

TIME TO EXPLORE

Cleveland Metroparks

Beyond Park Boundaries: The GLRI Hydrilla Project

Mark Warman

Aquatic Invasive Species
Project Coordinator





Hydrilla

Aggressive invader

Severe economic impacts
(tourism, fishing, recreation)

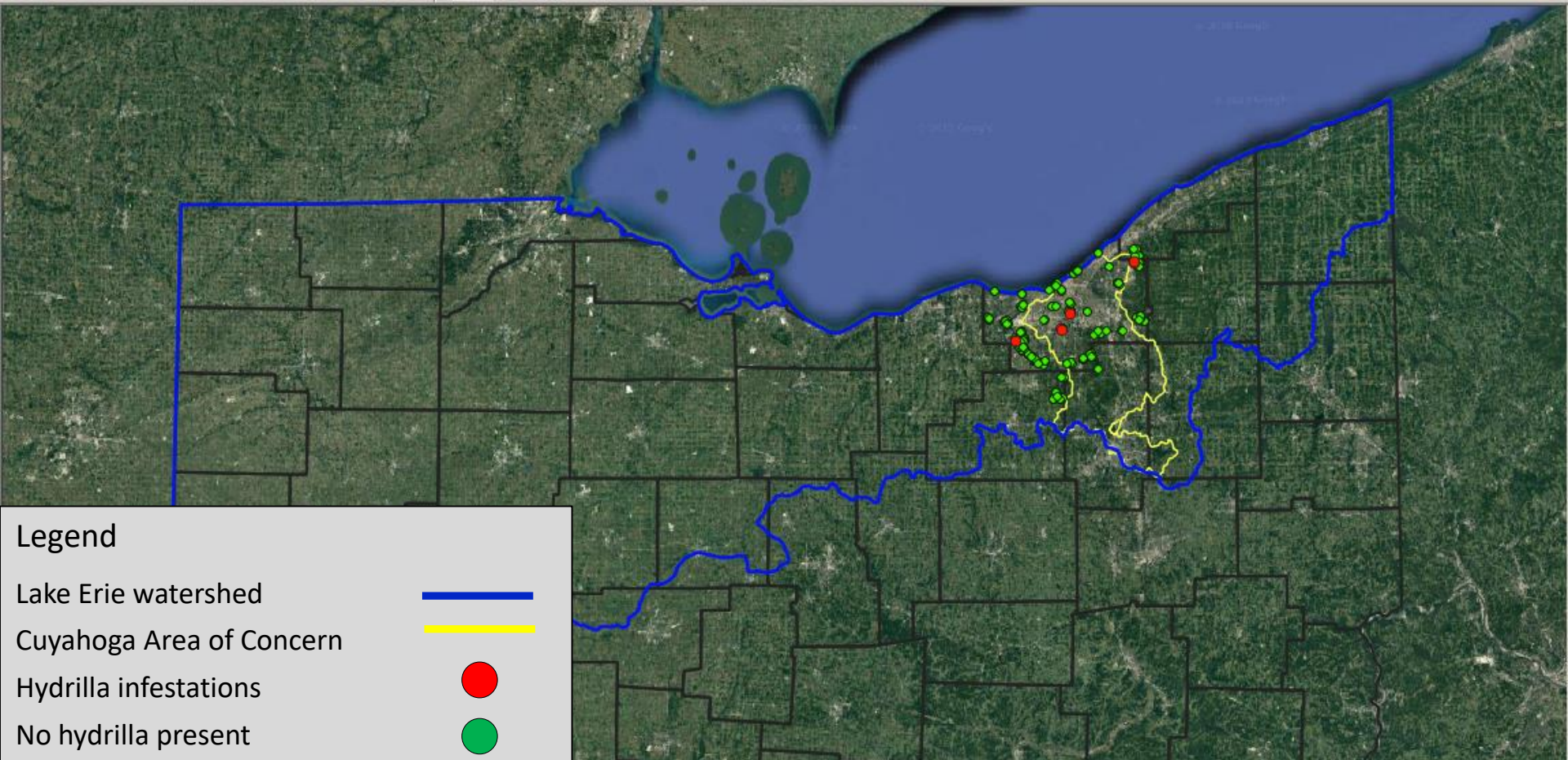
