



New Species Occurrences

Pam Fuller

Nonindigenous Aquatic Species Program

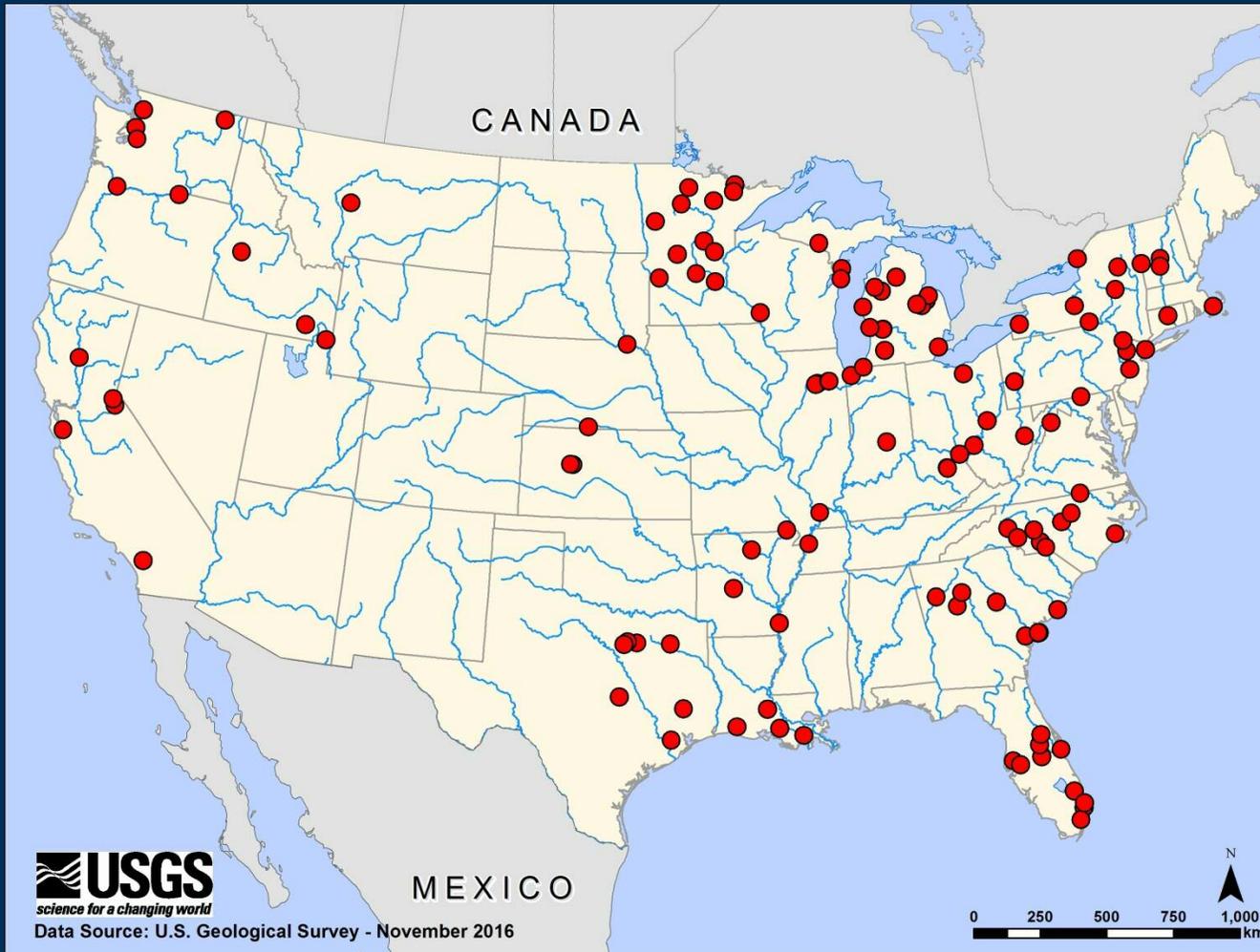
Gainesville, FL

U.S. Department of the Interior
U.S. Geological Survey

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 May 2016 (129)



LEVELS

7 new to US
17 new to state
78 new to drainage
26 new to county

GROUPS

3 amphibians
4 bryozoans
2 coelenterates
7 crustaceans
37 fishes
38 mollusks
33 plants
4 reptiles

