

Everglades Cooperative Invasive Species Management Area



EDDMapS/IveGot1, ECISMA website, Hotline Updates

Chuck Bargeron

The University of Georgia

Center for Invasive Species and Ecosystem Health



**UNIVERSITY OF
GEORGIA**

**Center for Invasive Species
and Ecosystem Health**



**UNIVERSITY OF
GEORGIA**

**Warnell School of Forestry
& Natural Resources**



**UNIVERSITY OF
GEORGIA**

**College of Agricultural &
Environmental Sciences**

Department of Entomology



**UNIVERSITY OF
GEORGIA**

**Center for Invasive Species
and Ecosystem Health**

The Center develops and utilizes partnerships and information technology to advance invasive species management, integrated pest management, and forest health.

We support efforts to detect pests, respond to new introductions, document changes and manage the health of our ecosystems. Solutions to these problems require collaborations that transcend traditional disciplinary, departmental, institutional and agency approaches, as well as state and national borders.

By providing ready access to relevant information and tools, we empower stakeholders to make cost-effective management decisions that minimize disruptions to non-target organisms in the ecosystem and effectively control pest organisms.

- Developing collaborations among university, state, regional, national and international governmental and non-governmental partners
- Integrating information, conducting applied research and developing programs
- Producing websites, smartphone applications, publications, videos, presentations, and other information technology tools
- Providing a clearinghouse for content and resources
- Conducting outreach and training to promote public awareness



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Center for Invasive Species
and Ecosystem Health

www.bugwood.org

Directors:

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Invasive Species

any species, including its seeds, eggs, spores, or other biological material capable of propagating that species, that is not native to that ecosystem; and whose introduction does or is likely to cause economic or environmental harm or harm to human health

[More about Invasives](#)

Our Programs

The Center develops and utilizes partnerships and information technology to advance invasive species management, integrated pest management, and forest health.

