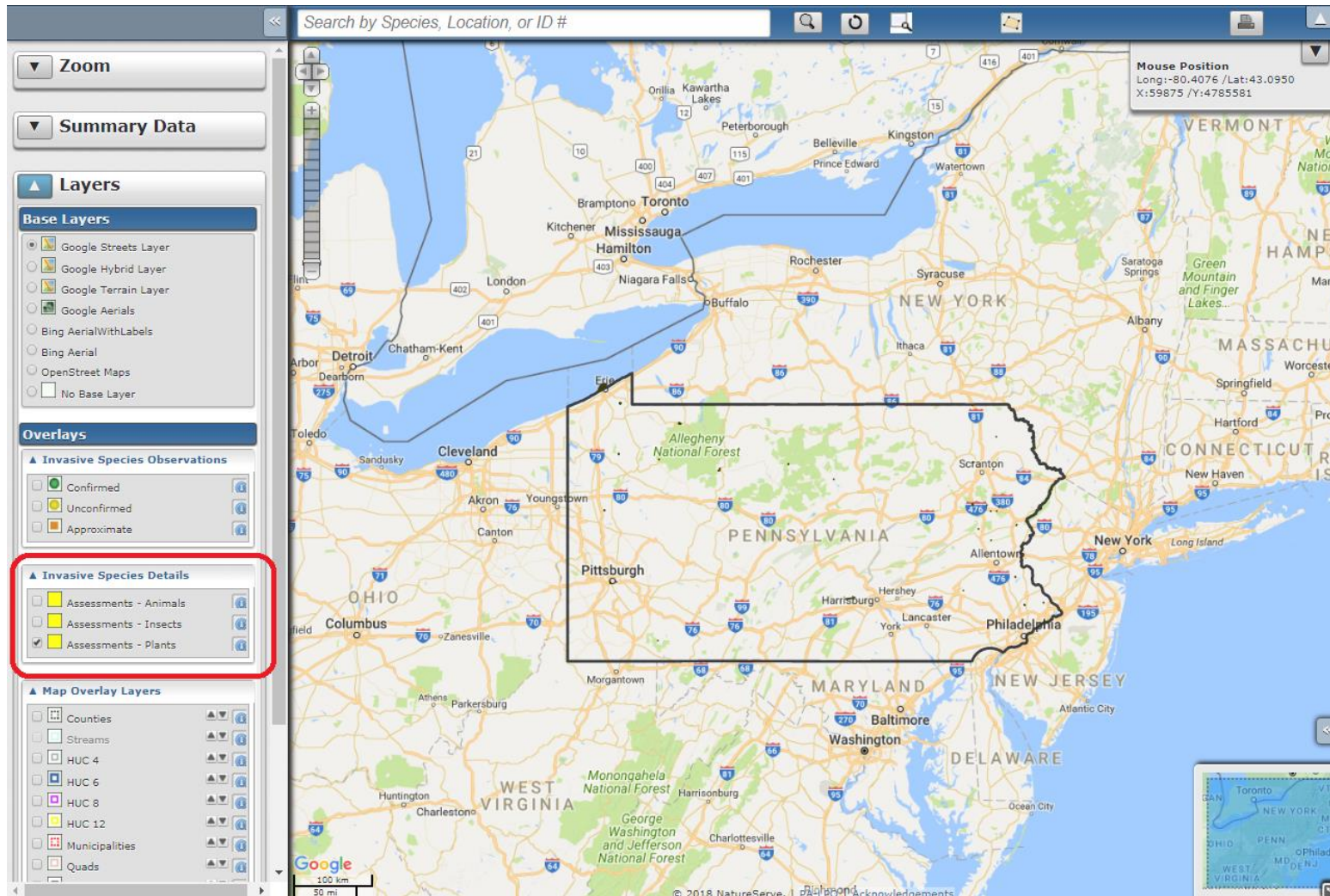
- [All Observations](#)
- [Assessments](#)
 - [Animals](#)
 - [Insects](#)
 - [Plants](#)

