Florida Natural Areas Inventory

Tracking Florida's Biodiversity

FLORIDA
Natural Areas
INVENTORY

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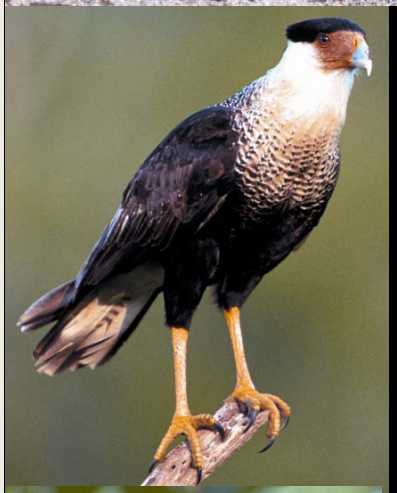
Natural Areas
INVENTORY

Mission

Collect, interpret, and disseminate ecological information critical to the conservation of Florida's biological diversity






Program Background

- established in 1981 as part of TNC
- now part of Florida State University, FREAC
- entirely contract-funded
- long term relationship with Florida DEP and FWC
- part of a nationwide network of Natural Heritage Programs

Lake Wales Ridge WEA

FNAI Staff

Special expertise:

- botany
- herpetology
- ornithology
- entomology
- coastal ecology
- community ecology
- computer data bases and GIS
- conservation and environmental land use planning

Rare Species Records

- Scientific and common names
- Global and state rarity ranks
- Federal and state legal status
- Location information
- Description of the site
- Specific information about the plant or animal
- Date of observation
- Surveyor

FNAI and Invasive plants

- Started building a database in 2003
- Primarily funded by FWC's Invasive Plant Section
- more than 209,000 observation records on more than 2000 managed areas
- On-line data forms
- Downloadable data

Home
Species & Communities
Field Guides
Biodiversity Matrix
Tracking List
Natural Communities
Ecological Surveys
Submit Data
Conservation Lands
Interactive Map
FL Forever Projects Map
Summary Report (PDF)
Invasive Species
iMapInvasives
Planning & Analysis
Florida Forever
CLIP
Data Requests
FCT Guidelines
GIS Data
Donate

FLORIDA Natural Areas INVENTORY
1018 Thomasville Road
Suite 200-C
Tallahassee, FL 32303
Phone: (850) 224-8207
Fax: (850) 681-9364

invasive species

Controlling invasive, non-native plants is essential to the protection of Florida's biodiversity. Introduced species can displace native plants and animals, change the structure of natural communities, and impact the ecological functions of ecosystems.

iMapInvasives

To increase access to invasive species data, facilitate data management, and simplify data summary FNAI has helped to develop the iMapInvasives web application, a national, GIS-based, invasive species mapping tool. The core of the Florida iMapInvasives dataset is the Florida Invasive Plants Geodatabase (FLInv), a spatial database of invasive plant occurrences on all of the state's public conservation lands which FNAI built starting in 2003. The FLInv database contains approximately 200,000 records compiled from data submitted by resource managers and supplemented by FNAI field surveys. FNAI hopes to continue to build on this dataset with submission of data to iMapInvasives. Biologists, land managers, amateur naturalists and all other interested parties are encouraged to join in this effort.

Please visit the **iMapInvasives** website for more information. Unregisted users can view basic plant distribution maps or **register for a free account** which will allow viewing of precise location data and submission of new data.

Benefits of online mapping of invasive species in iMapInvasives:
- Simplifies sharing of data across agency boundaries
- Streamlines the tracking of management progress
- Supports the ability to summarize species distribution and abundance

CLICK HERE to log into the FL iMapInvasives site or register for a new account.

Florida Specific Resources

FL iMapInvasives Terrestrial Plant Observation and Assessment Form (49 KB).

FL iMapInvasives Terrestrial Plant Observation and Assessment Data Dictionary (Trimble) (7 KB).

Please Note: FNAI shares Florida invasive plant data with the University of Georgia's Early Detection and Distribution Mapping System (EDDMapS), if you send data to FNAI or submit it to **iMapInvasives**, you don't have to submit it to EDDMapS too.

Viewing and Downloading Existing Data

Data collected as part of the FLInv project are available for download below. A file geodatabase is the preferred format for ArcGIS 9.2 and above users. For more information on geodatabases, please visit ESRI's **website**. Polygon and point files contain distinct datasets with no duplication of infestations. The metadata provides a detailed description of the feature classes and shapefiles.

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Apalachicola National Forest

Home
Species & Communities
Field Guides
Biodiversity Matrix
Tracking List
Natural Communities
Ecological Surveys
Submit Data
Conservation Lands
Interactive Map
FL Forever Projects Map
Summary Report (PDF)
Invasive Species
iMapInvasives
Planning & Analysis
Florida Forever
CLIP
Data Requests
FCT Guidelines
GIS Data
Donate

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FL iMapInvasives Terrestrial Plant Observation & Assessment Field Form

Survey Date:_____ Observer Name: _____

Project Name/Location: _____

Use the Assessment ID field to indicate the assessment area on an associated map

ASSESMENT ID	LAT	LONG	SPECIES	DISTRIBUTION	PCT_COVER	MATURITY	LANDSCAPE TYP	NATIVE VEG.	DISTURB. TYPE	DISTURB. SEV.	PHOTO INFO	COMMENTS

DISTRIBUTION
1 Single plant or clump
2 Scattered plants or clumps
3 Scattered dense patches
4 Dominant cover
5 Dense monoculture
6 Linearly scattered

PCT_COVER
1 <5 %
2 5–25 %
3 26–50 %
4 51–75 %
5 >75 %

MATURITY
1 Immature
2 Mature
3 Both

LANDSCAPE TYPE
1 Waterbody
2 Agricultural system
3 Forest
4 Open naturalized area
5 Human dominated area
6 Transportation corridor

NATIVE VEG DISTRIBUTION
1 Mixed
2 Surrounding
3 Dominant
4 Subdominant
5 Absent
6 Unknown

DISTURB TYPE
1 Human
2 Natural
3 Both
4 None

DISTURB SEV
1 None
2 Light
3 Moderate
4 Heavy

Home
Species & Communities
Field Guides
Biodiversity Matrix
Tracking List
Natural Communities
Ecological Surveys
Submit Data
Conservation Lands
Interactive Map
FL Forever Projects Map
Summary Report (PDF)
Invasive Species
iMapInvasives
Planning & Analysis
Florida Forever
CLIP
Data Requests
FCT Guidelines
GIS Data
Donate

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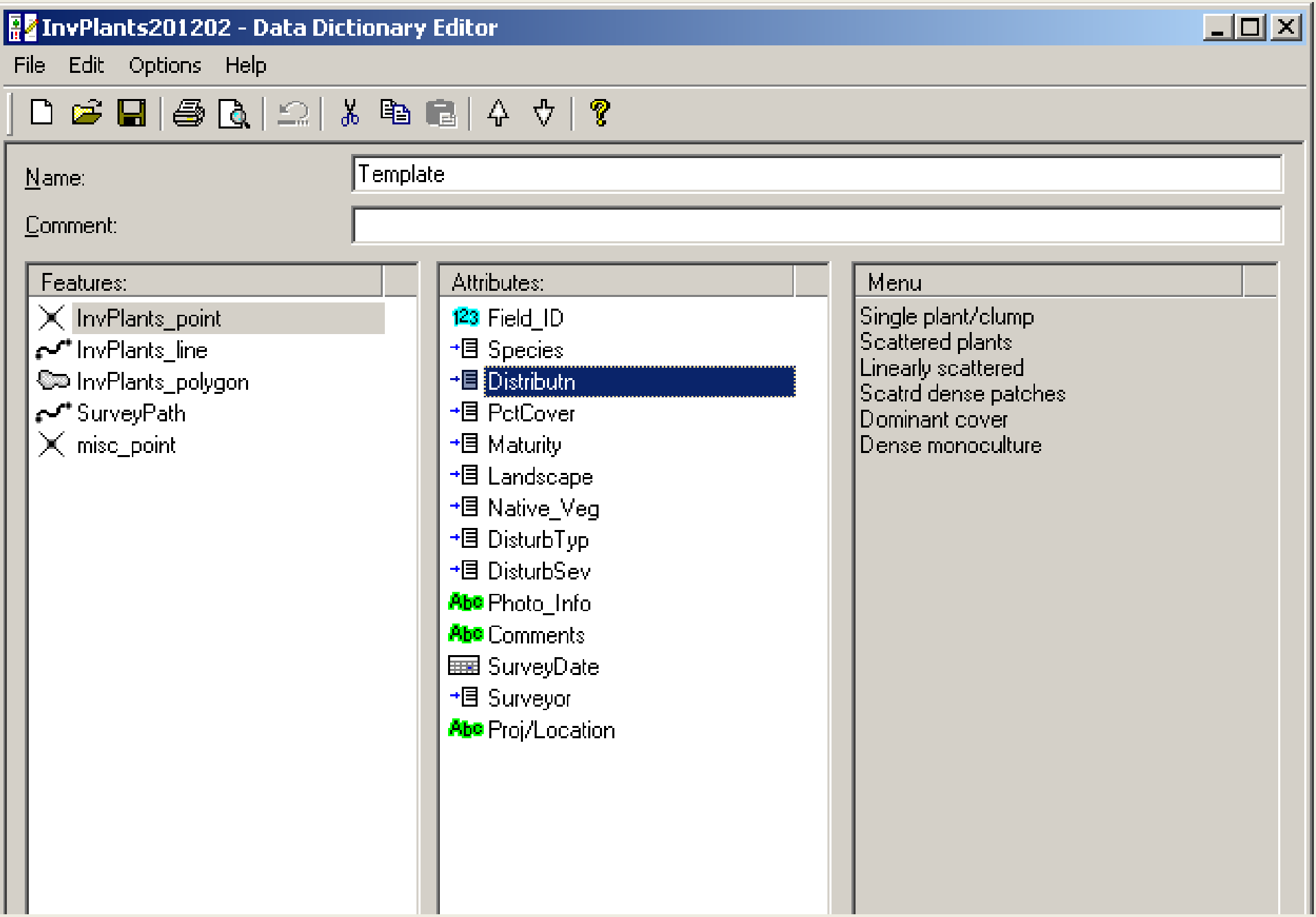
InvPlants201202 - Data Dictionary Editor
File
Edit
Options
Help
Name:
Template
Comment:
Features:
InvPlants_point
InvPlants_line
InvPlants_polygon
SurveyPath
misc_point
Attributes:
Field_ID
Species
Distributn
PctCover
Maturity
Landscape
Native_Veg
DisturbTyp
DisturbSev
Photo_Info
Comments
SurveyDate
Surveyor
Proj/Location
Menu
Single plant/clump
Scattered plants
Linearly scattered
Scatrd dense patches
Dominant cover
Dense monoculture

Home
Species & Communities
Field Guides
Biodiversity Matrix
Tracking List
Natural Communities
Ecological Surveys
Submit Data
Conservation Lands
Interactive Map
FL Forever Projects Map
Summary Report (PDF)
Invasive Species
iMapInvasives
Planning & Analysis
Florida Forever
CLIP
Data Requests
FCT Guidelines
GIS Data
Donate

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FLORIDA STATE UNIVERSITY

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FL iMapInvasives Data Standard

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Name in Data Dictionary	Order in Data Dictionary	Optionality	Record Type in iMap	Name in iMap	Order in iMap	Description	Values / Format
SurveyDate	1	Required	Observation	Step 5 - When	5	date data were collected	
Surveyor	2	Required	Observation	Step 2 - Who	2	name of the person performing the invasives survey	Last name, first name
surveysite	3	Optional	Observation, Assessment, or Treatment	Project Name	3	iMap Project, MA name, or Location	
eval_type	4	Required	Assessment	Evaluation Type	6	type of visit to site	Initial - first observation and assessment of a species in that spot Revisit - observations/assessments on subsequent visits Pre-treatment - only an observation /assessment taken directly before treatment is applied Post-treatment – observation /assessment and evaluation of the targeted invasive species post-treatment
Species	5	Required	Observation	Step4 – What (Species)	4	name of the invasive exotic plant.	Scientific name
Distributn	6	Required	Assessment	Plant Distribution	13	pattern or arrangement of the plants within the infested acreage	Single plant or clump - One individual plant or one small clump of a single species. Scattered plants or clumps - Multiple individual plants or small clumps of a single species scattered within the gross area infested. Scattered dense patches - Dense patches of a single species scattered within the gross area infested. Dominant cover - Multiple plants or clumps of a single species that occupy a majority of the gross area infested. Dense monoculture - Generally a dense stand of a single dominant species that not only occupies more than a majority of the gross area infested, but also

iMapInvasives
geotracking invasive exotic species

Introduction to *i*MapInvasives

A collaborative web-based solution for invasive species data aggregation, mapping, and analysis

FLORIDA Natural Areas INVENTORY

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Maps and Data

Home | Maps & Data | Service | Resources | About

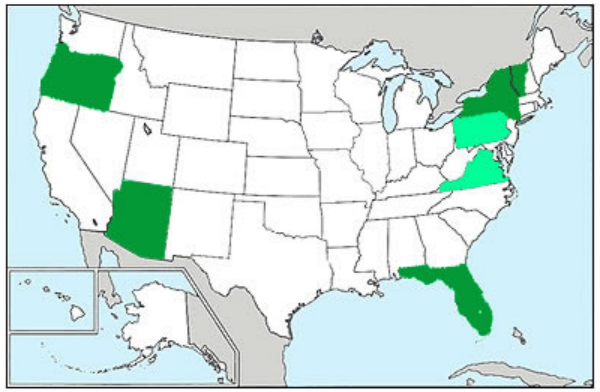
Welcome to the Public Maps!

The Public Maps display distribution information for featured invasive species by watershed or political jurisdiction (e.g. county)

- Read about the iMapInvasives Project and how your state can participate in the **Service** section.
- Read about the functionality available to registered users in the **Functionality** section.
- Read about features currently under development in the **Future Plans** section.
- If you have comments or questions on the project, please **Contact Us**.

Participating States

Arizona	**Public Map**	**Login**
Florida	**Public Map**	**Login**
New York	**Public Map**	**Login**
Oregon	**Public Map**	**Login**
Vermont	**Public Map**	**Login**
Virginia	*Coming Soon*	*Coming Soon*



States Planning to Participate Soon

- **Pennsylvania**

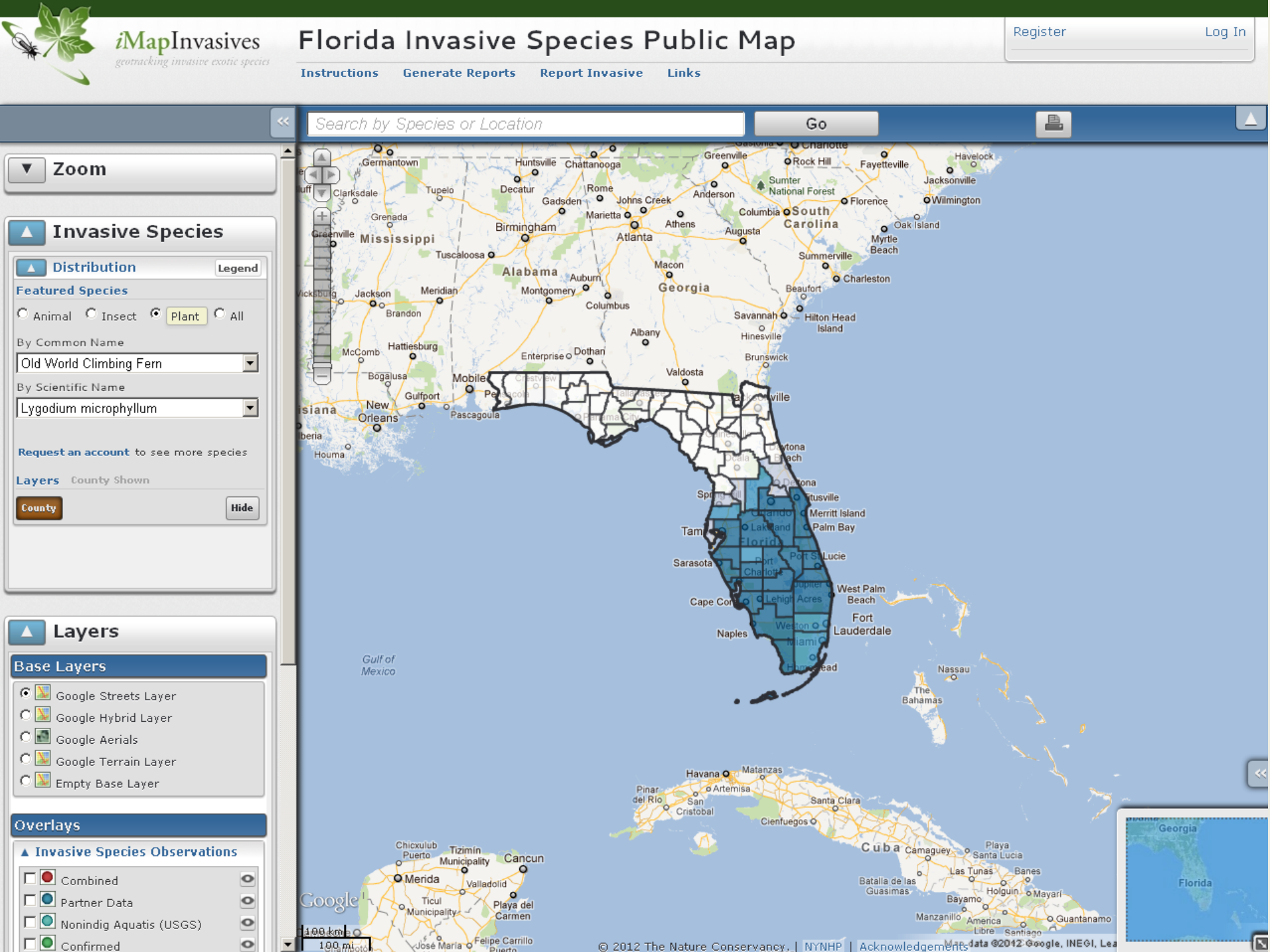
Contact: Jeff Wagner
Director
Pennsylvania Natural Diversity Inventory
800 Waterfront Drive
Pittsburgh, PA 15222-4718
412.586.2392

*i*MapInvasives

geotracking invasive exotic species

*i*MapInvasives is an online, GIS-based, all-taxa mapping tool allowing natural resources mangers and other professionals with invasive species responsibilities the ability to collect, manage, and analyze invasive species data.

