



State of Wisconsin

## *Land and Water Conservation Board*

PO Box 8911  
Madison, WI 53708-8911  
608-224-4630

### **Land and Water Conservation Board Agenda**

**December 3, 2019**

The Land and Water Conservation Board will meet on **December 3, 2019** beginning at **9:00 a.m.** in Boardroom 106 at the Wisconsin Department of Agriculture, Trade and Consumer Protection, 2811 Agriculture Drive, Madison, WI. The agenda for the meeting is shown below. A lunch break will be observed.

#### **AGENDA ITEMS AND TENTATIVE SCHEDULE:**

1. Call the Meeting to Order – **Mark Cupp, LWCB Chair**
  - a. Pledge of allegiance
  - b. Open meeting notice
  - c. Approval of agenda
  - d. Approval of October 1, 2019 meeting minutes
  
2. Public appearances\*  
*\*Each speaker is limited to 5 minutes or less. Each speaker must complete a Public Appearance Request Card and submit it to a DATCP representative before the start of the meeting*
  
3. Recommendation for approval of Land and Water Resource Management Plan revision for Marquette County- **Pat Kilbey, County Conservationist, Marquette County LWCD; Robin Buchholz, Land Conservation Committee Chair**
  
4. Recommendation for approval of Land and Water Resource Management Plan revision for Rock County – **Tom Sweeney, County Conservationist, Rock County LCD; Anne Miller, Conservation Specialist, LCD; Richard Bostwick, Land Conservation Committee Chair**
  
5. Recommendation for approval of Land and Water Resource Management Plan revision for Portage County – **Steve Bradley, County Conservationist, Portage County LWCD; Barry Jacowski, Land and Water Conservation Committee Chair**

*Mark Cupp, Chair • Dave Solin, Vice-Chair  
Members: Monte Osterman • Andrew Buttles • Ron Grasshoff • Mike Hofberger  
Eric Birschbach • Bobbie Webster • Andrew Potts • Sara Walling • Brian Weigel*

6. Update on Funding sources for Programs Subject to LWCB Oversight – **Susan Mockert, DATCP**
7. Lunch
8. Recommendation for approval of Land and Water Resource Management Plan revision for Bayfield County – **Ben Dufford, Director, Bayfield County LWCD; Fred Strand, Land Conservation Committee Chair**
9. Recommendation for approval of Land and Water Resource Management Plan revision for Polk County – **Katelin Anderson, Information and Education Coordinator, Polk County LWRD; Eric Wojchik, Conservation Planner, LWRD; Kim O’Connell Environmental Services Committee Chair**
10. Approval of Proposed 2020 LWCB Annual Agenda – **Mark Cupp, LWCB**
11. Agency reports
  - a. FSA
  - b. NRCS
  - c. UW-CALS
  - d. UW-Extension
  - e. WI Land + Water
  - f. DOA
  - g. DATCP
  - h. DNR
12. Planning for February 2020 LWCB meeting – **Mark Cupp, LWCB**
13. Adjourn

**MINUTES  
LAND AND WATER CONSERVATION BOARD MEETING**

**October 1, 2019  
DATCP Board Room  
Wisconsin Department of Agriculture, Trade and Consumer Protection  
2811 Agriculture Drive, Madison, Wisconsin**

**Item #1      Call to Order—pledge of allegiance, open meeting notice, approval of agenda, approval of August 6, 2019 LWCB meeting minutes.**

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The meeting was called to order by Chairman Mark Cupp at 9:00 a.m. Members Eric Birschbach, Ron Grasshoff, Andrew Buttles, Dave Solin, Monte Osterman, Brian Weigel, Sara Walling, and Andrew Potts were in attendance. A quorum was present. Advisors Angela Biggs (NRCS) and Matt Krueger (WI Land + Water) also were present. Others present included Lisa Trumble and Melissa Gilmore, DATCP.

Trumble confirmed that the meeting was publicly noticed.

Walling moved to approve the agenda as presented, seconded by Solin, and the motion carried.

Weigel moved to approve the August 6th meeting minutes with two minor edits, seconded by Potts, and the motion carried.

**Item #2      Public Appearances**

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No public appearance cards were submitted.

**Item #3      Recommendation for approval of Land and Water Resource Management Plan revision for Clark County**

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Jim Arch, Clark County Land and Water Resources Department, and Fritz Garbisch, Land Conservation Committee Chair, made a formal presentation in support of a 10-year approval of the county's LWRM plan.

DATCP's review of the plan using the LWRM Plan Review Checklist found that the plan complies with all requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

Clark County Land and Water Resources Department provided written answers to the Board's standardized questions, recent work plans and accomplishments, and other materials (available on LWCB's website: [https://datcp.wi.gov/Pages/About\\_Us/LandWaterConservationBoard.aspx](https://datcp.wi.gov/Pages/About_Us/LandWaterConservationBoard.aspx)).

Board members and county representatives discussed the following: past staffing concerns and the importance of reestablishing relationships with landowners; the large Mennonite population, common practices, and participation in programs; a board suggestion to consider prohibitions on winter spreading; Farmland Preservation as a tool to implement standards; strategies to promote Farmland Preservation agreements; the county's purchase of a no-till drill; survey results showing groundwater is the biggest resource concern among residents; the declining number of milking herds; the draining of wetlands and structural challenges of enforcement.

Walling moved to recommend approval of Clark County's plan revision for a period of 10 years, seconded by Osterman, and the motion carried.

**Item #4 Recommendation for approval of Land and Water Resource Management Plan revision for Douglas County**

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Ashley Vande Voort, Douglas County Land and Water Resources Department, and Sue Hendrickson, Land Conservation Committee Chair, made a formal presentation in support of a 10-year approval of the county's LWRM plan.

