

**Park
Commission**

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Tajalli Hodge, Chair
Dave Streeter, Vice Chair
Brad Hine, Treasurer
Jeff Neel, Secretary

Commissioners:
Edward Burnett
Darrell Kirby
Star Smith

Charter Township of Ypsilanti

**YPSILANTI TOWNSHIP PARK
COMMISSION**

REGULAR MEETING

Date: Monday, December 5, 2022

Time: 6:30 P.M.

LOCATION

1st board room
Ypsilanti Township Civic Center
7200 S. Huron River Drive
Ypsilanti, Michigan 48197



Ypsilanti Township Park Commission

7200 S. Huron River Drive • Ypsilanti, MI 48197


TAJALLI HODGE • DAVID STREETER • JEFF NEEL • BRAD HINE
EDWARD BURNETT • DARREL KIRBY • STAR SMITH

REGULAR MEETING AGENDA

MONDAY, DECEMBER 5, 2022

6:30 P.M.

- I. Call to Order**
- II. Roll Call**
- III. Determination of Quorum**
- IV. Approval of Agenda**
- V. Approval of Minutes from the November 7, 2022 regular meeting**
- VI. Citizens Participation**
- VII. Reports**
 - A. Staff Reports**
 - B. Commissioner Reports**
- VIII. Unfinished Business**
 - A. USGS North Hydro Report**
 - B. Continue discussion of Park Hours**
- IX. New Business**
 - A. Nominations for Officers**
 - B. Park Commission Meeting Dates for 2023**
- X. Announcements**
- XI. Recommendations to the Township Board**
- XII. Adjournment**



U.S. Geological Survey *Phragmites* Control Experiment

North Hydro Park, Ypsilanti, MI

Dec 5th, 2022

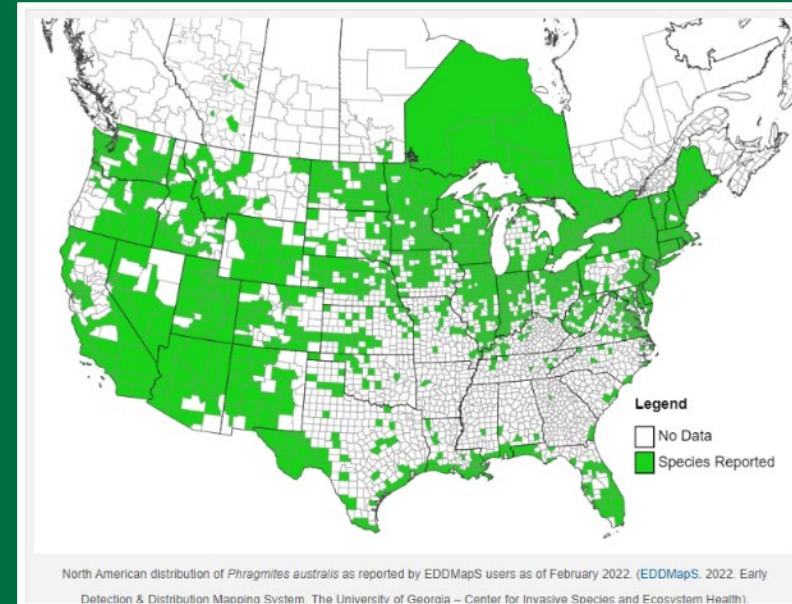


Spenser Widin and Kurt Kowalski
USGS Great Lakes Science Center

US. Department of the Interior
U.S. Geological Survey

This information is preliminary and is subject to revision. It is being provided to meet the need for timely best science. The information is provided on the condition that neither the U.S. Geological Survey nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the information

Phragmites australis (common reed)