STATES

15 Michigan
12 Minnesota
10 FL, NC

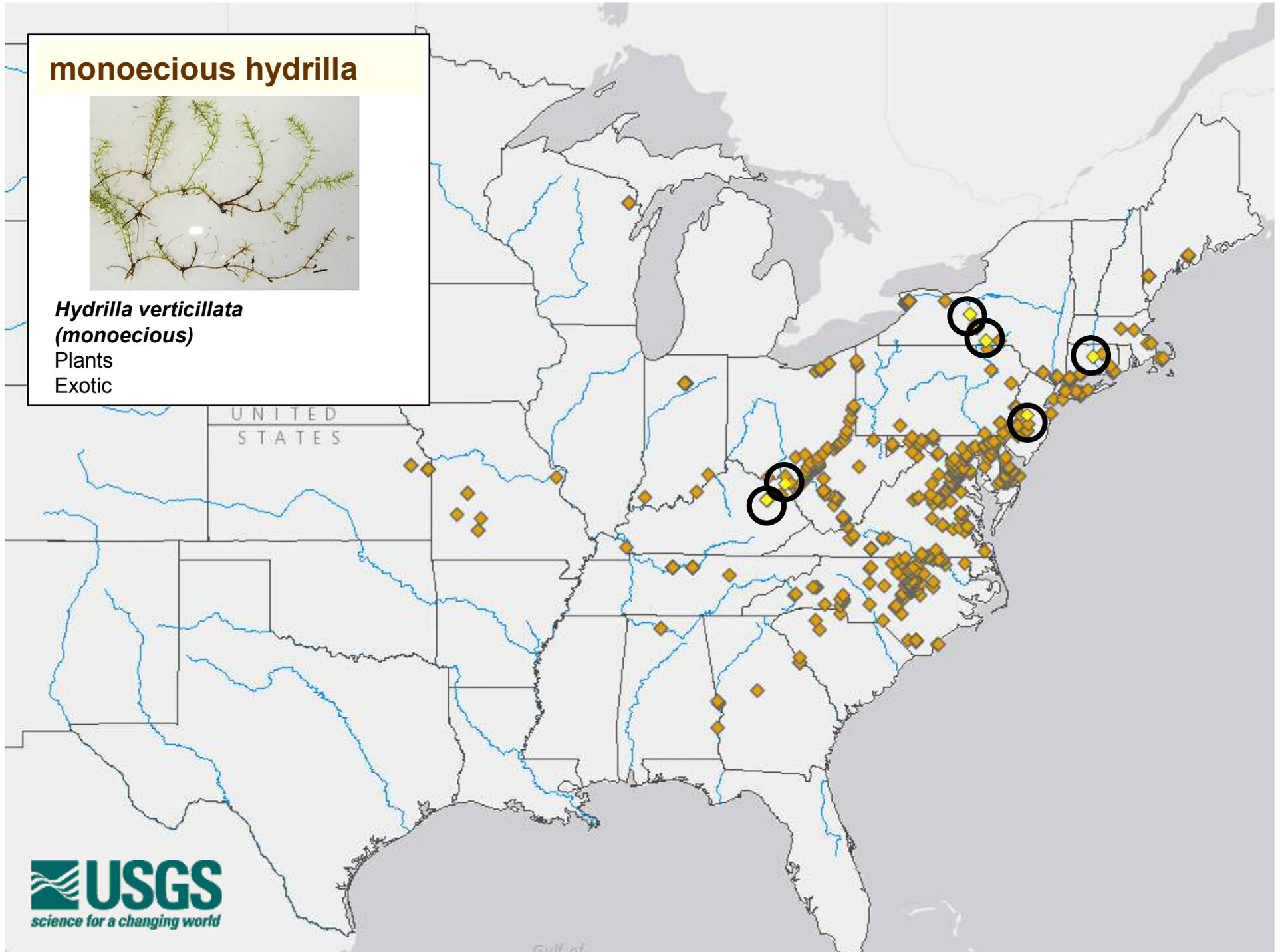
SPECIES

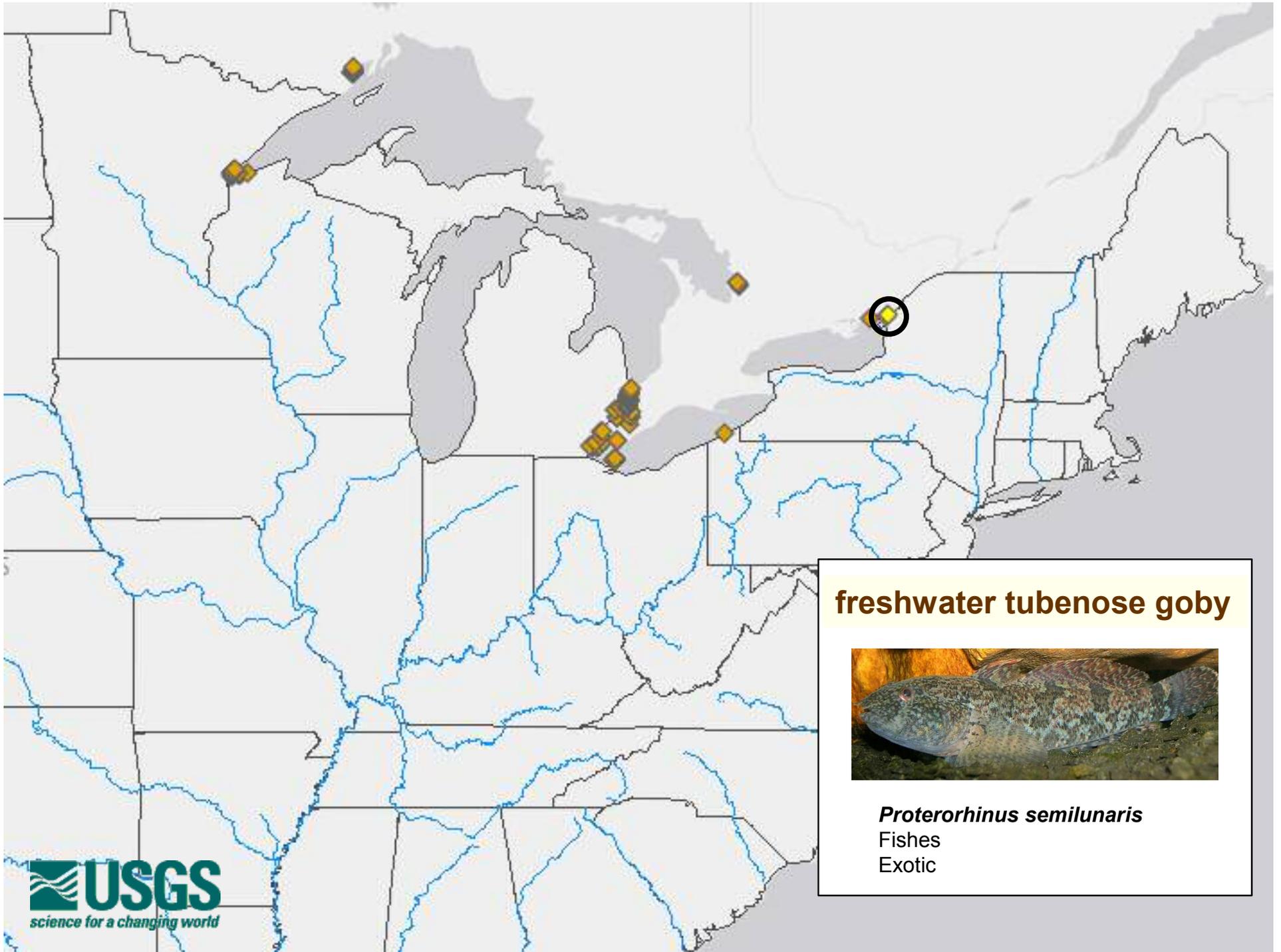
12 Carp (3 BC/2SC/5GC)
10 Zebra Mussel
8 *Hydrilla*
12 Mystery snail (9 C/3 J)

