



NAS Database program updates

Matt Neilson

Nonindigenous Aquatic Species Program

Gainesville, FL

Program updates

- Staffing changes
- Mobile reporting app
- New point map interface



New Species Occurrences

Matt Neilson

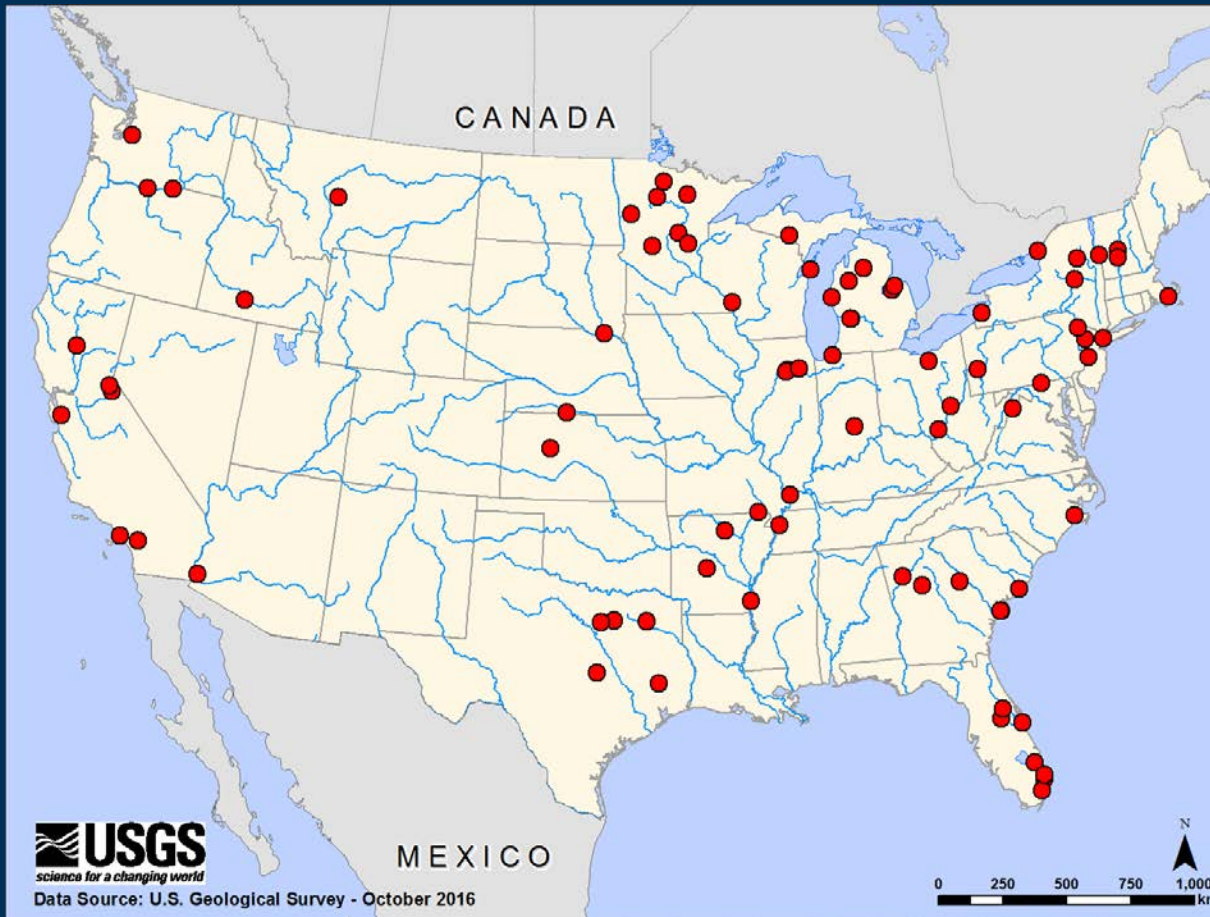
Nonindigenous Aquatic Species Program

Gainesville, FL

NAS Alerts

- Alerts are generated when
 - Species is new to one or more geographic levels
 - Country
 - State
 - Drainage (HUC8)
 - County
 - Observed within the last 6 months

Since April 2016 (81)



