

U.S. Fish & Wildlife Service



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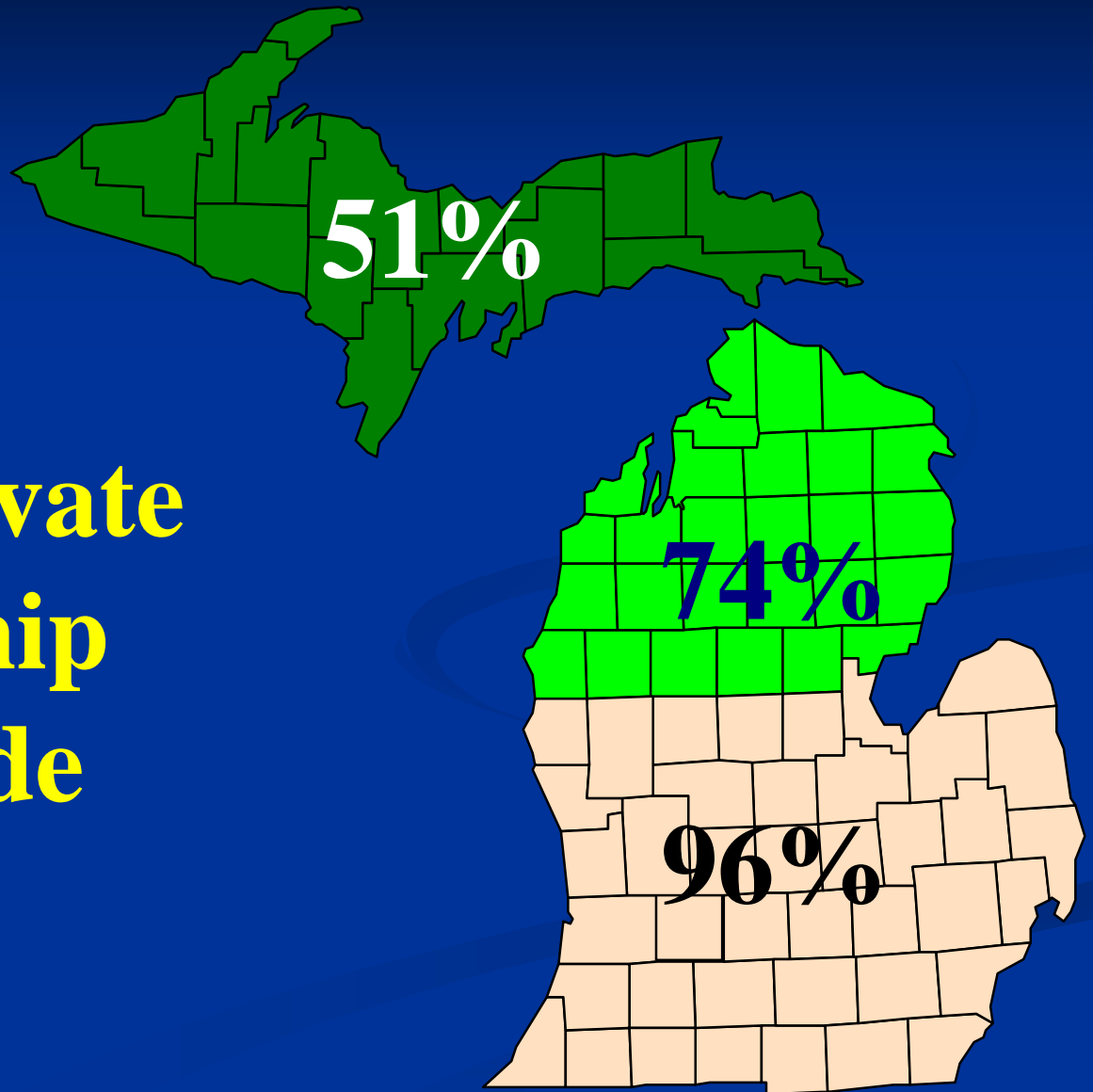
Working with others to conserve, protect and enhance fish, wildlife and plants, and their habitats, for the continuing benefit of the American people

PFW Program Basics

- *Voluntary*
- On private property
- Stewardship driven
- Technical & financial assistance
- Habitat-focused, on-the-ground changes
- 10-year agreement with landowner/partner
- Wildlife first – federal trust resources



Why Private Lands?



**~79% private
ownership
statewide**

Moving beyond public lands. . .



Working with others to provide technical & financial assistance to landowners to improve fish & wildlife habitat on private lands

Why the PFW Program...