Reduces biodiversity

Very expensive to treat

Jams water intakes and canals

Inch-a-day growth



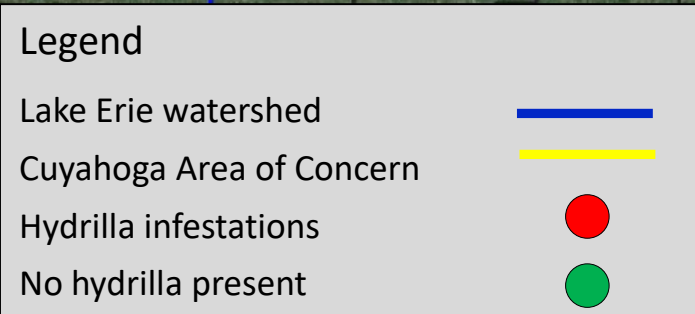
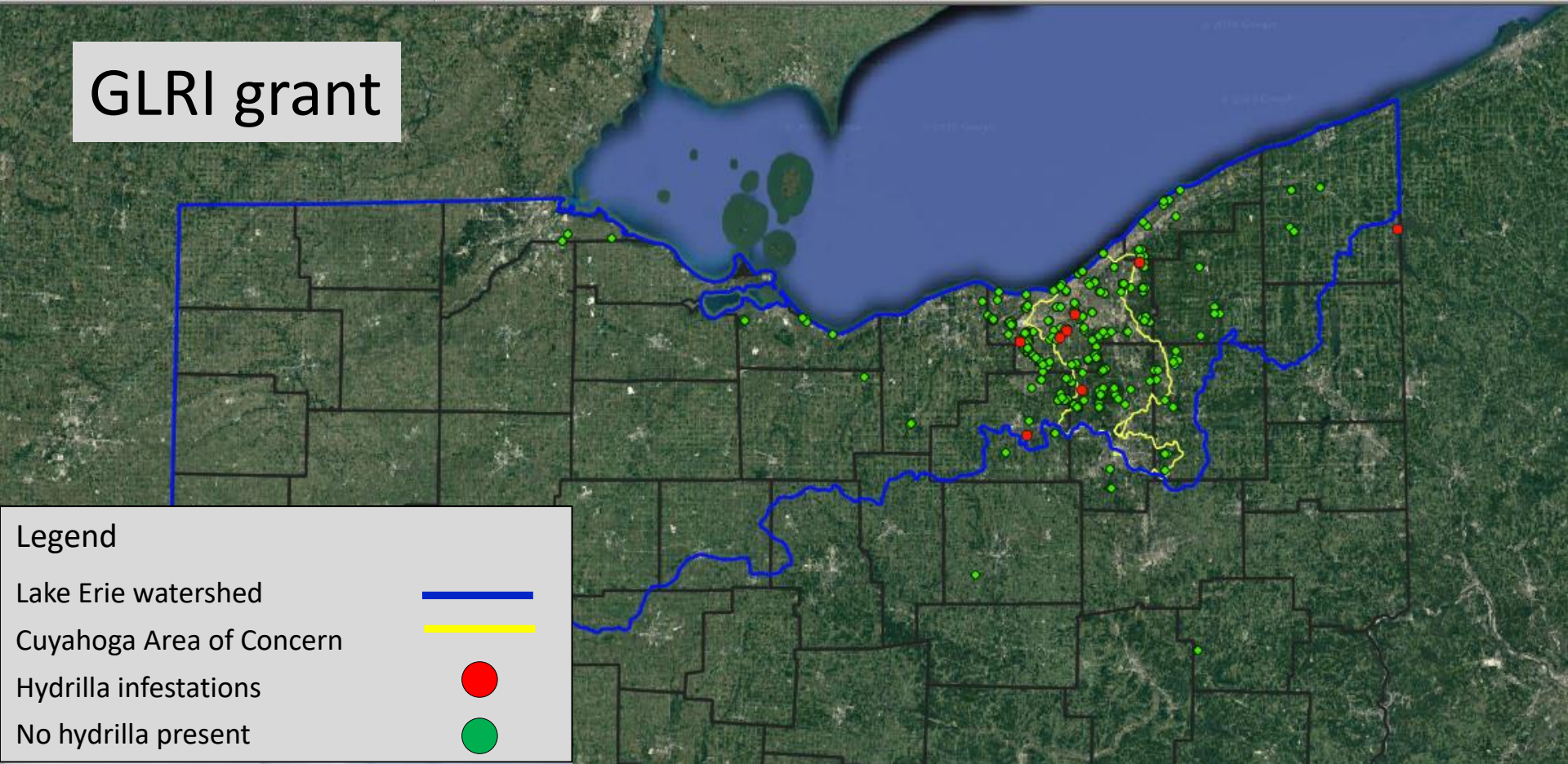


2011 – 2016

- ODNR subsidy for herbicide treatment
- Surveyed 100 CM sites annually
- Applied for GLRI grant

