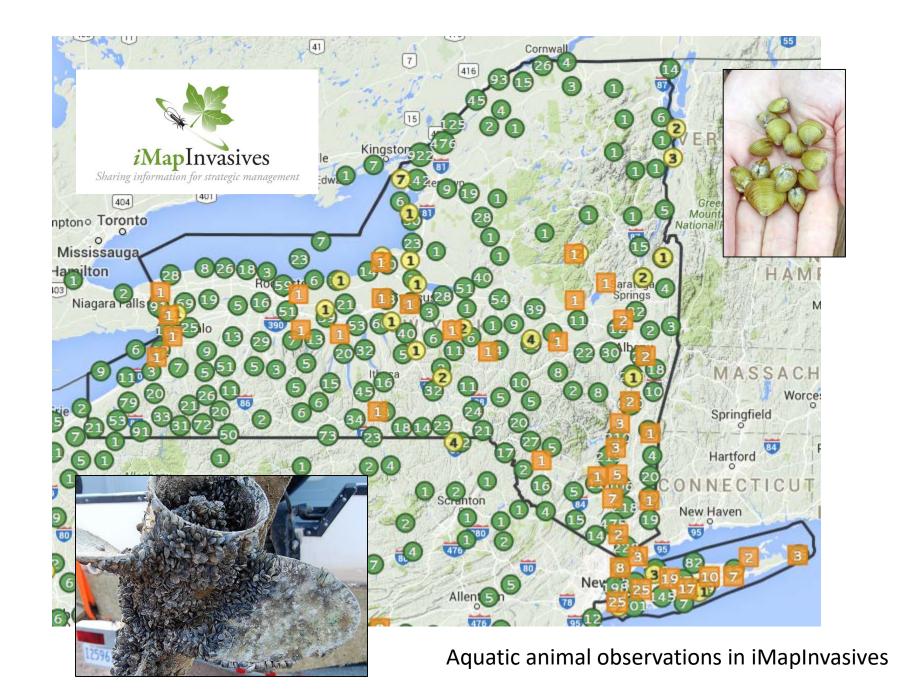


Emerging Aquatic Invasive Animals



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Asian Carps

The common usage of the term "Asian carps" in the US has come to include only the four carps most recently introduced:

- bighead carp (Hypophthalmichthys nobilis)
- silver carp (H. molitrix)
- black carp (Mylopharyngodon piceus)
- grass carp (Ctenopharyngodon idella)

Three additional carps native to Asia have been introduced into the US but are not commonly included in the collective term "Asian carps":

- common carp (Cyprinus carpio)
- goldfish (Carassius auratus)
- crucian carp (Carassius carassius)