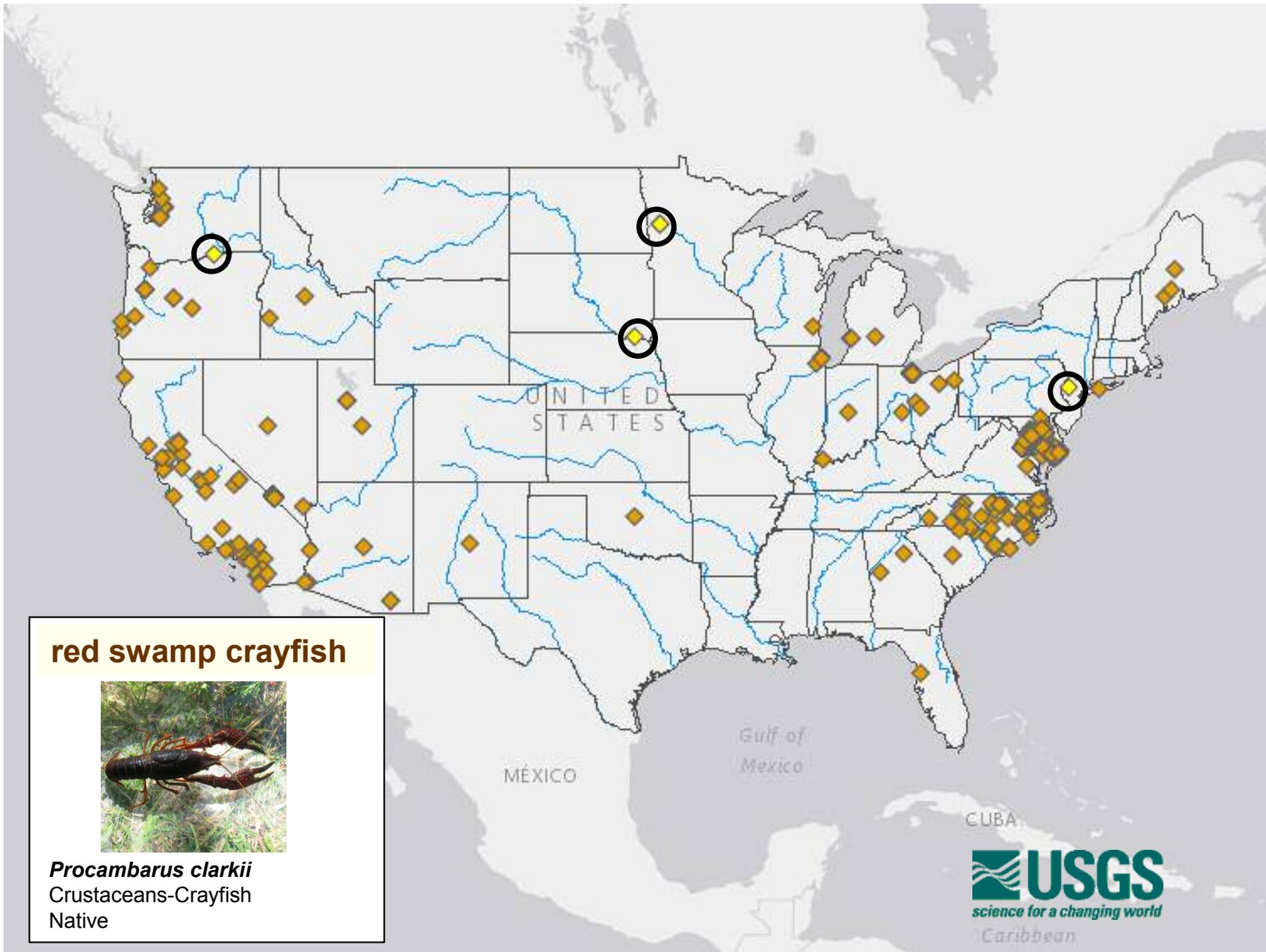
monoecious hydrilla



Hydrilla verticillata
(monoecious)
Plants
Exotic







red swamp crayfish



Procambarus clarkii
Crustaceans-Crayfish
Native

New Maps and Spatial Queries



NAS - Nonindigenous Aquatic Species

Query Species

Map Records

Search

Add a New Search Field
(Select search fields)

Search by Area
 Draw Polygon
 Draw Circle

Search Reset



Map updated Wed Oct 19 2016. Data Disclaimer: Number of records does not imply species abundance. These maps represent collection records only and may not reflect the actual distribution of established populations. Recommended browsers are Firefox, Chrome, IE9 & above. These data are preliminary or provisional and are subject to revision. They are being provided to meet the need for timely best science. The data have not received final approval by the U.S. Geological Survey (USGS) and are provided on the condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the data. Please contact [NAS staff](#) for a custom query.

Query Species

Map Records

Search

Add a New Search Field

(Select search fields)

Search by Area

Draw Polygon

Draw Circle

Radius: 25

Units: miles

Search

Reset



- Taxonomic Search
- Species Observations
- Base Layers
- Reference Layers

Homewood Suites by Hilton Jackson | Homewood Suites Wifi

Nonindigenous Aquatic Species

- Query Species
- 

Archocentrus nigrofasciatus
Convict Cichlid
Fishes
Exotic

Include
 - 

Lithobates catesbeianus
American Bullfrog
Amphibians-Frogs
Native

Include Native Range
 - 

Melanoides tuberculata
red-rim melania
Mollusks-Gastropods
Exotic

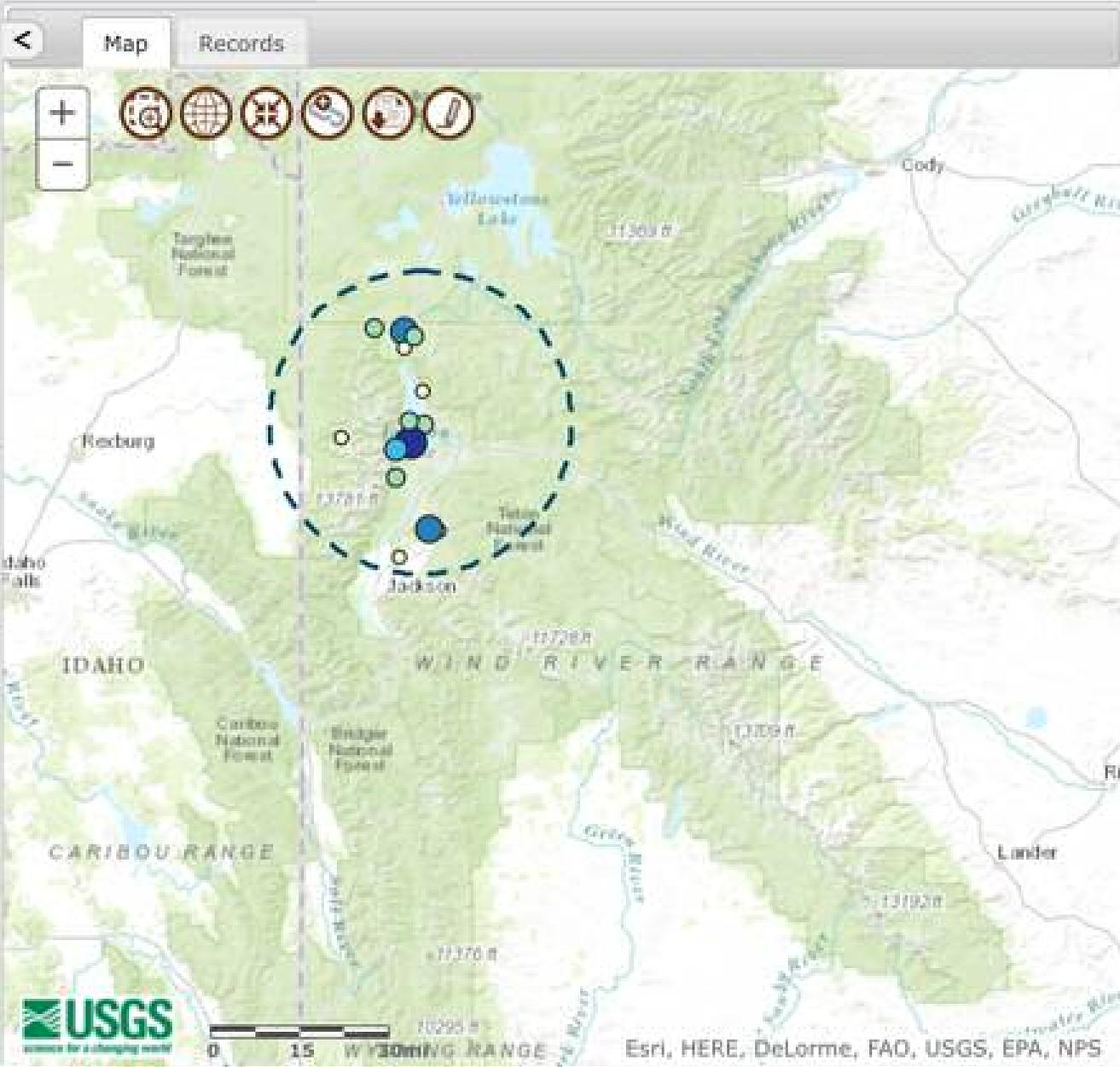
Include
 - 

Oncorhynchus mykiss
Rainbow Trout
Fishes
Native

Include Native Range
 - This image is not available at this time.