DATCP's review of the plan using the LWRM Plan Review Checklist found that the plan complies with all requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

Douglas County Land and Water Resources Department provided written answers to the Board's standardized questions, recent work plans and accomplishments, and other materials (available on LWCB's website: [https://datcp.wi.gov/Pages/About\\_Us/LandWaterConservationBoard.aspx](https://datcp.wi.gov/Pages/About_Us/LandWaterConservationBoard.aspx)).

Board members and county representatives discussed the following: public involvement in creating the plan; funding for groundwater testing; the decline in dairy operations; future consideration of the Farmland Preservation Program; challenges in education and enforcement of shoreline buffers; a focus on education to combat coastal erosion; goals of the in-lieu fee program for wetland mitigation and interactions with the Army Corps of Engineers and the Wisconsin DNR; board concerns about the wetland mitigation program and a suggestion to return to board prior to implementation with a more fleshed out plan and partner support; failing septic systems and the use of the Wisconsin Fund program to replace older systems; staffing and resource concerns; the board's appreciation of out-of-the-box thinking.

Solin moved to recommend approval of Douglas County's plan revision for a period of 10 years, seconded by Weigel, and the board moved to discussion. Osterman moved to amend the motion, calling for review by the board prior to the implementation of the in-lieu fee program for wetland mitigation, seconded by Buttles. The motion carried with one nay recorded. The board voted on the motion as amended to approve Douglas County's plan revision for a period of 10 years, and the motion carried with one nay recorded.

**Item #5 Recommendation for approval of the 2020 Joint DATCP and DNR Final Allocation Plan**

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Jennifer Heaton-Amrhein, DATCP and Mary Anne Lowndes, DNR made a presentation in support of recommendation for approval of the 2020 Joint DATCP and DNR Final Allocation plan.

DATCP and DNR noted the following changes from the preliminary allocation presented at the August 6<sup>th</sup> LWCB meeting: there were two comments, one about increasing involvement in Farmland Preservation, and one county was concerned about their decreased bonding amount due to paperwork errors; four typographical changes; language added to allow redistribution of reserve SEG funds for statewide conservation priorities; insufficient funding for all Urban Nonpoint Source projects.

Board members discussed the following: a board request to access the scoring matrix for Urban Nonpoint Source projects; the increasing size of Notice of Discharge projects and limited funding lead to more requests than can be met; an overall funding shortage; DATCP financial support for nutrient management.

Grasshoff moved to recommend approval of the 2020 Joint DATCP and DNR Final Allocation Plan, seconded by Potts, and the motion carried.



**Item #6 Recommendation for approval of Land and Water Resource Management Plan revision for La Crosse County**

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Greg Stangl, La Crosse County Land and Water Resources Department, and Steve O'Malley, La Crosse County Administrator, made a formal presentation in support of a 10-year approval of the county's LWRM plan.

DATCP's review of the plan using the LWRM Plan Review Checklist found that the plan complies with all requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

La Crosse County Land and Water Resources Department provided written answers to the Board's standardized questions, recent work plans and accomplishments, and other materials (available on LWCB's website: [https://datcp.wi.gov/Pages/About\\_Us/LandWaterConservationBoard.aspx](https://datcp.wi.gov/Pages/About_Us/LandWaterConservationBoard.aspx)).

Board members and county representatives discussed the following: the county's high level of quality data; the lack of a winter manure spreading ordinance; proactively tackling erosion and teaching workshop participants nutrient management planning; the decline in the number of dairy operations, challenges with renters, and a lack of new farmers; consideration of conservation rental agreements; strategies to manage urban growth; strategies to mitigate damage from frequent and extreme rain events; the need for more outreach and consideration of increasing CREP promotion.

Birschbach moved to recommend approval of La Crosse County's plan revision for a period of 10 years, seconded by Weigel, and the motion carried.

**Item #8 Livestock Facility Siting Update**

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Chris Clayton, DATCP gave an update on proposed changes to ATCP 51 including: the completion of 12 public hearings at six locations; the high level of attendance during afternoon meetings and especially in Spooner; confusion surrounding various ordinances and rules and the opportunity to clear that up; issues discussed that are outside of the scope of the rule; concerns about proposed setbacks; the department's plan to revise the draft rules based on comments and a request to meet with the board before the December meeting.

Board members discussed the benefits of informal conversations after each public hearing and how to adequately communicate public comments to the board.

**Item #9 Recommendation for approval of Land and Water Resource Management Plan revision for Langlade County**

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Molly McKay, Langlade County Land and Water Resources Department, Dave Solin, Land Conservation Committee Chair, Duane Haakenson, Land Records and Regulations Department, and Fred Heider, North Central Regional Planning Commission made a formal presentation in support of a 10-year approval of the county's LWRM plan.

DATCP's review of the plan using the LWRM Plan Review Checklist found that the plan complies with all requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

Langlade County Land and Water Resources Department provided written answers to the Board's standardized questions, recent work plans and accomplishments, and other materials (available on LWCB's website: [https://datcp.wi.gov/Pages/About\\_Us/LandWaterConservationBoard.aspx](https://datcp.wi.gov/Pages/About_Us/LandWaterConservationBoard.aspx)).

Board members and county representatives discussed the following: a revision to the manure storage ordinance and the lack of prohibitions on winter application; the county's small staff and concern about adopting rules they're not able to enforce; resources such as Farmland Preservation, SWRM, grants, and partnerships determining priority work; farmer-led initiative partnering with Discovery Farms and focusing on research; challenges including an aging population, urbanization, limited tourism, and farms going out of business; the creation of the Evergreen AEA; high participation in Farmland Preservation; staffing constraints and the heavy Farmland Preservation workload; concerns about conservation staff turnover across the state and impacts on accomplishments; the board's appreciation of wind storm event information.