- Designed specifically for land managers
- Manage observation / assessment information
- Manage survey information (including absence data)
- Manage treatment data
- Sophisticated GIS and spatial analysis capabilities
- Wide array of on-demand reports
- Batch uploading for partner organizations
- Early detection watch lists and e-mail alerts
- Mobile web site for any web-capable mobile device


iMapInvasives
geotracking invasive exotic species
Florida Invasive Species Public Map
Register
Log In
Instructions
Generate Reports
Report Invasive
Links
Search by Species or Location
Go
Zoom
Invasive Species
Distribution
Legend
Featured Species
Animal
Insect
Plant
All
By Common Name
Old World Climbing Fern
By Scientific Name
Lygodium microphyllum
Request an account to see more species
Layers
County Shown
County
Hide
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Germantown
Huntsville
Chattanooga
Greenville
Rock Hill
Fayetteville
Havelock
Clarksdale
Tupelo
Decatur
Rome
Gadsden
Johns Creek
Anderson
Sumter National Forest
Florence
Jacksonville
Wilmington
Grenada
Marietta
Columbia
South Carolina
Oak Island
Greenville
Mississippi
Birmingham
Atlanta
Athens
Augusta
Myrtle Beach
Tuscaloosa
Alabama
Auburn
Macon
Summerville
Charleston
Jackson
Meridian
Montgomery
Georgia
Beaufort
Brandon
Columbus
Savannah
Hilton Head Island
Albany
Hinesville
Hattiesburg
McComb
Enterprise
Dothan
Brunswick
Bogalusa
Mobile
Valdosta
Gulfport
New Orleans
Pascagoula
Houma
Daytona Beach
Titusville
Merritt Island
Palm Bay
Florida
Sarasota
Port St. Lucie
West Palm Beach
Lehigh Acres
Fort Lauderdale
Naples
Miami
Gulf of Mexico
Nassau
The Bahamas
Havana
Matanzas
Pinar del Río
Artemisa
San Cristobal
Santa Clara
Cienfuegos
Cuba
Camaguey
Playa Santa Lucia
Las Tunas
Banes
Batalla de las Guasimas
Holguin
Mayari
Bayamo
Manzanillo
America Libre
Santiago
Guantanamo
Chicxulub Puerto
Tizimín Municipality
Cancun
Merida
Valladolid
Ticul Municipality
Playa del Carmen
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Felipe Carrillo Puerto
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Florida
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100 km
100 mi
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Florida User Tools

Location: My iMapInvasives

Welcome back, Carolyn (carokindell)
Home | Log Out

My iMapInvasives | Resources | Invasives Management | System Management

Enter Data

- Observation
- Survey
- Treatment

View the Map

- View the Map

View Table

- All Observations
- Surveys
- Treatments

Query Observations

- **Custom Observation Query**
- View Report for All Data

My Personal Information

My Profile

- Edit My Profile
- Change my Password

E-Mail Alerts

- Manage my Alerts

My iMapInvasives Data

View My Data in a Table

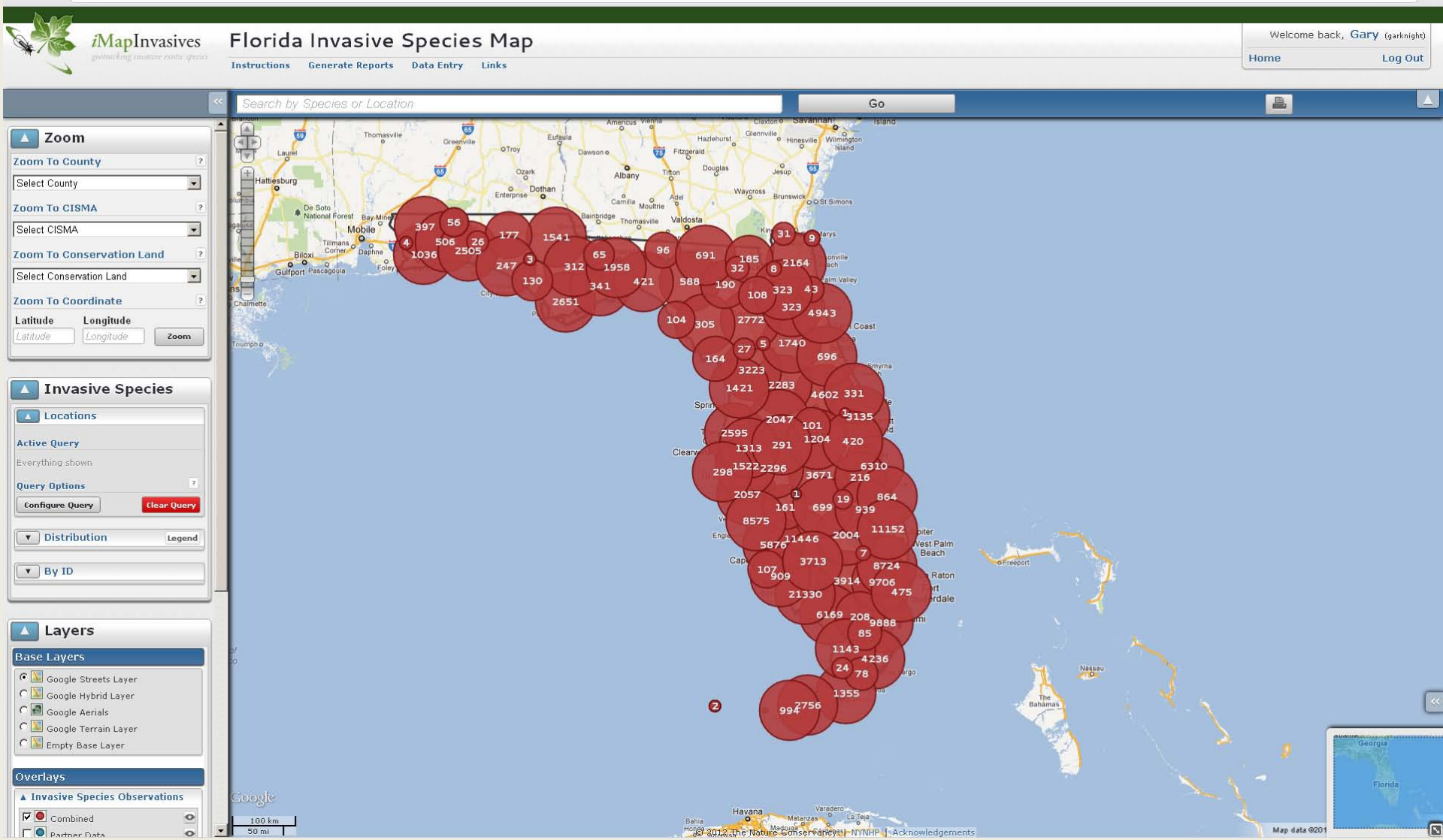
- Select Data to View

Download My Observation Data

- Select Data to Download

Download Related Data (ESRI gdb)

- **Assessment Data**
  - Select Assessment Data to Download
- **Treatments**


iMapInvasives
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Zoom
Zoom To County
Select County
Zoom To CISMA
Select CISMA
Zoom To Conservation Land
Select Conservation Land
Zoom To Coordinate
Latitude
Longitude
Zoom
Invasive Species
Locations
Active Query
Everything shown
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Mobile
Tallahassee
Jacksonville
Orlando
Tampa
Miami
Havana
Nassau
The Bahamas
Freeport
West Palm Beach
Georgia
Florida
Google
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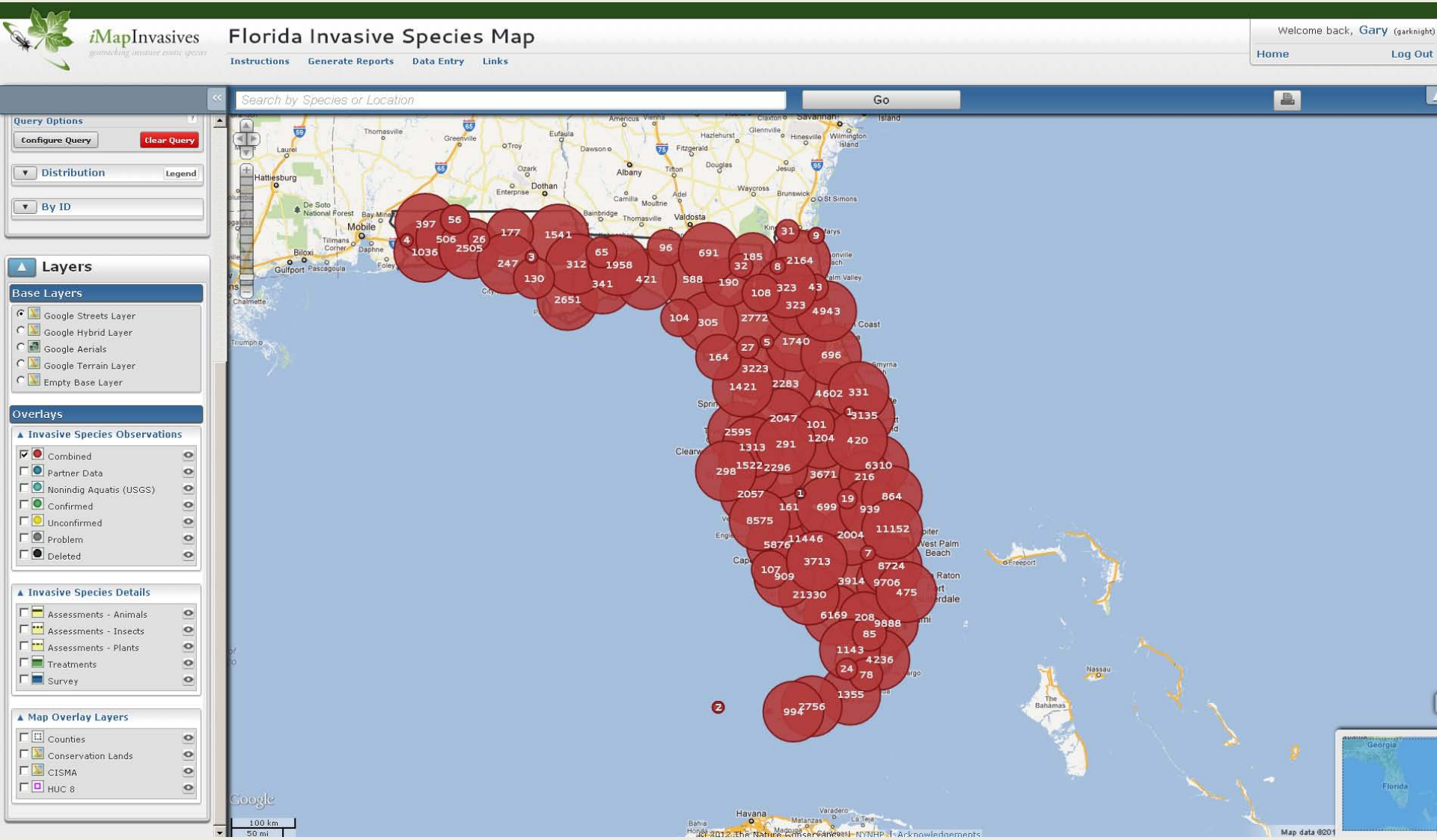
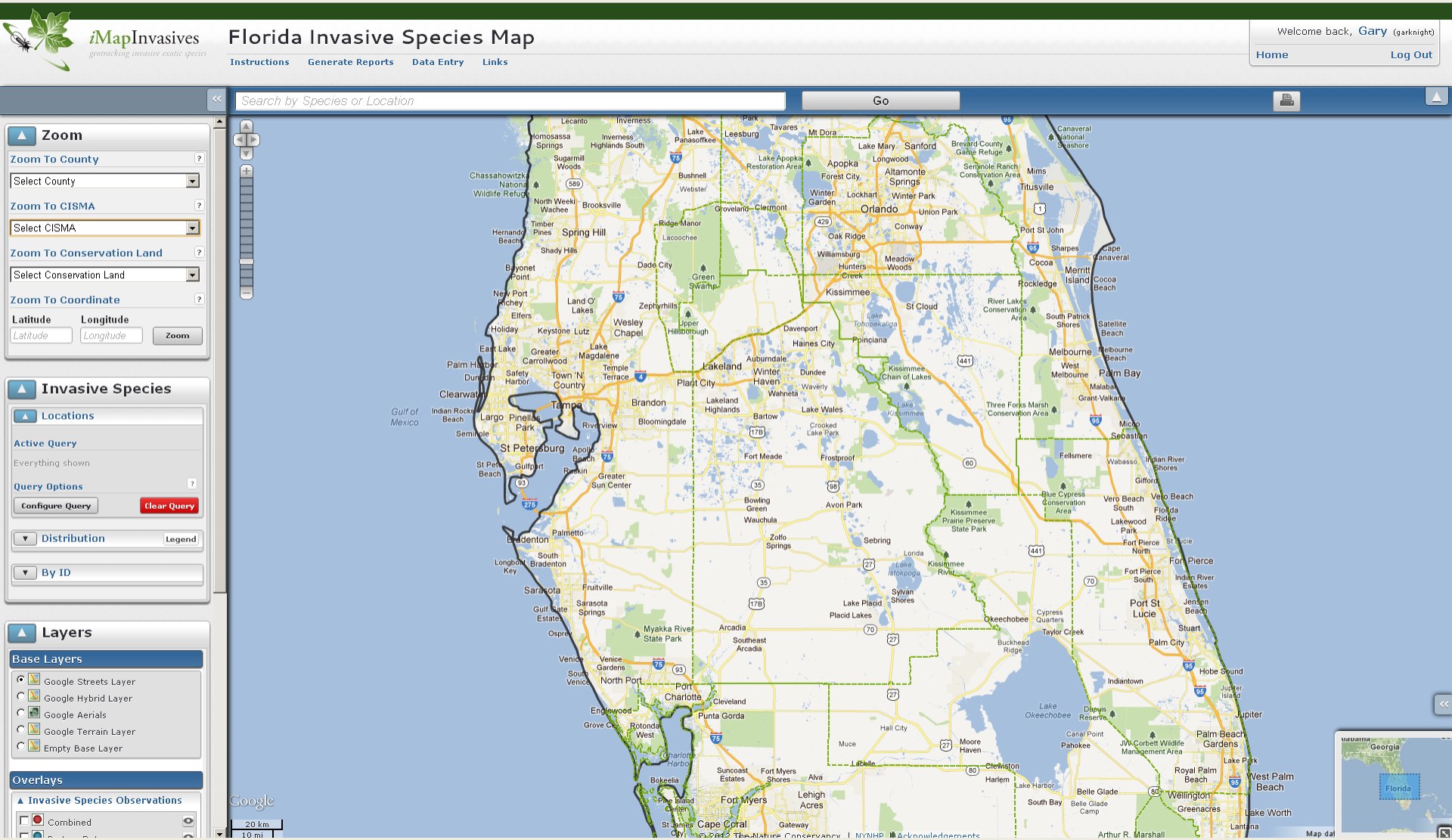