- 13 % of land in US protected by state or federal gov't.
- 75% of Michigan under private ownership
- If we were going to conserve and protect habitat for fish and wildlife we must provide assistance to landowners



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Trust Resources



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Trust Resource Habitat



grasslands



wetlands

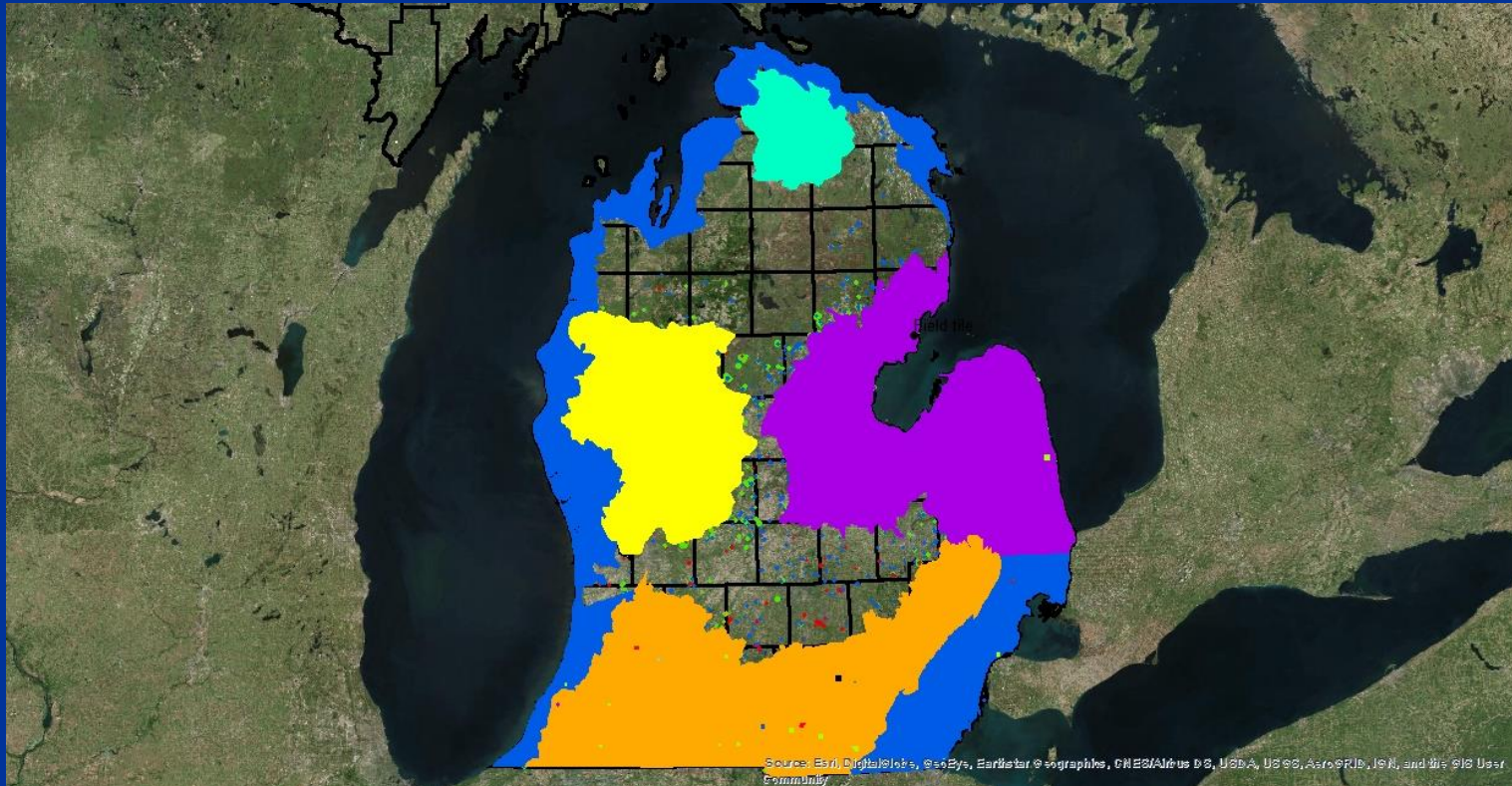


coldwater streams

PFW Program Focus Areas

Southern MI :Wetlands, Grasslands

Northern MI: Streams, Forest, Transition



****COASTAL HABITAT**

Wetland Projects

- Restore hydrology
- Control invasive species



Typical Wetland Projects

- Ditch plug
- Tile break
