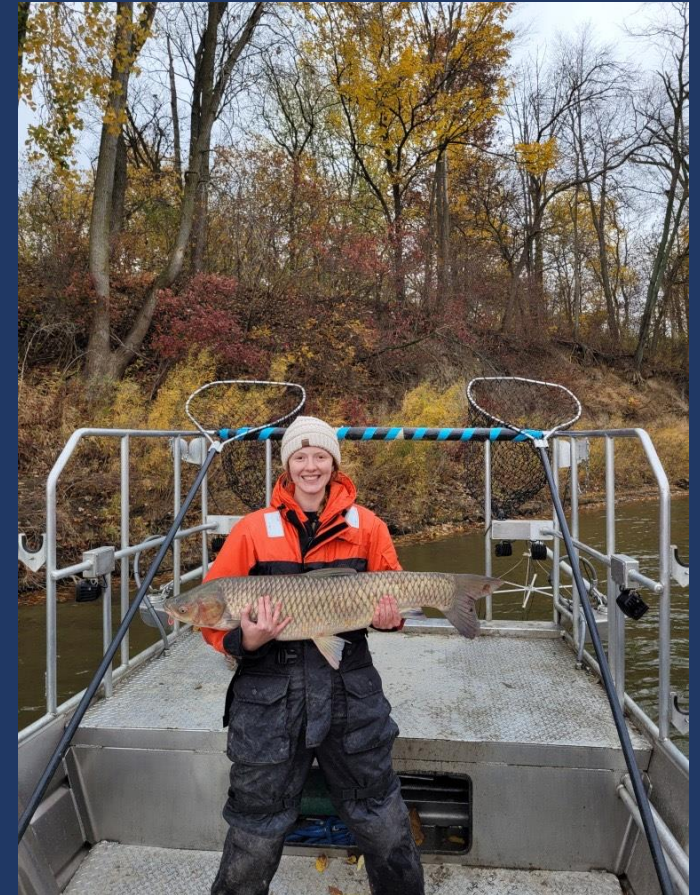


Grass Carp Strike Team Update

May 16, 2023

Robert Mapes



Outline

- Great Lakes Grass Carp History
- 2022 Field Season
- Task Group Updates
- Future Directions
 - 2023 Plans
 - Further Protocol Evaluation