iMapInvasives
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Unconfirmed
Problem
Deleted
Invasive Species Details
Assessments - Animals
Assessments - Insects
Assessments - Plants
Treatments
Survey
Map Overlay Layers
Counties
Conservation Lands
CISMA
HUC 8
Google
100 km
50 mi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Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Zoom
Zoom To County
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Zoom To CISMA
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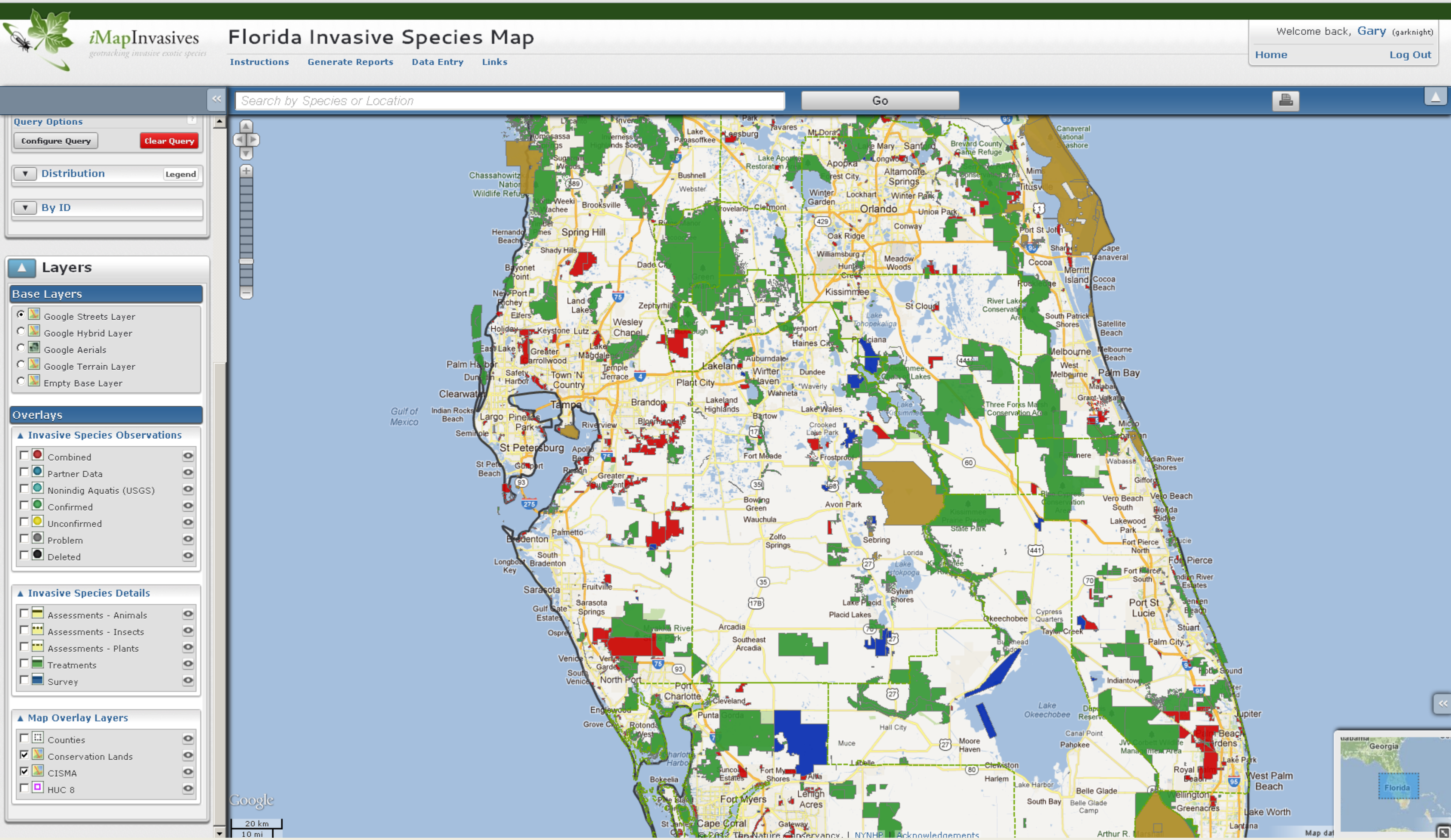
Zoom To Conservation Land
Select Conservation Land
Zoom To Coordinate
Latitude
Longitude
Zoom
Invasive Species
Locations
Active Query
Everything shown
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Tampa
St Petersburg
Clearwater
Orlando
Kissimmee
Lakeland
Sarasota
Bradenton
Fort Myers
Cape Coral
Naples
Port Charlotte
Gulf of Mexico
Google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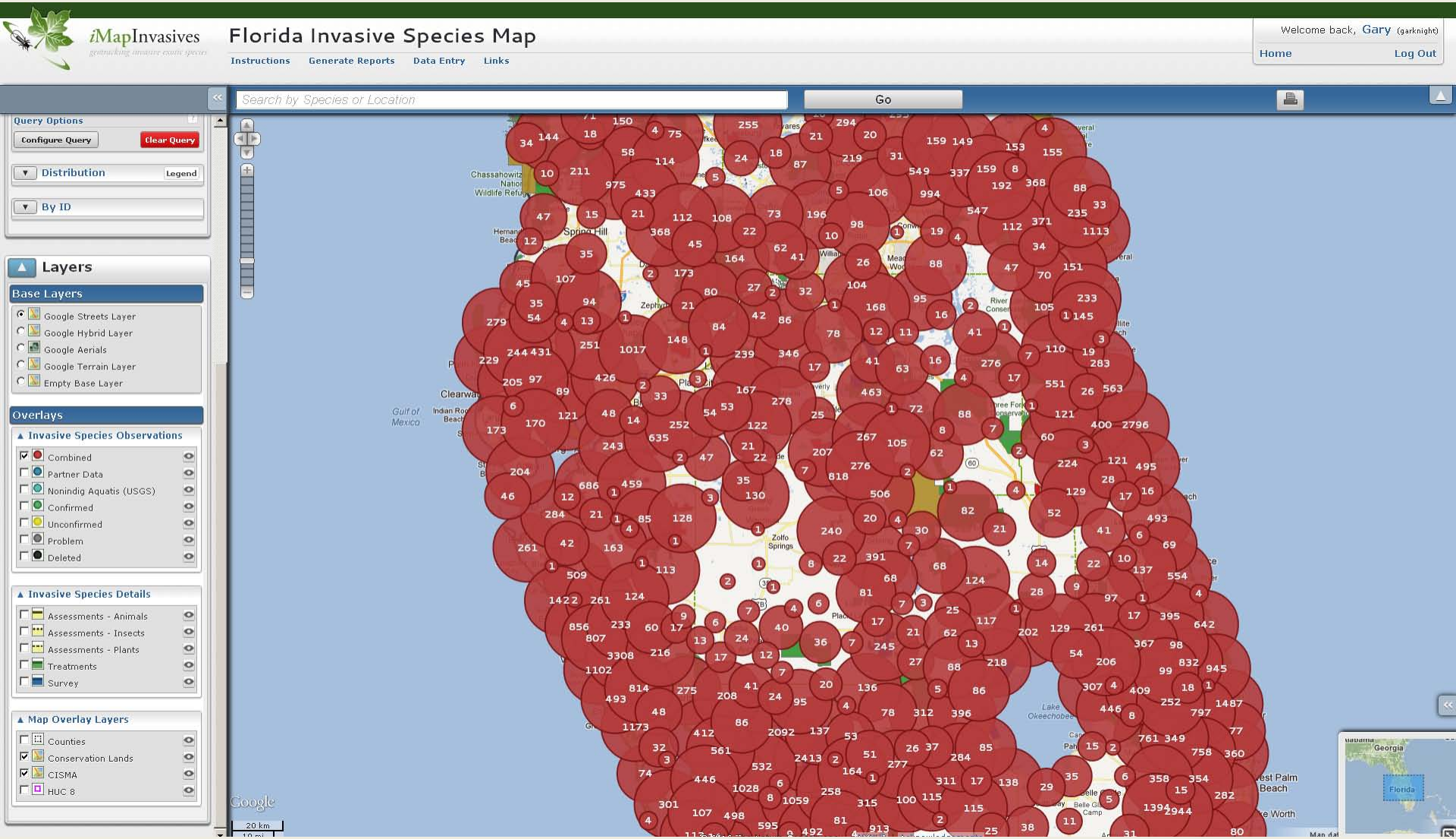
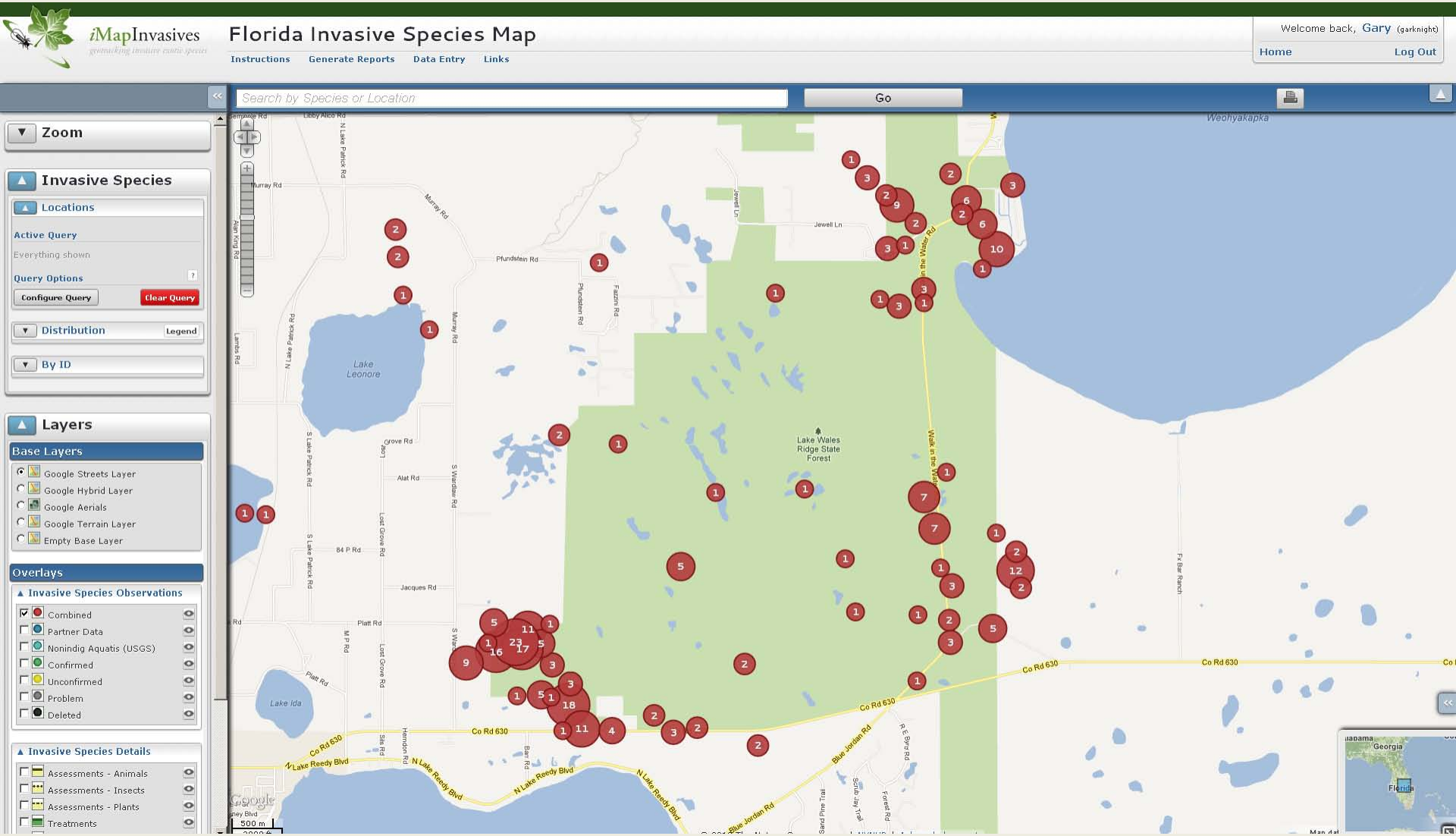
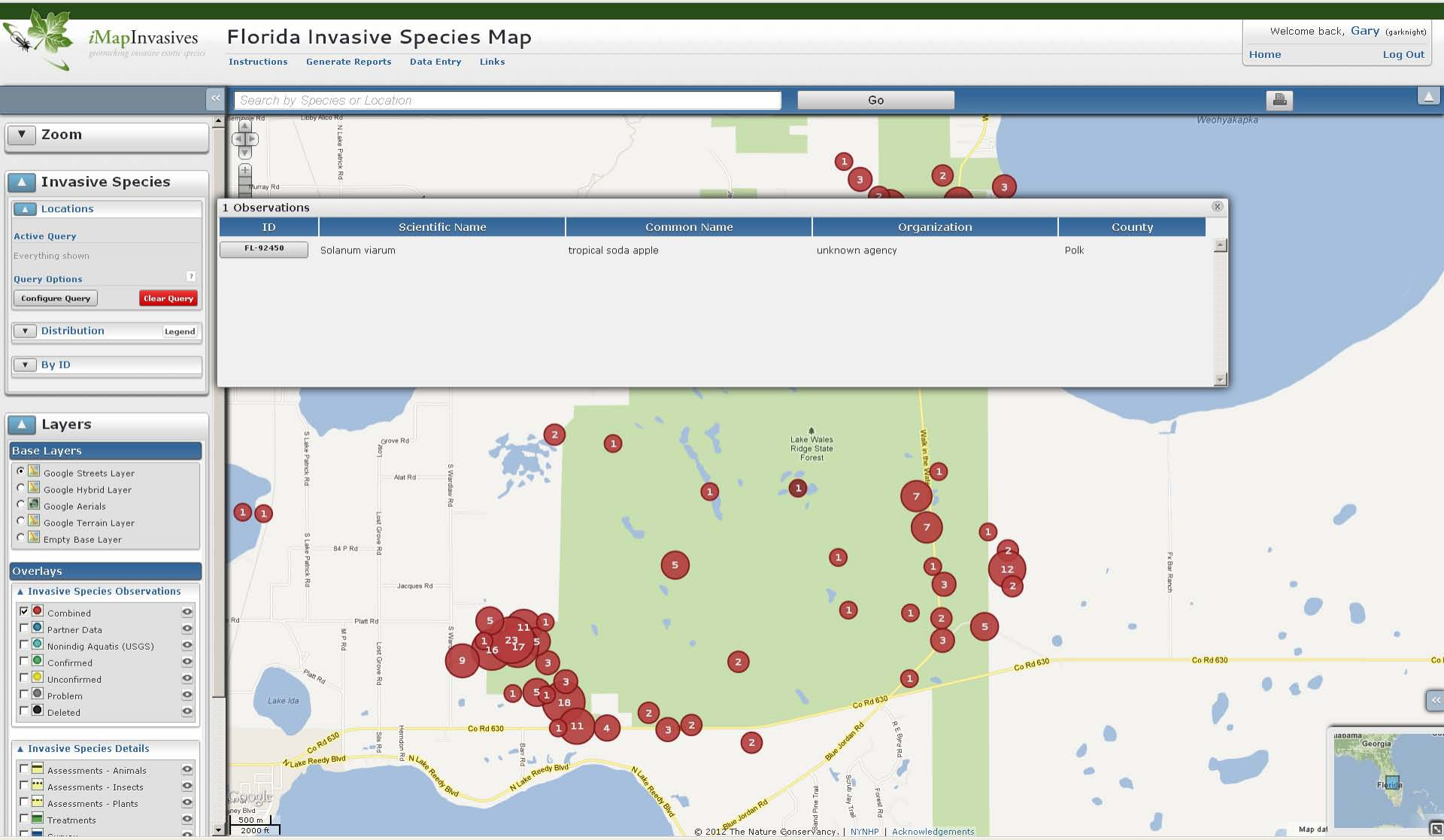
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Unconfirmed
Problem
Deleted
Invasive Species Details
Assessments - Animals
Assessments - Insects
Assessments - Plants
Treatments
Survey
Map Overlay Layers
Counties
Conservation Lands
CISMA
HUC 8
Gulf of Mexico
Orlando
Tampa
St Petersburg
Lakeland
Kissimmee
Sarasota
Bradenton
Fort Myers
Cape Coral
Lake Okeechobee
Port St Lucie
Fort Pierce
Vero Beach
Palm Bay
Melbourne
West Palm Beach
Sebring
Avon Park
Clearwater
Spring Hill
©2012 The Nature Conservancy | NYNHP | Acknowledgements
20 km
10 mi
Georgia
Florida


iMapInvasives
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Unconfirmed
Problem
Deleted
Invasive Species Details
Assessments - Animals
Assessments - Insects
Assessments - Plants
Treatments
Survey
Map Overlay Layers
Counties
Conservation Lands
CISMA
HUC 8
Gulf of Mexico
Clearwater
Spring Hill
Zolfo Springs
Lake Okeechobee
West Palm Beach
Georgia
Florida
Google
20 km


iMapInvasives
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Zoom
Invasive Species
Locations
Active Query
Everything shown
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Unconfirmed
Problem
Deleted
Invasive Species Details
Assessments - Animals
Assessments - Insects
Assessments - Plants
Treatments
Lake Leonore
Lake Ida
Lake Wales Ridge State Forest
Weohyakapka
Co Rd 630
N Lake Reedy Blvd
Blue Jordan Rd
Jewell Ln
Pfundstein Rd
Murray Rd
Alat Rd
Jacques Rd
Platt Rd
84 P Rd
Walk in the Water Rd
Georgia
Florida
500 m


