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# Asian Carp: A Great Lake Problem

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# WPI

# Asian Carp: A Great Lake Problem

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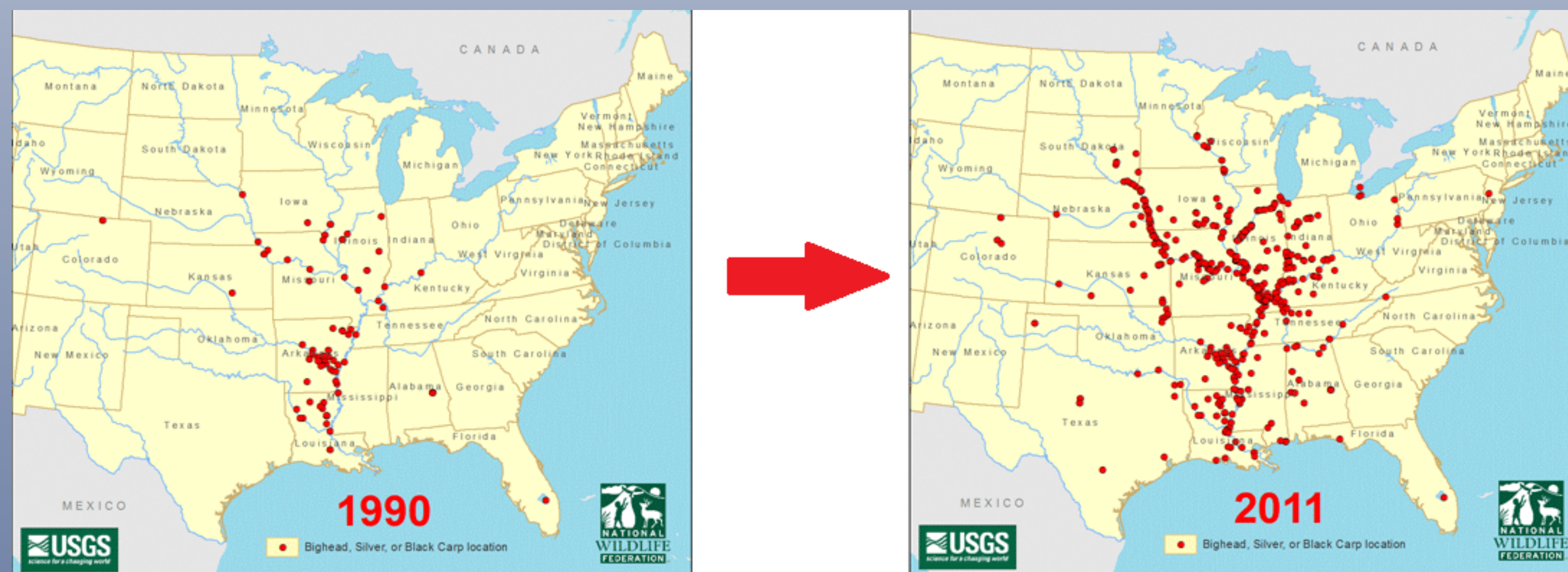
## Problem

Asian carp are an invasive species that are in the Mississippi River moving towards the Great Lakes. If Asian carp entered the Great Lakes region, the biodiversity of the ecosystem and the fishing industry would suffer significantly.

## Goals

1. To reduce populations of Asian carp in the Mississippi River.
2. Prevent Asian carp from entering the Mississippi River.

## Asian Carp Population



## Background

Invasive species are species that are non-native to an ecosystem and are likely to cause economic and/or environmental harm<sup>1</sup>. The Asian carp consist of silver carp, bighead carp, grass carp, and black carp. They were introduced in the United States in the 1970s to control algae growth in ponds, but when flooding occurred they established a population in the Mississippi River, and are spreading towards the Great Lakes region.