Query and Reports

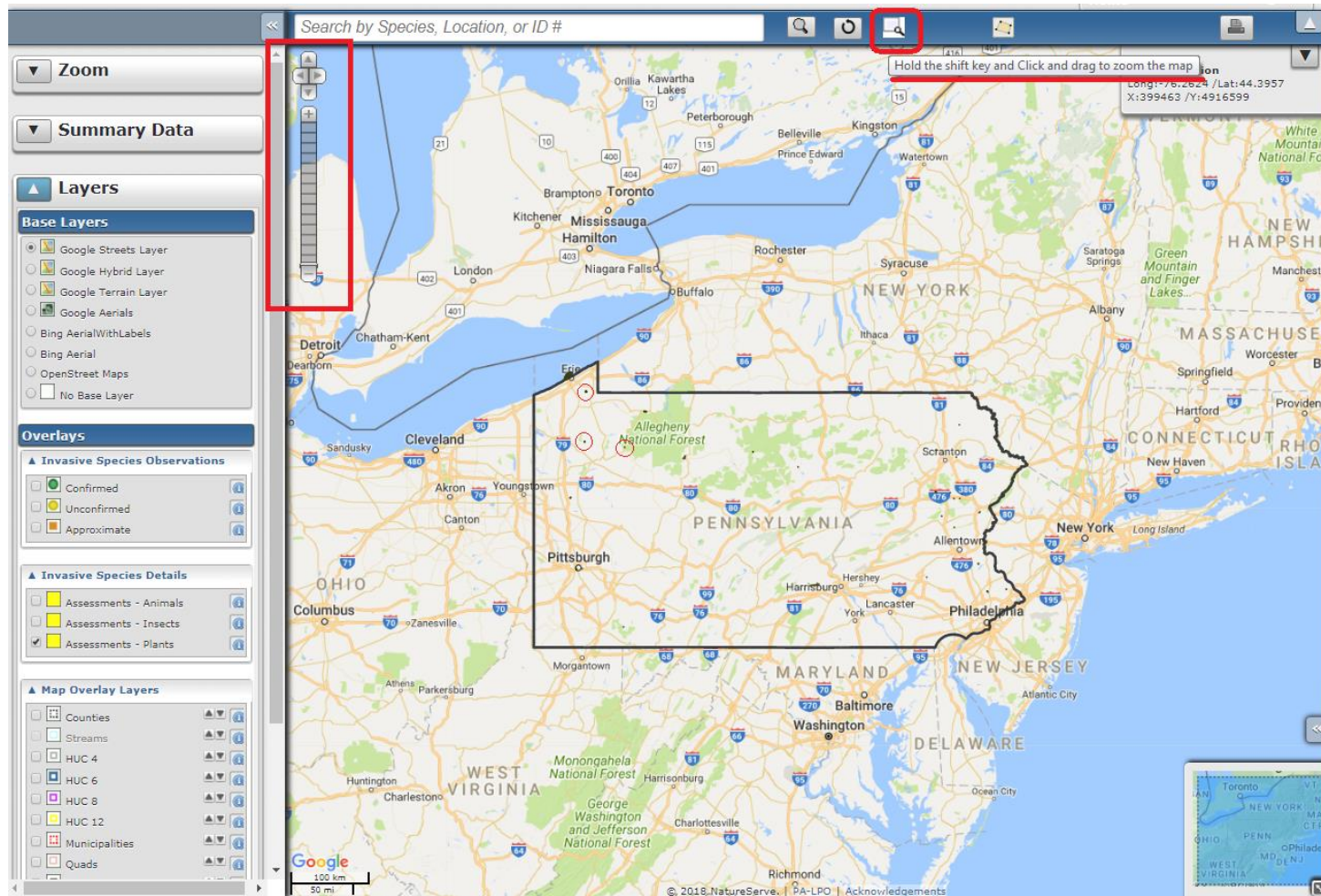


- Custom Observation Query**
 - [All Data Summary Report](#)
 - [All Species by County:](#)
 - [Table](#)
 - [Infested Lakes:](#)
 - [Table](#)
 - [Report - All Lakes](#)
 - [Report - You Pick the Lake](#)
 - [Active Projects:](#)
 - [All Projects](#)
 - [My Projects with Details](#)

To view assessment polygons, turn on the necessary layer (animal, insect, and/or plant) in the “**Invasive Species Details**” section of the legend by clicking on the associated check box.