LEVELS

4 new to US
14 new to state
47 new to drainage
15 new to county
0 bonus alert

GROUPS

29 fish
22 mollusks
15 plants

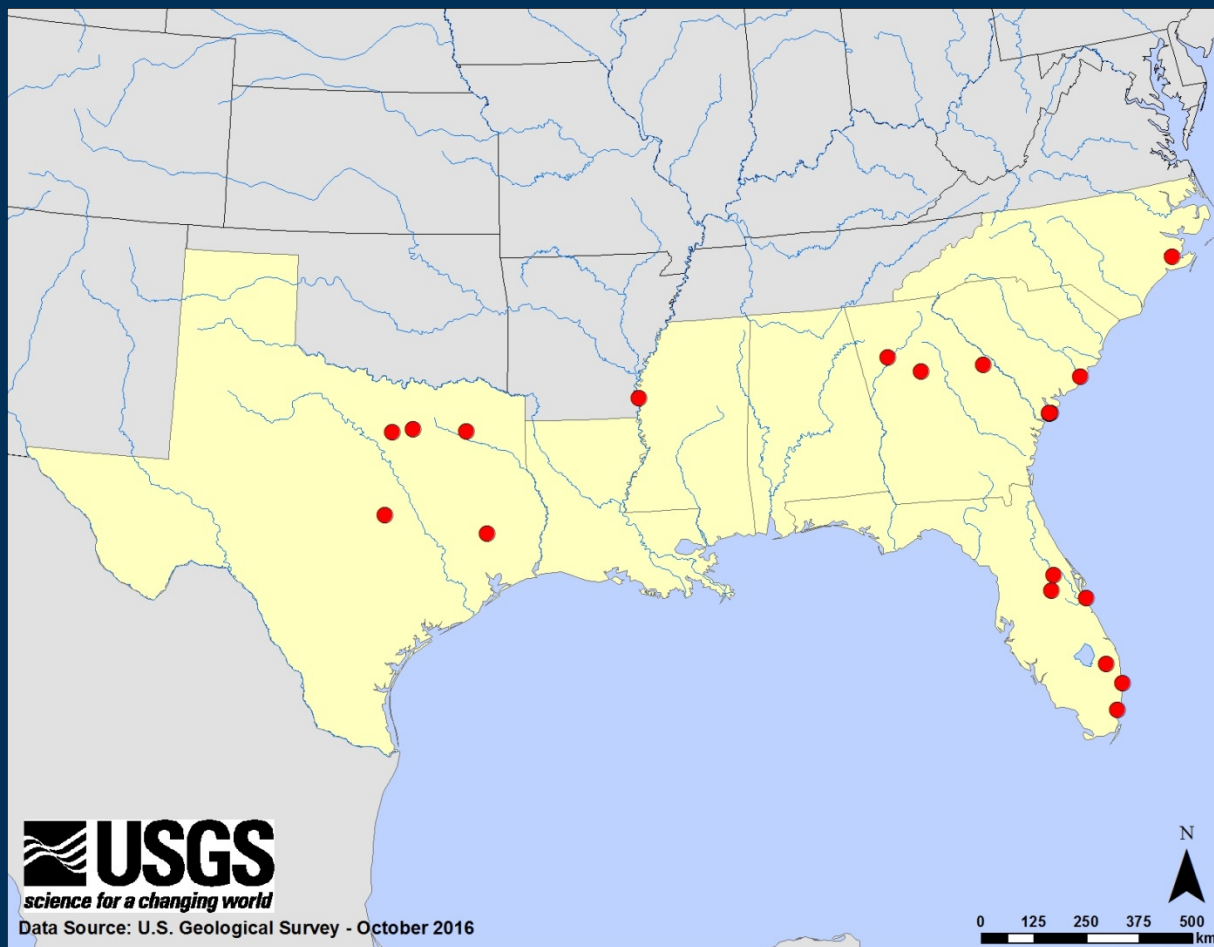
STATES

7 CA, MI
6 FL
5 MN, NY, TX

SPECIES

10 carp (0 BH, 2 SC, 5 GC,
3 BC)
8 Zebra Mussel
5 *Corbicula*
5 starry stonewort

Since April 2016 (21)



LEVELS

5 new to US
3 new to state
11 new to drainage
2 new to county
0 bonus alert

GROUPS

9 fish
8 mollusks
2 plants
2 frogs

STATES

6 Florida
5 Texas
4 South Carolina
3 GA
1 (MS, NC)

blotched foxface



Siganus unimaculatus

Fishes

Exotic

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 [Fact Sheet](#)

 [Animated Map](#)



pennant coralfish

Heniochus acuminatus

Fishes

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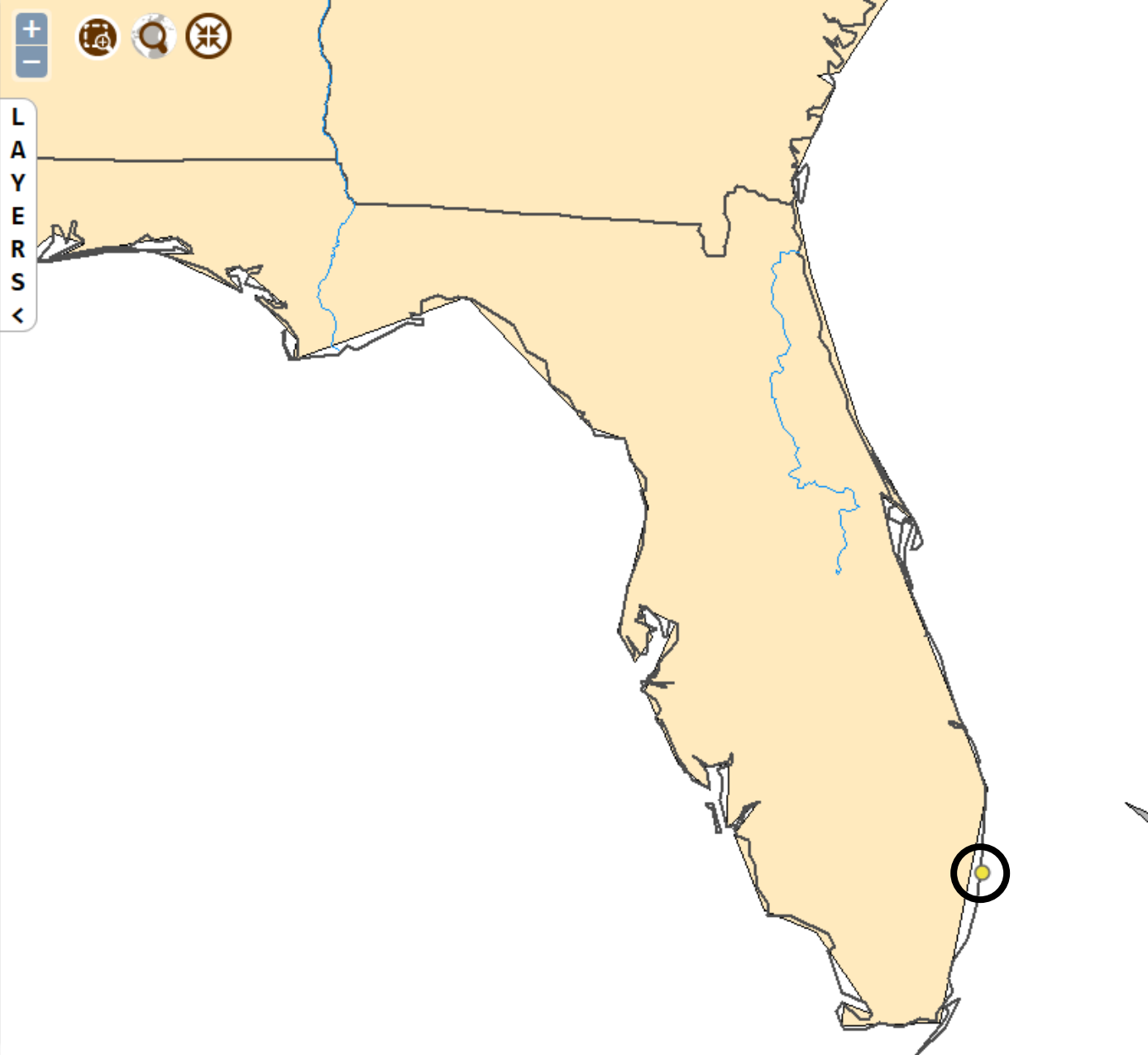
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► Species Observations

