



Partnering with
County Conservation Department's:
The Best Kept Secret

Patricia Cicero – Jefferson County

Carolyn Scholl – Vilas County

Each County has a Land Conservation Department and Committee



WI Chapter 92: Conserve Soil and Water Resources

- Establishes erosion control goals
- Provides for cost sharing, technical assistance, educational programs, etc.
- Encourages coordinated planning and program implementation
- Gives counties authority to enact ordinances
- Creation of Land and Water Conservation Committees and Departments

County Conservation offices are.... Unique

- Different number of employees
- Different staff expertise
- Different focus depending on resources, land uses



Water Resource Management Staff

- Not many Counties have dedicated water resource staff
- DATCP staffing grants
- DNR lake planning, protection, AIS grants – staffing money for specific project
- Existing LWCD staff can diversify
- Other ideas to fund position - multiple lake districts and associations, RC&Ds, sanitary districts, other related entities

Land and Water Resource Management Plans

- Goals, Work Plan, Implementation Plan, Priority Areas, Enforcement Strategy
- Requirement in every county
- Updated every 5 years (may change)
- Local Advisory Committee
- Public Hearing

County Program Diversity

AGRICULTURE

Manure Mngt / Prohibitions
Livestock Siting Ordinance
Livestock Operations
Farmland Preservation
Working Lands Initiative
Grazing Rotation Mngt

Lake Organizations
Grant Assist
Farmer Assistance
Landowner Assistance
Public Workshops
Lake Fairs
Youth Conservation Educ

EDUCATION

Environmental Modeling
Water Chemistry
Residual Monitoring
Shorelands
Aquatic Macrophytes

TECHNICAL

Conservation Planning
Groundwater Initiatives
Stormwater Mngt / Planning
Soil Erosion Control
Nutrient Management
Lake Management
Lakes Classification
Invasives Species Mngt
Mapping
Shoreland Mngt / Ordinance
Cost Share Programs
Venison Donation
Wildlife Damage Abatement

RESEARCH

County Lake–related Activities

Lake Association / Lake District Formations

Grant Assist

Landowner Assistance

Public Workshops

Lake Fairs

Youth Conservation – Pontoon Classrooms

Lake Management / Planning

Lakes Classification

Invasives Species Mngt

Bathometric Mapping

Shoreland Mngt / Ordinance

Shoreland Restoration

Cost Share Programs

Environmental Modeling

Water Chemistry

Residual Monitoring

Aquatic Macrophytes

Lake Organiza
Lake & AIS Gr
Native Plant &
Urban Stormwater Runoff Mngt

***In It for the Long Haul - Two Decades of Working
to Protect Marinette Co. Lakes***
Wednesday 1:45 - 2:25 pm

Non-Point Sou
Nutrient & Wa
Plant & Water Chemistry Inventories
Bathometric Mapping

LWCD - A Columbia County Experience
Wednesday 2:35 - 3:15 pm

Shoreland Orc
Shoreland Buf

***Adams Co Shoreland Protection Ordinance –
Balancing Landowner Needs & Water Protection***
Wednesday 4:00-5:00 pm

Partnership Bu
Wildlife & Fish

The Pyramid that Partners Built - Rusk County
Thursday 9:00-9:40 am

Shoreland Buf
Tax Incentives

Cash Tax Incentives Bring Shoreline Protection
Thursday 10:30-11:30 am

A photograph of a pond filled with green lily pads and several yellow flowers. The water is dark blue, and the lily pads are densely packed. The text is overlaid on the image.