- Low-level berm
- Invasive species removal



Partners for Fish and Wildlife

Ditch plug

BEFORE



AFTER



DITCH PLUG



LOW LEVEL BERM



PUSHOUT/SHALLOW EXCAVATION



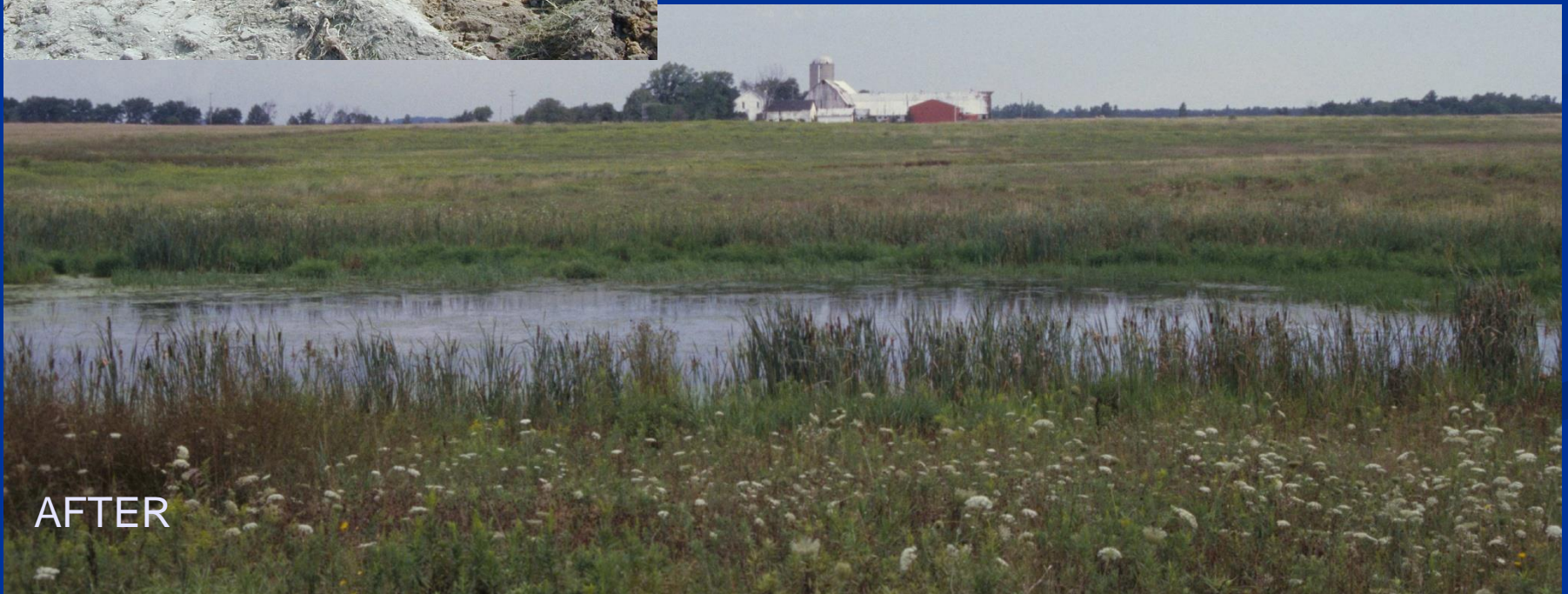
TILE BREAK/REMOVAL

Partners for Fish and Wildlife

Tile break



BEFORE



AFTER



STRUCTURE INSTALLATION



Invasive Species Treatments

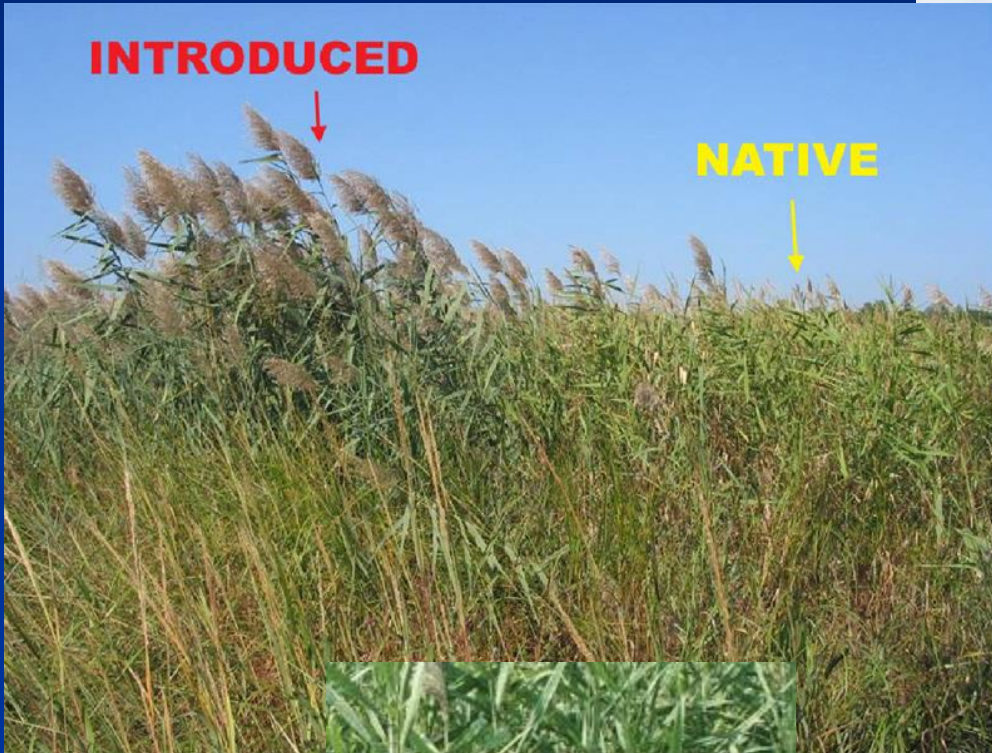


Partners for Fish and Wildlife

Invasive Species

INTRODUCED

NATIVE



**A Guide to the
Control and Management
INVASIVE
PHRAGMITES**

HOW THE INVASIVE PHRAGMITES SPREAD

Phragmites australis, also known as the common reed, has become established in the Great Lakes region wetlands. It is difficult to eradicate and displaces native plants and animals.