iMapInvasives
geomatching invasive exotic species
Florida Invasive Species Map
Instructions
Generate Reports
Data Entry
Links
Welcome back, Gary (garknight)
Home
Log Out
Search by Species or Location
Go
Zoom
Invasive Species
Locations
Active Query
Everything shown
Query Options
Configure Query
Clear Query
Distribution
Legend
By ID
Layers
Base Layers
Google Streets Layer
Google Hybrid Layer
Google Aerials
Google Terrain Layer
Empty Base Layer
Overlays
Invasive Species Observations
Combined
Partner Data
Nonindig Aquatis (USGS)
Confirmed
Unconfirmed
Problem
Deleted
Invasive Species Details
Assessments - Animals
Assessments - Insects
Assessments - Plants
Treatments
1 Observations
ID
Scientific Name
Common Name
Organization
County
FL-92450
Solanum viarum
tropical soda apple
unknown agency
Polk
Lake Wales Ridge State Forest
Lake Ida
Co Rd 630
N Lake Reedy Blvd
Blue Jordan Rd
Alat Rd
Jacques Rd
Platt Rd
84 P Rd
Lost Grove Rd
S Lake Patrick Rd
N Lake Patrick Rd
Weohyakapka
Georgia
Florida
500 m
2000 ft
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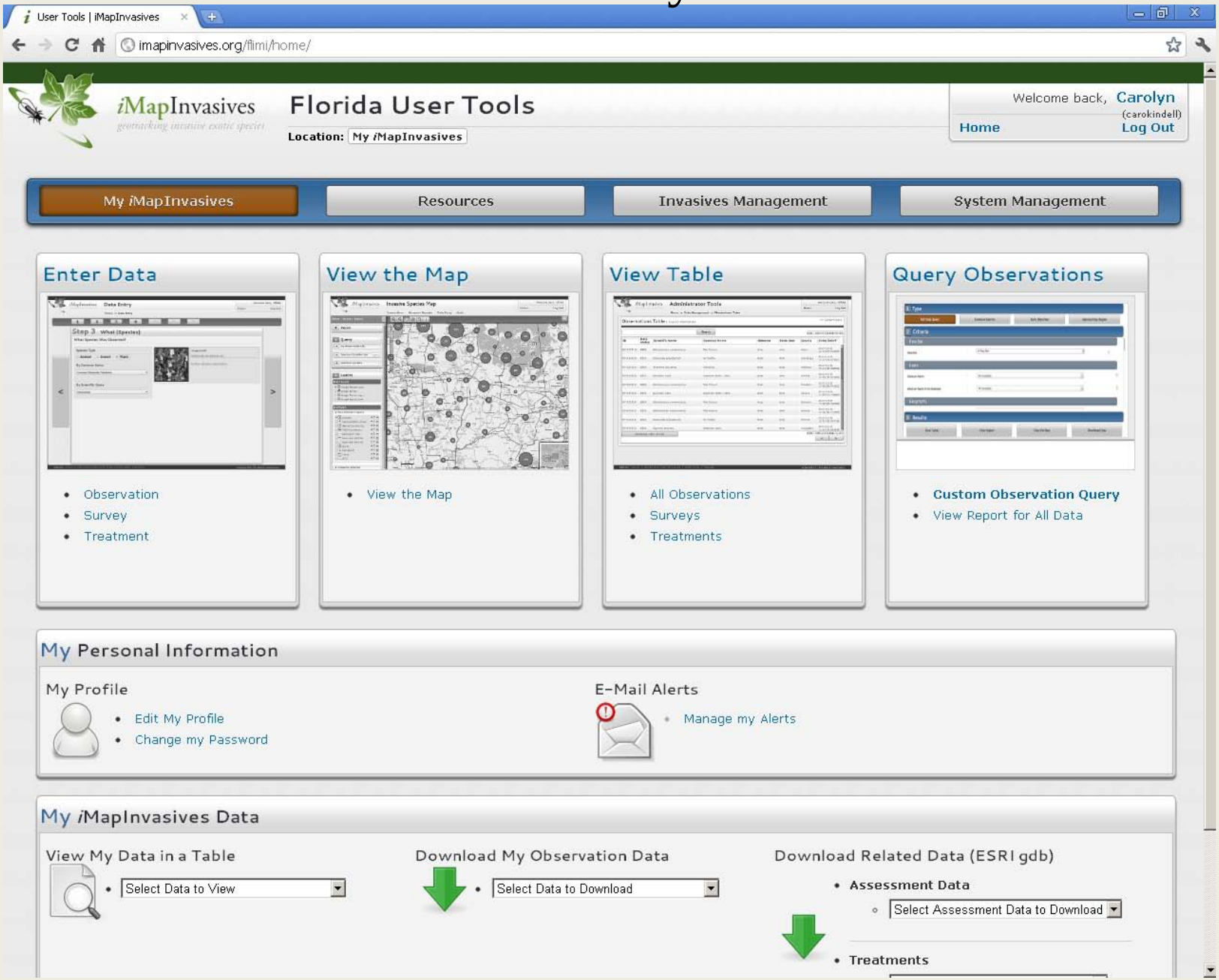
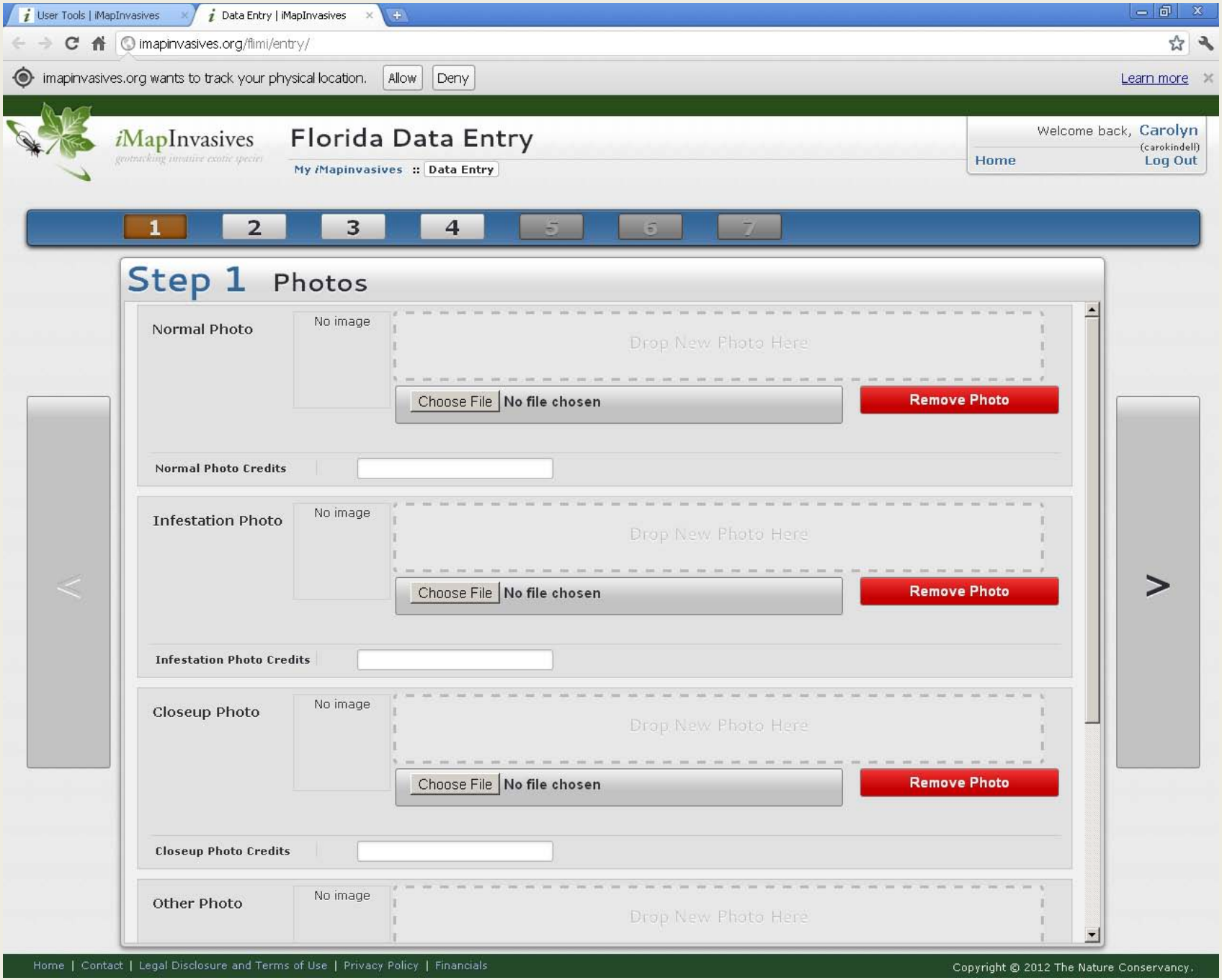
Data Entry


User Tools | iMapInvasives
imapinvasives.org/flimi/home/
iMapInvasives
geotracking invasive exotic species
Florida User Tools
Location: My iMapInvasives
Welcome back, Carolyn
(carokindell)
Home
Log Out
My iMapInvasives
Resources
Invasives Management
System Management
Enter Data
Observation
Survey
Treatment
View the Map
View the Map
View Table
All Observations
Surveys
Treatments
Query Observations
Custom Observation Query
View Report for All Data
My Personal Information
My Profile
Edit My Profile
Change my Password
E-Mail Alerts
Manage my Alerts
My iMapInvasives Data
View My Data in a Table
Select Data to View
Download My Observation Data
Select Data to Download
Download Related Data (ESRI gdb)
Assessment Data
Select Assessment Data to Download
Treatments


User Tools | iMapInvasives
Data Entry | iMapInvasives
imapinvasives.org/flimi/entry/
imapinvasives.org wants to track your physical location.
Allow
Deny
Learn more
iMapInvasives
geotracking invasive exotic species
Florida Data Entry
My iMapinvasives :: Data Entry
Welcome back, Carolyn
(carokindell)
Home
Log Out
1
2
3
4
5
6
7
Step 1 Photos
Normal Photo
No image
Drop New Photo Here
Choose File
No file chosen
Remove Photo
Normal Photo Credits
Infestation Photo
No image
Drop New Photo Here
Choose File
No file chosen
Remove Photo
Infestation Photo Credits
Closeup Photo
No image
Drop New Photo Here
Choose File
No file chosen
Remove Photo
Closeup Photo Credits
Other Photo
No image
Drop New Photo Here
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iMapInvasives
getting a handle on invasive species

Florida Data Entry

My iMapinvasives :: Data Entry

Welcome back, Gary (garknight)
Home Log Out

1 2 3 4 5 6 7

Step 2 Who

Are you entering data you observed?

- (•) Yes, I am the observer
- ( ) No, I am entering data for Select User
- ( ) No, but the observer is not listed

<

>

1 2 3 4 5 6 7

Step 3 Project

Are you entering data for a project?

- (•) No, I am not.
  If you would like to add a project, please contact fprice@fnai.org
- ( ) Yes, I am entering it for

<
>

User Tools | iMapInvasives | Data Entry | iMapInvasives

imapinvasives.org/flimi/entry/

imapinvasives.org wants to track your physical location. Allow Deny Learn more

iMapInvasives
geotracking invasive exotic species

Florida Data Entry

My iMapinvasives :: Data Entry

Welcome back, Carolyn (carokindell)
Home Log Out

1 2 3 4 5 6 7

Step 4 What (Species)

What Species Was Observed?

Species Type

Animal Insect Plant

By Common Name

Kudzu

By Scientific Name

What (Species)

Pueraria montana var. lobata

Show Full Image

Image Credit

Jil Swearingen, USDI National Park Service, Bugwood.org

Further Species Information

<

>

iMapInvasives
getmicking invasive exotic species

Florida Data Entry

My iMapinvasives :: Data Entry

Welcome back, Gary (garknight)
Home Log Out

1 2 3 4 5 6 7

Step 5 When

When was the species observed?

Select a date
2012-03-01

<
>

User Tools | iMapInvasives | Data Entry | iMapInvasives

imapinvasives.org/flimi/entry/

iMapInvasives
geotracking invasive exotic species

Florida Data Entry

My iMapinvasives :: Data Entry

Welcome back, Carolyn (carokindell)
Home | Log Out

1 | 2 | 3 | 4 | 5 | 6 | 7

Step 6 Where

Search by Coordinate

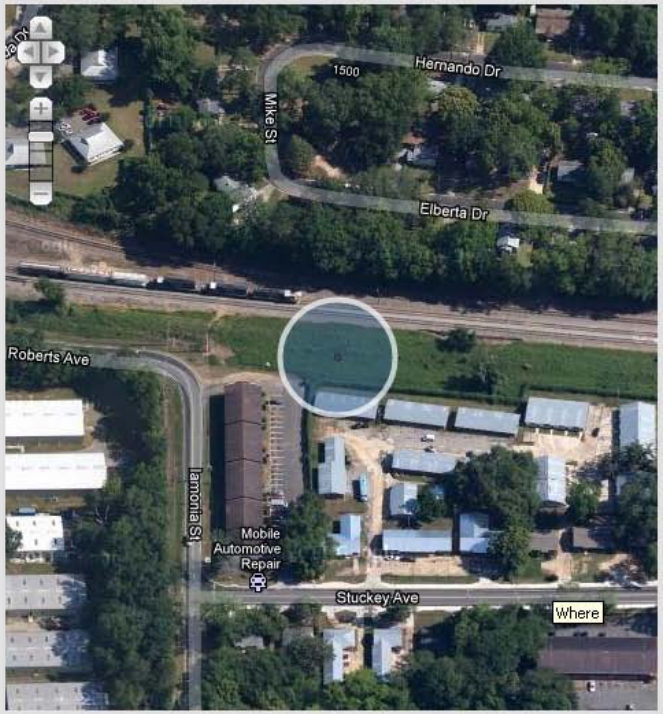
Lat / Lon Decimal

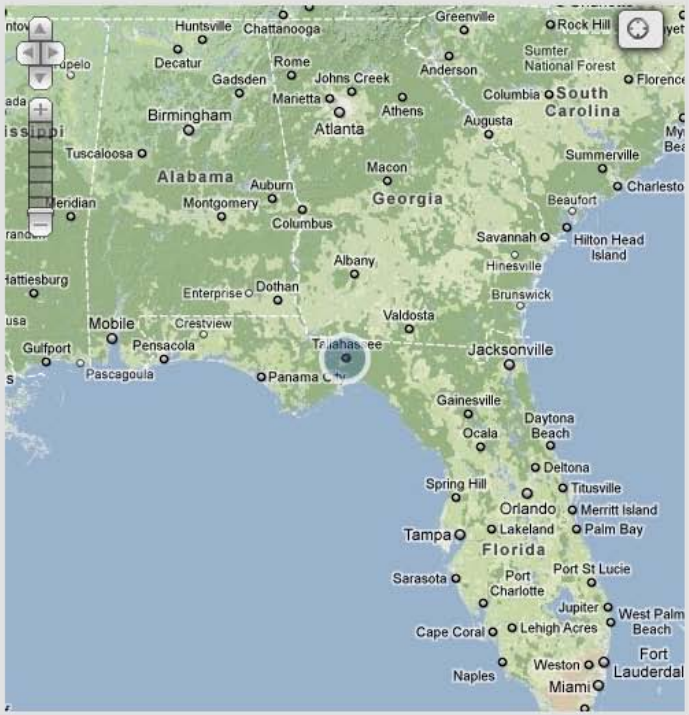
Enter Coordinate

Longitude -84.31002 Latitude 30.42764

Search by Location | Go

Drag Map to Update Location



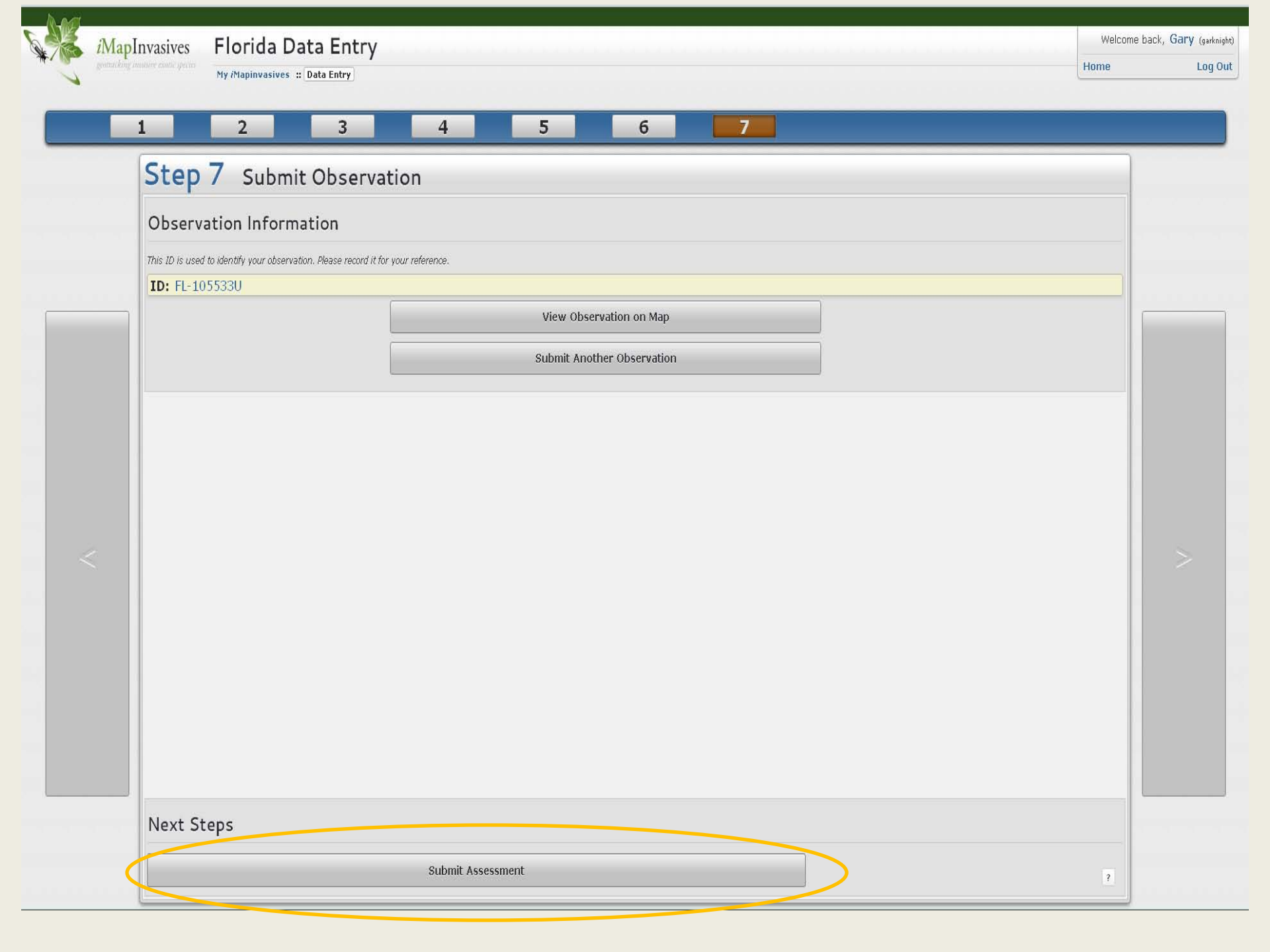


Home | Contact | Legal Disclosure and Terms of Use | Privacy Policy | Financials

Step 7 Submit Observation

Submit Observation To review your record, please use the buttons above

Submit Observation


iMapInvasives
Florida Data Entry
My iMapinvasives :: Data Entry
Welcome back, Gary (garknight)
Home
Log Out
1
2
3
4
5
6
7
Step 7 Submit Observation
Observation Information
This ID is used to identify your observation. Please record it for your reference.
ID: FL-105533U
View Observation on Map
Submit Another Observation
Next Steps
Submit Assessment

