

Education & Outreach Subcommittee

Steve Johnson, UF

Larry Perez, NPS



Pest Alerts



500 bilingual copies produced and circulated in support of North African Python rapid response effort.

Artwork used to create 10 poster displayed at areas near the population.

Same template can be used to quickly create pest alerts for emerging species of concern.

Florida Invaders



To date, over 500,000 copies of the south Florida edition have been circulated in the ECISMA footprint.

Thanks to translation support from both UF and the USFWS, and funding from the USFWS, 30,000 Spanish-language copies were produced in 2009.

Field Identification Cards



An identified need to help familiarize field personnel with current and potentially problematic species

Designs were developed by the NPS, and content reviewed by the USGS, USFWS, & FWC

To date over 1,000 copies of field decks have now been produced thanks to funding from the SFWMD & the NPS

Outreach & Education Programs



Nonnative Pet Amnesty Day,
FWC

EEL Workdays, Miami-Dade
County

Research Center Tours, USDA

December Media Event, USACOE

VIP Orientation Tours, Various

Lectures, seminars & programs,
Various



Don't Let It Loose Billboards



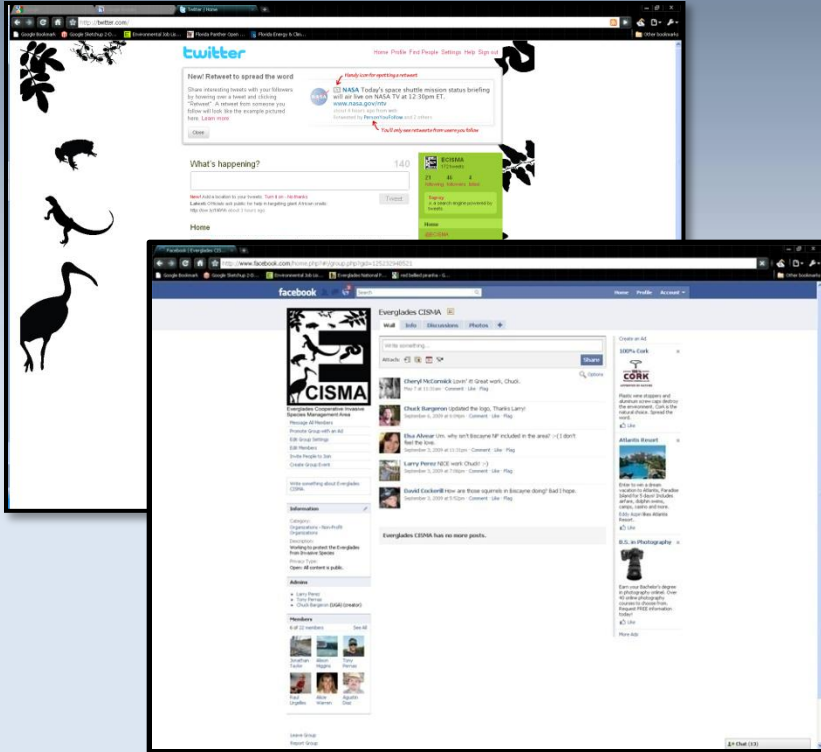
USACOE spearheaded an agreement with the FOAA in the development and launch of a state-wide billboard campaign.

A network of large-format, small-format and digital billboards are rotated according to space & availability.

Estimated views for billboards ranges between 19,900 & 35,000 per day.

Approx. 12,775,000 people will be exposed to DLIL through 2010!

Twitter & Facebook



Thanks to support from the UGA, ECISMA has maintained a presence on these two popular social networking sites for the past year.