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Bugwood Wiki



Bugwood Apps



Invasive.org



EDDMapS Update – Overall

89,198 Web Reports

99,930 iOS Reports

46,563 Android Reports

4,835,209 total records

56,375 Registered Users – 20,138 Reporters

4,822 Species



EDDMapS Update – Last Year

24,934 Web Reports

15,549 iOS Reports

10,487 Android Reports

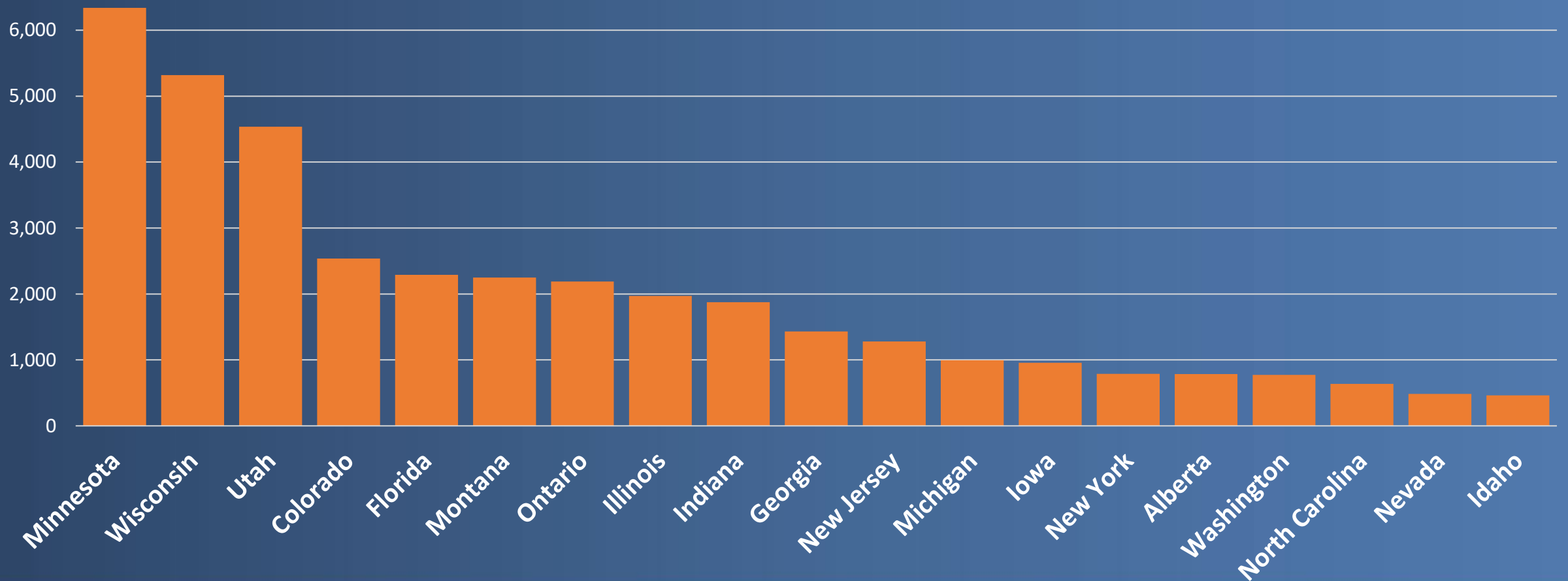
Average 138 reports a day **+25**

Most reports in a day: 2,444 on August 16, 2018

50,970 Reports from 4,690 reporters **+8,797 reports**



EDDMapS Reports by State Last Year – Web or Smartphone



IveGot1

Identify and Report
Invasive Animals and Plants
in Florida



Florida Department of Agriculture
and Forestry

EDD Maps
A Division of the Florida Department of
Agriculture and Forestry

UF
UNIVERSITY OF
FLORIDA
Invasive Species
Center



Are Educational Resources Available?

Yes, EDDMapS is developed and run by the Center for Invasive Species and Ecosystem Health that runs the Bugwood Image Database System and Bugwood Wiki. These resources provide over 50,000 images and over 1000 articles on invasive species.

EDDMapS Florida UPDATE

Statistics

318,433 County Reports
291,482 Point Reports
1,683 Species

Recent Reports in Florida

- ✓ Burmese python by Deborah Jansen in Collier County, Florida
- ✓ narrow swordfern by Brandon Haught in Volusia County, Florida
- ✓ smooth rattlebox by Hillary Cooley in Monroe County, Florida
- ✓ wetland nightshade by Jennifer Heller in Polk County, Florida
- by Hugh Holborn in St. Johns



Smartphone App

Educational Resources

- ✓ EDDMapS: Invasive Plant Mapping Handbook



EDDMapS Florida Statistics

Overall

Last Year

331,185 Reports

12,791 Reports (includes bulk data)