Oreochromis, Sarotherodon, Tilapia sp.
tilapia
Fishes
Exotic

Include
 - Physa skinneri*



Query		Species		Map		Records						
	<i>Archocentrus nigrofasciatus</i> Convict Cichlid Fishes Exotic		129 records 									
<input checked="" type="checkbox"/>	Include	<u>Specimen ID</u>	<u>Scientific Name</u>	<u>State</u>	<u>County</u>	<u>Locality</u>	<u>Year</u>	<u>HUC 8 Number</u>	<u>Drainage Name</u>	<u>Accuracy</u>		
		158080	<i>Archocentrus nigrofasciatus</i>	WY	Teton	Grand Teton National Park	1999	17040101	Snake Headwaters	Accurate		
	<i>Lithobates catesbeianus</i> American Bullfrog Amphibians-Frogs Native											
<input checked="" type="checkbox"/>	Include	<input type="checkbox"/>	Native Range									
		47246	<i>Archocentrus nigrofasciatus</i>	WY	Teton	Kelly Warm Spring, 1.6 km NNE of Kelly in Grand Teton National Park	1991	17040102	Gros Ventre	Accurate		
	<i>Melanoides tuberculata</i> red-rim melania Mollusks-Gastropods Exotic											
<input checked="" type="checkbox"/>	Include	47242	<i>Archocentrus nigrofasciatus</i>	WY	Teton	Teton National Park, warm springs pond on the south side of the road heading east to the Gros Ventre Lakes and campgrounds	1996	17040102	Gros Ventre	Accurate		
	<i>Oncorhynchus mykiss</i> Rainbow Trout Fishes Native											
<input checked="" type="checkbox"/>	Include	<input type="checkbox"/>	Native Range									
		266390	<i>Lithobates catesbeianus</i>	WY	Teton	Kelly Warm Spring, 1.6 km NNE of Kelly in Grand Teton National Park	1995	17040102	Gros Ventre	Accurate		
	<i>Oreochromis</i> <i>Sarotherodon</i> , <i>Tilapia</i> sp. tilapia Fishes Exotic											
<input checked="" type="checkbox"/>	Include	237723	<i>Melanoides tuberculata</i>	WY	Teton	Kelly Warm Spring, 1.6 km NNE of Kelly in Grand Teton National Park	2006	17040102	Gros Ventre	Accurate		
	<i>Physa skinneri</i>											

Query Species

Map Records

Search

Taxonomic Search

- + Amphibians
- + Bryozoans
- + Coelenterates
- + Crustaceans
- + Entoprocts
- + Fishes
- + Mammals
- + Mollusks
- + Plants
- + Reptiles

Reset

Species Observations

Base Layers

Reference Layers



Query Species

Map Records

Search

Add a New Search Field

(Select search fields)

Common Name

zebra mussel X

(OR)

quagga mussel X

State

California X

(OR)

Nevada X

Search by Area

Draw Polygon

Draw Circle

Search

Reset

Taxonomic Search

Species Observations

Base Layers

Reference Layers

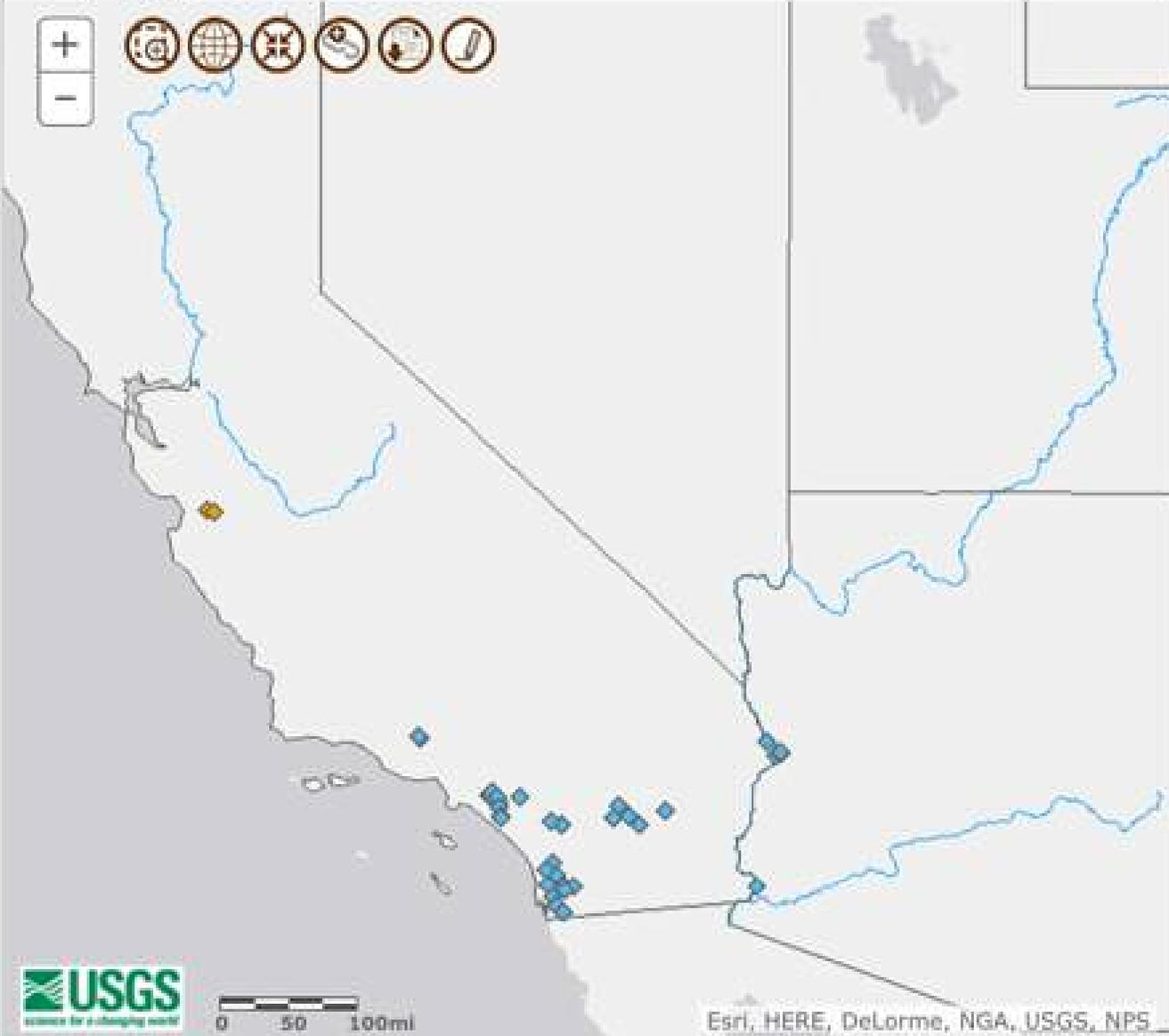


Query Species

Map Records

 *Dreissena polymorpha*
zebra mussel
Mollusks-Bivalves
Exotic
 Include

 *Dreissena rostriformis bugensis*
quagga mussel
Mollusks-Bivalves
Exotic
 Include



0 50 100mi

Query

Species

<

Map

Records



Dreissena polymorpha

zebra mussel
Mollusks-Bivalves
Exotic



76 records



Include



Dreissena rostriformis

bugensis
quagga mussel
Mollusks-Bivalves
Exotic



Include

Specimen ID	Scientific Name	State	County	Locality	Year	HUC 8 Number	Drainage Name	Accuracy	St
242513	<i>Dreissena polymorpha</i>	CA	San Benito	San Justo Reservoir [just SW of Hollister]	2008	18060002	Pajaro	Accurate	es
293221	<i>Dreissena polymorpha</i>	CA	San Benito	pump in Hollister at Ridgemark Golf Course	2012	18060002	Pajaro	Accurate	es
242953	<i>Dreissena rostriformis bugensis</i>	CA	Imperial	Colorado River at Imperial Dam [just N of Yuma, AZ]	2008	15030104	Imperial Reservoir	Accurate	es
250406	<i>Dreissena rostriformis bugensis</i>	CA	Orange	Rattlesnake Reservoir, Irvine	2008	18070204	Newport Bay	Accurate	es
252571	<i>Dreissena rostriformis bugensis</i>	CA	Orange	Rattlesnake Reservoir, Irvine	2008	18070204	Newport Bay	Accurate	es
262079	<i>Dreissena rostriformis bugensis</i>	CA	Orange	Walnut Canyon Reservoir [E of Anaheim]	2009	18070203	Santa Ana	Accurate	es
263544	<i>Dreissena rostriformis bugensis</i>	CA	Orange	Anaheim Lake [NE of Anaheim]	2009	18070106	San Gabriel	Accurate	es

