

Lower Grand River Phragmites Control: a public/private partnership success story



Todd J. Bowen
Project Professional

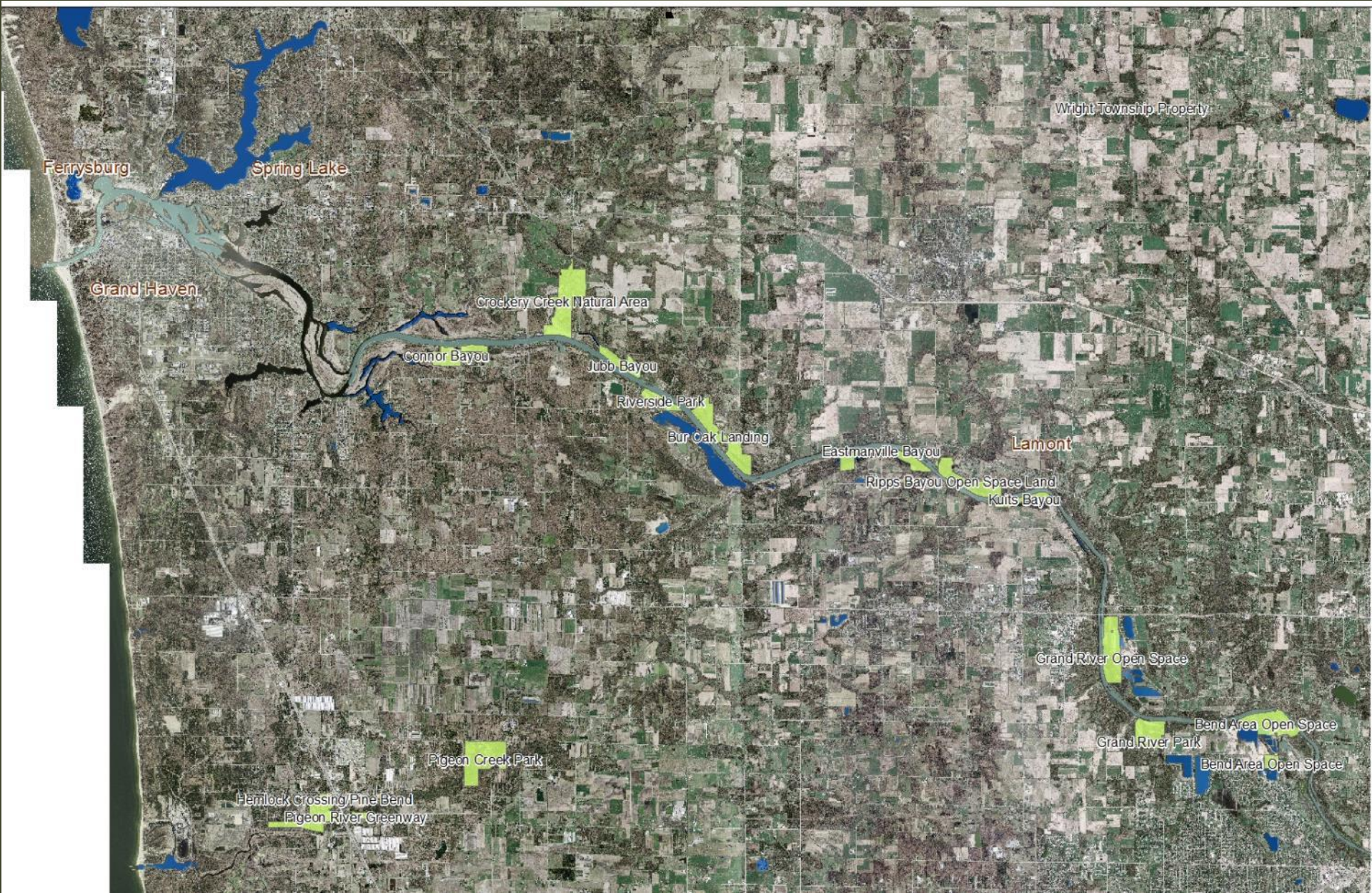


Todd Bowen
Project Professional



Melanie Manion
Natural Resources Management Supervisor





Ferrysburg

Spring Lake

Grand Haven

Crockery Creek Natural Area

Connor Bayou

Jubb Bayou

Riverside Park

Bur Oak Landing

Eastmanville Bayou

Lamont

Ripps Bayou Open Space

Kurts Bayou

Grand River Open Space

Pigeon Creek Park

Hemlock crossing/Pine Bend
Pigeon River Greenway

Grand River Park