USGS Microbial Control of Phragmites

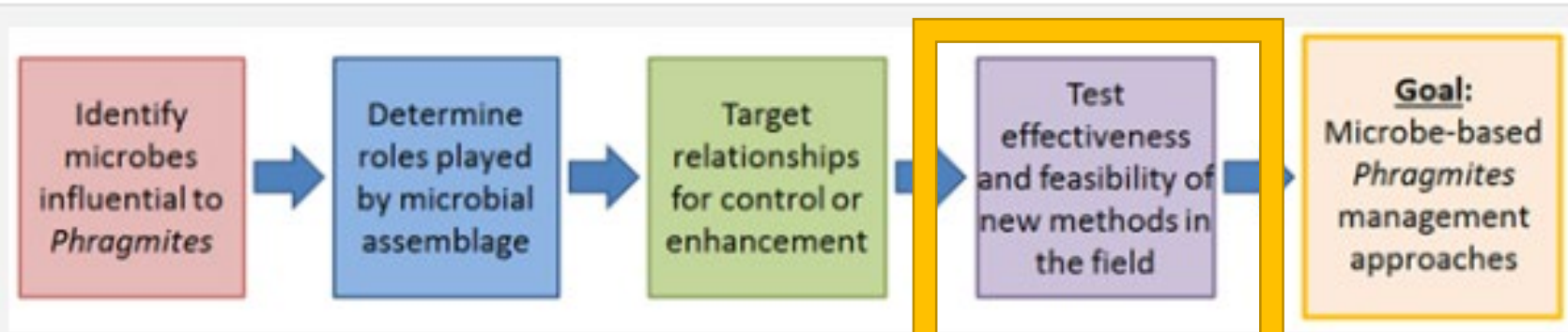
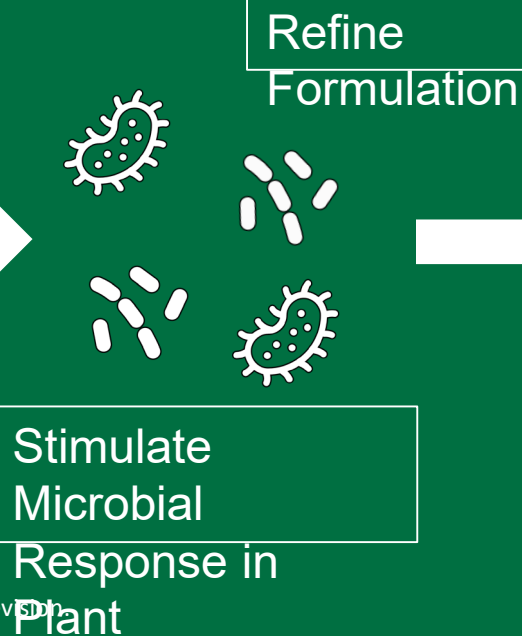


Fig 3: Major steps of the Phragmites Symbiosis Collaborative science agenda (Kowalski et al. 2015).



