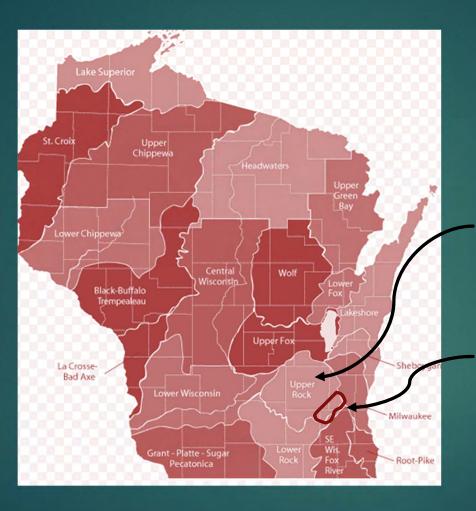


### Presenting:

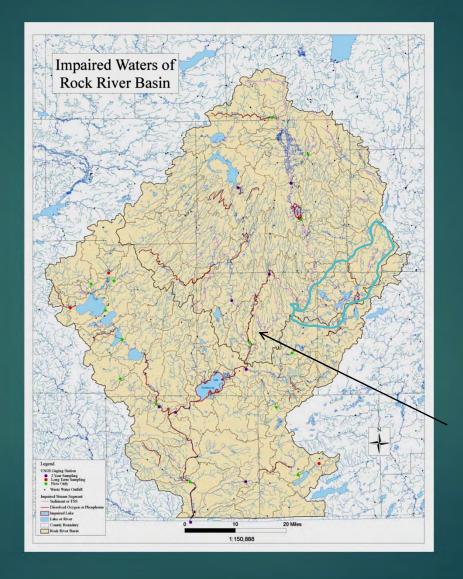
- ► Introduction The Shed and WHY Adaptive Management
- Engaging the right people from the start / Structuring for Success
- Target areas and project work
- Monitoring Early and Ongoing
- ▶ Farmers For Lake Country
- Education and Outreach
- Regional Conservation Partnership Program
- ▶ Program Partners
- Overall program progress
- ▶ 2020 Goals