Bend Area Open Space

Bend Area Open Space

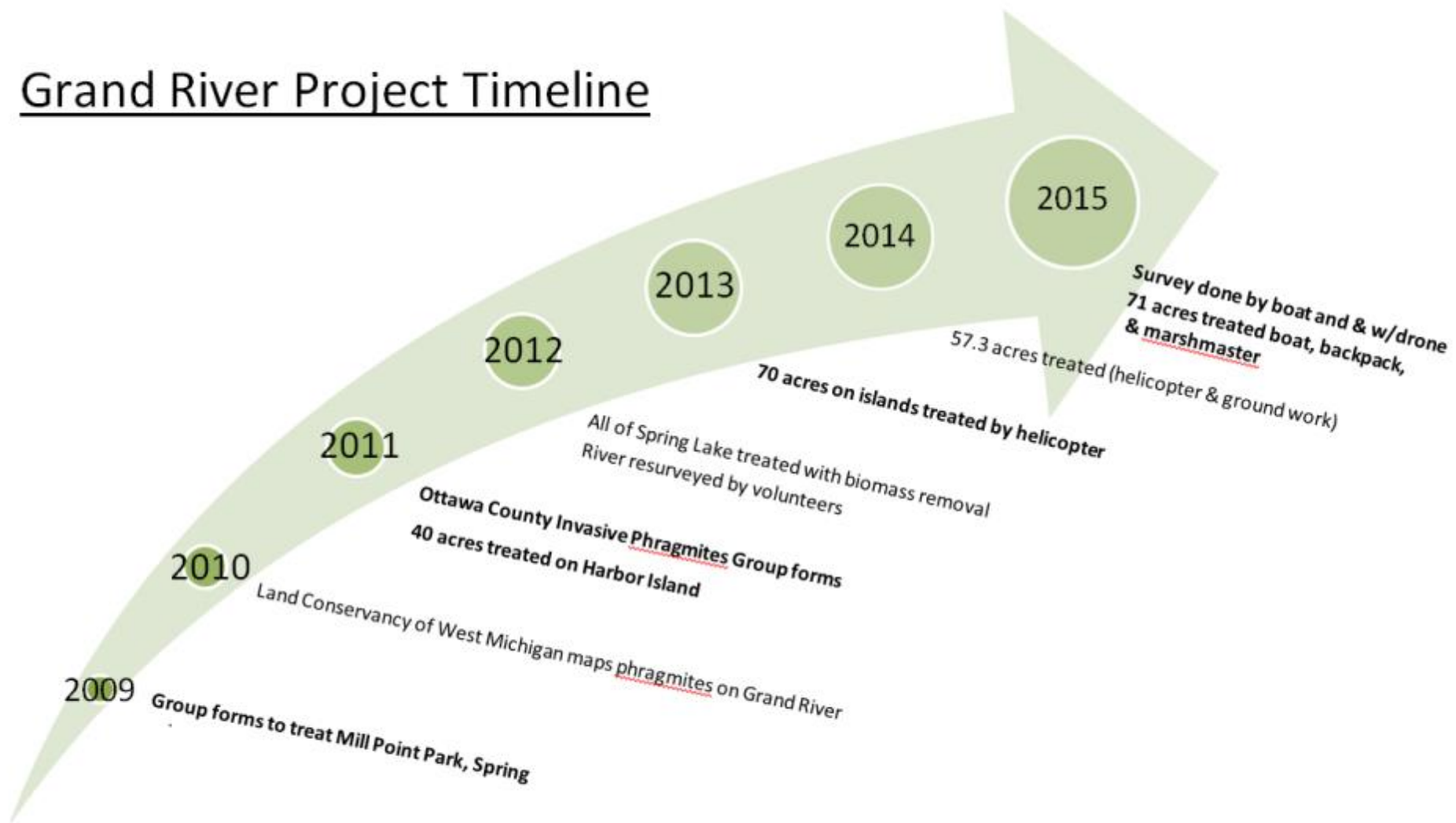
Wright Township Property





- **Wetland Watch**
- **Ottawa County Parks & Recreation**
- **GEI Consultants**
- **Ottawa Conservation District**
- **City of Grand Haven**
- **City of Ferrysburg**
- **Michigan DNR**
- **Private Landowners!**
- **Lloyd's Bayou Lake Board**
- **Spring Lake Village**
- **GVSU's Annis Water Research Institute**
- **Muskegon Conservation District**
- **The Nature Conservancy**
- **The Land Conservancy of West Michigan**
- **Cardno JFNew**
- **West Michigan CISMA**