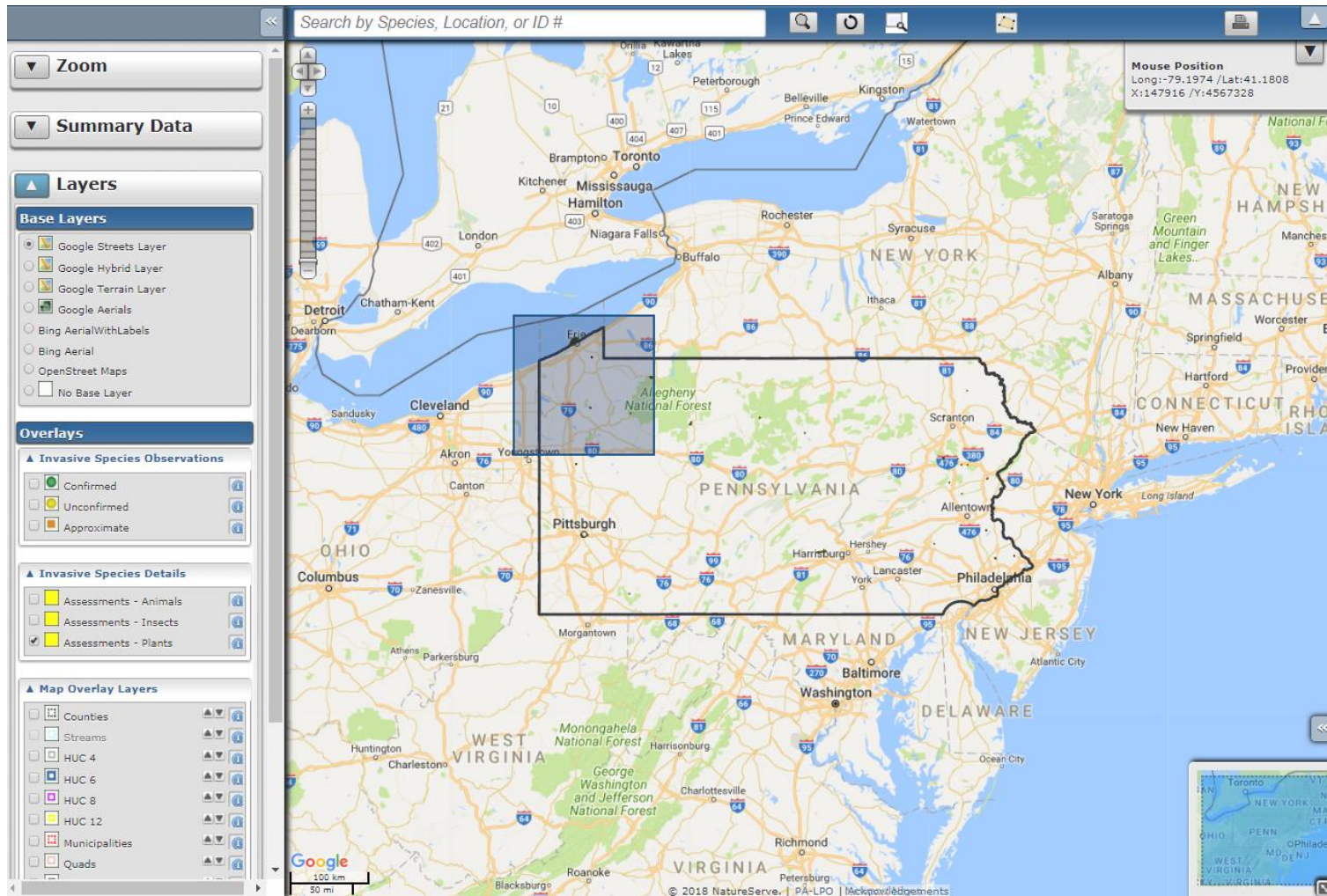


At this extent, it is very difficult to see the assessment polygons. Notice the assessment polygons circled in red (*in the NW corner of the state*) look like little dots. To zoom into a specific area, hold the shift key and click/drag around the extent you wish to view.