## Acknowledgments

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## Species of Asian Carp

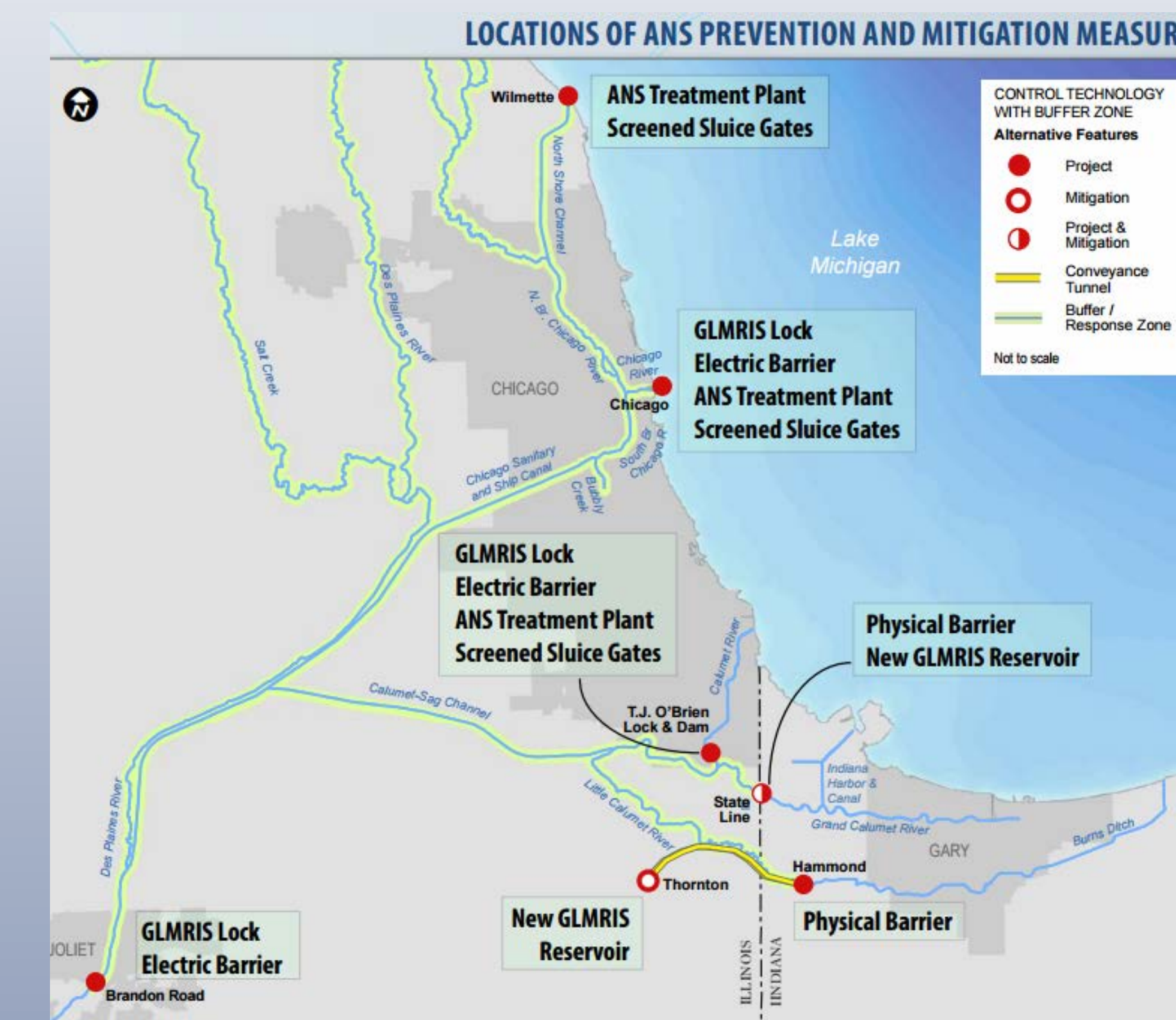


## Methods



## SOLUTIONS

### The GLMRIS Solution



The Army Corps of Engineers performed the GLMRIS to prevent invasive species from entering the Great Lakes. The addition of technologies were proposed in GLMRIS and would be effective.

### Eat Them!



There is currently no market for Asian carp in the US, but by rebranding them we could potentially make a market for consuming them.

**Implement both solutions simultaneously for maximum success!**

## References

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