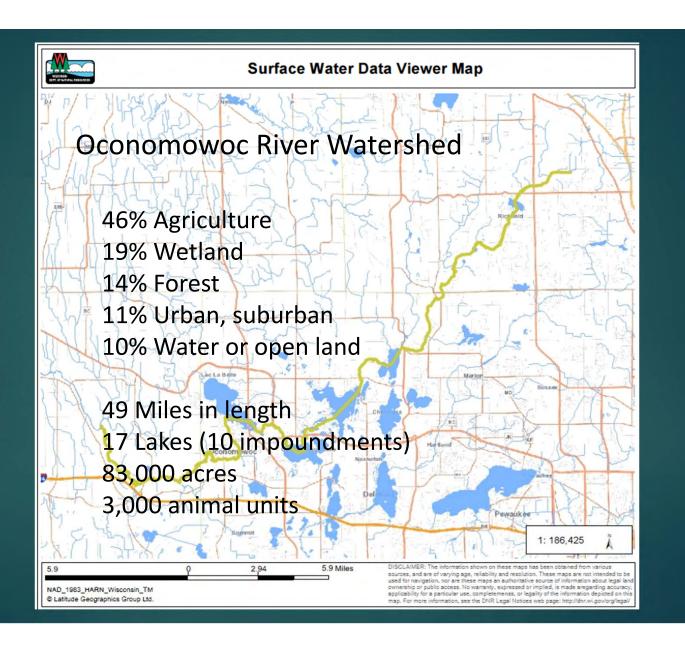


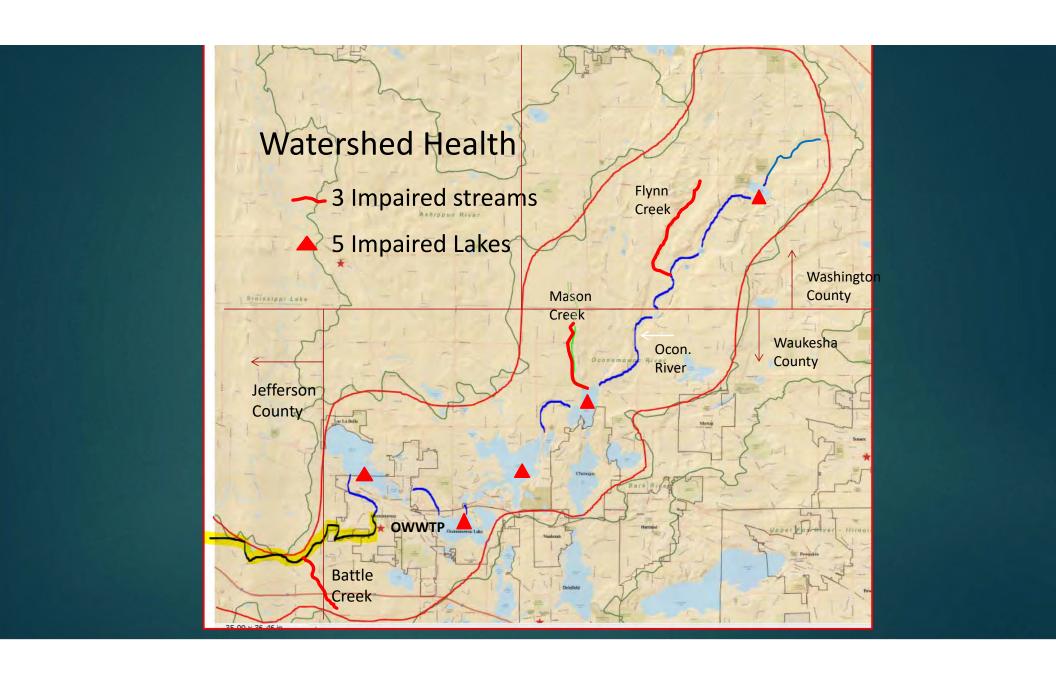
Rock River Watershed

Oconomowoc River Watershed Rock River Impaired Waterways

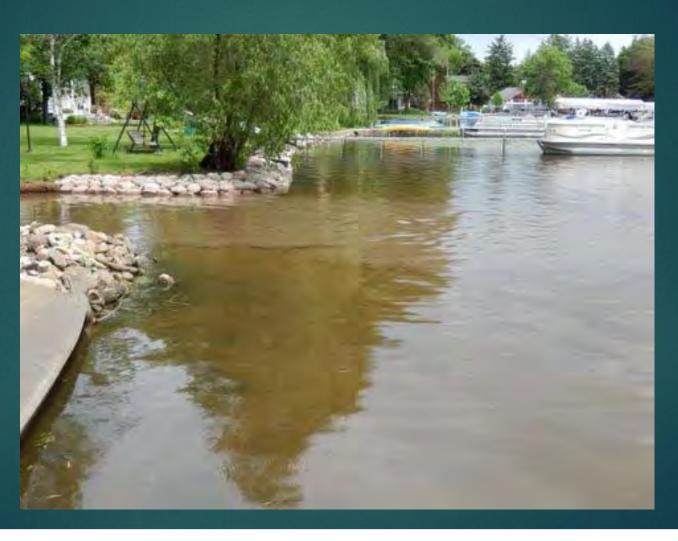


Impaired reaches in red.





