

# iMapInvasives Network 2023 Annual Report

iMapInvasives is an online invasive species database and mapping system powered by the international non-profit, [NatureServe](https://www.natureserve.org/). Natural resource professionals & community scientists use iMapInvasives in their work to protect natural resources from the negative impacts of invasive species in North America.



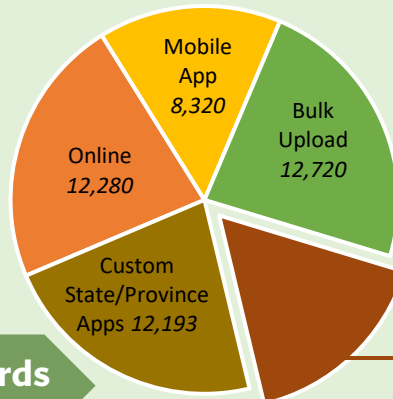
**iMapInvasives**

*Sharing information for strategic management*

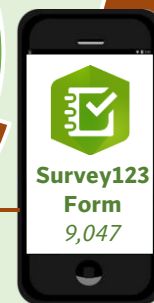
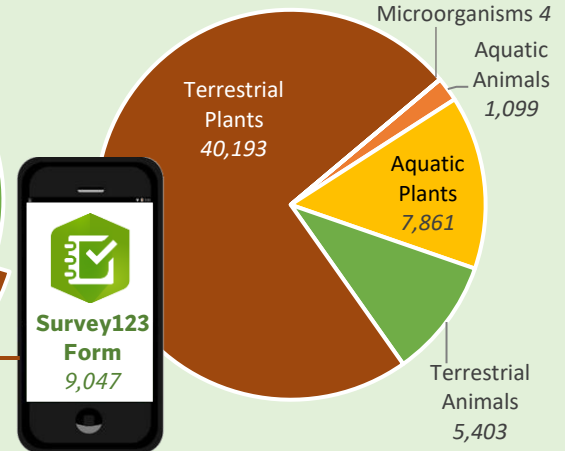
## Data Added in 2023

- 54,560** Presence records
- 26,058** Not-detected records
- 5,239** Treatment records
- 3,513** New users

## Data Entry Method



## Species Type



## Breakdown of 2023 Presence Records *by data entry method, taxonomy, and habitat*

## Updates From 2023

**Filter Records**  
Turn on relevant layers to see filtered data.

Layer Visibility:

- Confirmed Presences
- Confirmed Approximate Present Species
- Unconfirmed Present Species
- Unconfirmed Approximate Present Species
- Not-Detected Species
- Treatments
- Confidential Present Species
- Confidential Not Detected Species
- Confidential Treatments

**Filter Record Tool**

The **filter record tool** now allows iMapInvasives users to select data layers to filter within the tool itself, without having to click through the Layers On/Off options in the contents pane. When you click on the tool and set your filters a new window pops up with toggles for the data layers. The filtered records are then displayed on the map.

## Selected Studies & Tools Using iMap Data

Moore, J., et al. (2023) **Water chestnut biomass estimates using density as a proxy: Facilitating multiyear comparisons with a streamlined approach**, *J. Aquat. Plant Manage.*, [www.apms.org/wp-content/uploads/japm-61-01-15-full.pdf](https://www.apms.org/wp-content/uploads/japm-61-01-15-full.pdf)

Finley, D., Dovciak, M., & Dean, J. (2023) **A data driven method for prioritizing invasive species to aid policy and management**, *Biol Invasions*, [doi.org/10.1007/s10530-023-03041-3](https://doi.org/10.1007/s10530-023-03041-3)

New York Natural Heritage Program (2023) **Management Outcomes Analysis**, [nynhp.org/invasives/management-outcomes-analysis/](https://nynhp.org/invasives/management-outcomes-analysis/)

## Survey123 – Simple Option

The **Survey123 field data form** now includes a simple option for quick collection of point-based presence, absence, and treatment records!

**Advanced data collection option (classic)**  
Manually draw a searched area polygon, and add one or more features within.

