

Entering Survey Data in iMapInvasives

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.

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, it says "Pennsylvania User Tools" and "Location: My iMapInvasives". In the top right corner, there is a user greeting: "Welcome back, Amy (amystauffer4)" with a "Home" link and a "Log Out" link.


Below the header, there is a navigation bar with three buttons: "My iMapInvasives", "Resources", and "Data Management". The "My iMapInvasives" button is highlighted with a yellow circle.

Below the navigation bar, there are four main sections:

- Enter Data:** This section contains a preview of the data entry form and a list of links: "Observation" and "Survey". The "Survey" link is highlighted with a yellow circle.
- View the Map:** This section contains a preview of the map interface and a link: "View the Map".
- View Table:** This section contains a preview of the data table and a list of links: "All Observations", "Surveys", and "Assessments Animals Insects Plants".
- Query and Reports:** This section contains a preview of the query and reports interface and a list of links: "Custom Observation Query", "View Report for All Data", "View Infested Lake Report", and "View Infested Lake Report with Observations".

From the My iMapInvasives page, click on the **Survey** link in the Enter Data box.

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

**iMapInvasives**
Sharing information for strategic management

Pennsylvania User Tools
[Data Management](#) :: [Surveys](#) :: [Survey Information](#)

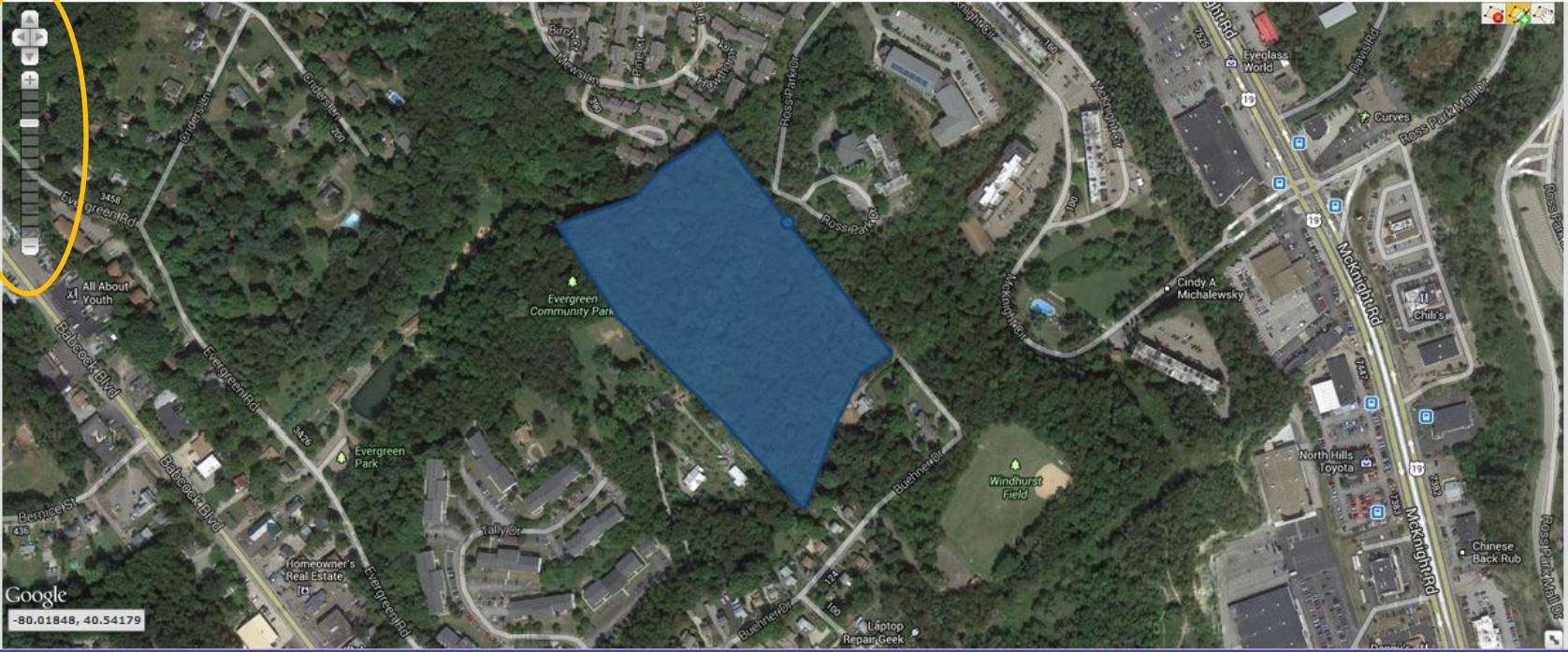
Welcome back, **Amy** (amystauffers)
[Home](#) [Log Out](#) 1.96