### Mason Creek - June 2015





# Oconomowoc WWTP The only treatment facility in the watershed



# The City's Options: 2012 - 2014 Evaluation

CAPITAL PROJECTS AT THE PLANT AND IN STORM WATER SYSTEM – MEET LIMITS OF 0.17 MG/L

**ADAPTIVE MANAGEMENT** 

**EFFLUENT TRADING** 

## 2014 - ADAPTIVE MANAGEMENT Selected

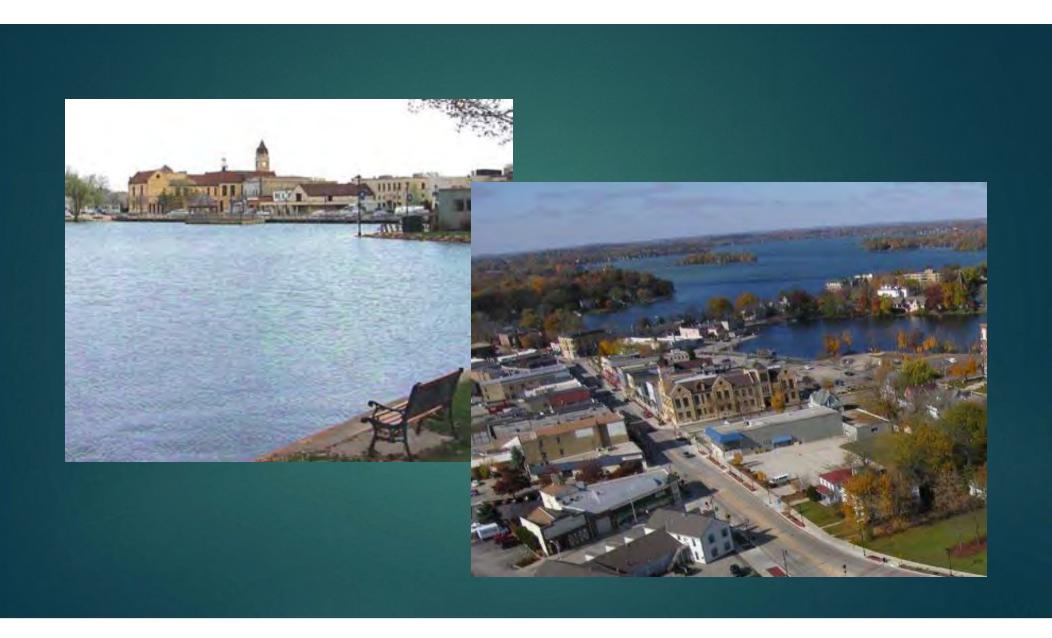
- > \$\$\$
- > BUY TIME
- > ASSURE WQ OF CITY LAKES
- ➤ TMDL ATTAINABILITY 5,000 LBS REMOVAL NEEDED

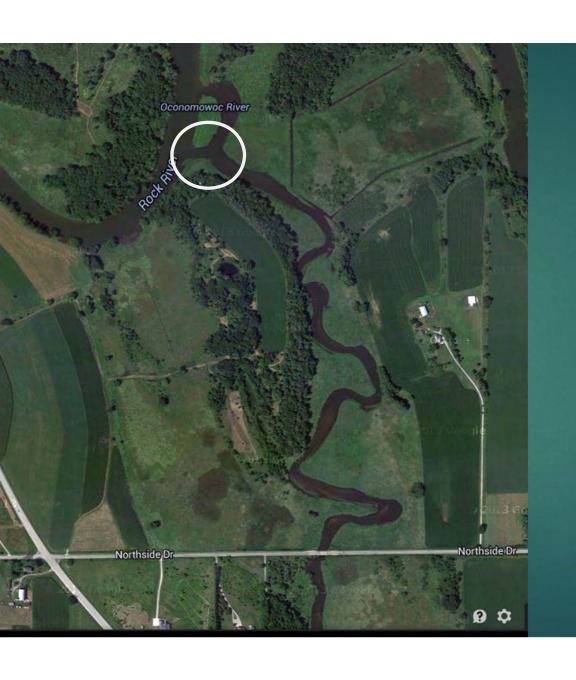




Protection of City's Gems, and Quality of Life







## TMDL Attainability:

2015 STATUS - 0.09 MG/L TOTAL PHOSPHORUS

CRITERIA FOR COMPLIANCE WITH RR TMDL - **0.075** 

### TMDL Attainability – By the numbers

- 5,000 LBS REMOVAL NEEDED
- OVER HALF FROM PLANT REDUCING TO 0.5 MG/L
- STORM WATER IMPROVEMENTS IN CITY = 1,000 LBS?
- 2,000 + FROM AG BMPS

2014 - 2015

RCPP - Approved - Jan. 2015

ADAPTIVE
MANAGEMENT –
Approved - Sept. 2015

THE OWPP IS BORN!





