

Ohio AIS Update

Lake Erie Grass Carp Adaptive Response Strategy
2024-2028



Photo source: R. Mapes, University of Toledo - Lake Erie Center

Lake Erie Committee
Great Lakes Fishery Commission
December 2023

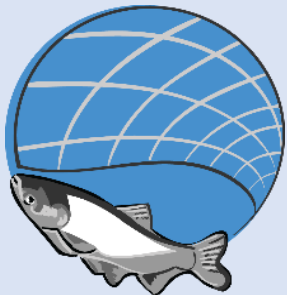
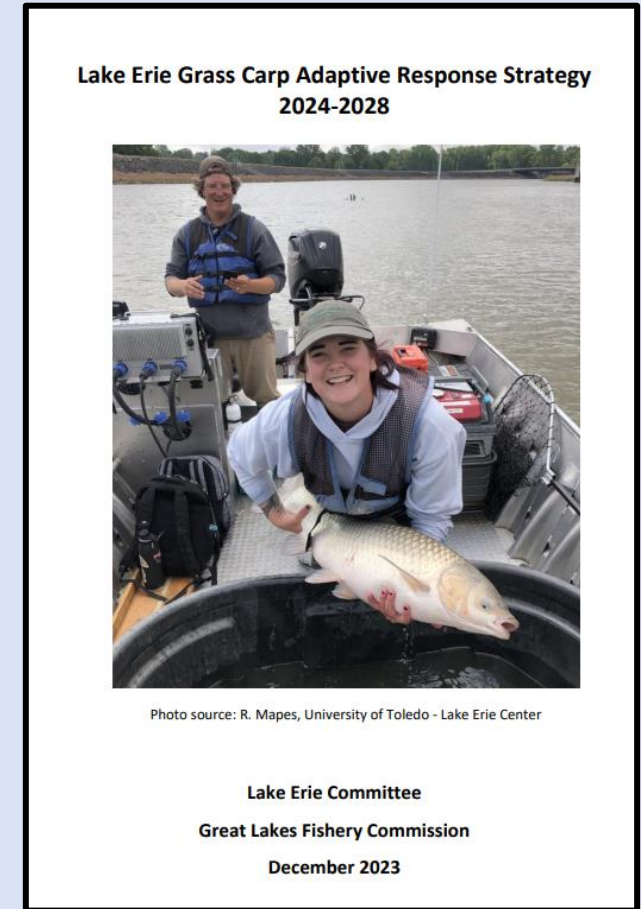