Grass Carp Captures - 2018

CREWS

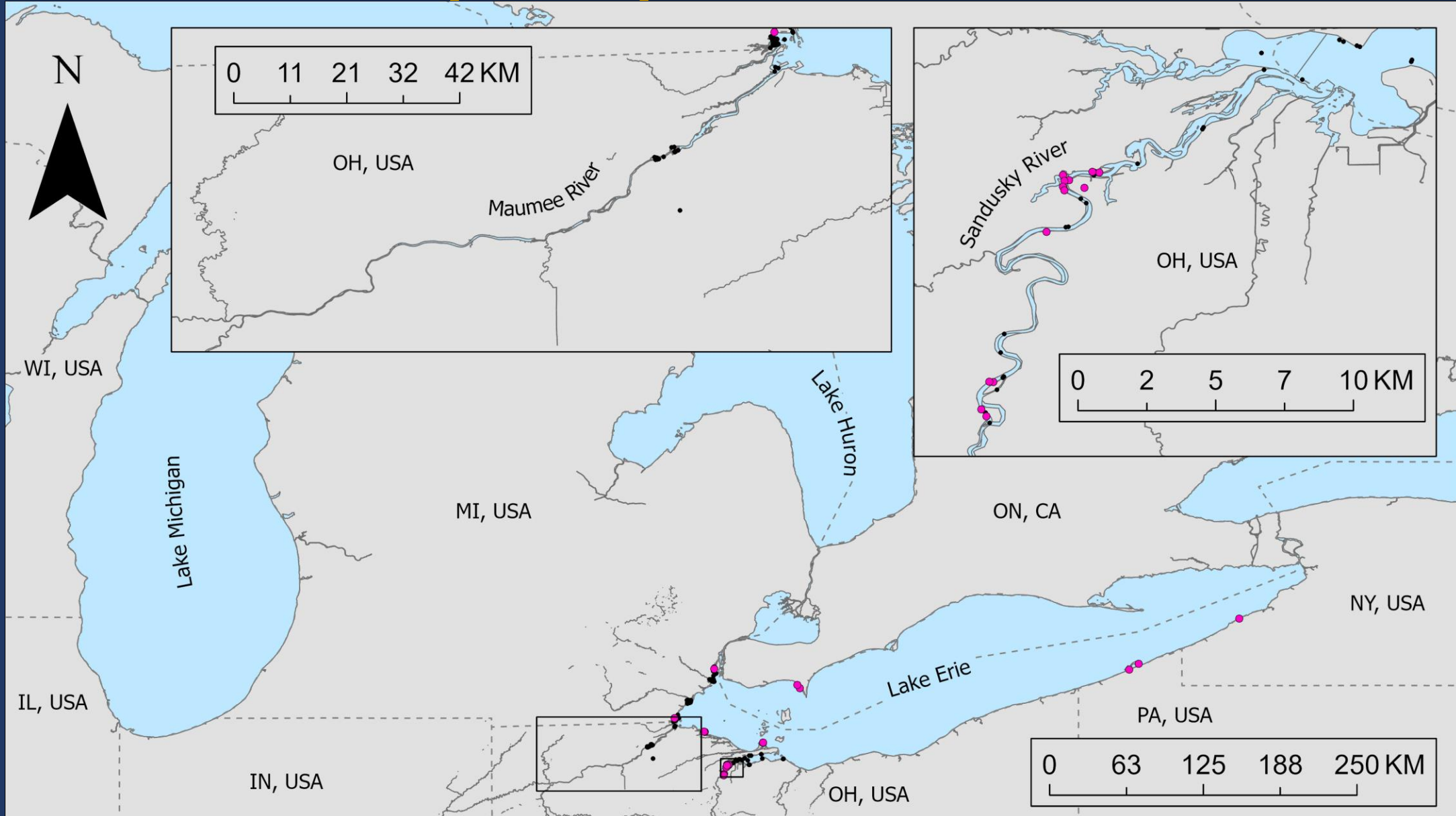


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MI



Grass Carp Captures - 2019

CREWS



