# Entering Survey Data in *i*MapInvasives

**Survey data** provides information on the search for a particular species or set of species including whether or not the species was found (presence or absence). When completing a survey record, you will draw a polygon around the area that was searched and then describe the specifics of the survey (target species, amount of people in the crew, paid vs. volunteer, weather conditions, etc.).

Users **Level 4** and higher will be able to enter survey data.



**To Enter Survey Data**: From the My *i*MapInvasives page, click on the **Survey** link in the Enter Data box.

To begin, you must select what **type** of survey you are entering, as seen in the drop box below. Each survey type has a description available.



After you have selected the survey type, you will then be able to draw the associated survey polygon.

Navigate to your survey area on the map using the zoom tool on the left side. Click the leftmost of the tool buttons in the upper right-hand corner to activate the **Draw** tool, and then click on the map to add vertices to the survey polygon.
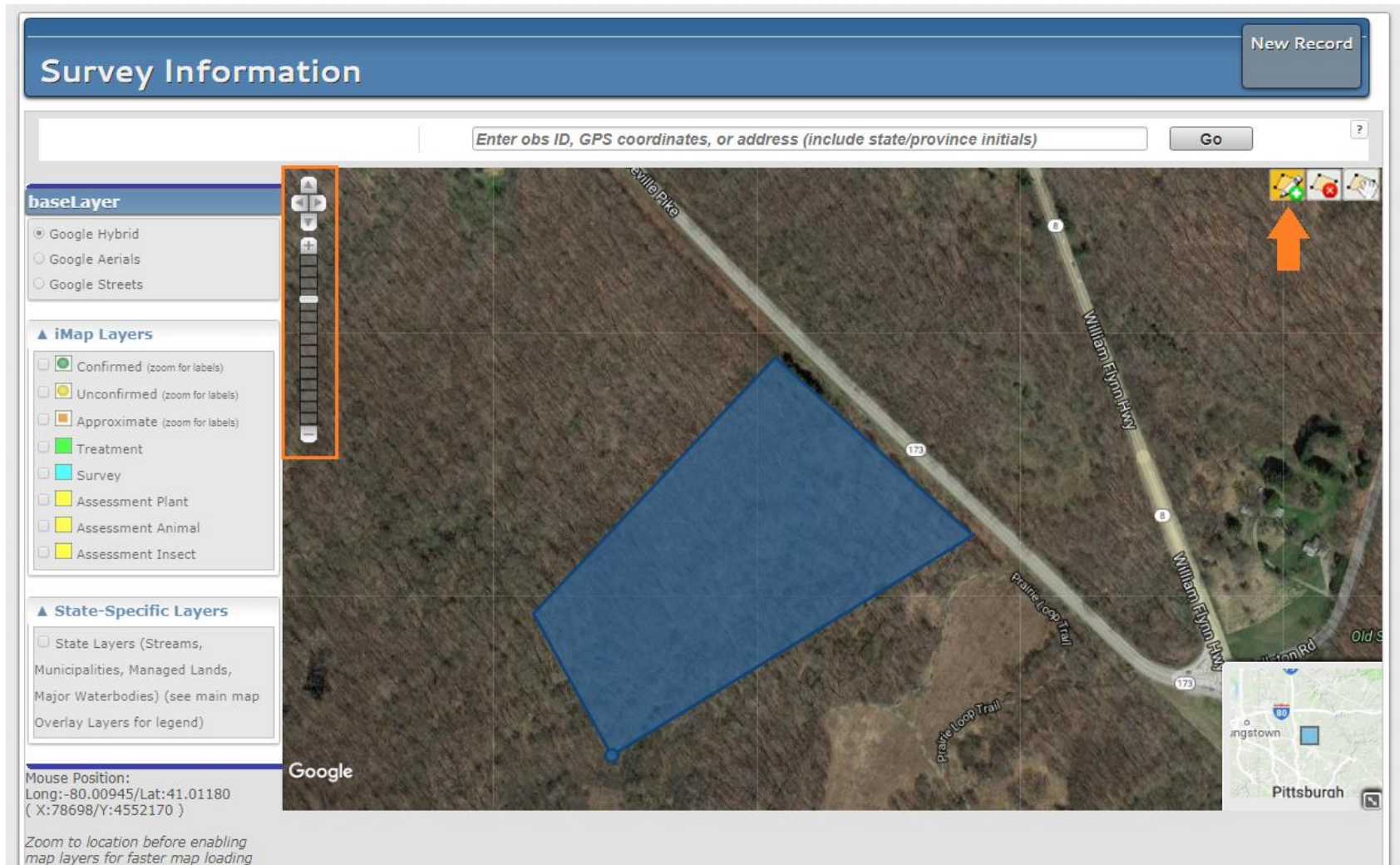


