

# HELP PREVENT THE ENTRY OF **ASIAN CARPS**

**REPORT SIGHTINGS**  
TO THE INVADING SPECIES HOTLINE

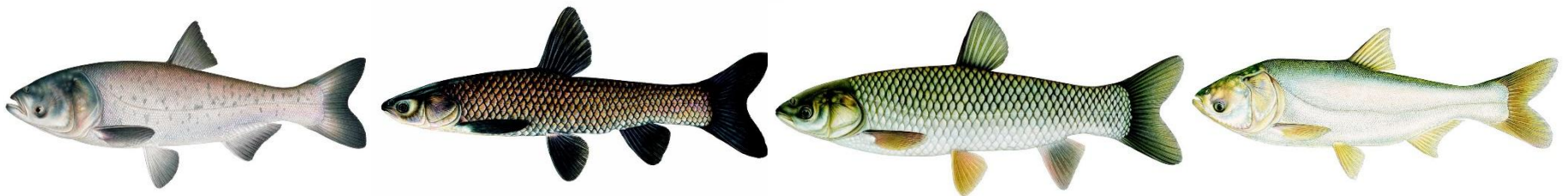
**1-800-563-7711**  
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## Help Prevent the Entry of Asian Carps

# What are Asian Carps

- The term 'Asian Carps' includes four species: Bighead, Silver, Grass and Black
- Brought from Asia to North America in the 1960s and 70s
- Migrating north through the U.S. waterways towards the Great Lakes
- Preventing Asian Carps from spreading into the Great lakes is the best way to prevent harm to Ontario's native fish



# Asian Carp

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What is it?

✂ Four Asian Carp species of concern in North America:

✂ Grass Carp

✂ Silver Carp (jumping carp)

✂ Bighead Carp

✂ Black Carp

✂ Native to eastern Asia

Photo: US Fish and Wildlife Service



Pathway of Introduction and Spread

✂ Imported into the U.S. for algae control in aquaculture ponds

✂ Escapes from aquaculture facilities

✂ Accidental release due to stock contamination

✂ In 2005 the live possession of all four Asian carp species were banned

# Grass Carp – Characteristics

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Photo copyright Richard T. Bryant, from USGS

- ☞ Up to 1.5m long and 36 kg
- ☞ Large scales appear crosshatched
- ☞ Eyes sit even with the mouth
- ☞ No spines in dorsal and anal fins
- ☞ No barbels
- ☞ Olive brown back blending to white down sides to belly

# Silver Carp – Characteristics



David Reicks, University of Illinois, IN Sea Grant

- ☞ Up to 0.9 m long and 27 kg
- ☞ Light silver with white belly
- ☞ Eyes sit below mouth
- ☞ No barbels
- ☞ \*Smooth keel (raised line running along belly) from base of gills to anal fin\*
- ☞ Can jump up to 3 m out of water



