

# TIME TO EXPLORE

Cleveland Metroparks

## Hydrilla Project +

Mark Warman

Aquatic Invasive Species  
Project Coordinator



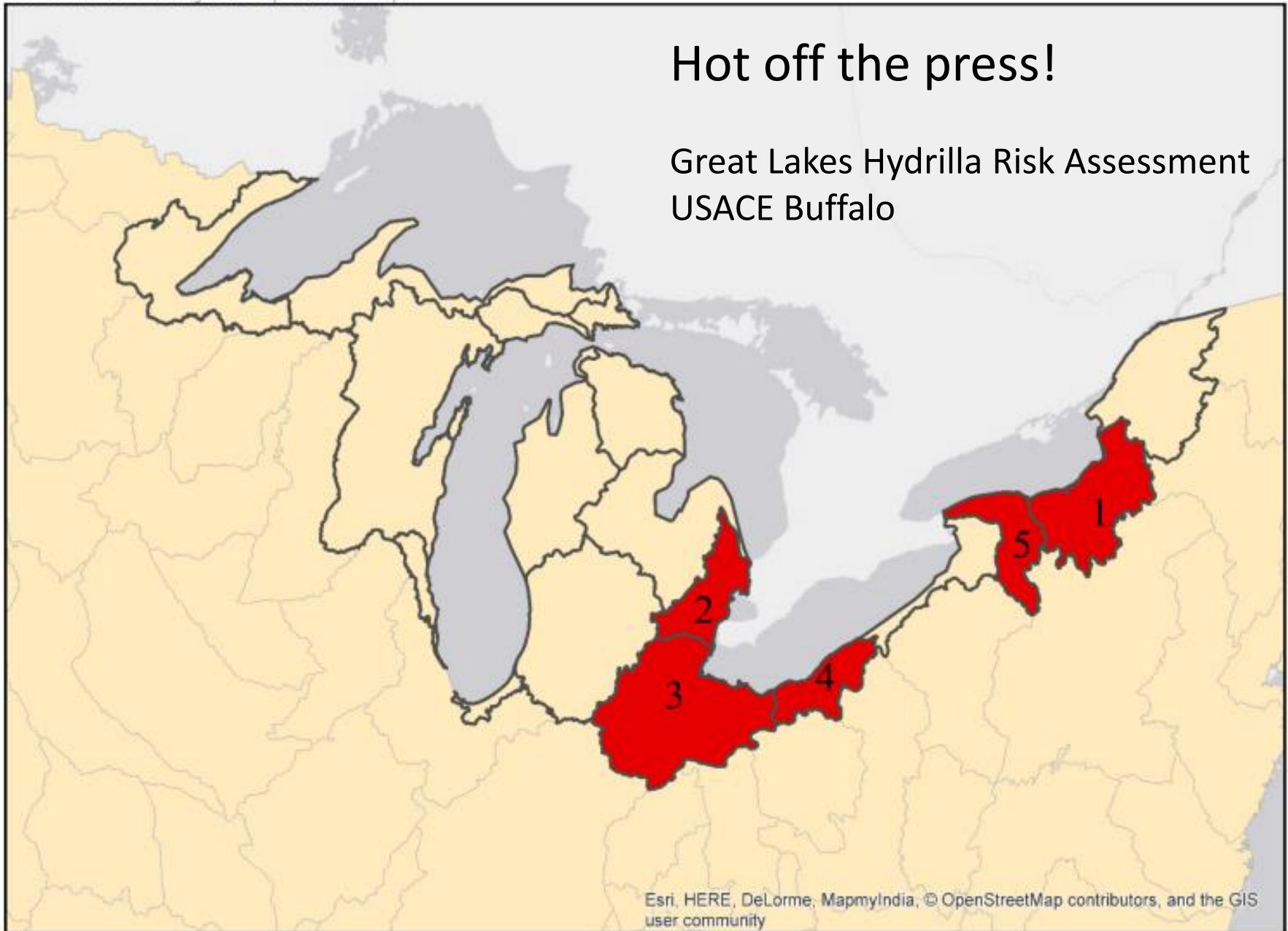
Great Lakes  
RESTORATION





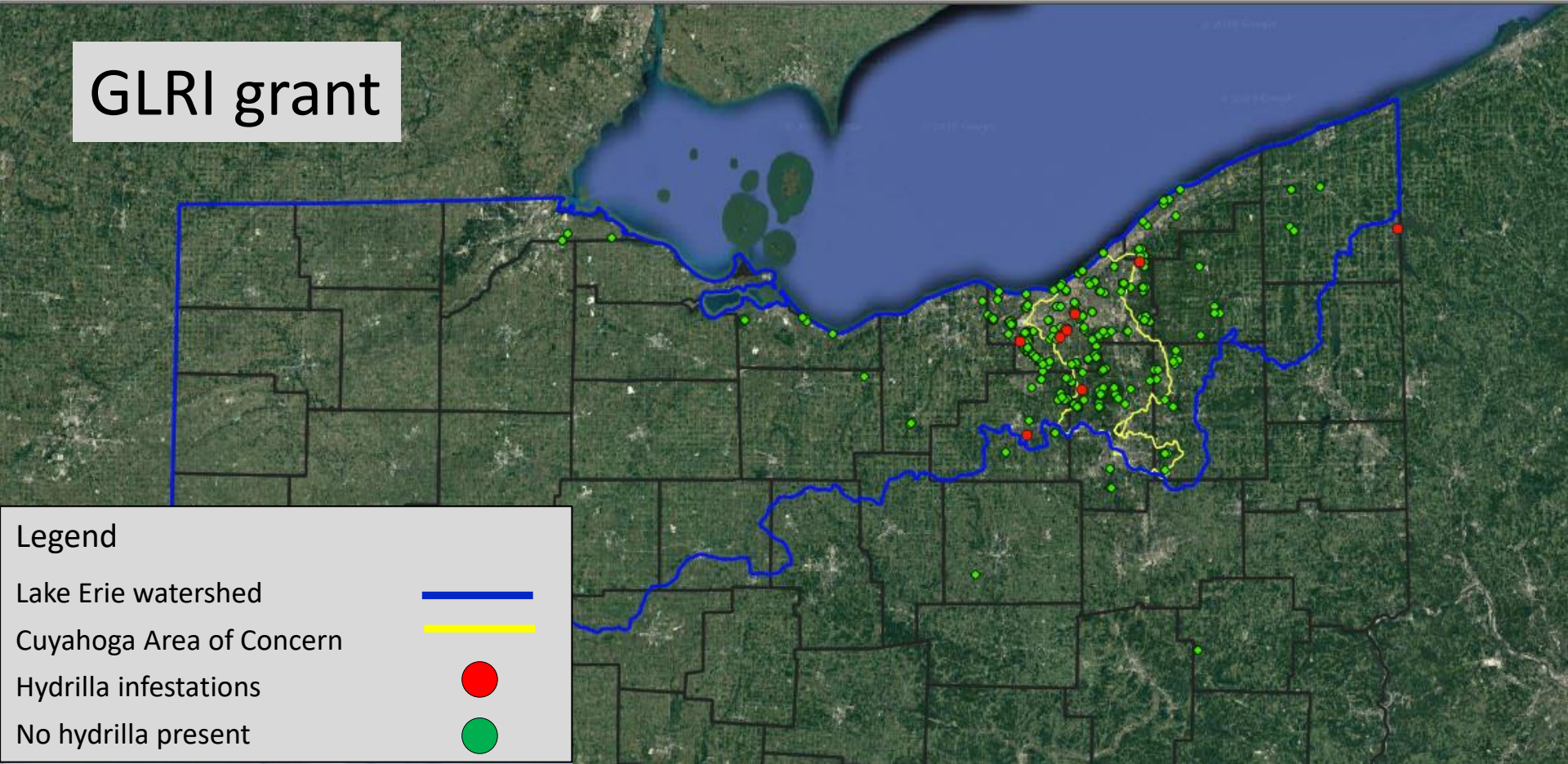
# Hot off the press!

