

iMapInvasives Network 2022 Annual Report

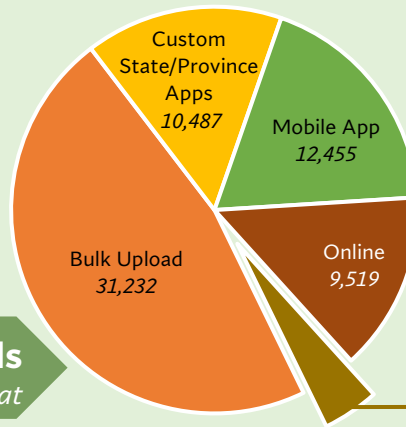
iMapInvasives is an online invasive species database and mapping system powered by the international non-profit, [NatureServe](https://www.natureserve.org/). Natural resource professionals & community scientists use iMapInvasives in their work to protect natural resources from the negative impacts of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



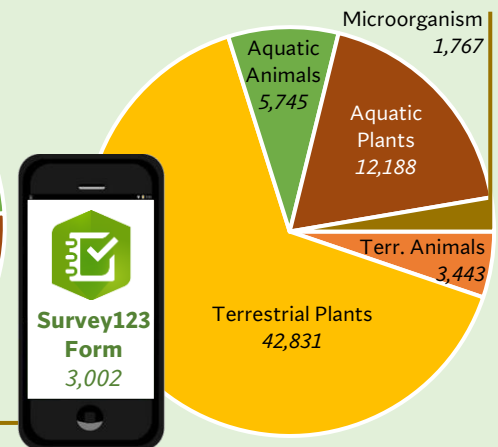
Data Added in 2022

- 66,695** Presence records
- 27,705** Not-detected records
- 4,266** Treatment records
- 3,870** New users

Data Entry Method



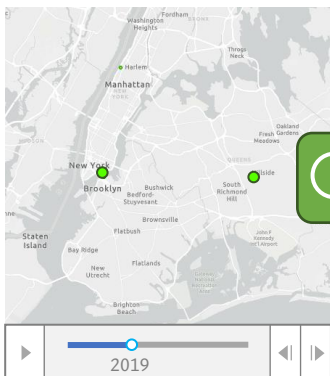
Species Type



Breakdown of 2022 Presence Records

by data entry method, taxonomy, and habitat

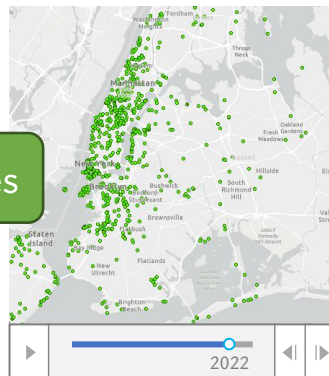
Updates From 2022



New tool animates change over time on the map:

Site Time Series

Example: view the spread of **spotted lanternfly** in NYC from 2019-present.



Selected Studies & Tools Using iMap Data

Araya-Donoso et al. (2022) **Geospatial assessment of freshwater invasive species to inform turtle conservation and management**, *Aquatic Conservation*, doi.org/10.1002/aqc.3816

Magidow et al. (2022) **Soil Characteristics of North American Sites Colonized by the Non-Native, Invasive Vines Black Swallow-Wort and Pale Swallow-Wort**, *BioOne*, doi.org/10.1656/045.029.0111

New York Natural Heritage Program (2022) **Aquatic Invasive Species Ponds & Lakes Prioritization Tool**, nynhp.org/projects/aquatic-invasive-prioritization/

Horizon Scanning Alert System

This new email alert empowers managers to keep tabs on *what's on the horizon* - new species reported within & surrounding an area of interest (e.g., state/province, county, park, or waterbody).



Select an area & receive a weekly table of new species reported in and around the area, with clickable links to the records in iMap or iNaturalist.

Data Source	In Geography	Near Buffer	Far Buffer
iMapInvasives	0	28	15
iNaturalist	56	81	176
Total	56	109	191

Far buffer
100 miles

Near buffer
25 miles

Within area

Learn more and create an account at
imapinvasives.org

POWERED BY NATURESERVE

Highlights from our Network

The Maritime Provinces

In 2022, we welcomed three new provinces to the network – Nova Scotia, New Brunswick, and Prince Edward Island

*“We chose to join the iMapInvasives network as part of our regional effort to centralize and increase the amount of much-needed invasive species data across the Maritimes. We were specifically drawn to iMap not only because it’s an easy **‘one-stop-shop’** for recording and compiling all sorts of different types of data, but because it has many features that make it an extremely useful management tool for our partners and stakeholders in the field dealing with invasive species on a day-to-day basis. These features include the ability to set up **custom email alerts** for new species in or adjacent to their areas, track management efforts over time, create projects and distribution maps, and most importantly, run a huge array of **custom reports that make exploring, analysing, and reporting their data a breeze!**”*

- **Kristin Elton**

Program Director - [New Brunswick Invasive Species Council](#)

Saskatchewan

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

Oregon

[Oregon Biodiversity Information Center](#)

Interested in Joining the Network?



Visit

imapinvasives.org/members

Arizona

[AZ Heritage Data Management System, AZ Game & Fish Department](#)

Maine

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

Learn more and create a free account at imapinvasives.org

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

Pennsylvania

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

New York

[New York Natural Heritage Program \(NYNHP\)](#)