AVERAGE HEIGHT: 8 TO 10 FEET, BUT CAN GROW UP TO 20 FEET

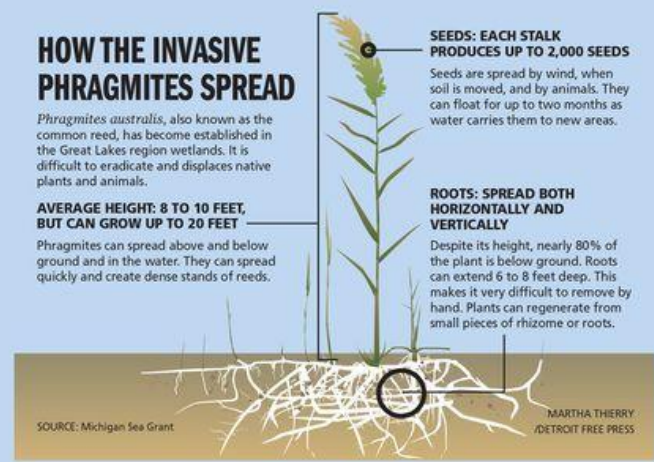
Phragmites can spread above and below ground and in the water. They can spread quickly and create dense stands of reeds.

SEEDS: EACH STALK PRODUCES UP TO 2,000 SEEDS

Seeds are spread by wind, when soil is moved, and by animals. They can float for up to two months as water carries them to new areas.

ROOTS: SPREAD BOTH HORIZONTALLY AND VERTICALLY

Despite its height, nearly 80% of the plant is below ground. Roots can extend 6 to 8 feet deep. This makes it very difficult to remove by hand. Plants can regenerate from small pieces of rhizome or roots.