Query Species

Map Records

- Search
- Taxonomic Search
- Species Observations

Base Layers



Topographic



Streets



Satellite



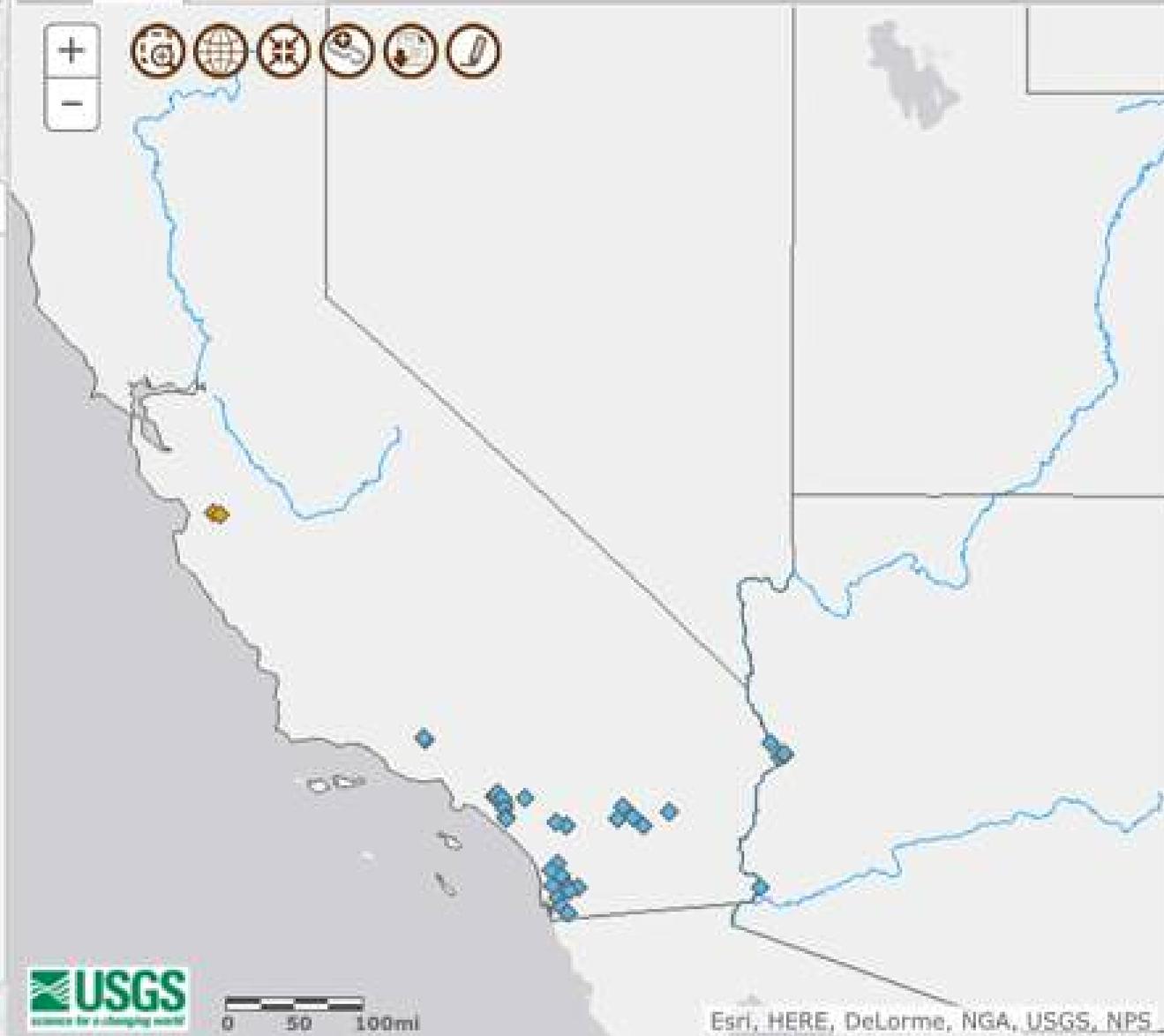
Grayscale



Dark



Basic



Reference Layers



0 50 100mi

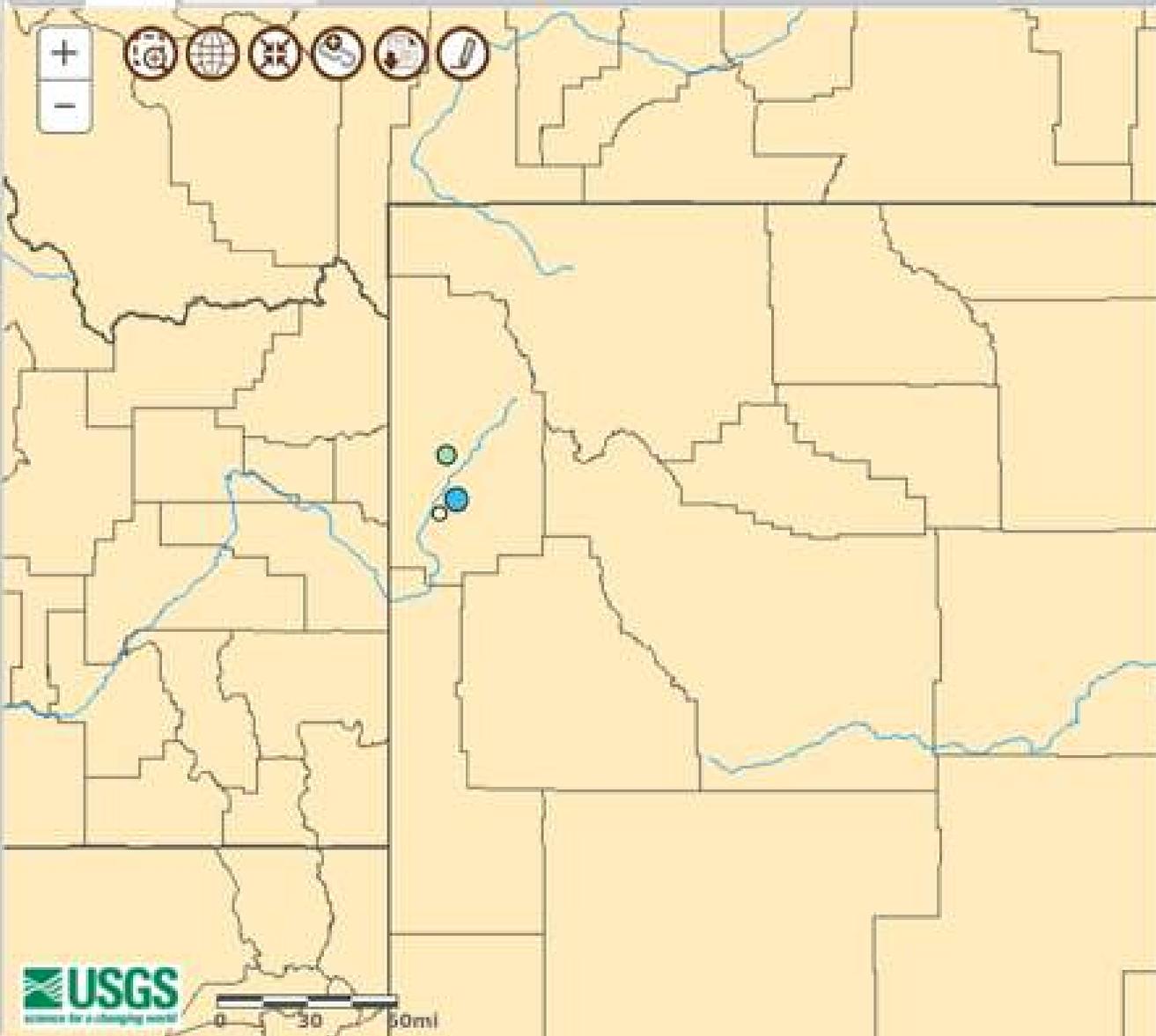
Esri, HERE, DeLorme, NGA, USGS, NPS

Query Species

Map Records

- Search
- Taxonomic Search
- Species Observations
- Base Layers
- Reference Layers

