

Asian carp and the Great Lakes

Sheyda Esnaashari
Water Policy Strategist
Alliance for the Great Lakes

The Great Lakes Basin



THE GREAT LAKES ARE
THE LARGEST
SURFACE FRESHWATER SYSTEM
IN THE WORLD



...including 18% of the world's supply.

THE
GREAT
LAKES
HOLD
5,500
CUBIC
MILES

*...including 90% of
North America's supply.*



CREDIT: THE NATURE CONSERVANCY

THE GREAT LAKES PROVIDE DRINKING WATER TO OVER **40 MILLION** PEOPLE



...including 1 in 10 Americans



...and 1 in 4 Canadians. ³

Photo credit: Jason Lindsey, Prairie Rivers Network



A Brief History of Asian Carp

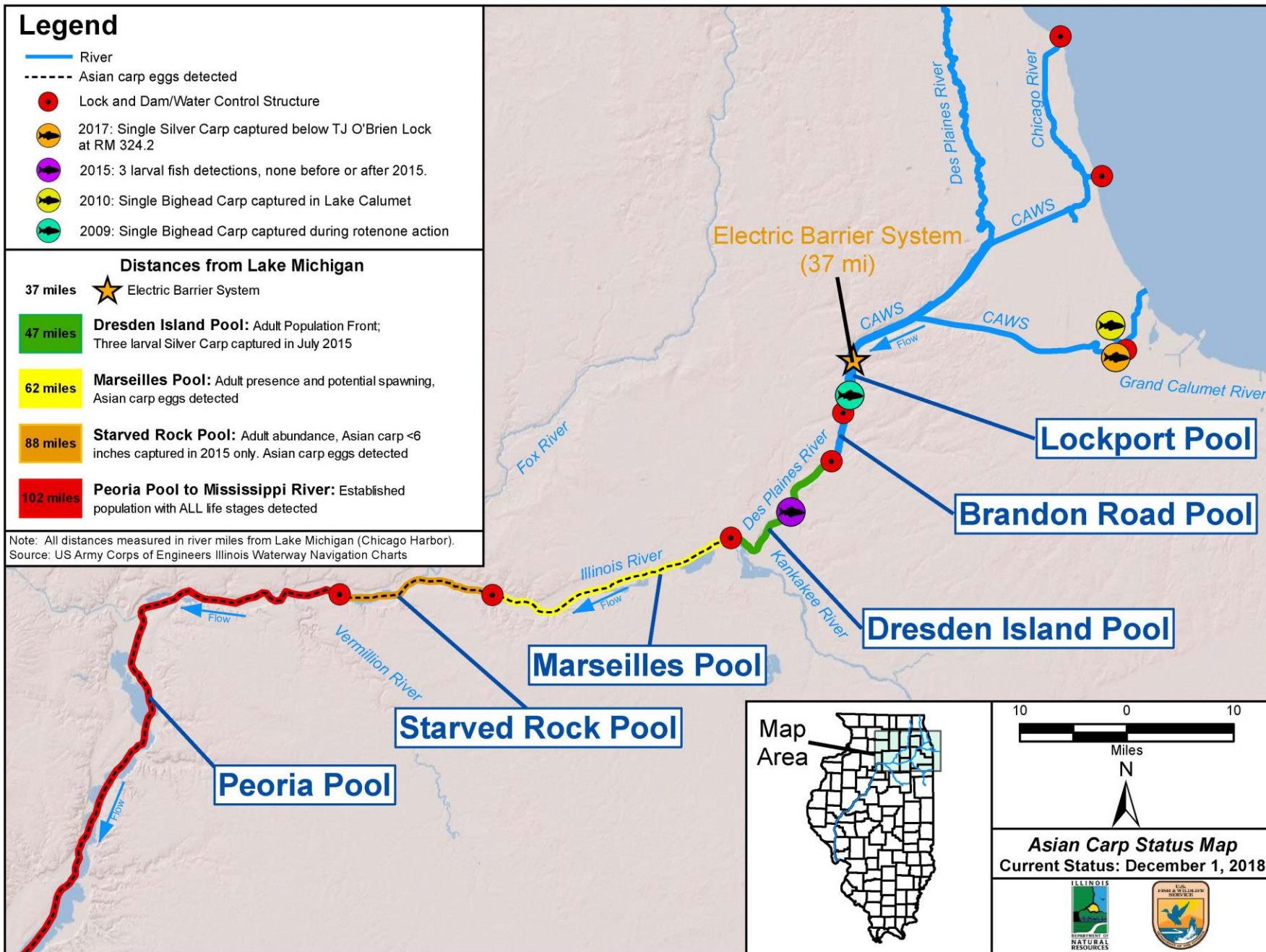
Legend

- River
- - - - Asian carp eggs detected
- Lock and Dam/Water Control Structure
- 2017: Single Silver Carp captured below TJ O'Brien Lock at RM 324.2
- 2015: 3 larval fish detections, none before or after 2015.
- 2010: Single Bighead Carp captured in Lake Calumet
- 2009: Single Bighead Carp captured during rotenone action