Survey Information

[New Record](#)

* Draw Survey Area (use the buttons on the top right side of the map to add a feature)

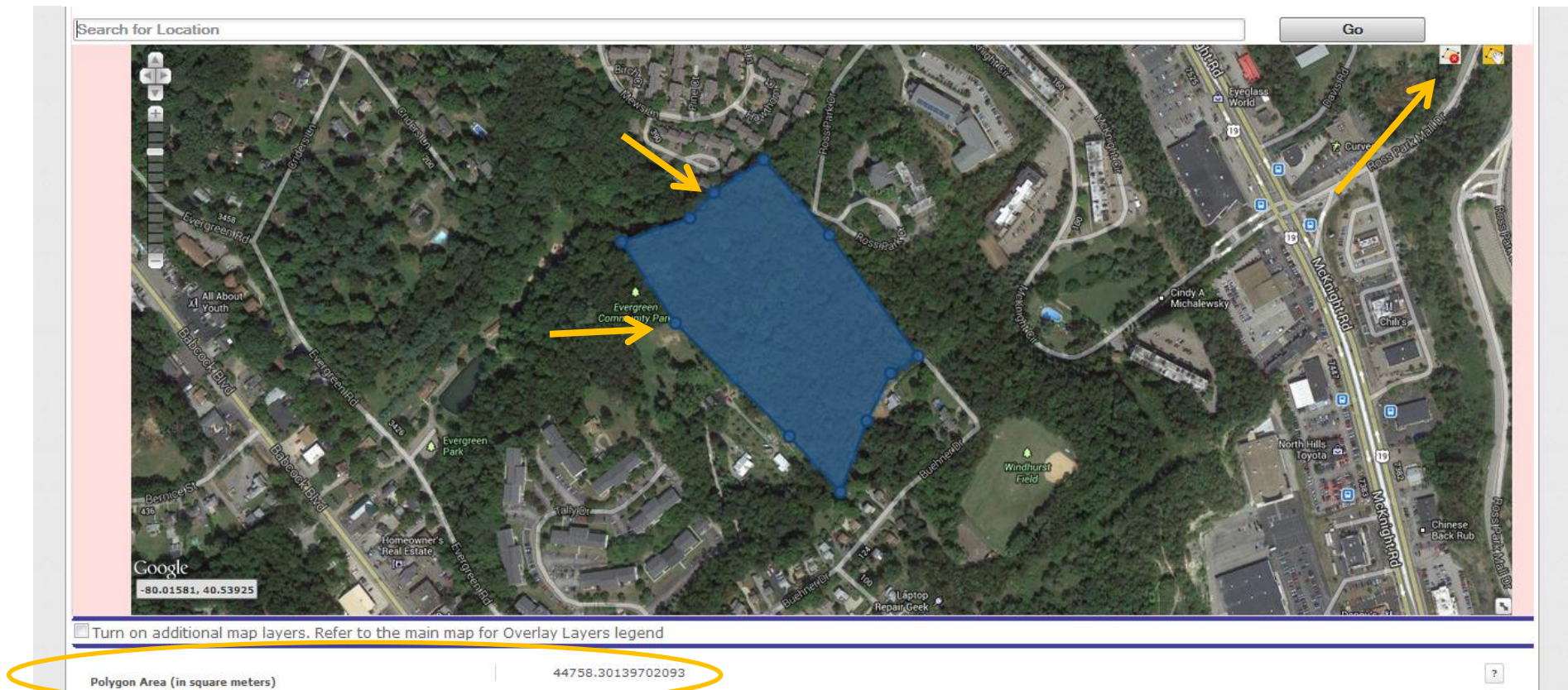
- Use the green '+' button to draw a new polygon
 - Double click to end drawing the survey polygon
 - Do NOT allow lines of polygon to overlap
- Use the red 'x' button to delete a polygon
- Fine-tune polygon by moving the circles along outline of shape



Google
-80.01848, 40.54179

☐ Turn on additional map layers. Refer to the main map for Overlay Layers legend

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. Required fields are highlighted in pink.

When entering information for the **Survey Start Date** & **Survey End Date** fields, click on 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.