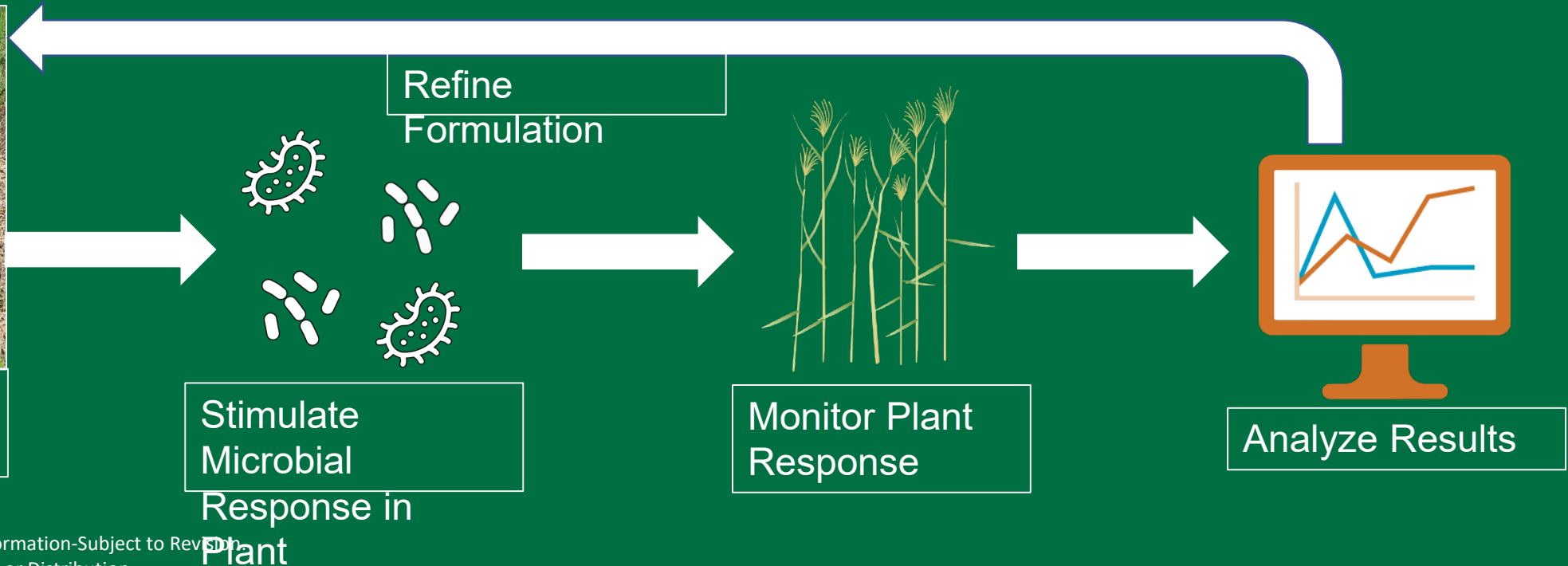
Apply Non-Toxic
Bioherbicide



Monitor Plant
Response