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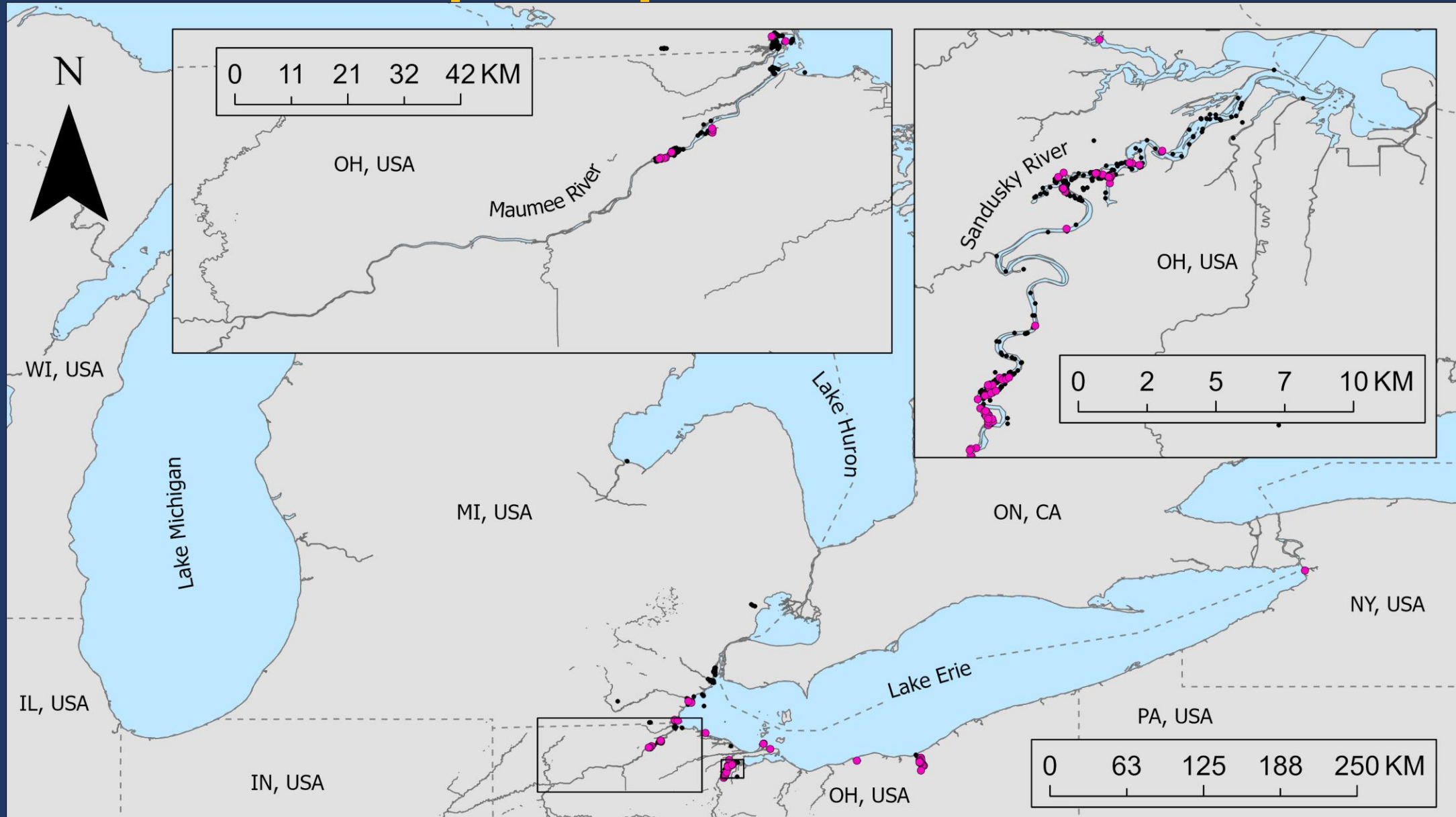


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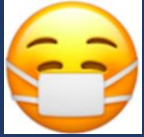


