

# Waushara County Land and Water Resource Management Plan 2021



Waushara County Land Conservation and Zoning Department

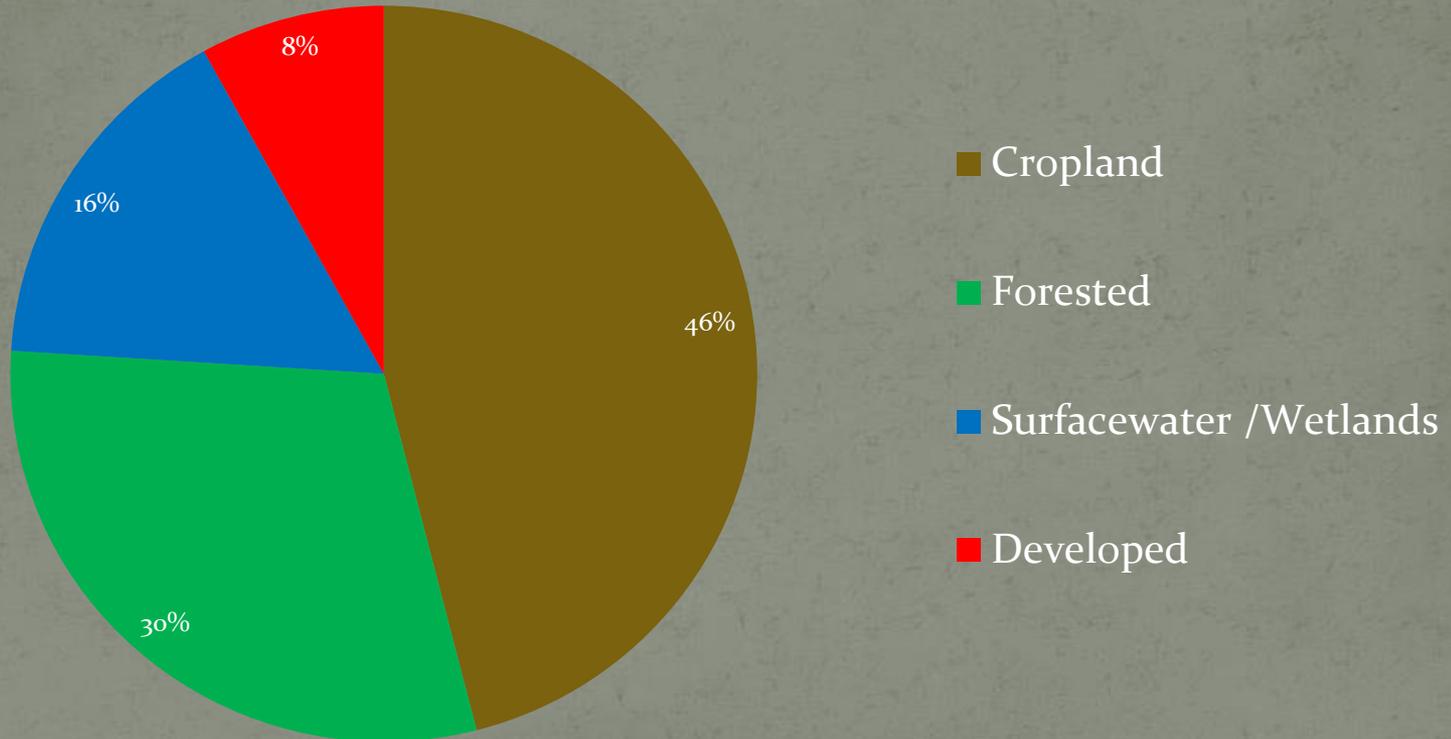
# Waushara County, Wisconsin

## Location and Makeup

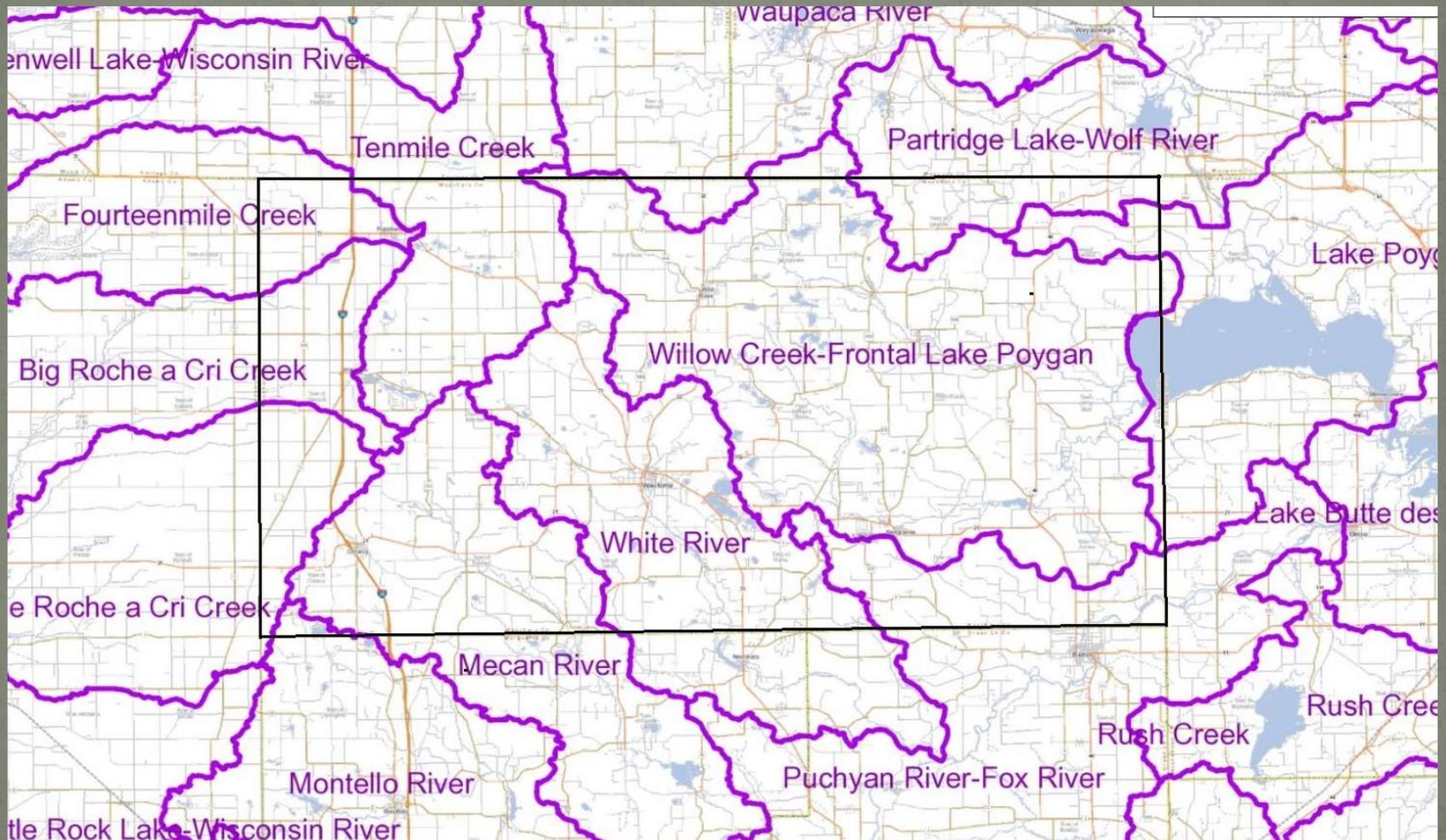


- 18 Townships
- 6 Villages
- 2 Cities
  
- Population: 24, 033
- Land Area: 638 Mi<sup>2</sup>
  - 408,122 Acres

# Waushara County Land Base



# Waushara County HUC 10 Watershed Map



The Waushara County Land and Water Resource Management Plan was approved by Waushara County Land, Water and Education Committee on October 6<sup>th</sup>, 2021.