Osterman moved to recommend approval of Langlade County's plan revision for a period of 10 years, seconded by Walling, with an abstention by Solin and the motion carried.

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**Item #10 Report on 2018 Program Accomplishments**

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Coreen Fallat, DATCP presented the Land and Water Resource Report on 2018 program accomplishments. Highlights include: county top conservation issues in time spent are farmland preservation, groundwater quality, and invasive species; an increased focus on watershed-based strategies; areas targeted for priority are mainly determined by Land and Water Resource Management Plans; most counties met or exceeded estimated numbers of conservation practices; reasons for not meeting work plan targets were primarily due to weather or unforeseen conditions, followed by changes in landowner interest.

Board members discussed the following: the high level of clear information; the importance of having a narrative and educating legislators; a summary would be useful to explain gaps in conservation funding; the board would like to see counties sharing success stories with each other more often; a disconnect between LCDs and LCCs.

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**Item #11 Discussion on Funding Sources for Programs Subject to LWCB Oversight.**

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Mark Cupp, LWCB Chair led a discussion on funding sources for programs subject to LWCB oversight.

Board members and advisors discussed the following: funding sources such as a tax or fee increase, diverting money from general tax revenue, or shifting funds within state government; a suggestion to invite a DOR analyst to the next meeting; the restrictive nature of federal funds and a suggestion to invite a representative from the US Fish and Wildlife Service; looking to what other states are doing and focusing on results, such as environmental benefits or base-building activities.

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**Item #12 Agency Reports**

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**NRCS** – Biggs reported that the Regional Conservation Partnership Program is accepting proposals, the Floodplain Easement Program is accepting applications, planners will get updated software to use in the field, and weather is delaying the installation of practices.

**WI Land + Water** – Krueger reported that the training for county staff was well attended, county conservationists were featured at roadshow stops for the Water Quality Task Force, and the Water Quality Task Force supports getting full funding for counties.

**DOA** – Potts reported that the Office of Outdoor Recreation is hiring, and the financial report for fiscal year 2019 will release in a couple weeks.

**DATCP** – Walling announced the new Farmland Preservation Program Manager, integrating the Farm Center and the Bureau of Land and Water Resources, and updates on the industrial hemp program.

**DNR** – Weigel provided updates on the targeted performance standards for nitrates with three public hearings to be scheduled, and announced the recruitment for an Agricultural Runoff Section Chief and other vacancies.

**LWCB Chair** – Cupp reported that Birschbach, Buttles and Grasshoff appeared before the Senate Natural Resources Committee.

**Item #13 Planning for December 2019 LWCB meeting**

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- Five LWRM plan revisions (Marquette, Portage, Rock, Polk, Bayfield).
- CREP update may be moved to the following meeting because of the full schedule.

**Item #14 Adjourn**

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Osterman moved to adjourn, seconded by Birschbach, and the motion carried. The meeting was adjourned at 3:05pm.

Respectfully submitted,

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Eric Birschbach, Secretary

Date

Recorder: MMG, DATCP

**CORRESPONDENCE/MEMORANDUM** \_\_\_\_\_ **State of Wisconsin**

**DATE:** November 19, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa K. Trumble, DATCP *Lisa K. Trumble*  
Resource Management Section,  
Bureau of Land and Water Resources

**SUBJECT:** Recommendation for Approval of the *Marquette County Land and Water Resource Management Plan*

**Action Requested:** This is an action item. The department has determined that the *Marquette County Land and Water Resource Management Plan* meets applicable statutory and rule requirements and requests that the LWCB make a recommendation regarding approval of the plan consistent with the Board's guidance.

**Summary:** The plan is written as a 10 year plan, and if approved, the plan would remain in effect through December 31, 2029, and would be subject to a five year review prior to December 31, 2024.

DATCP staff reviewed the plan using the checklist and finds that the plan complies with all the requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

To qualify for 10 year approval of its plan, Marquette County must submit an annual work plan meeting DATCP requirements during each year of its 10 year plan approval.

Marquette County held a public hearing on November 19, 2019, as part of its public input and review process. The Marquette County Land Conservation Committee will present the LWRM plan for County Board approval after receiving a recommendation for approval from the LWCB.

**Materials Provided:**

- LWRM Plan Review Checklist
- Completed LWRM Plan Review form
- 2018 workplan with accomplishments and current 2019 workplan

**Presenters:** Pat Kilbey, Marquette County Conservationist  
Robin Buchholz, Land Conservation Committee Chair



Wisconsin Dept. of Agriculture, Trade and Consumer Protection  
 Agricultural Resource Management Division  
 2811 Agriculture Drive, PO Box 8911  
 Madison WI 53708-8911  
 Phone: (608) 224-4608

## Land and Water Resource Management (LWRM)

### LWRM Plan Review Checklist

Wis. Stats. § 92.10 & Wis. Adm. Code § ATCP 50.12.