- Major Rivers
- Counties
- County Labels
- States
- HUC 8
- HUC 8 Labels
- HUC 6
- HUC 6 Labels
- HUC 2
- HUC 2 Labels
- Congressional Districts



Query Species

Map Records

- Search
- Taxonomic Search
- Species Observations

Base Layers



Topographic



Streets



Satellite



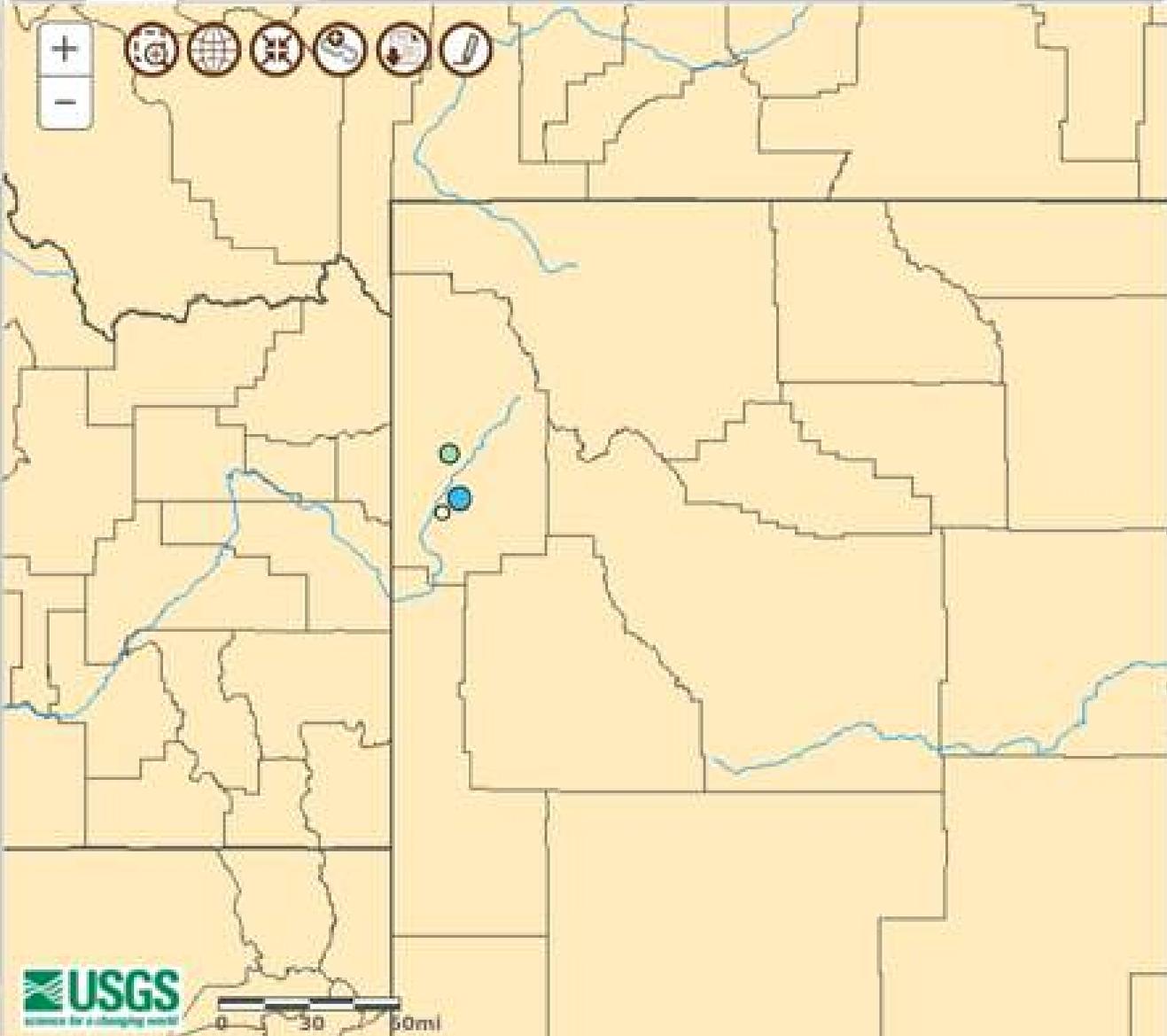
Grayscale



Dark



Basic



Reference Layers

Query

Species

<

Map

Records

Search

Taxonomic Search

Species Observations

Point Observations

Clustered Specimen Records

1

2 to 5

6 to 10

11 to 19

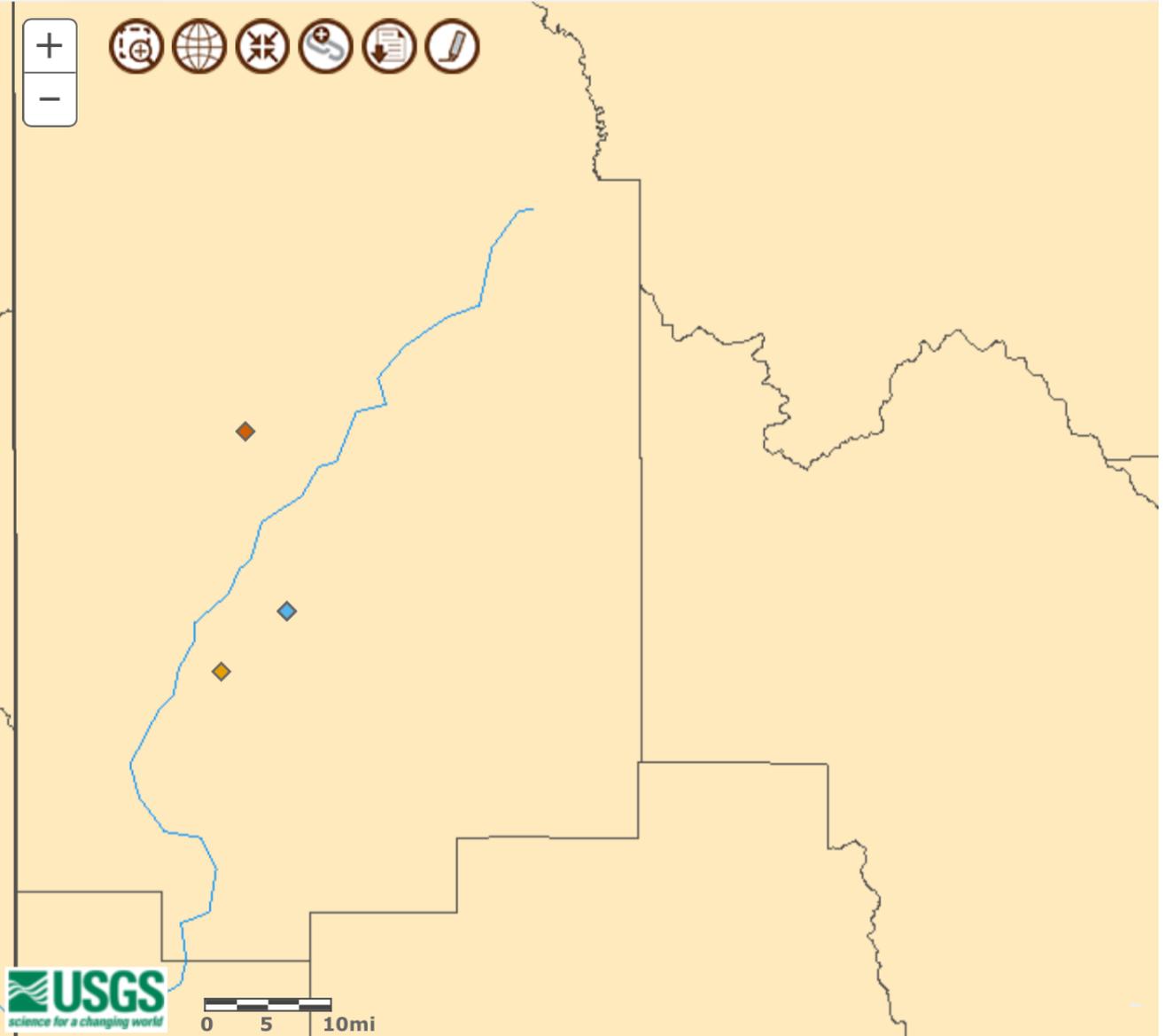