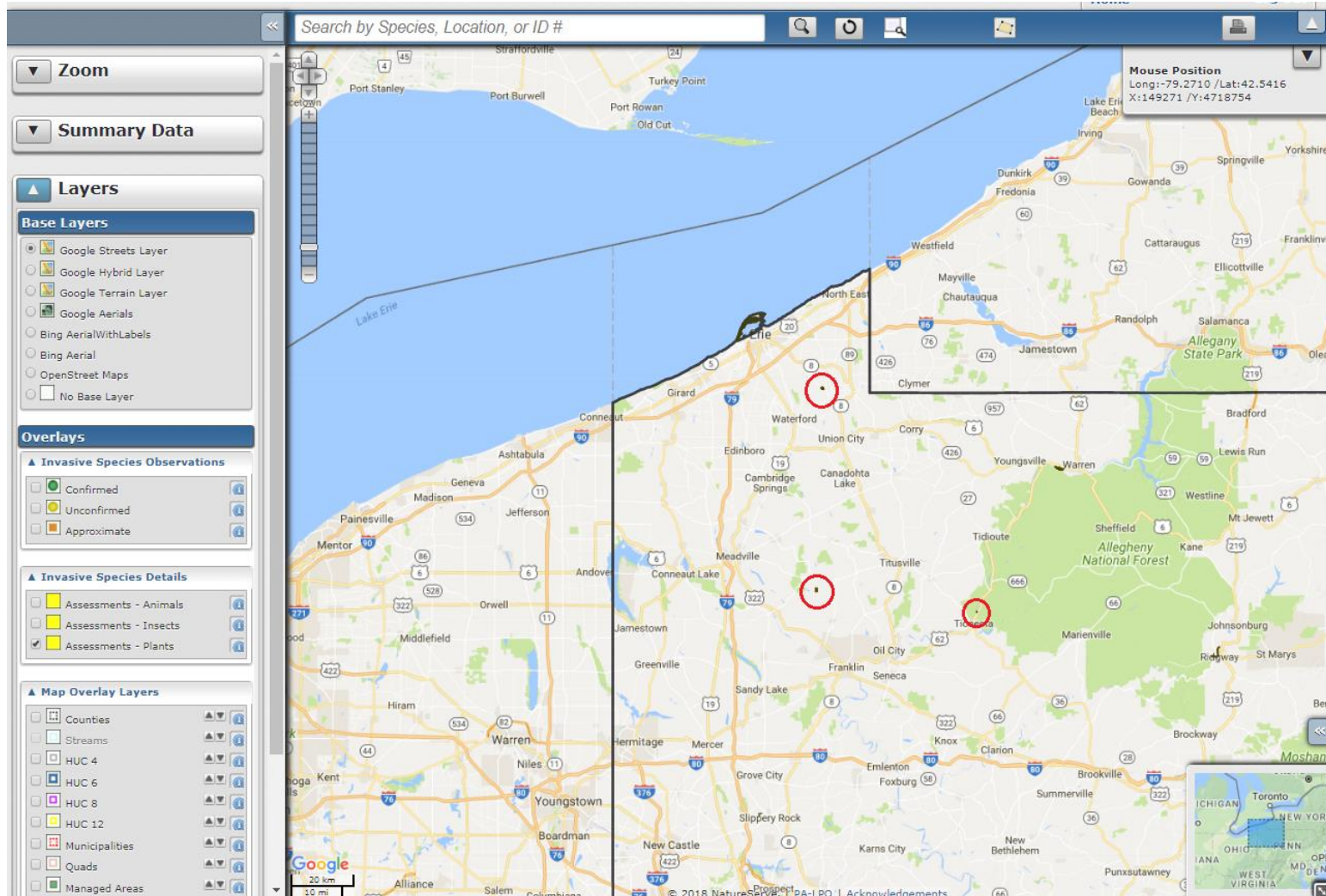


You can also zoom more generally by either using your mouse cursor to move in and out, or by using the zoom tool on the left side of the map.