County: MARQUETTE

Date Plan Submitted for Review: 10/16/2019

I. ADVISORY COMMITTEE	Yes	No	Page
1. Did the county convene a local advisory committee that included a broad spectrum of public interests and perspectives (such as affected landowners, partner organizations, government officials, educational institutions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2,5
II. PUBLIC PARTICIPATION AND COUNTY BOARD APPROVAL	Date(s)		
1. Provide the dates that the local advisory committee met to discuss the development of the LWRM plan and the county plan of work	July, Nov.		
2. Provide the date the county held a public hearing on the LWRM plan <sup>1</sup>	11/19/19		
3. Provide the date of county board approval of the plan, or the date the county board is expected to approve the plan after the LWCB makes its recommendation. <sup>2</sup>	Jan. 2020		
III. RESOURCE ASSESSMENT AND WATER QUALITY OBJECTIVES	Yes	No	Page
1. Does the plan include the following information as part of a county-wide resource assessment:			
a. Soil erosion conditions in the county <sup>3</sup> , including:			
i. identification of areas within county that have high erosion rates or other soil erosion problems that merit action within the next 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16, Chap 4
b. Water quality conditions of watersheds in the county <sup>3</sup> , including:			
i. location of watershed areas, showing their geographic boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18
ii. identification of the causes and sources of the water quality impairments and pollutant sources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16, Chap 4

<sup>1</sup> Appropriate notice must be provided for the required public hearing. The public hearing notice serves to notify landowners and land users of the results of any determinations concerning soil erosion rates and nonpoint source water pollution, and provides an opportunity for landowners and land users input on the county's plan. Individual notice to landowners is required if the landowners are referenced directly in the LWRM plan. DATCP may request verification that appropriate notice was provided.

<sup>2</sup> The county board may approve the county LWRM plan after the department approves the plan. The plan approved by the county board must be the same plan approved by the department. If the department requires changes to a plan previously approved by the county board, the department's approval does not take effect until the county board approves the modified plan.

<sup>3</sup> Counties should support their analysis of soil and water conditions by referencing relevant land use and natural resource information, including the distribution of major soil types and surface topographic features, and land use categories and their distribution. Sec. ATCP 50.12(3)(b) requires that a county assemble relevant data, including relevant land use, natural resource, water quality and soil data.

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| iii. identification of areas within the county that have water quality problems that merit action within the next 10 years. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chap 4 |
|---|-------------------------------------|--------------------------|--------|

2. Does the LWRM plan address objectives by including the following:

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| a. specific water quality objectives identified for each watershed based upon the resource assessment, if available | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chap 4 |
| b. pollutant load reduction targets for the watersheds, if available  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 29-30  |

Other comments:

**IV. DNR CONSULTATION**

**Yes      No      Page**

- |  |                                     |                          |   |
|--|-------------------------------------|--------------------------|---|
| 1. Did the county consult with DNR <sup>4</sup> to obtain water quality assessments, if available; to identify key water quality problem areas; to determine water quality objectives; and to identify pollutant load reduction targets, if any; and to review NR 151 implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7 |
|--|-------------------------------------|--------------------------|---|

Other comments: \_\_\_\_\_

**V. PLAN IMPLEMENTATION**

**Yes      No      Page**

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| 1. Does the LWRM plan include the following implementation components: :  |                                     |                          |        |
| a. A voluntary implementation strategy to encourage adoption of farm conservation practices   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 28     |
| b. State and local regulations used to implement the plan   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7-8    |
| c. Compliance procedures that apply for failure to implement the conservation practices in ATCP 50, ch. NR 151 and related local regulations                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 28     |
| d. Relevant conservation practices to achieve compliance with performance standards and prohibitions and to address identified water quality and erosion problems | <input checked="" type="checkbox"/> | <input type="checkbox"/> | App 1  |
| e. A system for meeting county responsibilities to monitor the compliance of participants in the farmland preservation program                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 24, 31 |
| 2. Does the LWRM plan (or accompanying work plan) estimate:   |                                     |                          |        |
| a. expected costs of implementing the plan including cost-sharing for conservation practices needed to achieve plan objectives                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | w.p.   |
| b. the staff time needed to provide technical assistance and education and outreach to implement the plan.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | w.p.   |

<sup>4</sup> While requirements for DNR consultation may be satisfied by including relevant DNR representatives on the advisory committee, counties may also need to interact with DNR staff in central or regional offices to meet all of the consultation requirements. DNR may point counties to other resources to obtain information including consultants who can calculate pollutant load reduction targets.

- |   |                                     |                          |    |
|---|-------------------------------------|--------------------------|----|
| 3. Does the LWRM plan describe a priority farm strategy designed to make reasonable progress in implementing state performance standards and conservation practices on farms appropriately classified as a priority | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 26 |
|---|-------------------------------------|--------------------------|----|

Other comments:

VI. OUTREACH AND PARTNERING	Yes	No	Page
1. Does the LWRM plan describe a strategy to provide information and education on soil and water resource management, conservation practices and available cost-share funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27, Chap 6
2. Does the LWRM plan describe coordination activities with local, state and federal agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

Other comments:

VII. WORK PLANNING AND PROGRESS MONITORING	Yes	No	Page
1. Does the county's most recent annual work plan <sup>5</sup> do both of the following:			
a. Provide measurable performance benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
b. Identify priorities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
2. Does the LWRM plan describe a strategy and framework for monitoring county progress implementing its plan including methodology to track and measure progress in meeting performance benchmarks and plan objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24, 27

Other comments: \_\_\_\_\_

**VIII. EPA SECTION 319 CONSIDERATIONS**

1. IS THE COUNTY WORKING WITH DNR TO SEEK EPA APPROVAL OF THIS PLAN AS MEETING THE REQUIREMENTS OF A 9 KEY ELEMENT PLAN UNDER SECTION 319 OF THE CLEAN WATER ACT: NO

**STAFF RECOMMENDATION**

Staff has reviewed the above-referenced county LWRM plan based on the criteria required in s. ATCP 50.12, Wis. Admin. Code, and s. 92.10, Stats., and has determined that the plan meets the criteria for DATCP approval of this plan. This checklist review is prepared to enable the LWCB to make recommendations regarding plan approval, and for DATCP to make its final decision regarding plan approval.