## Engaging the Right People:

- ► Field Representative
- ► Expert with experience with the geography/farming practices
- Partners who are already engaged
- ▶ Consultants who have the resources and horsepower to get the 'big stuff' done.
- ► A "Legal Eagle"

# Critical Source Areas (CSAs) Waukesha and Jefferson County

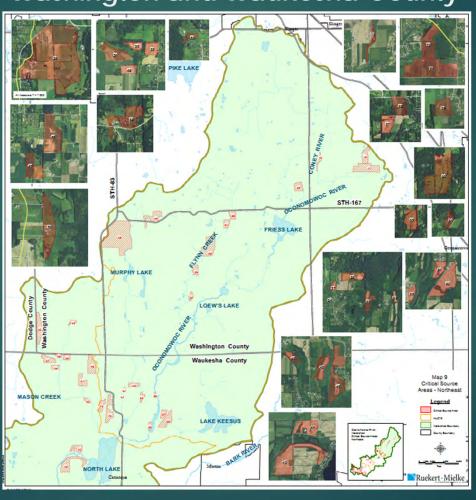


AMP Identified:

79 Critical Source Areas

Over 1,700 acers in total.

# Critical Source Areas Washington and Waukesha County









#### Project No. 45

11 Acres total x 10 years
Harvestable cover Hotspot 4





#### Project No. 53, CSA No. 38

10 Acres total x 5 years Harvestable cover Hotspot 5





#### Project 6, CSA 7

6,5 acres
Animal control fencing
10 years
Ditch and river buffers

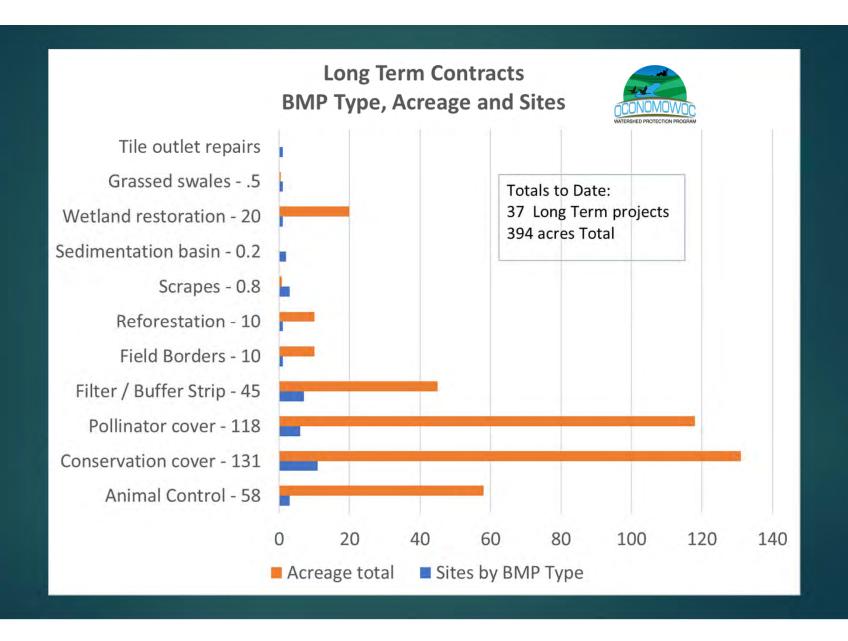
Project No. 21, CSA No. 34 Jefferson County

Wetland restoration Berm & ditch check Pollinator & scrape Conservation Cover 100 + acres, 10 years