SOURCE: Michigan Sea Grant

MARTHA THIERRY /DETROIT FREE PRESS

Forested Wetlands



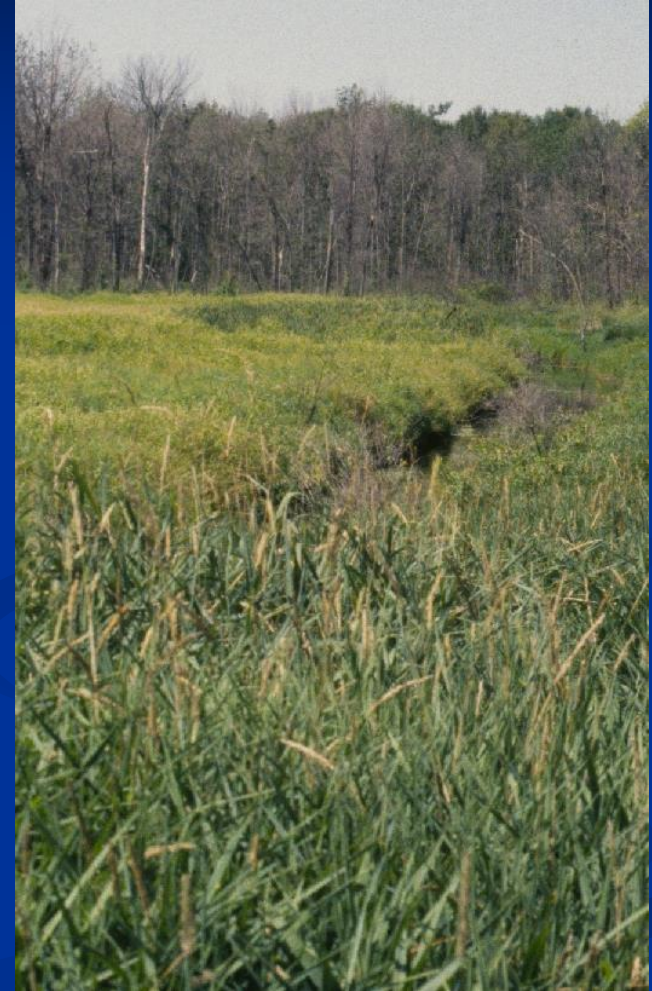
Wetland Projects

- Restore hydrology
- Reestablish shallow wetlands



Wetland Projects

- *Do not* dig ponds
- *Do not* alter undisturbed wetlands



Stream Projects

- Stream Restoration
- Road-stream crossings
- Bank stabilization
- Fish passage



T&E Projects



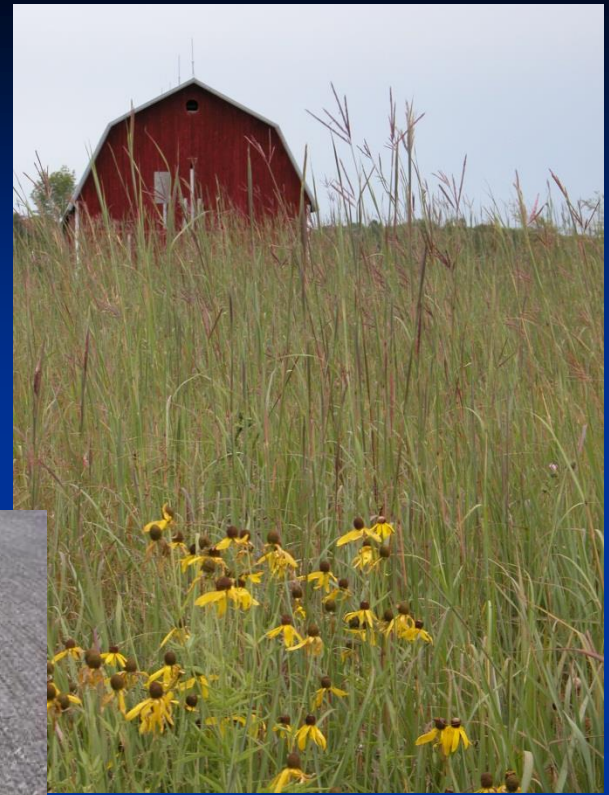
- Wet Prairie restoration/fen restoration, invasive species treatment MSB, EMR
- Wetland restoration CWS
- Tree planting CWS & KW