Staff Signature:     *Lisa K. Trumble*     Date:     11/14/2019    

<sup>5</sup> Counties must submit annual work plan by no later than April 15<sup>th</sup> of every year to meet the requirement in s. ATCP 50.12(2)(i) for counties to have multi-year work plans.



Land and Water Conservation Board  
County Land and Water Resource Management Plan  
Review of LWRM Plan Revisions

County: MARQUETTE

**Implementation Covering Past Five Years and Future Directions**

Answer these four questions in writing (not to exceed 4 pages)

1. Provide a representative number of accomplishments within the last five years that can be directly traced to activities identified in multiple work plans. For each accomplishment, explain how the planning process helped the county achieve its outcome, including planning adjustments that helped better target county activities.

NUTRIENT MANAGEMNT:

*Since 2015 an additional 11,750 acres have been added under 590 plans which is 3,750 over goal.*

*Farmer Produced Plans now has 36 producers annually taking class becoming certified to write their own plans.*

FARMLAND PRESERVATION PROGRAM:

*Increase from 27 participants in 2015 to 68 participants (to date) in 2019. Marquette County now has 21,777 acres enrolled in FPP Total of 41 Certificates of Compliance for FPP have been issued to date since 2015.*

*Marquette County used the workload identified in the LWRM Plan was evolving and realized the need for Agronomist Position. This led to creating a half time Agronomist for the Department in 2015. The increases in numbers above are in direct correlation to the creation of this position.*

*With this position, the County will also further promote Soil Health initiatives in the County.*

2. Identify any areas where the county was unable to make desired progress in implementing activities identified in recent work plans. For each area identified, explain the work plan adjustments that were made to refocus planned activities. If no areas are identified, explain how the county was able to make progress in all the areas planned.

NR151 COMPLIANCE SCHEDULING & TRACKING:

*Lacking in GIS staffing and technology has left us stagnant in tracking NR151 Compliance. We do our best tracking these through database(s) but are limited due to resources and technology. We received estimates for tracking software from Private Companies but do not have nor can come up with the budget dollars to purchase.*



### SOIL HEALTH & COVER CROPS:

Limited Staff, lack of eligible programs and available cost share dollars did not allow us to meet certain goals that were listed in the last plan (2009) and updated Workplans (2015 and beyond).

In 2018 NRCS approached Counties in the Upper Fox Watershed to entertain idea starting a Demo Farm Network focusing on soil health. Marquette County accepted the invite, provided funding and have joined the Demo Farm Network. Ultimately getting a County Producer to participate, the program started in 2019. Although early in the Demo Farm Program timeline, we already held a successful field day in 2019.

Participating in the Demo Farm Network will help us increase the amount of cover crops and soil health initiatives in the County.

3. Describe the county's approach to implementation of its priority farm strategy including outreach, farm inventories and making use of multiple funding sources. How has the county evaluated the effectiveness of its priority farm strategy and used this information to improve implementation of the agricultural performance standards and conservation practices on farms?

Our Priority Farm Strategy was adjusted in 2016 after the County Farmland Preservation Plan was updated (adding numerous eligible acres). Using Farmland Preservation Participants as our number one tool under the strategy, we have made large strides issuing Certificates of Compliance. We have expanded on our Priority Farm Strategy in the updated plan (Chapter 5).

Evaluation and effectiveness of this approach cannot be measured accurately as we do not currently have a tracking tool. This also is addressed in chapter 5 where we plan on using the WDNR BITS Tracking Software as it comes available. If BITS does not come to fruition, the County will look to the private sector software and explore purchasing a program.

4. Provide representative examples that show changes in direction in the county's LWRM plan and annual work plans, with specific examples provided showing adjustments in goals, objectives or planned activities.

Farmland Preservation (NR151 compliance) and Soil Health are 2 of the biggest changes/adjustment to our Workplan(s). By adapting to changes in programs, program eligibility, cost share and other avenues, we try and capitalize on available programs and the current hot topic to increase participation.

Examples would be the increase of Landowners enrolling in FPP which directly impacts the number of acres in the County (forecasted) added under a Nutrient Management Plan.

**Annual Work Plans**

Attach both of the following:

- a. The most current annual work plan, prepared in the current format from DATCP, and addresses all required items such as needed funding and staff hours.
- b. The work plan for the previous year that includes a column that identifies the progress in implementing the planned activities for that year.

**Presentation Regarding County Resource Concerns**

Prepare and present an 8-10 minute snapshot to the board regarding county resources and management issues. The county must prepare one of following as part of this brief presentation:

- a. A PowerPoint (showing what your county looks like, can include maps), or
- b. A hand out (2 page max)

**Guidance on Board Review Process**

The LWCB’s review supplements, but does not replace compliance with the DATCP checklist for LWRM plan approval. This encourages and supports honest presentations from the county. The county is strongly encouraged to have the LCC chair or committee member be a part of the presentation to the Board to contribute policy and other insights to the discussion. The goal of the review is not to fail counties. The board recognizes the dynamic nature of the planning process. Board members are interested in how counties tackle priorities over time and how they respond to changing conditions in pursuing their priorities. The board will evaluate a county’s planning and implementation based on how well the county balances and prioritizes the following: agricultural performance standards, other state priorities (impaired waters, FPP checks), and local priorities. When needed, the Board will provide constructive support to counties to improve the quality of their planning.