* Lead Contact	<input type="text" value="Stauffer, Amy"/>	?
Project Name	<input type="text"/>	?
Site Name	<input type="text"/>	?
* Survey Goal	<input type="text" value="b) Find new infestations"/>	?
* Survey Start Date	<input type="text" value="2013-06-01"/>	?
* Survey End Date	<input type="text"/>	?
* Targeted Species	<input type="text"/>	?
Targeted Species Detected	<input type="text"/>	?
Resulting Obs IDs	<input type="text"/>	?

Please enter an Observation for any Targeted Species found.
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**, 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, be sure to select “None Detected” from the associated list.

Basic Survey Fields

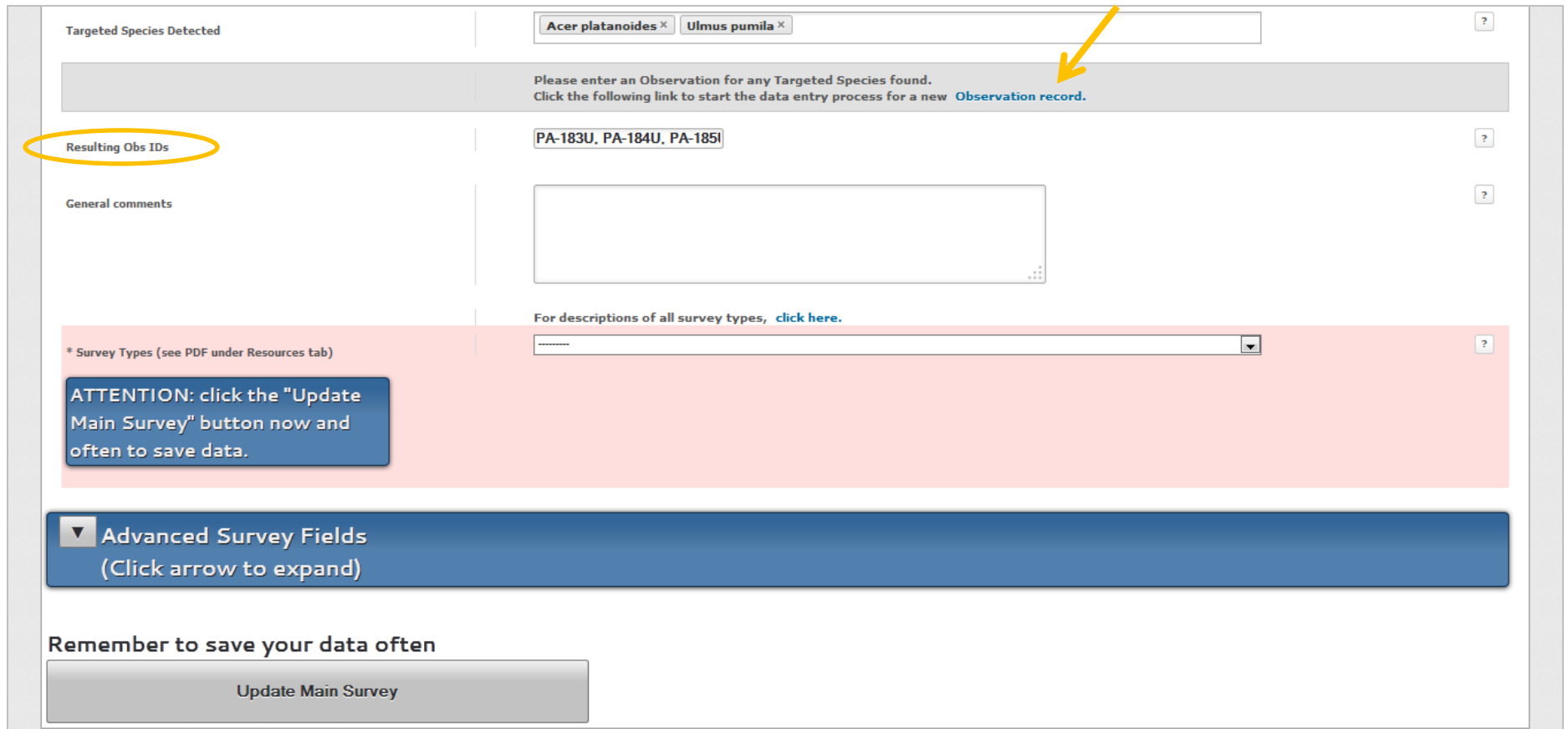
Do not use special symbols in text boxes. Only letters, numbers, and characters found on common keyboards are accepted.