Distances from Lake Michigan

- ★ 37 miles Electric Barrier System
- 47 miles **Dresden Island Pool:** Adult Population Front; Three larval Silver Carp captured in July 2015
- 62 miles **Marseilles Pool:** Adult presence and potential spawning, Asian carp eggs detected
- 88 miles **Starved Rock Pool:** Adult abundance, Asian carp <6 inches captured in 2015 only. Asian carp eggs detected
- 102 miles **Peoria Pool to Mississippi River:** Established population with ALL life stages detected

Note: All distances measured in river miles from Lake Michigan (Chicago Harbor).
Source: US Army Corps of Engineers Illinois Waterway Navigation Charts



Electric Dispersal Barriers – Romeoville, IL

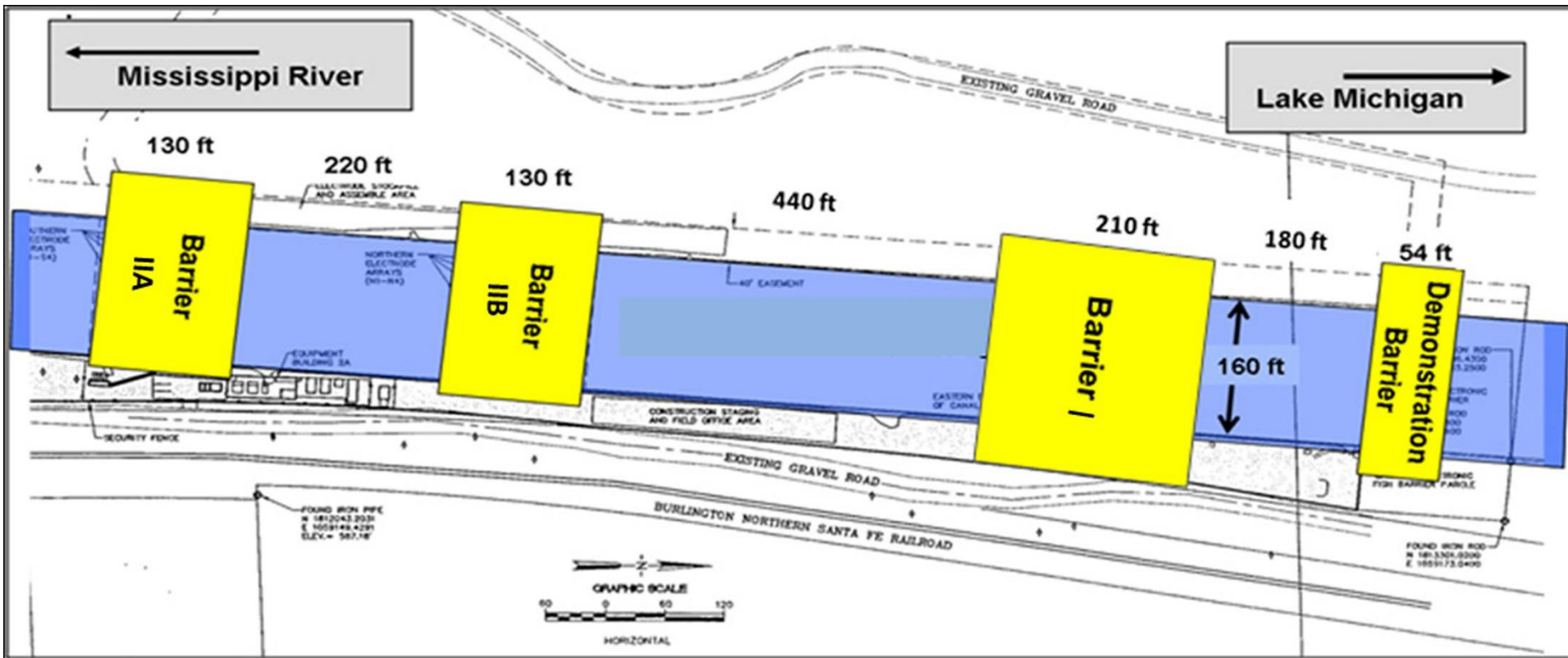


Image Credit: U.S. Army Corps of Engineers



The GLMRIS Report

Great Lakes and Mississippi River Interbasin Study



USACE
01/06/2014



GLMRIS – Brandon Road



Photo credit: U.S. Army Corps of Engineers



Brandon Road Lock & Dam near Joliet, IL

To Lake Michigan



Boat Launches,
Upstream

Flushing Lock

Engineered Channel

Acoustic Fish
Deterrent

Support Facility

Air Bubble
Curtain

Electric Barrier in
Engineered Channel

Des Plaines River

Dresden
Island Pool

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Next Steps - Federal



Next Steps - States



Thank you!

Contact:

Sheyda Esnaashari | Water Policy Strategist
sesnaashari@greatlakes.org | 312.445.9739

Molly Flanagan | Vice President, Policy
mflanagan@greatlakes.org | 312.445.9741