

# Lafayette County

## Land and Water Resource Management Plan

2016-2025




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# 2008-2013 LWRM Plan

## Goals and Accomplishments




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## Goal 1 - Soil Erosion Reduction

**Objective 1 – Reduce Farm/Ag Erosion**

1. Conservation plans to "T" – 1,960 ac/yr
2. Transect Survey
3. Hydroseeding & Mulching – 20/yr
4. Educate about conservation programs – 1 news article & brochure
5. Removal of Apple & Cherry Branch from 303(d) list – 840 ac/yr
6. Keep livestock in Co. – Help 3 landowners with "Grow WI" grant/yr
7. County Cost Share Program – \$75,000/yr

**Objective 2 – Reduce Construction Site Erosion/Non-Ag**

1. Fact Sheets to local government to build awareness – annually
2. Assist landowners with old mine sites meeting ordinance – as needed

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## Goal 2 – Animal Waste Management

### Objective 1 – Implement Co. Manure Storage Ordinance

1. Assist landowners w/ applications & abandonments – 2 new/yr
2. Assist farmers to meet State Standards & Prohibitions – certify 5/yr

### Objective 2 – Implement Livestock Siting Ordinance

1. Review applications from landowners – 2/yr

### Objective 3 – Implement Ag Performance Standards

1. Database of priority farms
2. Rank priority farms – annually
3. Administer cost share program – 2 manure storages annually
4. UWEX/LCD workshops – 2/yr 2011 – 15 farmer, 12 class sessions
5. Monitor spreading permits for non-ag – review 2/yr

### Objective 4 – Promote new technologies

1. Research anaerobic digesters & renewable energy – attend meetings, supply fact sheets to interested landowners.
2. Research carbon sequestration – 1 news article annually

### Objective 5 – Increase # of cropland acres w/ nutrient management plan

1. Require permitted facilities to submit plan – 2/yr – 400 acres

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## Goal 3 – Land Use Planning/Farmland Preservation

### Objective 1 – Administer Farmland Preservation

1. Conduct annual status review – 10/yr
2. Assist new participants – 5/yr
3. Joint meeting with Planning & Zoning – 1 annually
4. Support FPP as it evolves to Working Lands – as needed
5. Educate landowners & local government to changing rules – 3 township meetings/yr

### Objective 2 – Promote Manage Forest Law

1. Encourage landowners to participate – 1/yr Statement on all revision with forest

### Objective 3 – Smart Growth/SW Grassland/State Regs & Legislation

1. Assist with development of SW Grassland project – 1-2 meetings/yr
2. Encourage countywide land use planning-assist local officials

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## Goal 4 – Water Quality Protection

### Objective 1 – Groundwater Protection

1. Water testing at Fair – 50-75 samples annually
2. Cost share & Bentonite screen for well abandonment – 10-12/yr
3. Information & Education Fair – Educate 100/yr
4. Earth Day – Educate about 250 students

### Objective 2 – Surface Water Protection

1. Participate in Clean Sweep Program 2007, 2009, 2011

### Objective 3 – Focus on Mining

1. Work with DNR & landowners to reclaim old mine sites – as needed

### Objective 4 – Promote Proper land application of nutrients

1. Work with non-ag applications of Phosphorus-free fertilizers – adoption of regulations/ordinance re: Phosphorus-free fertilizer

### Objective 5 – Stormwater/Urban Issues

1. Educate landowners & businesses on non-ag use of fertilizers – annual news articles and brochures
2. Educate communities on stormwater management – info BMPs (rain gardens)

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## Pecatonica Battlefield – Town of Wiota

- Nominated at the State Level of Significance
  - Significant as a skirmish site associated with the Black Hawk War
  - War probable "turning point" in carrying on war against Black Hawk and his followers
- "Made" Henry Dodge as war hero and notable state figure



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## Register of Historic Places

- May 6, 2011 the Pecatonica Battlefield was placed on the State Register of Historic Places
- July 28, 2011 the Pecatonica Battlefield was placed on the National Register of Historic Places



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## 2008-2013 Success Stories

SNAP Plus Nutrient Management Planning Farmer Training Classes, Agricultural Enterprise Areas, Prevention of Discharge Notice