► Reference Layers

► Background



blue mbuna

Labeotropheus fuelleborni

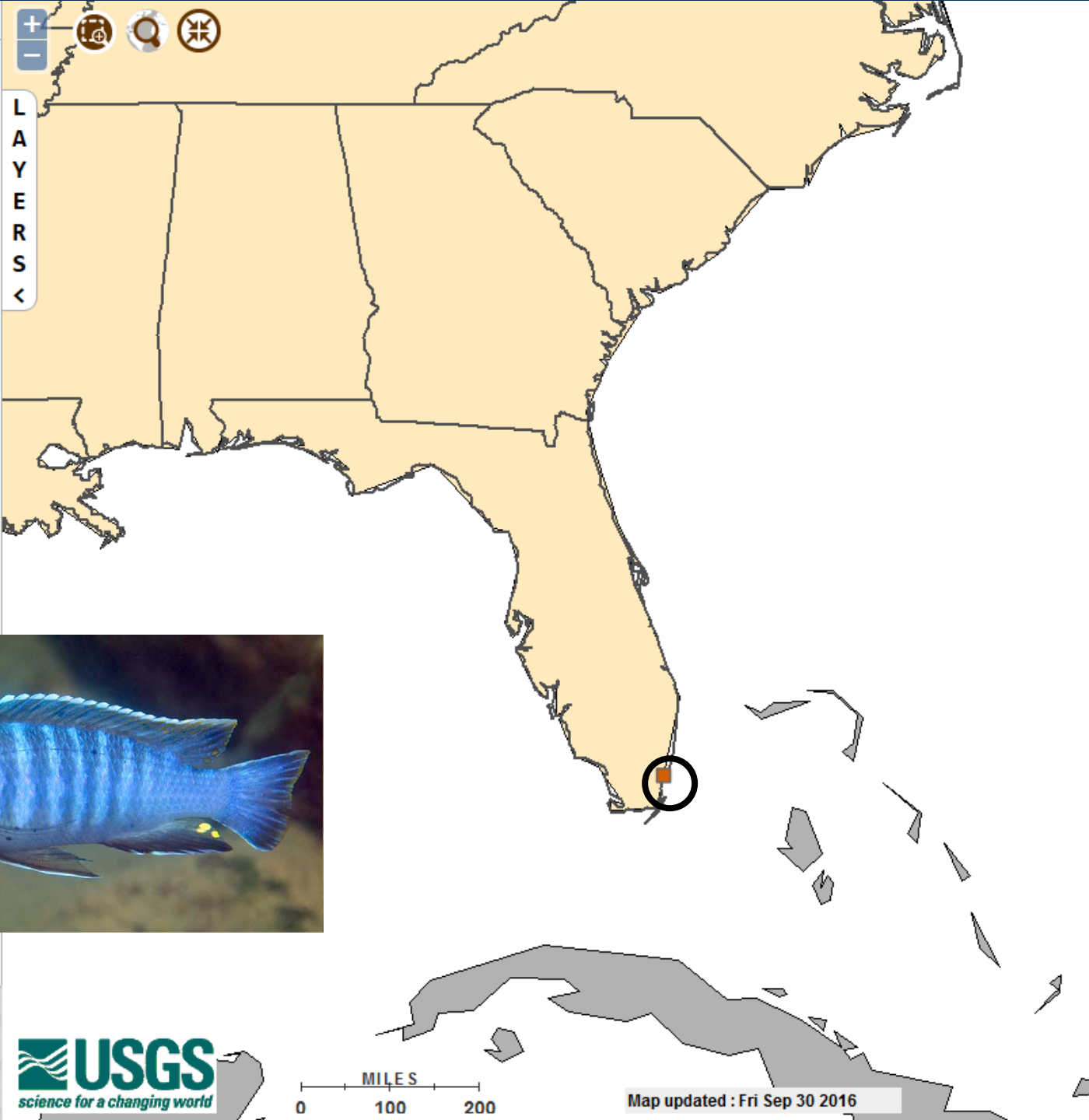
Fishes

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Species Observations

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blackbelt cichlid

Paraneetroplus maculicauda

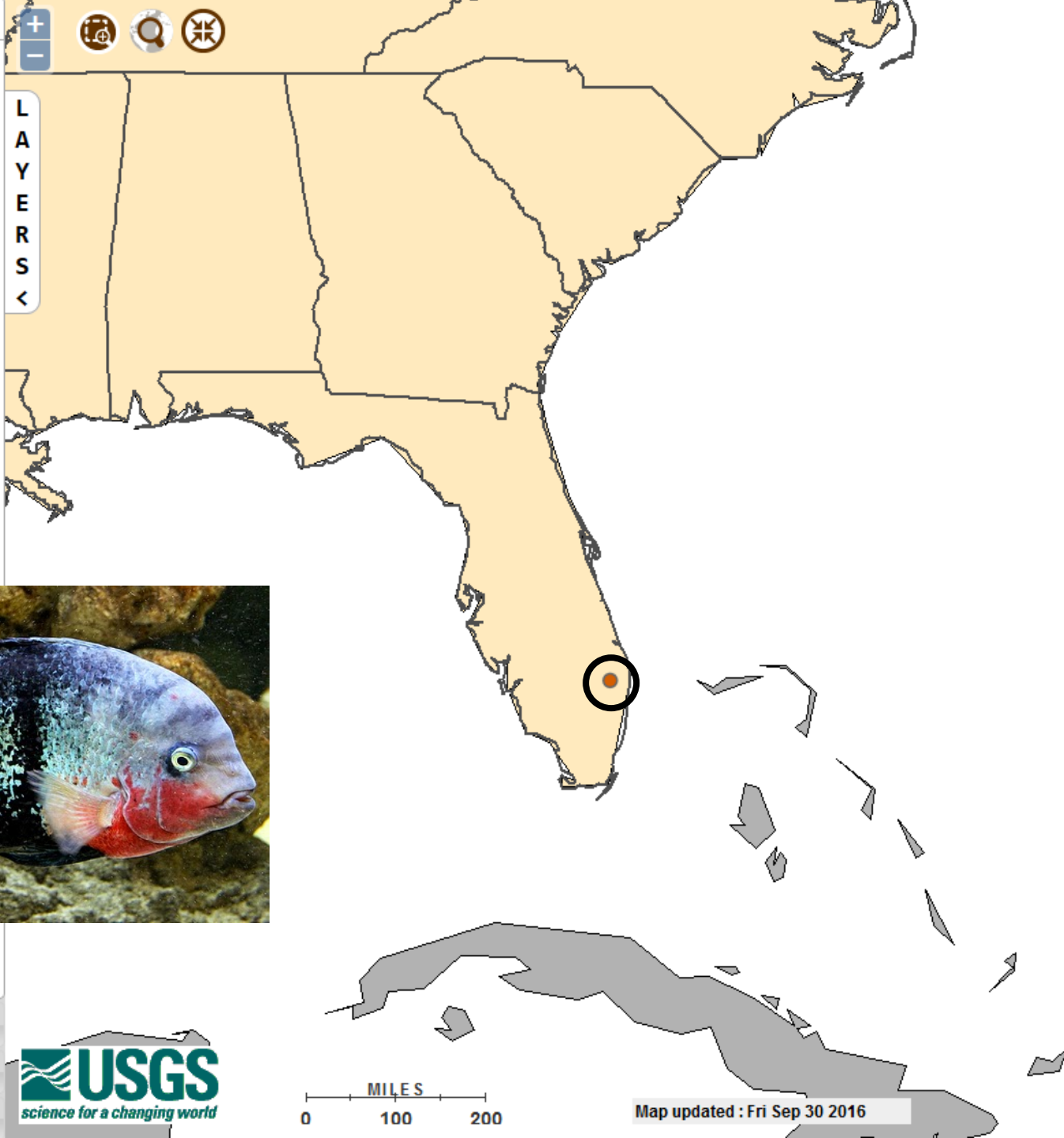
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Black Carp