20 or more

Selected

Individual Specimens

Base Layers

Reference Layers



Query Species

Map Records



Archocentrus nigrofasciatus
Convict Cichlid
Fishes
Exotic



Include



Melanoides tuberculata
red-rim melania
Mollusks-Gastropods
Exotic



Include



Poecilia reticulata
Guppy
Fishes
Exotic



Include



Systemus tetrazona
tiger barb
Fishes
Exotic



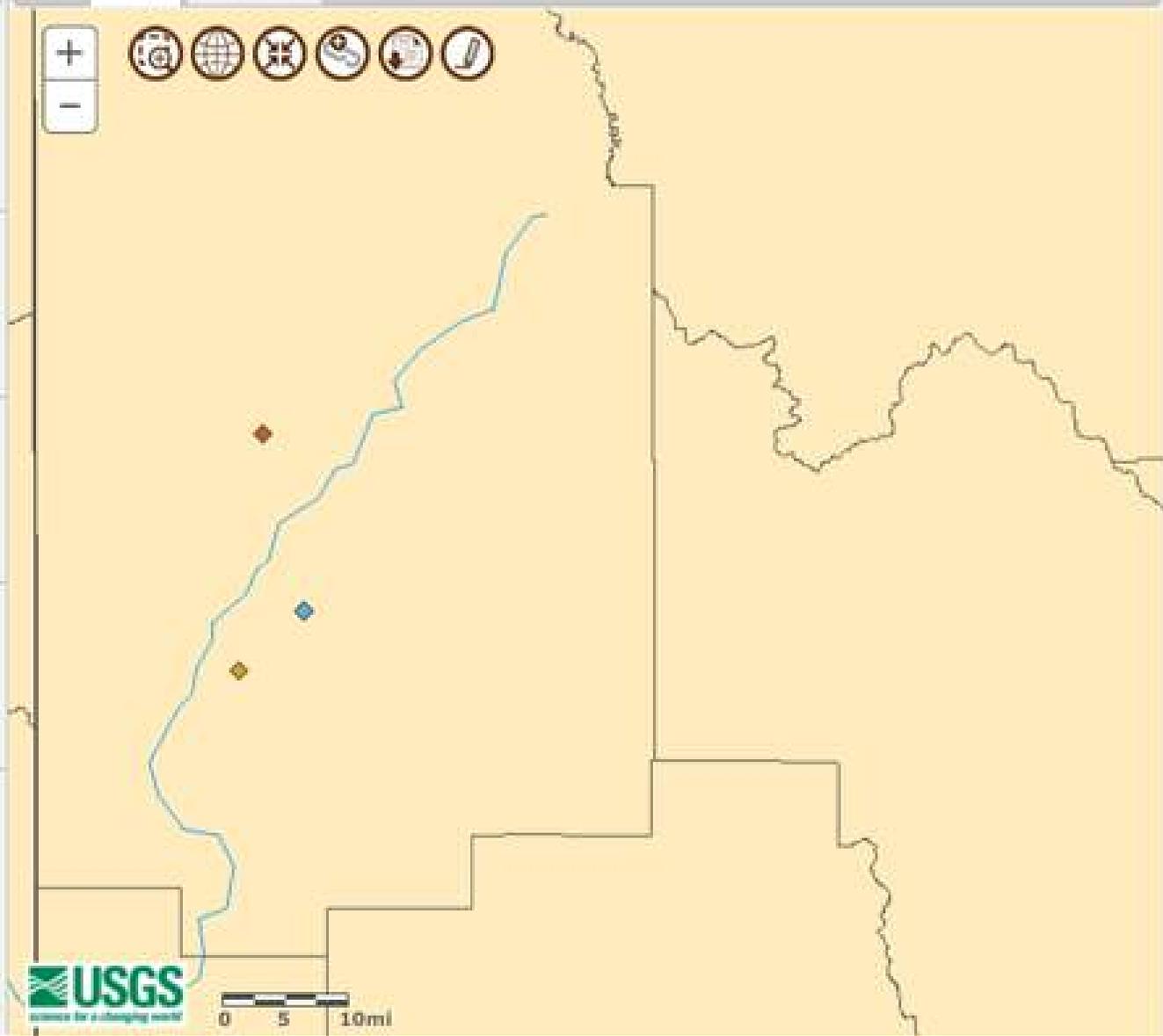
Include



Xiphophorus helleri
Green Swordtail
Fishes
Exotic



Include



Query

Species

<

Map

Records

Search

Add a New Search Field

(Select search fields)