Great Lakes Hydrilla Risk Assessment  
USACE Buffalo



**Figure SR-6 Top Five Watersheds in Great Lakes Basin Predicted by Modeling to Have the Greatest Future Proportion of Hydrilla-Infested Waterbody Area: Southeastern Lake Ontario (1), St. Clair-Detroit (2), Western Lake Erie (3), Southern Lake Erie (4), and Southwestern Lake Ontario (5)**

# GLRI grant



2017 – 2018

- Surveyed 150 external, partner sites
- Public properties, recreation prioritized
- Emphasis on outreach & education
- Four new hydrilla infestations



Cleveland Metroparks

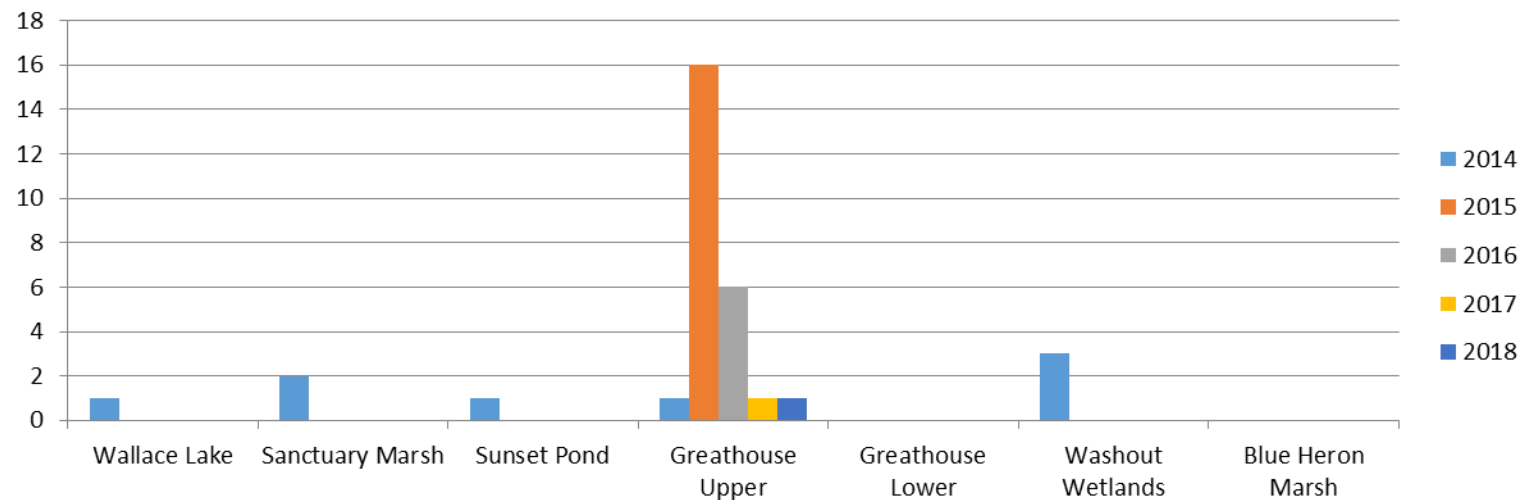
Hydrilla tuber bank

