

Crowd Sourcing invasive species information in New York



New York
Natural Heritage
Program

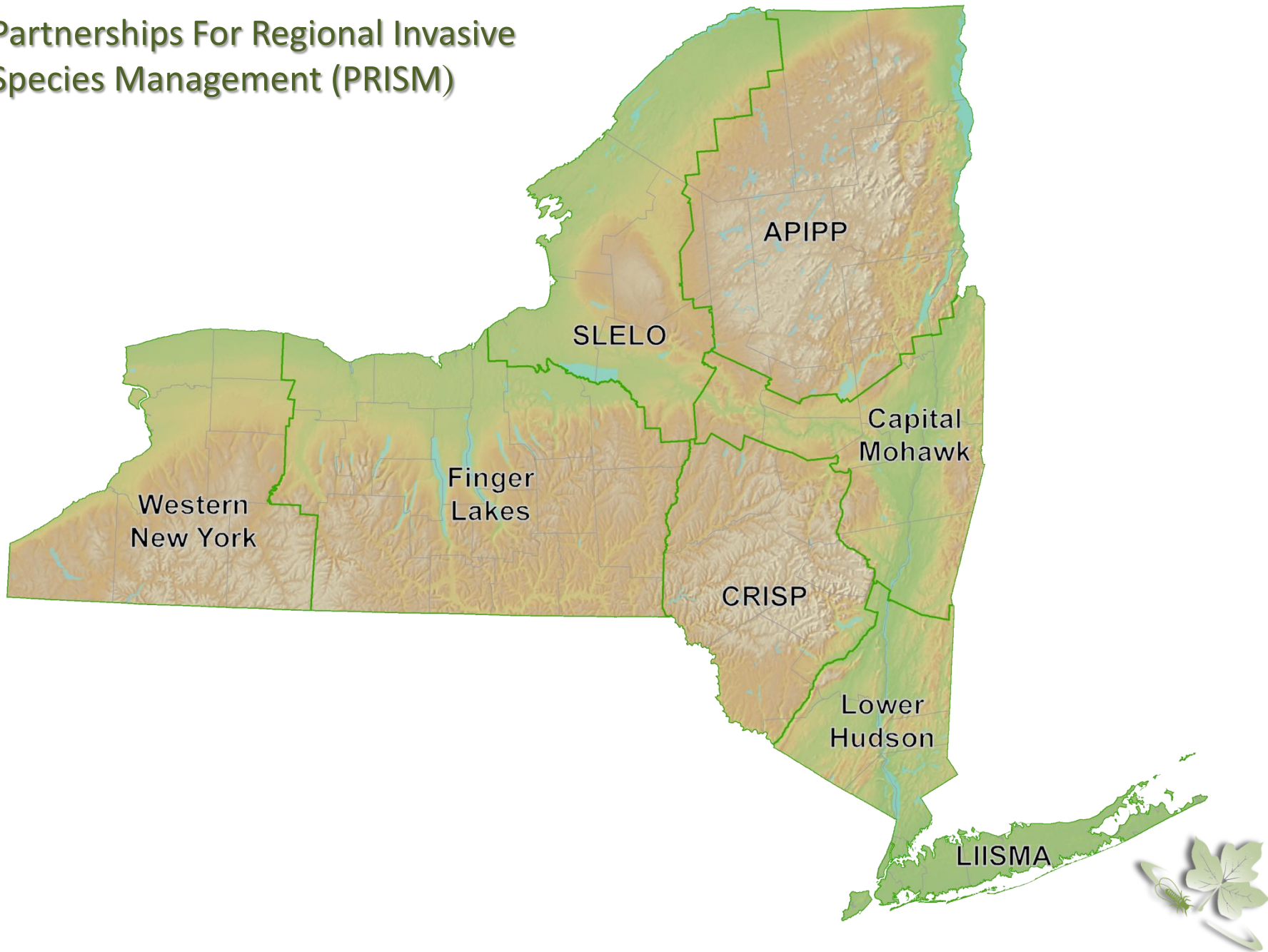
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What are Invasive Species?

Non-native plant, animals, and pathogens that cause **harm** to the environment, the economy, or human health



Partnerships For Regional Invasive Species Management (PRISM)











iMap

Sharing
strategic

First Name:

Last Name:

User Name:

Password:

What should we

Scientific

Common

Choose

Picture Size:

Small

Medium

Save

Cancel



Select What Should We Record?

Photo	Project	When
-------	---------	------

Get Location

Take Photo

Choose:

Emerald Ash Borer, A...

Save Cancel

Prev Next

Emerald Ash Borer, A...

English Ivy, Hedera l...

Erect Hedge-parsley

Eurasian Collared-D...



Observation

Photo	Project	When
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Date Recorded:

Thu, Nov 7, 2013

Nov 07

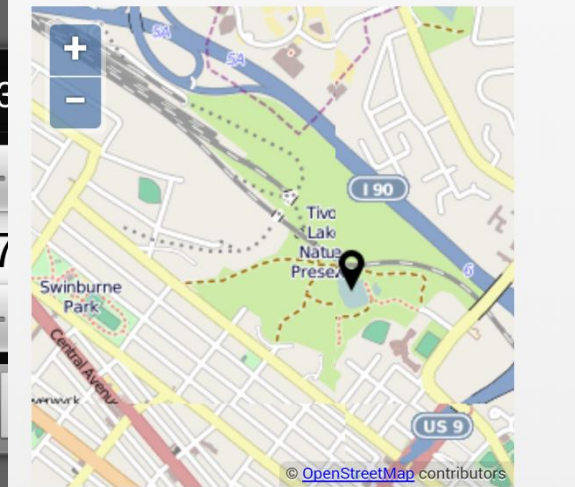
Set

Save Cancel



Where

Photo	Project	What	When	Where
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Save Cancel