Mylopharyngodon piceus

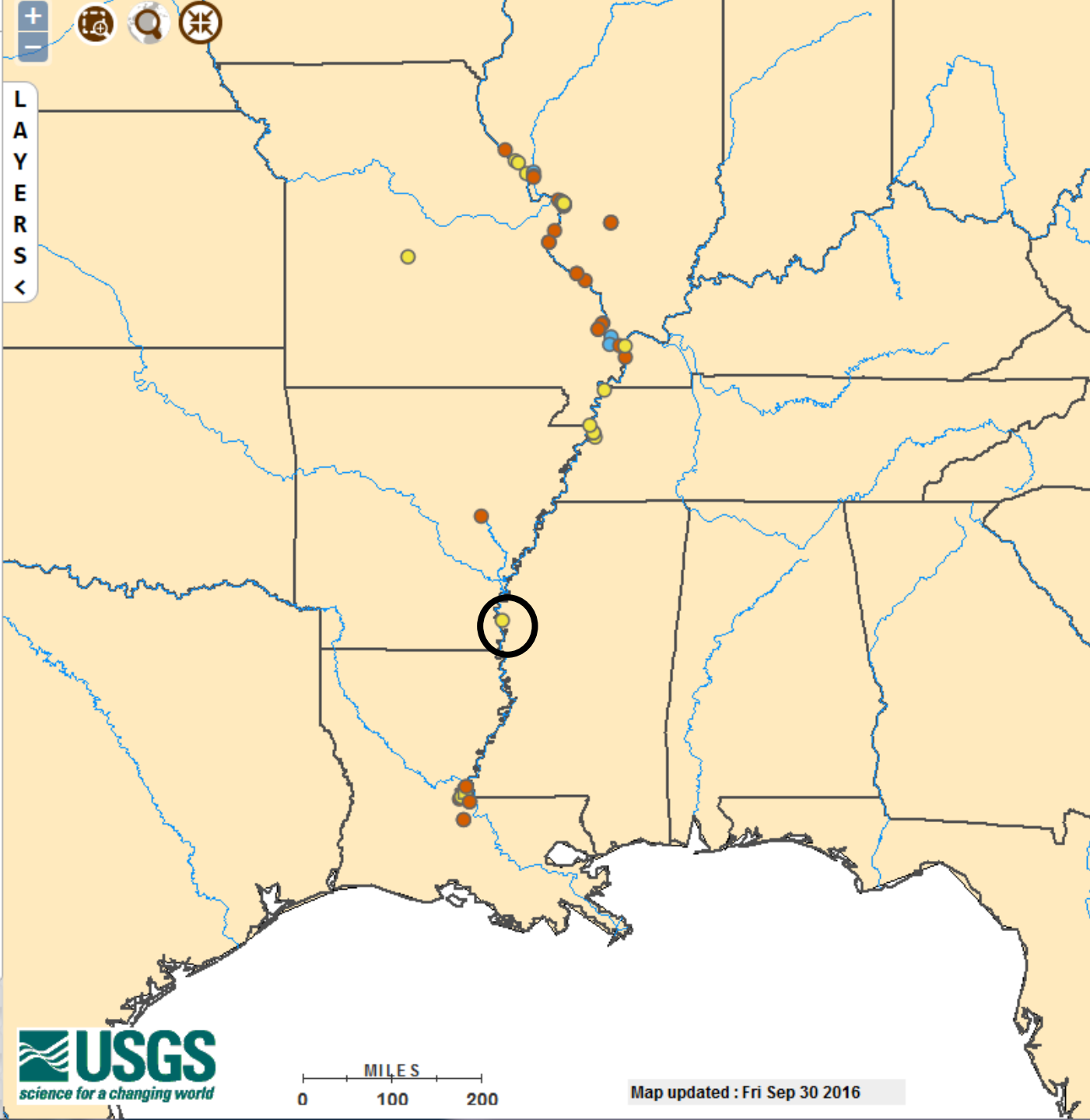
Fishes

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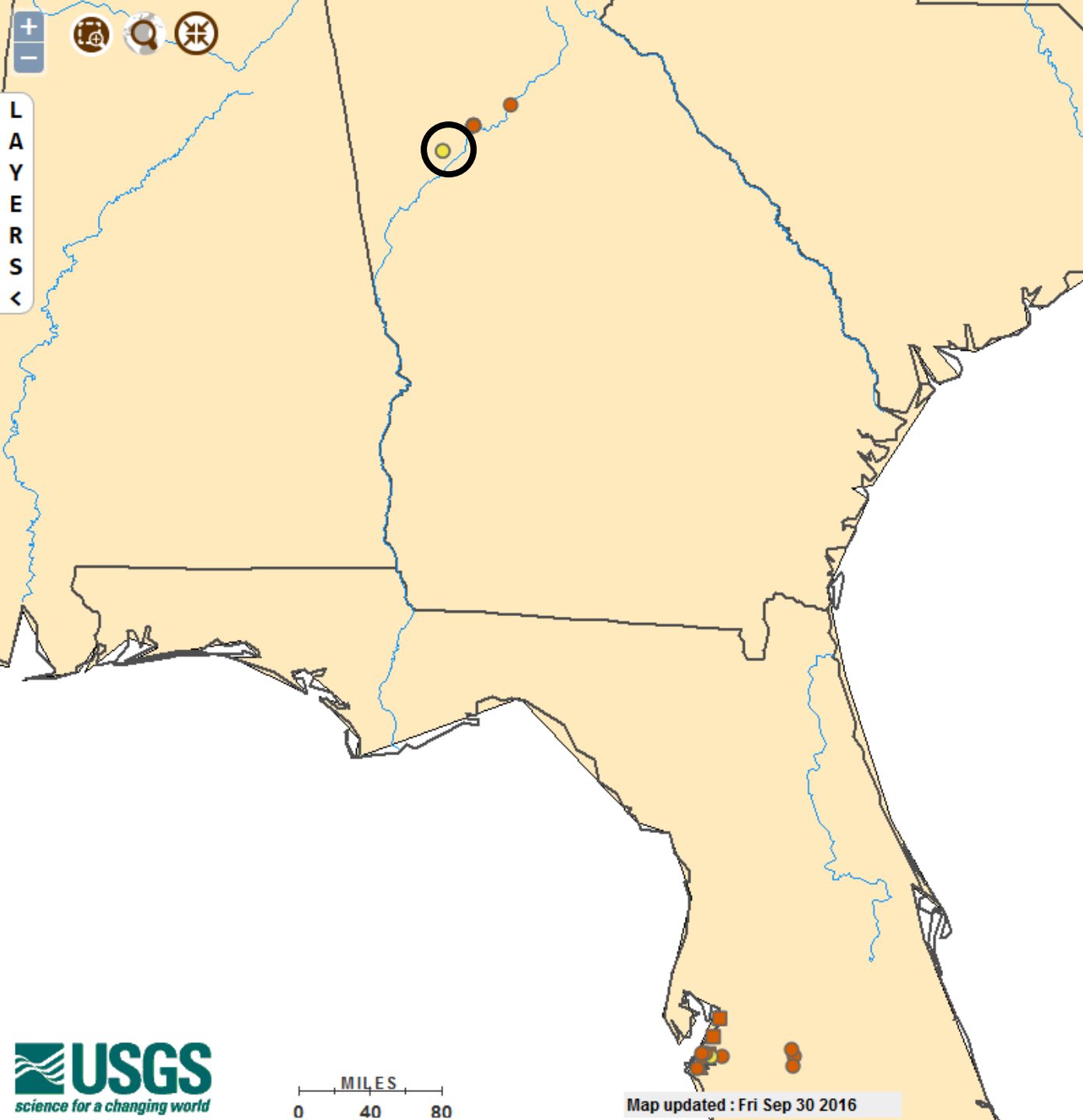
Asian Swamp Eel