Double click at the last vertices to enclose the polygon.

Click and drag the vertices to reshape the polygon. Use the left tool button to delete the polygon if you wish to re-draw.
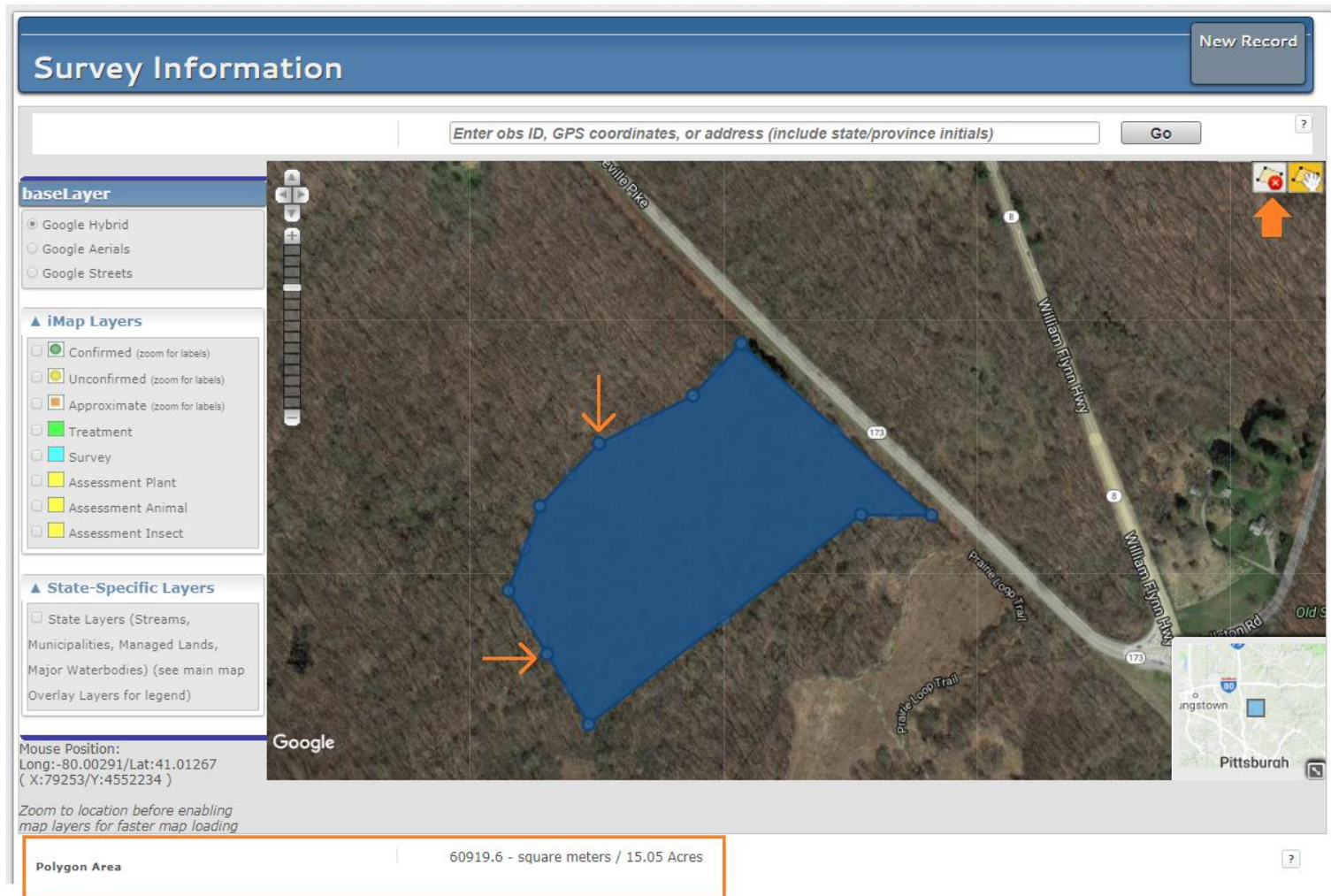


