



SHAWANO COUNTY LAND & WATER RESOURCE MANAGEMENT PLAN

LAND & WATER CONSERVATION BOARD MEETING
MADISON - FEBRUARY 2, 2016

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LOCATION & MAKEUP



Shawano County

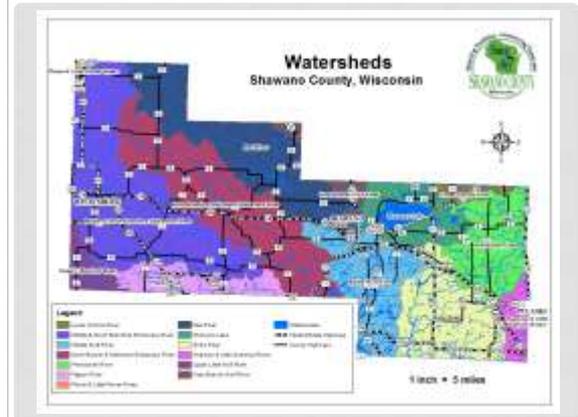
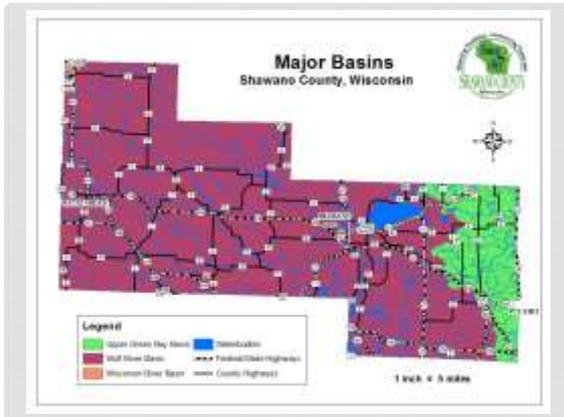


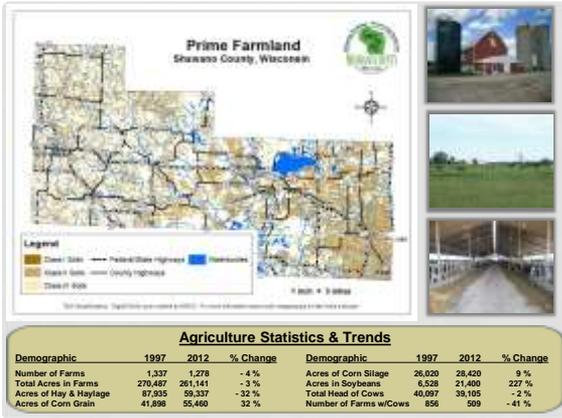
- 25 Towns
- 11 Villages
- 2 Cities

Population - 41,949
Land Area - 910 sq mi

County Seat - Shawano
Population - 9,305







Land Conservation Department

Goal Statement

Promote land use practices that maintain or improve soil, water, habitat quality and quantity while supporting a viable and diverse economic base in Shawano County

Land and Water Resource Management Plan - 2016-2026

OBJECTIVES

- Increase nutrient management to promote the efficient and effective management of nutrients on private lands.
- Reduce soil erosion on agricultural and residential lands.
- Increase restoration of shoreland and wetlands.
- Reduce phosphorus loading to improve water quality.
- Improve groundwater quality and quantity.
- Control invasive species and increase pollinator habitat.
- Improve woodland quality.

ACCOMPLISHMENTS 2009-2015

- Technical Assistance
- Information & Education
- Grants & Funding
- LCD Partnering
- Coordination and Administration
- Department Restructuring

SUMMARY OF BMP'S 2009-2015

- 27 Waste Storage Systems
- 28 Waste Transfer
- 8 Waste Storage Closure
- 2 Heavy Use Protection
- 9 Well Abandonments
- 5 Shoreland Erosion Control
- 1 Livestock Exclusion/Fencing
- 7 NM (590) Plans (cost-shared)
- 2 Shoreline Protection/Restoration
- 3 Barnyard Runoff Control
- 5 Milkhouse Waste Transfer
- 5 Feed Leachate Control

Total of 83 BMP's Engineered
Combined total of 102 BMP's

WASTE STORAGE SYSTEM

2012-2013 TRM Grant Wolf River Watershed

WASTE STORAGE CLOSURE



WASTE STORAGE CLOSURE

2015 DATCP Cost Share



WELL ABANDONMENT

DATCP Cost Share



INFORMATION & EDUCATION

- Public Presentations (Towns Association, Lake Organizations, County Board, Brunch on the Farm, County Fair)
- Annual Shawano County Agricultural Awards Banquet
- Youth Conservation Field Day
- Participation in School Programs
- Annual Activities Tour with Land Conservation Committee
- Counselor at WI Land+Water Youth Conservation Camp