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Grassland Projects

Establish a diverse mix
of native grasses and
wildflowers



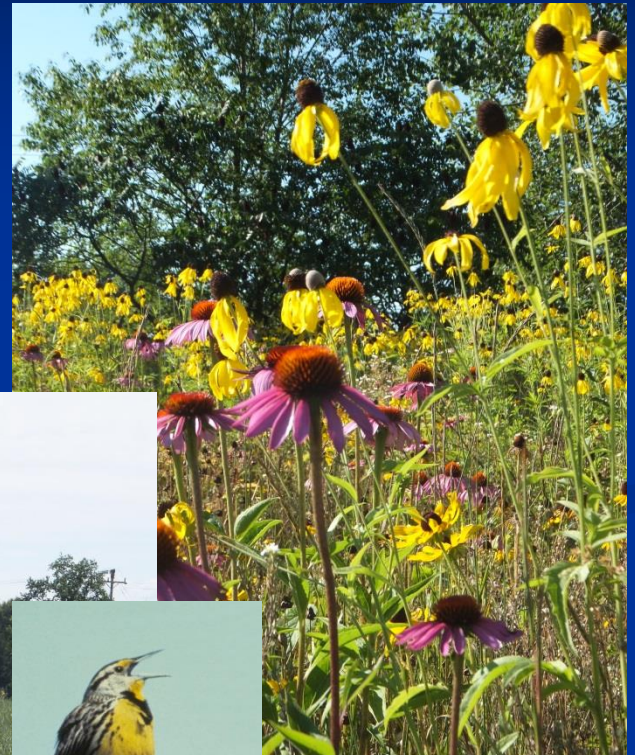
Typical Grassland Projects

- Site preparation
- Seeding
- Follow up practices
- Long-term management
- Invasive Species



Benefits from Restoration

- Improved wildlife habitat
- Improved water quality
- Recreational opportunities
- Aesthetic value
- Increased awareness
- Educational value
- Partnership building



Local Coordinators

1. Alpena FRO
2. Shiawassee NWR
3. East Lansing Field Office
4. MI Private Lands Office



Local Coordinator's role

- Site evaluation
- Project design
- Compliance
- Construction oversight
- Post-project evaluation
- Control their budget



**NEPA COMPLIANCE CHECKLIST
PARTNERS FOR FISH AND WILDLIFE PROGRAM**

FWS Field Station: _____

Landowner/Project Name: _____

Project Location : State _____ ; County _____ ; Twp. _____ ; Range _____ ; Section _____

This proposal is; is **not** completely covered by categorical exclusion No(s). 1.4 B (3), 516 DM 6 Appendix 1.
(check (✓) one) (Review proposed activities. An appropriate categorical exclusion must be identified before completing the remainder of the Checklist. If a categorical exclusion cannot be identified, or the proposal cannot meet the qualifying criteria in the categorical exclusion, an EA must be prepared.)

Exceptions:
Will This Proposal (check (✓) yes or no for each item below):

| Yes | No | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Have significant adverse effects on public health or safety. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Have adverse effects on such unique geographic characteristics as historic or cultural resources, park, recreation or refuge lands, wilderness areas, wild or scenic rivers, sole or principal drinking water aquifers, prime farmlands, wetlands, floodplains, or ecologically significant or critical areas, including those listed on the Department's National Register of Natural Land marks. |

Landowner's role

- Sign 10-yr agreement
- Cost share
- In-kind services
- Permit fees
- Maintenance