Notice that once you have drawn a polygon, the polygon (survey) area is
displayed in square meters directly below the map for your reference.

Begin filling in the information located in the **Basic Survey Fields** section. <mark>Required fields are highlighted in pink.</mark>
When entering information for the **Survey Start Date** & **Survey End Date** fields, click the white box next to each field label to bring up a calendar for choosing the appropriate day(s).

## Basic Survey Fields

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

| | | |
|---|---|---|
| **\* Type**<br>**For descriptions of all survey types, click here** | Terrestrial Simple – If you need to select a different survey type you will need to restart the record. Press Ctrl + F5 | ? |
| **\* Lead Contact** | Weitzel, Aspen ▼ | ? |
| **Project Name** | ----- ▼ | ? |
| **Site** | | ? |
| **\* Goal** | c) Pre-treatment survey ▼ | ? |
| **\* Start Date** | 2018-04-03 | ? |
| **\* End Date** | | ? |
| **\* Target Species** | | ? |
| **Detected Species** | | ? |

Calendar:

April 2018
◄ ►
| Mo | Tu | We | Th | Fr | Sa | Su |
|----|----|----|----|----|----|----|
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 1 | 2 | 3 | 4 | 5 | 6 |

**An Observation record needs to be created for each Targeted Species Detected.**

○ Automatically generate one observation for each targeted species detected seen above for me.
⦿ Do NOT automatically generate observations for me.

Please enter an Observation for any Targeted Species found. If you enter more than one observation, separate them by a comma or semi-colon
Click the following link to start the data entry process for a new
**Observation record.**

Some fields, such as the **Targeted Species** & **Targeted Species Detected** fields, allow you to choose more than one option. Be sure to choose all species that were targeted and detected for this survey. If none of the targeted species were found during the survey (considered an "absence" survey), be sure to select "None Detected" from the associated list.



Fields in white are optional – fill in those that apply to your survey event.

For any targeted species that were detected during the survey, enter those records as observations into *i*Map by clicking on the **Observation record** link. Then fill in the **Resulting Obs IDs** field with the appropriate observation ID#'s as shown in the iMapInvasives tables (e.g. PA-1830U). Separate each Obs. ID# with a comma or a semi-colon.

Or *i*Map can automatically generate one observation for each targeted species detected on your behalf.

An Observation record needs to be created for each Targeted Species Detected.

○ Automatically generate one observation for each targeted species detected seen above for me.
◉ Do NOT automatically generate observations for me.

Please enter an Observation for any Targeted Species found. If you enter more than one observation, separate them by a comma or semi-colon

Click the following link to start the data entry process for a new **Observation record.**

**Resulting Obs IDs**

ID Numbers (e.g. NY-123456U; NY-316017U or NY-123456U, NY-316017U)

| OBSID | Scientific Name | Observe Date | Observer | Assessment ID | Area (square meters) |
|---|---|---|---|---|---|

**General comments**

The **Advanced Survey Fields** tab has six different additional categories of data to choose from for inclusion in your survey record (all are optional; not required). Choose categories that fit your survey data by clicking on the down arrow next to each category title and filling in the information fields accordingly.