64 Followers, 210 tweets & over 1,300 total clicks

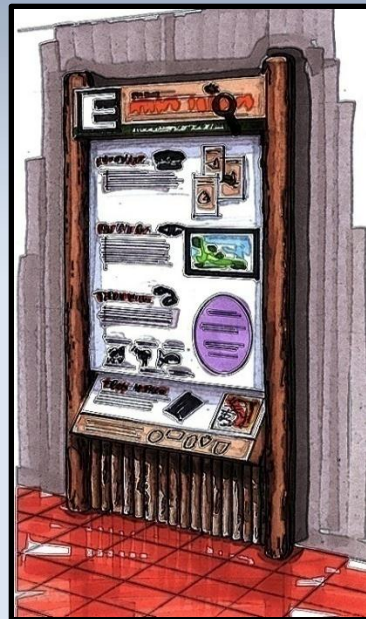
The networks have served a dual purpose, as they have provided fresh content for CISMA websites.

ECISMA Visitor Center Exhibits

ECISMA has contracted the fabrication of two permanent invasive species exhibits to be installed at two visitor facilities in Miami-Dade County

Fall launch events are planned at the Deering Estate at Cutler and the Crandon Nature & Visitor Center

Combined annual visitation at these facilities is over 82,000 individuals— mostly locals.



iPhone App



ECISMA partners at UGA are working on adapting artwork from our new field identification cards into a free iPhone app.

REDDY

Introduced Reptile
Early Detection
& Documentation



Presented by:
Dr. Steve A. Johnson &
Monica E. McGarrity
University of Florida

Created by:



Funding provided
In part by:



“Powered” by:



1-888-IVE-GOT1



REDDy Training Format

- SAFETY First / Introduction to Observing
- SCAN Possible Habitats
- SPOT Non-native Reptiles & Collect Data
- SUBMIT a Detailed Report (Hotline vs. EDDMapS)
 - WHO
 - WHAT
 - WHEN
 - WHERE



REDDy Sneak Preview...

HOW TO NAVIGATE HELP/FAQ SUPPLEMENTS

UF UNIVERSITY of FLORIDA
IFAS Extension

Looking for Lizards



Nile Monitor Lizard - showing bands of spots.

articulate
POWERED PRESENTATIONS


00:00 / 01:33 / 01:33 PLAYING

HOW TO NAVIGATE HELP/FAQ SUPPLEMENTS

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5 of 14 - CORRECT -

Do you see the invader? Click on it (or where you think it is) and then click 'Submit'...



Quiz Review Retry Quiz < PREVIOUS NEXT >

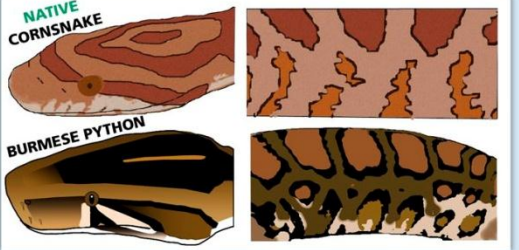
articulate
POWERED PRESENTATIONS

00:00 / 00:00 / 00:00 PLAYING

HOW TO NAVIGATE HELP/FAQ SUPPLEMENTS

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Native Snakes to Know



Native Cornsnake vs. Introduced Burmese Python - notice the dramatic differences in head markings.

articulate
POWERED PRESENTATIONS

00:00 / 00:00 / 00:00 PLAYING

HOW TO NAVIGATE HELP/FAQ SUPPLEMENTS

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Question 11 of 15

15. Final Quiz (Interactive)

00:00

If you spot this reptile, should you collect data and submit a report?
(click on the image to view it larger, and then click the dot by your response)

Yes, immediately!
 No, it is a native species



Score so far: 120 points out of 150

articulate
POWERED PRESENTATIONS

00:00 / 00:00 / 00:00 PLAYING

REDDy Responders...