**Simple data collection option (new)**  
Drop one point to represent the location of your observation, and an auto-generated circle around that point will serve as your searched area and more.

**Drop your point**

- Your device can grab your GPS coordinates, or
- You can manually drop point on map

Option to add:

- Present species

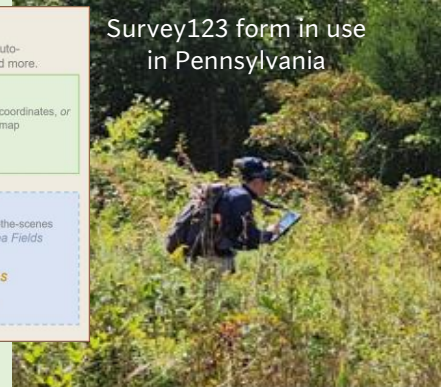
**Searched Area**

5-meter buffer generated behind-the-scenes

Option to fill out Searched Area Fields and add:

- Not-detected species
- Treatment records

Survey123 form in use in Pennsylvania



Learn more and create an account at [imapinvasives.org](https://imapinvasives.org)

POWERED BY NATURESERVE

Top 10 Reported Species in 2023



Multiflora Rose



Eurasian Water-milfoil



Common Tansy



European Common Reed



Bush Honeysuckle

# Top 10 Species Reported in iMapInvasives in 2023

Species Name	Record Count
Multiflora Rose <i>(Rosa mutlifora)</i>	3,655
Eurasian Water-milfoil <i>(Myriophyllum spicatum)</i>	3,571
Common Tansy <i>(Tanacetum vulgare)</i>	2,437
European Common Reed <i>(Phragmites australis ssp. australis)</i>	2,238
Bush Honeysuckle (species unknown) <i>(Lonicera spp.)</i>	2,125
Common Wormwood <i>(Artemisia absinthium)</i>	2,119
Hemlock Woolly Adelgid <i>(Adelges tsugae)</i>	2,055
Oriental Bittersweet <i>(Celastrus orbiculatus)</i>	1,839
Japanese Stiltgrass; Nepalese Browntop <i>(Microstegium vimineum)</i>	1,642
Japanese Knotweed <i>(Reynoutria japonica var. japonica)</i>	1,545



Wormwood



Hemlock Woolly Adelgid



Oriental Bittersweet



Japanese Stiltgrass



Japanese Knotweed

## 2023 Selected Program Highlights

**Pennsylvania Natural Heritage Program:** created a new Noxious Weed Dashboard by PA Legislative District so legislators can easily see what is happening near their constituents.  
[waterlandlife.org/palegdashboard/](http://waterlandlife.org/palegdashboard/)

**New York Natural Heritage Program:** developed a new interactive map viewer that highlights rare, threatened, and endangered species and significant natural communities in close proximity to iMapInvasives presence and treatment locations. Key conservation partners across the state use this map to direct invasive species management efforts to protect biodiversity.

Learn more and create a free account at [imapinvasives.org](http://imapinvasives.org)

- ✓ [Explore the database](#)
- ✓ [View the iMap StoryMap](#)
- ✓ [Watch iMap Network-wide Q&A panel \(recording\)](#)
- ✓ [Learn more about the iMap network](#)

Interested in  
Joining   
the Network?

Visit [imapinvasives.org/members](http://imapinvasives.org/members)

## Participating Programs

**Arizona**  
[AZ Heritage Data Management System](#)

**Maine**  
[Maine Natural Areas Program \(MNAP\)](#)

**The Maritime Provinces**  
New Brunswick Invasive Species Council  
Prince Edward Island Invasive Species Council  
Nova Scotia Invasive Species Council

**New York**  
[New York Natural Heritage Program](#)

**Oregon**  
[Oregon Biodiversity Information Center](#)

**Pennsylvania**  
[Western Pennsylvania Conservancy and Pennsylvania Natural Heritage Program](#)

**Saskatchewan**  
[Saskatchewan Conservation Data Center \(SKDC\)](#)