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Grass Carp Captures - 2020

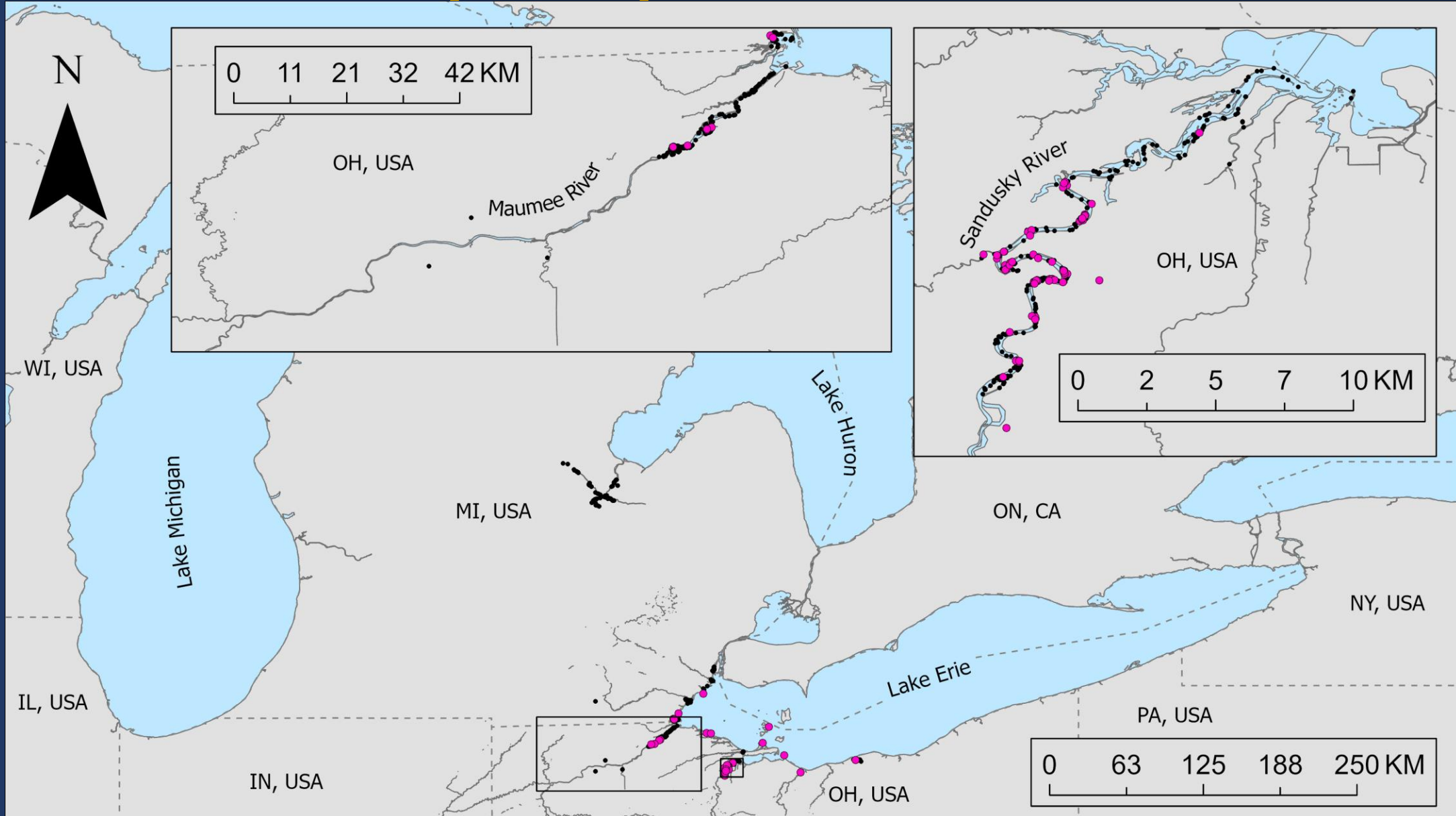
CREWS



MI



4