Search by Species, Location, or ID #

Zoom

Invasive Species

Locations

Active Query
Everything shown

Query Options

Distribution

By ID

Layers

Base Layers

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

Overlays

Invasive Species Observations

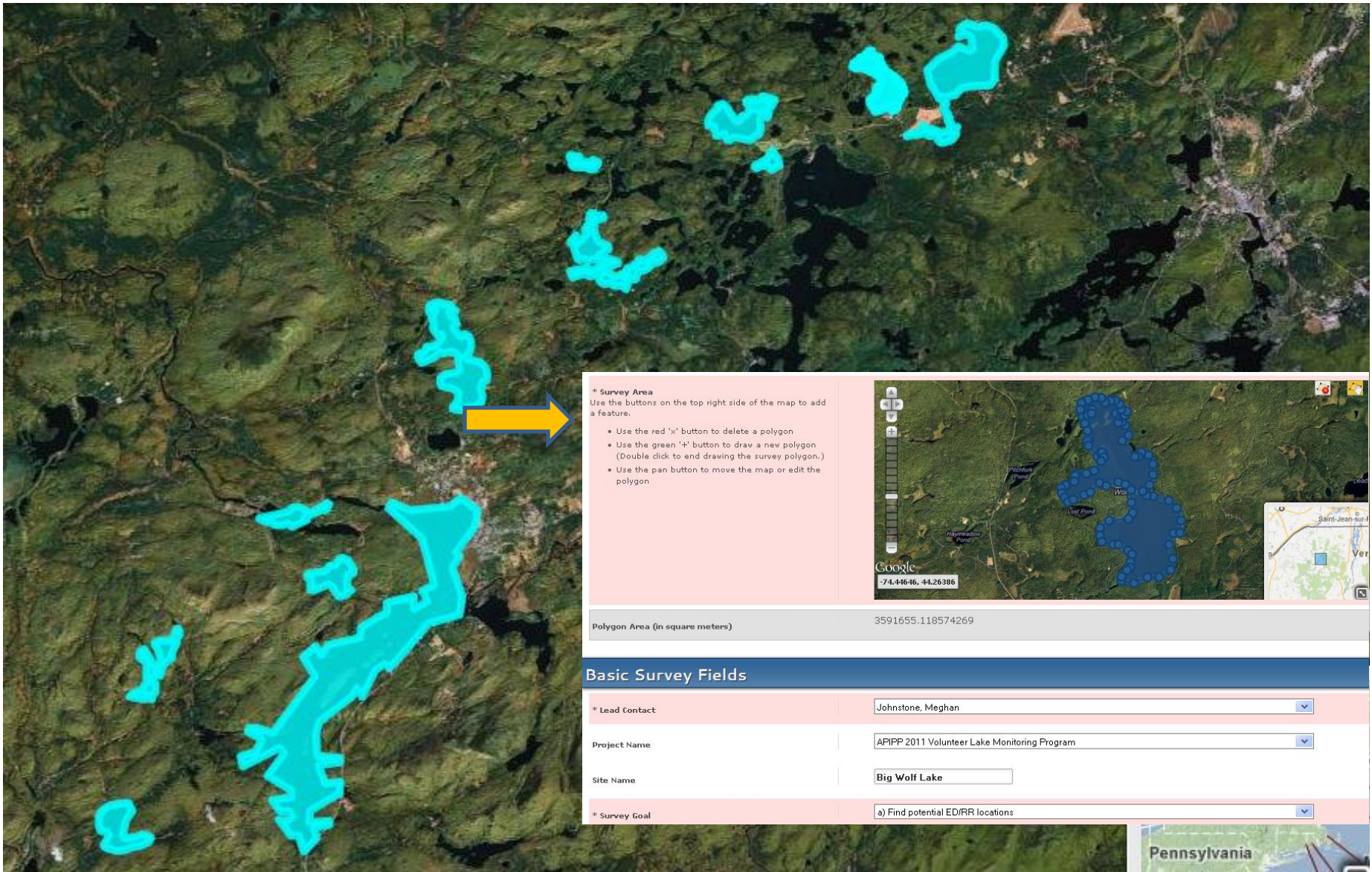
- Assessments Plants WMS
- Combined**
- Partner Data
- Nonindigenous Aquatic Species (USGS-NAS)
- Confirmed
- Unconfirmed
- Approximate
- Problem
- Deleted

Infestation

- Infestation Management

Invasive Species Details





*** 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) 3591655.118574269

Basic Survey Fields

* Lead Contact	<input type="text" value="Johnstone, Meghan"/>
Project Name	<input type="text" value="APIPP 2011 Volunteer Lake Monitoring Program"/>
Site Name	<input type="text" value="Big Wolf Lake"/>
* Survey Goal	<input type="text" value="a) Find potential ED/RR locations"/>



~ 83,000 observation records since 2010

Partner Bulk Uploads: 75,900

Online Data Entry: 7,300

Mobile Device: 210

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Natural Resource Professionals

- Local, state, and federal agencies
- Land/water managers
- Researchers
- Collections data
- Contractors

Citizen Scientists

- Amateur Naturalists
- Educators/Students
- Volunteers

Comprehensive and Quality Data

- Required User Training
 - Online and in-person sessions
- Encouraging Data Submissions
 - Targeted outreach (reduce gaps)
 - Projects
 - Mobile
- Quality Control
 - Confirmation Process
 - Built-in error control features



Number of trained iMap users: **1380**
Users entering data: **440 (~ 33% ROI)**

Observations submitted per user (~7500 records entered online/mobile)