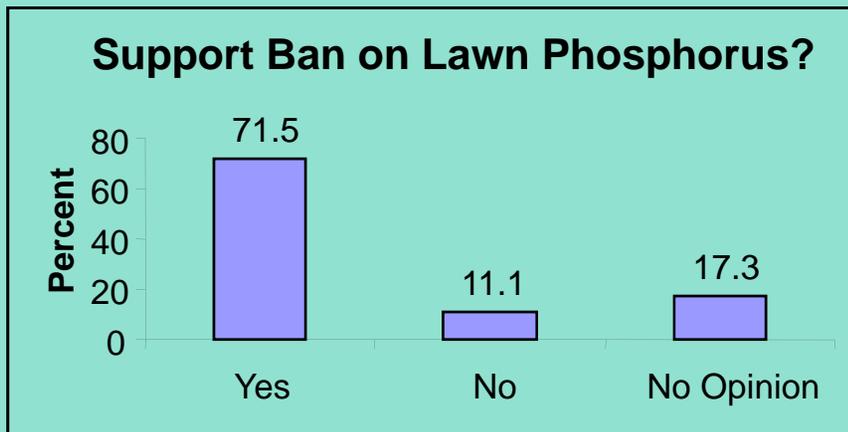
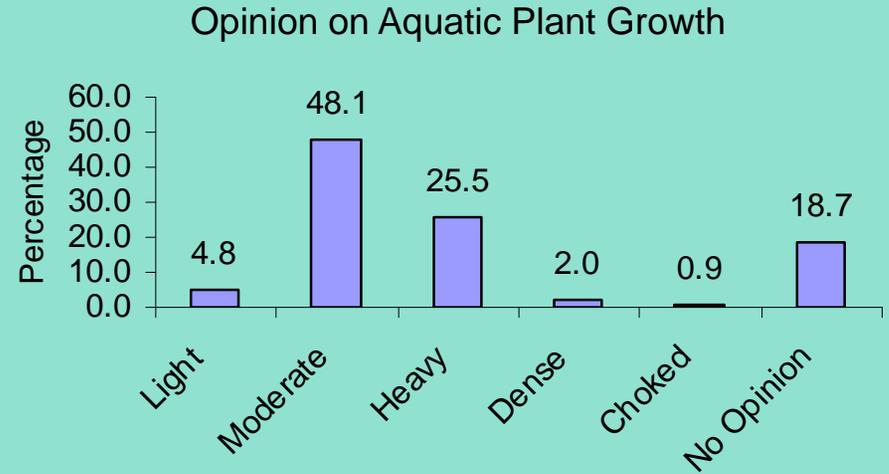
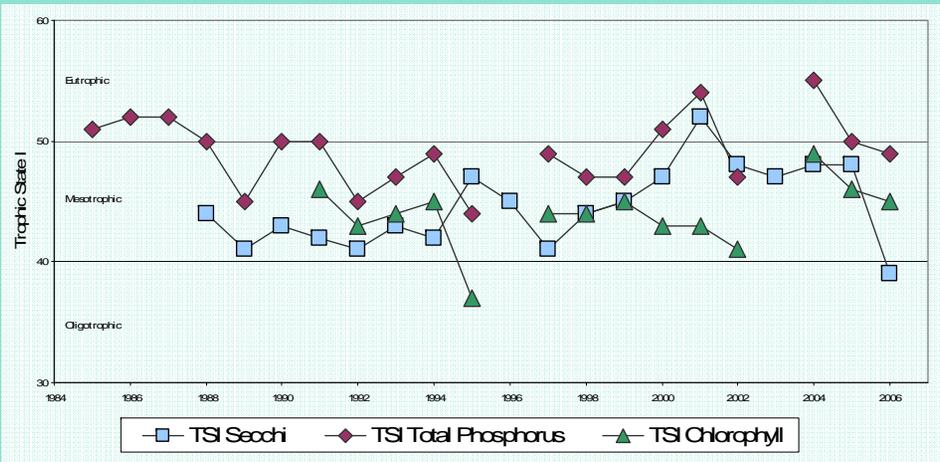
Lakes

- **Grants: Sponsor, Fiscal Agent, Matching Time**
- **Meeting Facilitation**
- **Collect, Summarize, and Explain Data and Information**
- **Communicate with the Public**
- **Communicate with Decision Makers**
- **Mapping Capabilities**
- **Write Management Plans**