Additional information fields are available at the bottom of the survey record (in this case, information in a Terrestrial Simple survey)
Some fields like "Focus Area of Survey", "Sampling Method", and "Equipment" allow you to select multiple options.
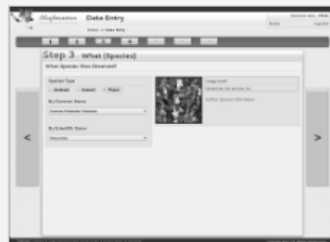Submit/save your survey record by clicking **Update Main Survey**.

Once you have submitted your survey record, you can view it by clicking the **Surveys** link under the View Table box on the My *i*MapInvasives page. This will open a screen with a table of all survey records.

Click on a row in the table to view the survey record.

## Survey Table    [Add New Survey]                                    [Custom Data Query]

[Search input] [Search]                                         0 - 25 of 161 results

| ID | Type | Goal | Lead Contact | Organization(s) | Site | Start Date | End Date | Target Species | Detected Species | Entry Date▼ | Entry Person |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PA-2282U-S | Terrestrial Simple | c) Pre-treatment survey | aspweitzel_3 | not provided | not provided | 2018-04-03 | 2018-04-06 | Elaeagnus umbellata, Rosa multiflora | Elaeagnus umbellata, Microstegium vimineum, Rosa multiflora | 2018-04-09 13:00:42 | aspweitzel_3 |
| PA-2281U-S | Aquatic Simple | b) Find new infestations | chenolan | not provided | Stillwater Lake 1 | 2017-08-20 | 2017-08-20 | Trapa natans | ** None Detected ** | 2017-09-07 14:35:13 | chenolan |
| PA-2280U-S | Aquatic Simple | b) Find new infestations | johchopp | not provided | USACE Mahoning Creek Lake | 2017-07-25 | 2017-07-28 | Trapa natans | ** None Detected ** | 2017-08-15 16:50:56 | johchopp |
| PA-2279U-S | Aquatic Simple | b) Find new infestations | johchopp | U.S. Army Corps of Engineers | Youghiogheny River Lake | 2017-07-11 | 2017-07-13 | Trapa natans | ** None Detected ** | 2017-08-15 15:39:19 | johchopp |
| PA-2278U-S | Aquatic Simple | b) Find new infestations | jasbowers | not provided | Tionesta Lake | 2017-07-28 | 2017-07-30 | Trapa natans | ** None Detected ** | 2017-08-15 14:51:25 | jasbowers |
| PA-2277U-S | Aquatic Simple | b) Find new infestations | jasbowers | not provided | Tionesta Lake | 2017-07-28 | 2017-07-30 | Trapa natans | ** None Detected ** | 2017-08-15 12:37:15 | jasbowers |
| PA-2276U-S | Aquatic Simple | b) Find new infestations | ronkeeney | not provided | Mead Island and behind Mead Island on Allegheny River, Warren, PA back channel | 2015-07-24 | 2015-07-24 | Trapa natans | Trapa natans | 2017-08-11 14:21:12 | ronkeeney |

0 - 25 of 161 results

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You will then see the same screen as when you were entering the survey data before.

If several records are listed in the survey table, you can use the search bar at the top of the page to find the survey(s) you are looking for. For example, you could type in your last name in the search bar to find the surveys you have entered into *i*Map, or you could input a survey ID# (PA-2282U-S) to find a specific record. A **Custom Data Query** can also be performed by clicking on the button in the top right corner.

**Survey Table**    Add New Survey                                                                Custom Data Query

weitzel                          Search

Showing: weitzel    Clear                                                                              0 - 1 of 1 results

| ID | Type | Goal | Lead Contact | Organization(s) | Site | Start Date | End Date | Target Species | Detected Species | Entry Date ▼ | Entry Person |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PA-2282U-S | Terrestrial Simple | c) Pre-treatment survey | aspweitzel_3 | not provided | not provided | 2018-04-03 | 2018-04-06 | Elaeagnus umbellata, Rosa multiflora | Elaeagnus umbellata, Microstegium vimineum, Rosa multiflora | 2018-04-09 13:00:42 | aspweitzel_3 |

When choosing the **Custom Data Query** button from the Survey Table, the Survey-Custom Query tool appears which allows you to choose from several different search criteria to look up the survey(s) you are interested in. Enter information in as many or as few category fields as relevant. Then choose either **View Table** or **View on Map** at the bottom of the page to display your query results.