**Land Conservation Committee Notification**

The LCC was provided a completed copy of this form (including attachments) on:

**Signature of Authorized Representative:** Patrick Kelly **Date:** 11/19/19  
(e.g. County Conservationist, LCC chair)

Send completed form and attachments to:  
Lisa.Trumble@wi.gov

## Marquette County 2018 Work Plan Local Identified Priorities

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code	PERFORMANCE MEASUREMENTS
<ul style="list-style-type: none"> <li>• <i>Cropland</i></li> </ul>		
<b>Cropland conservation practices installed to implement state performance standards and prohibitions</b>	<ul style="list-style-type: none"> <li>*Install <u>1,600</u> acres of Nutrient Management Plans</li> <li>Design/Install 4 Grassed Waterway Systems</li> <li>Design/Install 1 WASCOD</li> <li>Install 4 acres Critical Area Stabilization</li> </ul>	<ul style="list-style-type: none"> <li>3,720 acres installed under Nutrient Management Plan</li> <li>2 practice(s) installed</li> <li>6 acres installed</li> </ul>
<b>Farmer Education on Developing Nutrient Management Plans</b>	<ul style="list-style-type: none"> <li>Train 10 new farmers on Plan development</li> <li>Re-train 25 farmers to update existing plan</li> </ul>	<ul style="list-style-type: none"> <li>8 new farmers trained</li> <li>28 farmers updated</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Livestock</i></li> </ul>		
<b>Farm Inspections to implement state performance standards and prohibitions</b>	<ul style="list-style-type: none"> <li>*Perform 8 FPP Status Compliance Reviews</li> <li>*Perform 2 NR151 Compliance Reviews</li> <li>Issue Certificates of compliance or non-compliance</li> </ul>	<ul style="list-style-type: none"> <li>14 FPP Reviews completed</li> <li>12 NR151 Compliance reviews complete</li> <li>26 compliance certificates issued</li> </ul>
<b>Livestock Facility conservation practices installed to meet state performance standards</b>	<ul style="list-style-type: none"> <li>Design/install 1 manure storage facility</li> <li>Design/install 2 barnyard runoff control systems</li> </ul>	<ul style="list-style-type: none"> <li>1 facility designed/installed</li> <li>2 control systems designed, 1 installed</li> </ul>
<b>Promote Rotational Grazing</b>	<ul style="list-style-type: none"> <li>Assist/Design/Install rotational grazing system</li> </ul>	<ul style="list-style-type: none"> <li>1 plan designed 0 installed</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Water Quality</i></li> </ul>		
<b>Water Quality</b>	<ul style="list-style-type: none"> <li>Promote Soil Health (cover crops, etc.)</li> <li>Assist/Design/Install 5 lakeshore/streambank project</li> <li>Promote CREP/enroll 1 Landowner</li> <li>*Approve/Inspect 20 Erosion Control Plans in SWQMA's</li> </ul>	<ul style="list-style-type: none"> <li>Assisted 5 Landowners with NRCS/EQIP Cover Crop Sign Up</li> <li>Designed 2 stream/lake shore stabilization projects</li> <li>Enrolled 1 Landowner in CREP (wetland and buffer)</li> <li>24 Erosion Control Plans reviewed/inspected</li> </ul>
<b>Water Quantity</b>	<ul style="list-style-type: none"> <li>*Monitor 8 Streamflow sites for baseflow</li> <li>*Monitor 8 Lake Level Sites utilizing volunteers</li> </ul>	<ul style="list-style-type: none"> <li>Monitored all sites 11 times in 2018</li> </ul>

• <i>Invasive</i>		
<b>Aquatic Invasive species</b>	<i>Continue to contract with RC&amp;D for Aquatic Invasive Species Coordinator</i>	<i>Continued support of AIS Coordinator Position</i>
• <i>Wildlife</i>		
<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>Wetland restoration Wildlife damage program(contract with USDA/WS) Annual Tree Sale</i>	<i>13 Acres of wetland restored 48,600 trees sold</i>
• <i>Urban</i>		
<b>Urban issues</b>	<i>Stormwater control Construction site erosion control</i>	<i>2 site visits 1 Urban setting plan reviewed</i>
• <i>Watershed</i>		
<b>Watershed strategies</b>	<i>P-compliance TMDL coordination Producer-led</i>	<i>Participated in Upper Fox/Wolf Rivers TMDL Inventory</i>
• <i>Other</i>		
<b>Other</b>	<i>Non-Metallic Mining Reclamation: Inspection of 5 mines</i>	<i>0 plan reviews 2 inspections completed</i>

*\*Denotes Benchmark is noted in LWRM Plan*

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits		
Manure storage construction and transfer systems	2	1
Manure storage closure		
Livestock facility siting		
Nonmetallic/frac sand mining	5	
Stormwater and construction site erosion control	20	24
Shoreland zoning	5	7
Wetlands and waterways (Ch. 30)		
Other		

Table 3: Planned inspections

Inspections	Number of inspections planned	
Total Farm Inspections		
For FPP	8	<i>14 inspected</i>
For NR 151	2	<i>12 inspected</i>
Animal waste ordinance		
Livestock facility siting		
Stormwater and construction site erosion control	20	<i>24 inspected</i>
Nonmetallic mining	5	<i>2 inspected</i>

Table 4: Planned outreach and education activities

Activity	Number	
Tours		
Field days	2	<i>1</i>
Trainings/workshops	5	<i>4</i>
School-age programs (camps, field days, classroom)	4	<i>4</i>
Newsletters		<i>2</i>
Social media posts	50	<i>40</i>
News release/story	20	<i>11</i>

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>County Conservationist</i>	2080	\$100,766
<i>Engineering Technician</i>	2080	\$61,000
<i>Agronomist/Program Coordinator</i>	1144	\$32,000
<b>Cost Sharing</b> (can be combined)		
<i>Ex. Bonding</i>	<i>N/A</i>	<i>\$70,000</i>
<i>Ex. SEG</i>	<i>N/A</i>	<i>\$50,000</i>