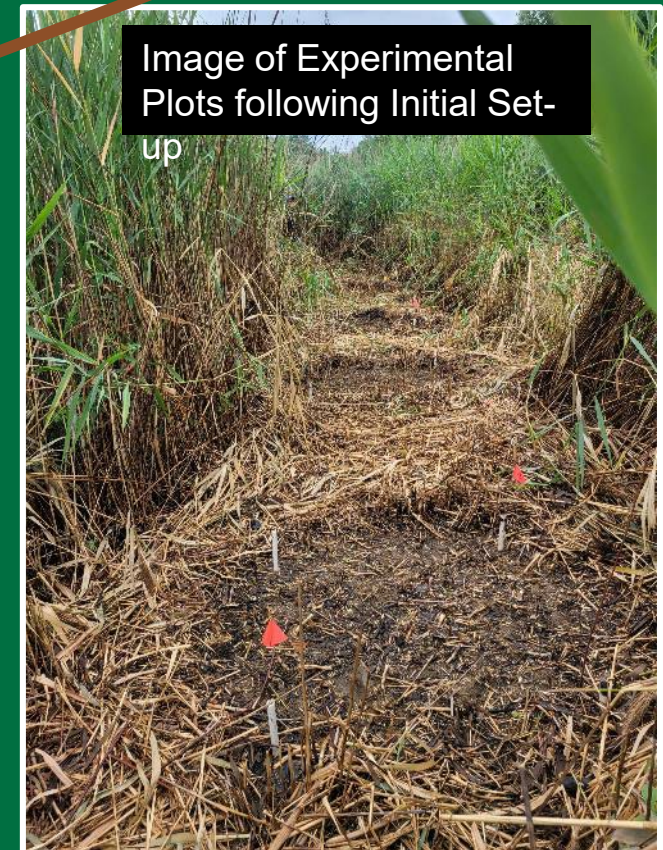
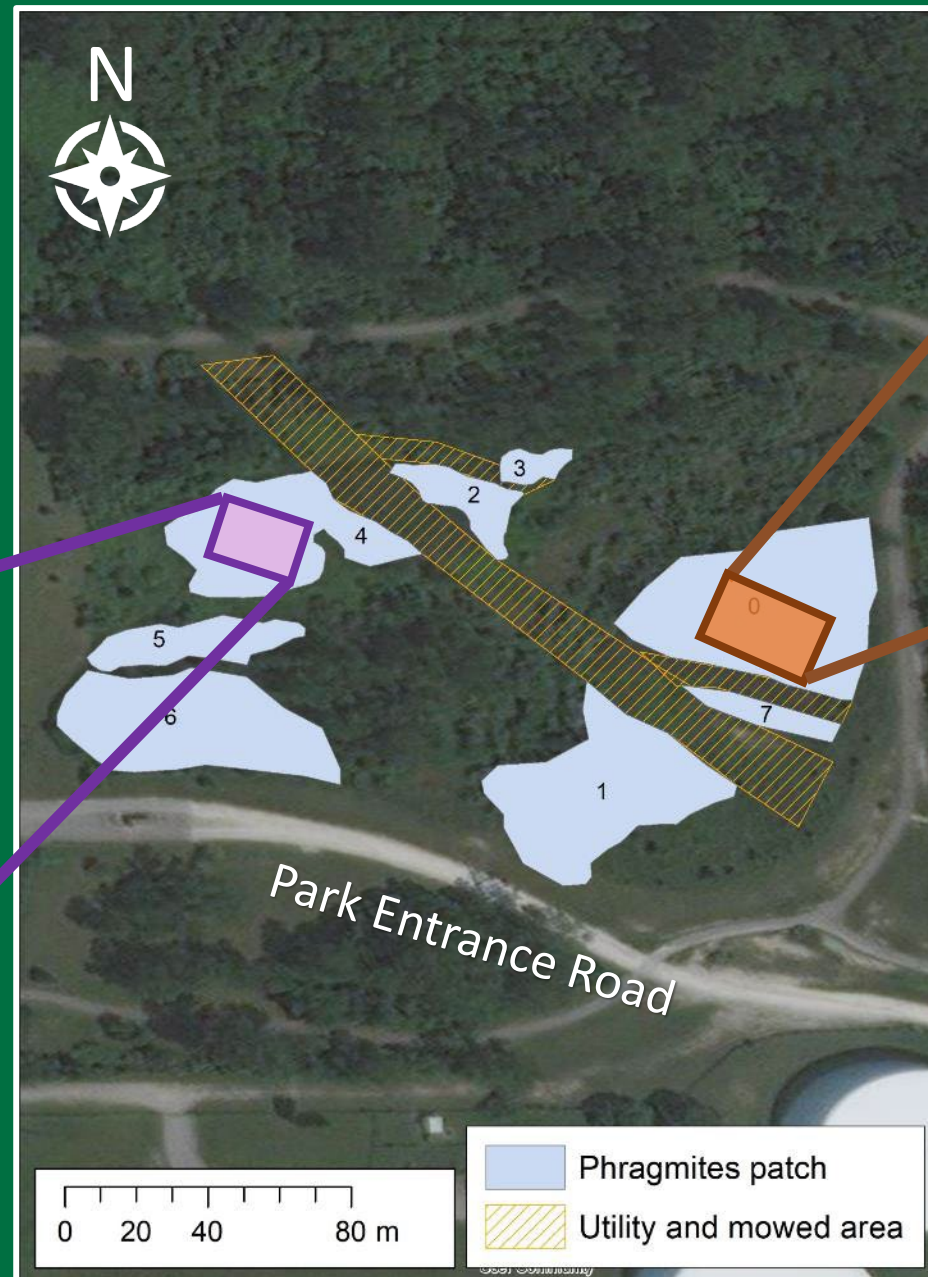
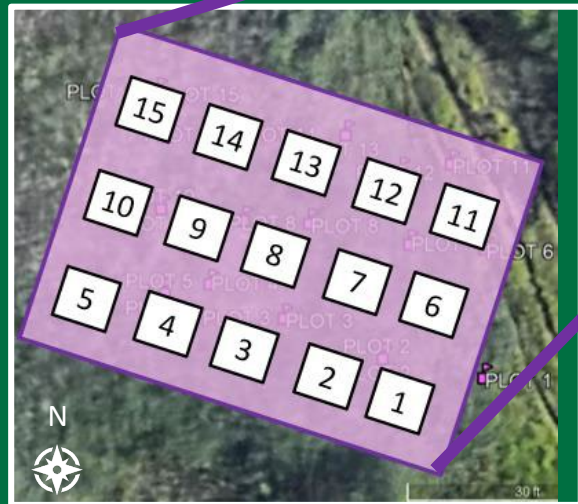