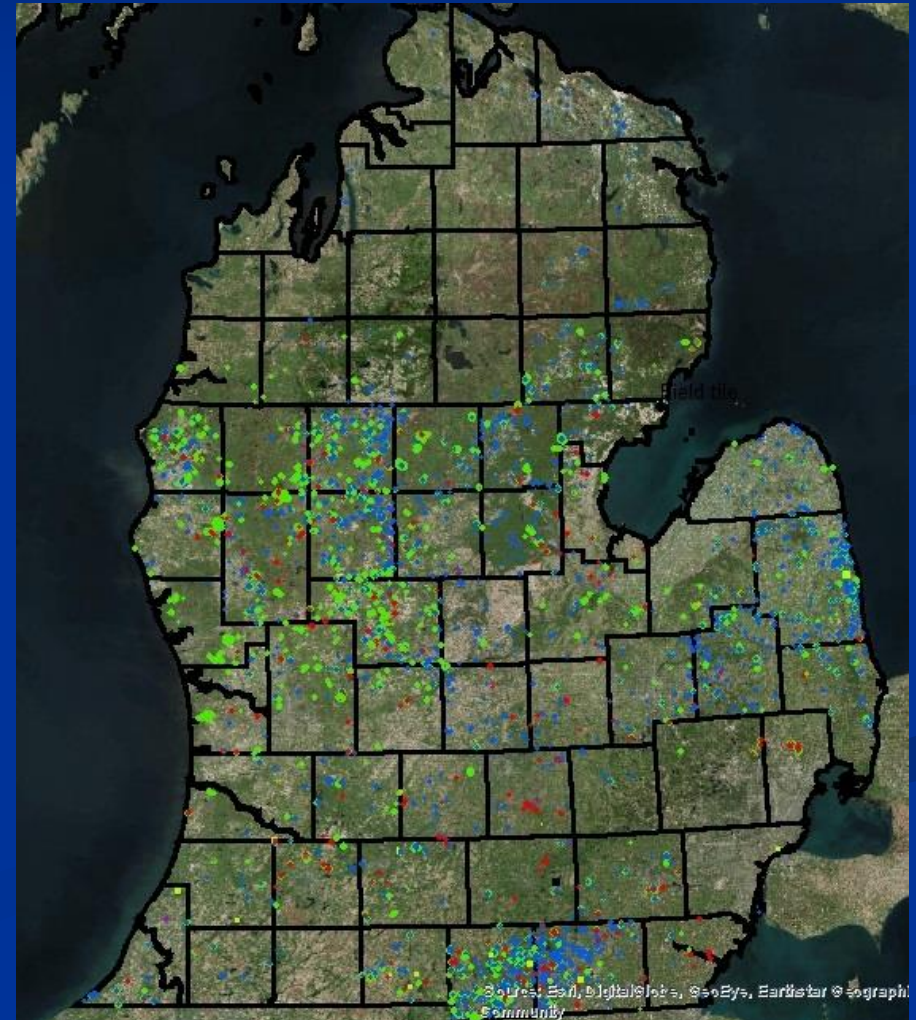
PARTNERS FOR FISH AND WILDLIFE HABITAT DEVELOPMENT AGREEMENT



This Agreement between _____ (Cooperator(s)) and the U.S. Fish and Wildlife Service (Service) is authorized by the Fish and Wildlife Coordination Act, 16 U.S.C. Sections 661-666c and the Fish and Wildlife Act of 1956, 16 U.S.C. 742a-j. The Service and the Cooperator(s) agree to carry out certain wildlife management practices and habitat developments on land owned by the Cooperator(s) as described in the attached Project Plan and identified on the on the attached map and/or aerial photograph.

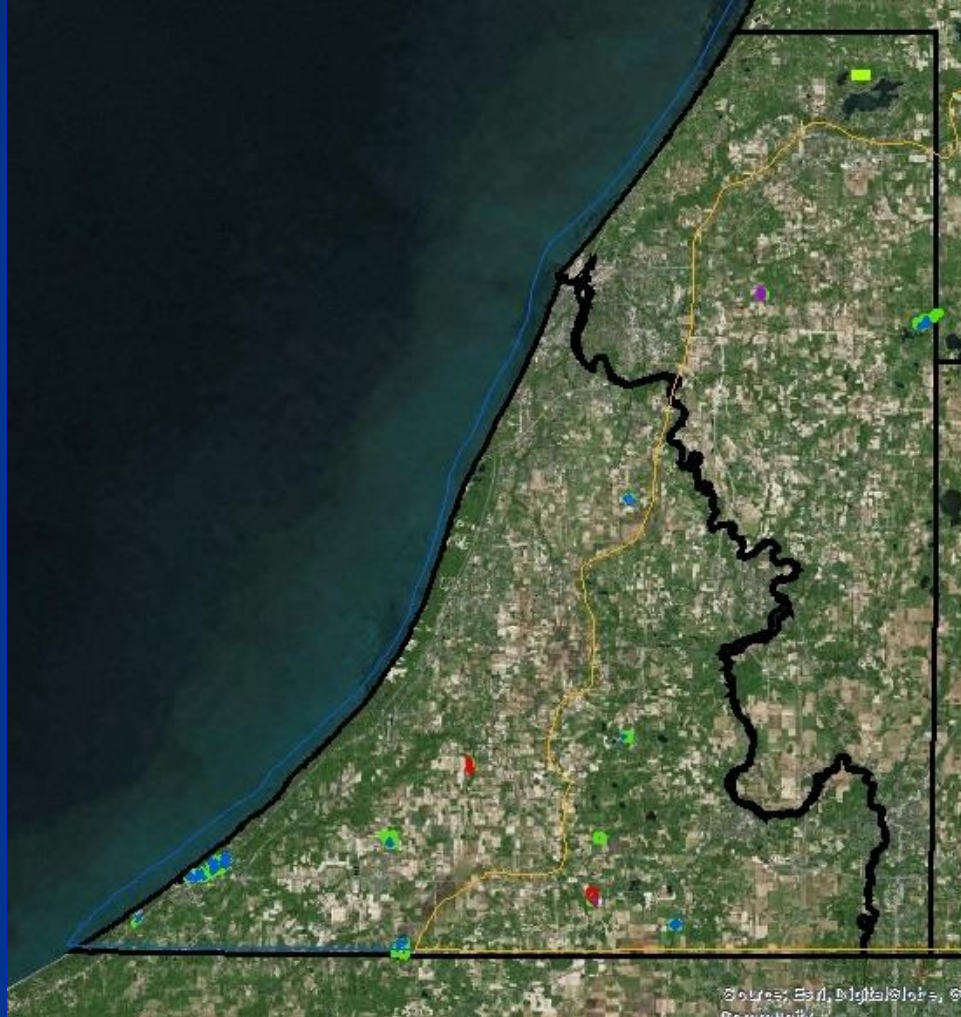
PFW accomplishments (1988-present)