- The driving force behind the development of the Waushara County LWRM Plan was the opportunity to establish a true locally driven process. Individual citizens, units of government, local and state agencies worked together to develop a framework which:
  - Positively integrates natural resource management programs
  - Establishes an effective information and education strategy
  - Secures funding sources that provide the necessary flexibility to allocate staff and financial resources where they will do most towards accomplishing resource management objectives

# Waushara County LCD Mission Statement

- Promote conservation of our natural resources to a diverse group of landowners and future landowners in Waushara County, through educational opportunities, technical assistance and professional collaborations, that result in the long term stability of natural resources.

# Waushara County

## Land and Water Resource Management Plan Goals 2021

- Assist farmers with implementing the animal waste prohibition and state performance standards
- Protect and enhance in lake, in-stream, riparian, wetland and upland habitat
- Protect surface waters from construction site erosion control & non-metallic mining
- Protect and enhance surface and ground water quality and quantity
- Continue to develop and enhance our soil & water information & education strategy
- Encourage and support farmers to join and participate in a farmer led watershed group
- Strive to meet objectives of the Winnebago Watershed 9 Key element plans
- Strive to obtain 9 key element plans throughout the county by 2031

# Outreach and Education

- Conservation Field days
- Lakes Management Planning
- Groundwater Education in Schools

# Conservation Field Days

An annual event hosted by Waushara County Land Conservation and Zoning department for 5<sup>th</sup> grade students. Outdoor field stations provide hands-on environmental education in groundwater, forestry, wildlife, soils, fisheries, aquatic invasive species and aquatic indicator species.



# Shoreline Inventory/Assessment

- – Shoreline Assessment 2011 and 2021
  - Pictures were taken of the entire shoreline and shoreline health was assessed using a color coded and numbering system.



# Lake Management Planning

- The implementation Phase. During this process lakes groups will begin to prioritize and install the needed BMP's for water quality and habitat restoration. These practices have been identified in their lake management plans and will enhance water quality now and for future generations.



Fish sticks



Native Plantings



Diversions

# Soil and Water Protection

- Erosion Control Plans
- Wetland Scrapes
- Streambank Protection protection
- Waterway
- Manure Storage
- Cattle Watering System
- Stream Crossing
- Nutrient Management

# Construction Site Erosion Control

- Over 100 Erosion Control Plans reviewed or written annually



## Erosion Control Plan Checklist

To be Completed by  
Landowner/Contractor

Landowner: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Parcel # \_\_\_\_\_ Fire# \_\_\_\_\_

Township: \_\_\_\_\_ Rd.: \_\_\_\_\_

Date \_\_\_\_\_

LO Phone Number: \_\_\_\_\_

Contractor name & phone #: \_\_\_\_\_

- Y N Land disturbing activity will be 10,000 sq. ft. (100'x100') or more?
- Y N Land disturbing activity will be on slopes of 12% or more. (one foot rise or fall in 8 ft)?
- Y N Land disturbing activity will be within 300 ft. of a wetland?
- Y N Land disturbing activity will be within 500 ft. of a navigable body of water?
- Y N Land disturbing activity drain towards a road ditch or a road with storm sewer inlets?

- If the answer to ALL of the above questions is no (verified by LCD staff) a pre-construction on-site by LCD staff is not needed, and the landowner will install the standard erosion control practice(s) circled on the back of this form and identified on the erosion control site plan.
- If the answer to ANY of the above questions is yes, then a pre-construction on-site may be scheduled to determine if specific erosion control practices need to be included in the required Erosion Control Plan, or whether standard erosion control practices will be sufficient.