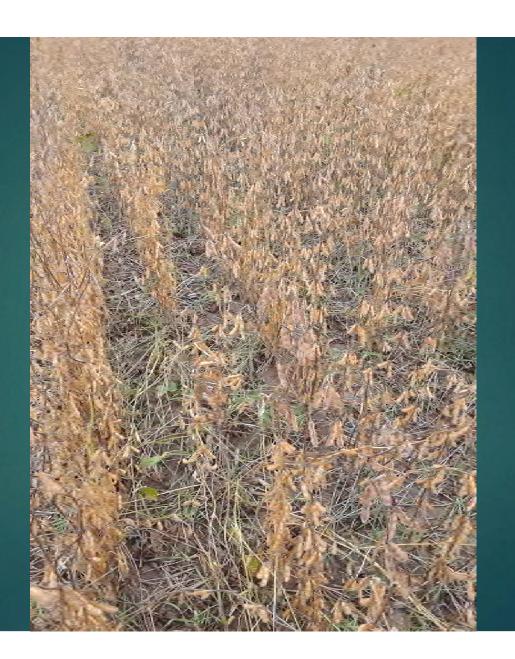






Bean field before harvesting

Rye is 3 – 6" tall growing in between soybeans



### Fall Cover Crop Seeding Project – 2019 Summary

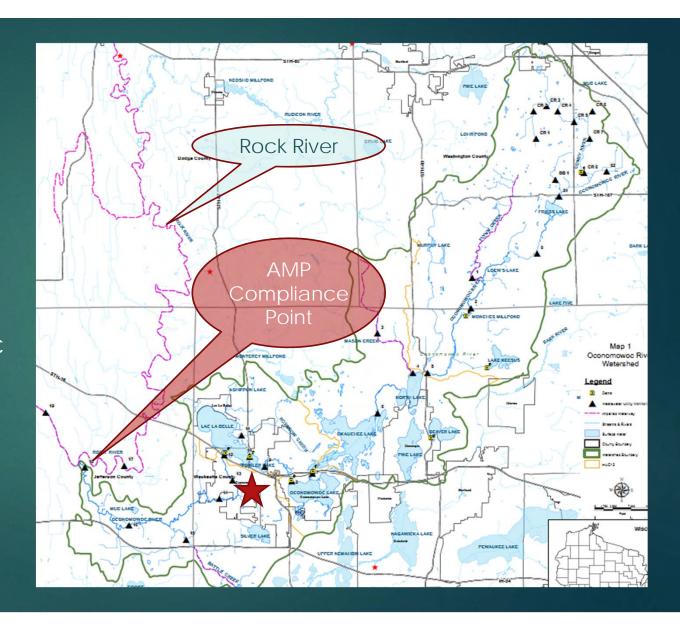
- ▶2,645 acres covered
- ➤Over 100 fields
- >77 tons of seed planted
- ➤Rye, wheat, all grown locally
- ➤ 10 Farmers involved
- >4 new farmers
- ➤ Planted in September in 4.5 days
- Ave. of over 500 acres planted per day.