Education



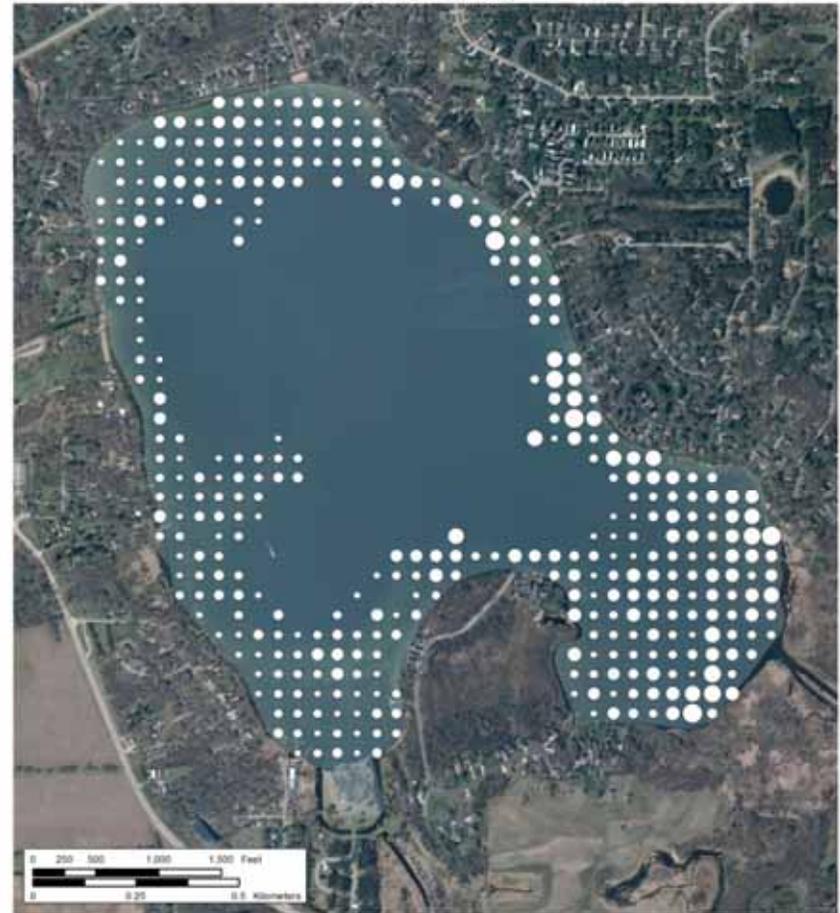
Lake Management Plans



Aquatic Plant Surveys & Plans



Aquatic Plant Survey
Lake Ripley - Jefferson County - June 2011
Native Plants



Total # of Species at each Survey Site

- 1 ○ 4 ○ 7
- 2 ○ 5 ○ 8
- 3 ○ 6 ● Visual



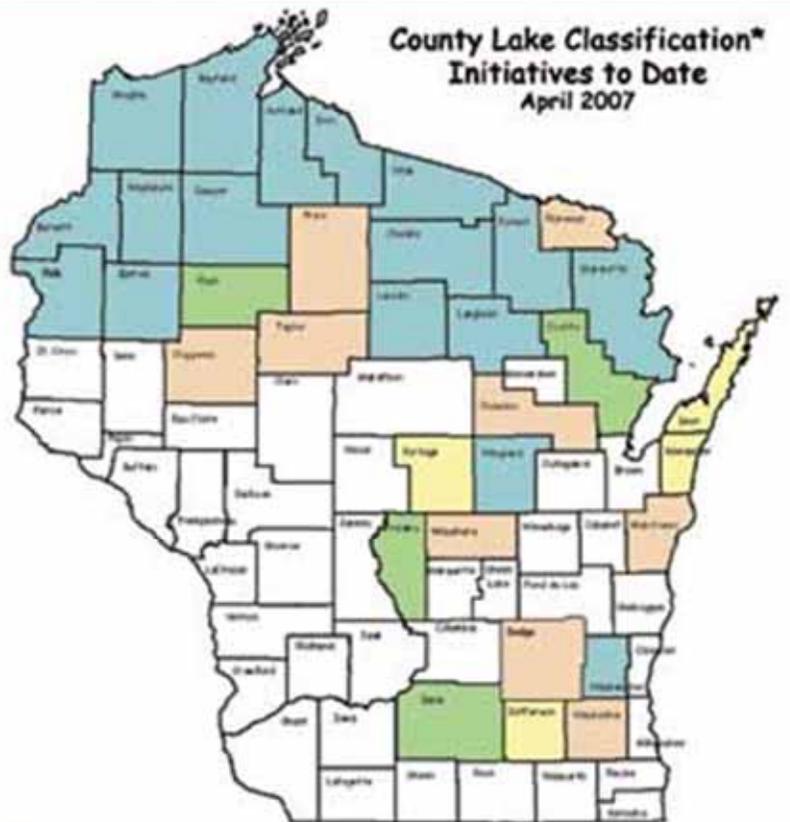
Spring 2010
Aerial



Author:
Jefferson County Land
& Water Conservation Dept

Date: 4/2/2012

Lake Classification



County Lake Classification*
Initiatives to Date
April 2007

Shoreland ordinance update

Classify lakes

Other:

Data collection, prevention and control of invasives, nonpoint source pollution, education, organizations

- Adopted a classification system & significant shoreland ordinance upgrades by water class
- Working on a classification project
- Gathered county lake data to guide countywide and/or local lake protection efforts
- Only generated a classification system

*The Lake Classification grant program and forms state enabling for counties to use the lake classification tool were initiated by statutory changes (in Ch. 281.69, Wis. Stats.) passed by the Legislature and Governor in 1997 and administrative rules (281.69, Wis. Admin. Code) adopted by the Department of Natural Resources in 1998.

NR 115 – Shoreland Rules

- New State Minimum Standards
- Adoption by February 1, 2014
- Public Process
- Zoning
- LWCD



Research, Special Projects

Effects of Pier Shading on Near-Shore Aquatic Habitat

Researchers:

Paul Garrison, DNR

Dave Marshall, DNR

Laura Stremick-Thompson, DNR

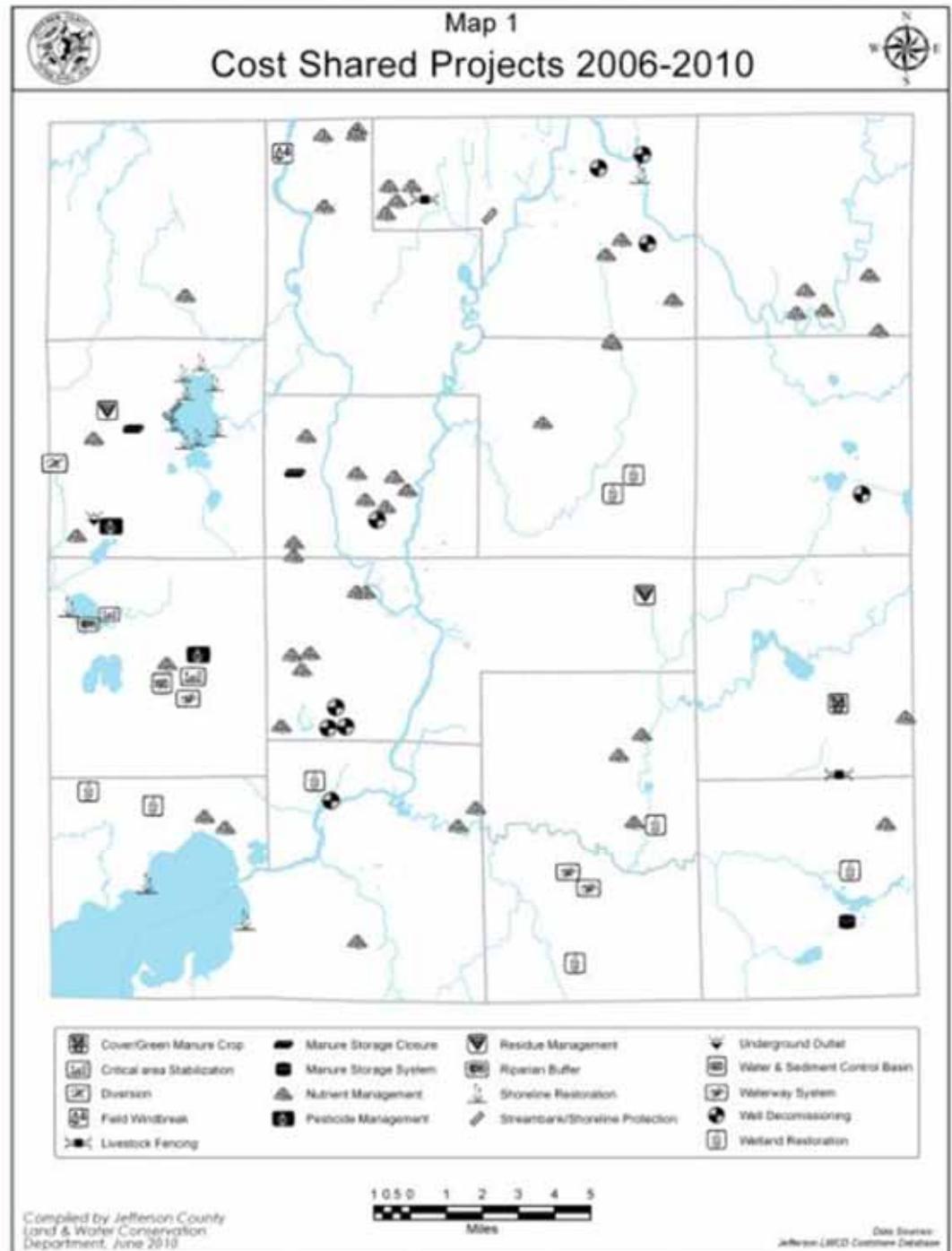
Patricia Cicero, Jefferson County LWCD

Paul Dearlove, Lake Ripley Mgmt. Dist.

- Recruit monitors for lake/stream sampling
- Water quality sampling assistance/training
- Specialized sampling
- Assist DNR with special projects



Cost-Sharing Programs



Cost-Sharing Programs

- State: \$20,000 to \$60,000
- State Nutrient Management: \$0 to \$30,000
- County programs
- Many Federal programs – NRCS, FSA
- LWCDs, State, Federal governments provide technical assistance
- Lake Group Involvement

Shoreland Restorations



Cost-Sharing with Lake &
River Residents





- 70% cost-sharing
- Provide landscaper lists, and native plant lists
- Perform inspections before, during, after
- Some restorations are required through Zoning

Restoration at Executive Residence





Cost-sharing lake and river shoreline erosion control



Invasive Species

- Aquatic Invasive Species (AIS) Coordinators
- Clean Boats/Clean Waters Training
- AIS Monitoring Training
- Terrestrial Invasives



Stormwater

- Erosion control and stormwater ordinances
 - not in every county



Construction Site Erosion

- An acre under construction with no erosion control delivers, on average, as much sediment to local waterways as 75 acres of cropland.