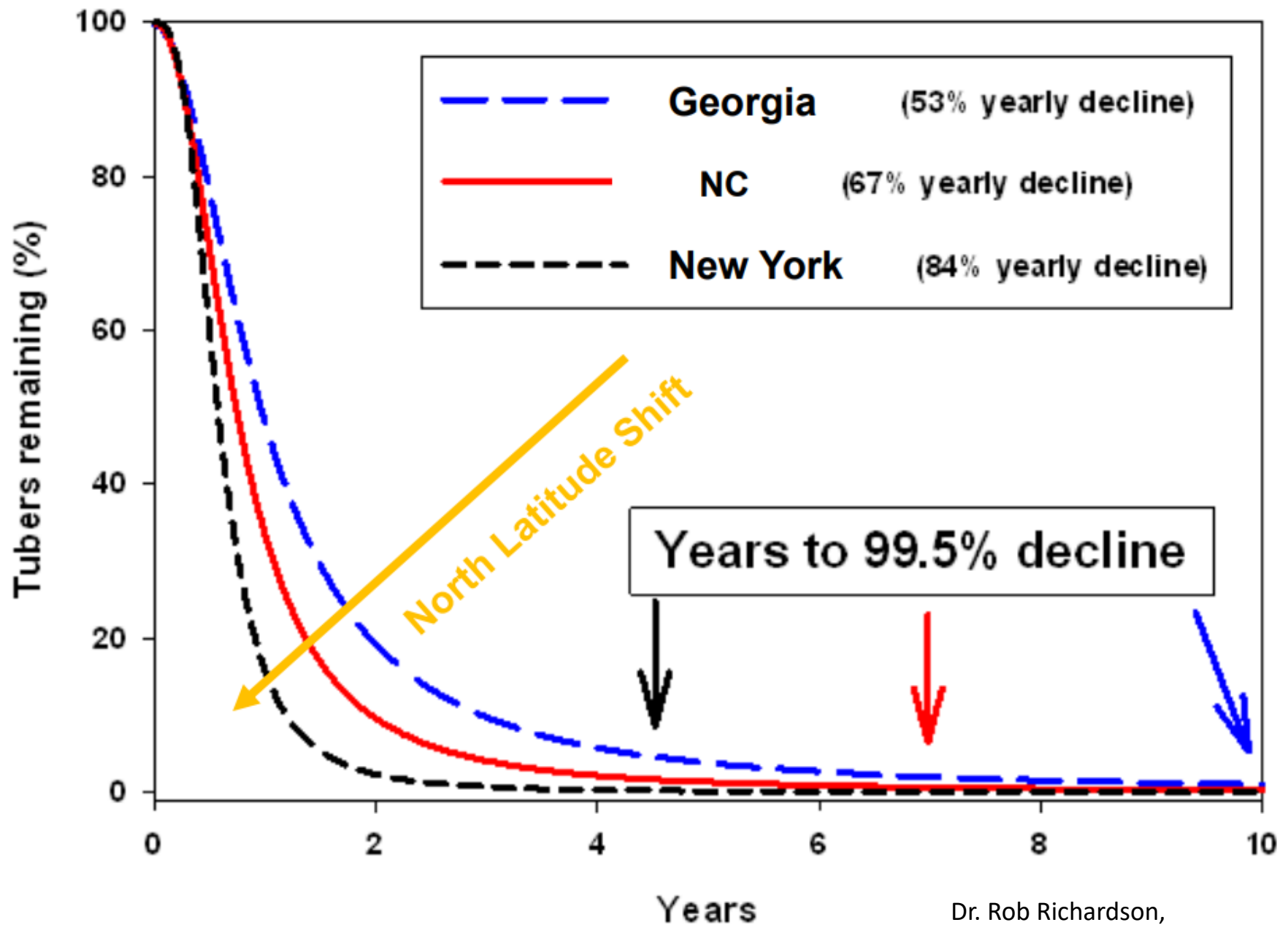
Measure of herbicide efficacy

Winding down treatment



**Sprouted + Unsprouted Hydrilla Tubers in Cleveland Metroparks**





Medina Co. Park District

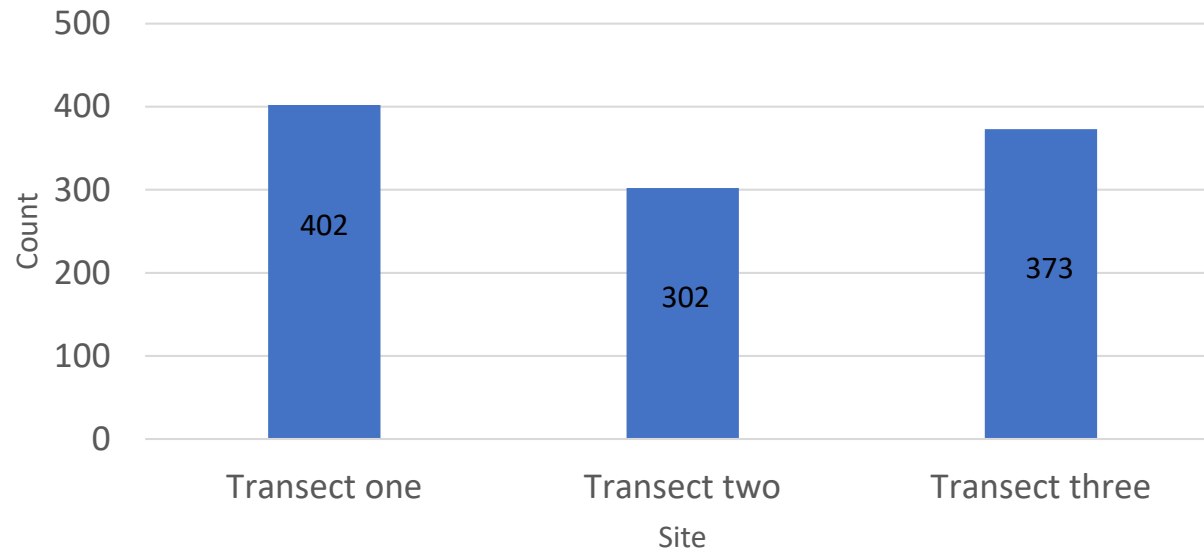
50 sediment cores per transect

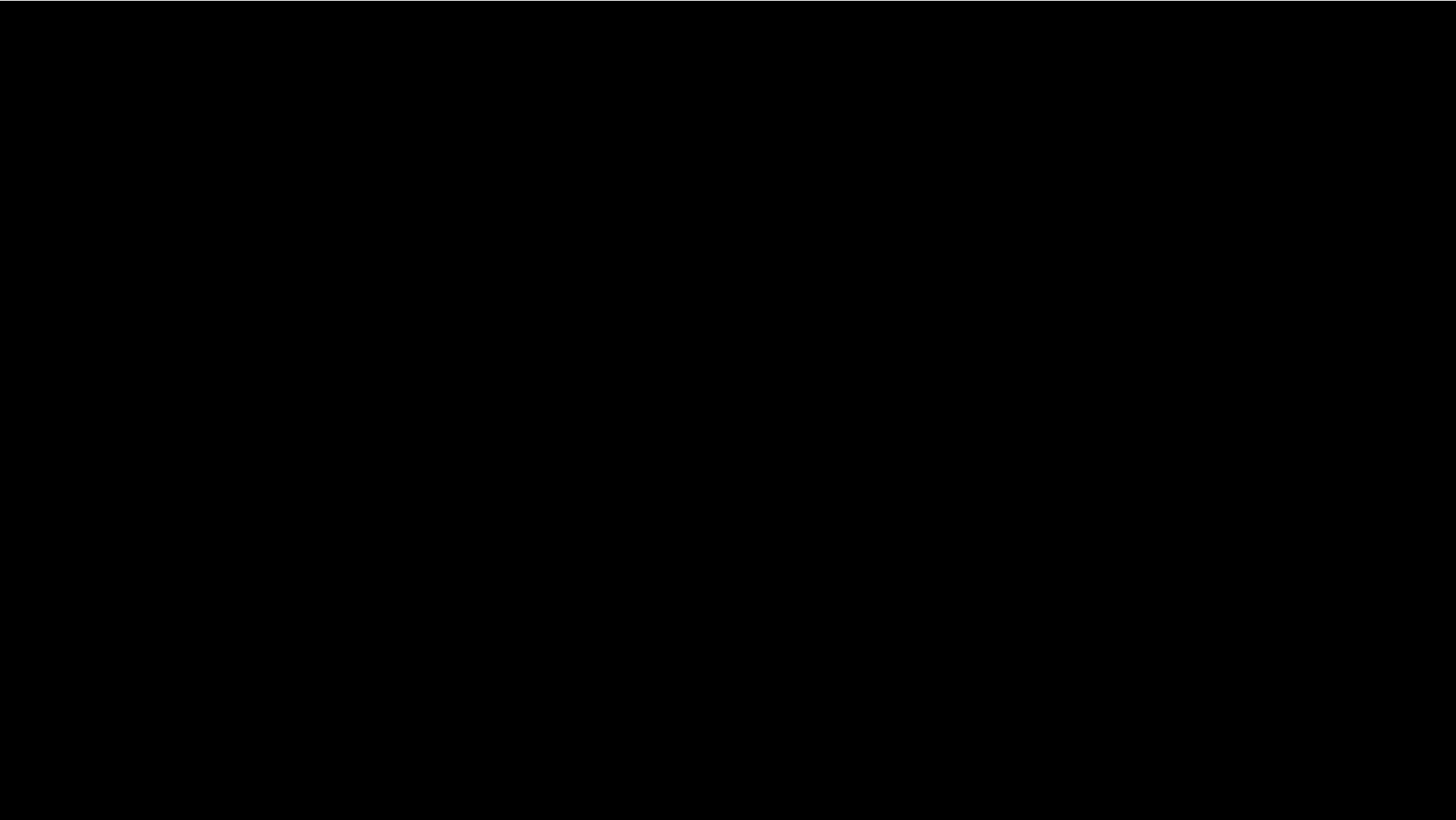