Plant Assessment

New Record

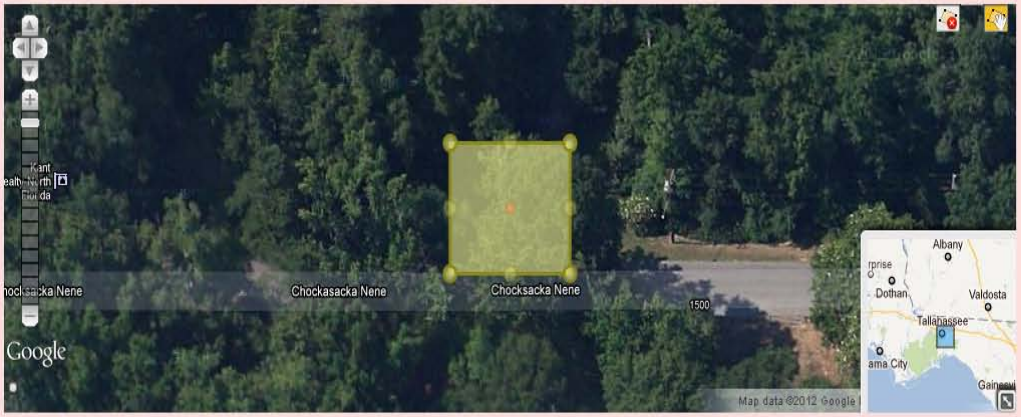
Search

Search for Location

Go

* Assessment 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 assessment polygon.)
- Use the pan button to move the map or edit the polygon



Polygon Area (in square meters)

204.50072602896398

Photos

Photo 1

No image

Drop New Photo Here

Choose File No file chosen

Remove Photo

Photo 1 Credit

Photo 2

No image

Drop New Photo Here

Choose File No file chosen

Remove Photo

Plant Assessment

New Record

Search

Search for Location

Go

* Assessment 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 assessment polygon.)
- Use the pan button to move the map or edit the polygon

Polygon Area (in square meters)

298.1238084907309

Photos

Photo 1

No image

Drop New Photo Here

Choose File No file chosen

Remove Photo

Photo 1 Credit

Photo 2

No image

Drop New Photo Here

Choose File No file chosen

Remove Photo

Assessment Information

Plant Type	Plant Terrestrial
* Observation ID	FL-105533U
Evaluation Type	---------
Evaluation Type Comments	
Site Disturbance Type	---------
Site Disturbance Severity	---------
Follow Up	---------
Assessment Comments	

Affected Area Information

Disturbance Comments	
Infested Area	
Unit of Measure	---------
Percent Cover	
Cover Class	---------
Gross Area (square meters)	298

Site Disturbance Severity: d) Heavy

Follow Up: ---------

Assessment Comments:

Affected Area Information

Disturbance Comments:

Infested Area:

Unit of Measure: a) Acres

Percent Cover: 5

Cover Class: a) less than 5%

Gross Area (square meters): 298

Area of land/water containing the organism of interest, including areas not infested. The gross area is defined by drawing a line around the general outer perimeter of the area occupied by the population.

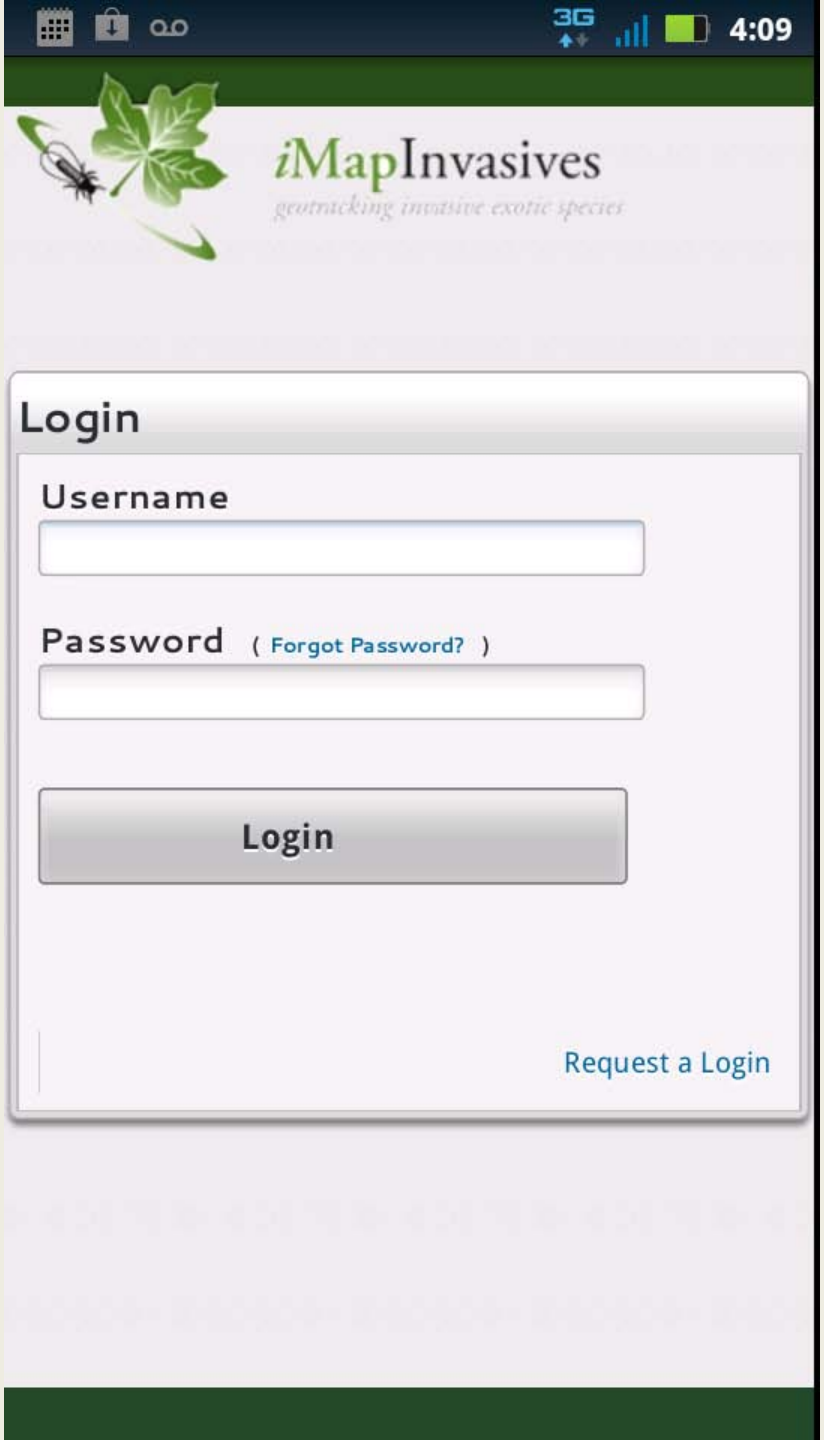
Landscape Type: ---------

Landscape and Location Comments:

Native Vegetation Distribution: ---------

Plant Information

Plant Distribution: ---------


4:09
iMapInvasives
geotracking invasive exotic species
Login
Username
Password
(Forgot Password?)
Login
Request a Login

iMapInvasives
geotracking invasive exotic species

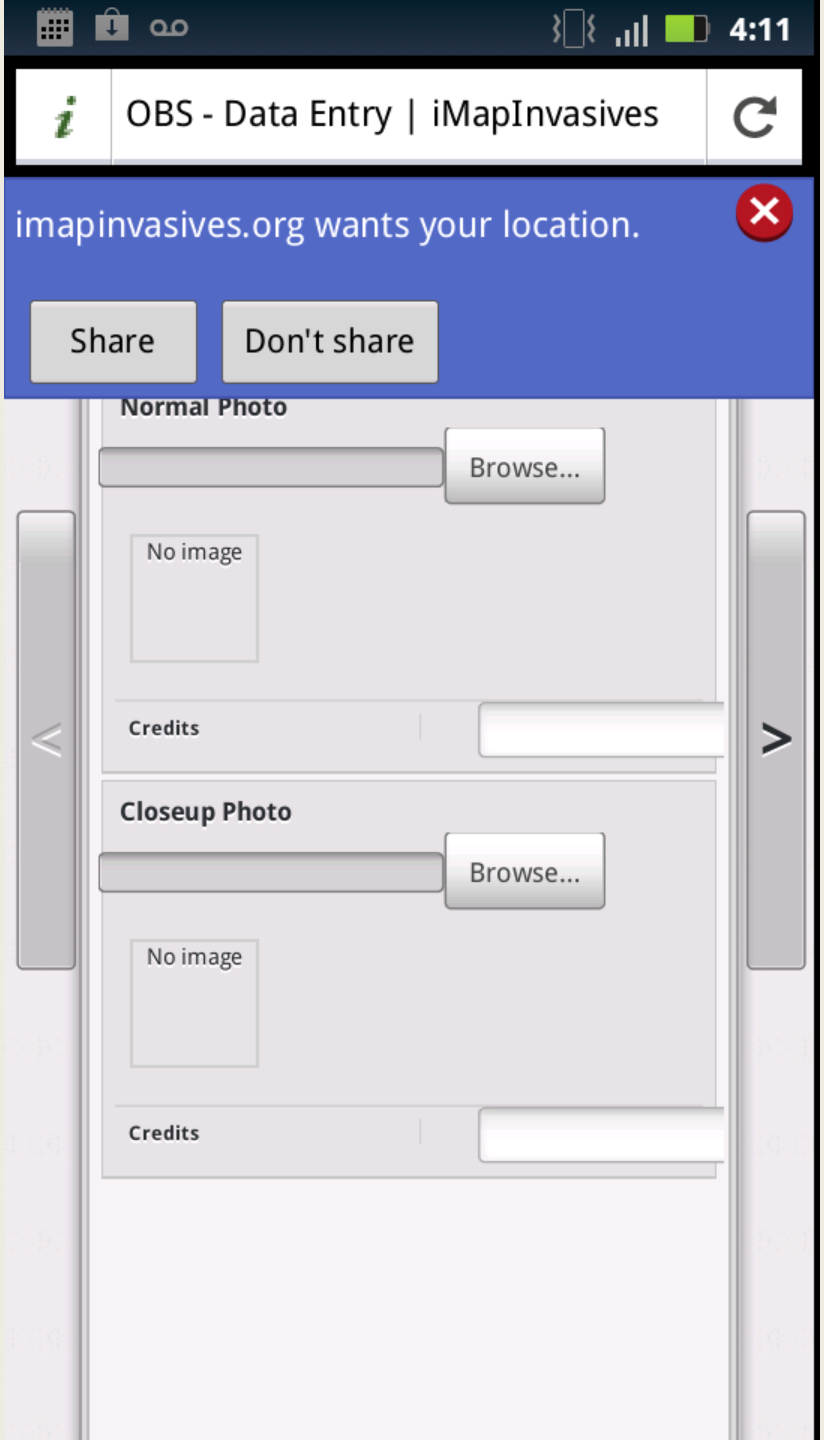
New York Administrator Tools

Location: My iMapInvasives

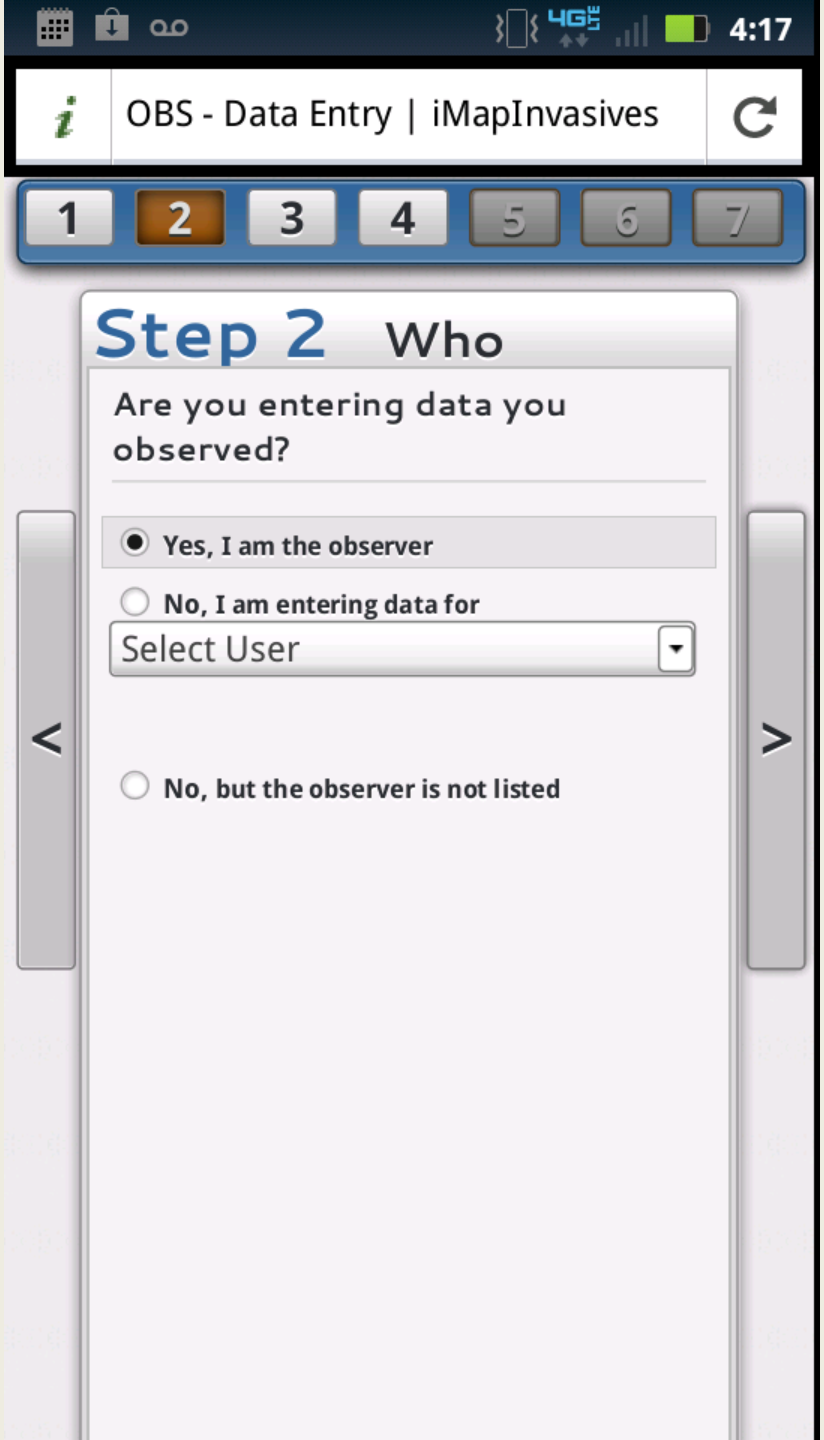
My iMapInvasives | Resources

Enter Data

- Observation
- SmartphoneTips
- Survey
- Treatment


4:11
OBS - Data Entry | iMapInvasives
imapinvasives.org wants your location.
Share
Don't share
Normal Photo
Browse...
No image
Credits
Closeup Photo
Browse...
No image
Credits