- Grass Carp Update
- GLMRIS Focus Area 2 in Ohio

*ODNR Division of Wildlife
John Navarro, AIS Program Administrator*



Grass Carp Partnership



Invasive Carp
Regional
Coordinating
Committee



Adaptive Response Strategy

Lake Erie Grass Carp Adaptive Response Strategy 2019-2023



Photo source: J. Francis, Michigan Department of Natural Resources

Lake Erie Committee
Great Lakes Fishery Commission
December 2018

Lake Erie Grass Carp Adaptive Response Strategy 2024-2028

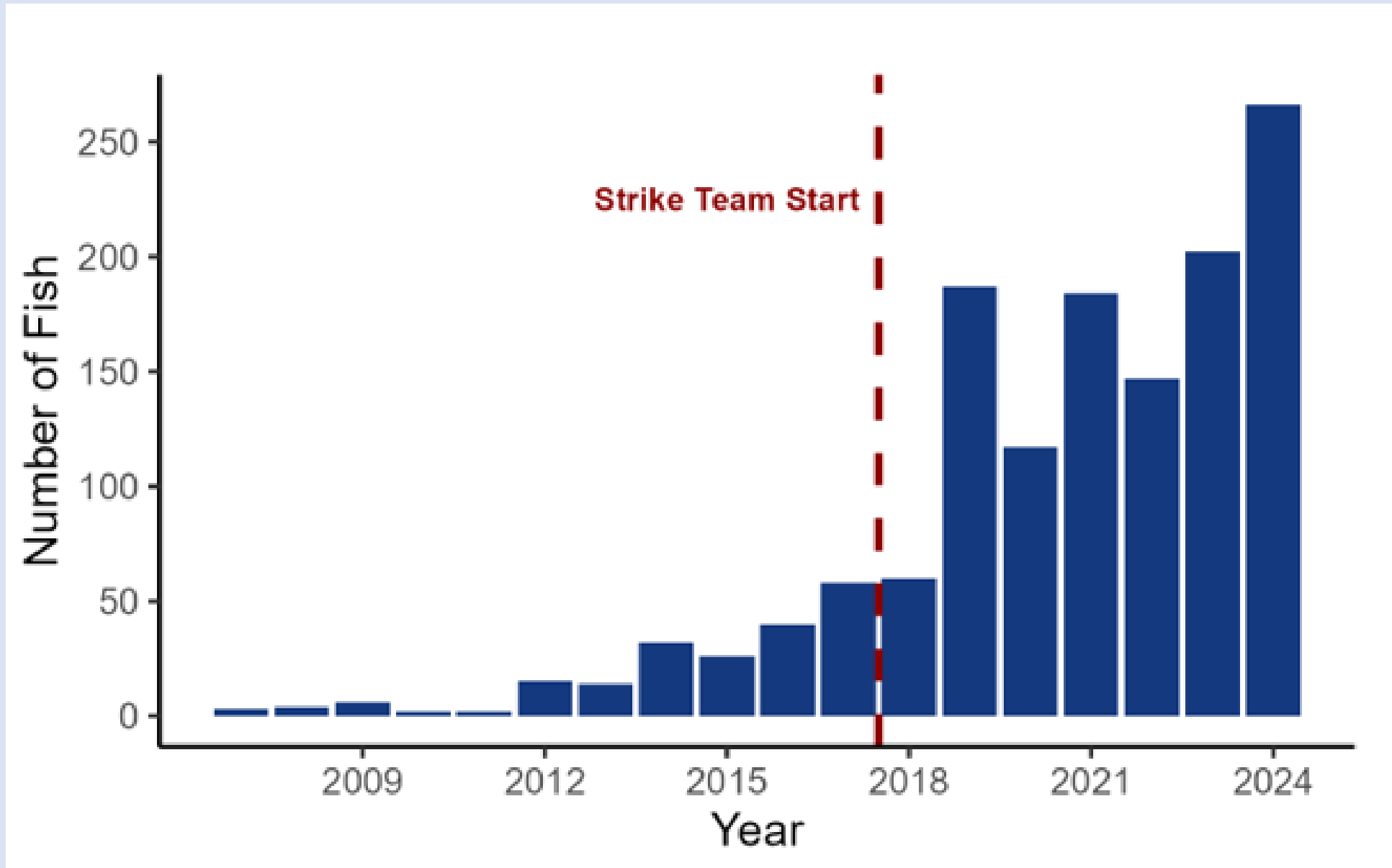


Photo source: R. Mapes, University of Toledo - Lake Erie Center

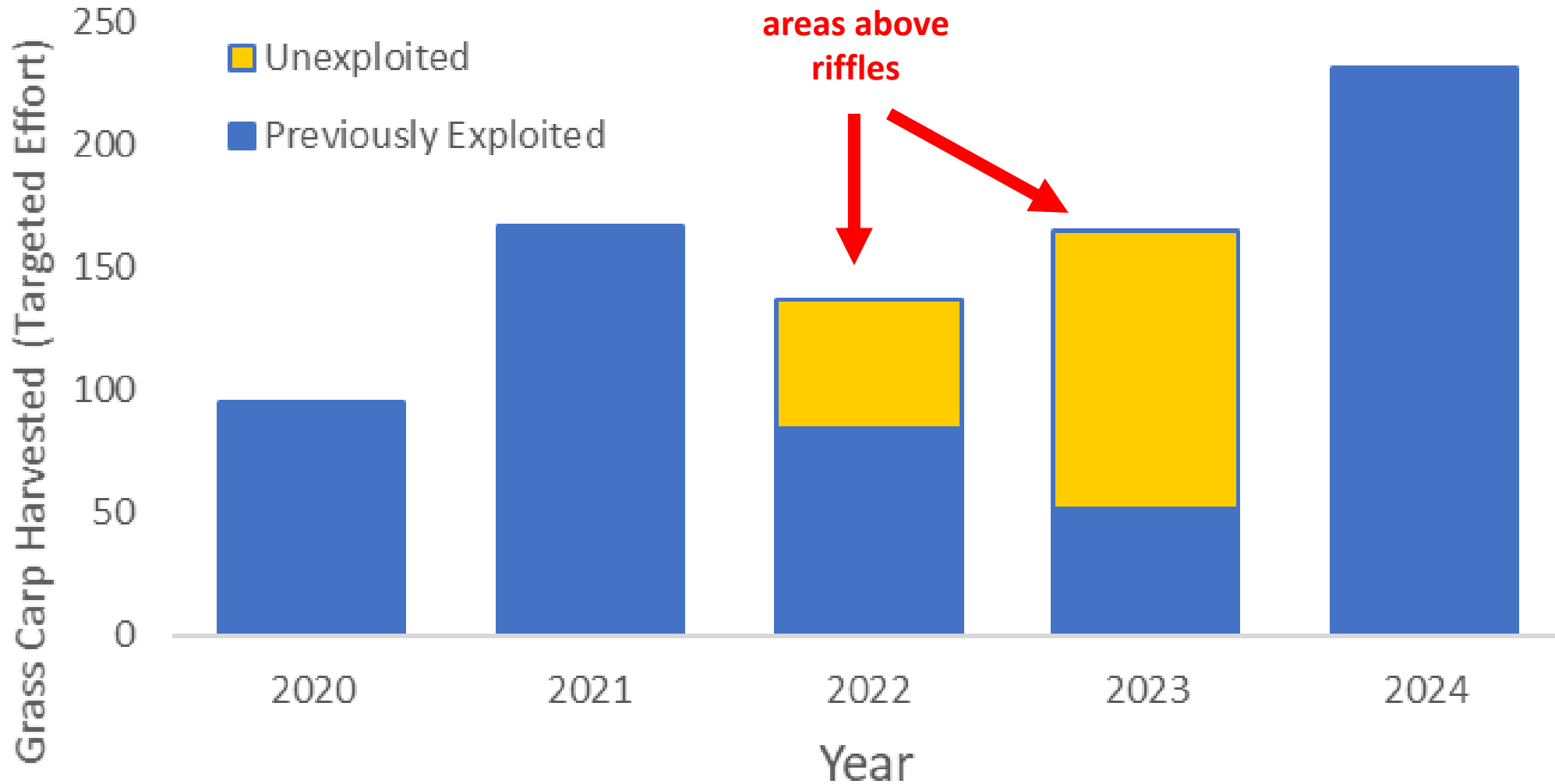
Lake Erie Committee
Great Lakes Fishery Commission
December 2023

Guide interagency partners in preventing Grass Carp from attaining densities capable of adverse effects in Lake Erie