Applied herbicide in Sept. '18

Formerly private property



Sprouted + Unsprouted Tubers in Medina County, 2019

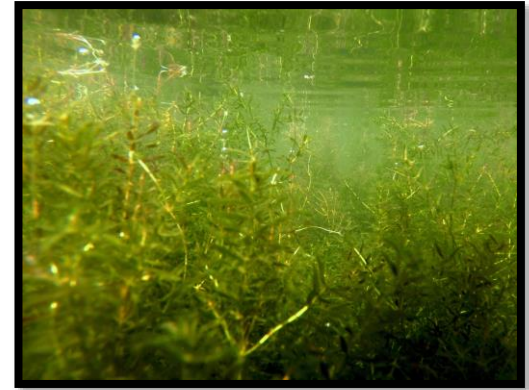




# AIS Resources, Hydrilla +

Hydrilla observed August 2018

Bathymetry survey, site assessment



Tuber sampling staff assistance

New equipment fabricated for Medina by CM



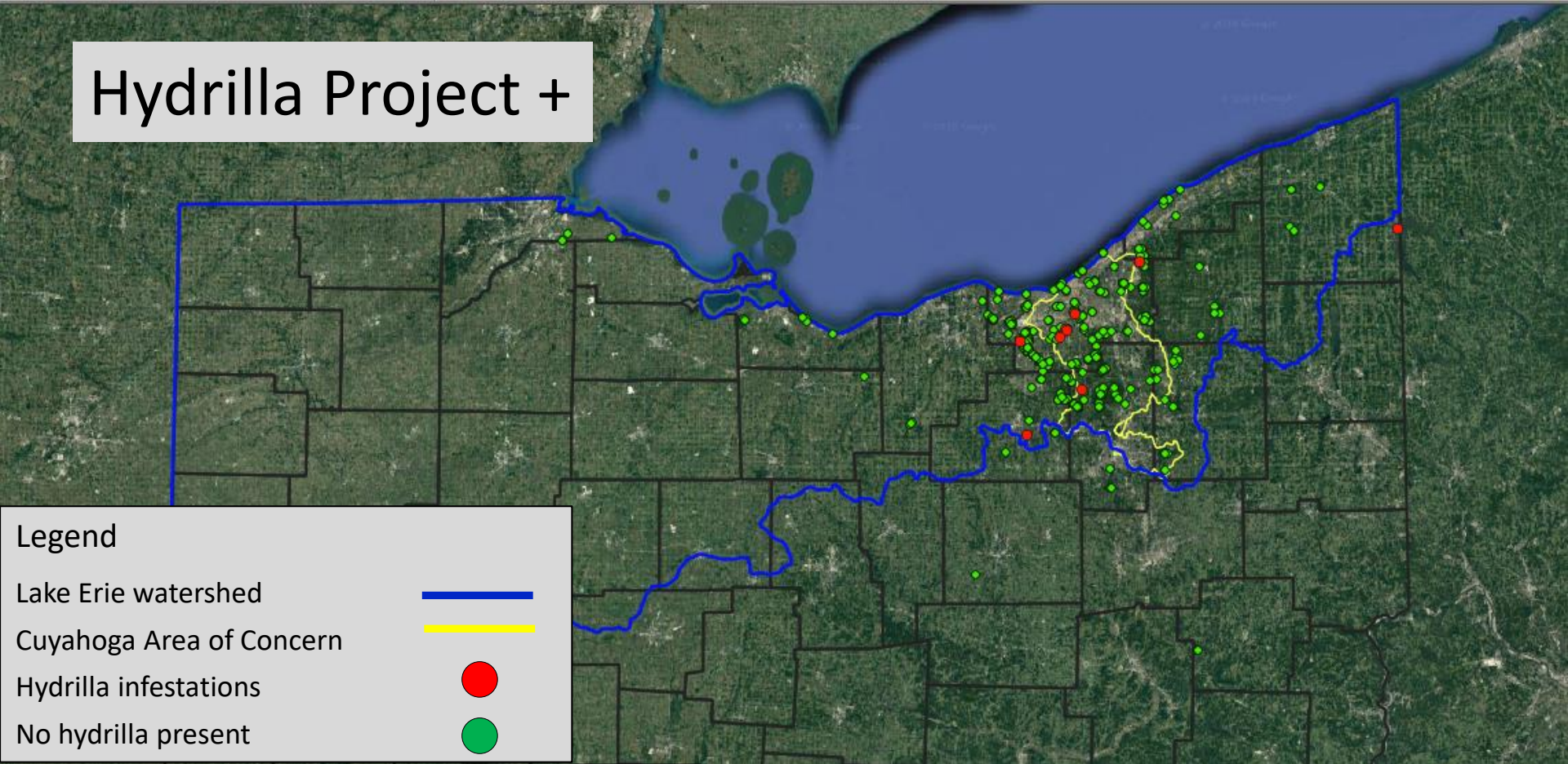
Herbicide application joint effort, CM + ODNR funds

Monitoring, herbicide assistance in 2019





# Hydrilla Project +



2019

- Aquatic invasive plants and macroalgae
- Staff assistance, management plans
- Site surveys in Lake Erie Basin
- Funded by ODNR