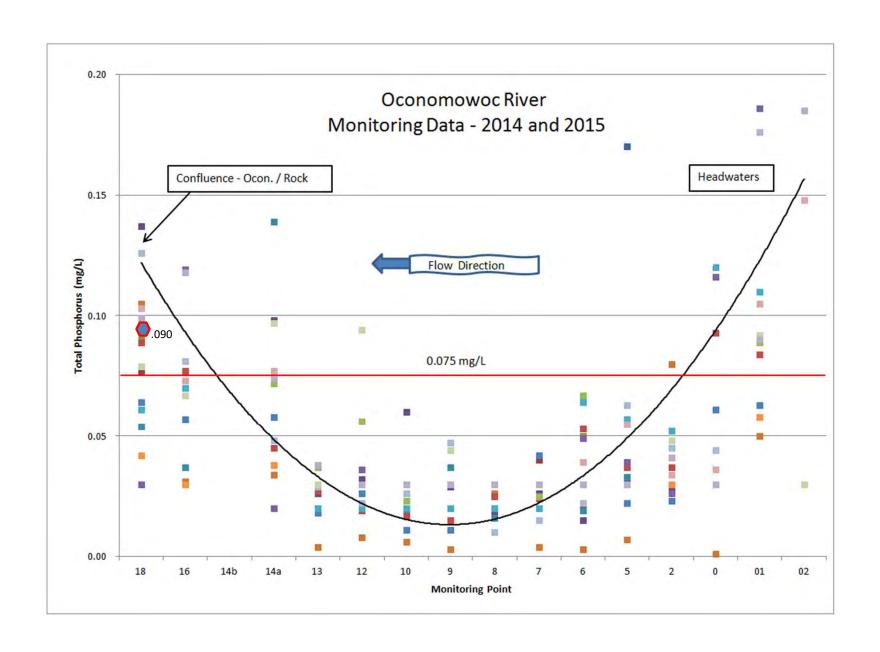


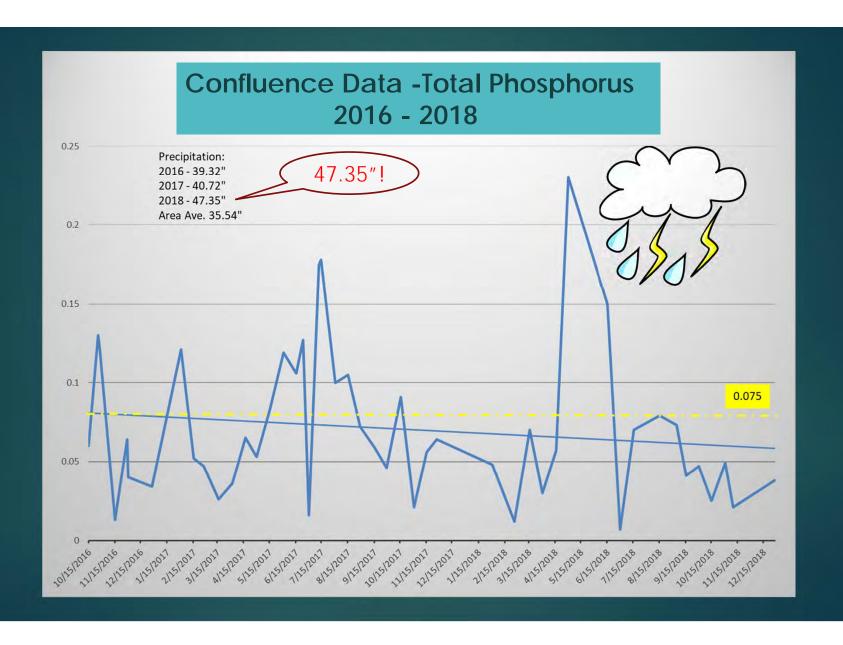
# Monitoring Programs:

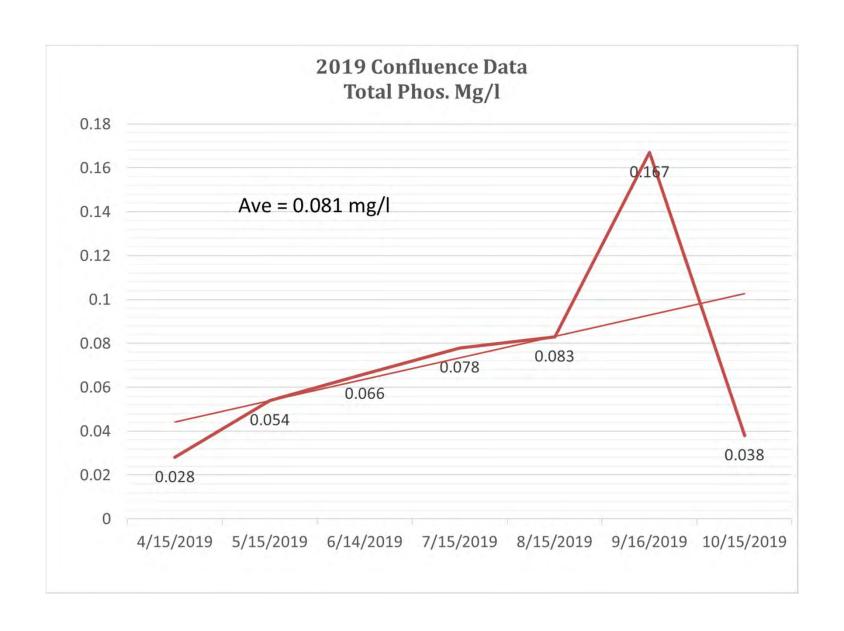
- ▶ Baseline
- Mud Chasers
- ► Mason Creek Specific
- ▶ Chlorides