4:17
OBS - Data Entry | iMapInvasives
1
2
3
4
5
6
7
Step 1 Photos
Normal Photo
/data/data/org.mozilla.firefc
Browse...
Upload Complete
Credits
Closeup Photo
Browse...
No image
Credits


4:17
OBS - Data Entry | iMapInvasives
1
2
3
4
5
6
7
Step 2 Who
Are you entering data you observed?
Yes, I am the observer
No, I am entering data for
Select User
No, but the observer is not listed
<
>


4:18
OBS - Data Entry | iMapInvasives
1
2
3
4
5
6
7
Step 3 Project
Are you entering data for a project?
No, I am not.
If you would like to add a project, please contact imapinvasives@nynhp.org
Yes, I am entering it for
<
>


4:18
OBS - Data Entry | iMapInvasives
1
2
3
4
5
6
7
Step 4 What
Species Type
Animal
Insect
Plant
By Common Name
Select A Species
By Scientific Name
Select A Species

Step 6 Where

Drag Map to Update Location

4:21

1 2 3 4 5 6 7

Step 6 Where

Drag Map to Update Location

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User Tools | iMapInvasives

imapinvasives.org/flimi/home/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Location: My iMapInvasives

Welcome back, Carolyn (carokindell)
Home | Log Out

My iMapInvasives | Resources | Invasives Management | System Management

Enter Data

- Observation
- Survey
- Treatment

View the Map

- View the Map

View Table

- All Observations
- Surveys
- Treatments

Query Observations

- **Custom Observation Query**
- View Report for All Data

My Personal Information

My Profile

- Edit My Profile
- Change my Password

E-Mail Alerts

- Manage my Alerts

My iMapInvasives Data

View My Data in a Table

- Select Data to View

Download My Observation Data

- Select Data to Download

Download Related Data (ESRI gdb)

- **Assessment Data**
  - Select Assessment Data to Download
- **Treatments**

User Tools | iMapInvasives

User Tools | iMapInvasives

imapinvasives.org/flimi/survey/new/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Invasives Management :: Surveys :: Survey Information

Welcome back, Carolyn (carokindell)
Home Log Out

Survey Information

New Record

Search | Search for Location | 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) | 53958.52443903871

Basic Survey Fields

*** Survey Goal** | ---------

*** Lead Contact** | ---------

*** Targeted Species** | Select Some Options

Targeted Species Detected | Select Some Options

*** Survey Start Date**

*** Survey End Date**

User Tools | iMapInvasives

User Tools | iMapInvasives

imapinvasives.org/flimi/treatment/new/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Invasives Management :: Treatments :: Treatment Information

Welcome back, Carolyn (carokindell)
Home Log Out

Treatment Information

New Record

Search

Search for Location

Go

*** Treatment 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 treatment polygon.)
- Use the pan button to move the map or edit the polygon

Polygon Area (in square meters)

Required Fields

* Treatment Goals	---------
* Lead Contact	---------
* Targeted Species	Select Some Options
* Treatment Start Date	
* Treatment End Date	
* Permit needed?	---------

User Tools | iMapInvasives

imapinvasives.org/flimi/home/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Location: My iMapInvasives

Welcome back, Carolyn (carokindell)
Home | Log Out

My iMapInvasives | Resources | Invasives Management | System Management

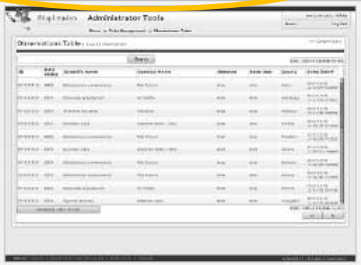
Enter Data

- Observation
- Survey
- Treatment

View the Map

- View the Map

View Table



- All Observations
- Surveys
- Treatments

Query Observations

- **Custom Observation Query**
- View Report for All Data

My Personal Information

My Profile

- Edit My Profile
- Change my Password

E-Mail Alerts

- Manage my Alerts

My iMapInvasives Data

View My Data in a Table

- Select Data to View

Download My Observation Data

- Select Data to Download

Download Related Data (ESRI gdb)

- **Assessment Data**
  - Select Assessment Data to Download
- **Treatments**

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Observations Table

Custom Data Query

Active Custom Query

User_type = all_data Clear Query

Search

0 - 25 of 184,859 results

ID	Status	Scientific Name	Common Name	Observer	Entry User	County	Entry Date ▼	Photo
FL-145109	Partner Data	Lygodium microphyllum	old world climbing fern	unknown		Palm Beach		0
FL-21902	Partner Data	Urochloa mutica	para grass	gweniacona		St. Lucie		0
FL-48840	Partner Data	Abrus precatorius	rosary pea	annecox		Martin		0
FL-87272	Partner Data	Schinus terebinthifolius	Brazilian pepper	unknown		Miami-Dade		0
FL-106586	Partner Data	Imperata cylindrica	cogon grass	unknown		Polk		0
FL-125853	Partner Data	Casuarina equisetifolia	Australian pine	unknown		Lee		0
FL-145110	Partner Data	Lygodium microphyllum	old world climbing fern	unknown		Palm Beach		0
FL-21903	Partner Data	Abrus precatorius	rosary pea	gweniacona		St. Lucie		0
FL-48841	Partner Data	Schinus terebinthifolius	Brazilian pepper	annecox		Martin		0
FL-68041	Partner Data	Schinus terebinthifolius	Brazilian pepper	unknown		Lee		0
FL-87273	Partner Data	Dioscorea bulbifera	air-potato	stevgreen		Miami-Dade		0
FL-106587	Partner Data	Urena lobata	Caesar's weed	rodegrills		Orange		0
FL-125854	Partner Data	Ricinus communis	castor bean	unknown		Lee		0
FL-145111	Partner Data	Schinus terebinthifolius	Brazilian pepper	unknown		Collier		0
FL-21904	Partner Data	Schinus terebinthifolius	Brazilian pepper	gweniacona		St. Lucie		0

0 - 25 of 184,859 results

< >

User Tools | iMapInvasives

imapinvasives.org/flimi/home/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Location: My iMapInvasives

Welcome back, Carolyn (carokindell)
Home | Log Out

My iMapInvasives | Resources | Invasives Management | System Management

Enter Data

- Observation
- Survey
- Treatment

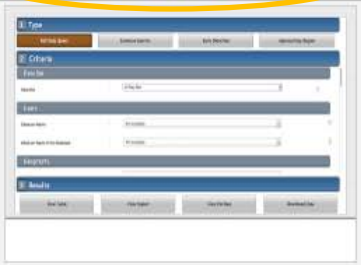
View the Map

- View the Map

View Table

- All Observations
- Surveys
- Treatments

Query Observations



- **Custom Observation Query**
- View Report for All Data

My Personal Information

My Profile

- Edit My Profile
- Change my Password

E-Mail Alerts

- Manage my Alerts

My iMapInvasives Data

View My Data in a Table

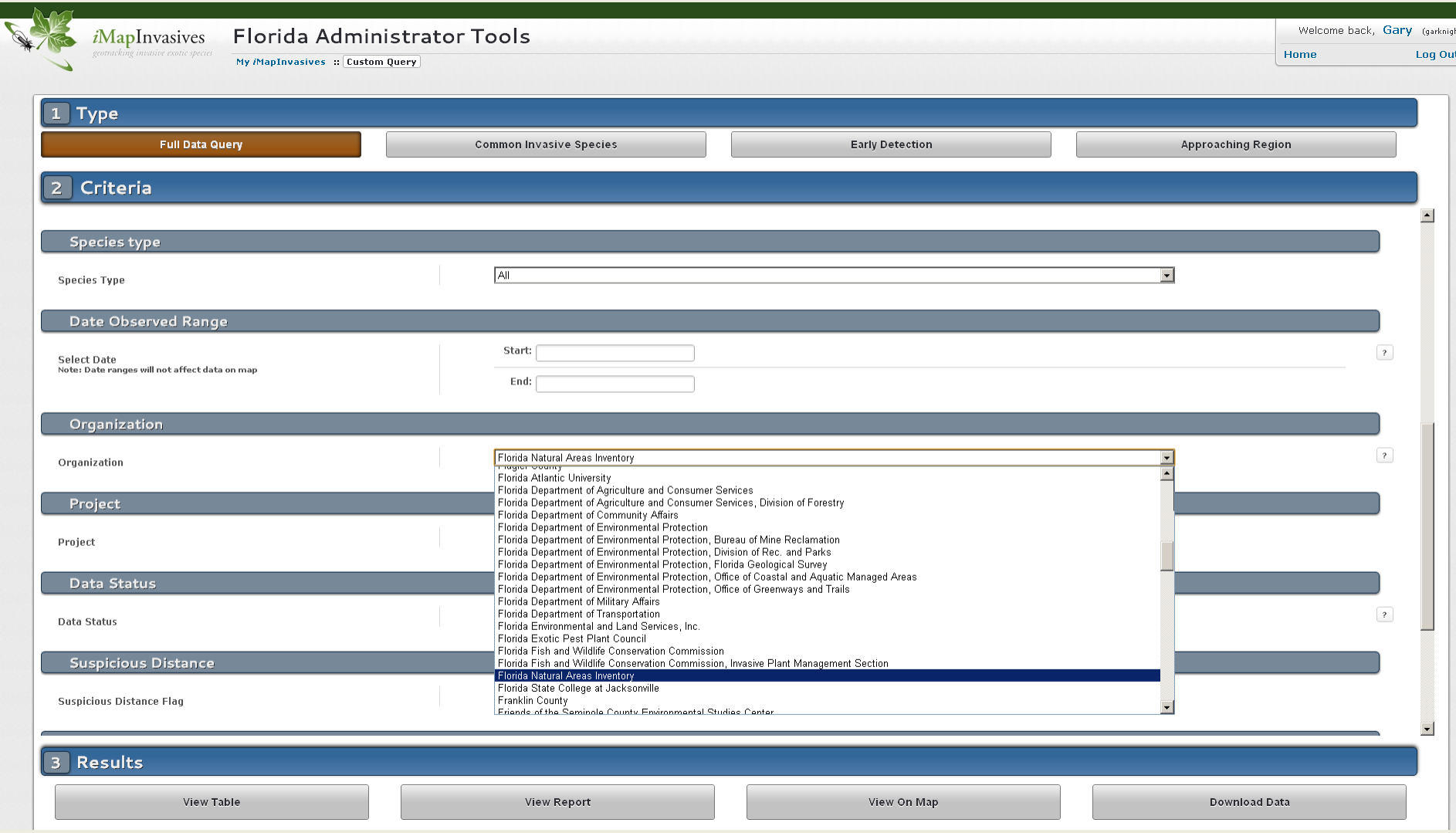
- Select Data to View

Download My Observation Data

- Select Data to Download

Download Related Data (ESRI gdb)

- **Assessment Data**
  - Select Assessment Data to Download
- **Treatments**


iMapInvasives
geotracking invasive exotic species
Florida Administrator Tools
My iMapInvasives :: Custom Query
Welcome back, Gary (garknight)
Home
Log Out
1 Type
Full Data Query
Common Invasive Species
Early Detection
Approaching Region
2 Criteria
Species type
Species Type
All
Date Observed Range
Select Date
Note: Date ranges will not affect data on map
Start:
End:
Organization
Organization
Florida Natural Areas Inventory
Florida Atlantic University
Florida Department of Agriculture and Consumer Services
Florida Department of Agriculture and Consumer Services, Division of Forestry
Florida Department of Community Affairs
Florida Department of Environmental Protection
Florida Department of Environmental Protection, Bureau of Mine Reclamation
Florida Department of Environmental Protection, Division of Rec. and Parks
Florida Department of Environmental Protection, Florida Geological Survey
Florida Department of Environmental Protection, Office of Coastal and Aquatic Managed Areas
Florida Department of Environmental Protection, Office of Greenways and Trails
Florida Department of Military Affairs
Florida Department of Transportation
Florida Environmental and Land Services, Inc.
Florida Exotic Pest Plant Council
Florida Fish and Wildlife Conservation Commission
Florida Fish and Wildlife Conservation Commission, Invasive Plant Management Section
Florida Natural Areas Inventory
Florida State College at Jacksonville
Franklin County
Project
Project
Data Status
Data Status
Suspicious Distance
Suspicious Distance Flag
3 Results
View Table
View Report
View On Map
Download Data

Generated Report

Print

Report for Data Entry Submitter: Gweniacona , Observer: Gweniacona

8887 Total Observations Found

Date Generated: March 01, 2012

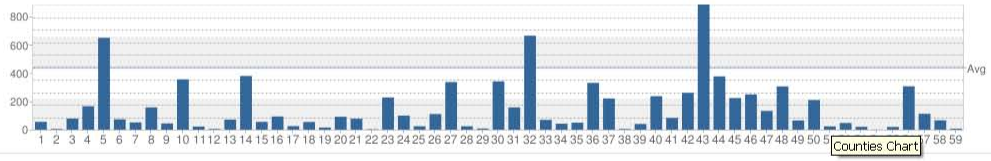
View Quick Summary Report

Counties: 59
Species: 106
Users: 1
Organizations: 5

List of Observations

County Report – 59 Counties

Summary



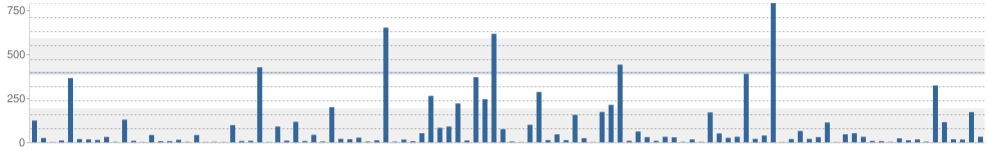
Total Counties: 59
Average Number of Observations: 150

Counties Found

1 **Alachua**: 55	11 **Dixie**: 71	25 **Holmes**: 24	37 **Miami-dade**: 220	49 **St. johns**: 65
2 **Baker**: 5	12 **Escambia**: 379	26 **Indian river**: 110	38 **Nassau**: 5	50 **St. lucie**: 209
3 **Bay**: 78	13 **Flagler**: 55	27 **Jackson**: 336	39 **Okaloosa**: 40	51 **Sumter**: 23
4 **Bradford**: 165	14 **Franklin**: 93	28 **Jefferson**: 24	40 **Orange**: 236	52 **Suwannee**: 47
5 **Brevard**: 648	15 **Gadsden**: 25	29 **Lafayette**: 8	41 **Osceola**: 83	53 **Taylor**: 20
6 **Broward**: 73	16 **Gilchrist**: 54	30 **Lake**: 341	42 **Pasco**: 260	54 **Undefined County**: 1
7 **Charlotte**: 51	17 **Glades**: 15	31 **Lee**: 157	43 **Pinellas**: 883	55 **Union**: 19
8 **Citrus**: 157	18 **Gulf**: 91	32 **Leon**: 663	44 **Polk**: 376	56 **Volusia**: 306
9 **Clay**: 44	19 **Hamilton**: 77	33 **Levy**: 69	45 **Putnam**: 223	57 **Wakulla**: 112
10 **Collier**: 355	20 **Hardee**: 3	34 **Liberty**: 42	46 **Santa rosa**: 249	58 **Walton**: 66
11 **Columbia**: 22	21 **Hernando**: 227	35 **Madison**: 49	47 **Sarasota**: 132	59 **Washington**: 7
12 **Desoto**: 5	24 **Hillsborough**: 99	36 **Manatee**: 330	48 **Seminole**: 305	

Species Report – 106 Species

Summary



Total Species: 106
Average Number of Observations: 83

Species Found

1 **Abrus precatorius** | *Rosary Pea*
123 observations *(ID: 2-156893)*
Common Invasive Species

2 **Acacia auriculiformis** | *Earleaf Acacia*
24 observations *(ID: 2-146783)*
Common Invasive Species

3 **Adenanthera pavonina** | *Red Sandalwood*
1 observations *(ID: 2-144010)*
Common Invasive Species

4 **Agave sisalana** | *Sisal Hemp*
10 observations *(ID: 2-142908)*
Common Invasive Species

5 **Albizia julibrissin** | *Mimosa*
364 observations *(ID: 2-155382)*
Common Invasive Species

6 **Albizia lebbeck** | *Woman's-tongue Tree*
18 observations *(ID: 2-131494)*
Common Invasive Species

7 **Aleurites fordii** | *Tung oil Tree*
16 observations *(ID: 2-149724)*

55 **Manilkara zapota** | *Sapodilla*
1 observations *(ID: 2-156165)*
Common Invasive Species

56 **Melaleuca quinquenervia** | *Melaleuca*
99 observations *(ID: 2-132725)*
Common Invasive Species Featured Species