1,798 Species

481 Species

4,842 Reporters

1,197 Reporters +247

7,027 Web Reports

1,229 Web Reports +258

2,898 iPhone Reports

749 iPhone Reports +292

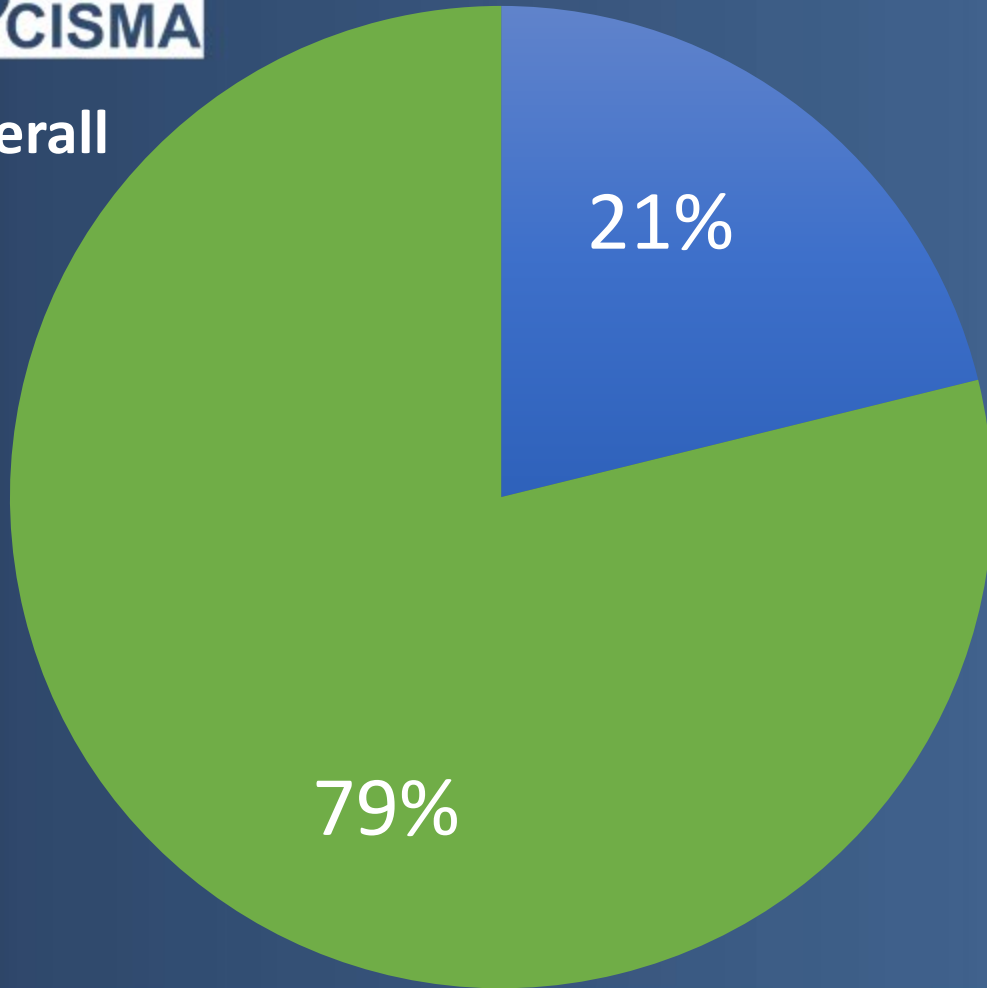
1,687 Android Reports

310 Android Reports +53

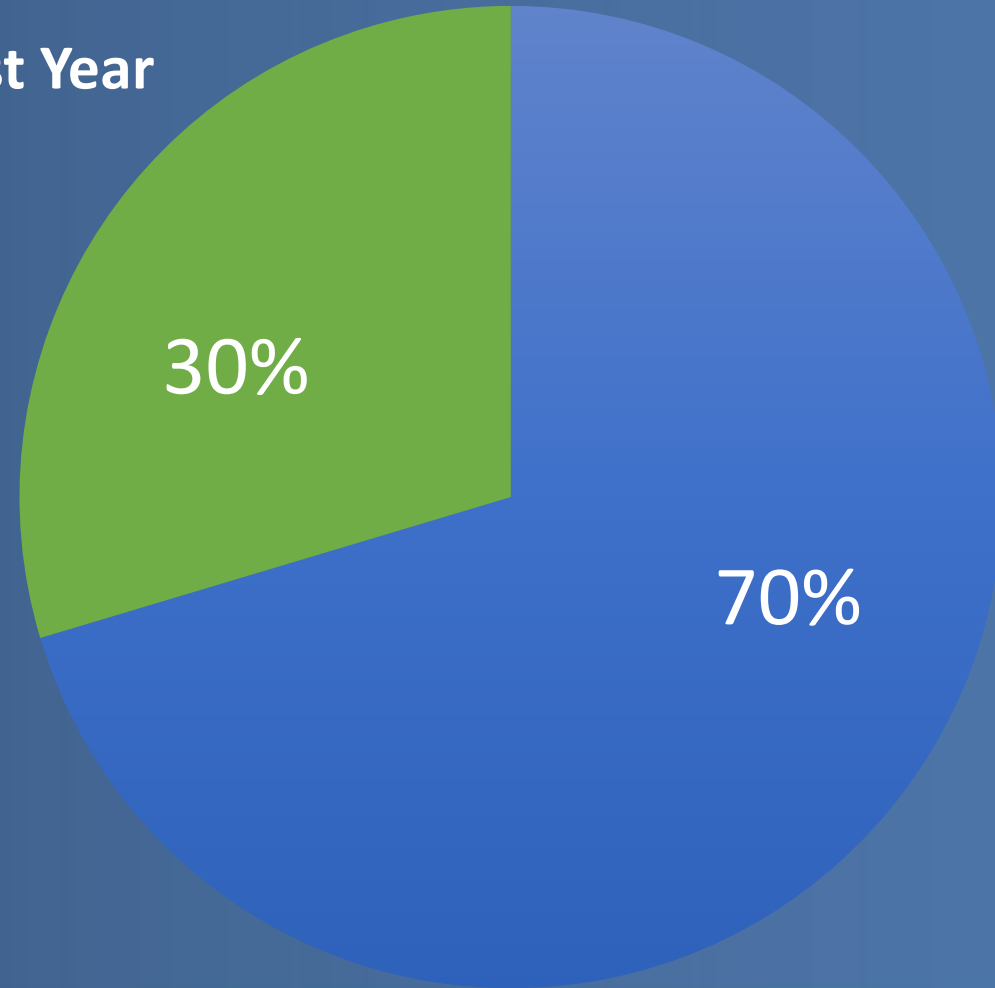


EDDMapS Florida Statistics

Overall



Last Year



- Animals
- Plants



Smartphone Apps Update



IveGot1 Statistics

iOS