For example, you could search for terrestrial simple surveys that are pre-treatment for *Rosa multiflora*.
This helps narrow down your search to what you are specifically looking for.

## Survey – Custom Query

### Survey Information

Submitter: [All Users ▼]

Lead Contact: [All Users ▼]

Organization: [All Organizations ▼]

Target Species: [All Species ▼]

Query Type:
- ◉ All Surveys ("Target Species" was searched for)
- ○ Absence ("Target Species" was searched for but not detected - Must select a Target Species above)

Detected Species: [Rosa multiflora ▼]

Survey Goals: [c) Pre-treatment survey ▼]

Follow up Needed?: [--------- ▼]

Survey Type: [Terrestrial Simple ▼]

| ---------- |
| Aquatic Simple |
| Aquatic Systematic |
| Cerceris Wasp |
| Host tree |
| Linear |
| Terrestrial Simple |
| Terrestrial Systematic |

Project: [All pr...  ▼]

Data Status: [

Survey Site N...

Find Surveys that Begin on or after this Date: [              ]

Find Surveys that End on or before this Date: [              ]

### Observation / Assessment

ObsID: [              ]

Infestation Management Record ID: [              ]

[ View Table ]    [ View On Map ]

Here is the query result on the table:

## Survey Table

[Add New Survey]　　　　　　　　　　　　　　　　　　　　　　　　　[Custom Data Query]

### Active Custom Query

Presence or Absence? = Presence | Survey Type = Terrestrial Simple | Survey Goal = c) Pre-treatment survey | Target Species Detected = Rosa multiflora | [Clear Query]

[　　　　　　　　　　] [Search]　　　　　　　　　　　　　　　0 - 4 of 4 results

| ID | Type | Goal | Lead Contact | Organization(s) | Site | Start Date | End Date | Target Species | Detected Species | Entry Date ▼ | Entry Person |
|----|------|------|--------------|-----------------|------|-----------|----------|----------------|------------------|--------------|--------------|
| PA-2282U-S | Terrestrial Simple | c) Pre-treatment survey | aspweitzel_3 | not provided | not provided | 2018-04-03 | 2018-04-06 | Elaeagnus umbellata, Rosa multiflora | Elaeagnus umbellata, Microstegium vimineum, Rosa multiflora | 2018-04-09 13:00:42 | aspweitzel_3 |
| PA-2111U-S | Terrestrial Simple | c) Pre-treatment survey | jorkmetz | Wildlands Conservancy | Urban Forest | 2014-06-22 | 2014-08-22 | Elaeagnus umbellata, Rosa multiflora, Viburnum sieboldii | Elaeagnus umbellata, Rosa multiflora, Viburnum sieboldii | 2014-06-22 17:05:06 | carmartin |
| PA-2110U-S | Terrestrial Simple | c) Pre-treatment survey | jorkmetz | Wildlands Conservancy | Intermediate Trails | 2014-06-13 | 2014-08-22 | Rosa multiflora, Viburnum sieboldii | Rosa multiflora, Viburnum sieboldii | 2014-06-13 13:18:35 | carmartin |
| PA-2104U-S | Terrestrial Simple | c) Pre-treatment survey | jorkmetz | Wildlands Conservancy | Floodplain | 2012-06-05 | 2014-08-22 | Ligustrum obtusifolium, Polygonum cuspidatum; Fallopia japonica var. japonica, Rosa multiflora, Viburnum sieboldii | Ligustrum obtusifolium, Polygonum cuspidatum; Fallopia japonica var. japonica, Rosa multiflora, Viburnum sieboldii | 2014-06-12 11:24:02 | carmartin |

