

[illegible]

- Drains 8,709 mi²
- 15% of MI's total land area
- 7,000 miles of rivers!
- 45% agricultural land use
 - Corn
 - Soybeans
 - Wheat
 - Drybeans
 - Sugar Beets
 - Potatoes
 - Cucumbers

Saginaw Bay Watershed RCPP

Saginaw Bay Watersheds RCCP

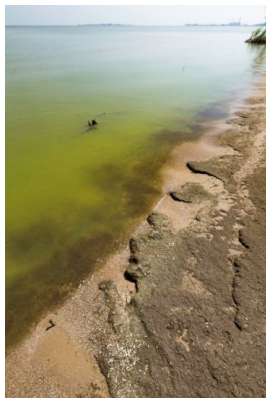
This map displays the Saginaw Bay Watersheds RCCP, showing various watersheds and counties in Michigan. The watersheds are color-coded and labeled:

- Green:** Cass River Watershed
- Purple:** Kawakwin River Watershed
- Blue:** Pigeon/Pinnebog Rivers Watershed
- Yellow:** Pine and Chippewa Rivers Watershed
- Orange:** Sebewang River Watershed
- Dark Blue:** Shiawassee River Watershed
- Light Blue:** Saginaw Bay Watershed

The map also shows surrounding counties, including Wexford, Missaukee, Roscommon, Ogemaw, Isabella, Osceola, Clare, Gladwin, Arenac, Bay, Huron, Tazewell, Saginaw, Montcalm, Genesee, Lapeer, St. Clair, Kent, Ionia, Clinton, Shiawassee, Livingston, Washtenaw, Wayne, Macomb, and Oakland. A scale bar indicates distances from 0 to 40 miles.

Saginaw Bay Watershed RCPP

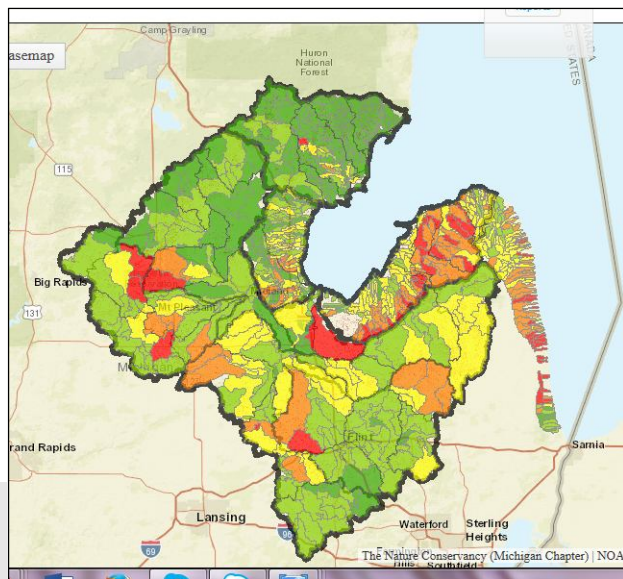
Who?
What?
Where?
When?
Why?



Saginaw Bay Watershed RCPP

Who?
What?
Where?
When?
Why?

Assessment of Water Quality
based on Fish Index of Biotic
Integrity (IBI)



Saginaw Bay Watershed RCPP

Who?
What?
Where?
When?
Why?

Saginaw Bay Watershed Longterm (20yr.) Implementation Goals				
Phase I Watersheds	IBI Goal	Acres Needed	% of row crop	% of watershed
Pigeon/Pinnebog*	80	43,500	30%	20%
Cass	90	62,000	26%	11%
Shiawassee	90	<u>102,500</u>	35%	13%
Phase I Total:		208,000		
Phase II Watersheds	IBI Goal	Acres Needed	% of row crop	% of watershed
Chippewa-Pine	90	73,500	33%	11%
Sebewaing*	80	89,000	45%	35%
KawKawlin	90	<u>20,500</u>	35%	14%
Phase II Total:		183,000		
Additional Watersheds	IBI Goal	Acres Needed	% of row crop	% of watershed
Flint	90	107,500	46%	13%
Tittebewassee	90	86,500	64%	9%
Saginaw	90	54,500	63%	34%
Bird Creek	80	12,500	20%	12%
Pine-Pinconning	90	12,000	17%	10%
Au Gres	90	<u>5,500</u>	12%	1%
Additional Watershed Total:		278,500		
TOTAL NEED:		669,500	37%	13%

Saginaw Bay Watershed RCPP

Who?
What?
Where?
When?
Why?



2014: Proposal Submitted
(1st round of RCPP)

2015: **\$10M** Project Awarded

2020: Project Ends

Saginaw Bay Watershed RCPP

What makes this project unique?

Who?	
What?	1. Agribusiness as a recruitment method
Where?	
When?	
Why?	2. Measuring success by tracking environmental impacts
	3. Pre-screening process to focus \$ on areas with largest ROI

Saginaw Bay Watershed RCPP

Who?	<u>\$10M Project:</u>
What?	• \$2M reserved for NRCS
Where?	• \$381K for MSU-IWR
When?	• \$7.62M for farmers (via EQIP)
Why?	
	\$0 for agribusiness
	\$0 for TNC

Saginaw Bay Watershed RCPP

Who?	No Till/Strip Till
What?	Cover Crops
Where?	Filter Strips
When?	Nutrient Management
Why?	Drainage Water Management
	Grassed Waterway



Pre-screening Process



Great Lakes Watershed Management System

Note: If you would like access the legacy Great Lakes Watershed Management System, please use this [link](#).