41,519 downloads **+4,449 last year**

121,780 upgrades

Android

6,139 downloads **+944 last year**

9,797 updates



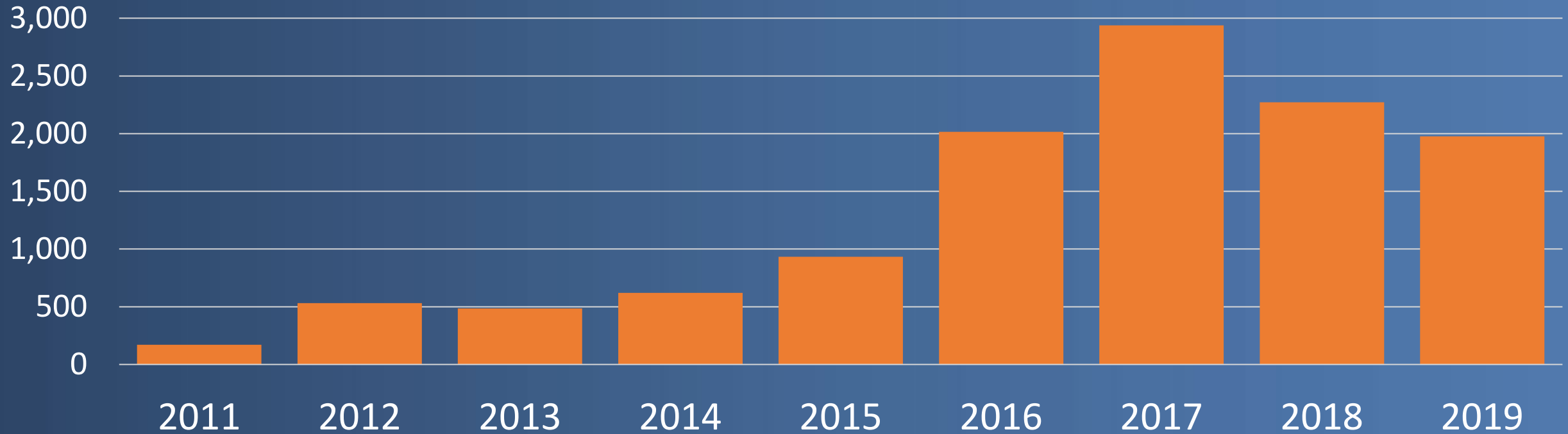
Nonnative Fish and Wildlife (EDRR)

FWC Exotic Species Hotline (1-888-Ive-Got-1)

Inherited by FWC in 2011

> 11,000 total calls

Total Number of Calls

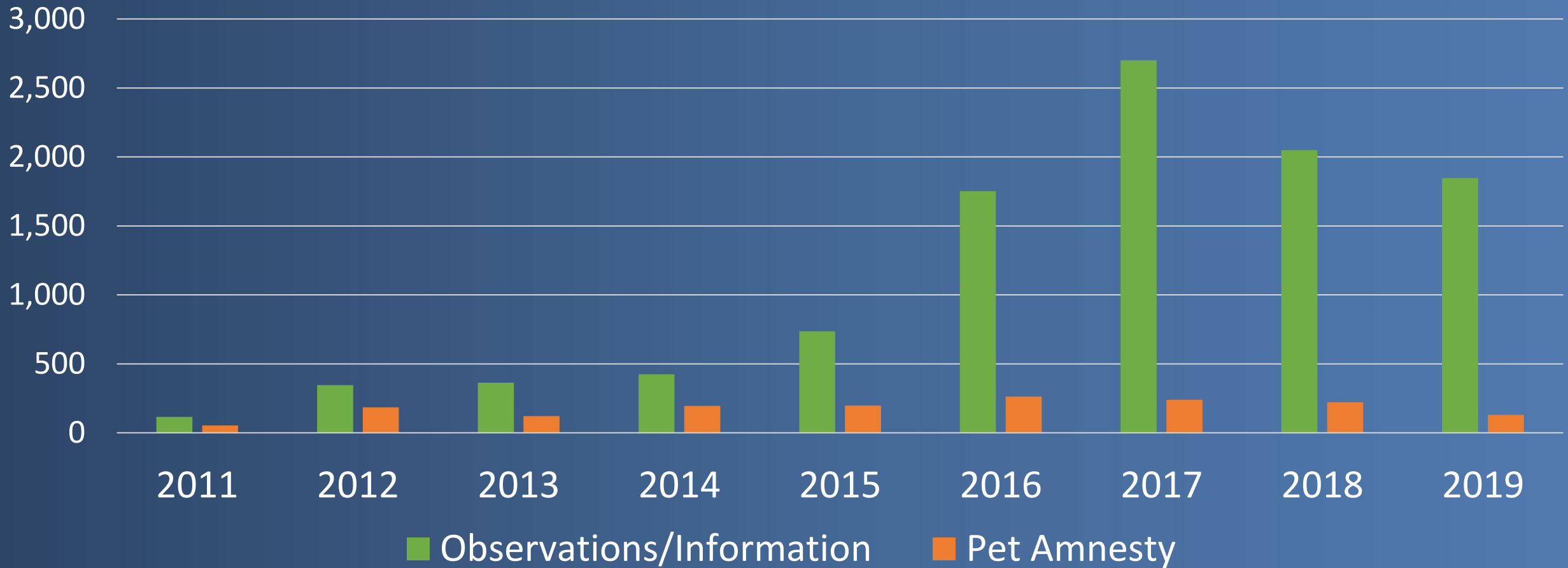




Nonnative Fish and Wildlife (EDRR)

FWC Exotic Species Hotline (1-888-Ive-Got-1)