Grand River Project Timeline





Funding

Grants

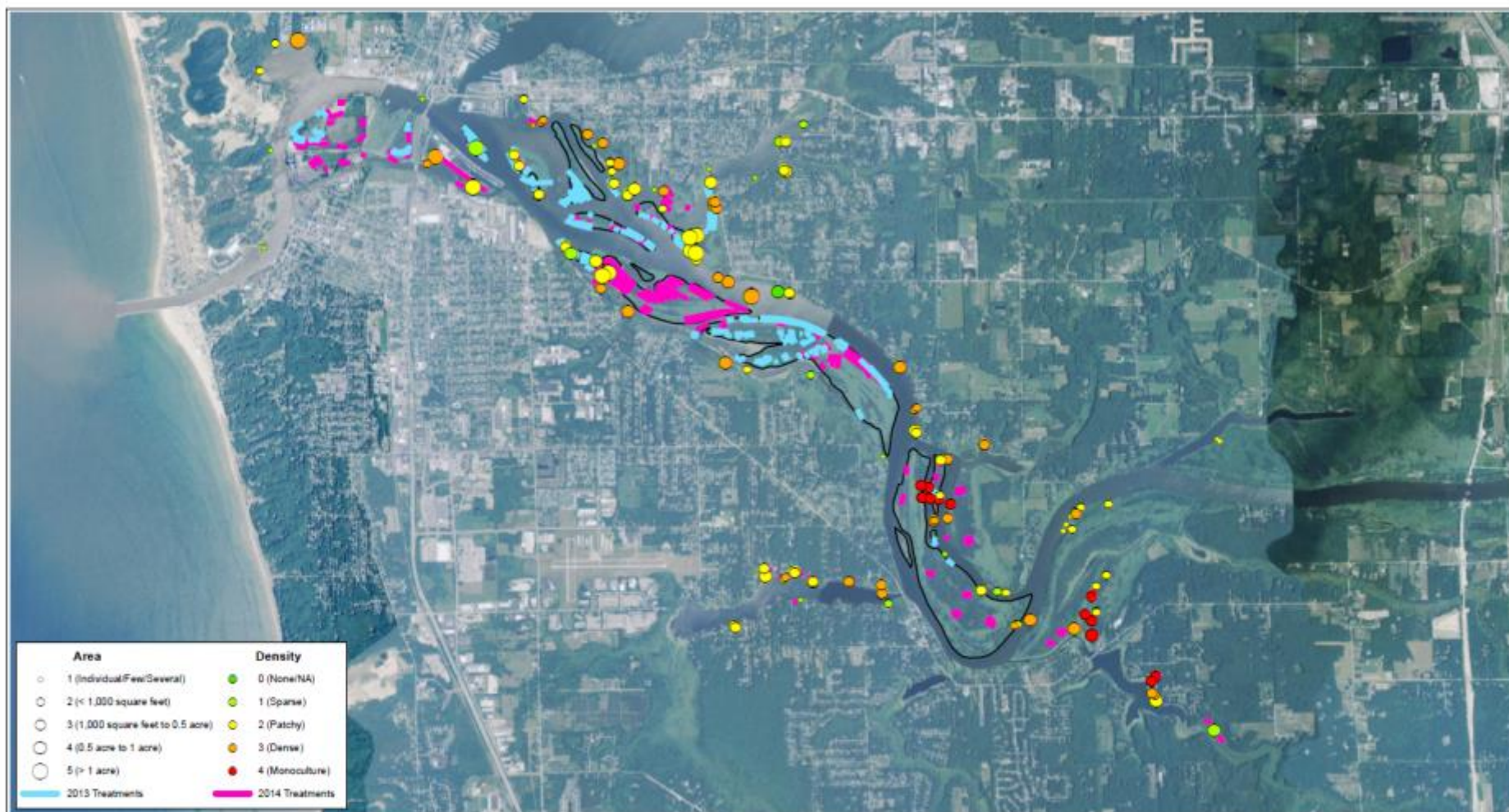
- Great Lakes Fish and Wildlife Restoration Act
- Sustain Our Great Lakes
- Grand Haven Community Foundation
- Michigan Invasive Species Grant

Donations

- Wetland Watch
- Hamilton Helicopter
- Grand Haven Board of Light and Power

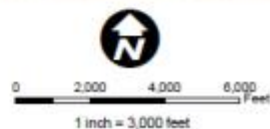
Landowner Contributions

- Ottawa County Parks and Recreation
- Michigan Department of Natural Resources
- Michigan Audubon/Owashtanong Island Audubon
- Village of Spring Lake
- City of Grand Haven
- Grand Haven Charter Township
- Over 100 private landowners



Grand River Phragmites 2015
Ottawa County, Michigan

Ottawa County Parks



Project 1509670

- 625 acres of islands: 426 State-owned, 199 private
- 10 islands ranging in size from 4.3 to 215 acres



