



New Species Occurrences

Matt Neilson

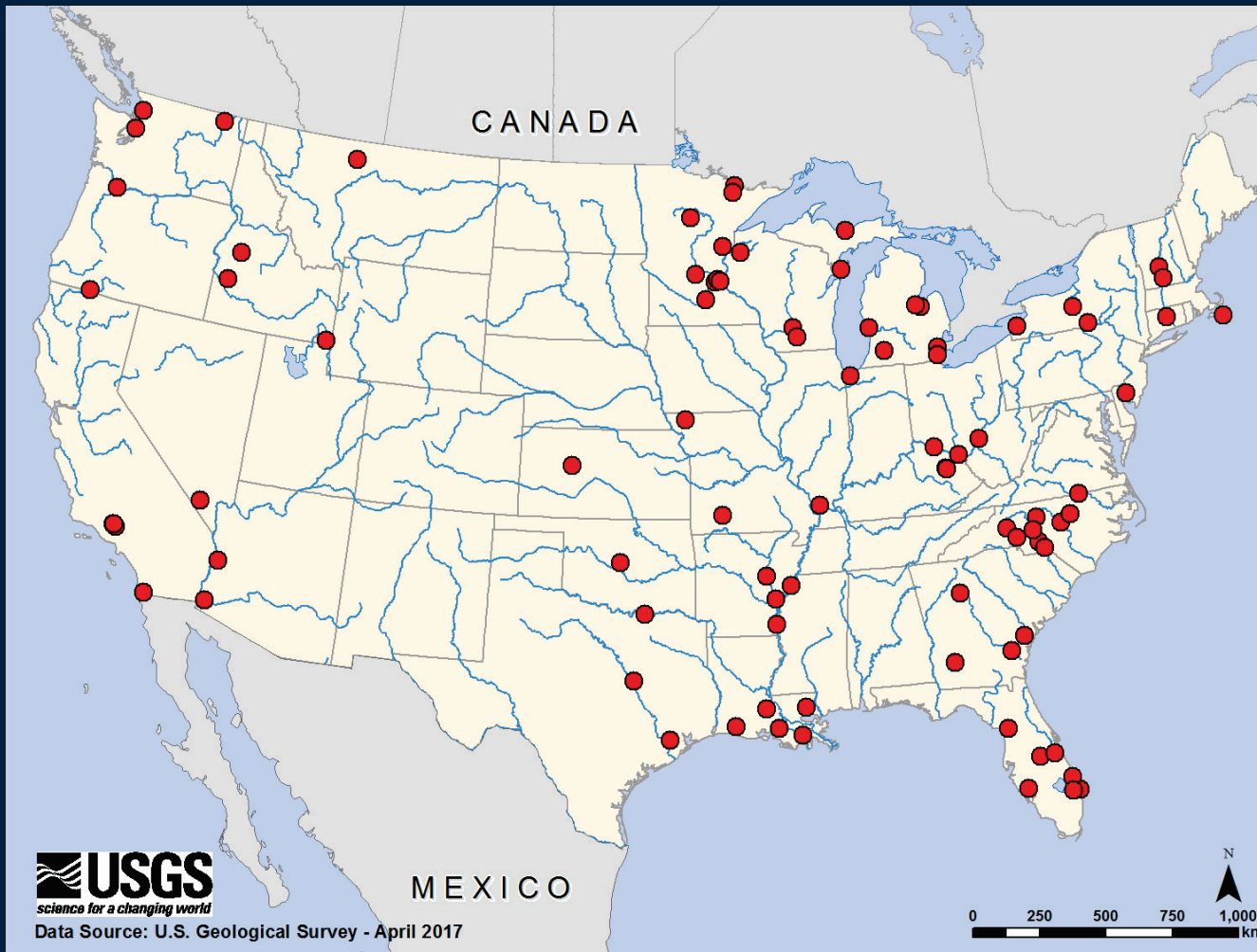
Nonindigenous Aquatic Species Program

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 October 2016 (92)