* Lead Contact	Stauffer, Amy	?
Project Name	----	?
Site Name		?
* Survey Goal	b) Find new infestations	?
* Survey Start Date	2013-06-01	?
* Survey End Date	2013-06-28	?
* Targeted Species	Acer platanoides × Acer pseudoplatanus × Ulmus pumila ×	?
Targeted Species Detected	<div><div>Acer platanoides ×</div><div>trapa natans</div><div>Typha angustifolia</div><div>Typha x glauca</div><div>Ulmus pumila</div><div>Valvata piscinalis</div><div>Veronica anagallis-aquatica</div><div>Viburnum dilatatum</div></div>	?
Resulting Obs IDs		?

www.imapinvasives.org/paimi/survey/new/#

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 *iMap* 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-183U). Separate each Obs. ID# with a comma or semi-colon.



The screenshot shows a web form for data entry. At the top, a section titled "Targeted Species Detected" contains two tags: "Acer platanoides" and "Ulmus pumila". Below this is a grey instruction bar that says "Please enter an Observation for any Targeted Species found. Click the following link to start the data entry process for a new [Observation record](#)." A yellow arrow points from this bar to the "Observation record" link. The "Resulting Obs IDs" field, which is circled in yellow, contains the text "PA-183U, PA-184U, PA-185U". Below this is a "General comments" text area. A pink banner at the bottom contains a blue box with the text "ATTENTION: click the 'Update Main Survey' button now and often to save data." and a dropdown menu for "Survey Types". At the very bottom, there is a blue bar with a dropdown arrow and the text "Advanced Survey Fields (Click arrow to expand)", and a grey button labeled "Update Main Survey".

Targeted Species Detected	Acer platanoides Ulmus pumila
Please enter an Observation for any Targeted Species found. Click the following link to start the data entry process for a new Observation record .	
Resulting Obs IDs	PA-183U, PA-184U, PA-185U
General comments	
For descriptions of all survey types, click here .	
* Survey Types (see PDF under Resources tab)	
ATTENTION: click the "Update Main Survey" button now and often to save data.	
▼ Advanced Survey Fields (Click arrow to expand)	
Remember to save your data often	
Update Main Survey	

When choosing a **Survey Type**, click on the hyperlink to see descriptions of all the different survey types.

Resulting Obs IDs

PA-183U, PA-184U, PA-185U

?

General comments

?

* Survey Types (see PDF under Resources tab)

ATTENTION: click the "Update Main Survey" button now and often to save data.

For descriptions of all survey types: [click here.](#)

.....

.....

Aquatic Simple

Aquatic Systematic

Cerceris Wasp

Host tree

Terrestrial Simple

Terrestrial Systematic

?

▼ Advanced Survey Fields

(Click arrow to expand)

Remember to save your data often

Update Main Survey

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Once your survey type has been chosen, additional fields will appear that are specific to the survey type selected. In this example, choosing “**Host Tree**” as the survey type revealed additional fields which allow the user to choose specific host tree species and “**Binoculars**” as the survey method. Additionally, keep in mind that several fields allow more than one option to be chosen. In this screenshot, you can see that **Host Tree Species** and **Survey Method** each allow this option.

The screenshot displays a web-based survey form. At the top, a pink banner contains the text: "For descriptions of all survey types, [click here.](#)" and a dropdown menu with "Host tree" selected. Below this, a blue box with white text reads: "ATTENTION: click the 'Update Main Survey' button now and often to save data." A blue bar with a downward arrow icon and the text "Advanced Survey Fields (Click arrow to expand)" is visible. Below this, a blue bar with the text "Survey Type: Host_tree Details" is circled in yellow. The form is divided into two main sections. The first section, labeled "Host Tree Species", includes a text input field with the placeholder "Select Some Options" and a large text area for "Host Tree Species Comments". The second section, labeled "Survey Method", includes a dropdown menu with a list of options: "a) Binoculars", "b) From canopy", "c) Collecting", and "d) Other". Two yellow arrows point to the "Host Tree Species" and "Survey Method" labels on the left side of the form.

* Survey Types (see PDF under Resources tab)

For descriptions of all survey types, [click here.](#)

Host tree

ATTENTION: click the "Update Main Survey" button now and often to save data.