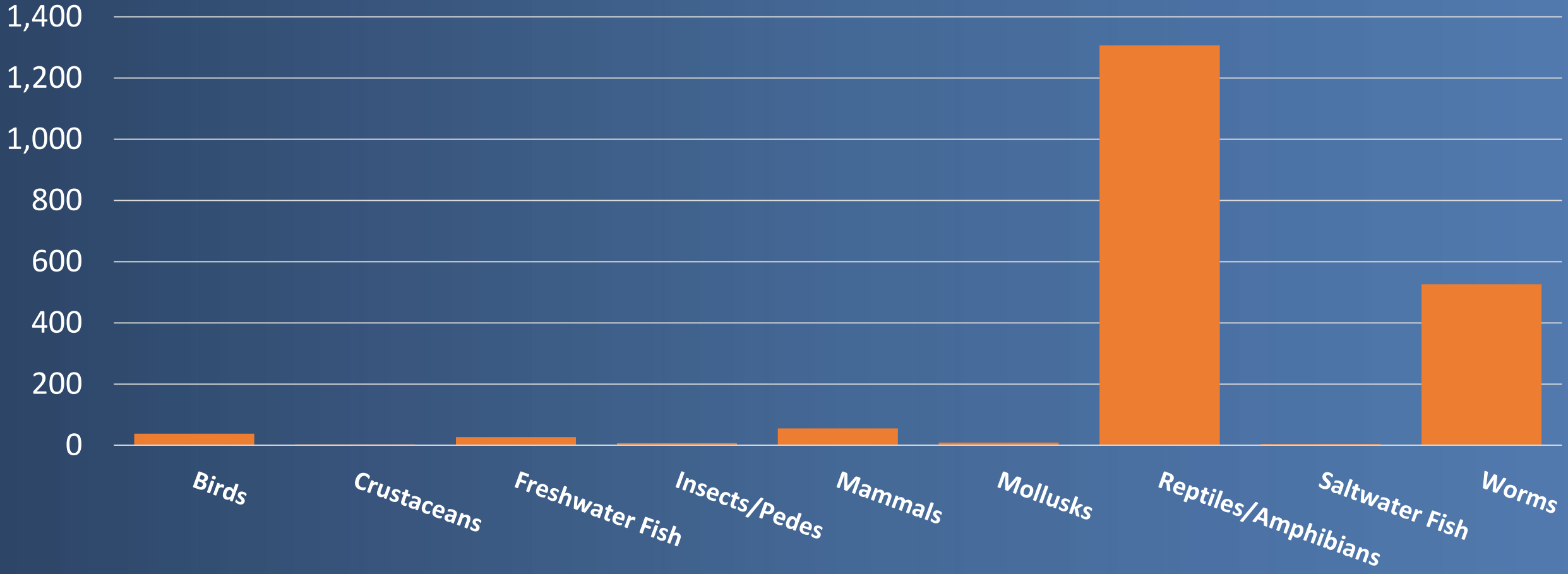
10,334 vs. 1609 calls





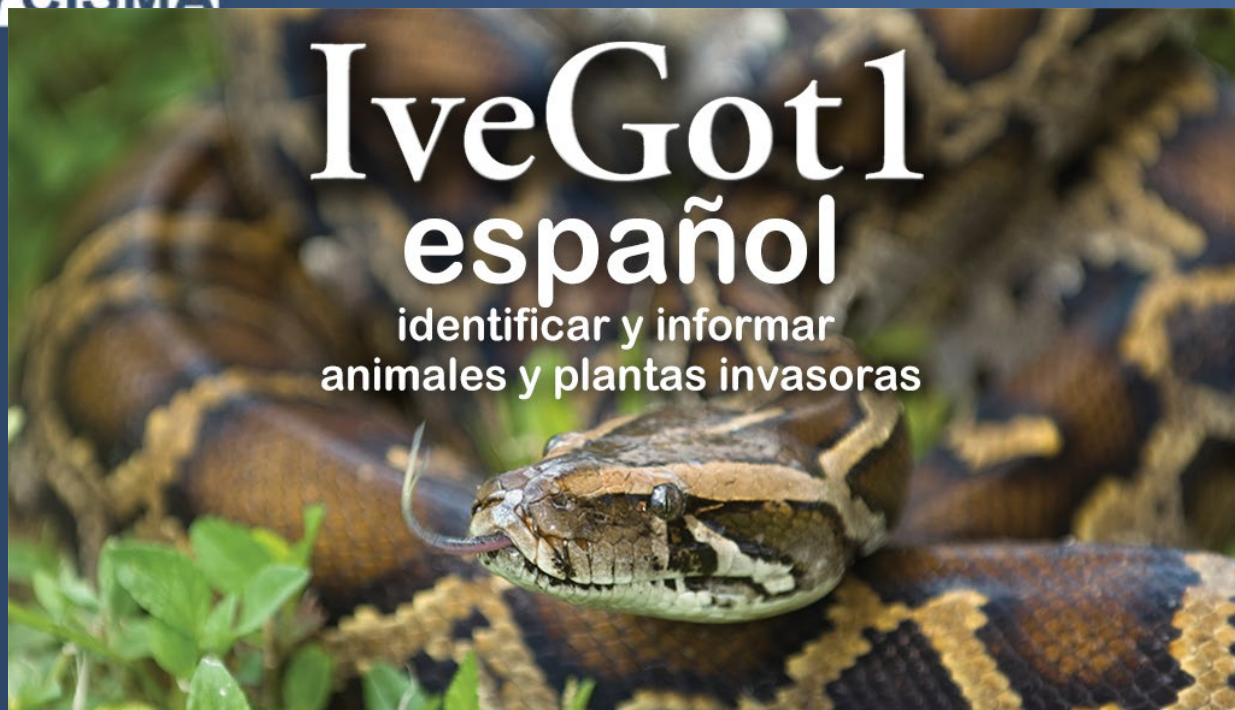
Nonnative Fish and Wildlife (EDRR)