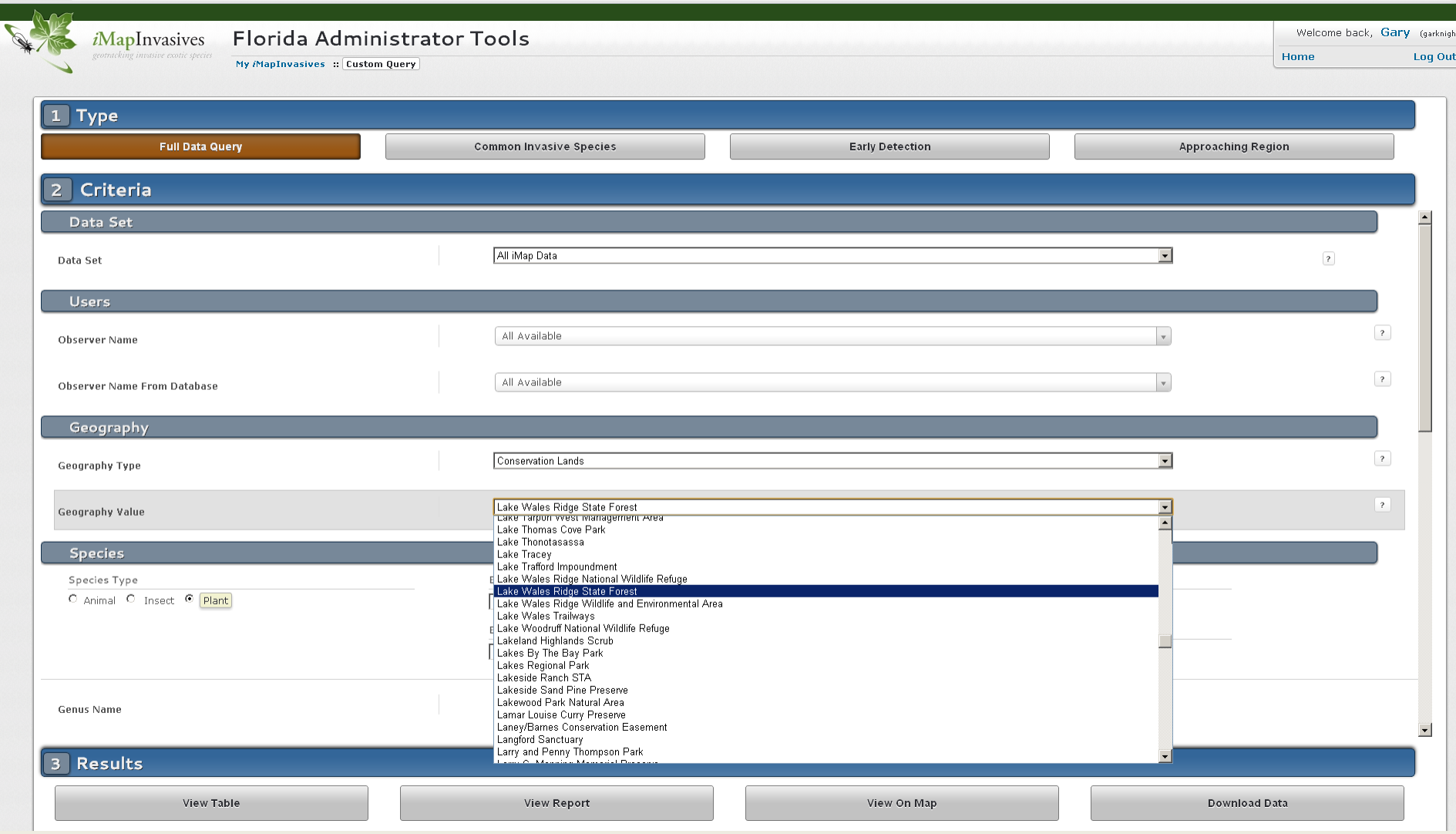
57 **Melia azedarach** | *Chinaberry*
285 observations *(ID: 2-152741)*
Common Invasive Species

58 **Mimosa pigra** | *Catclaw Mimosa*
12 observations *(ID: 2-149309)*
Common Invasive Species

59 **Nandina domestica** | *Heavenly Bamboo*
45 observations *(ID: 2-155397)*
Common Invasive Species

60 **Nephrolepis brownii** | *Asian Sword Fern*
12 observations *(ID: 2-132729)*
Common Invasive Species

61 **Nephrolepis cordifolia** | *Sword Fern*
155 observations *(ID: 2-153758)*


iMapInvasives
geotracking invasive exotic species
Florida Administrator Tools
My iMapInvasives :: Custom Query
Welcome back, Gary (garknight)
Home
Log Out
1 Type
Full Data Query
Common Invasive Species
Early Detection
Approaching Region
2 Criteria
Data Set
Data Set
All iMap Data
Users
Observer Name
All Available
Observer Name From Database
All Available
Geography
Geography Type
Conservation Lands
Geography Value
Lake Wales Ridge State Forest
Lake Tarpon West Management Area
Lake Thomas Cove Park
Lake Thonotasassa
Lake Tracey
Lake Trafford Impoundment
Lake Wales Ridge National Wildlife Refuge
Lake Wales Ridge State Forest
Lake Wales Ridge Wildlife and Environmental Area
Lake Wales Trailways
Lake Woodruff National Wildlife Refuge
Lakeland Highlands Scrub
Lakes By The Bay Park
Lakes Regional Park
Lakeside Ranch STA
Lakeside Sand Pine Preserve
Lakewood Park Natural Area
Lamar Louise Curry Preserve
Laney/Barnes Conservation Easement
Langford Sanctuary
Larry and Penny Thompson Park
Species
Species Type
Animal
Insect
Plant
Genus Name
3 Results
View Table
View Report
View On Map
Download Data

Generated Report

Print

Report for Conservation Lands: Lake Wales Ridge State Forest

1519 Total Observations Found

Date Generated: March 01, 2012

View Quick Summary Report

Counties: 1
Species: 27
Users: 5
Organizations: 4

List of Observations

County Report – 1 Counties

Counties Found

1. **Polk:** 1519

Species Report – 27 Species

Summary

Total Species: 27
Average Number of Observations: 56

Species Found

Abrus precatorius | *Rosary Pea* 1
26 observations *(ID: 2-156893)*
Common Invasive Species

Melia azedarach | *Chinaberry* 15
1 observations *(ID: 2-152741)*
Common Invasive Species

Total Species: 27
Average Number of Observations: 56

Species Found

1
Abrus precatorius | *Rosary Pea*
26 observations *(ID: 2-156893)*
Common Invasive Species

2
Albizia julibrissin | *Mimosa*
3 observations *(ID: 2-155382)*
Common Invasive Species

3
Cinnamomum camphora | *Camphor Tree*
10 observations *(ID: 2-132610)*
Common Invasive Species

4
Dactyloctenium aegyptium | *Durban Crow-foot Grass*
1 observations *(ID: 2-151603)*
Common Invasive Species

5
Dalbergia sissoo | *Indian Rosewood*
1 observations *(ID: 2-130140)*
Common Invasive Species

6
Dioscorea bulbifera | *Air-Potato*
6 observations *(ID: 2-153194)*
Common Invasive Species

7
Eichhornia crassipes | *Water Hyacinth*
1 observations *(ID: 2-133608)*
Common Invasive Species

8
Eugenia uniflora | *Surinam Cherry*
1 observations *(ID: 2-159032)*
Common Invasive Species

9
Imperata cylindrica | *Cogon Grass*
671 observations *(ID: 2-133529)*
Common Invasive Species Featured Species

10
Lantana camara | *Lantana*

15
Melia azedarach | *Chinaberry*
1 observations *(ID: 2-152741)*
Common Invasive Species

16
Panicum repens | *Torpedo Grass*
2 observations *(ID: 2-131742)*
Common Invasive Species Featured Species

17
Psidium cattleianum | *Strawberry Guava*
1 observations *(ID: 2-131341)*
Common Invasive Species

18
Psidium guajava | *Guava*
2 observations *(ID: 2-135070)*
Common Invasive Species

19
Rhynchelytrum repens | *Natal Grass*
29 observations *(ID: 2-151602)*
Common Invasive Species

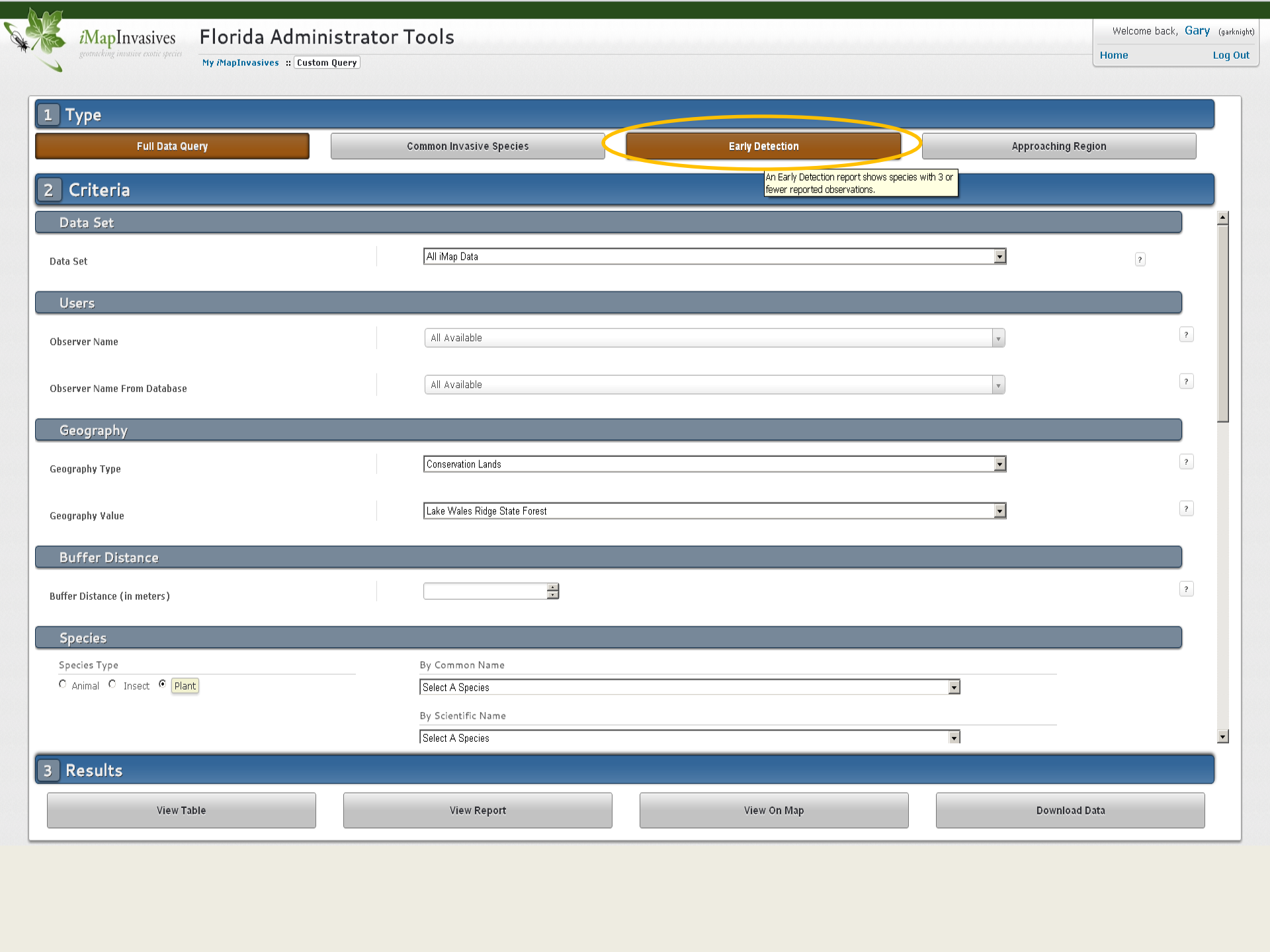
20
Sapium sebiferum | *Chinese Tallow*
2 observations *(ID: 2-147870)*
Common Invasive Species

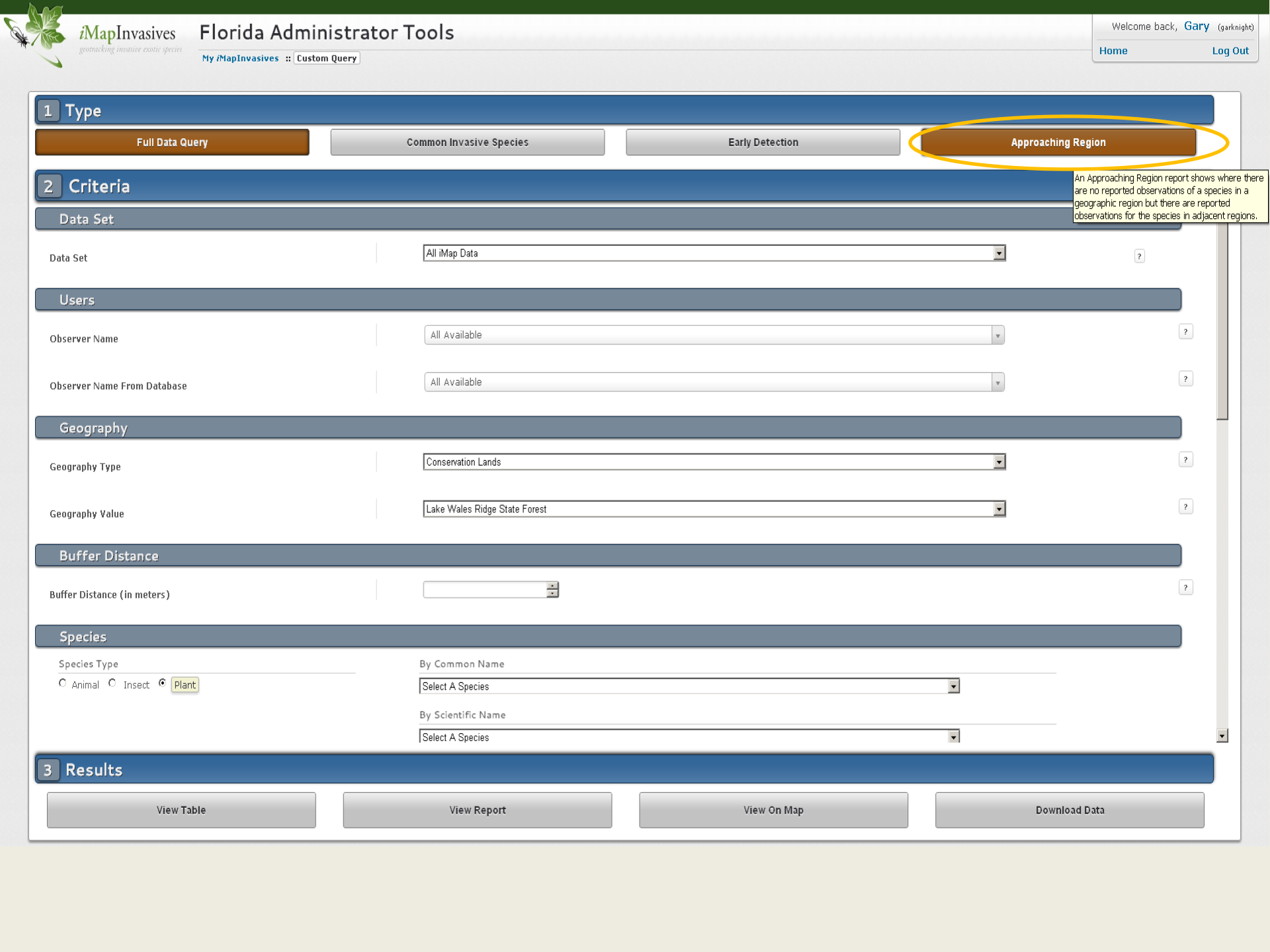
21
Schinus terebinthifolius | *Brazilian Pepper*
34 observations *(ID: 2-147002)*
Common Invasive Species Featured Species

22
Solanum viarum | *Tropical Soda Apple*
113 observations *(ID: 2-150308)*
Common Invasive Species Featured Species

23
Sphagneticola trilobata | *Wedelia*
5 observations *(ID: 2-130260)*
Common Invasive Species

24
Syagrus romanzoffiana | *Queen palm*


iMapInvasives
geotracking invasive exotic species
Florida Administrator Tools
My iMapInvasives :: Custom Query
Welcome back, Gary (garknight)
Home
Log Out
1 Type
Full Data Query
Common Invasive Species
Early Detection
Approaching Region
An Early Detection report shows species with 3 or fewer reported observations.
2 Criteria
Data Set
Data Set
All iMap Data
Users
Observer Name
All Available
Observer Name From Database
All Available
Geography
Geography Type
Conservation Lands
Geography Value
Lake Wales Ridge State Forest
Buffer Distance
Buffer Distance (in meters)
Species
Species Type
Animal
Insect
Plant
By Common Name
Select A Species
By Scientific Name
Select A Species
3 Results
View Table
View Report
View On Map
Download Data


iMapInvasives
geotracking invasive exotic species
Florida Administrator Tools
My iMapInvasives :: Custom Query
Welcome back, Gary (garknight)
Home
Log Out
1 Type
Full Data Query
Common Invasive Species
Early Detection
Approaching Region
An Approaching Region report shows where there are no reported observations of a species in a geographic region but there are reported observations for the species in adjacent regions.
2 Criteria
Data Set
Data Set
All iMap Data
Users
Observer Name
All Available
Observer Name From Database
All Available
Geography
Geography Type
Conservation Lands
Geography Value
Lake Wales Ridge State Forest
Buffer Distance
Buffer Distance (in meters)
Species
Species Type
Animal
Insect
Plant
By Common Name
Select A Species
By Scientific Name
Select A Species
3 Results
View Table
View Report
View On Map
Download Data