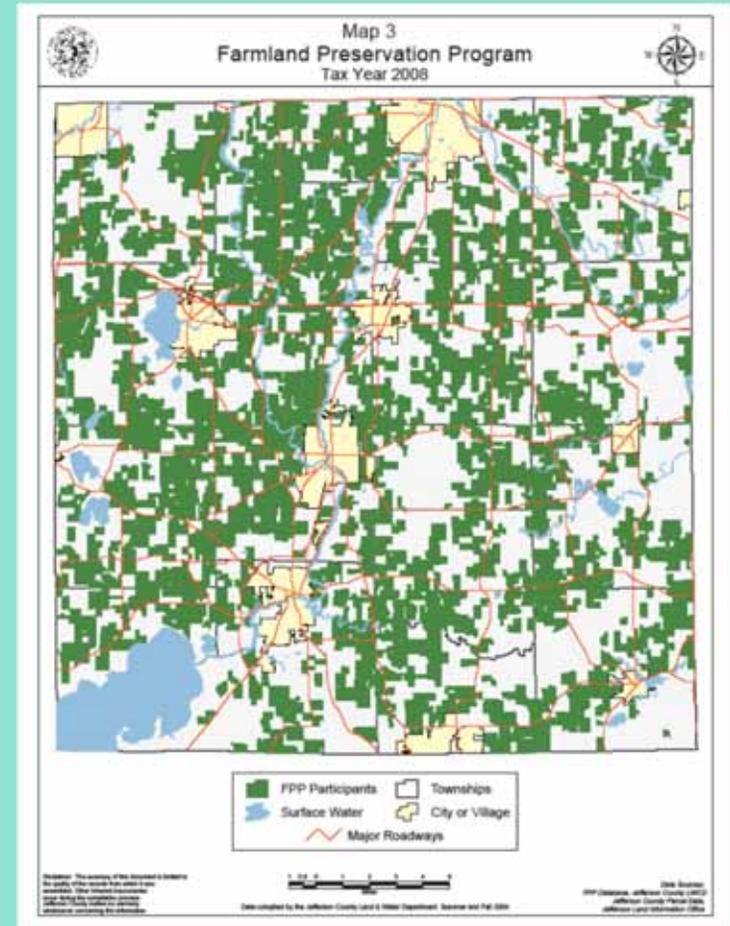


Agriculture



Conservation Planning

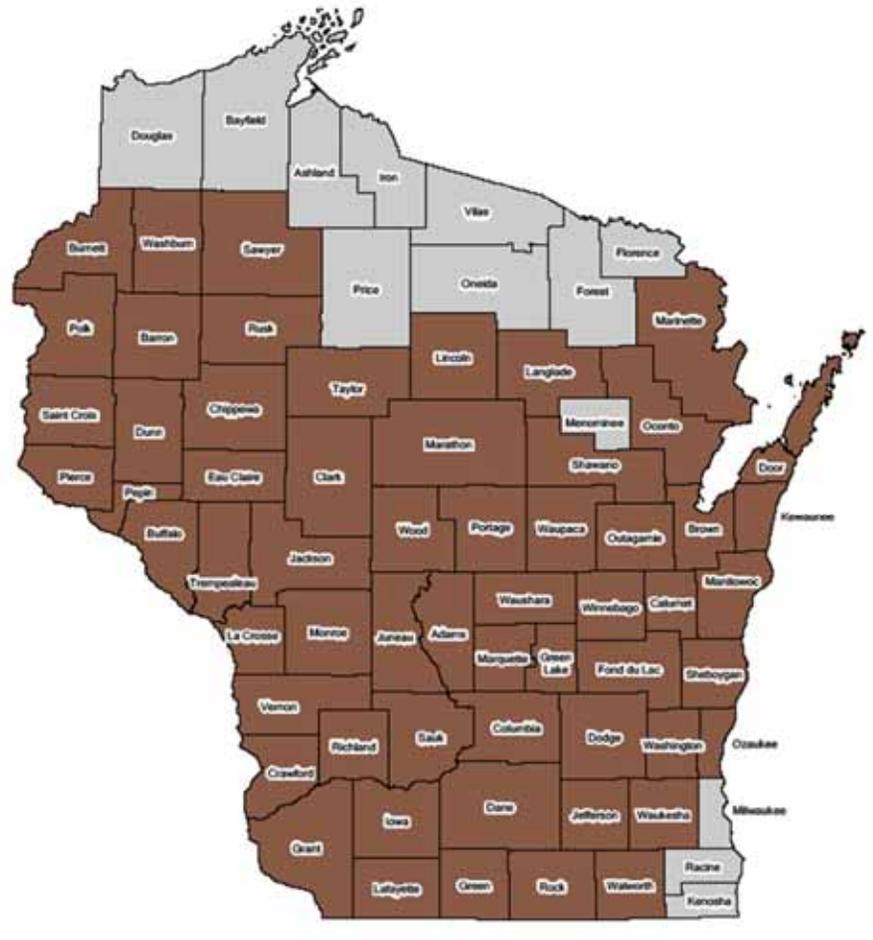
- Farmland Preservation Program – tax credits to farm land according to plan