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### Earth day - Black Hawk Memorial Park



**Goal 4.1.4**

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### SNAP Plus Nutrient Management – Farmer Training Classes

Class attendance	167
# NMP's completed	30
Stipends allocated	\$27,500



**Goals 2.1.2 & 2.5.1**

\*Years 2008, 2010 & 2011

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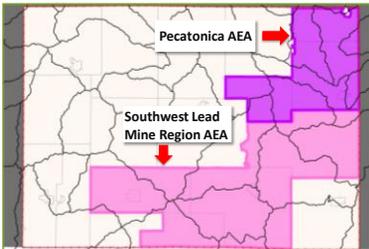
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Pecatonica AEA	
Agreements	14
Acres	2,810.44
Southwest Lead Mine Region AEA	
Agreements	15
Acres	2,833.53

### Agriculture Enterprise Areas

**Goal 3.3.2**

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### Prevention of Notice of Discharge

Cited by the DNR for manure runoff into a designated wetland and to Wolf Creek.

Because of the difficult site and financial restrictions, it took several months to design a solution that would be satisfactory to the DNR and the landowner.

The LCD was able to provide a design and cost share the project. Milk house wastewater and manure runoff were eliminated from the wetland and Wolf creek by temporary storage.



Before

Goals 2.1.2/2.3.3

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### Prevention of Notice of Discharge

#### Site Solution



Goals 2.1.2/2.3.3

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### Prevention of Notice of Discharge

Cited by the DNR for milk house wastewater discharge into an unnamed tributary to the Ames Branch.

A settling basin for the wastewater and overflow to a 6 month storage structure was constructed. A stacking/compost pad was also constructed to contain runoff from bedpack manure.

The LCD was able to provide a design and cost share the project.



Site Solution

Goals 2.1.2/2.3.3

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# 2016-2025 Plan

Project Timeline, County Overview, and Goals Identification




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Lafayette County

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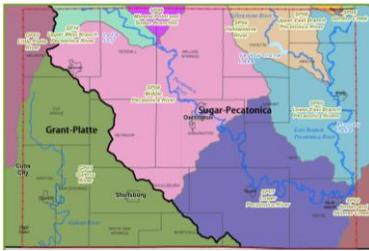
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Basin/Watershed	% of County comprised of basin/watershed
• Grant-Platte Basin	27.7%
– Galena River	25.29%
• Sugar Pecatonica Basin	72.3%
– Lower East Branch Pec.	12.82%
– Middle Pec. River	27.78%
– Lower Pec. River	21.17%

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Basins & Watersheds

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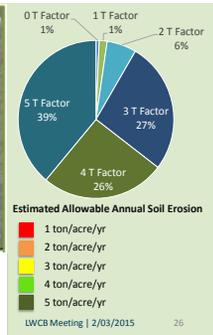
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Soil Erosion T-Factor Values

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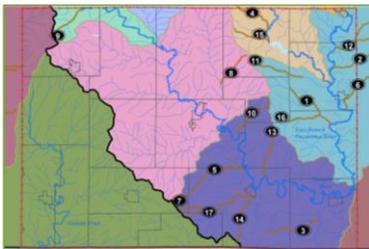
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Trout Streams

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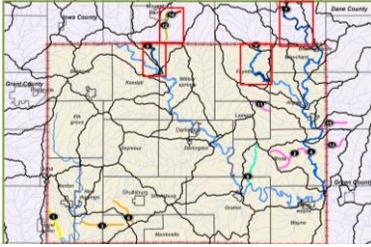
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Impaired & Proposed Impaired Waters

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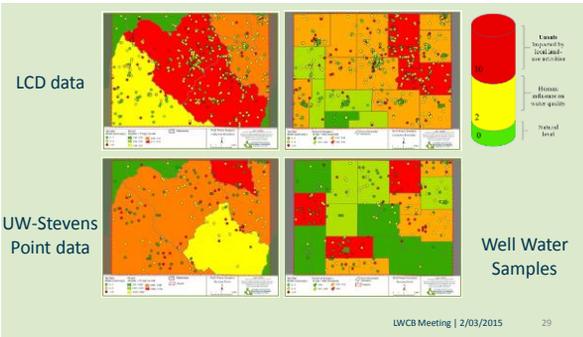
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LCD data