GRANTS & FUNDING 2009-2015

- \$ 779,034 DATCP Staffing and Support (45% of costs)
- \$ 763,139 Targeted Runoff Management Cost Share (small scale)
- \$ 150,000 Aquatic Invasive Species (DNR, 3-yr grant)
- \$ 67,974 DATCP Cost Share
- \$ 7,000 Notice of Discharge (DNR cost share)
- \$ 40,592 Wildlife Damage Program (staffing and support)
- \$ 32,122 Lumberjack RC&D Council (well water testing, interns)
- \$ 28,650 Livestock Waste Management Ordinance (2013-2015)
- \$ 26,250 Shawano County Shoreland Restoration Program
- \$ 11,198 Forestry Management (county lands)

LCD PARTNERING

- DNR, Rawhide – Wilson Creek streambank restoration
- DATCP/UWEX (NM Farmer Trainings) 2013 – 2015 (14 participants)



- Nutrient Management Plans
- Shawano County 10th in the state for acres reported in 2014 (approx. 104,000 acres)
- 41% in 2008 up to 59% in 2014

LCD PARTNERING

- Lumberjack RC&D, UW St. Point – Well water testing; Invasive Species inventory
- DNR, UWEX, NRCS, NNC – Youth Conservation Field Day (2013-2015)
 - Over 650 5th graders



LCD PARTNERING

- NRCS – EQIP \$
 - LCD technical assistance for EQIP (Ag-waste projects)
 - Participate in Local Workgroup mtgs.
- The Nature Conservancy
 - 2013 Soil Test Phosphorus Mapping (Pensaukee River Watershed)
 - Summer intern at County office
- DNR – Tree Planting Program
 - County owned tree planters
- Northeast WI Technical College
 - AIS Boat Landing Kiosks
 - TIP Logo



ADMINISTRATION & COORDINATION

- County Livestock Waste Management Ordinance
 - Waste Storage, Livestock Siting, Ag-Performance Standards
 - Assisted 14 farms with Livestock Siting (since 2008)
 - Issue Livestock Waste Permits
 - 181 since 2009
 - Conditional Use Permits and Variances
 - 25 since 2009
 - Issue citations for violations
 - 1 in 2015
- Tillage Transect Survey
 - Annually since 1999; missed '13, '14
 - 395 points; 588 fields
 - Soil loss average increased since 2004
 - From 0.9 T/ac/yr to 1.5 T/ac/yr
- Farmland Preservation Program
 - 250 claimants in 2014 tax year
 - Most under FP zoning
 - 29 with prior agreements
 - Annual self-certification mailing
 - Working with DATCP staff to help direct participants to the county
 - Conservation Compliance Checks
 - Approx. 50% yet to be done in 2016
 - Now including standards added in 2014
 - Participants divided into 4 groups starting in 2017
 - Maple Grove AEA approved in 2010
 - 16 new agreements

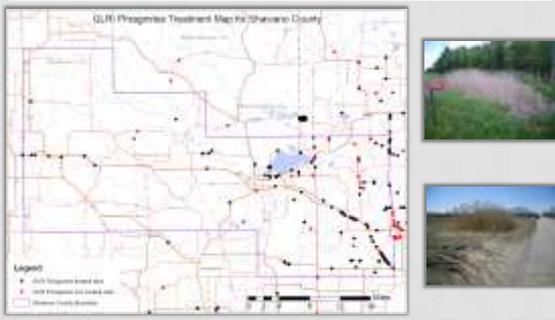


ADMINISTRATION & COORDINATION

- Invasive Species Program
 - Started with DNR AEPF grant in 2011
 - Countywide invasive species inventory
 - 2013 – County adopted Invasive Species Management Plan
 - Phragmites inventory and control w/DNR**
 - DNR AEPF grant not renewed
- Forest Management Program
 - 2013 – County adopted Forest Stewardship Management Plan
- Wildlife Damage Program
 - Appraisals, Abatement, Claims, Venison donations, Shooting permits
- Scholarships for WI Land+Water Youth Conservation Camp
- Shoreland Restoration Program
 - Consistent with area Lake Management Plans and DNR Healthy Lakes Initiative
 - Approved in 2014 county budget
 - \$26,250 (1/4 of requested amount)



ADMINISTRATION & COORDINATION



DEPARTMENT RESTRUCTURING

- 1994 – Land Conservation Department
 - Merged with Planning, Zoning, Sanitation and Property Listing
- Planning and Development Dept.
 - Land Conservation Division
 - Shared staff
 - Conservation/Land Use Technician
 - 80% Land Conservation; 20% Zoning/Sanitation
 - 2001 – LCD Office Assistant position not refilled
 - Shared Office Assistant staff - % budgeted to Land Conservation continued to be reduced
 - 34% in 2004 to 4% in 2015
- Changes in 2015
 - Conservation/Land Use Technician
 - 90% Land Conservation; 10% Zoning/Sanitation
- Changes in 2016
 - Land Conservation Technician
 - 100% Land Conservation
 - Land Conservation Division separated from Planning & Development Department
 - Land Conservation Department re-established
 - Office Assistant approved in 2016 budget
 - 100% Land Conservation
 - 20 hours per week

Join us as we make our way to greener pastures while protecting our natural resources

Any Questions?

Happy Groundhog Day

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