Advanced Survey Fields
(Click arrow to expand)

Survey Type: Host_tree Details

Host Tree Species

Select Some Options

Host Tree Species Comments

Survey Method

Survey Method Comments

a) Binoculars
b) From canopy
c) Collecting
d) Other

In this particular example, the survey type “Host Tree” allows individual records to be recorded for multiple points taken during the survey (ex. Multiple host trees in a woodlot survey). To add a new record, first click **Update Main Survey** and then select **New Record**. Fill in the appropriate fields and select **Save Records** to save the information. Repeat the process for additional survey records.

Are trees in forest interior?

Unknown

?

Location Comments

?

Survey Comments

?

Remember to save your data often

Update Main Survey

View on Map

Individual Host Tree Records

Host Tree ID	Damage Type	Damage Severity	Diameter at Breast Height	Longitude	Latitude	Tree Comments	Remove
	Select Some Op			-73.45	42.40		X

New Record

Save Records

?

The **Advanced Survey Fields** tab has six different categories of data types to choose from for inclusion in your survey data record. Choose categories that fit your survey data by clicking on the down arrow next to each category title and filling in the informational fields accordingly.

Advanced Survey Fields
(Click arrow to expand)

▼ Who

▲ What

Targeted Species	Acer platanoides, Acer pseudoplatanus, Ulmus pumila	
Targeted Species Detected	Acer platanoides, Ulmus pumila	
Survey Goal	b) Find new infestations	
Survey Goal Comments	<input type="text"/>	?
Protection Goal	<input type="text"/>	?
Infestation Management Records	<input type="text"/>	?

▼ When

▼ Where

▼ Weather

▼ Photos and Sketchmaps

* Survey Types (see PDF under Resources tab)

ATTENTION: click the "Update Main Survey" button now and often to save data.


▲ Advanced Survey Fields (Click arrow to expand)

- ▼ Who
- ▼ What
- ▼ When
- ▼ Where
- ▼ Weather
- ▼ Photos and Sketchmaps

Remember to save your data often

Update Main Survey

When all information has been entered, click the **Update Main Survey** button to submit the survey record.




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Pennsylvania User Tools
Location: **My iMapInvasives**

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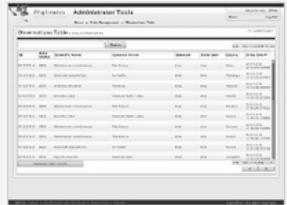
[My iMapInvasives](#) [Resources](#) [Data Management](#)

Enter Data


- [Observation](#)
- [Survey](#)

View the Map

- [View the Map](#)

View Table


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

Query and Reports

- [Custom Observation Query](#)
- [View Report for All Data](#)
- [View Infested Lake Report](#)
- [View Infested Lake Report with Observations](#)

Once you have submitted the survey record, you can view it by clicking the **Surveys** link under the View Table box on the My iMapInvasives 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.
You will see the same screen as when you were entering the survey data before.



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Pennsylvania User Tools
[Data Management](#) :: [Survey Table](#)

Welcome back, **Amy** (amystauffer4) 1:55
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Survey Table [Add New Survey](#) [Custom Data Query](#)