[FWC Exotic Species Hotline \(1-888-Ive-Got-1\)](tel:1888464641)



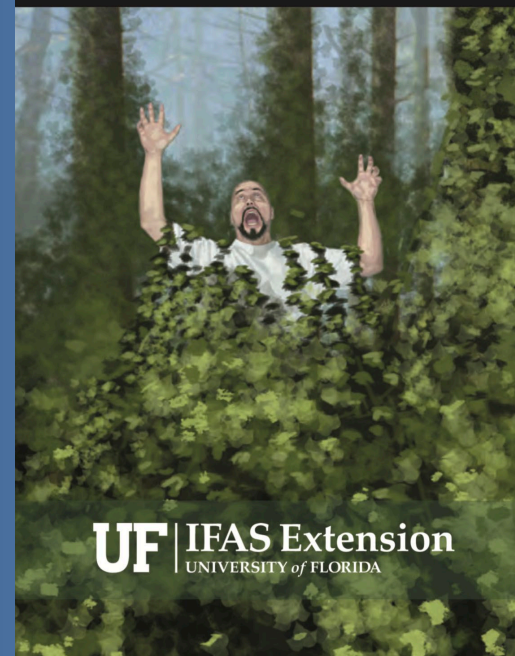


IveGot1 español – Now Available



TARJETAS PARA IDENTIFICACIÓN — SP 431
**Plantas Invasivas y No-nativas
que Usted Debe Conocer**

— JUEGO COMPLETO —



Translation by Ernesto Lasso de la Vega, Lee County
Hyacinth Control District



EDD **MapS** *Pro*





12:50

EDDMapS Pro

Zoom: 3
Google

- Take a photo
- Drop a marker
- Draw a polygon
- Use my location

4:28

NEW
Add a mapping
Touch to add a new mapping on this location



Positive



Treated



Negative



Eradicated

Japanese honeysuckle

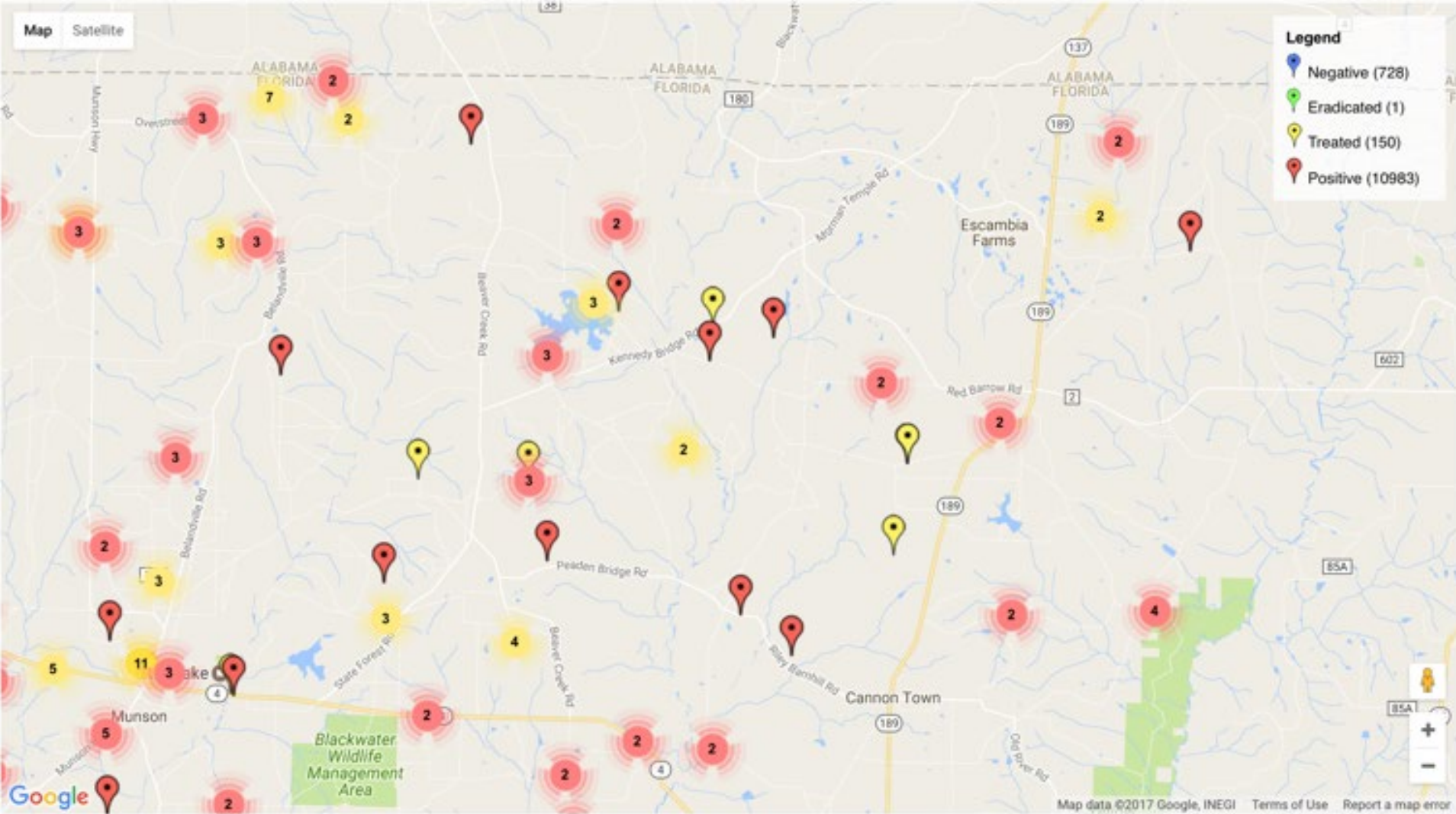
Lonicera japonica Thunb.