Grass Carp Captures - 2021

CREWS



2



2

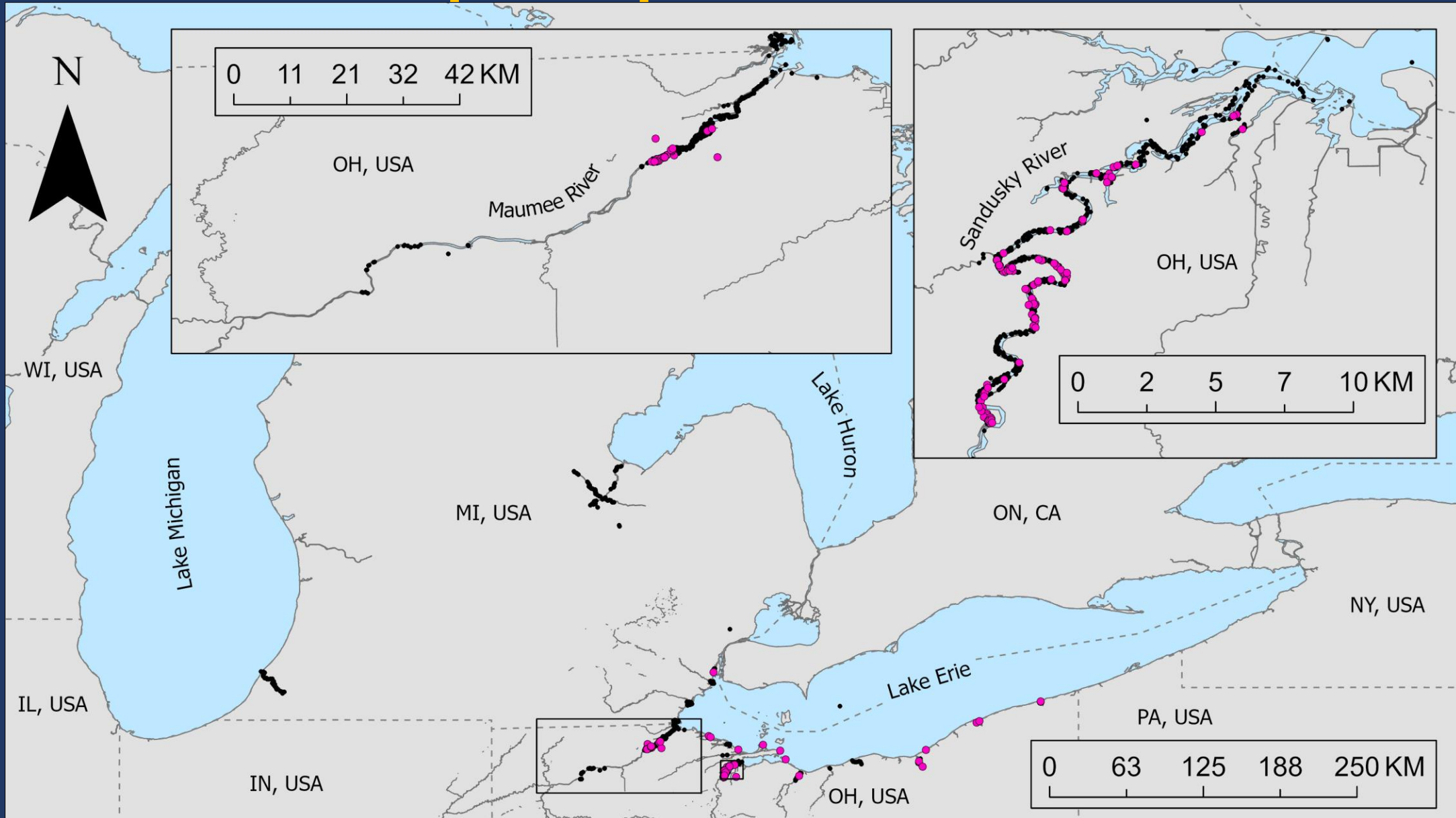
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5