Analyze Results



Experiment Set-up

- 30 total Plots
 - 10 water only
 - 10 treated every 2 weeks
 - 10 treated every 4 weeks



July 22,
2022

Pre-treatment

Control

2-Week

4-Week



July 28, 2022
3 days after 1st treatment

Control

2-Week

4-Week



August 11, 2022
2 days after 2nd '2-Week
treatment'

Control

2-Week

4-Week



August 25, 2022
3 days after 3rd '2-Week
Treatment' & 2nd '4-Week
Treatment'

Control

2-Week

4-Week



Sept 8, 2022
3 days after 4th '2-Week
Treatment'

Control



2-Week



4-Week



Sept 28, 2022
9 days after 5th '2-Week
Treatment' &
3rd '4 Week Treatment'
Final Observation Day

Control

2-Week

4-Week

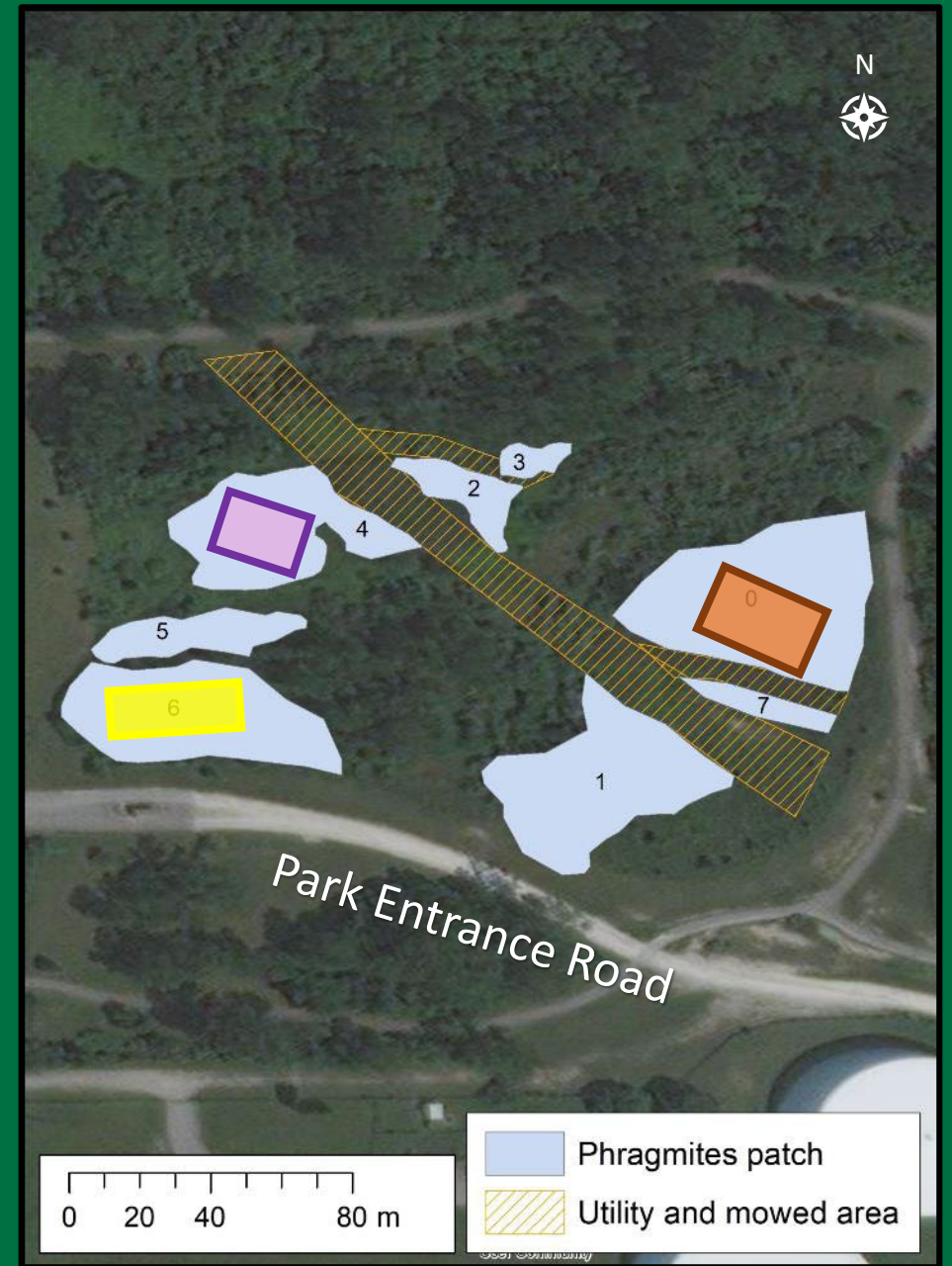


Conclusion

- Current bioherbicide formulation effective at killing aboveground plant parts
- Belowground effect limited (rhizomes potentially still viable)

Further Research

- Return in Spring to observe regrowth patterns
- Currently working with partners at Rutgers to refine formulation
- Summer 2023 Field Test of new formulation/application methods



Thank You!



Contact Info:

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Spenser Widin, Biologist

Email: swidin@usgs.gov

USGS Great Lakes Science Center

Grasshopper from North Hydro park outside experimental plot



Photo Credit: Taaja Tucker-Silva, USGS

Park Commission 2023 Proposed Meeting Schedule

Monday, January 9 (New Year's Day observed Jan 2)

Monday, February 6

Monday, March 6

Monday, April 3

Monday, May 1

Monday, June 5

Monday, July 3

Monday, August 1

Monday, September 11 (Labor Day observed Sept 4)

Monday, October 2

Monday, November 6

Monday, December 4