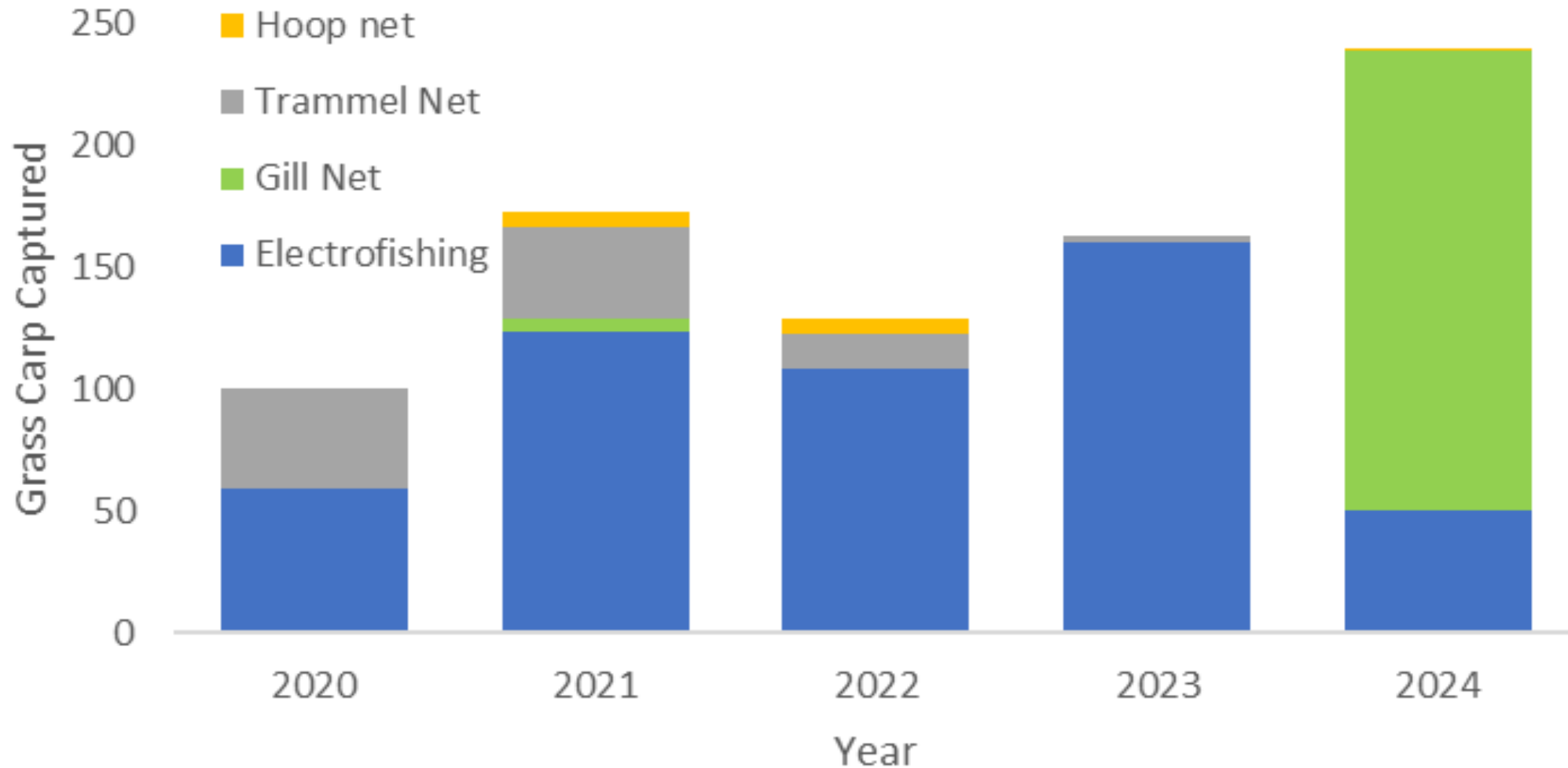
Total Number of Grass Carp Captured



2022 & 2023 Harvest Driven by Unexploited Areas, Upstream of Riffles



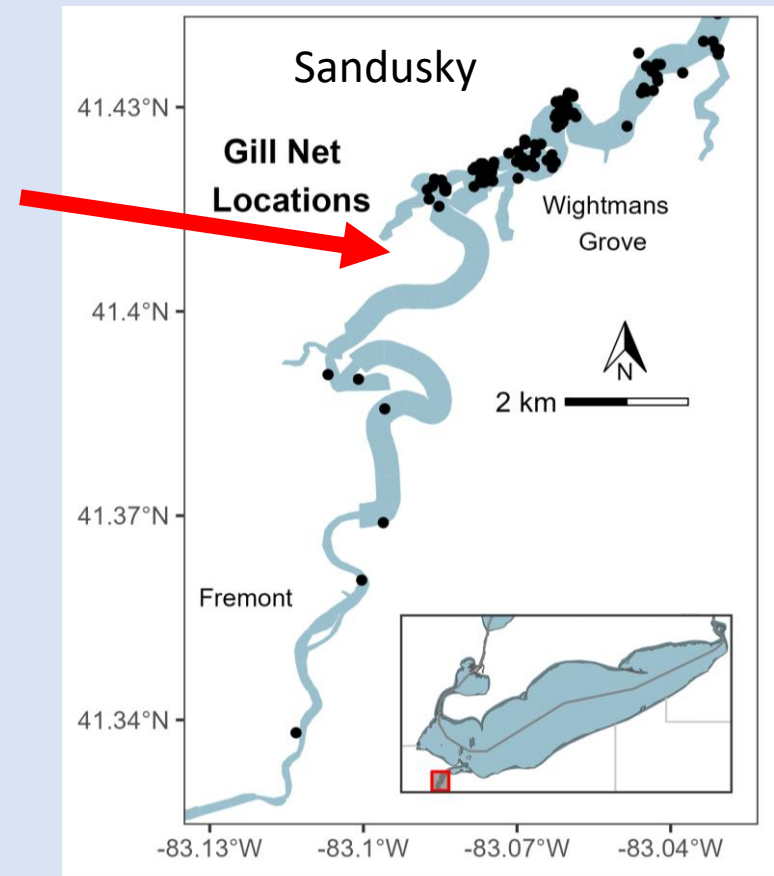
2024 Harvest Driven by New Gear Type, Guided by Telemetry & Habitat