LEVELS

5 new to US

14 new to state

50 new to drainage

20 new to county

GROUPS

Annelids-Hirundinea-1

Bryozoans-3

Coelenterates-Hydrozoans-3

Crustaceans-4

Fishes-28

Mollusks-25

Plants-26

Reptiles-2

STATES

6 Michigan

9 Minnesota

7 Florida

10 North Carolina

SPECIES

4 Giant applesnail

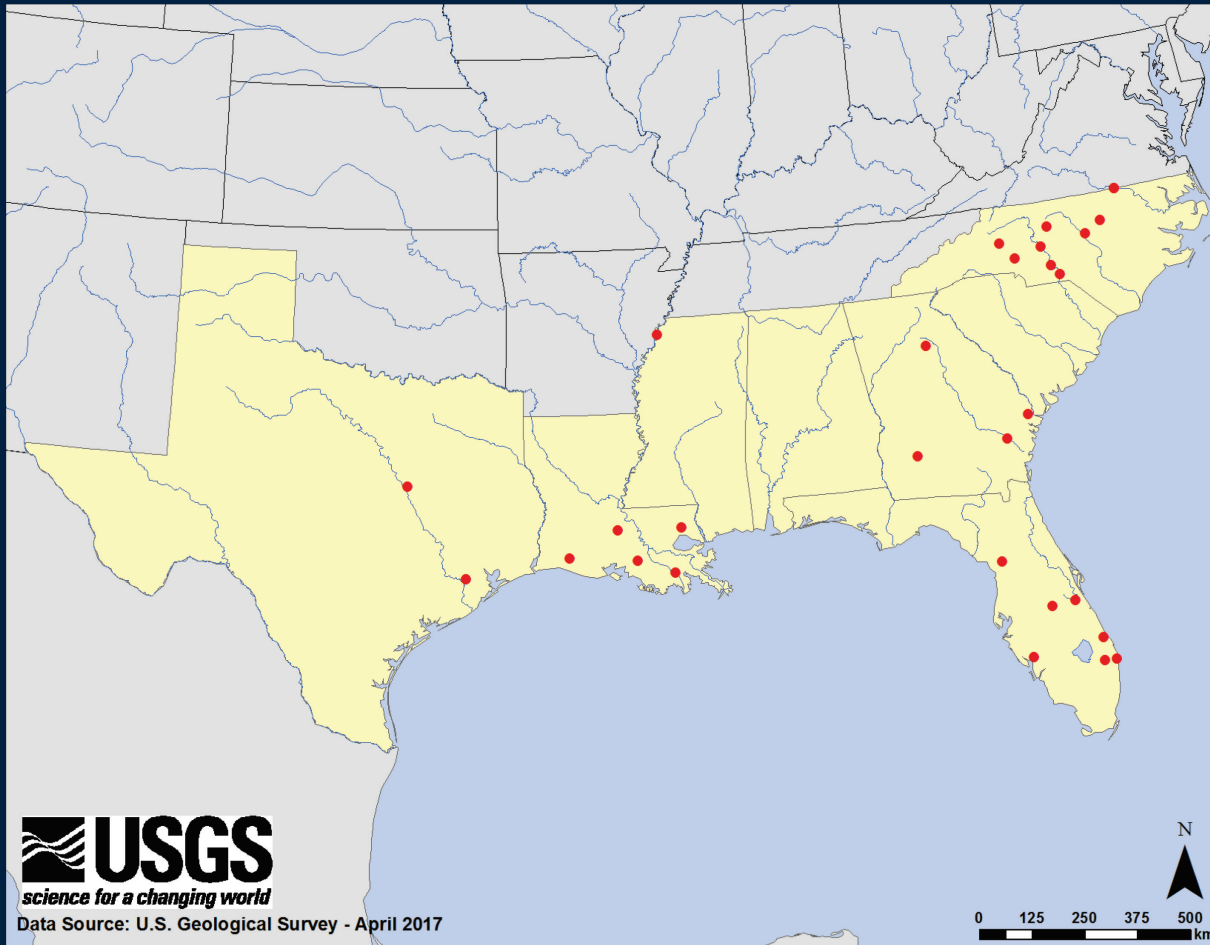
8 Zebra Mussel

6 *Hydrilla*

11 Mystery snail (10 C/1 J)

1 Arapaima

Since October 2016 (29)



