Ohio AIS Update

Ohio AIS Committee Organisms in Trade Session November 23, 2021

ODNR Division of Wildlife

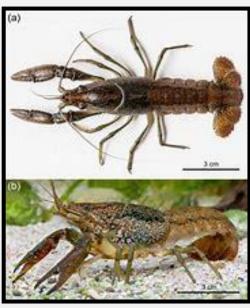
John Navarro

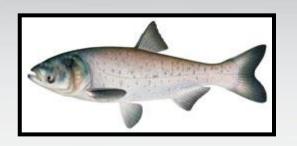
Aquatic Stewardship Program Administrator

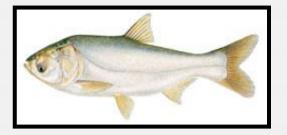


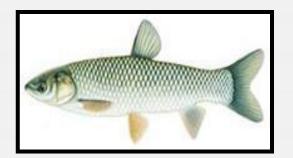
- Canals and Waterways
- Grass Carp Barrier
- Pet Trade





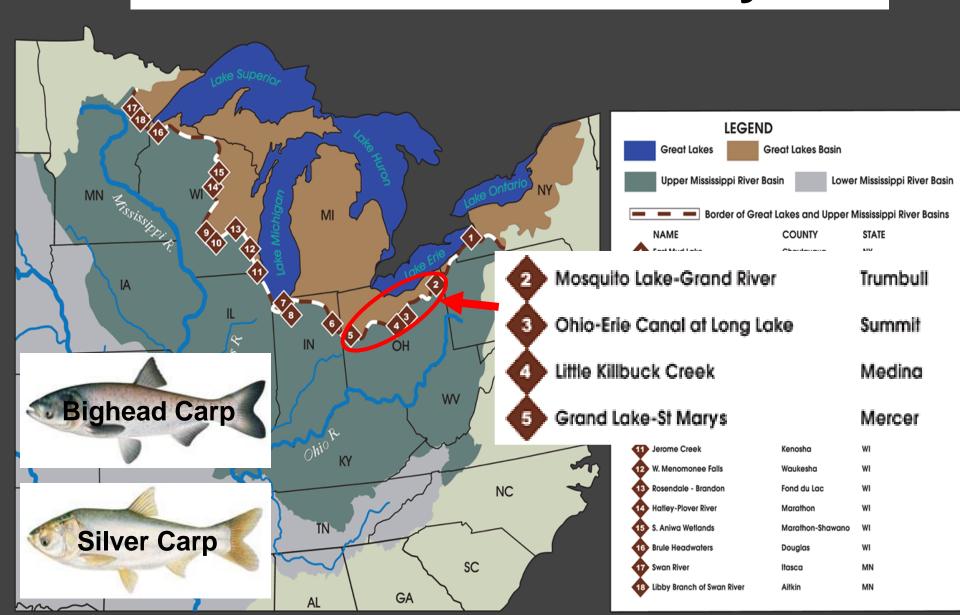








Canals and Waterways





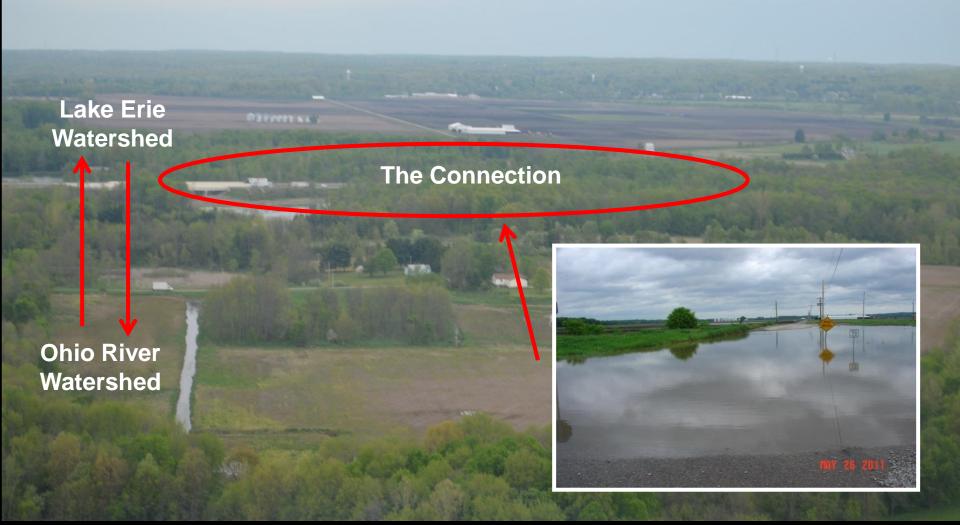


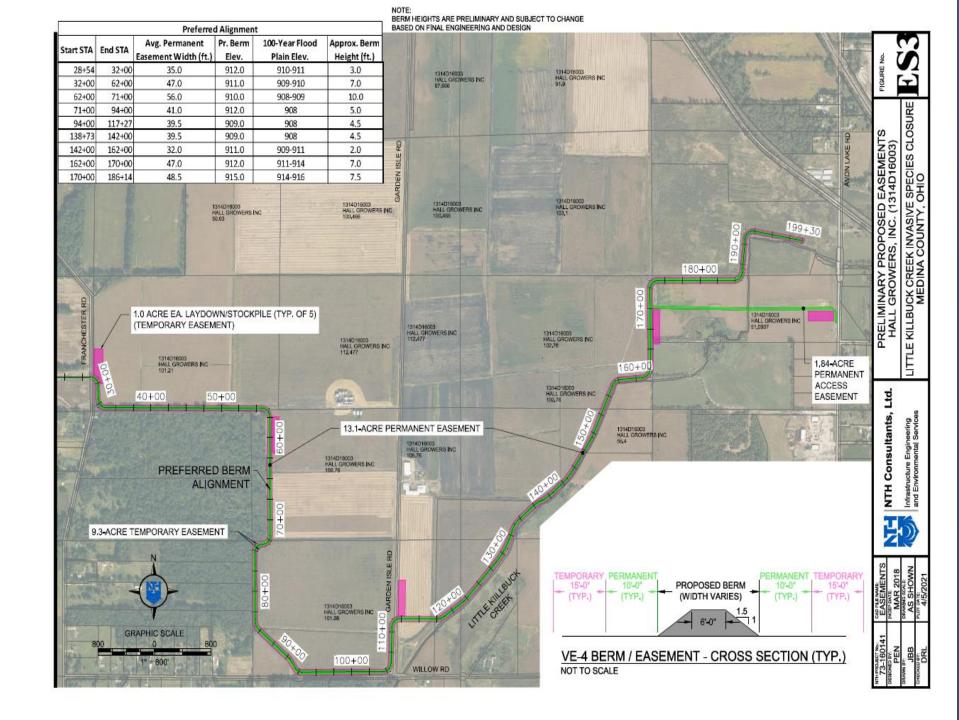






Little Killbuck Creek





Ohio Erie Canal:

- 3 Million Dollar Project