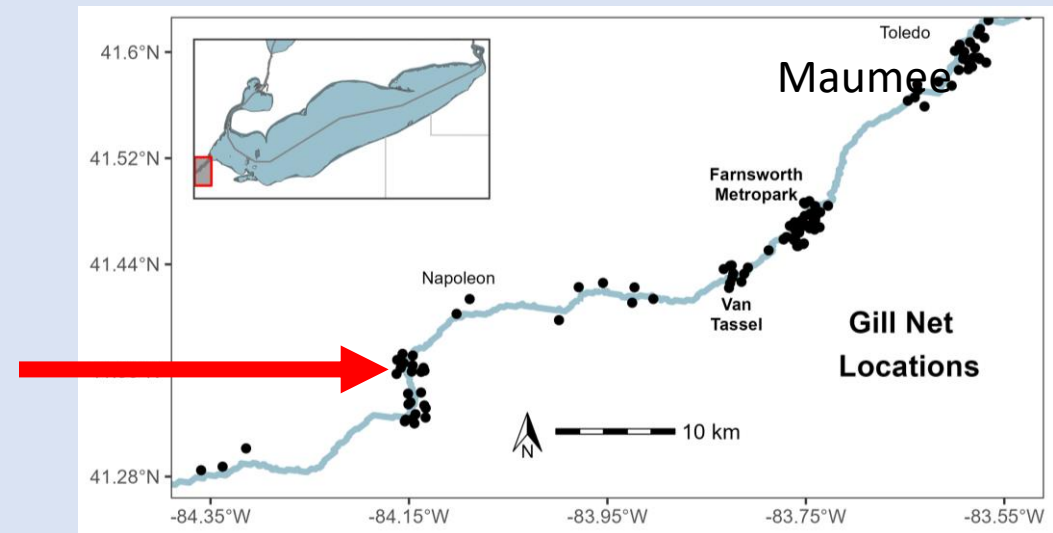
2024 Gill Nets

- Fished areas of known Grass Carp movement (telemetry, habitat maps & previous catch) where efishing is ineffective
- Time efficient, < ~1 hour for net set & retrieval time