LEVELS

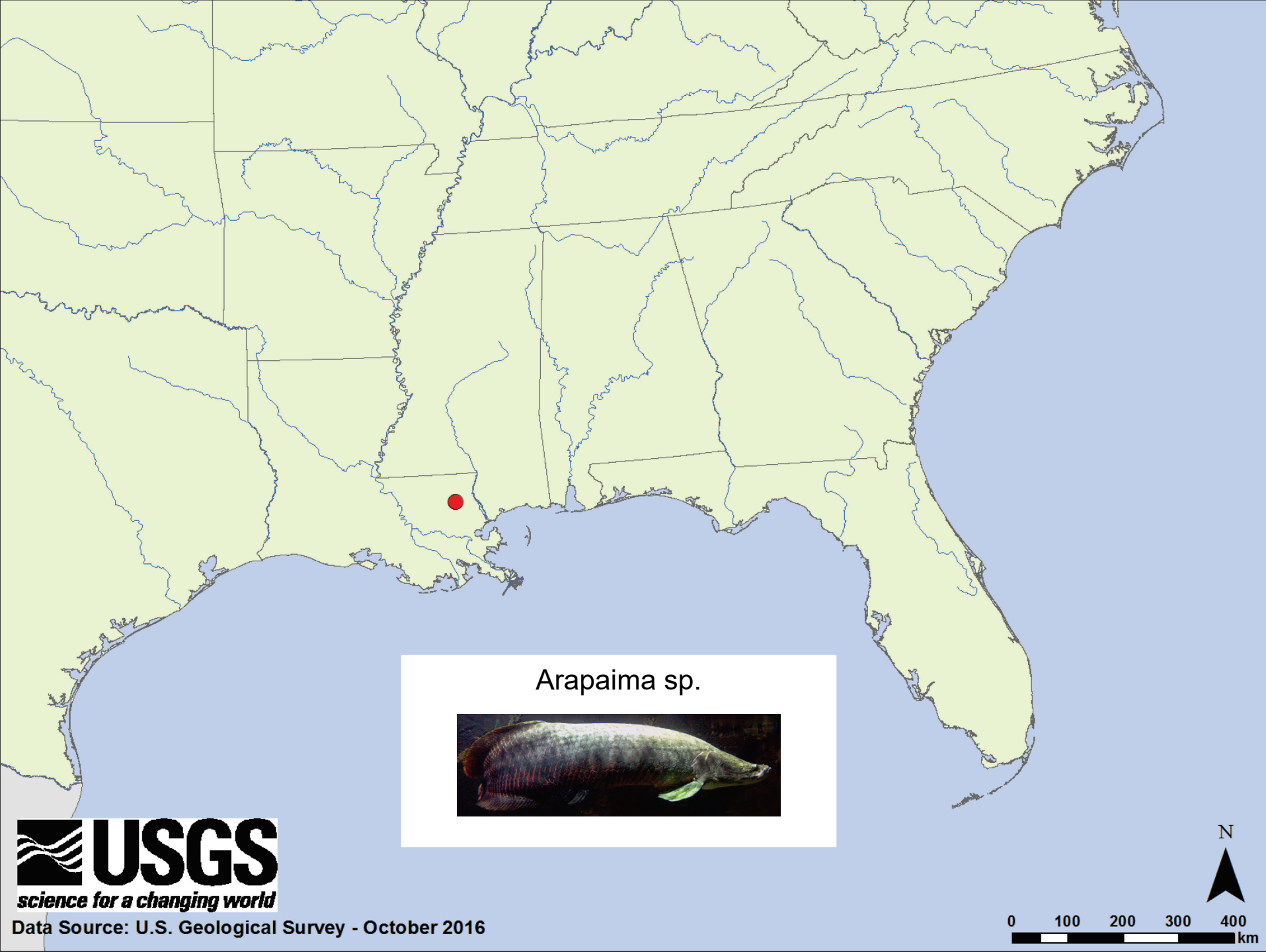
2 new to US
4 new to state
16 new to drainage
7 new to county
0 bonus alert