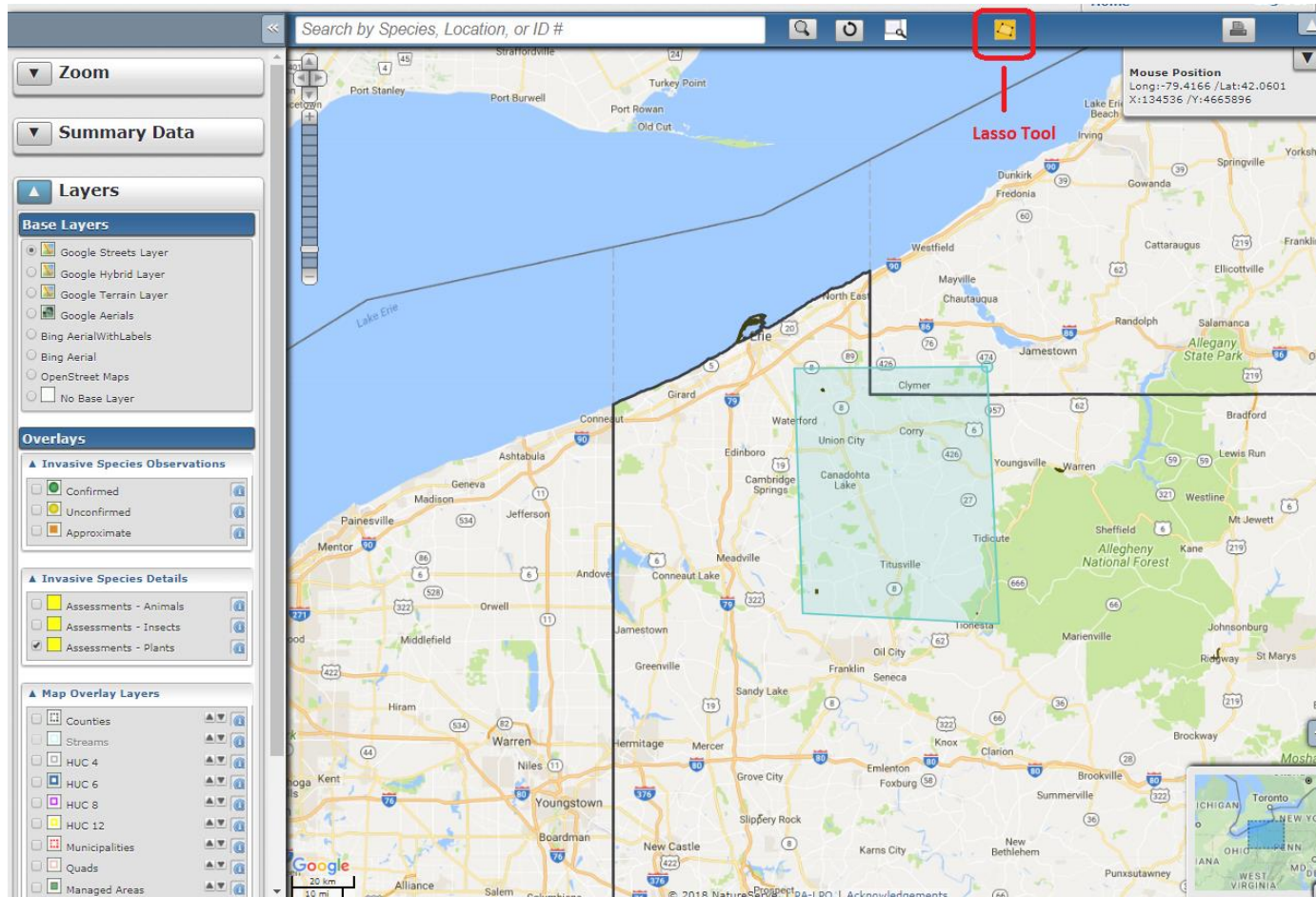
This is what the zoom tool looks like while you are dragging the polygon around the extent you want to view.
When you release the mouse button and then the shift button, the screen will zoom to the new area.



In the new extent you can still barely see the assessment polygons.
You can keep zooming if you know where the polygon is located that you are looking for.



If you want to identify all assessment polygons in a specific area, use the **Lasso Tool**. First, click on the button circled in red. Then draw a polygon around the area you wish to observe. When making your last point with the lasso tool, double click using your mouse to complete the polygon.



Note: You must be zoomed in at least this close for the program to find the polygons.

The program will automatically populate all of the assessments in the selected/lassoed area in the **All Records Results** pop-up window. Browse the records by clicking on their **Assessment IDs**.

The screenshot shows a web application interface for managing invasive species assessments. The main map displays a region in Pennsylvania, including Allegheny State Park and Allegheny National Forest. A search bar at the top allows filtering by species, location, or ID. A sidebar on the left contains controls for zooming, summary data, layers, and map overlay layers. A pop-up window titled 'All Record Results' is open, showing a table of 14 assessment records.

Search by Species, Location, or ID #

Mouse Position
 Long: -78.9826 / Lat: 41.7146
 X: 168667 / Y: 462573

Layers

Base Layers

- ☒ Google Streets Layer
- ☐ Google Hybrid Layer
- ☐ Google Terrain Layer
- ☐ Google Aerials
- ☐ Bing AerialWithLabels
- ☐ Bing Aerial
- ☐ OpenStreet Maps
- ☐ No Base Layer