0 - 4 of 4 results

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Here is the query result on the map:
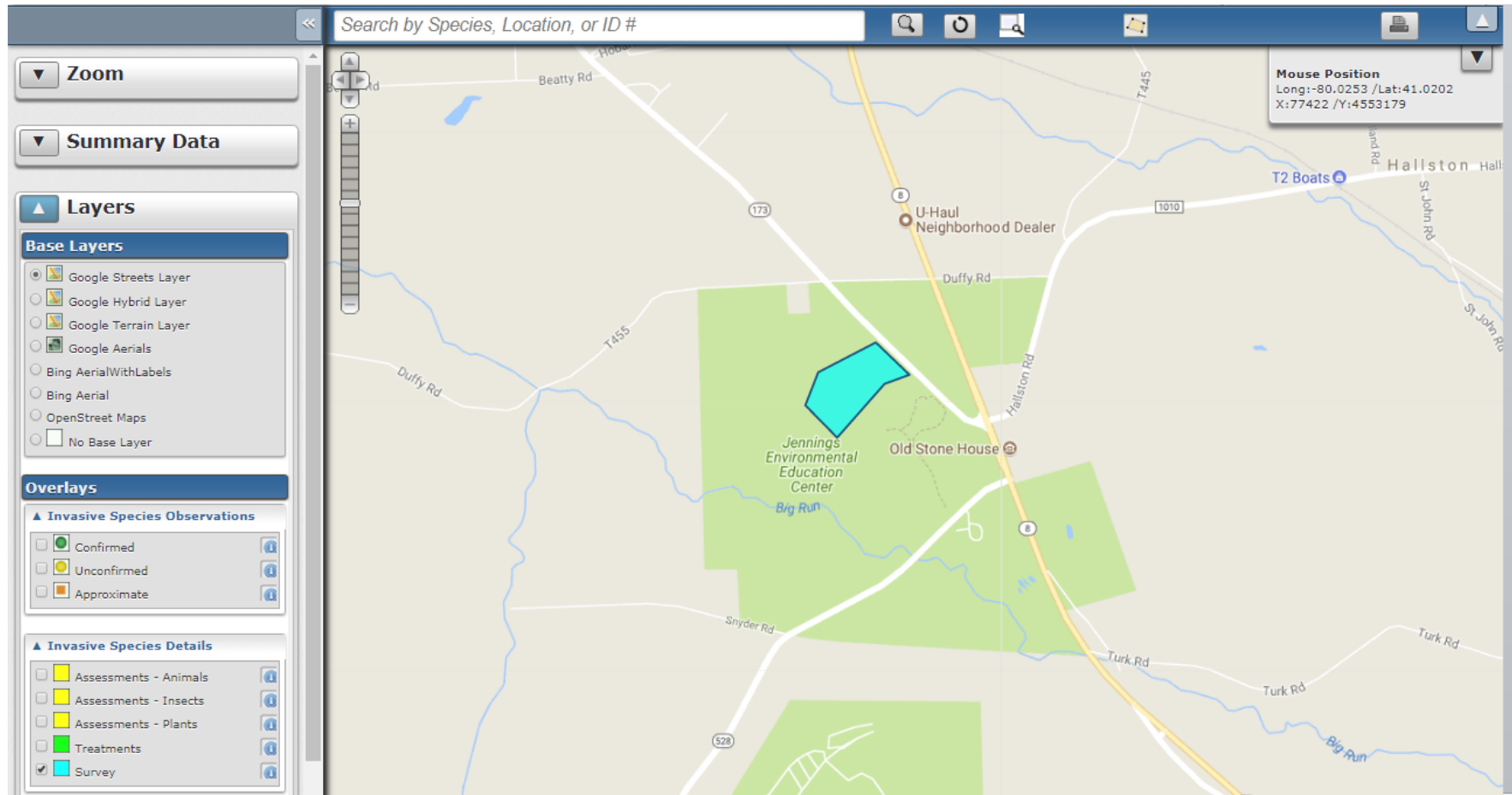
You can also view your survey record directly from the map. On the 'My iMapInvasives' page, click on 'View the Map'. In the legend on the left side, look for the 'Invasive Species