outside
backwaters

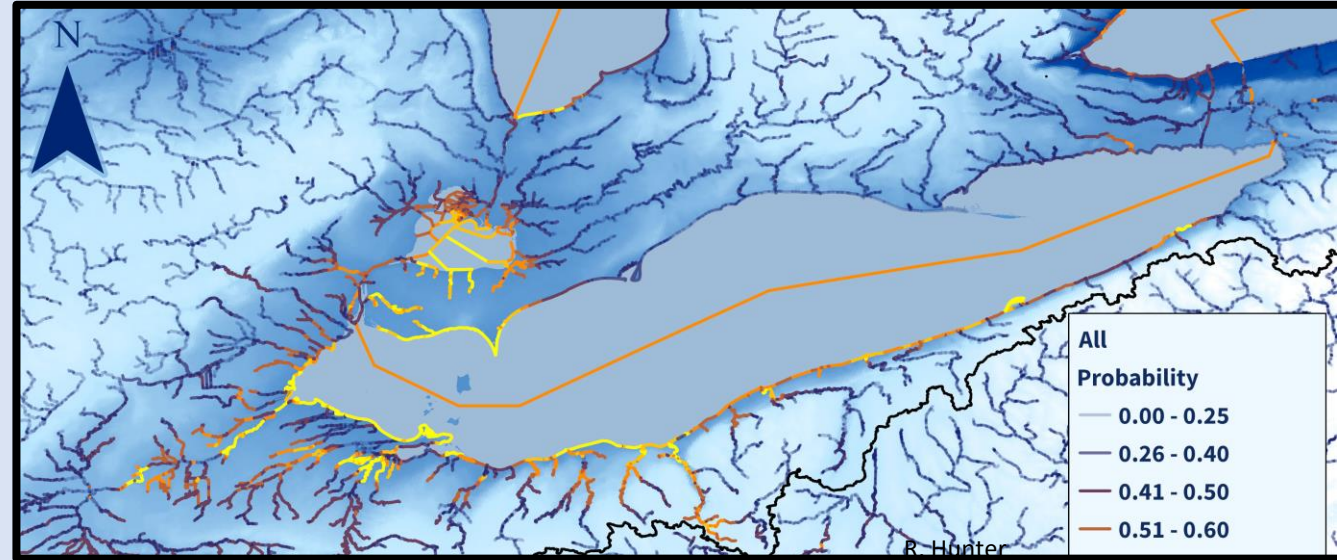


Deep pools
between
riffles



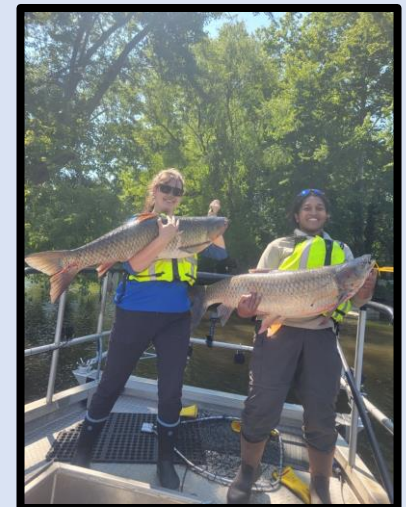
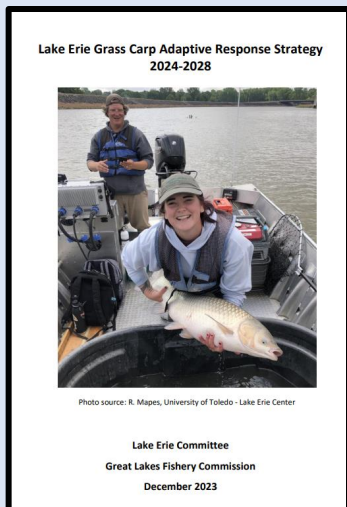
2025, Exploring New Locations

- Data streams (telemetry, habitat maps) guide search
- Rafts allow access to areas between riffles, without ramps
 - UT R/V *Tinca tinca* ready
 - US FWS future uncertain



Take Homes

- Work the plan through 2028
- Maumee and Sandusky yielding lower catch
- Access protected areas (e.g. pools above riffles, margins of backwaters)
- Telemetry information, habitat information, and small maneuverable vessels needed to guide gains outside river mainstems



GLMRIS: Focus Area 2



Ohio pathways

- 3** OH-Erie Canal (Long Lake)
- 4** Little Killbuck Creek
- 5** Grand Lake St. Marys
- 2** Mosquito Lake (Grand River)



Silver Carp



Bighead Carp

Medium Risk: Little Killbuck Creek

Aquatic Pathway Concerns

*Movement from Little Killbuck Creek (Ohio River Watershed)
to the Black River (Lake Erie Watershed)*