User Tools | iMapInvasives

imapinvasives.org/flimi/home/

iMapInvasives
geotracking invasive exotic species

Florida User Tools

Location: My iMapInvasives

Welcome back, Carolyn (carokindell)
Home | Log Out

My iMapInvasives | Resources | Invasives Management | System Management

Enter Data

- Observation
- Survey
- Treatment

View the Map

- View the Map

View Table

- All Observations
- Surveys
- Treatments

Query Observations

- **Custom Observation Query**
- View Report for All Data

My Personal Information

My Profile

- Edit My Profile
- Change my Password

E-Mail Alerts

- Manage my Alerts

My iMapInvasives Data

View My Data in a Table

- Select Data to View

Download My Observation Data

- Select Data to Download

Download Related Data (ESRI gdb)

- **Assessment Data**
  - Select Assessment Data to Download
- **Treatments**

Training Reviews

View Training Review for

- **YouTube Channel**
- **Observations**
  - Training Outline
- **How-To: Data Entry**
  - Observation
  - Assessment Step by Step
  - Assessment (Text version)
  - Survey
  - Treatment Step by Step
  - Treatment (Text version)
- Train the Trainer

Resources

*i*MapInvasives Resources

- **Facebook Page**
- *i*Map Frequently Asked Questions (FAQ)
- *i*MapInvasives Terminology
- Survey Types Descriptions

General Resources

- Invasive Plant Management Decision Analysis Tool - Narrative
- Invasive Plant Management Decision Analysis Tool - Form
- **External Links**
  - Various Site Links

Administrator Tools

Tools for Admins

- Geodatabase Template
- Redmine Ticket System
- ArcGIS 9.3 Bulk Data Checking Tool
- Bulk Upload Notes (DRAFT)

Forms and Documents

Reference – *i*MapInvasives Project

- Sharing Principles
- Data Sharing Agreement
- Trouble Shooting Tips
- *i*MapInvasives Terminology
- *i*MapInvasives Version History
- Why Firefox?
- *i*MapInvasives Projects Guide

Reference – Settings

- Steps to Go Live
- Functions run nightly
- Functionality by User Level
- Overview of Functionality by User Level
- State Specific Programming PDF

Observation Field Forms

- Observation
- Observation GPS Field Form
- Supplemental Waypoint Field Form

Assessment Field Forms

- Assessment - Aquatic Animal
- Assessment - Aquatic Plant (with observation)
- Assessment - Terrestrial Animal
- Assessment - Terrestrial Plant (with observation)
- Assessment - Insect

Survey Field Forms

- Survey - Aquatic Simple (Lacustrine)
- Survey - Aquatic Systematic
- Survey - Cerceris Wasp
- Survey - Host Tree
- Survey - Lake

Treatment Field Forms

- Treatment - Barrier
- Treatment - Bioagent
- Treatment - Chemical
- Treatment - Fire
- Treatment - Flame Weeding
- Treatment - Grazing
- Treatment - Mechanical / Manual
- Treatment - Shooting
- Treatment - Trapping

Advantages of *i*MapInvasives

- GIS foundation allows complex spatial analysis
- Many helpful on-demand reports already developed
- Easy to learn and use
- Ability to manage survey and treatment data
- No cost to partners
- Support provided by FNAI
- Tools are being continually improved based on user feedback

Prioritizing Invasive Exotic Plant Treatments

Invasive Plant Threats to Rare Plants in the First Coast CISMA

Total Rare Plant Occurrences	260
Total Invasive Occurrences	7,776
Rare Plant Occurrences (with 200m buffer) intersecting Invasive Occurrences	35
Invasive Occurrences intersecting Rare Plant Occurrences (with 200m buffer)	180
Total Intersections Rare Plant Occurrences (with 200m buffer) and Invasive Occurrences	262

Top Ten Rare Plants Threatened by Proximity (200 m) to Invasive Plants*

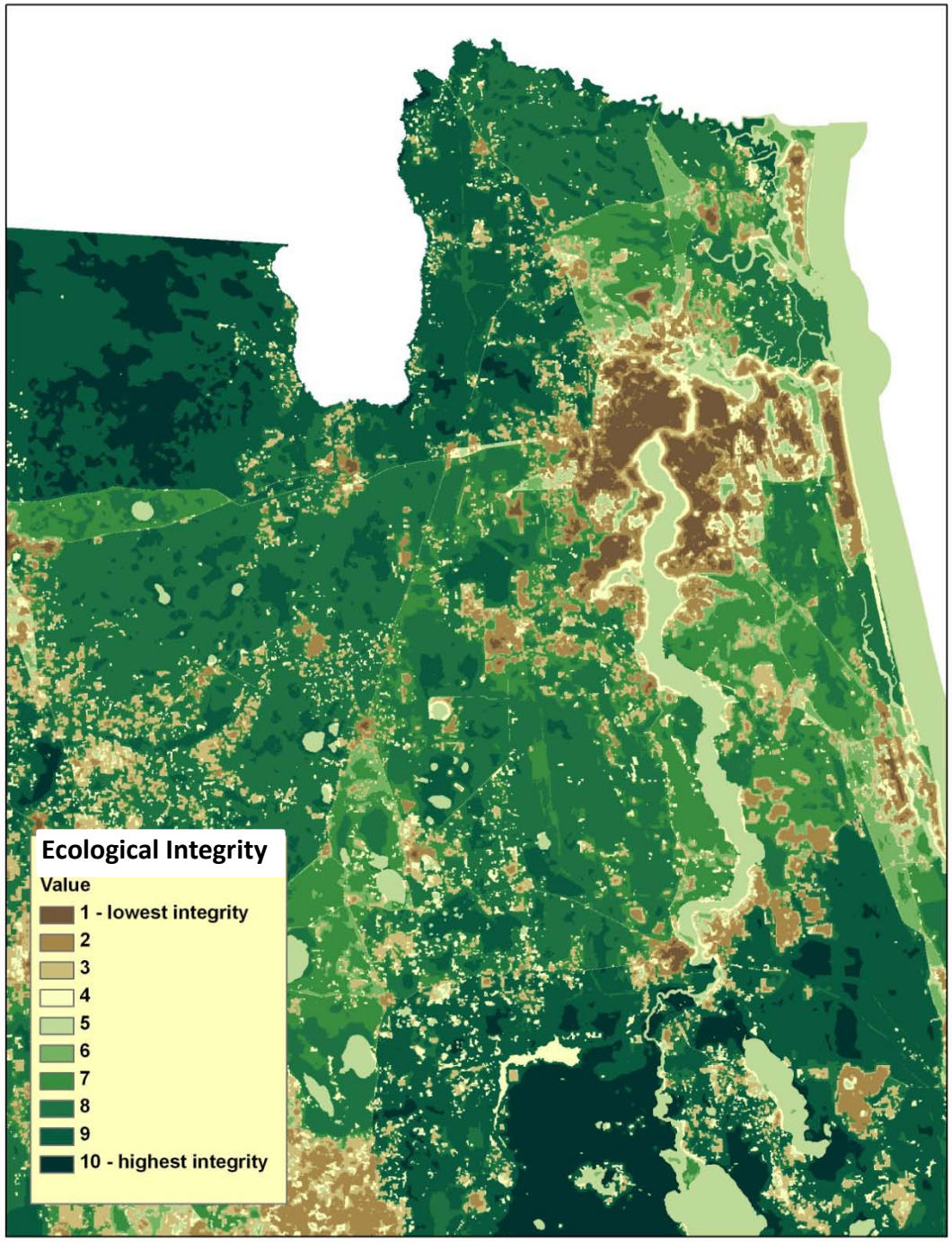
Rare Plant Scientific Name	Rare Plant Common Name	No. Occurrences Intersected
Hartwrightia floridana	Hartwrightia	66
Baptisia calycosa var. calycosa	Canby's Wild Indigo	43
Calydorea coelestina	Bartram's Ixia	41
Forestiera godfreyi	Godfrey's Swampprivet	19
Monotropsis reynoldsiae	Pygmy Pipes	15
Peperomia humilis	Terrestrial Peperomia	14
Ctenium floridanum	Florida Toothache Grass	10
Spiranthes polyantha	Green Ladies'-tresses	10
Balduina atropurpurea	Purple Honeycomb-head	9
Pteroglossaspis ecristata	Giant Orchid	6

*Data for First Coast CISMA boundaries

Top Ten Invasive Plants within 200 m of Rare Plant Occurrence*

Invasive Plant Scientific Name	Invasive Plant Common Name	No. Rare Plant Occurrences Intersected
Lygodium japonicum	Japanese climbing fern	41
Panicum repens	torpedo grass	37
Melia azedarach	Chinaberry	27
Albizia julibrissin	mimosa	24
Sapium sebiferum	Chinese tallow	22
Dioscorea bulbifera	air-potato	18
Cinnamomum camphora	camphor tree	14
Lantana camara	lantana	14
Colocasia esculenta	taro	8
Sesbania punicea	purple sesban	8

*Data for First Coast CISMA boundaries


Ecological Integrity
Value
1 - lowest integrity
2
3
4
5
6
7
8
9
10 - highest integrity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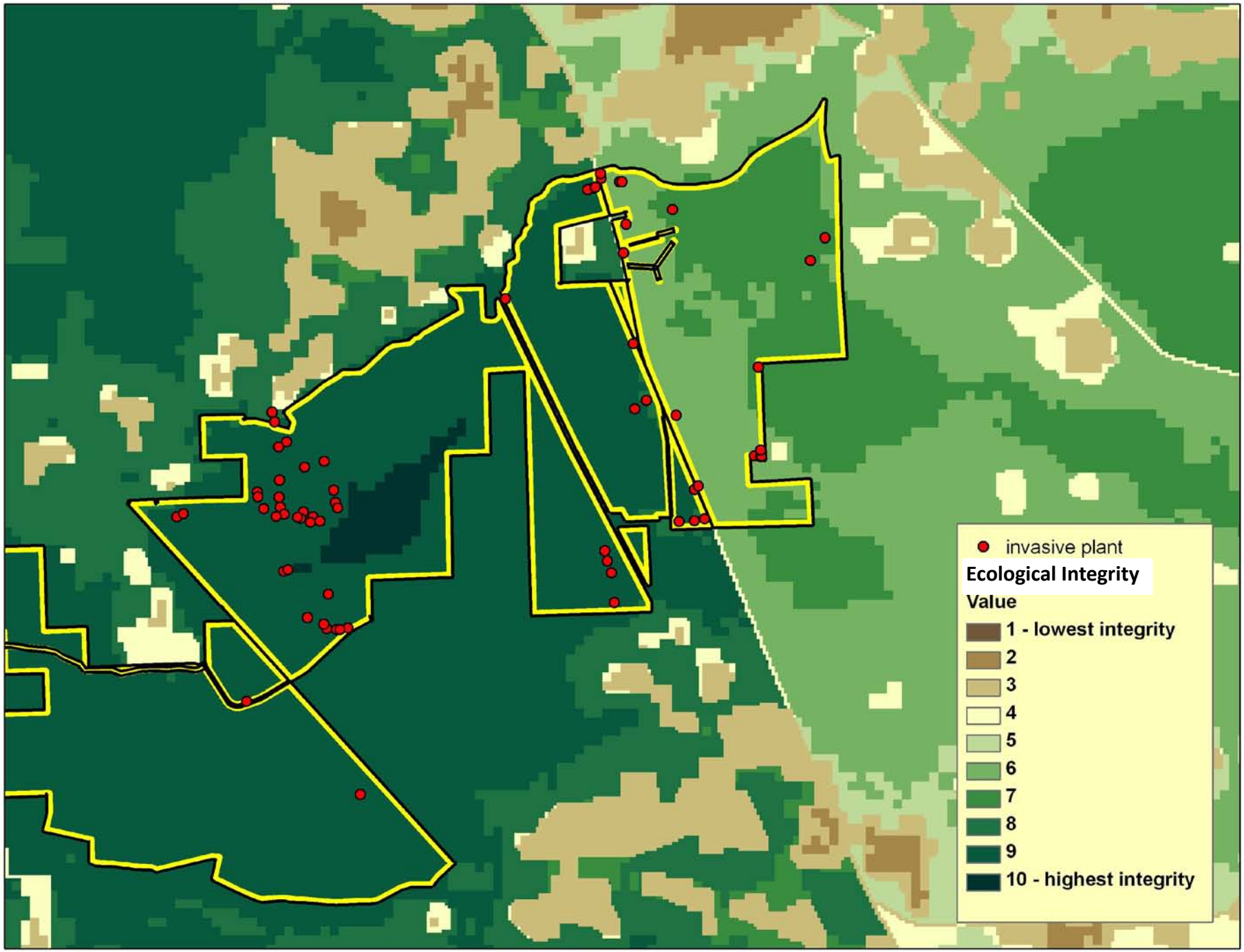
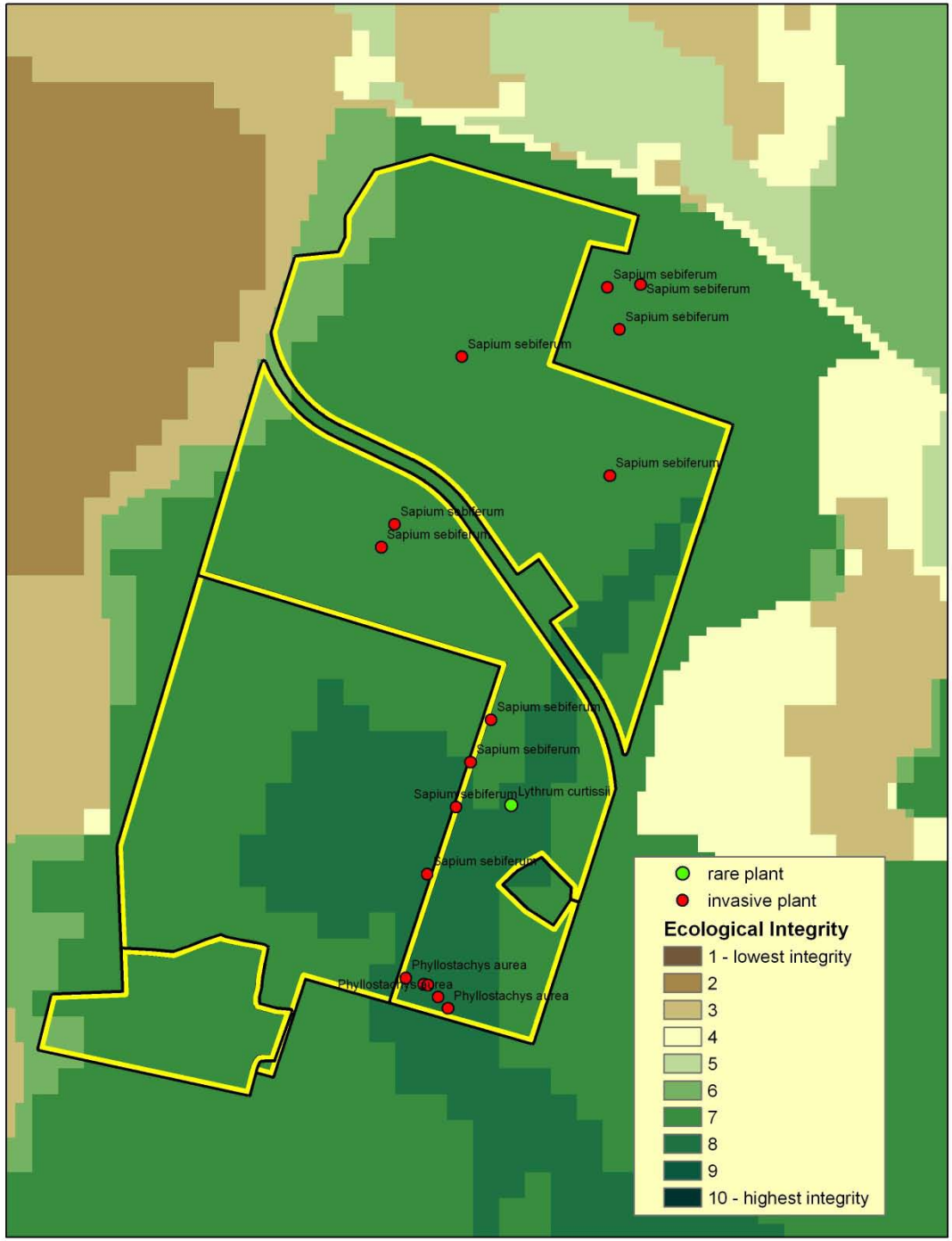

invasive plant
Ecological Integrity
Value
1 - lowest integrity
2
3
4
5
6
7
8
9
10 - highest integrity


Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Sapium sebiferum
Lythrum curtissii
Sapium sebiferum
Phyllostachys aurea
Phyllostachys aurea
Phyllostachys aurea
rare plant
invasive plant
Ecological Integrity
1 - lowest integrity
2
3
4
5
6
7
8
9
10 - highest integrity

Technical Assistance

Frank Price, FNAI Data Manager

fprice@fnai.org

850.224.8207 x 210