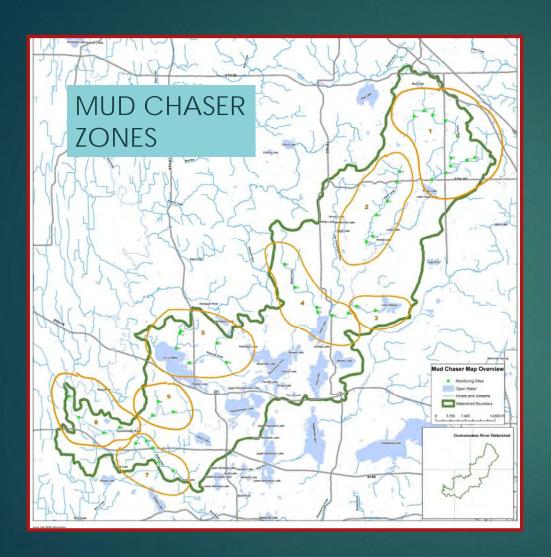




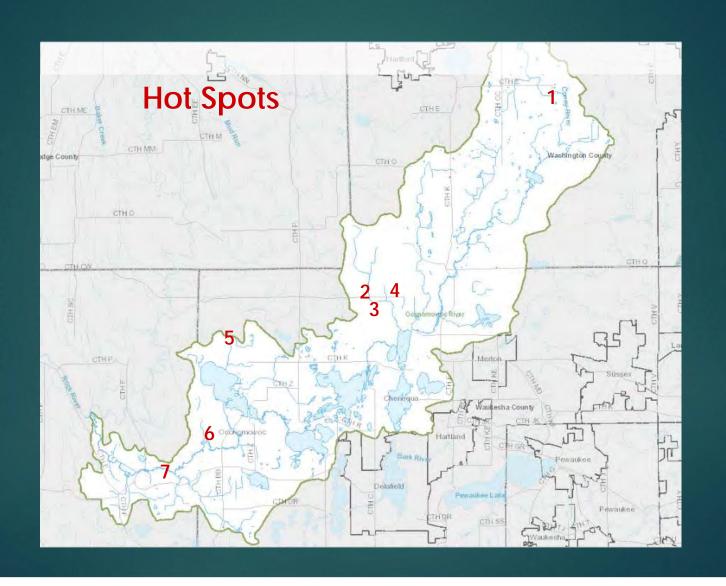
















HOME NUTRIENT MANAGEMENT PLAN AERIAL COVER CROP SEEDING FARMER EDUCATION EVENTS

WATER FRIENDLY FARM PROGRAM LAND CONSERVATION OPTIONS GET INVOLVED!