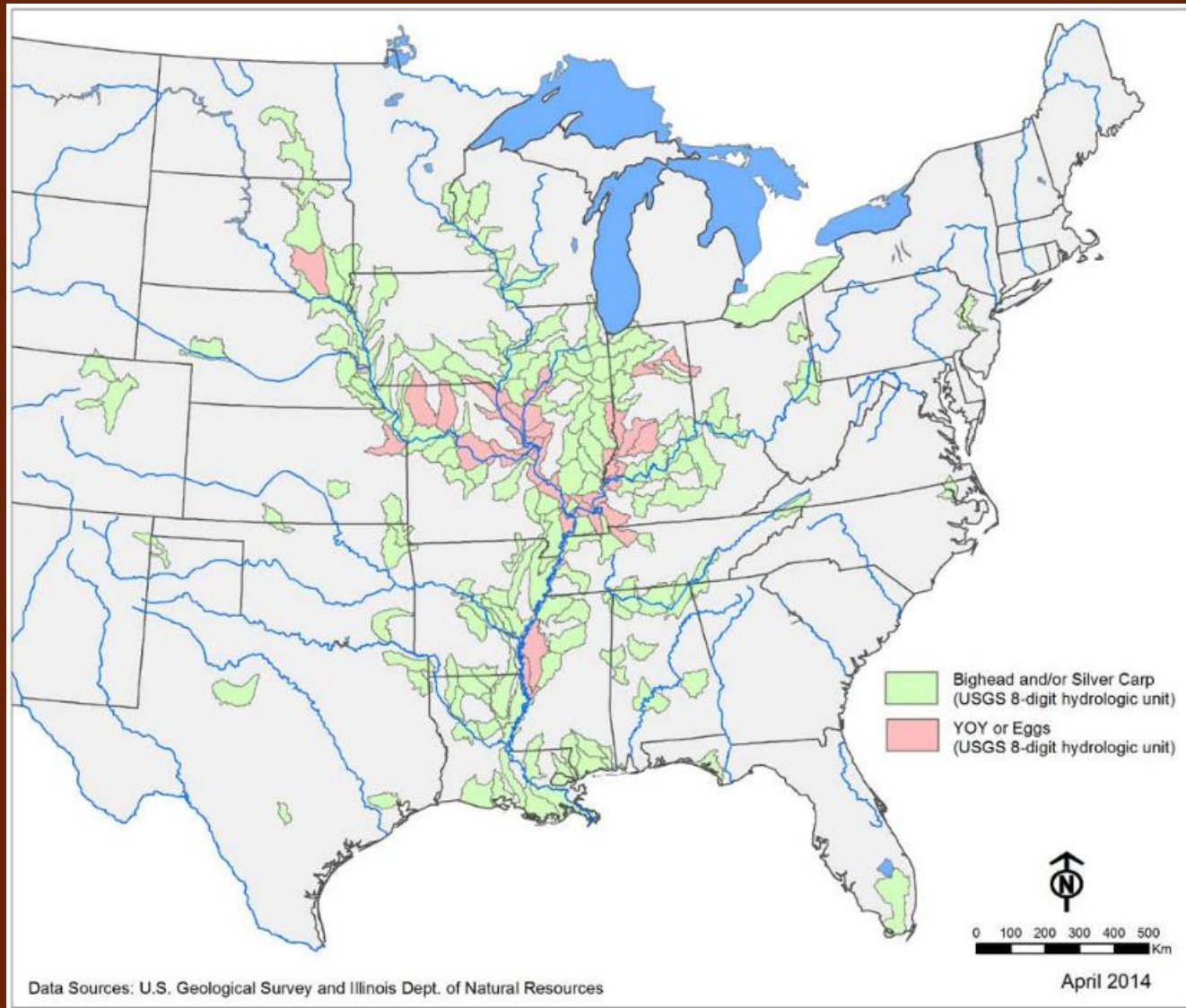
# Bighead Carp– Characteristics



Department of Fisheries and Oceans Canada

- ☞ Up to 1.5 m long and 41 kg
- ☞ Very large head and toothless mouth
- ☞ Adults are dark grey with dark mottling
- ☞ Eyes sit below mouth
- ☞ No barbels
- ☞ \*Smooth keel (raised line running along belly) only between pelvic and anal fins\*

# Bighead & Silver Carp – Distribution



# Black Carp – Characteristics



- ☞ Up to 1.5 m and 70 kg
- ☞ Dark brown to black on back and sides; some white on belly
- ☞ Scales appear crosshatched; fins are all dark
- ☞ Eyes sit even with mouth
- ☞ Small mouth; no barbels
- ☞ No keel (raised line running along belly)



# Prevention and Early Warning

- In 2012 Fisheries and Ocean's Canada allocated 17.5 million dollars over five years for Asian Carp management and prevention.
- The OFAH committed \$450,000 over two years to support an Asian Carp awareness campaign.
- Campaign objectives include, prevention and early warning of Asian Carps into the Canadian Great Lakes.