1-888-IVE-GOT1
www.IveGot1.org

CERTIFICATE OF TRAINING

This certifies that:

Completed online training in:

REDDy
Introduced Reptile
Early Detection
& Documentation



On:

And is Hereby Awarded this Certificate of Completion
of the "REDDy" Training Course Provided By:



This project was
made possible in
part by grants from:



EDDMapS
Early Detection & Distribution Mapping System

DEVELOPED BY:



THE UNIVERSITY OF GEORGIA
**CENTER FOR INVASIVE SPECIES
AND
ECOSYSTEM HEALTH**
WARNELL SCHOOL OF FORESTRY AND NATURAL RESOURCES
COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

IN COLLABORATION WITH:



The Nature Conservancy
Protecting nature. Preserving life.™



Additional Resources

REPORT IMMEDIATELY!
Nile Monitor



Tegus



Burmese Python



African Python



Reticulated Python



Ball Python



Green Anaconda



Yellow Anaconda



Boa Constrictor



Make Observations
Become a reptile observer:
Get certified - <http://eces.ifas.ufl.edu>

Look for:
Lizards -
> 12", smooth scales, spots or bands
Snakes -
Large, shiny scales, bold markings

Collect Data
Who - your name and contact info

What - lizard/snake, live/dead, body color, head & body markings, color of markings, body position, behavior, size

When - date, time, weather conditions

Where - GPS coordinates or measured distance to known address or road intersection

Call it In
Standing over the animal, live or dead?

Call it in immediately!

1-888-IVE-GOT1

Report Online
All sightings should be reported online the same day - even if reported by phone!
www.IveGot1.org

Date: _____ Time: _____ AM or PM (Circle one)

Current Weather Conditions (Circle One): CLEAR PARTLY CLOUDY CLOUDY RAINING

Observer Name: _____

Observer Contact Info: Phone (____) _____ Email _____

Address: _____

Sighting Type (Circle one): LIVE or DEAD / ROAD-KILLED

Animal Type (Circle one): LIZARD or SNAKE

Photos Taken? (Circle one): YES or NO Upload Date: _____

Animal Description:

Size: _____ FEET or METERS (Circle unit) MEASURED or ESTIMATE (Circle)

Coloration: _____

Markings on body: _____

Markings on head: _____

Animal Body Position (e.g., coiled): _____

Animal Behavior (e.g., swimming): _____

Animal Location (be specific -- street address or distance to nearest intersection of named roads): _____

GPS Coordinates (Try Google): _____°N _____°W

Habitat Description (e.g., canal bank, open road edge, vegetated road edge, flatwoods): _____

IF ANIMAL IN SIGHT, REPORT IT NOW BY PHONE! IMMEDIATELY CALL 1-888-NOT WAIT! IF THE ANIMAL HAS ESCAPED, REPORT IT ONLINE AT THE END OF SIGHTINGS SHOULD BE REPORTED ONLINE AT WWW.IVEGOT1.ORG. EVEN THAT WERE REPORTED BY PHONE - UPLOAD PHOTOS WITH REPORTS!

Webpage:
<http://ufwildlife.ifas.ufl.edu/reddy.shtml>

- Printable resources
- Information links
- YouTube videos
- Reporting links


NATIVE SNAKE QUICK REFERENCE GUIDE
(Species Similar to Invasive Snakes of Concern)

SN NAME	HEAD MARKINGS	BODY PATTERN	CHARACTERISTICS
LARGE NATIVE SNAKES			
Carolin Indigo Snake <small>Common throughout Florida</small>			Can grow to 8 ft. Head: reddish marks on chin Body: iridescent blue-black with no markings.
Eastern Diamond-backed Rattlesnake <small>Occasionally Encountered Throughout Florida</small> VENOMOUS			Can grow to 6-8 ft. Head: dark eyes with cream borders, vertical pupil Body: dark diamonds with cream borders
AQUATIC NATIVE SNAKES			
Cottonmouth Water Moccasin <small>Common throughout Florida</small> VENOMOUS			Usually 2-4 ft. Head: dark eyes with vertical pupil Body: blotched bands, older individuals may be solid black
Brown Watersnake <small>Common throughout Florida</small>			Usually 2-4 ft. Head: top unmarked, yellow Body: spots on chin Body: orange dark blotches in a "checker board" pattern
OTHER BLOTCHED NATIVE SNAKES			
Cornsnake or Red Ratsnake <small>Common throughout Florida</small>			Usually 2-3 ft. Head: reddish unmarked Body: reddish blotches with dark outlines, checkerboard pattern on belly