Details' section. There, click the check box next to 'Survey'. Watch as the map populates with many small survey polygons.
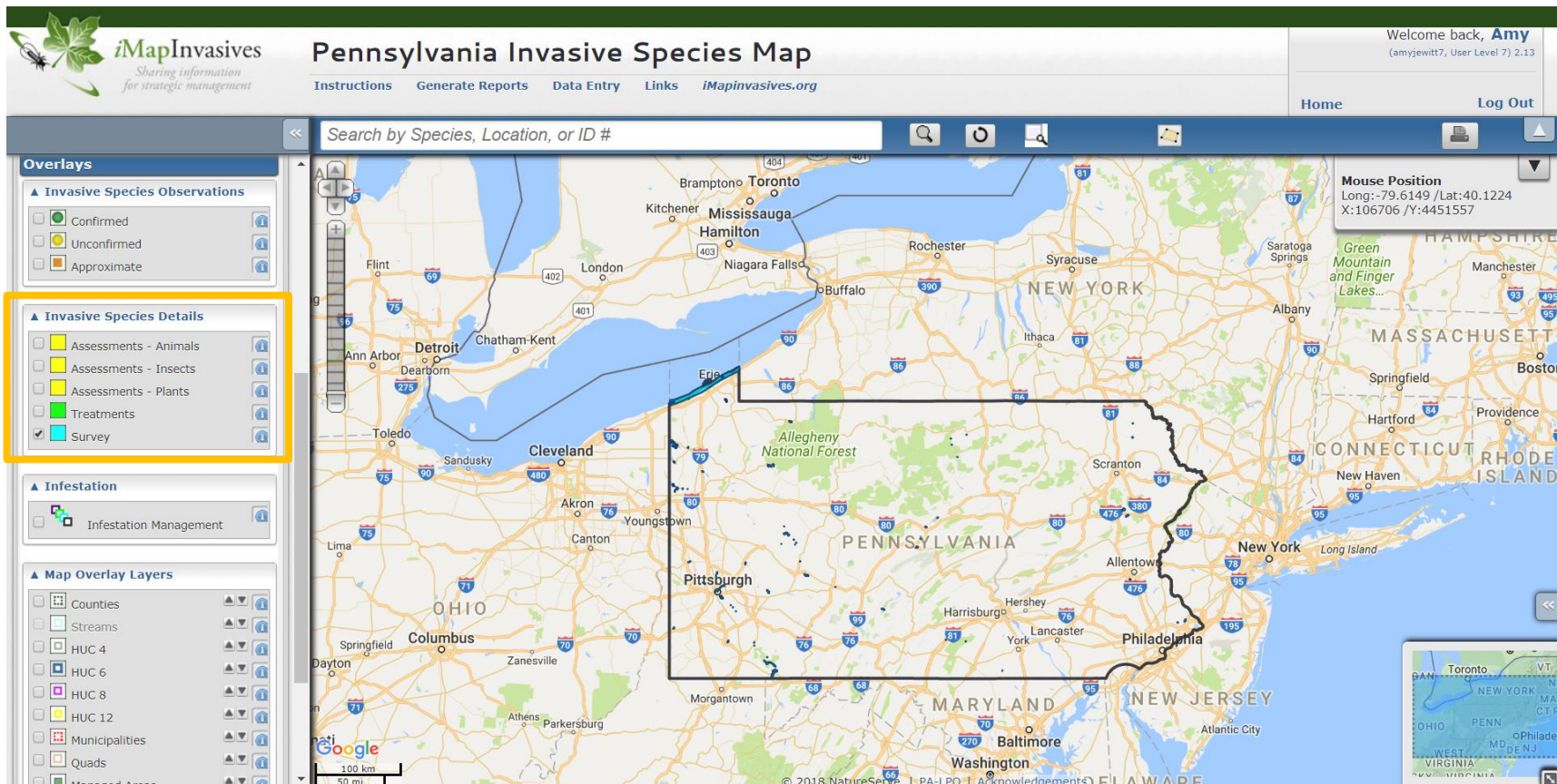
Zoom into your area of interest (where you know your survey to be located) using the zoom ladder on the left side of the page OR zoom by pressing your keyboard's shift