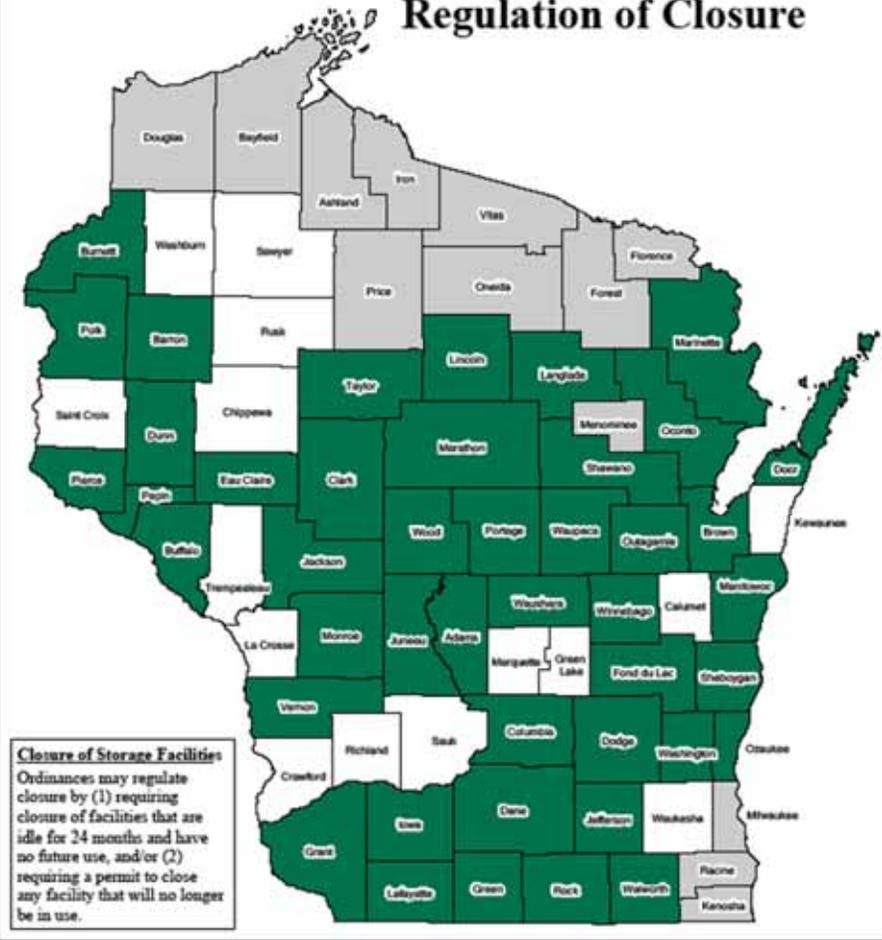
~60% of Jefferson
County farmland

Manure Storage Ordinance

Counties with Manure Storage Ordinances



Manure Storage Ordinances: Regulation of Closure



Closure of Storage Facilities
Ordinances may regulate closure by (1) requiring closure of facilities that are idle for 24 months and have no future use, and/or (2) requiring a permit to close any facility that will no longer be in use.



Ordinance Status
 Ordinance Enacted
 No Ordinance

Map Updated: 11/20/2017



Regulation of Closure
 Closure Regulated
 Closure Not Regulated
 No Manure Storage Ordinance

Map Updated: 11/20/2017



Manure Management Prohibitions

- No overflow of manure storage facilities
- No direct runoff from a feedlot or stored manure into the waters of the state



Manure Management Prohibition

- No unconfined manure pile in a water quality management area – within 1,000 ft. from a lake; within 300 ft. from river or stream; or a site susceptible to groundwater contamination



Manure Management Prohibition

- No unlimited access of livestock to waters of the state such that maintenance of adequate sod or vegetative cover is prevented