Handout produced by M.E. McGarity & S.A. Johnson (University of Florida/IFAS), in collaboration with the National Park Service. Illustrations by M. McGarity & S.A. Johnson. This project was made possible in part by a grant from the South Florida National Parks Trust and the Ferns Greenery Family Foundation and by the USDA, NRSA.

FLORIDA INVADER:
African Python


Report sightings:
www.IveGot1.org



The African Python head is marked with a dark arrowhead, facing toward the snout, with a light line down the center. There are dark and light wedge-shaped marks under each eye.



The African Python body is tan to gray, with irregular, dark brown spots down the back and sides. Spots on the back usually connect; spots on the sides may be "C" shaped.



You can tell the difference between "Dead-on-road" (DOR) Burmese (top) and African (bottom) pythons specimens by the belly pattern — African Pythons have completely checked bellies.

The African Python (*Python sebae*) is native to sub-Saharan Africa, and has been introduced in a small area of Florida on the outskirts of Miami. Recent evidence suggests that this species may be established and breeding in Florida. This is a large, nocturnal predator that may grow to more than 20 feet long and kills its prey by constriction. In Florida, prey taken by African Pythons is probably similar to that eaten by Burmese Pythons, and could include native mammals, birds, and reptiles. Several threatened and endangered species could be at risk, particularly wading birds such as the Wood Stork. African Pythons inhabit marshy lowlands, drier uplands, and urban canals. Females can breed at three to five years of age, and lay up to 100 eggs (usually 1-4 dozen). Lifespan is 15-30 years. There are reports of African Python attacks on humans in their native range; this is a potentially aggressive, dangerous species.

UF FLORIDA
IFAS Extension

This project was made possible in part by a grant from the South Florida National Parks Trust and the Ferns Greenery Family Foundation, and by the USDA, NRSA. Photos/illustrations by: CINDY ANTONIO MCGARTY (C.P.), ROBERT BOND (C/SGS), LORI OBERHAUSER (NPS).

REDDy Training Hosted by...

http://eces.ifas.ufl.edu

The screenshot shows the ECES website interface. At the top, it says "University of Florida IFAS Extension" and "Solutions for Your Life". Below that is a banner for "Extension Continuing Education Solutions" with a photo of two men. A navigation bar includes "Home", "Topics", and "Help".

Login Form:

If you have an ECES or GatorLink account, log in here:

Username:

Password:

[First Time User Register](#)

[Forgot Username or Password?](#)

Instruction

Welcome to ECES, the Extension Continuing Education Solutions. We offer the following courses:

Online Training Courses - IFAS Extension eLearning Topics

Limited Time Offer!! All for-sale items reduced by 50% (applied at checkout).

Food Packaging

Machinery operation, maintenance, troubleshooting, and safety issues for the food packaging issue.

Wildlife Ecology & Conservation

Wildlife Ecology and Conservation courses focus on conservation and management of Florida's native wildlife (and their habitats) and management of non-native wildlife.

COMING SOON!
(In pre-release testing...)