Overlays

Invasive Species Observations

- ☐ Confirmed
- ☐ Unconfirmed
- ☐ Approximate

Invasive Species Details

- ☐ Assessments - Animals
- ☐ Assessments - Insects
- ☒ Assessments - Plants

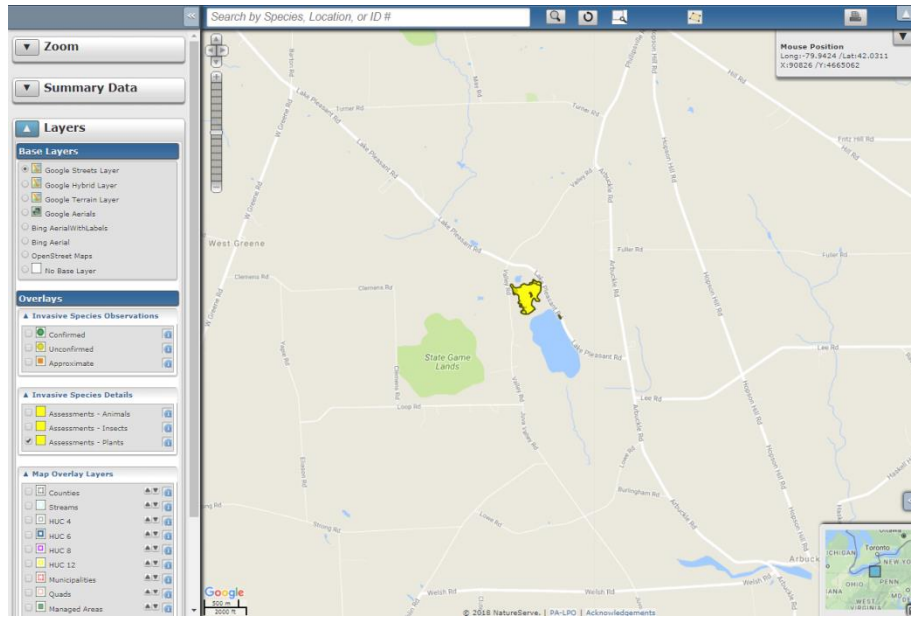
Map Overlay Layers

- ☐ Counties
- ☐ Streams
- ☐ HUC 4
- ☐ HUC 6
- ☐ HUC 8
- ☐ HUC 12
- ☐ Municipalities
- ☐ Quads
- ☒ Managed Areas

All Record Results

ID	Observation	Scientific Name	Common Name	Evaluation Type	Follow Up
PA-2139U-P	PA-4129U	Vinca minor	Lesser Periwinkle	a) Initial	None
PA-2216U-P	PA-8117U	Rosa multiflora	Multiflora Rose	None	b) Management candidate
PA-2171U-P	PA-6714U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2173U-P	PA-6712U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2175U-P	PA-6710U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2179U-P	PA-4160U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2180U-P	PA-4151U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2181U-P	PA-4152U	Phragmites australis ssp. australis	Common Reed	b) Pre-treatment	b) Management candidate
PA-2172U-P	PA-6713U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2178U-P	PA-6708U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2176U-P	PA-6709U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2177U-P	PA-4158U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2174U-P	PA-6711U	Typha angustifolia	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2219U-P	PA-8843U	Ranunculus ficaria	Lesser Celandine	None	None

If you have zoomed in to a specific polygon, you can also identify it by clicking on it instead of using the lasso tool.



Search by Species, Location, or ID #

Zoom

Summary Data

Layers

Base Layers

- ☒ Google Streets Layer
- ☐ Google Hybrid Layer
- ☐ Google Terrain Layer
- ☐ Google Aerials
- ☐ Bing Aerial/WithLabels
- ☐ Bing Aerial
- ☐ OpenStreet Maps
- ☐ No Base Layer

Overlays

Invasive Species Observations

- ☒ Confirmed
- ☐ Unconfirmed
- ☐ Approximate

Invasive Species Details

- ☐ Assessments - Animals
- ☐ Assessments - Insects
- ☒ Assessments - Plants

Map Overlay Layers

- ☐ Counties
- ☐ Streams
- ☐ HUC 4
- ☐ HUC 6
- ☐ HUC 8
- ☐ HUC 12
- ☐ Municipalities
- ☐ Quads
- ☐ Managed Areas

Management Record Results

Radius = 120 meters Observation Visible= false

Assessment - Plant (2)

ID	Observations	Scientific Name	Common Name	Evaluation Type	Follow Up
PA-2180U-P	PA-4151U	<i>Typha angustifolia</i>	Narrowleaf Cattail	b) Pre-treatment	b) Management candidate
PA-2181U-P	PA-4152U	<i>Phragmites australis</i> ssp. <i>australis</i>	Common Reed	b) Pre-treatment	b) Management candidate

THE END