GROUPS

8 fish
14 mollusks
6 plants
1 turtle

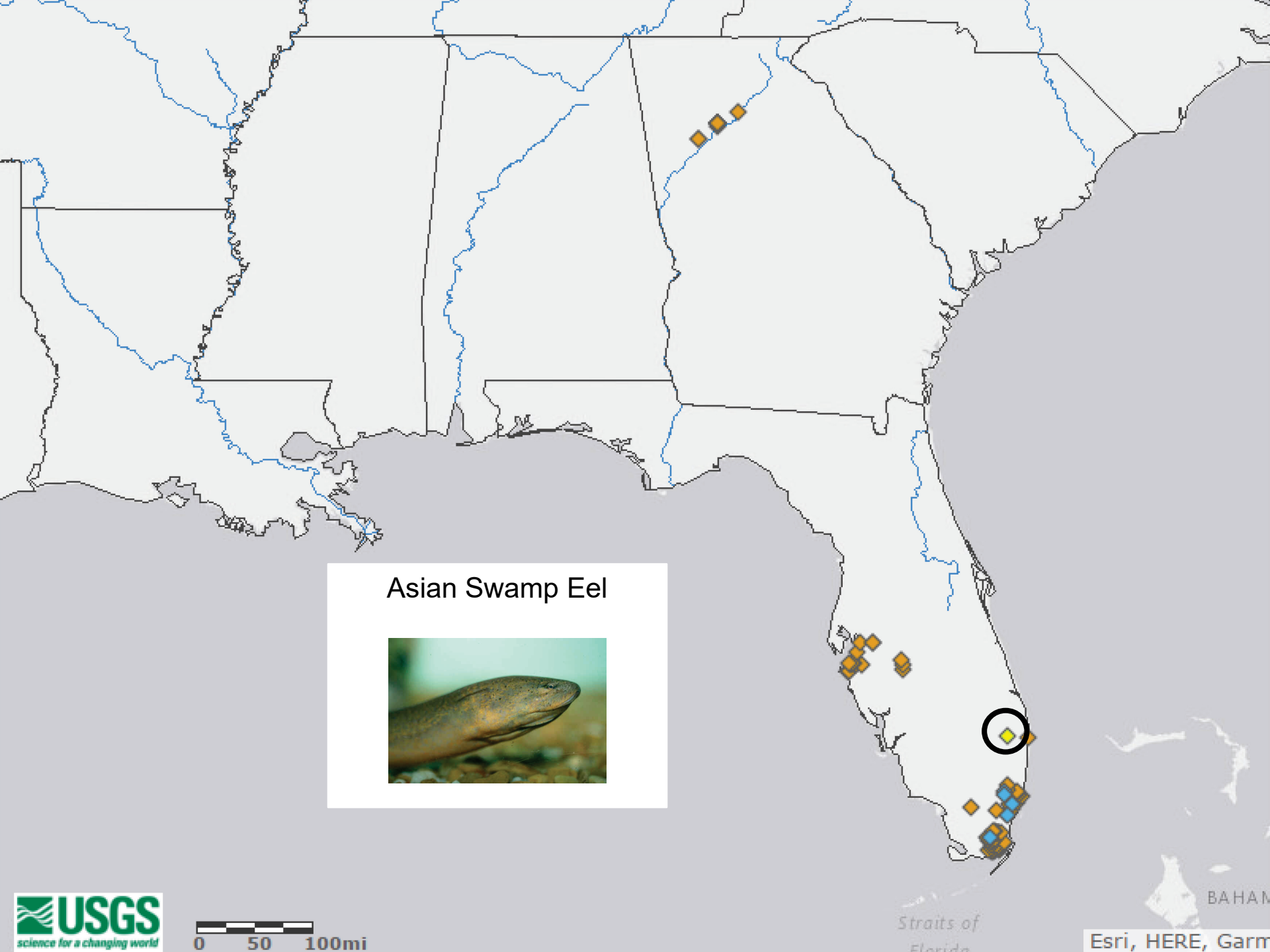
STATES

7 Florida
2 Texas