From www.asiancarp.org



Bighead Carp Hypophthalmichthys nobilis



SilverCarp Hypophthalmichthys molitrix



Black Carp Mylopharyngodon piceus

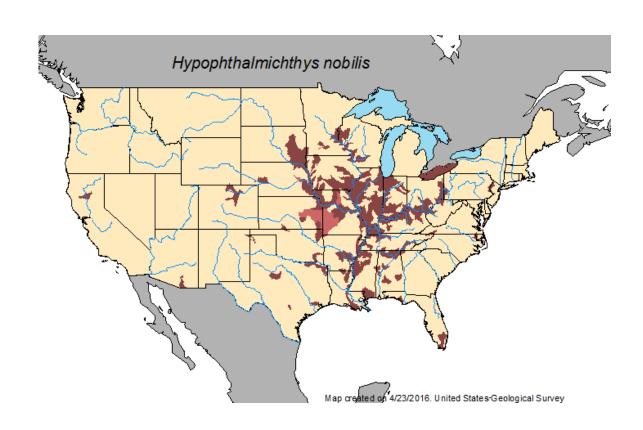


Grass Carp Ctenopharyngodon idella

Bighead Carp

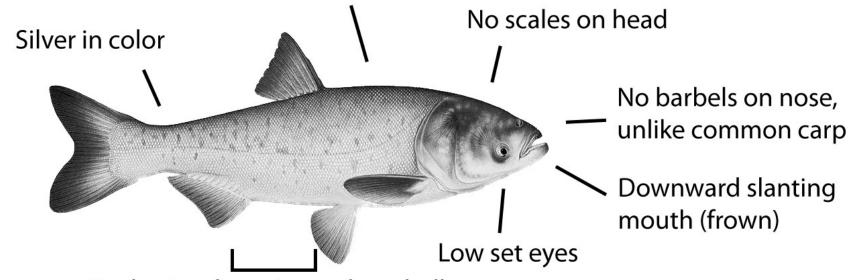


USGS NAS

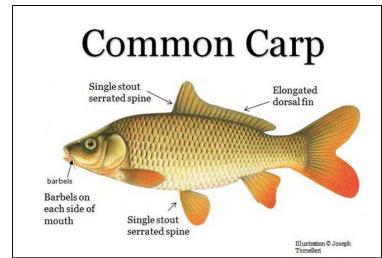


Bighead Carp

Dark blotches along the back (dorsal) region



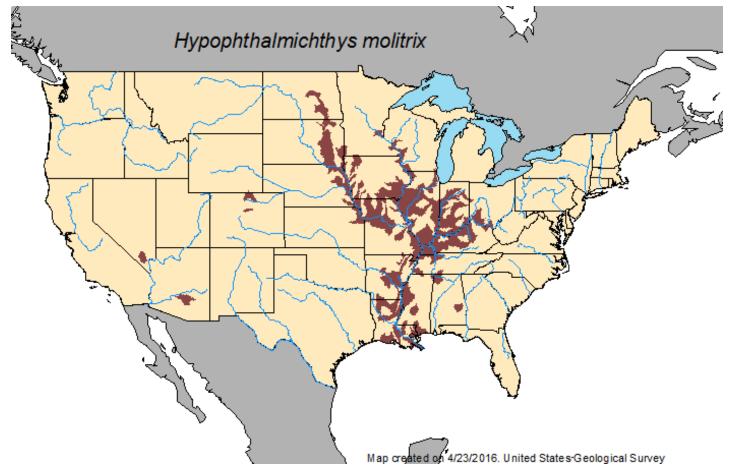
Keel extends partway along belly

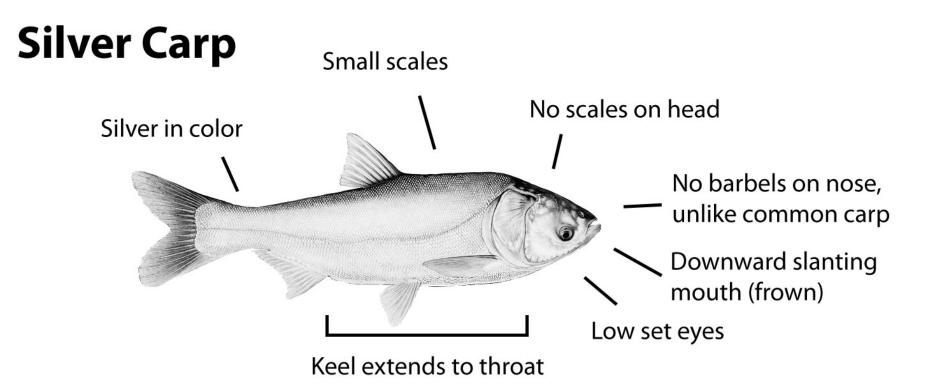


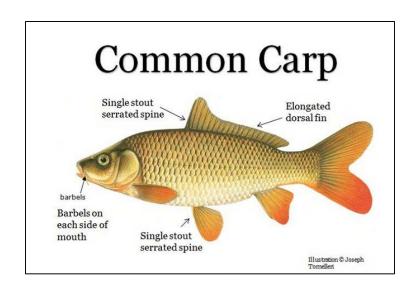
Silver Carp











Juvenile Silver Carp



Juvenile Bighead Carp



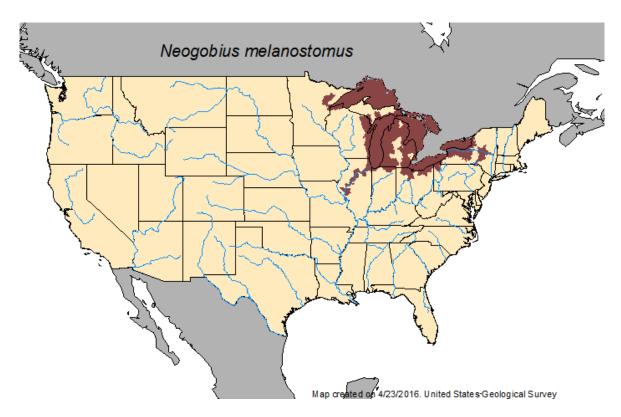
A noticeable keel (ridge on the underbelly) with no scales that extends from the gills to the anal fin Eyes are positioned below the line extending from tail to snout

Juvenile Invasive Carp illustrations by Emily Damstra.