1. Log in (UF) or register



2. View courses under Wildlife Ecology topic (scroll down)

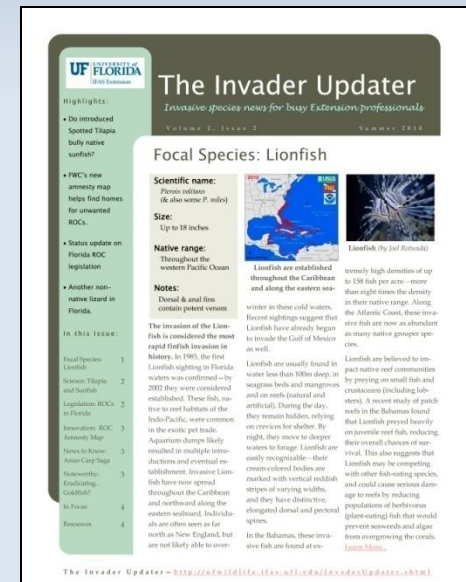
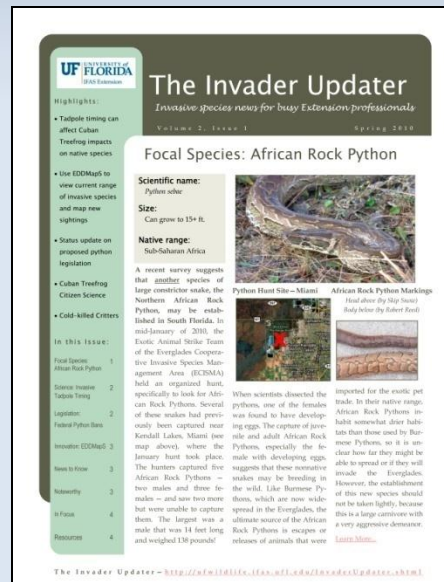


3. Select REDDy course (3 parts)

- Training module
- Quiz
- Feedback survey

Invader Updater


- Quarterly eNewsletter (and webpage) providing information for extension professionals on invasive vertebrate wildlife in the southeastern U.S. and beyond:
 - Important Dates
 - Focal Species
 - Science
 - News to Know
 - Legislation
 - Innovation
 - Noteworthy
 - Resources



<http://ufwildlife.ifas.ufl.edu/InvaderUpdater.shtml>

Email monicaem@ufl.edu to be added to the list...

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Department of Wildlife Ecology & Conservation

[GO](#)

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▶ **Dr. Steve A. Johnson**

▶ **Extension**

REDDy Training

Reptile Observer Training

The Invader Updater

Dealing with Snakes

Florida's Frogs -- NEW!

Invasive Cuban Treefrog

Become a Citizen Scientist!

Florida's Introduced Birds

Educator Resources

Kids' Corner

Fact Sheets by Dr. J

▶ **Teaching**

Wildlife Ecology & Mgmt.

Wetland Wildlife Ecology

Natural Resource Sampling

Natural Resource Comm.

Wildlife Invasions

Wildlife of Florida

Conservation of Herps

Herp Invasion Ecology

▶ **Research**

Sniff'N'Stop Frog Deterrent

HopStop Euthanasia Spray


The Invader Updater - Focal Species

[BACK TO INVADER UPDATER HOME](#)

This page provides links to information about the focal species covered in the Invader Updater. If you would like to suggest a focal species, email monicaem@ufl.edu.

LIONFISH - Summer 2010


- USGS Nonindigenous Aquatic Species: Lionfish factsheet (in English)
- NOAA lionfish information (including information on treatment of stings)
- Lionfish distribution map (direct link)
- **Report a lionfish sighting online (or any other non-native aquatic species)**
- P.J. Schofield. 2009. Geographic extent and chronology of the invasion of non-native lionfish (*Pterois volitans* [Linnaeus 1758] and *P. miles* [Bennett 1828]) in the Western North Atlantic and Caribbean Sea. *Aquatic Invasions* 4(3): 473-479.
- Guide to Nonindigenous Marine Fishes of Florida



AFRICAN ROCK PYTHON (*Python sebae*) - Spring 2010

[Photo: Skip Snow, National Parks Service, www.bugwood.org]

- *Python sebae* - Animal Diversity Web profile
- ECISMA African Rock Python sightings map
- ECISMA African Rock Python Pest Alert Flier (pdf)
- ECISMA Python Hunt Photos



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