



iMap Invasives
geotracking invasive exotic species

Jennifer Dean
New York Natural Heritage Program

New York Invasive Species Task Force Recommendations

Statewide Invasive Species Database

- Aggregation center for all-taxa data
- Communication network (EDRR)
- Online data entry
- Different “user levels”
- Lead Partner Organization

iMapInvasives Partnership



New York
Natural Heritage
Program



Funding provided by:

New York State Environmental Protection Fund



2010: Live in New York!



iMapInvasives
tracking invasive exotic species

New York Invasive Species Map

[Instructions](#) [Generate Reports](#) [Data Entry](#) [Links](#)

Welcome back, **Jennifer**

(jendean_admin)

[Log Out](#)

[Home](#)

Map Tools

- Google Aerials
- Google Terrain Layer
- USGS Topographic
- No Base Layer

Overlays

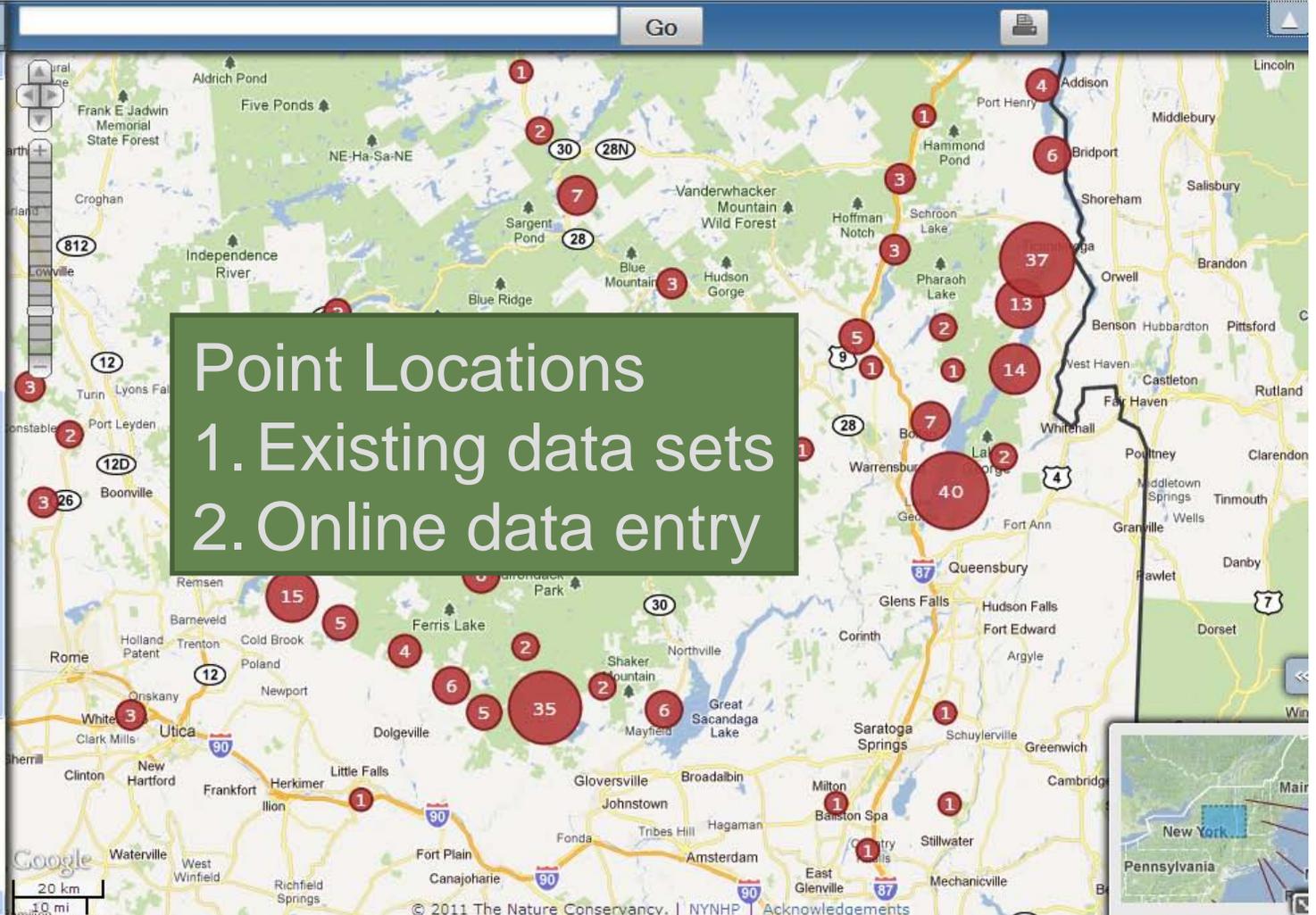
▲ Invasive Species Observations

- Combined
- Partner Data
- NAS
- Confirmed
- Unconfirmed
- Problem
- Deleted

▼ Invasive Species Details

▲ Map Overlay Layers

- Counties
- Towns
- PRISM Boundaries
- Public Access Lands
- Adirondack Park
- Watershed (HUC 6)



Point Locations
1. Existing data sets
2. Online data entry

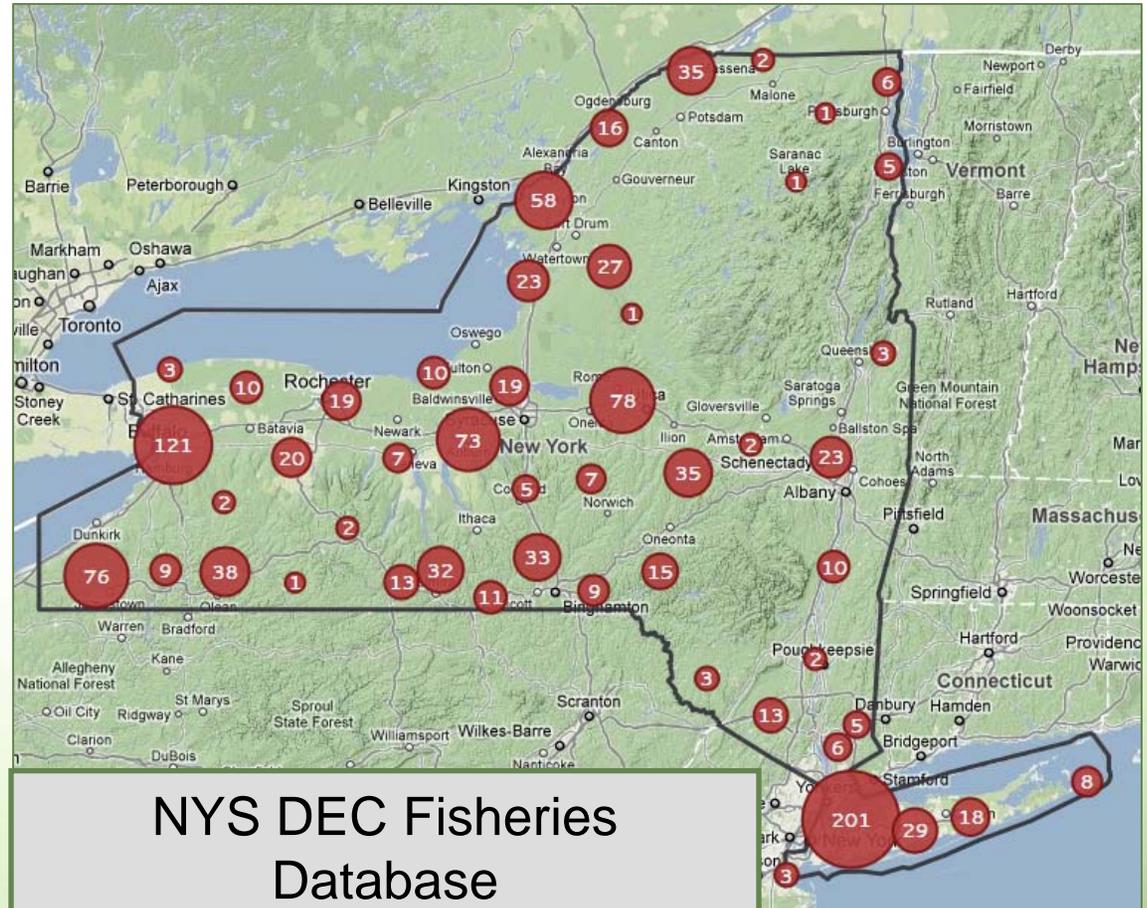
Sourcing Partner Data for bulk uploads

Local, State, and Federal Agencies

Land Managers

Researchers

Museum Data



NYS DEC Fisheries Database

Invasive species

Online data entry for observations

Step 3 What (Species)

What Species Was Observed?