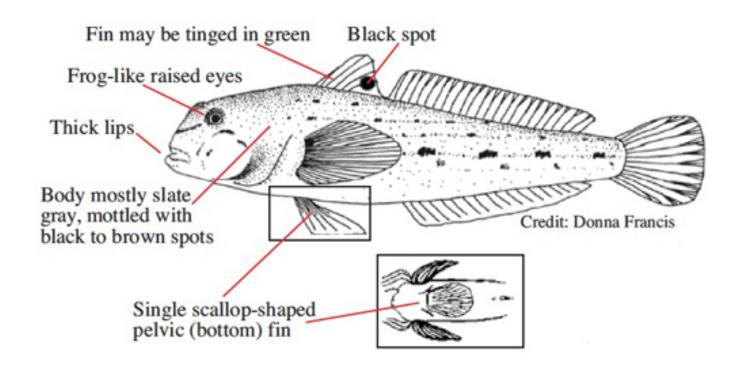
Round Goby





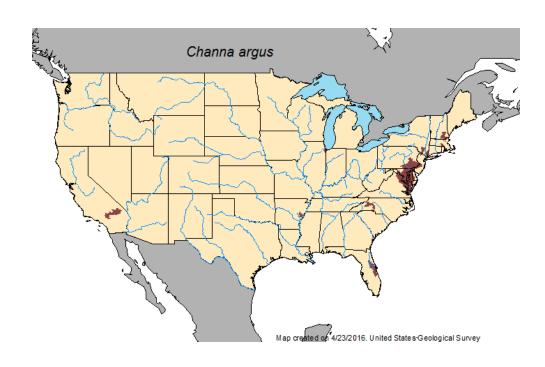
Round Goby

- No other native fish in the Great Lakes has the single pelvic fin
- Young are solid slate gray, older fish are blotched with black and brown
- Usually 3-6 inches (7-15 cm) long, may be up to 10 inches (25 cm)



Northern Snakehead



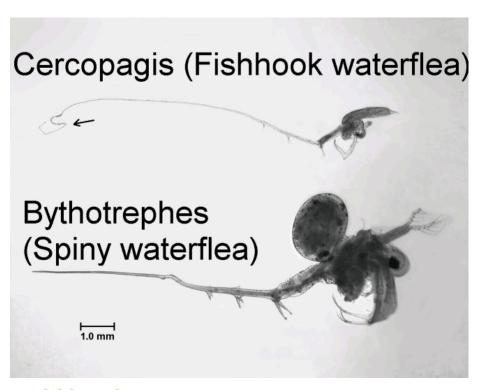






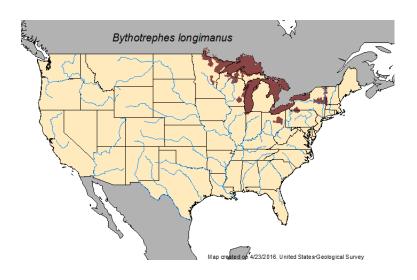
courtesy of Virginia Department of Game and Inland Fisheries

Spiny waterflea and Fishhook waterflea



USGS NAS





Spiny waterflea and Fishhook waterflea

- 1/4 5/8 in (5-15mm) total length
- Clumps look and feel like gelatin or cotton batting with tiny black spots
- Prefer deep lakes, but can establish in shallow waterbodies and rivers
- Abundant during summer (June-September) depending upon water temperatures

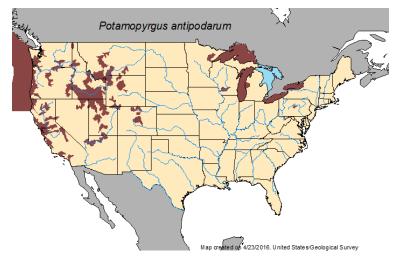


New Zealand mudsnail





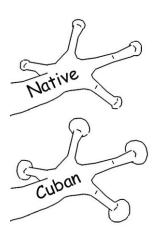
USGS NAS



Cuban treefrog



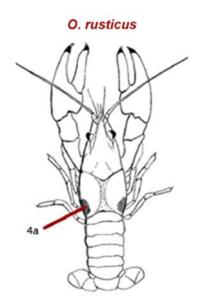




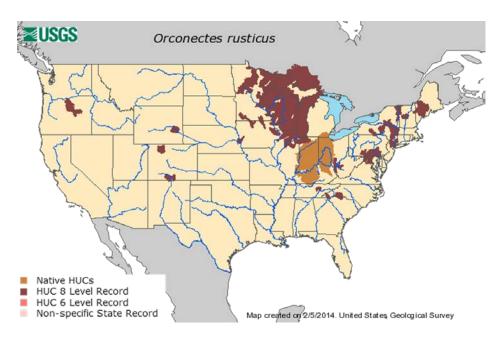


Rusty crayfish

- Robust claws
- Dark, rusty spots on each side of carapace (variable)
- No light colored stripe along back of tail
- Black bands at claw tip









Updated Invasion Risk Assessment For Ponto-Caspian Fishes To The Great Lakes



Report observations and search maps at:

www.NYimapinvasives.org