4 Georgia
5 Louisiana
1 Mississippi
10 North Carolina



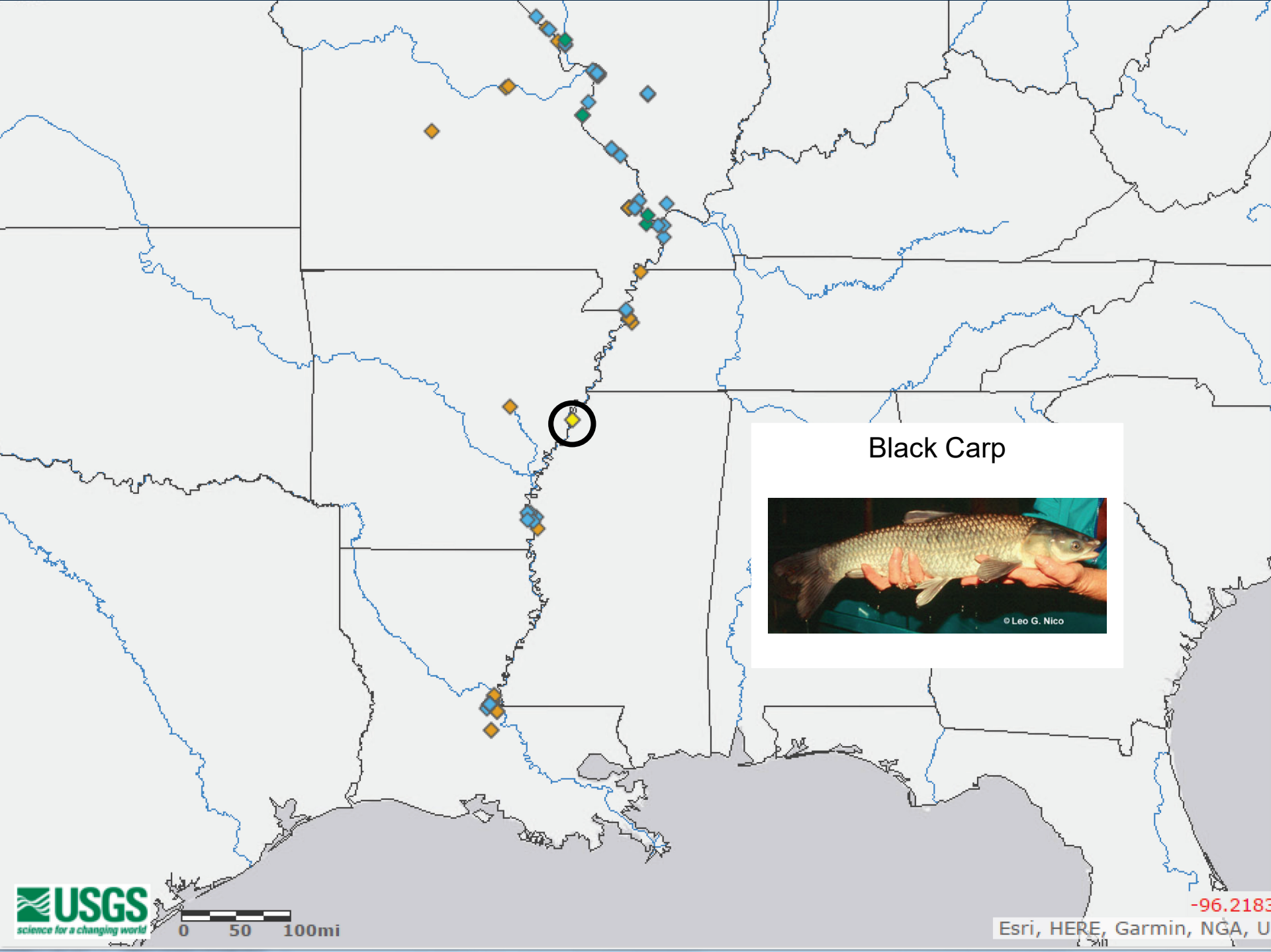
Arapaima sp.