- 3 days surveying by boat and drone
- Dead patches from previous treatments



- 8 acre island, never been treated, ~4 acres of phragmites



- **71.4 acres treated in 2015**
- **735 man hours**
- **15 days of treatments**
- **Treatments from boat, backpack and marshmaster**





Home

MAP

Jump



500 ft
Zoom: 15.6



Menu



Mark



Goto



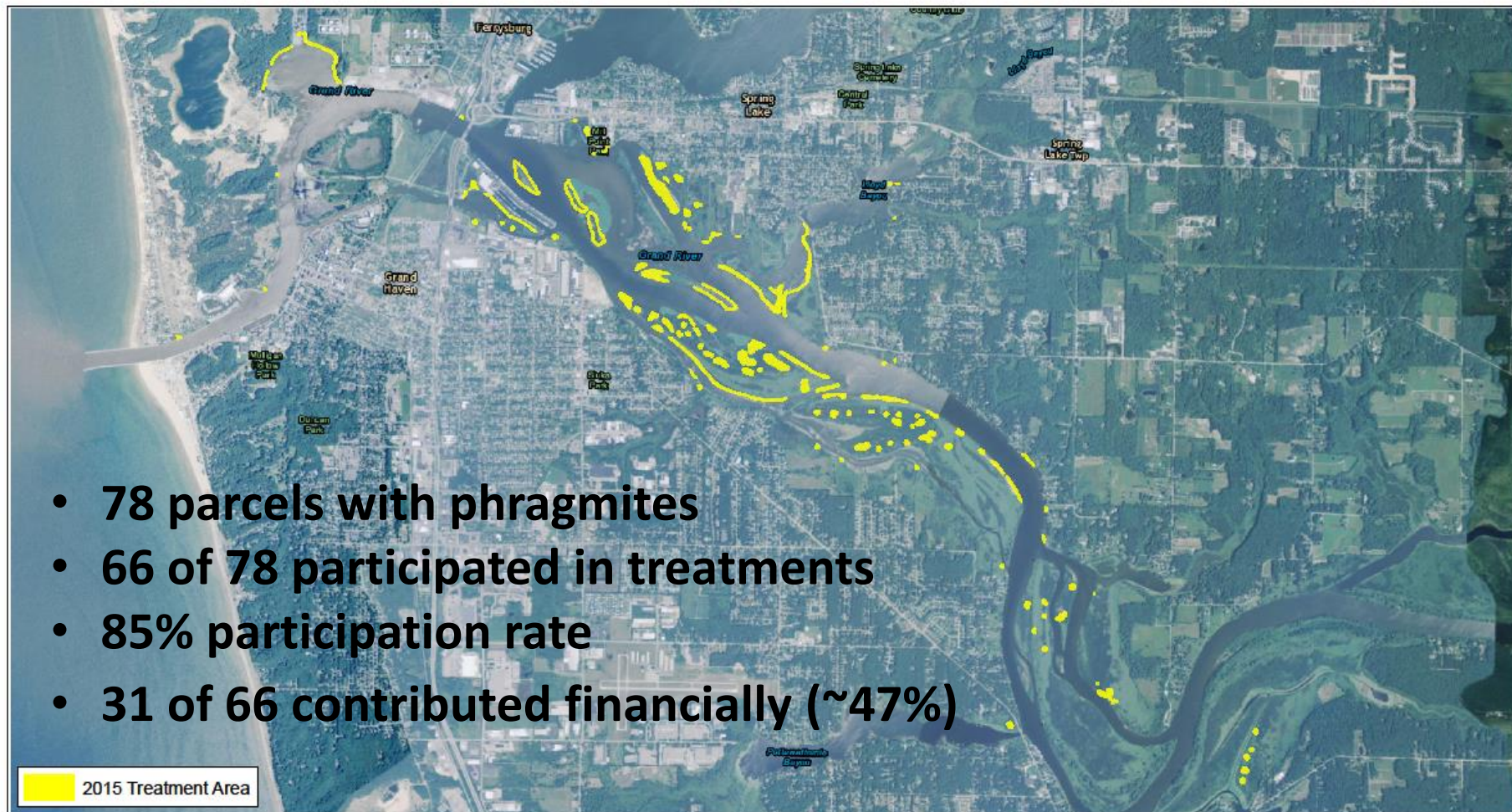
Layers



Off Track



Off Track



- 78 parcels with phragmites
- 66 of 78 participated in treatments
- 85% participation rate
- 31 of 66 contributed financially (~47%)

Grand River 2015 Phragmites Treatments
Ottawa County, Michigan

Ottawa County Parks



OVERVIEW

Project: 1509670

Figure: 1

Questions?