1



Grass Carp Captures - 2022

CREWS



2



2

MI



5



1



1

WI

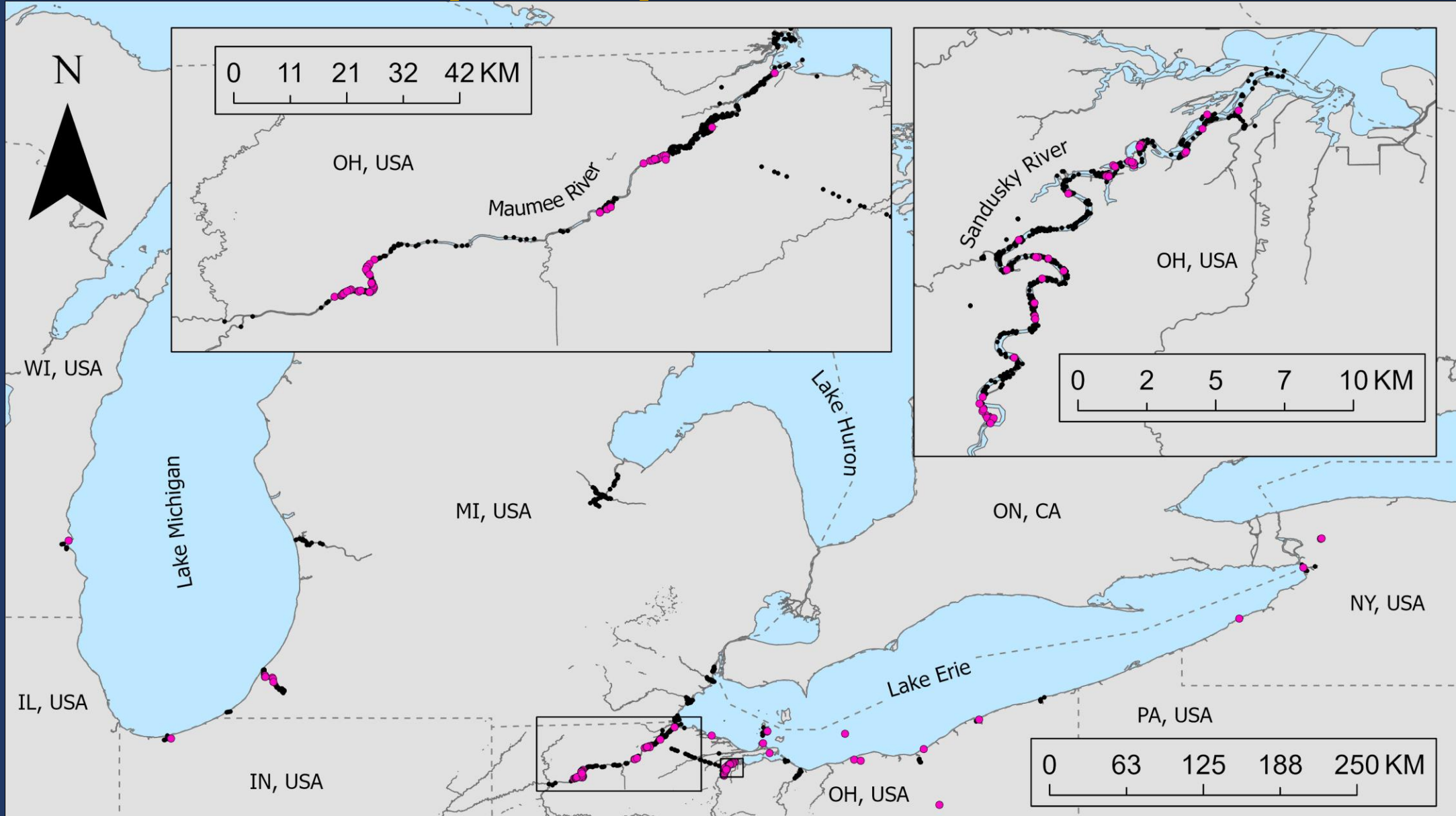


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