# Education and Outreach

- Products include:
  - Billboard signage in high traffic areas and borders
  - Boat launch signage
  - Video public service announcements (PSA's)
  - Radio PSA's
  - News paper advertisements
  - New web content
  - Creation and production of new and existing education materials
  - Enhancement of reporting tools including Invading Species Hotline and EDDMapS Ontario.

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### ASIAN CARPS TO WATCH OUT FOR



GRASS CARP



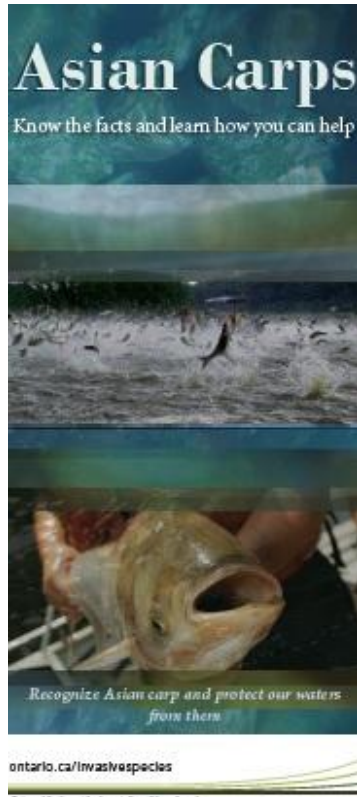
BLACK CARP



SILVER CARP



BIGHEAD CARP



Cette publication est également disponible en français.



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### ASIAN CARPS TO WATCH OUT FOR



GRASS CARP



BLACK CARP



SILVER CARP



BIGHEAD CARP





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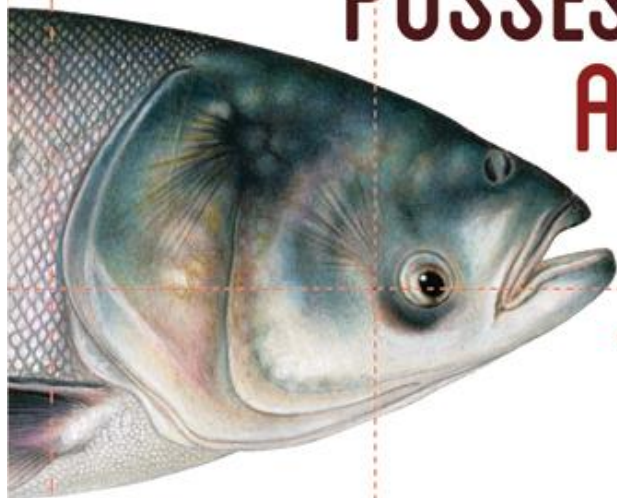
PROTECT OUR WATERS, REPORT POTENTIAL  
**ASIAN CARPS** SIGHTINGS

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# POSSESSION OF LIVE ASIAN CARPS IS ILLEGAL



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**YOU COULD BE FINED OR EVEN GO TO JAIL**

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# Monitoring and Surveillance

- Strategic surveillance activities within the Lake Erie basin
- Water samples for environmental DNA (eDNA)
- Monitor as part of fisheries assessment programs, including;
  - Commercial fishery monitoring
  - Index netting
  - Near shore seining
  - Open water trawling
  - Creel surveys
  - Electrofishing in the Great Lakes and key tributaries



# Management

- Asian Carp management Team – managers and staff from MNRF and DFO
- MNRF is a member of the Asian Carp Regional Coordinating Committee (ACRCC)
- The ACRCC is a regional coordinating body led by the White House Council on Environmental Quality and includes all U.S. and Canadian federal agencies, state and provincial resource agencies involved in Asian Carp prevention and management.

# Enforcement

- MNRF inspects fish markets to ensure Asian Carps (and other invasive species) are being sold dead.
- Collaborate with Canada Border Services Agency to inspect shipments into Canada



# Current Prevention