UW-Stevens Point data

Well Water Samples

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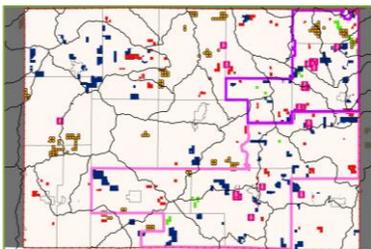
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Conservation Practice Locations

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## CAC Meeting – Goals Identification

- Reduce soil erosion
- Develop urban and agriculture stakeholder interest
- Ensure effective nutrient and manure management
- Ensure safe drinking water supply
- Address water and soil quality issues in Farmland Preservation Plan and Land Use Plans
- Promote sustainable agriculture and plan for climate change
- Promote restoration & protection of surface water
- Promote sustainable forest management




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## Plan Implementation

Information and Education, Regulatory Administration, Monitoring & Evaluation, Workplan, and Priority Farm Identification




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## Plan Implementation

- Information and Education
- Regulatory Administration
  - Compliance Determination
    - Complaints
    - Enforcement
    - Appeals

Newsletter




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## Plan Implementation

- Monitoring & Evaluation
- Funding Sources to Pursue
  - Targeted Runoff Management Grant
  - Notice of Intent/Discharge Cost-Share Grants
  - Aquatic Invasive Species
  - River Protection Planning and River Protection Management Grants
  - Lake Planning and Protection Grants
- Administrative Recommendations
  - Contact LW-Platteville Dept. identified for internship partners
  - Identify workplan schedules and priorities for working with partner services
  - Support new ordinances and ordinance modernization
  - Apply for grants mentioned above
  - Attend state and local training
  - Improve records keeping and data collection for all field visits, well tests, permits issued, and other work
  - Use GIS as a tool to identify priority geographies and minimize inefficient implementation
  - Prepare a MOU with DNR for NR 151

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## Plan Implementation

- LCD Workplan – 5 year workplan
  - Implementation of performance standards for farms
  - Implementation of stormwater and related urban standards Farmland Preservation conservation compliance
  - Groundwater protection: Quality and Quantity
  - Permit and ordinance administration
  - Lake and stream protection
  - Watershed protection
  - Program evaluation and monitoring
  - Spending of state cost-share funds
  - Forestry management

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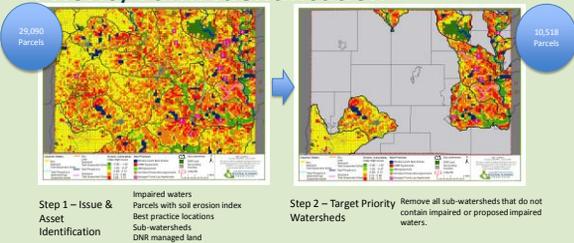
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## Priority Farm Identification




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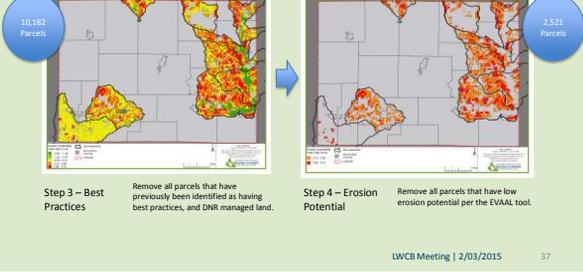
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# Priority Farm Identification




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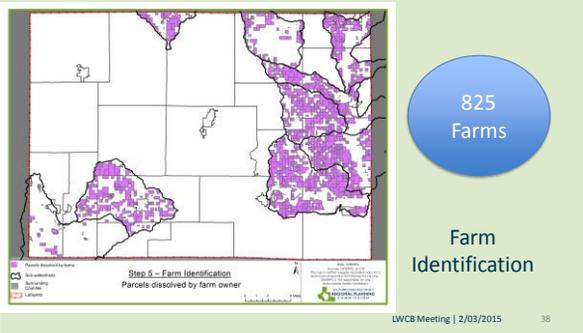
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Thank You!

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