Monopterus albus

Fishes
Exotic

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Species Observations

Reference Layers


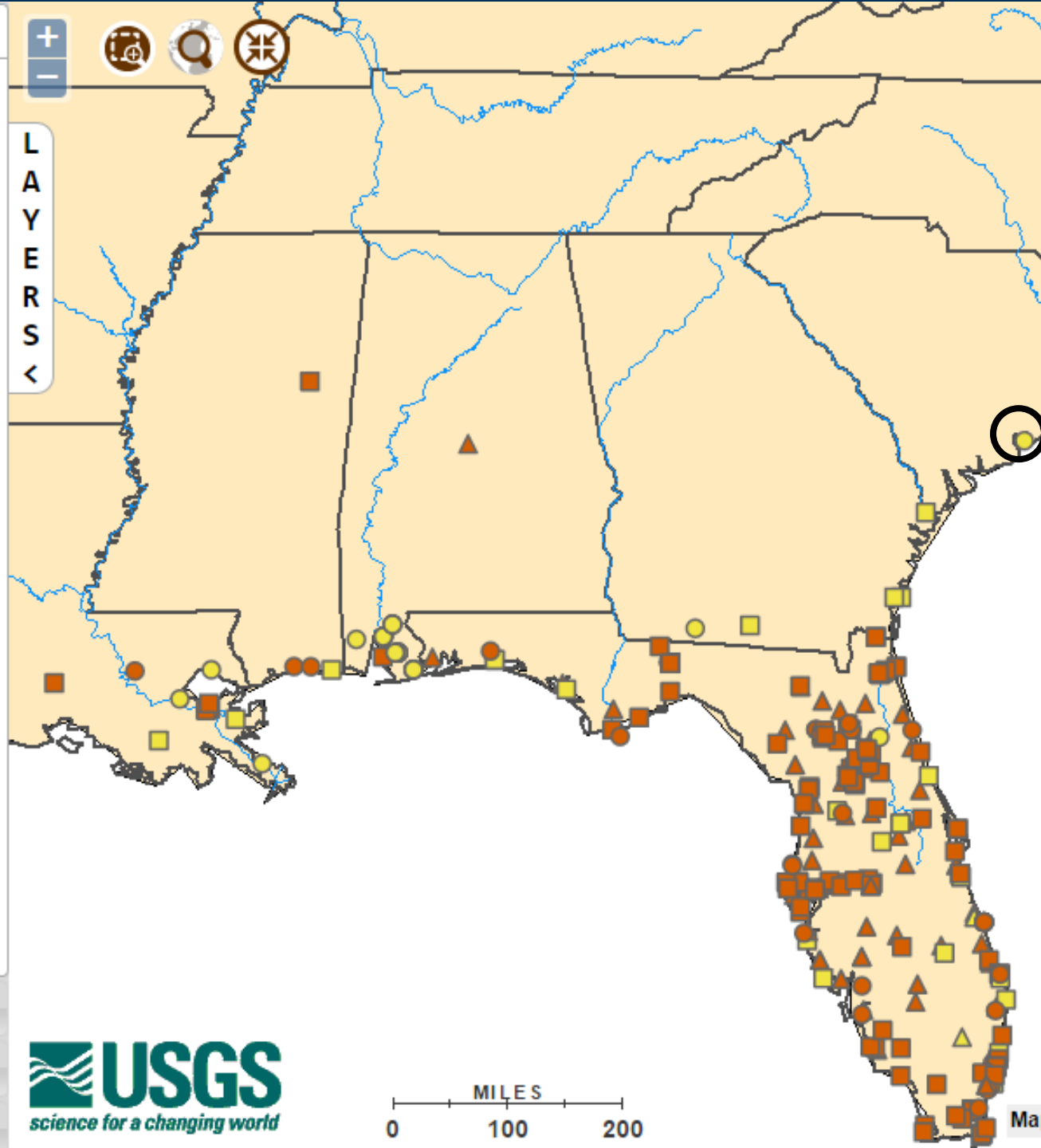
Background

Greenhouse Frog

*Eleutherodactylus planirostris*

Amphibians-Frogs

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► Species Observations

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► Background