**MARQUETTE COUNTY 2019 ANNUAL WORK PLAN**  
**LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (Goals and objectives from LWRM plan)	PLANNED ACTIVITIES WITH BENCHMARKS	PERFORMANCE MEASUREMENTS
<i>• Cropland</i>		
<b>Cropland conservation practices installed to implement state performance standards and prohibitions</b>	<i>*Install 1,600 acres of Nutrient Management Plans  Design/Install 3 Grassed Waterway Systems Design/Install 2 Grade Stabilizing Structures Install 4 acres Critical Area Stabilization</i>	<i># of acres enrolled/installed under Nutrient Management Plan  Number of practice(s) installed Amount of cost-share dollars spent</i>
<b>Farmer Education on Developing Nutrient Management Plans</b>	<i>Train 10 new farmers on Plan development Re-train 25 farmers to update existing plan</i>	<i>Number of farmers taking training</i>
<i>• Livestock</i>		
<b>Farm Inspections to implement state performance standards and prohibitions</b>	<i>*Perform 12 FPP Status Compliance Reviews *Perform 2 NR151 Compliance Reviews Issue Certificates of compliance or non-compliance</i>	<i>Number of Reviews completed Number of compliance certificates issued</i>
<b>Livestock Facility conservation practices installed to meet state performance standards</b>	<i>Design/install 2 barnyard/feedlot runoff control systems Design/install 3 clean water diversions</i>	<i>Number of practices installed Amount of cost share dollars spent # lbs of sediment reduced (using any approved method) # lbs of P reduced (using any approved method)</i>
<b>Promote Rotational Grazing</b>	<i>Assist/Design/Install rotational grazing system</i>	<i>Number of plans promoted/reviewed/installed</i>
<i>• Water quality</i>		
<b>Water Quality</b>	<i>Promote Soil Health/Start Demo Farm Network Assist/Design/Install 5 lakeshore/streambank project Promote CREP/enroll 1 Landowner *Approve/Inspect 20 Erosion Control Plans in SWQMA 's</i>	<i>Type and units of practice(s) installed Amount of cost-share dollars spent # lbs of sediment reduced (using any approved method) # lbs of P reduced (using any approved method)</i>
<b>Water Quantity</b>	<i>*Monitor 8 Streamflow sites for baseflow *Monitor 8 Lake Level Sites Assist WDNR with Central Sands Lake Study</i>	<i>Baseflow readings recorded # of readings entered into SWIMS Database</i>
<i>• Invasive</i>		
<b>Aquatic Invasive Species</b>	<i>Continue to contract with RC&amp;D for Aquatic Invasive Species Coordinator</i>	<i>Number of surveys completed Number of control efforts implemented/sites treated</i>

**MARQUETTE COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

- *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>Wetland restoration Wildlife damage program(contract with USDA/WS) Annual Tree Sale</i>	<i>Acres of wetland restored Number of trees sold</i>
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- *Urban*

<b>Urban issues</b>	<i>Stormwater control Construction site erosion control</i>	<i>Number of site visits Number of plan reviews</i>
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- *Watershed*

<b>Watershed strategies</b>	<i>Upper Fox Demo Farms Participant P-compliance TMDL coordination</i>	<i>Number of meetings attended/presentations given Modeling completed Number of partner contacts made Information system/tracking developed Number of partnership development activities accomplished</i>
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- *Other*

<b>Other</b>	<i>Non-Metallic Mining Reclamation</i>	<i>Number of plans reviewed Number of inspections</i>
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**\*Denotes Benchmark is noted in LWRM Plan**

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits		
Manure storage construction and transfer systems	1	1
Manure storage closure		
Livestock facility siting		
Nonmetallic/frac sand mining	5	1
Stormwater and construction site erosion control	18	18
Shoreland zoning	10	10
Wetlands and waterways (Ch. 30)		
Other		

**MARQUETTE COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 3: Planned inspections

<b>Inspections</b>	<b>Number of inspections planned</b>
Total Farm Inspections	
For FPP	<i>10</i>
For NR 151	<i>Unknown</i>
Animal waste ordinance	
Livestock facility siting	
Stormwater and construction site erosion control	20
Nonmetallic mining	5

Table 4: Planned outreach and education activities

<b>Activity</b>	<b>Number</b>
Tours	2
Field days	5
Trainings/workshops	2
School-age programs (camps, field days, classroom)	5
Newsletters	
Social media posts	40
News release/story	30

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

<b>Staff/Support</b>	<b>Hours</b>	<b>Costs</b>
<i>County Conservationist</i>	2080	\$106,882
<i>Engineering Technician</i>	2080	\$66,062
<i>Agronomist/Program Coordinator</i>	1560	\$62,684
<b>Cost Sharing (can be combined)</b>		
<i>Bonding</i>	<i>N/A</i>	\$39,400
<i>SEG</i>	<i>N/A</i>	\$45,000
<i>EQIP</i>	<i>N/A</i>	\$25,000



**CORRESPONDENCE/MEMORANDUM** \_\_\_\_\_ **State of Wisconsin**

**DATE:** November 20, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa K. Trumble, DATCP *Lisa K. Trumble*  
Resource Management Section,  
Bureau of Land and Water Resources

**SUBJECT:** Recommendation for Approval of the *Rock County Land and Water Resource Management Plan*

**Action Requested:** This is an action item. The department has determined that the *Rock County Land and Water Resource Management Plan* meets applicable statutory and rule requirements and requests that the LWCB make a recommendation regarding approval of the plan consistent with the Board's guidance.

**Summary:** The plan is written as a 10 year plan, and if approved, the plan would remain in effect through December 31, 2029, and would be subject to a five year review prior to December 31, 2024.

DATCP staff reviewed the plan using the checklist and finds that the plan complies with all the requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

To qualify for 10 year approval of its plan, Rock County must submit an annual work plan meeting DATCP requirements during each year of its 10 year plan approval.