Farmers for Lake Country is a farmer-led group managed by the Oconomowoc Watershed Protection Program to assist with farmer education and engagement in conservation cost-share programs. The

- 1		
Search		



- ▶ John Koepke
- ▶ Bill Ingersoll
- Dick Morris
- Don Gallo
- ▶ Kyle Zwieg
- Dennis Stuettgen
- ▶ John Simon

- Darrell Smith OWPP Ag Coordinator
- ▶ Pat Murphy former NRCS Official
- Dean Ebert Agronomist Helena Agri
- Susan Buchanan TPC
- ▶ Kevin Freber OWWTP
- ▶ Tom Steinbach TPC/OWPP

# Educational workshops

- ▶ Healthy Lakes Conference
- Farmer Appreciation Pig Roast
- ▶ Paddle Event
- DNR/DATCP Regulations Review winter manure management
- ▶ Town Hall Updates



### The Feisty Few











- No-Till practices
- Planting green
- Early season cover planting



### Education and Outreach







Soil Health Field Day









### OWPP NEWSLETTER

### Debut Edition – October 2019

Webster Lhouse I

### streamings

Oconomovoc Watershed Protection Program Neveletter





EARMERS



## OCONOMOWOC

### WELCOME TO THE FIRST ISSUE

OF THE OCONOMOWOC WATERSHED PROTECTION PROGRAM (OWPP) NEWSLETTER

Look for this publication to arrive at your mafflox or in your e- said two to three times per year starting in 2020. Packed with great information, this assweriter will serve as your connection to important updates and information on program progress, new practices and technology, upcoming training events, and educational opportunities.

### The History of the OWPP

In 2014, the Cay of Occasionous was facing new, more stringent expatements on soluting plaushous in the Occasionous Bare due to increasing algor blasson and surface water quality degradation aroun Whereint and the US. The options to meet the new sequencements were to install new equipment with a way high price tag at the watershed restinent plant and in the stores water system or work throughout the entire 49 role watershed. The City recognized the clear benefits of working in the watershed and in Superadure of 2015 the OWPP was been. The program was approved by the Waccount Department of Natural Resources (WENR) under the role of a new yoggmen called Adaptive Managoment. Through the Adaptive Managoment program, the City has partnered with many catifica across Washington, Warkacha, and Edinous countries through which the river forws. The partners in this program include government agracies, sunstiqualities, non-positi organizations, controvamental groups, agricultural gouque and coups, private bankownes, and federal and county hard and water agreeates. The overall goal or one program and course hard and water agreeates. The overall goal county hard and water agreeates.

(continued on page 2)

### **UPCOMING EVENTS**

FRI / DEC 13 / 2019 9a-2:30p

Nutrient Management Training Hands on training for YOUR plan.

### THURS / JAN 9 / 2020

9a-2:30p Manure Application Making sense of the regulations

### THURS / FEB 20 / 2020

6p-8p Water Quality & Your Watershed Oconomowoc Community Cente

### FRI / JUNE 5 / 2020

Healthy Lakes Conference

### SAT / AUG 15 / 2020

12th Annual Ride to the Barn Camp/Quad





### Regional Conservation Partnership Program

- Applied for in 2014. Award in 2015. 1 of 3 in WIS. & of 100 in the country.
- NRCS Program, USDA
- Part of Farm bill
- Conservation measures for soil, water, wildlife and natural resources
- Build partnerships, leverage resources on watershed scale
- Awarded 2<sup>nd</sup> 5 year cycle in November 2019.



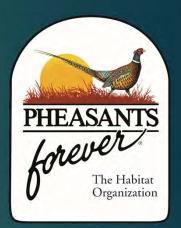












oconomowocwatershed.com



- ▶ Over 135 fields touched in some way.
- ▶ 2,238 acres covercropped via helicopter.
- ▶ Two Hot Spots addressed.
- ▶ 39 producers active in program.
- One stormwater management project completed.
- ► Four educational events held.
- ▶ 2,625 lbs P reduced. (conservative estimate)
- ▶ 1.3 Million Pounds of Algae eliminated
- Long term soil health benefits Priceless!



### OWPP - **2020** Goals

- Add Critical Source Area Projects several in progress.
- ► Continue to address Hot Spots.
- ▶ Increase seasonal covercrop acreage to 2,800.
- ▶ Reach out to the "seldom seen".
- Completion of large stormwater project within the City.