Learn more about the Great Lakes Watershed Management System



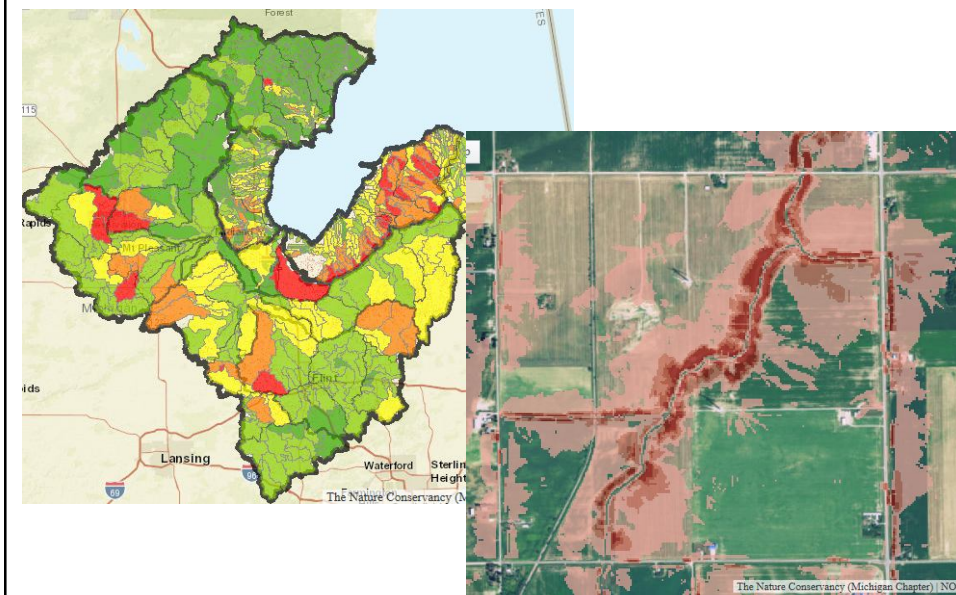
Work with our team to customise the Great Lakes Watershed Management System for your needs



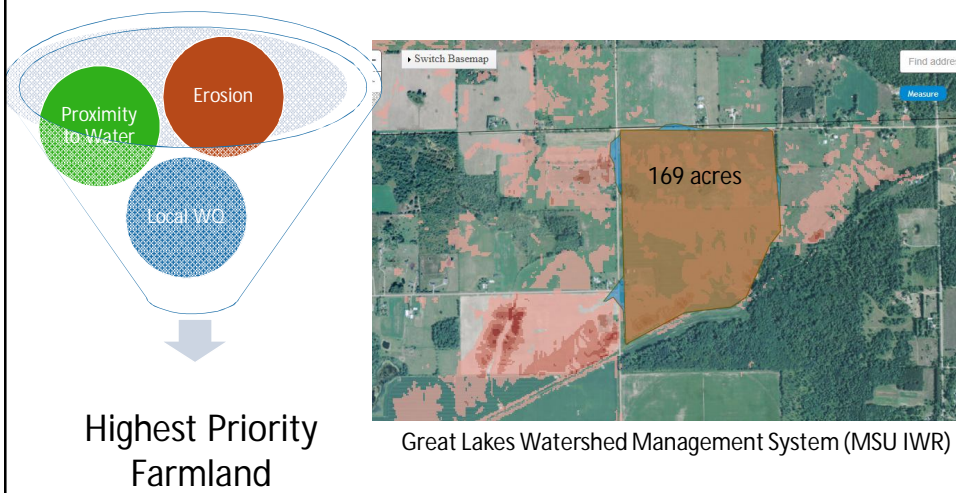
Access how-to materials, learn about the models used in the system, and view upcoming training events.

<http://www.iwr.msu.edu/glwms2/>

Pre-screening Process



Pre-screening Process



Saginaw Bay Watershed RCPP

Who?

What?

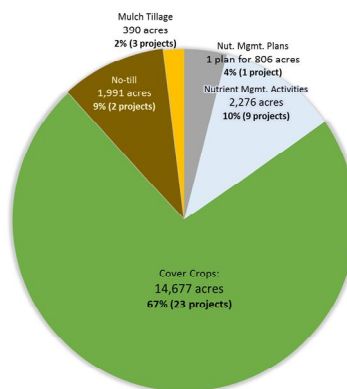
Where?

When?

Why?

Achievements:

- Met or exceeded all project goals & deliverables
- 2,801 tons of soil saved
- 15,500 lbs P saved
- 59,650 acres of BMPs
- \$7.695M allocated



Saginaw Bay RCPP

Who?

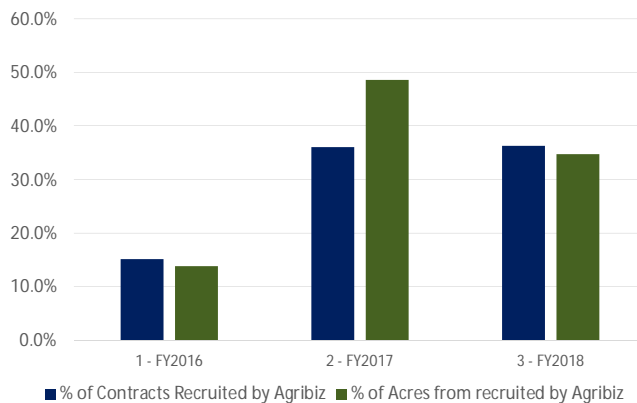
What?

Where?

When?

Why?

Recruitment by Agribusiness



MF1

What Are We Learning?

What can you get for \$1M?



950
Tons



Farm Bill

6,000
Tons



Pay for Performance

Slide 17

MF1 Mary Fales, 3/5/2019