Species Type

Animal Insect Plant

By Common Name

Bloody-red Shrimp

By Scientific Name

Hemimysis anomala



Image Credit

Not Available

[Further Species Information](#)

Step 5 Where

Coordinate System

Lat / Lon Decimal

Enter Coordinate

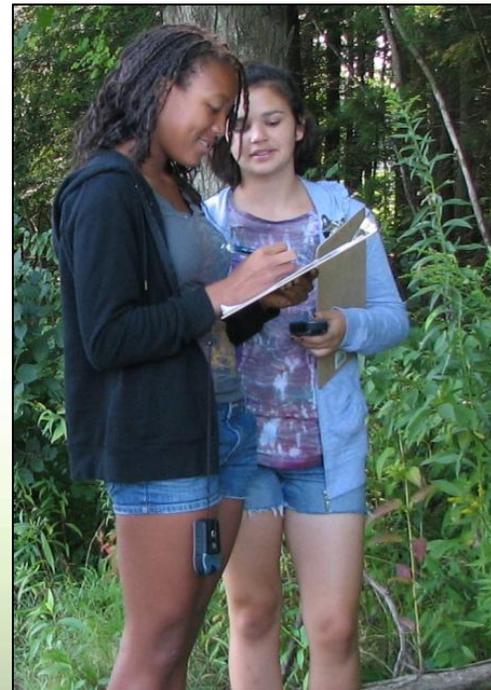
Longitude -73.93833

Latitude 41.26721

Drag Map to Update Location

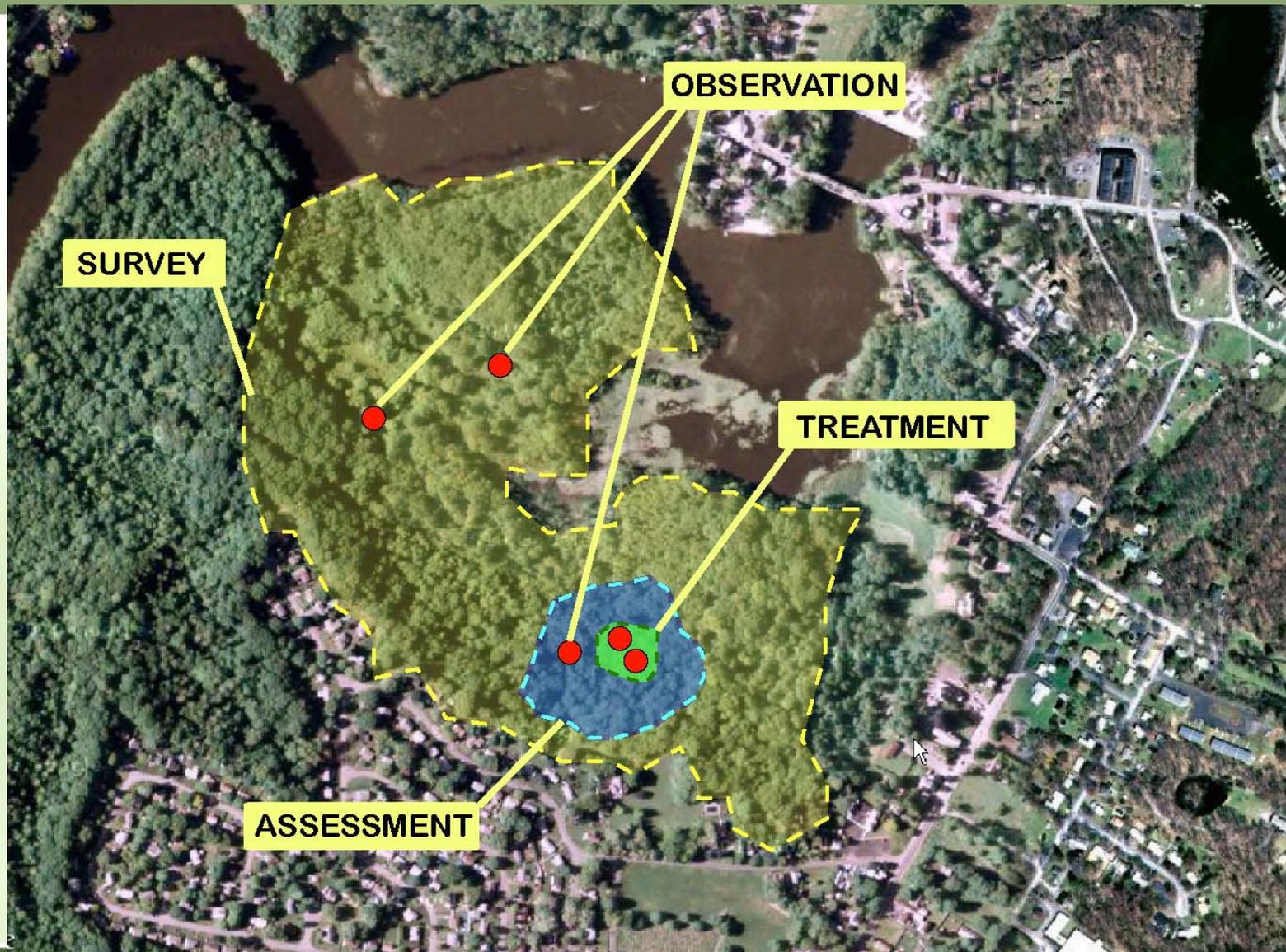


Engaging Citizen Scientists



2011: Managing advanced data

Polygon data



Survey Information

New Record

The complete Survey functionality for iMapInvasives will be released in the Fall of 2011. This release includes one type of Survey functionality: Lacustrine (Lake) survey

Search

Lake George

Go

* Survey Area

Use the buttons on the top right side of the map to add a feature.

- Use the red 'x' button to delete a polygon
- Use the green '+' button to draw a new polygon (Double click to end drawing the survey polygon.)
- Use the pan button to move the map or edit the polygon



Polygon Area (in square meters)

29443.759160693735

Photos

Photo 1



Drop New Photo Here



<< Ithaca Go



Layers

Base Layers

- Google Hybrid Layer
- Google Streets Layer
- Google Aerials
- Google Terrain Layer
- No Base Layer