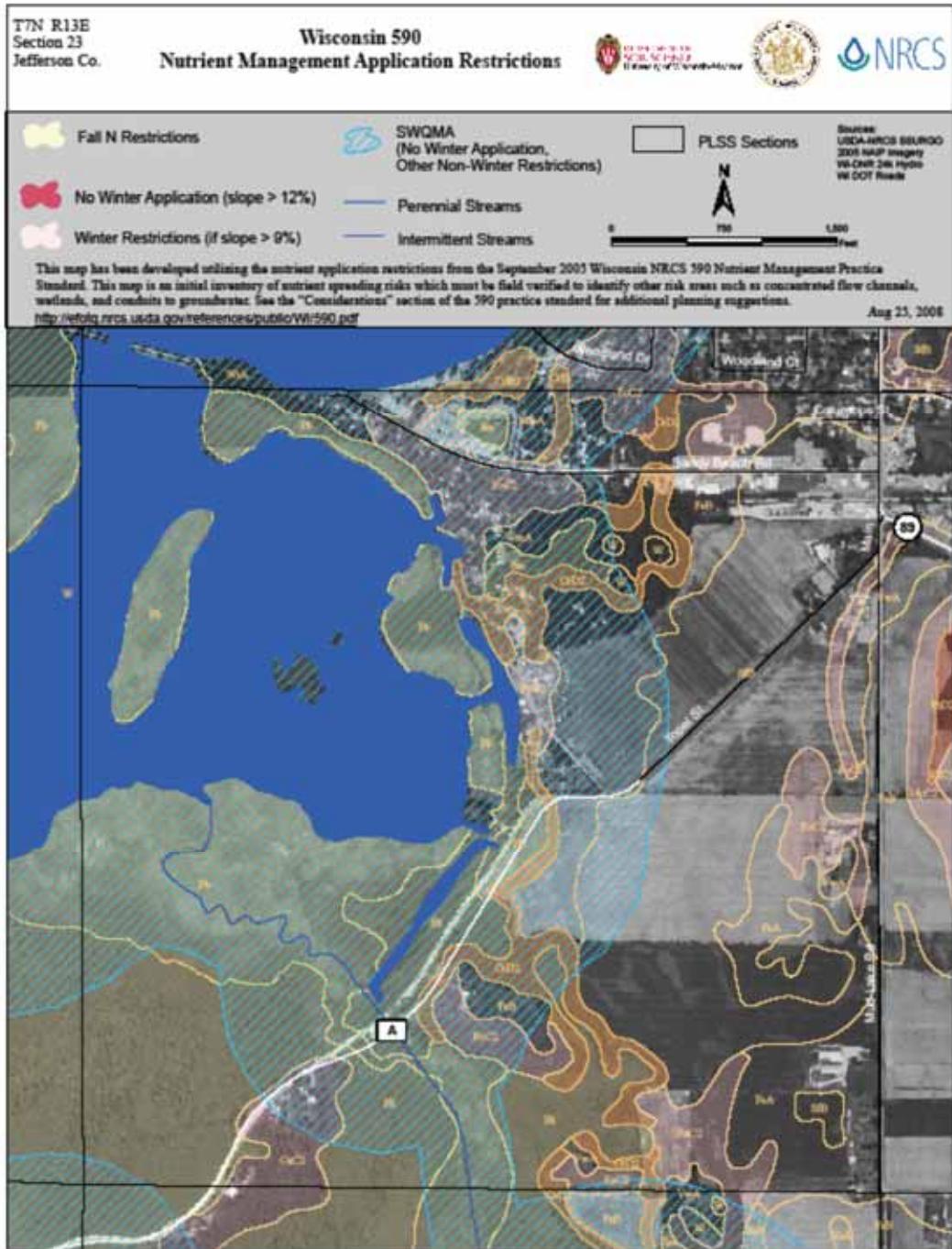


Manure!



Nutrient Management Plans

- Requirement for every farm
- Working Lands Initiative
- Manure and fertilizer spreading plan:
where, when, how much
- Plan is based on crop needs and nutrients
in soil
- Surface and ground water protections
- Restriction maps



Restrictions:

- Proximity to water
- Slope of land
- Vulnerable soil types
- Wells
- Direct conduits to water
- Winter slope restrictions

Potential Manure Problems

- Contact Your LWCD with Concerns!!
- Investigate every complaint
- Approximately 85-90% of manure complaints are found to NOT be violations or problems
- Inform farmers – better communications with neighbors
- Educate citizens
- Involve DNR or Zoning for Enforcement

Visit Your LWCD

- Tell them what you/your group is doing
- Invite staff to meetings
- Ask LWCD what services they provide
- Talk about possible projects
- LWCDs can refer you to multiple experts and agencies