USDA PLANTS Symbol:LOJA
Invasive Plant Atlas
Species Information

States Counties **Points** List

CSV KML GPX Shapefile

Zoom to My Location Share Download Flag Fullscreen



SIIPA


OVER... Step 1 Step 2 Step 3 Step 4 Step 5 Step 6 Finished



Welcome to the Spatial Invasive Infestation and Priority Analysis (SIIPA) Tool in EDDMapS

SIIPA Tool Overview

The Spatial Invasive Infestation and Priority Analysis (SIIPA) tool's webmap version is designed to use data from the Early Detection Distribution and Mapping System (EDDMapS) and apply a prioritization framework to the data, with the goal of assisting property owners, land managers and project managers with designing a treatment plan for their invasive plant populations.

- Prioritization Basics
- The SIIPA Model
- SIIPA Model in EDDMapS
- Contact Us

 **Get Started**

EDDMapS
Early Detection & Distribution Mapping System

SPATIAL INVASIVE INFESTATION AND PRIORITY ANALYSIS

Vers. 1.2 RELEASED OCTOBER 2017

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Do not show this splash screen again.

OK

SIIPA

OVER... Step 1 Step 2 Step 3 Step 4 Step 5 Step 6 Finished

Select Your Weed Records

Directions

First: Zoom into your are of interest on the map. As you zoom in, you will begin to see all of the weed points.

Next: You can filter the data by applying any of the OPTIONAL filters:

- Common Name
- Scientific Name
- Weed Rank (Florida Exotic Pest Plant Council class 1 or class 2 weeds)
- Year
- State Name
- County Name

Finally: Select one of drawing tools in the tool bar and draw the polygon around your area of interest.

The model will automatically move you through the steps as you execute each function.

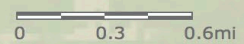
Common Name is

Input field for Common Name

Scientific Name is

Input field for Scientific Name

-81.349 29.913 Degrees





Everglades Cooperative Invasive Species Management Area

WORKING TO PROTECT THE EVERGLADES FROM INVASIVE SPECIES

HOME

HOW YOU CAN HELP

WHAT WE DO

THE DIRTY DOZEN

PUBLICATIONS & TOOLS

INFORMATION FOR PARTNERS



AUSTRALIAN PINE

Casuarina spp.



BRAZILIAN PEPPER

Schinus terebinthifolius



AIR POTATO

Dioscorea bulbifera

Have you spotted an invasive animal or plant in Florida? Please report all sightings to IveGot1!



☎ 1-888-IVE-GOT1

🌐 www.IveGot1.org

📱 iPhone app

🤖 Android app

WEBSITE UPDATE

South Florida is a hotspot for biological invasions.