Common Name

Snail

Search by Area

Draw Polygon

Draw Circle

Search

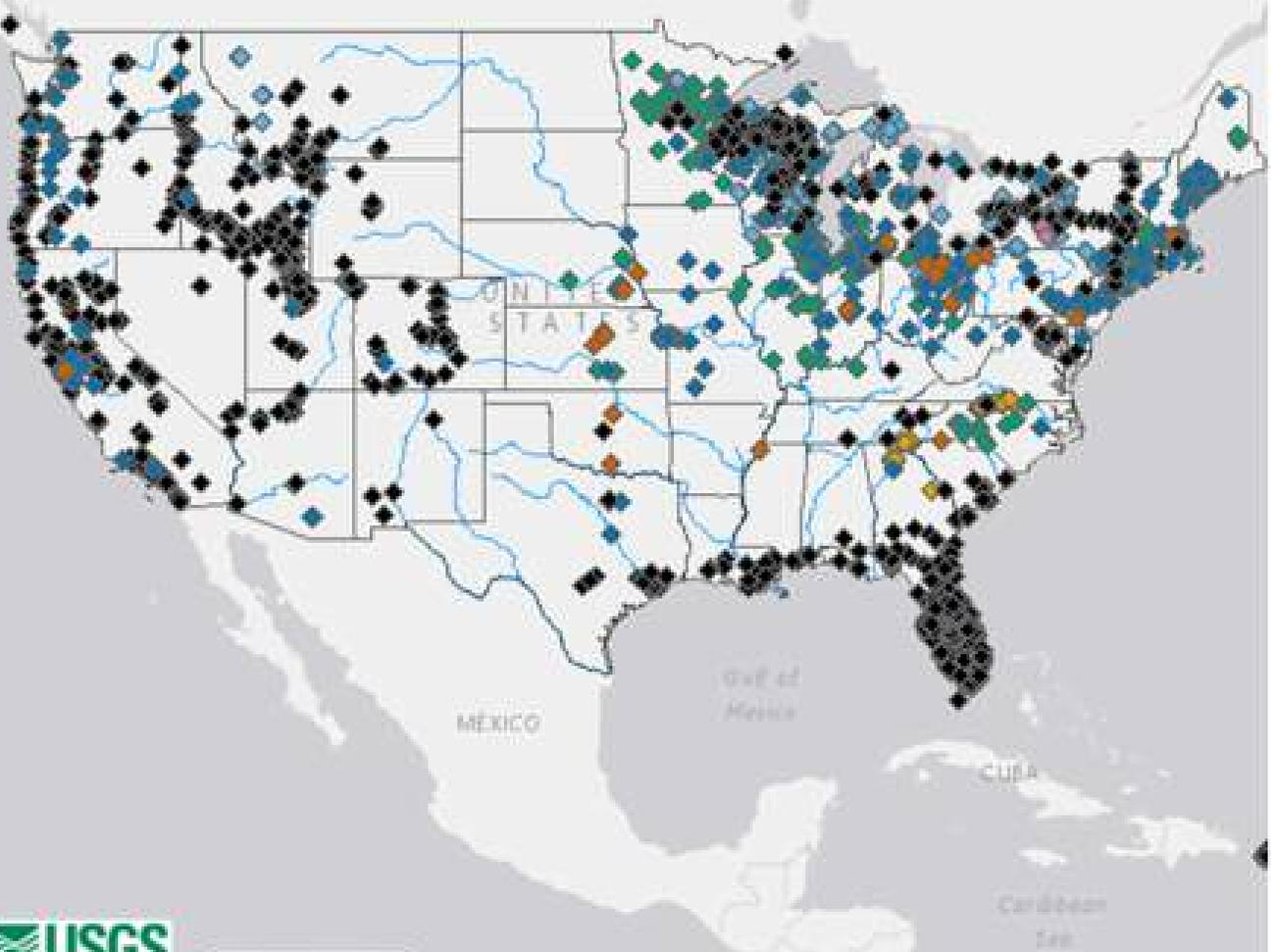
Reset

Taxonomic Search

Species Observations

Base Layers

Reference Layers



Query **Species**

< Map Records

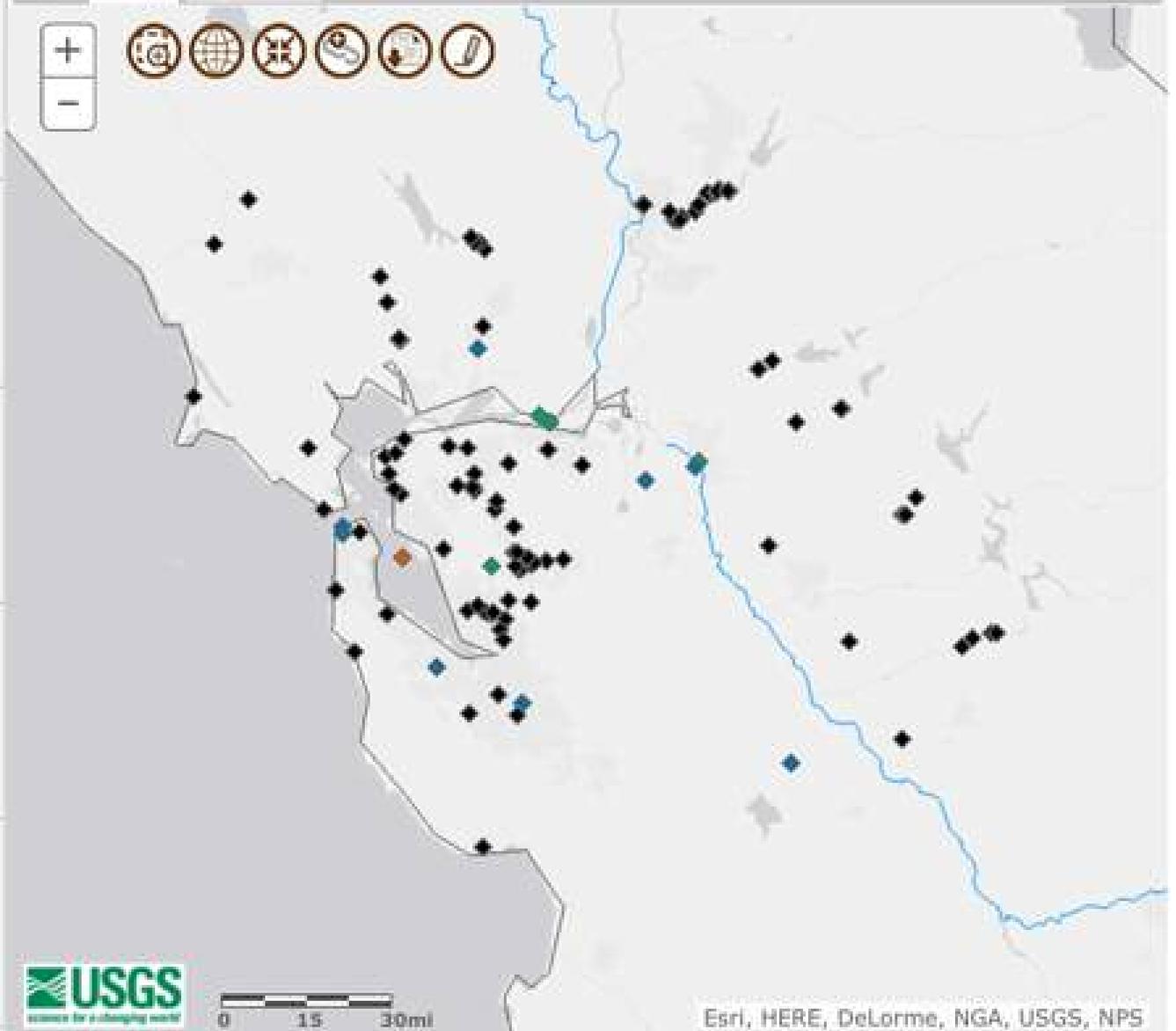
 *Amelurus brunneus* ◆
 Snail Bullhead
 Fishes
 Native
 Include Native Range

 *Bithynia tentaculata* ◆
 mud bithynia, faucet snail
 Mollusks-Gastropods
 Exotic
 Include

 *Cipangopaludina chinensis* ◆
 Chinese mysterysnail
 Mollusks-Gastropods
 Exotic
 Include

 *Cipangopaludina chinensis malleata* ◆
 Chinese mysterysnail
 Mollusks-Gastropods
 Exotic
 Include

 *Cipangopaludina japonica* ◆
 Japanese mysterysnail
 Mollusks-Gastropods
 Exotic
 Include



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