- Completed Construction in 2020
- ODNR Long-Term Maintenance



US Army Corps of Engineers

Buffalo District

BUILDING STRONG

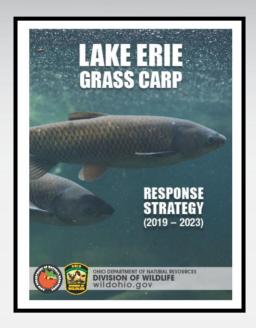
Little Killbuck Creek

- Project Cost Based on Final Design
- Landowner negotiation / acquisition
- Final design
- Construction
- Closure in 2025



Pathway Progress:
Ohio Hydrologic Separations

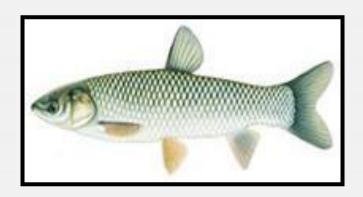




Grass Carp

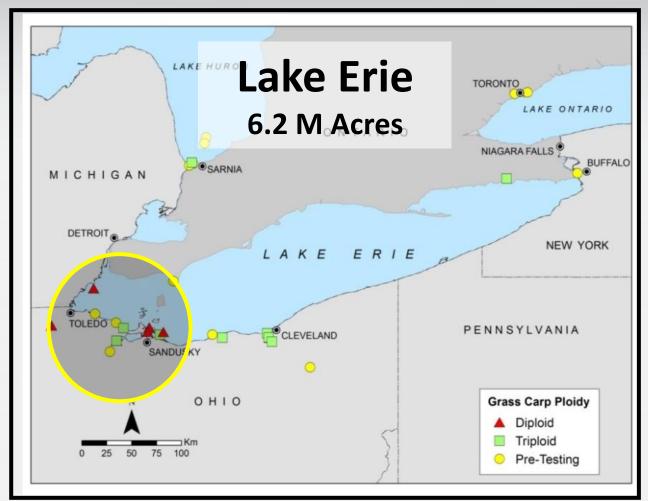
Goal 1: Prevented Expansion Beyond Western Basin of Lake Erie

Goal 2: Prevent Population from reaching levels that compromise aquatic communities.