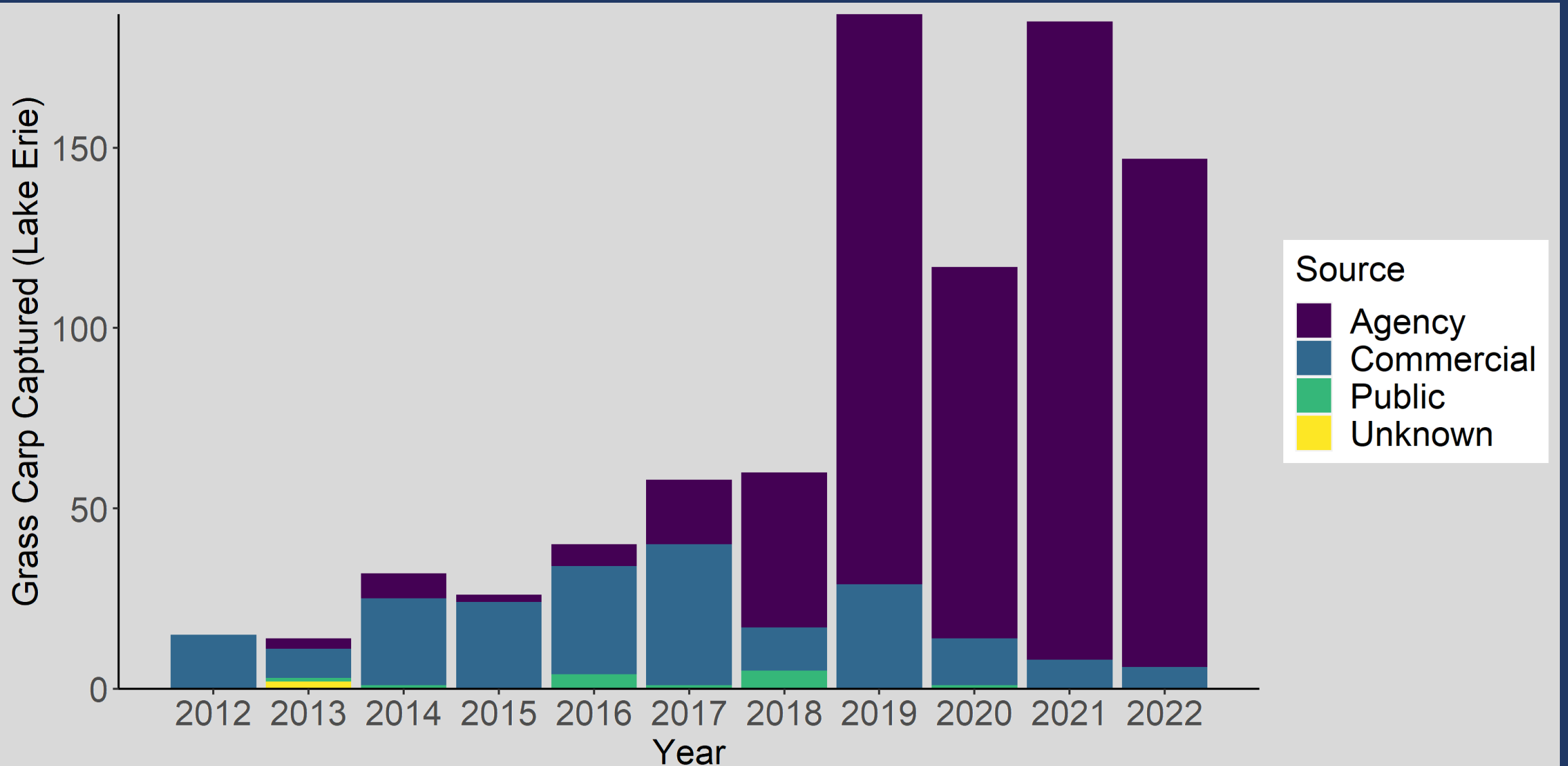
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Lake Erie Grass Carp Captures