key and simultaneously drawing a box around your area of interest.
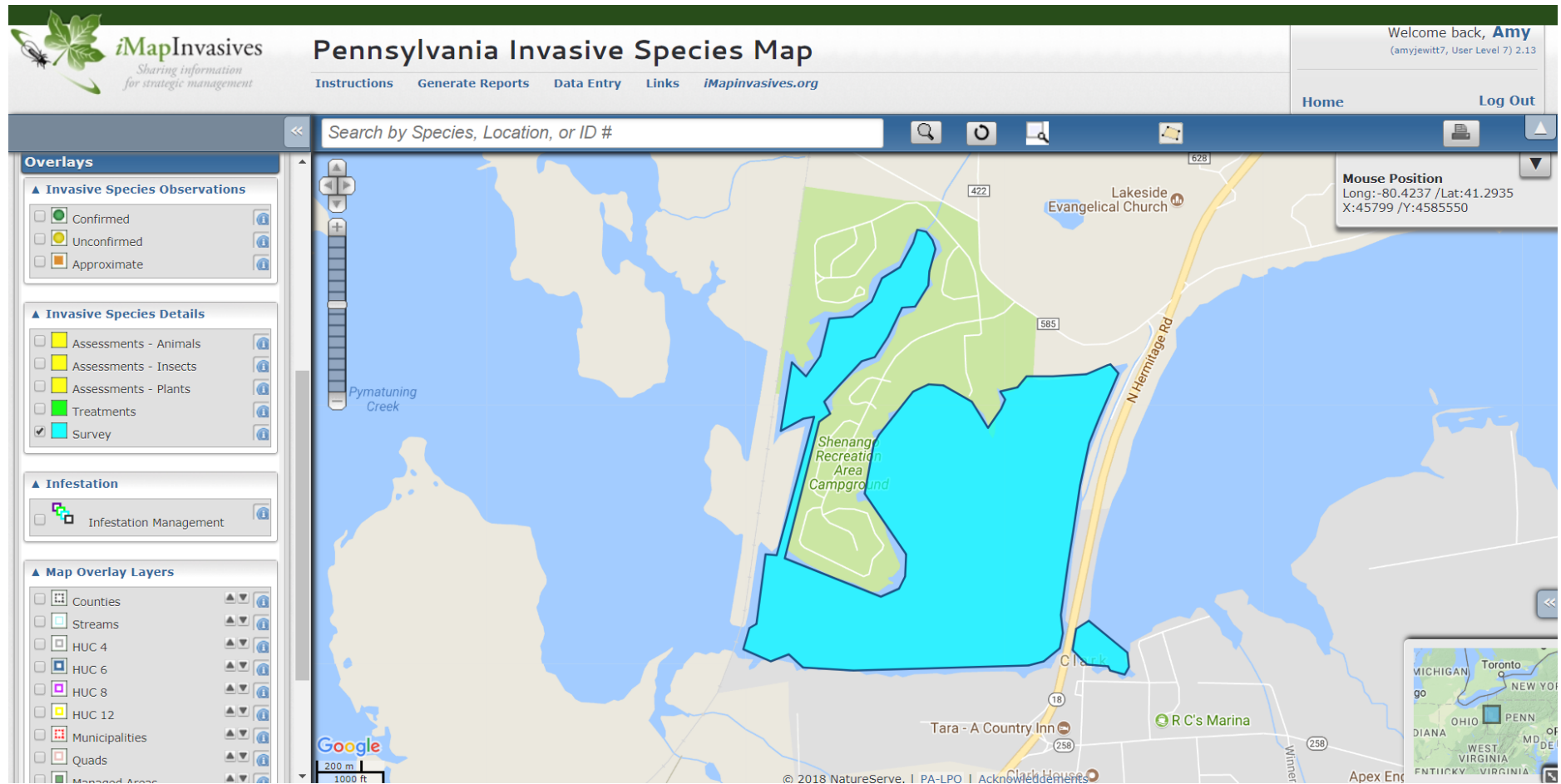
Click on the survey polygon you are interested in to bring up details about it.
Click on the ID# button in the 'Management Record Results box to call up the survey record and view all its associated information.

The End