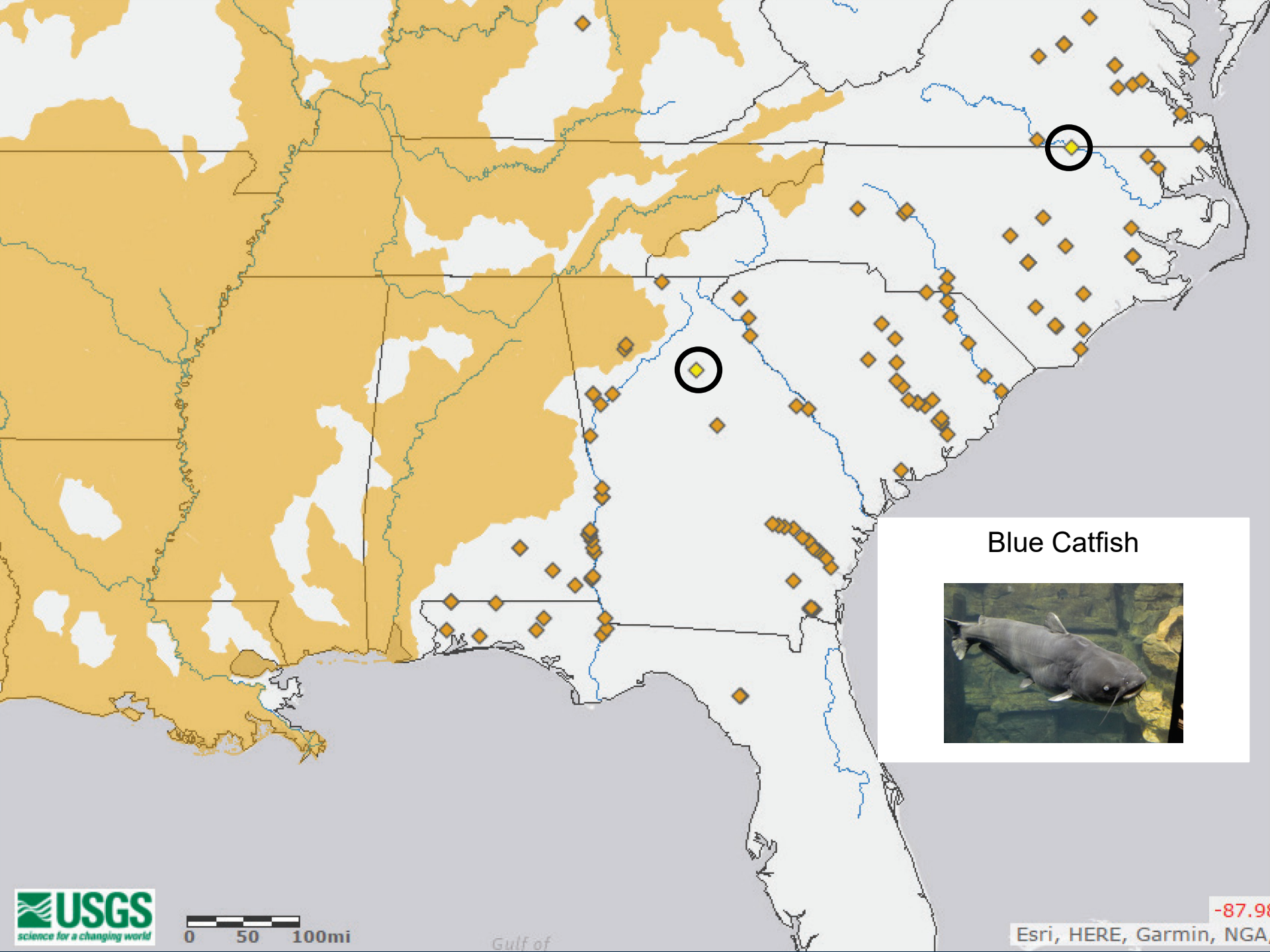
Asian Swamp Eel



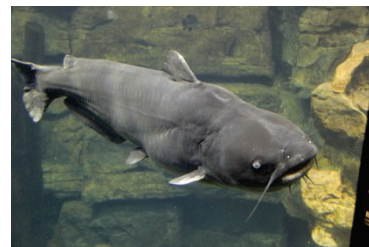


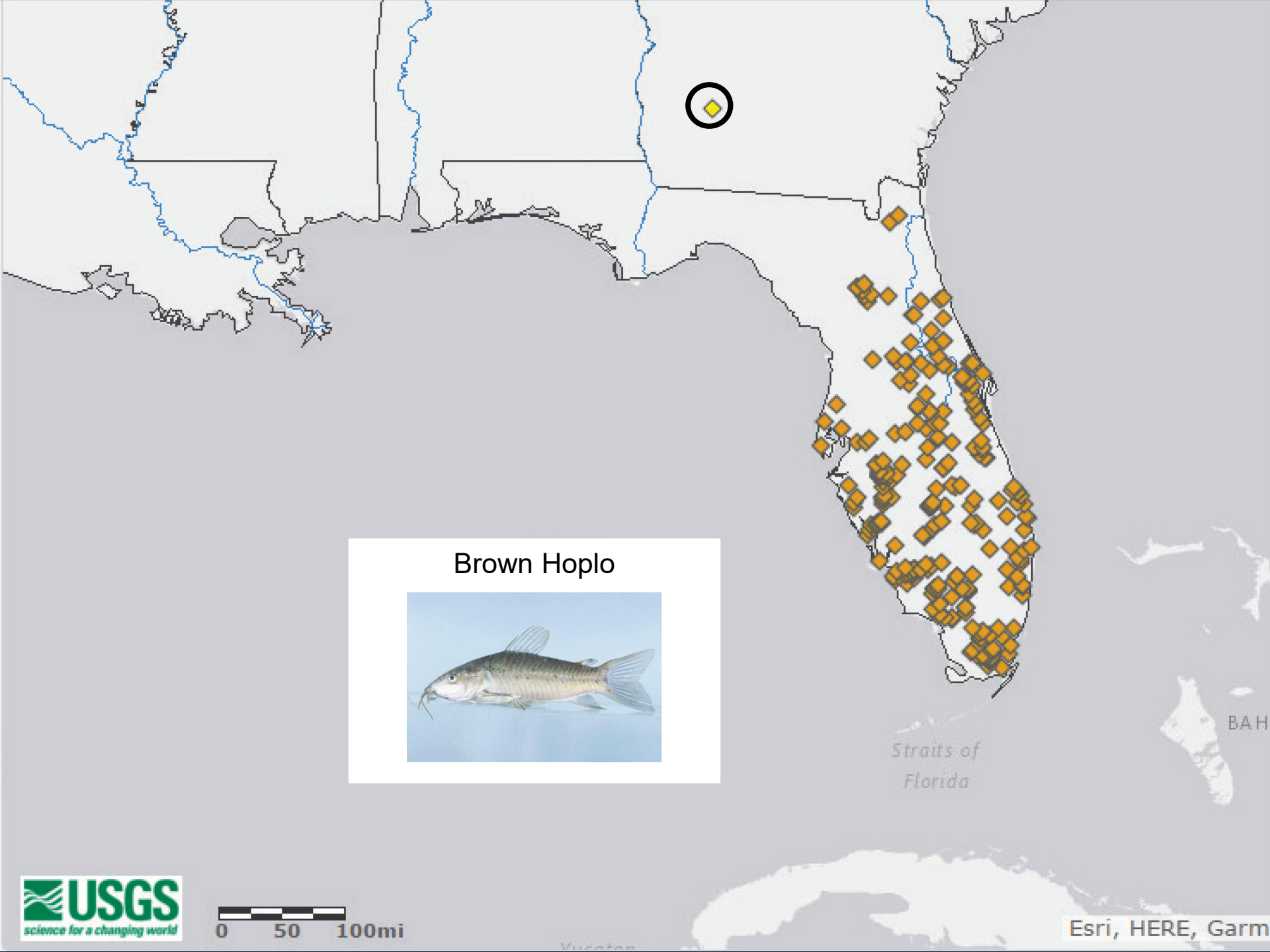
Black Carp





Blue Catfish