a crownsnail

Pyrgophorus parvulus

Mollusks-Gastropods

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► Species Observations

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ghost rams-horn

Biomphalaria havanensis

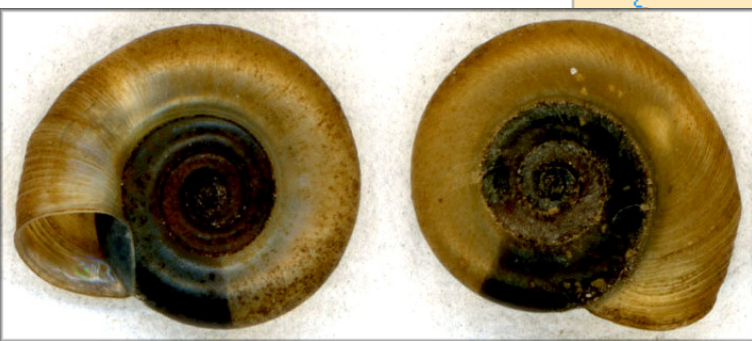
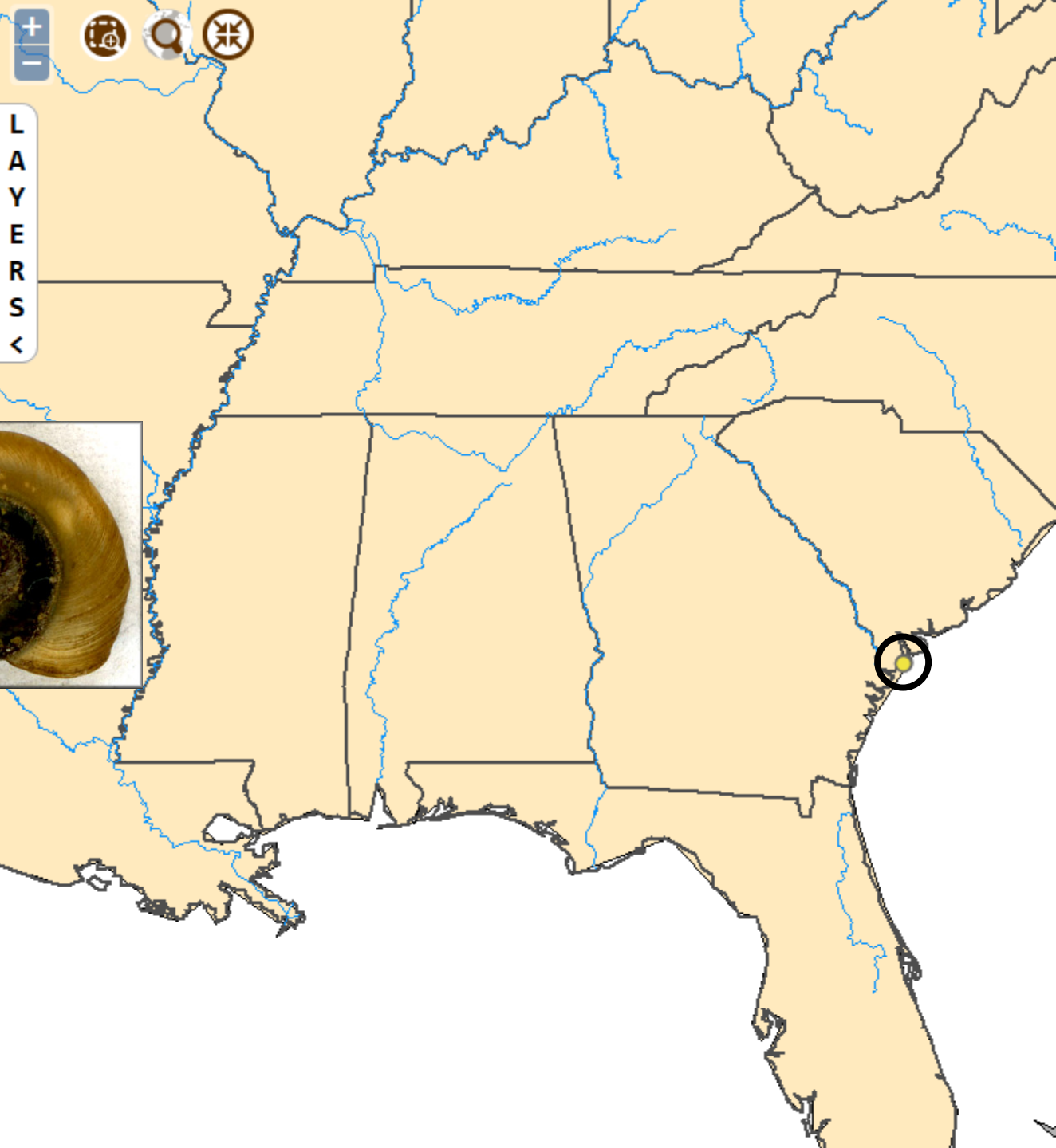
Mollusks- Gastropods