- > 4000 projects
- > 35,000 acres
- > \$5.3 million FWS
- > \$11.9 million total

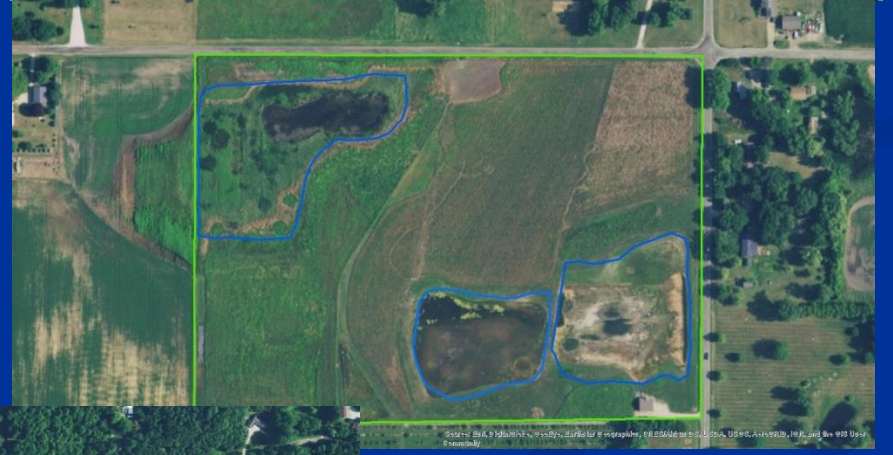
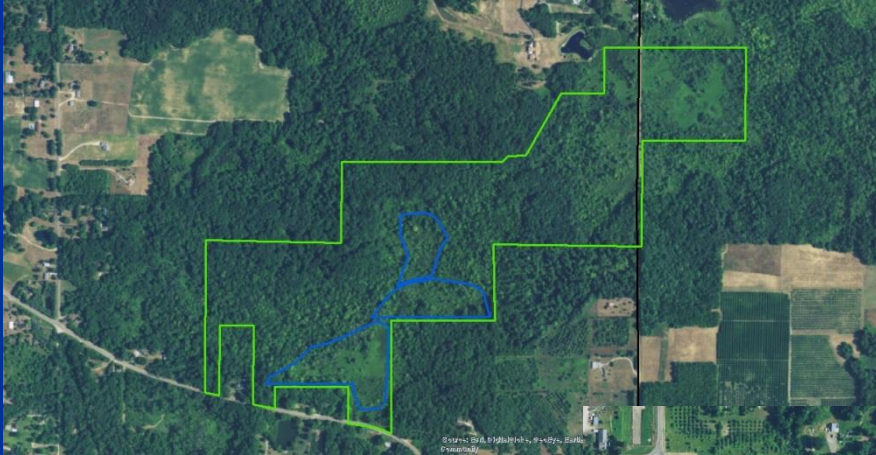


Berrien County Projects

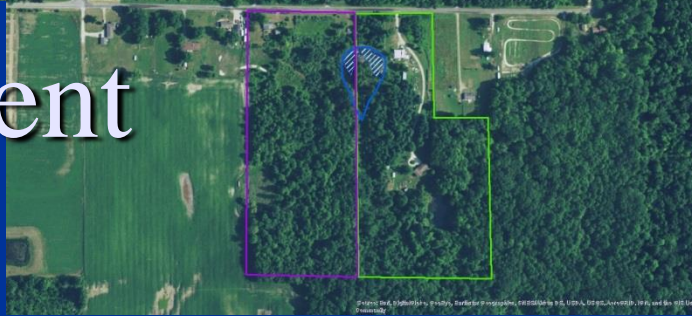
Let's do more!!



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Past & Current
Projects



Project Success?

- Did we create quality projects?
- Did wildlife respond?
- Are landowners satisfied?

YES, YES, and YES!



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We're from the government. . .



... and we
are here to
help!



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Thank You!

For More Information

www.fws.gov/midwest/partners

or

Google: USFWS Partners for Fish
and Wildlife Michigan

- Meri Bryant, USFWS
517-351-6238
meredith_bryant@fws.gov