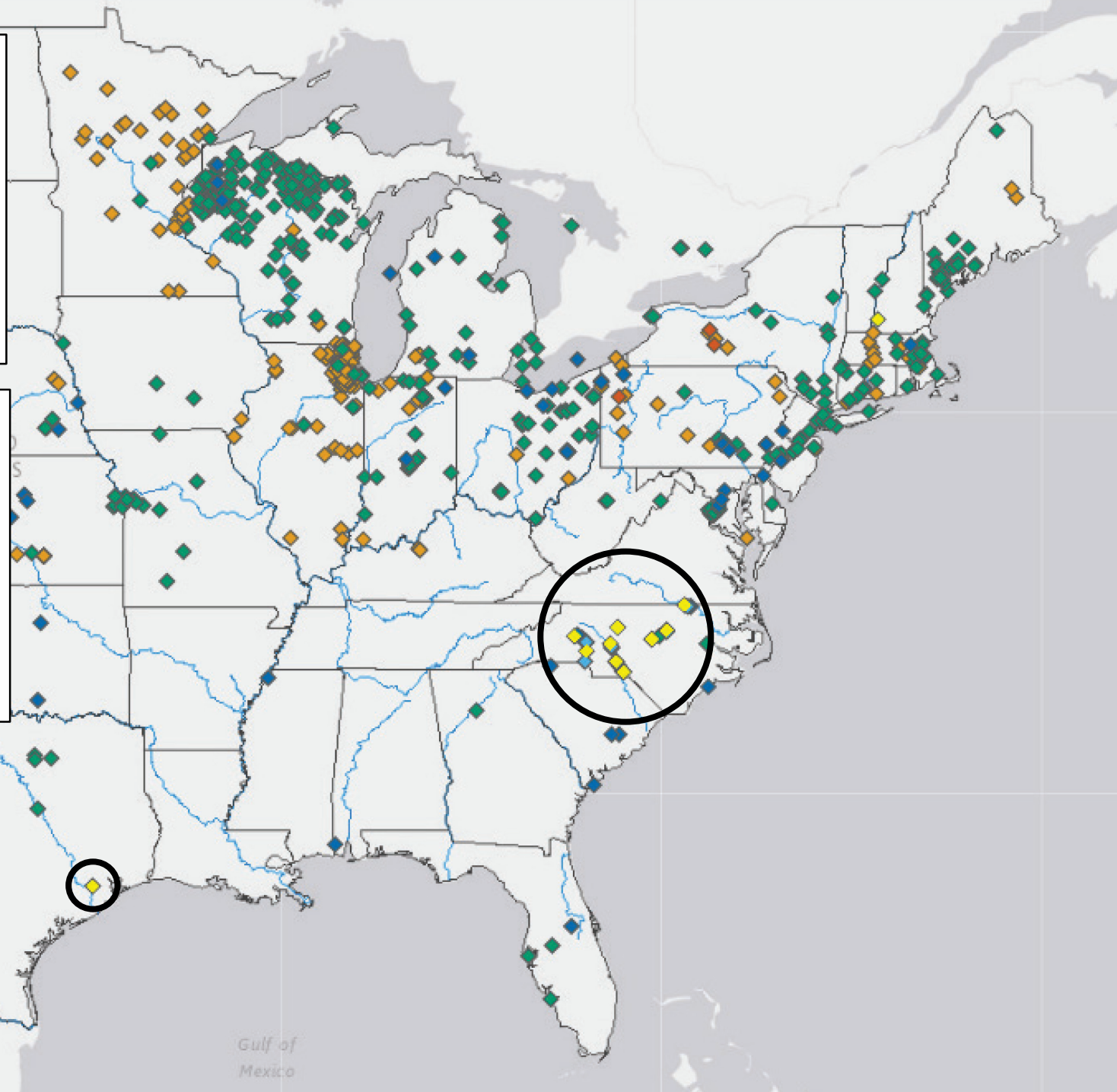
Brown Hoplo



Chinese Mysterysnail



Japanese Mysterysnail





Giant Applesnail



Redhead Cichlid



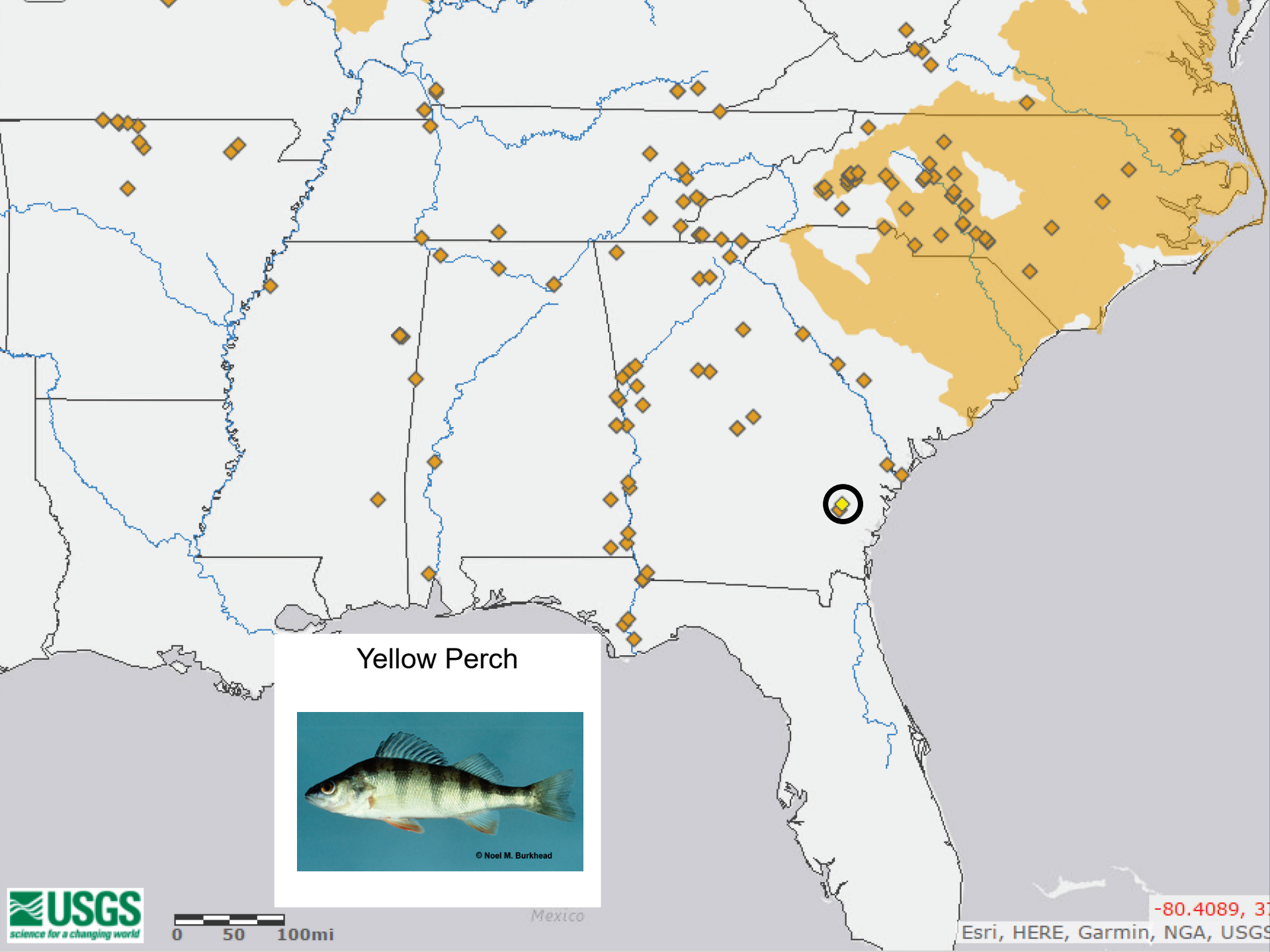
FLORIDA

Gulf of
Mexico



-80.1123, 31.34

Esri, HERE, Garmin, NGA, USGS, N



Yellow Perch



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Yellow-bellied slider