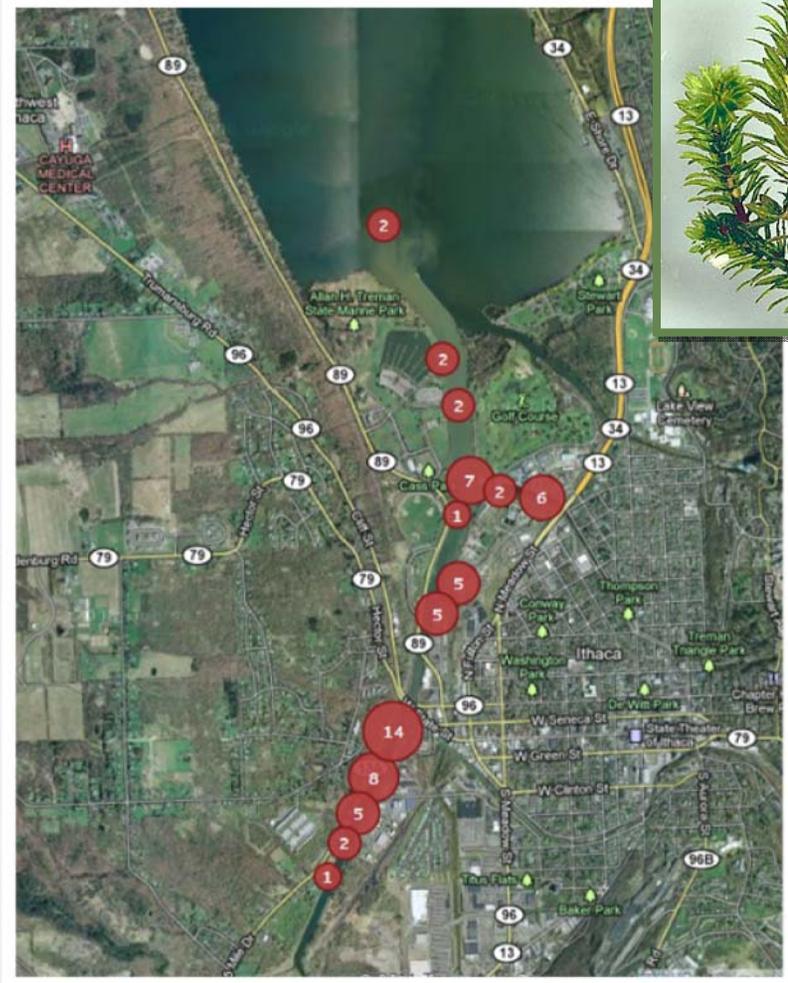
Overlays

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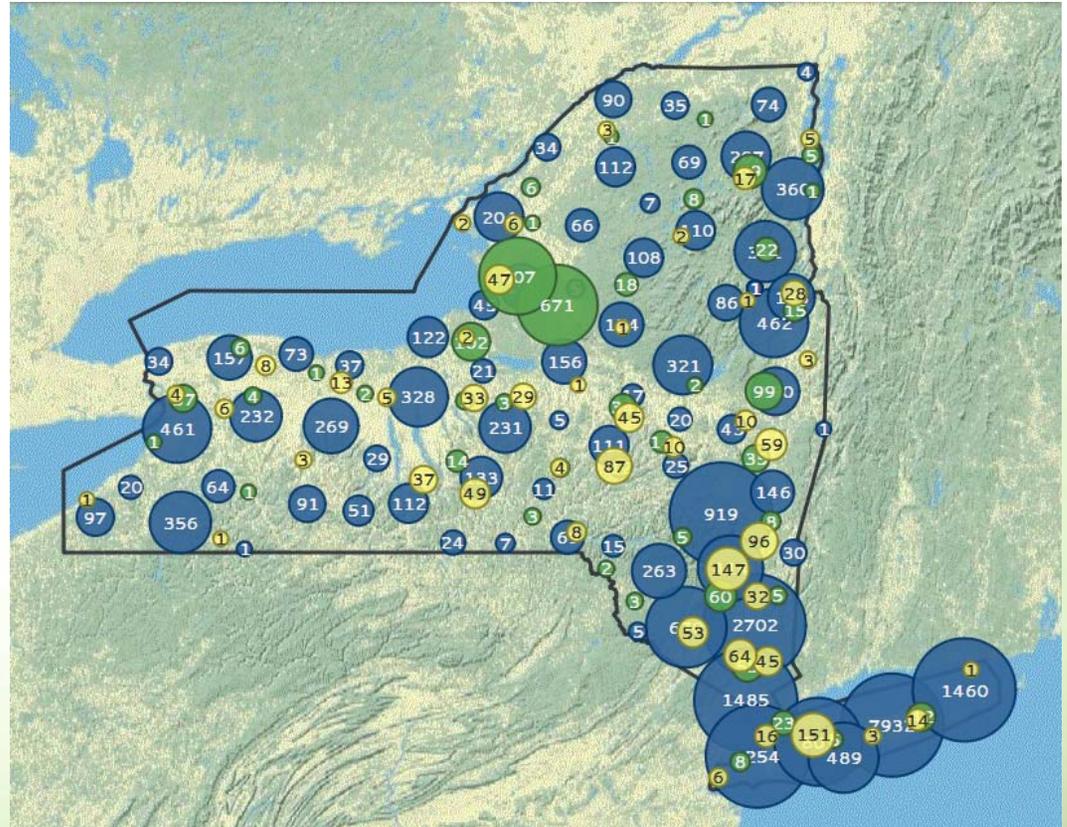
▲ Invasive Species Details

- Assessments - Animals
- Assessments - Insects
- Assessments - Plants
- Treatments
- Survey



Year 2: Primary spot for entering and managing state data

- Project leaders can now manage location *and* action data
- Bulk uploaded **~14,000** records
- Trained 300 users who entered **~1800** records online