- Removal 390
- Behavioral Barrier

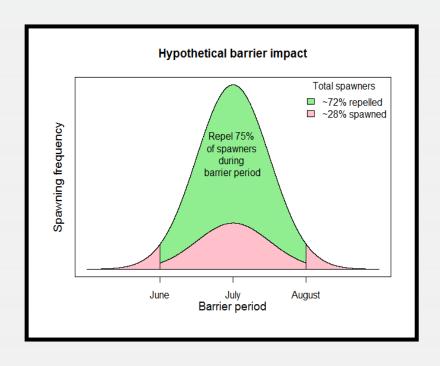






Barrier Evaluations

 Goal: Reduce the reproductive potential to amplify the effects of removal and other possible control technologies.

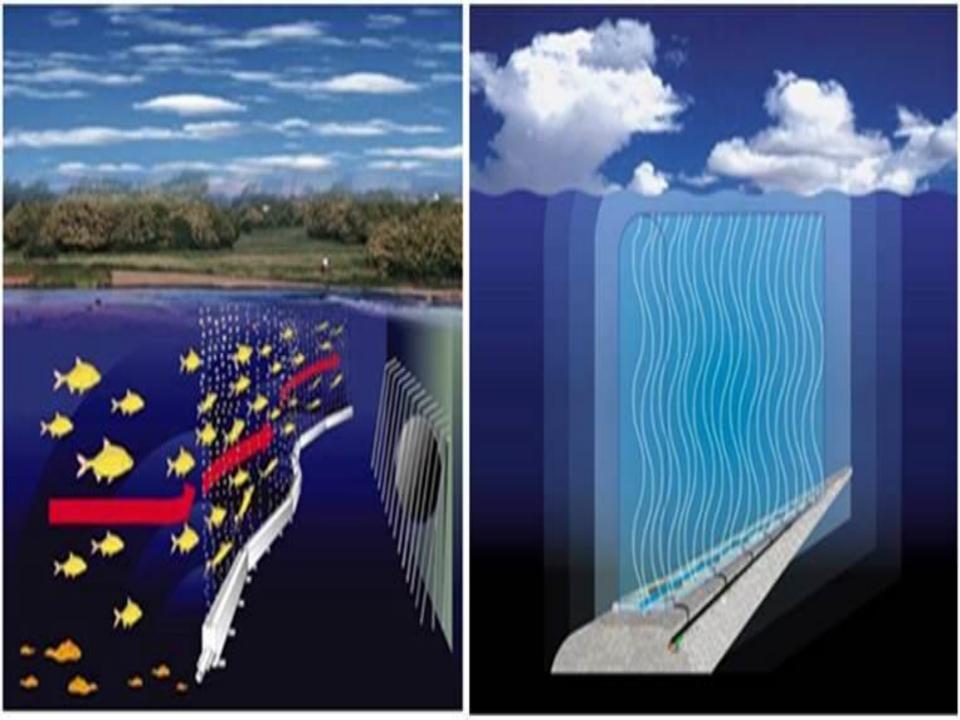


Barrier Type:

- Acoustic
- Light
- Air Bubble







Marbled Crayfish



Injurious Aquatic Invasive Species

Marbled Crayfish (Procambarus virginalis)

- Spread of the marbled crayfish through the pet trade increases the probability of it being released into natural ecosystems, harming native wildlife.
- It is the only known decapod crustacean species to reproduce through parthenogenesis, and therefore, all individuals are female and only one is needed to establish a new population.





Marbled Crayfish





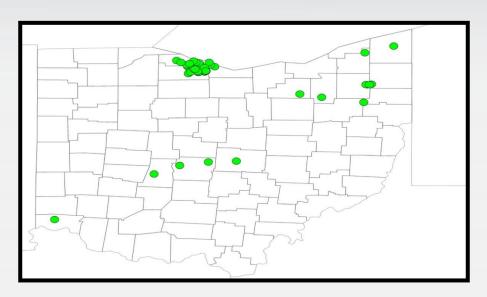


- Two Cases Pending
- Ebay Transactions
- 96 Transactions
- 2 years Period
- 31 States





Redswamp Crayfish



- Main invasion: Lake Erie Sandusky Bay
- Winous Point Shooting Club Epicenter
- Present for approximately 50 years
- Throughout SB and along coast (750 km2)



What We Know

- Widespread, established, and abundant
- Prefer soils with high organic content
- Low gradient ditches are a dispersal route
- Six other burrowing crayfish encountered
- Out competing other burrowing crayfish







Butler County MetroParks