Native Transplant

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Japanese mysterysnail


Cipangopaludina japonica

Mollusks- Gastropods

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zebra mussel




Dreissena polymorpha

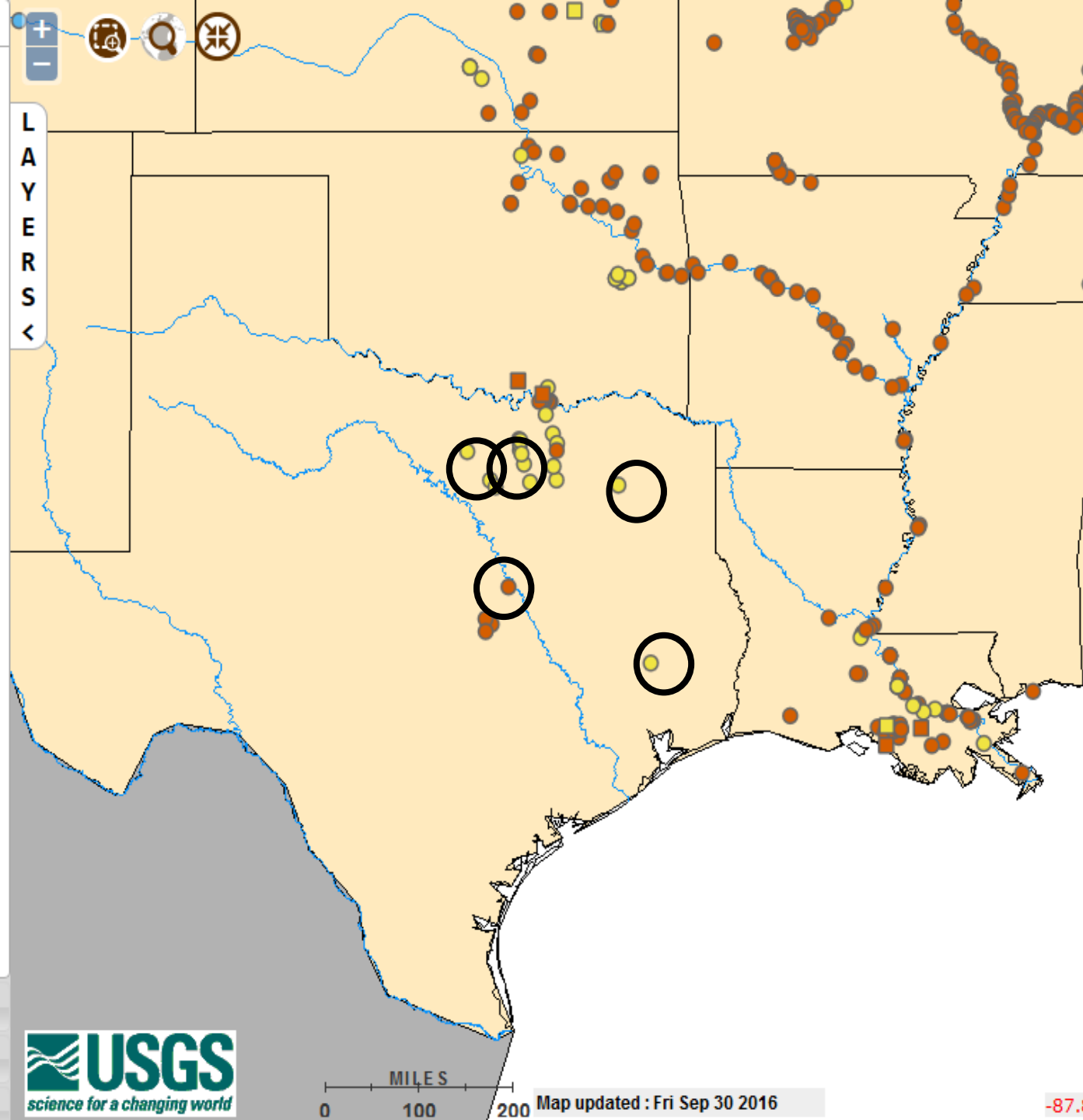
Mollusks-Bivalves

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yellow floating-heart