2022 Captures

Grass Carp Captures – Lake Erie

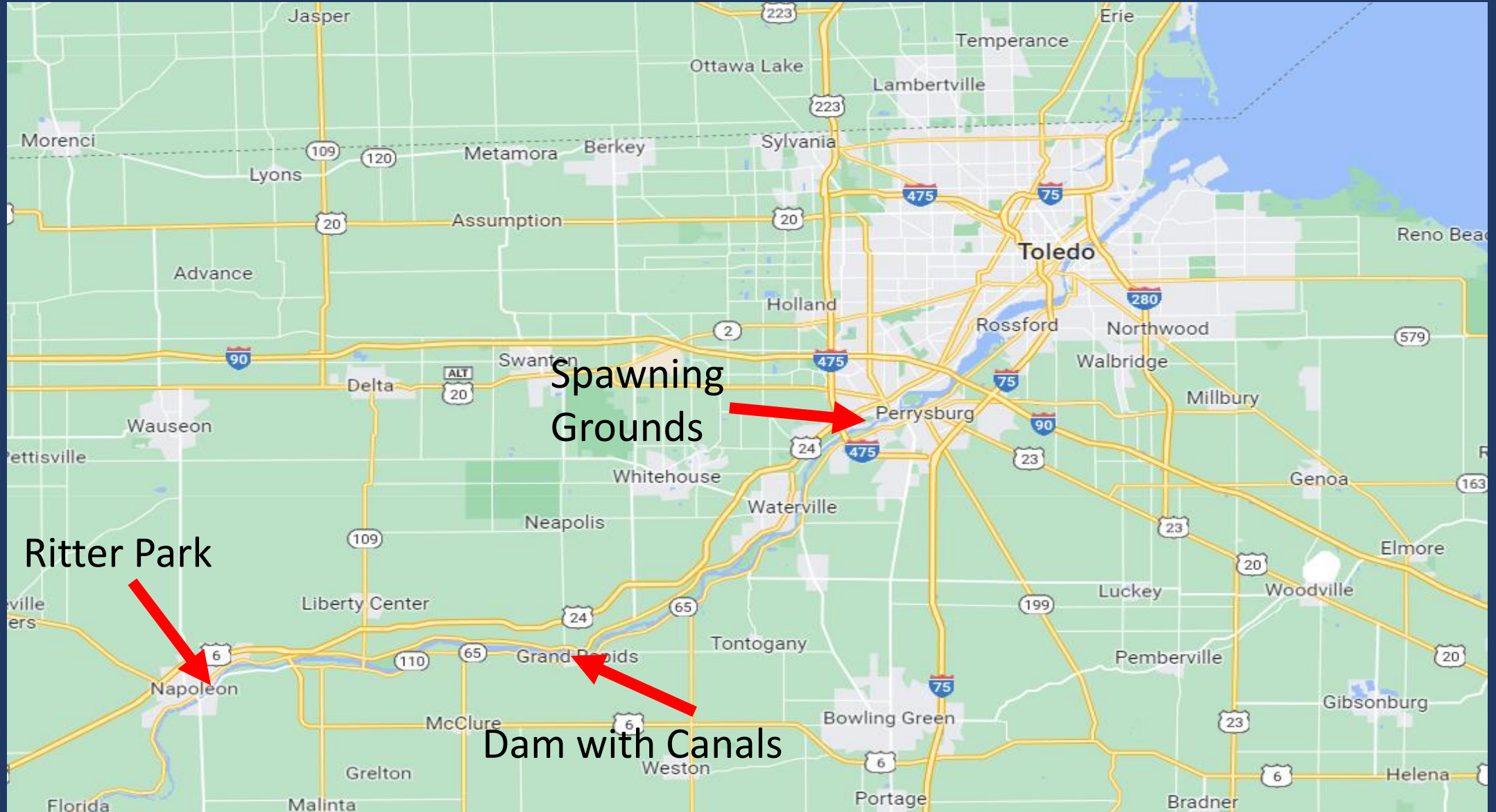
Waterbody	GC Harvested
Maumee River	75
Sandusky River	52
Grand River (OH)	1
Black River	2
Other Western Basin	10
Eastern Basin	7

Grass Carp Captures – Lake Michigan

Waterbody	GC Harvested
Milwaukee River	1
St. Joseph River	10
East Arm Little Calumet	2
Paw Paw Lake	1



Maumee River



2022 Captures

Grass Carp Captures – Lake Erie

Waterbody	GC Harvested
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Grass Carp Captures – Lake Michigan

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2022 Captures

Grass Carp Captures – Lake Erie

Lake Erie Total Captures
2022

147 Grass Carp Removed

Grass Carp Captures – Lake Michigan

Lake Michigan Total Captures
2022

14 Grass Carp Removed



New for 2022

- High Flows
 - 20K cfs in Maumee River – No Problem
- Upstream Maumee River
 - Most Captures Ever
- The Big Lake
 - Islands and Lakeshore Not Efficient



Future Plans

- Protocol Revision and Simplification
- Increased Effort in the Upper Maumee
- Increased Effort in Huron River (OH)



Invasive Carp Symposium

➤ AFS 2023 Grand Rapids

➤ Co-Organized with

➤ USGS CERC

➤ USFWS

➤ KY DNR



GC control and research collaborative structure

Lake Erie Committee & GLFC



Grass Carp Advisory Committee
& Structured Decision Making

Removal



Early
Detection



Early Life
History



Telemetry



Population
Modeling



Research

Novel
Technology
(Barriers,
Attractants &
eDNA)