### INITIAL THE BOXES TO INDICATE YOU'VE READ AND UNDERSTAND:

- It is the landowner/contractor's responsibility to install and maintain the required conservation practices circled on the back of this form and included in the erosion control site plan. If a silt fence and/or tracking pad is required, those practices need to be properly installed prior to any ground disturbance.
- LCD staff may inspect the site for compliance. **The landowner/contractor may be charged a re-inspection fee if the site is not code compliant and a re-check is necessary. In addition a stop work order may be issued.**
- It is the landowner/contractor's responsibility to prevent any soils from leaving the site during construction. Any ensuing stormwater runoff concerns, resulting from filling and grading during or after construction, are civil issues between the landowner and any affected property owner.

I certify that the information provided is true and complete to the best of my knowledge.

Landowner/Contractor Signature: \_\_\_\_\_

Return form to: Waushara County Land Conservation & Zoning, P.O. Box 1109  
Wautoma, WI 54982 Phone: 920-787-0443 Fax: 920-787-6516 Rev. (03-31-16)

# Wetland Restorations

- 75.95 Acres of wetland restorations



# Protecting Waushara County Streambanks

1875 Feet of Streambank protection



Before



After



# Grassed Waterway 2020



Before

9.6 Acres of Grassed  
Waterways 2011-2020



After

# Waterway in Eastern Waushara County



# Manure Storage Structure



# Cattle Watering system



# Stream Crossing - Repair



# Nutrient Management

- 2011 – 2,960 Acres ( checklist turned in)
- 2015 – 34, 898 (New Plans and Updates)
- 2018 – 47,645 (New Plans and Updates)
- 2020 – 38,765 (New Plans and Updates)



## NMFE Grants

- 2012 - NMFE Grant (Tier 1)to offer Nutrient Management training for farmers.
- 2014 – NMFE Grant (Tier 2)to offer Nutrient Management training, along with soil sampling and Nutrient Management Plan development
- 2017-18 – NMFE Grant (Tier 2)
- 2020-21 – NMFE (Grant Tier 2)

# Projects Summary 2011-2020

	Units Installed of Achieved by Year										Total 2011-2020	
Best Management Practice	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Field Windbreak		10,500	1,400	17,143	5,410						34,453	
Riparian Buffer	170 ft	220 ft	145 ft	23.5 ft	42.5 ft	.1 Ac.	.016 Ac.	.388 Ac.	7.4 Ac.		11'-15' - 448 ft 15'-20' - 7.854 Ac.	
Streambank/Shoreline Protection		740 ft	110 ft		250 ft	250 ft		325 ft		200ft	1875 Ft	
Barnyard/Feed Storage Runoff Control	1			1							2	
Waste Transfer/manure Storage	1				1	1	1	1			5	
Grassed Waterway	1 Ac		3.1 Ac		1.5 Ac				1.5 Ac	2.5 Ac	9.6 Acres	
Wetland Scrape/Restoration		1 Ac	4.75 Ac	2 Ac	1.75 Ac	5.25 Ac	2 Ac	2.8 Ac	50 Ac	6.4 Ac	75.95	
Grade Stabilization Structure			1								1	
Diversion		1 - 365 Ft									365 Ft	
Watering Facility			1								1	
Trails and Walkways			1								1	
Upland Wildlife Habiata/Native Praire										60 Ac.	60	
Critical Area Treatment		150 In. ft									150	
Prescribed Grazing								10 Ac.		29 Ac.	39	
Roof Runoff						1		1			2	
Nutrient Management Acres	239	526	1,033	744	2,485	1,232	1,156	1,103	565	778	9,861 Acres	
Total NMP Acres	2960	8,880	27,179	30,832	34,898	37,805	48,263	47,645	42,773	38,765		
NMP Percent of Cropped Acres	3.20%	9.5%	29.0%	32.9%	37.3%	40.4%	51.5%	50.8%	45.7%	41.4%		
Field Buffer									1 Ac.		1 Ac.	
NR 151 Compliant Landowners	2	1	2	1	1	4	1	0	0	4	16	
Total NR 151 Compliant Landowners	47	48	50	51	52	56	57	57	57	61	61	

Thank You