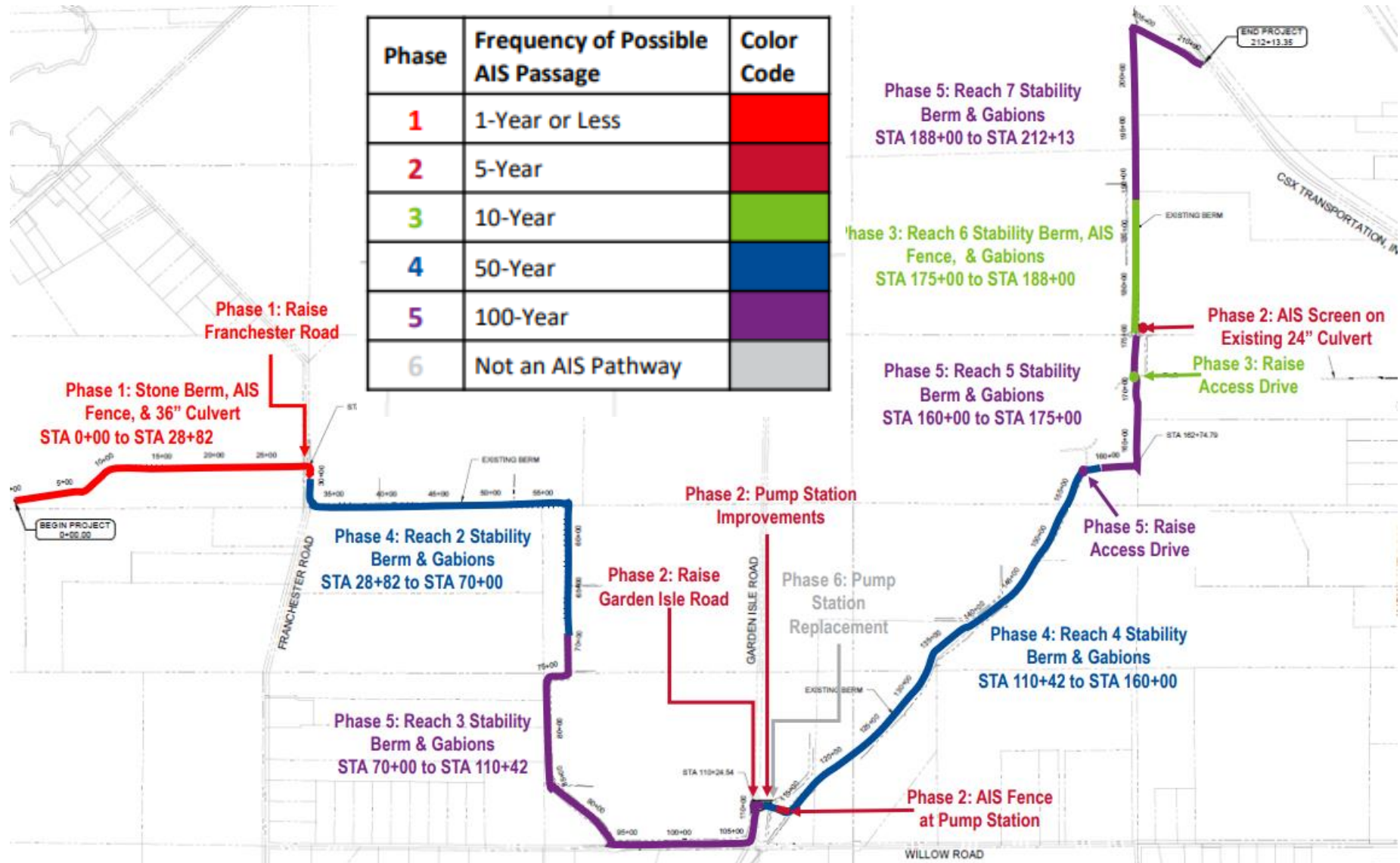
Medium Risk: Little Killbuck Creek

Risk Reduction Project (lead: ODNR)

- Construct or modify 4 miles of berm
- Two landowners
- Prioritize phases based on flood risk
- Complete construction of phase I in 2025 (\$3 M)
- Phase 2 will initiate in 2025 (\$3 M)



Medium Risk: Little Killbuck Creek



Summary

GLMRIS Focus Area 2 in Ohio: Risk Reduction Advancing

- ✓ Participating in the Brandon Road L&D Effort
- ✓ Medium Risk: OH-Erie Canal Completed May 2020
- ✓ Medium Risk: LKC phase 1 construction completed 5/25
- ✓ Low Risk: both projects off the books

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