Hydrilla hitchhiker on OIT, 2018

Same genetic profile

IBI mini genomic test (DNA) kit conducted by  
TCU Dr. Dean Williams

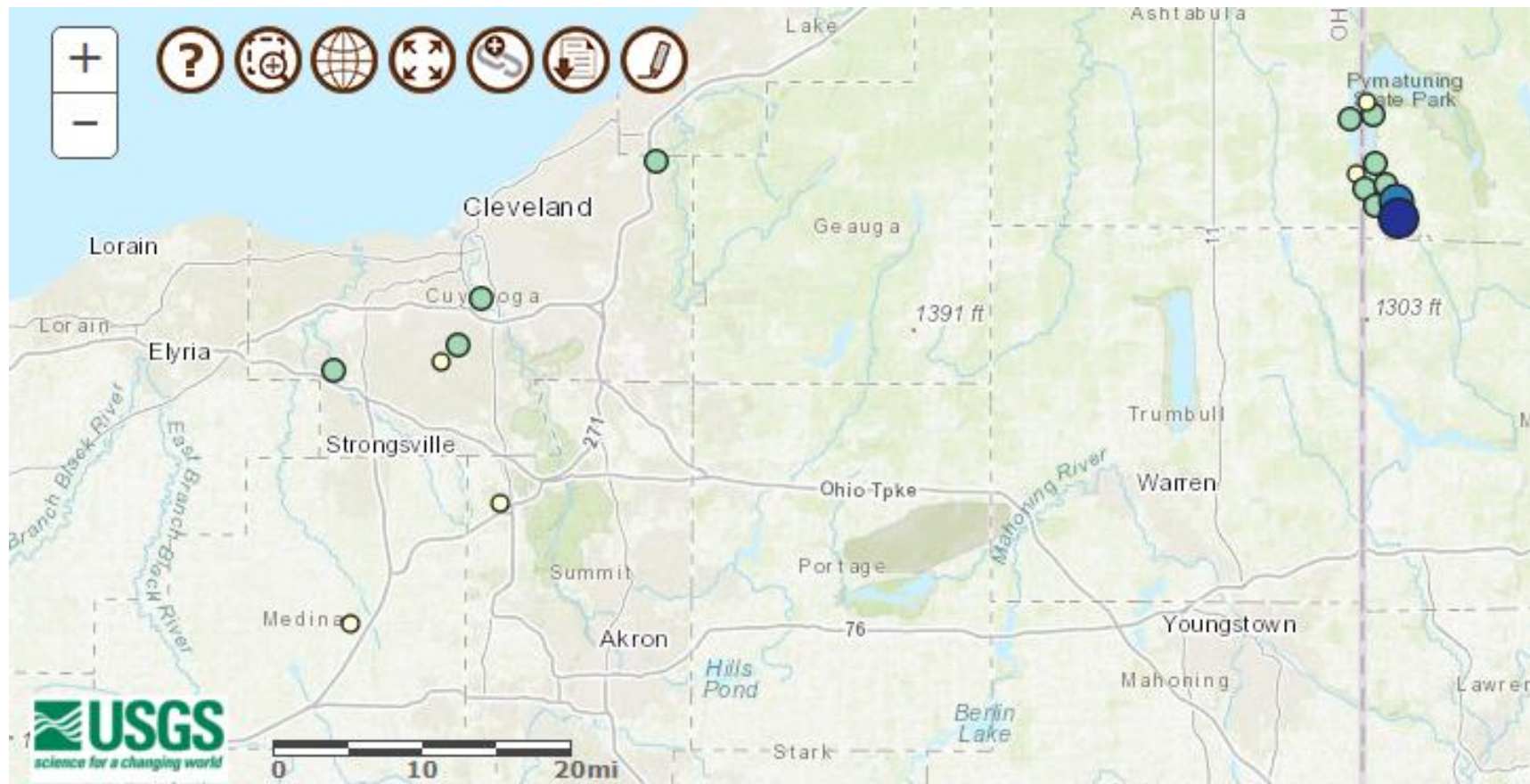
# Progress!

Please Note that we can no longer sell the following plants in the store due to new government regulations:

1. **Floating Heart:** suggest Yellow Snowflake
2. **Flowering Rush:** suggest Dwarf Papyrus
3. **Parrot Feather:** suggest red stem parrot feather
4. **Florida Anacharis:** suggest Canadensis



# All known populations in Ohio (GL basin) under management





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