Plants and animals from all over the world arrive in South Florida's ports every day. Some of these nonnative species escape from their cages, aquariums, or garden beds into the wild. Some are intentionally released. Some take well to the subtropical climate and rapidly increase and expand their populations. We call these species *invasive* when they hurt the environment, the economy, and/or human health. Hundreds of invasive species

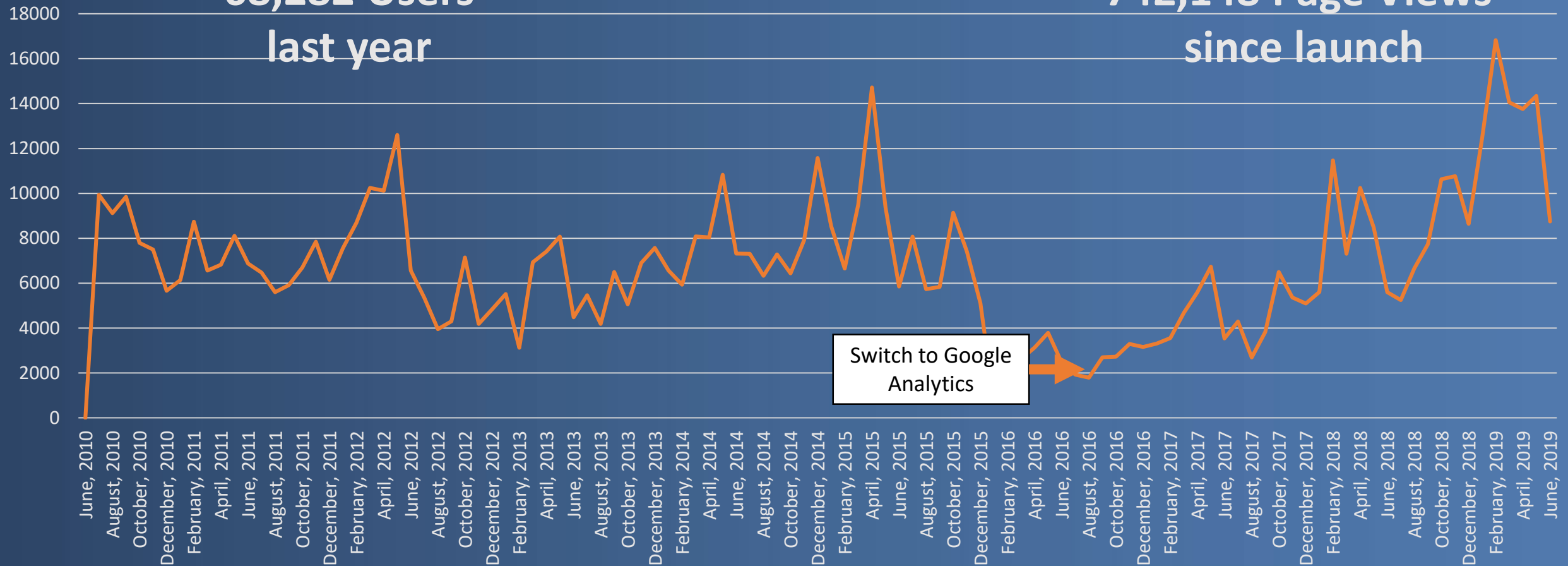


ECISMA - Web Traffic

68,282 Users
last year

Page Views

742,148 Page Views
since launch





Popular Pages (Last Year)

1. Tegu Lizards
2. Burmese Python
3. Species Pages
4. Chameleons
5. Cuban Treefrogs
6. Home Page
7. Nile Monitor
8. Dirty Dozen
9. Snakeheads
10. Australian Pine



Social Media

facebook.

717 likes
+160



670 Followers **+38**
745 Tweets



EDDMapS Planning Workshops

- Strategic Planning for the Further Development of EDDMapS in the Western United States
 - Hosted by Utah Department of Agriculture and Food
 - September 25-26, 2018
 - Salt Lake City, Utah
 - 19 attendees from 9 western states
- EDDMapS Florida Strategic Plan
 - Hosted by FWC with help from NPS at UF FLREC
 - May 22-23, 2019
 - Davie, Florida
 - 7 attendees plus 6 virtually



EDDMapS West Plan

Core EDDMapS West Functionality Needs

- ArcGIS Tab on the Website
- Dashboard/reporting system
- Smartphone Development
- Website and Data Issues

Priorities for Education and Outreach

- Annual Feature Updates
- Develop comprehensive education and outreach program for EDDMapS



EDDMapS Florida

- **Verification**
 - Documentation of how it works
 - Multi-level verification
 - Verifier training?
- **Obscuring coordinates for traps or certain species/tier access**
- **Tracking responses to wildlife reports in EDDMapS**
- **Change animal maps from treated to Observation, Roadkill, Captured**
- **iNaturalist data pulled more often**
- **Dashboard**
- **Gamification? – Funding for major refresh?**



EDDMapS Roadmap

EDDMapS One website and app - field guide and reporting for casual reporters

EDDMapS Pro app – professional reporting

IveGot1 – citizen reporting (**nationally?**)

Wild Spotter – location-based citizen reporting

EDD MapS

find · map · track





Acknowledgements & Questions

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