Pictured: Hydrilla in West Creek Reservation

GLRI grant



2017 – 2018

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

Regional Cooperation

Hydrilla observed by Medina County Park District

Emailed CM day of discovery



Sampling for hydrilla roots, joint effort

New equipment fabricated for Medina by CM



Herbicide application 2018, joint effort

Monitoring, herbicide assistance to continue in 2019





 AKRON
WATER SUPPLY
PUBLIC UTILITIES
1570 RAVER
ROAD

GLRI Hydrilla Project Partnerships

Worked with 43 partners, 2017 – 2018

Outreach partner with Ohio Sea Grant

Assisted Ohio Department of Agriculture with hydrilla at local pond supply store

Presented at national conferences, international meetings

Detection and decontamination kits

Surveyed 8,000 acres, outreach 3,000 individuals

Awarded 2019 GLRI grant by ODNR

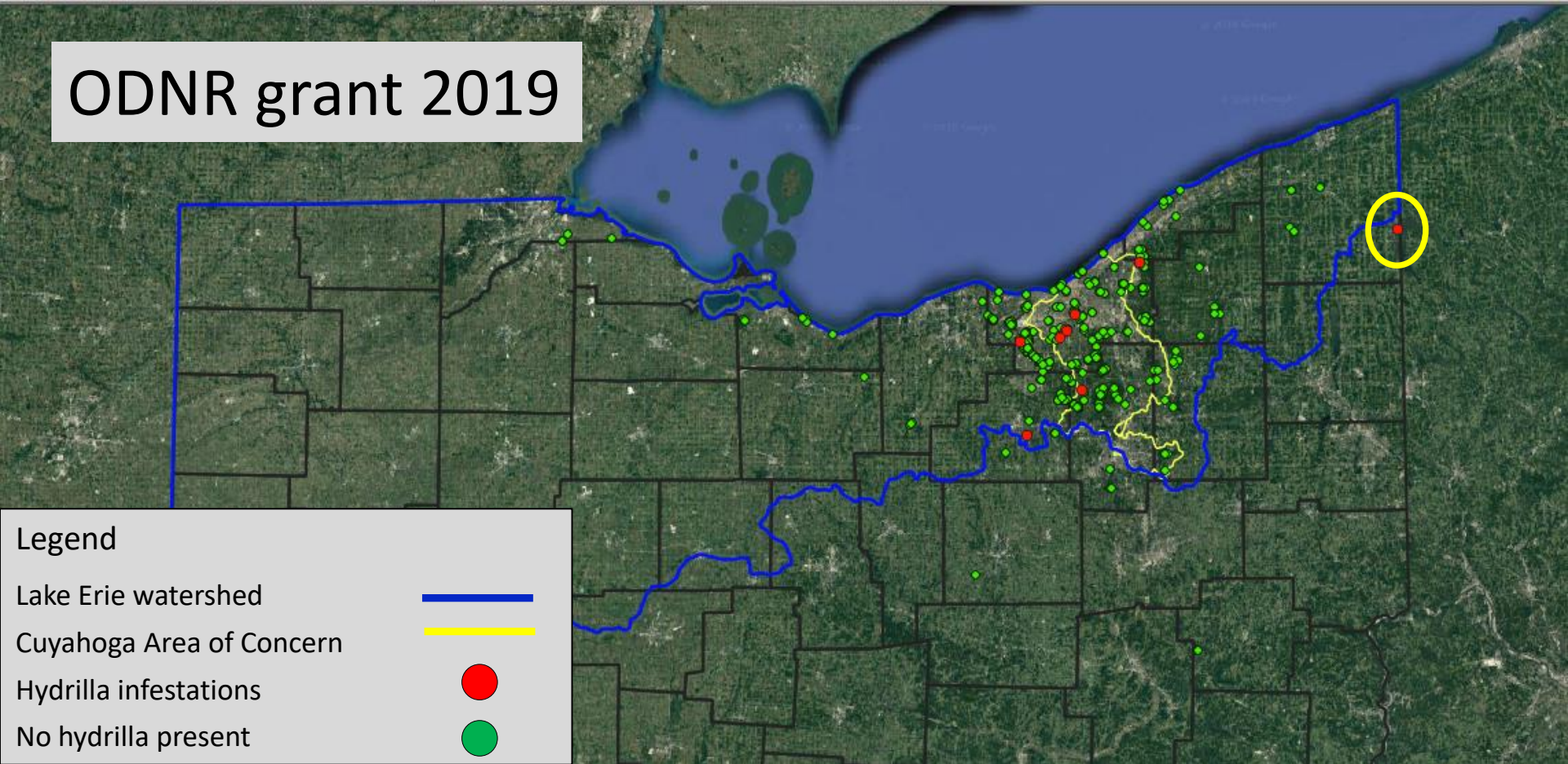


Photo credit Eric Hewitt

iNaturalist observation of the day



ODNR grant 2019



Internal management continues

Focus on external sites

Western basin outreach

Funding from ODNR to continue thru 2019

Coordinated \$50,000.00 of herbicide for Pymatuning

Wider focus on aquatic nuisance species



Photo by Kyle Lanzer

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Site	Date of last detection and type of plant material	Year proactive treatment ends (4 years after last hydrilla detection)	Annual tuber and vegetative surveillance ends (8 years after last hydrilla detection)
OEC , Blue Heron	2014 (vegetation)	2019	2022
Greathouse Wetlands	2018 (tuber, upper wetland only)	2023	2027
Washout Wetlands	2014 (3 tubers)	2019	2023
Sunset & Sanctuary	2014 (vegetation, sanctuary)	2019	2023
Wallace Lake	2014 (tuber)	2019	2023

Sprouted + Unsprouted Hydrilla Tubers in Cleveland Metroparks