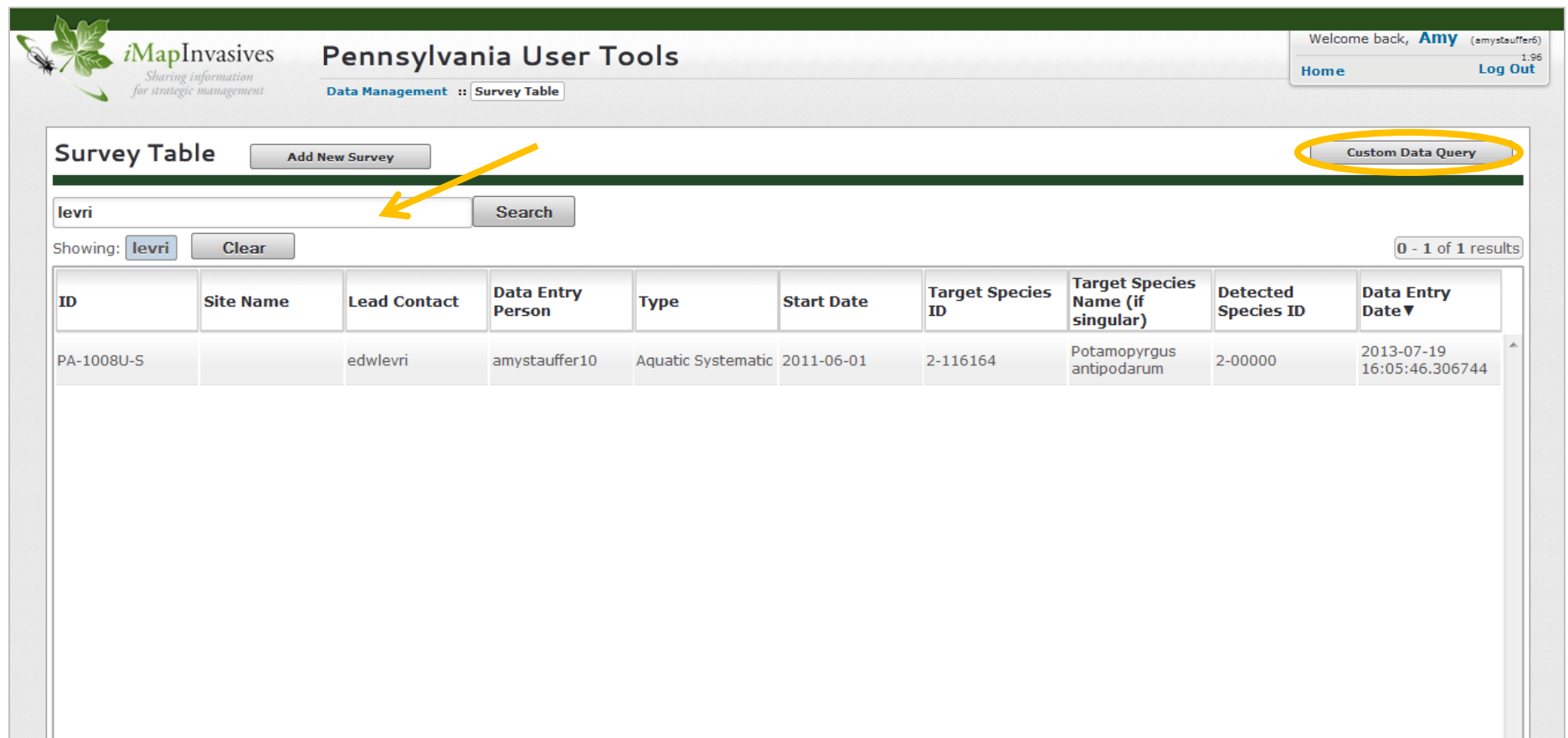
[Search](#) 0 - 1 of 1 results

ID	Site Name	Lead Contact	Data Entry Person	Type	Start Date	Target Species ID	Target Species Name (if singular)	Detected Species ID	Data Entry Date ▼
PA-1006U-S		amystauffer4	amystauffer6	Host tree	2013-06-01	2-140646, 2-159006, 2-137202		2-140646, 2-137202	2013-06-28 15:56:11.792189

0 - 1 of 1 results [<](#) [>](#)

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 *iMap*, or you could input a survey ID# (PA-1008U-S) to find a specific record.


A **Custom Data Query** can also be performed by clicking on the button in the top right corner.



The screenshot displays the 'Survey Table' interface within the 'Pennsylvania User Tools' section of the iMapInvasives website. The page header includes the iMapInvasives logo, the title 'Pennsylvania User Tools', and a user welcome message for 'Amy' with a 'Log Out' button. The 'Survey Table' section features an 'Add New Survey' button and a 'Custom Data Query' button (circled in yellow). A search bar contains the text 'levri', with a yellow arrow pointing to it, and a 'Search' button. Below the search bar, it indicates 'Showing: levri' with a 'Clear' button and '0 - 1 of 1 results'. A table lists the survey details:

ID	Site Name	Lead Contact	Data Entry Person	Type	Start Date	Target Species ID	Target Species Name (if singular)	Detected Species ID	Data Entry Date▼
PA-1008U-S		edwlevri	amystauffer10	Aquatic Systematic	2011-06-01	2-116164	Potamopyrgus antipodarum	2-00000	2013-07-19 16:05:46.306744

When choosing the Custom Data Query button from the Survey Table page, 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 survey query results.



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Pennsylvania User Tools
[Data Management](#) :: [Survey Query](#)

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Survey - Custom Query

Survey Information

Submitter:

Lead Contact:

Organization:

Target Species:

Query Type:
☒ All Surveys ("Target Species" was searched for)
☐ Absence ("Target Species" was searched for but not detected)

Detected Species:

Survey Goals:

Survey Type:

Project:

Data Status:

Survey Site Name:

Find Surveys that Begin on or after this Date:

Find Surveys that End on or before this Date:

Observation / Assessment

ObsID:

View Table

View On Map

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