Nymphoides peltata

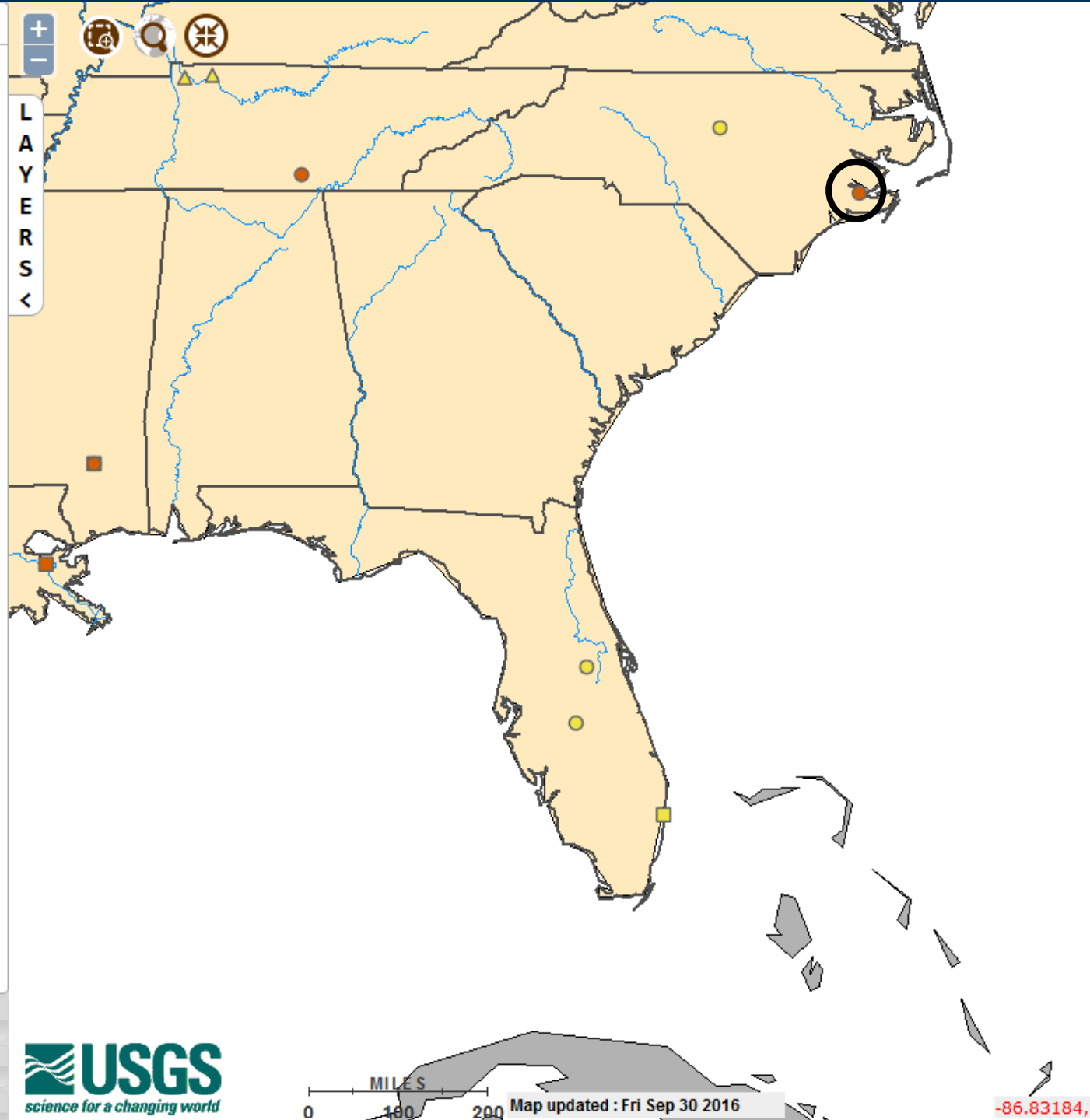
Plants

Exotic

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► Reference Layers

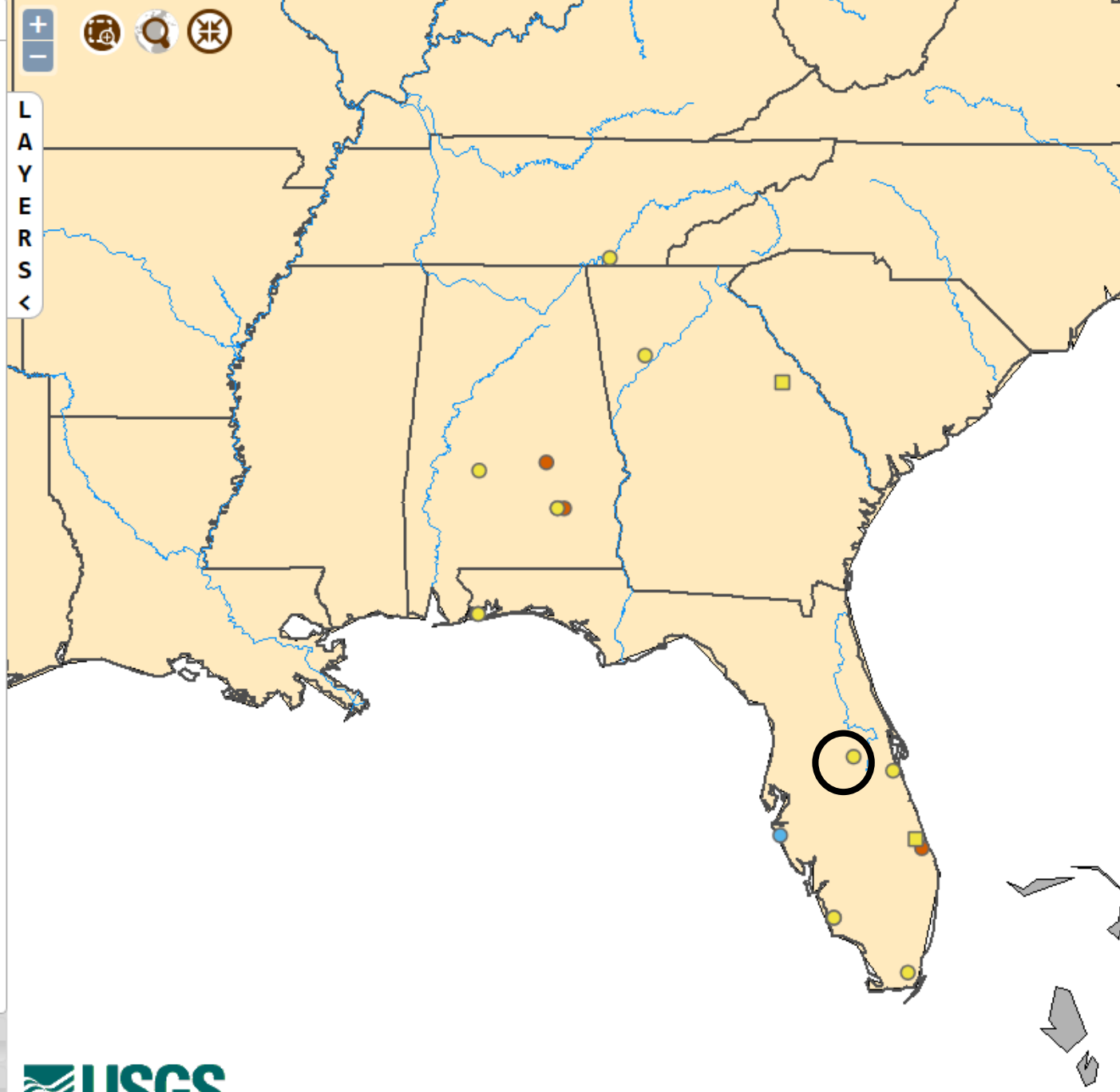
► Background

dwarf water-clover



Marsilea minuta
Plants
Exotic

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Species Observations

Reference Layers

Background