Records to date: ~28,000

Users trained to date: ~550

Communication Network

- E-mail alerts
- Advanced queries

1 Type

Full Data Query Common Species Early Detection Approaching Region

2 Criteria

Organization

Organization

Project

Project

Data Status

Data Status

Suspicious Distance

3 Results

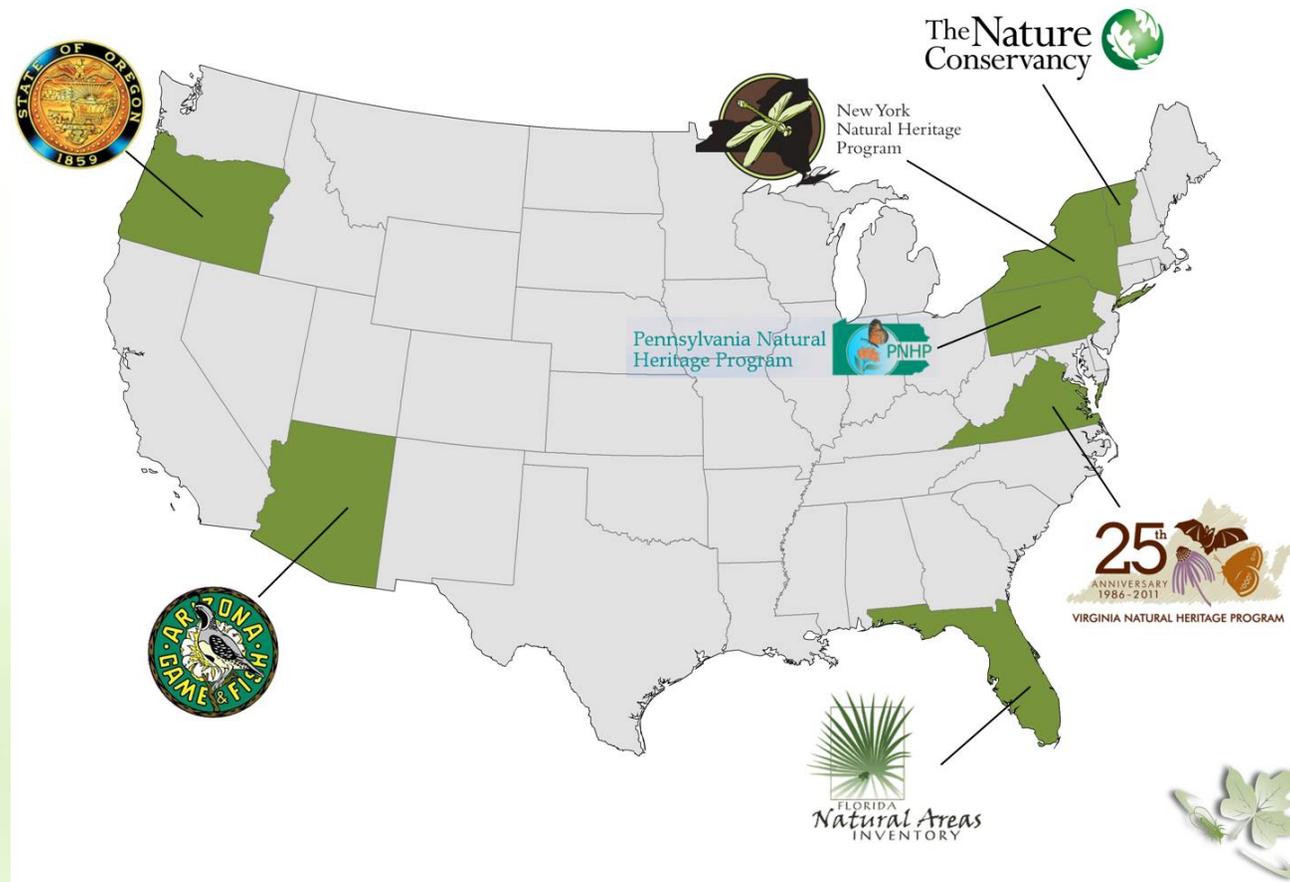
View Table

No organization provided
New York State Department of Environmental Conservation (Lands and Forests)
New York State Department of Environmental Conservation (NYS DEC)
New York State Department of Transportation (NYS DOT)
New York State Museum
New York State Office of Parks Recreation and Historic Preservation (NYS OPRHP)
New York State Thruway Authority
New York State Tug Hill Commission
No organization provided
North Country Ecologists
North Shore Land Alliance
Oswego County Soil and Water Conservation District
Otsego County Conservation Association
Palisades Interstate Park Commission
Paul Smiths College (PSC)
Pine Barrens Commission
Princeton Hydro
Racine-Johnson Aquatic Ecologists
Rensselaer Polytechnic Institute (RPI)
Saranac Lake High School
Scenic Hudson

Year 3: Mobile mapping applications



Invasive species move...



iMapInvasives Network:
Lead Partner Organizations



iMapInvasives
geotracking invasive exotic species



www.imapinvasives.org



For information about state/province
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