Rock County held a public hearing on November 12, 2019, as part of its public input and review process. The Rock County Land Conservation Committee will present the LWRM plan for County Board approval after receiving a recommendation for approval from the LWCB.

**Materials Provided:**

- LWRM Plan Review Checklist
- Completed LWRM Plan Review form
- 2018 workplan with accomplishments and current 2019 workplan

**Presenters:** Tom Sweeney, Rock County Conservationist  
Richard Bostwick, Land Conservation Committee Chair  
Anne Miller, Conservation Specialist



Wisconsin Dept. of Agriculture, Trade and Consumer Protection  
 Agricultural Resource Management Division  
 2811 Agriculture Drive, PO Box 8911  
 Madison WI 53708-8911  
 Phone: (608) 224-4608

## Land and Water Resource Management (LWRM)

### LWRM Plan Review Checklist

Wis. Stats. § 92.10 & Wis. Adm. Code § ATCP 50.12.

County: ROCK

Date Plan Submitted for Review: 9/23/2019

I. ADVISORY COMMITTEE	Yes	No	Page
1. Did the county convene a local advisory committee that included a broad spectrum of public interests and perspectives (such as affected landowners, partner organizations, government officials, educational institutions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	i
II. PUBLIC PARTICIPATION AND COUNTY BOARD APPROVAL			Date(s)
1. Provide the dates that the local advisory committee met to discuss the development of the LWRM plan and the county plan of work			6/10/19 7/8/19 8/12/19
2. Provide the date the county held a public hearing on the LWRM plan <sup>1</sup>			11/12/19
3. Provide the date of county board approval of the plan, or the date the county board is expected to approve the plan after the LWCB makes its recommendation. <sup>2</sup>			Jan. 2020
III. RESOURCE ASSESSMENT AND WATER QUALITY OBJECTIVES	Yes	No	Page
1. Does the plan include the following information as part of a county-wide resource assessment:			
a. Soil erosion conditions in the county <sup>3</sup> , including:			
i. identification of areas within county that have high erosion rates or other soil erosion problems that merit action within the next 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23-25
b. Water quality conditions of watersheds in the county <sup>3</sup> , including:			
i. location of watershed areas, showing their geographic boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12
ii. identification of the causes and sources of the water quality impairments and pollutant sources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chap 2

<sup>1</sup> Appropriate notice must be provided for the required public hearing. The public hearing notice serves to notify landowners and land users of the results of any determinations concerning soil erosion rates and nonpoint source water pollution, and provides an opportunity for landowners and land users input on the county's plan. Individual notice to landowners is required if the landowners are referenced directly in the LWRM plan. DATCP may request verification that appropriate notice was provided.

<sup>2</sup> The county board may approve the county LWRM plan after the department approves the plan. The plan approved by the county board must be the same plan approved by the department. If the department requires changes to a plan previously approved by the county board, the department's approval does not take effect until the county board approves the modified plan.

<sup>3</sup> Counties should support their analysis of soil and water conditions by referencing relevant land use and natural resource information, including the distribution of major soil types and surface topographic features, and land use categories and their distribution. Sec. ATCP 50.12(3)(b) requires that a county assemble relevant data, including relevant land use, natural resource, water quality and soil data.

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| iii. identification of areas within the county that have water quality problems that merit action within the next 10 years. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chap 2 |
|---|-------------------------------------|--------------------------|--------|

2. Does the LWRM plan address objectives by including the following:

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| a. specific water quality objectives identified for each watershed based upon the resource assessment, if available | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chap 2 |
| b. pollutant load reduction targets for the watersheds, if available  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chap 2 |

Other comments: Rock River TMDL

IV. DNR CONSULTATION	Yes	No	Page
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- |  |                                     |                          |   |
|--|-------------------------------------|--------------------------|---|
| 1. Did the county consult with DNR <sup>4</sup> to obtain water quality assessments, if available; to identify key water quality problem areas; to determine water quality objectives; and to identify pollutant load reduction targets, if any; and to review NR 151 implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3 |
|--|-------------------------------------|--------------------------|---|

Other comments:

V. PLAN IMPLEMENTATION	Yes	No	Page
------------------------	-----	----	------

- |   |                                     |                                     |              |
|---|-------------------------------------|-------------------------------------|--------------|
| 1. Does the LWRM plan include the following implementation components: :  |                                     |                                     |              |
| a. A voluntary implementation strategy to encourage adoption of farm conservation practices   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 85-88        |
| b. State and local regulations used to implement the plan   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Chap 4       |
| c. Compliance procedures that apply for failure to implement the conservation practices in ATCP 50, ch. NR 151 and related local regulations                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 88,91, 127   |
| d. Relevant conservation practices to achieve compliance with performance standards and prohibitions and to address identified water quality and erosion problems | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 114          |
| e. A system for meeting county responsibilities to monitor the compliance of participants in the farmland preservation program                                    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 77-79, 93,98 |
- 
- |  |                                     |                          |      |
|--|-------------------------------------|--------------------------|------|
| 2. Does the LWRM plan (or accompanying work plan) estimate:  |                                     |                          |      |
| a. expected costs of implementing the plan including cost-sharing for conservation practices needed to achieve plan objectives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | w.p. |
| b. the staff time needed to provide technical assistance and education and outreach to implement the plan.                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | w.p. |

<sup>4</sup> While requirements for DNR consultation may be satisfied by including relevant DNR representatives on the advisory committee, counties may also need to interact with DNR staff in central or regional offices to meet all of the consultation requirements. DNR may point counties to other resources to obtain information including consultants who can calculate pollutant load reduction targets.

- |   |                                     |                          |    |
|---|-------------------------------------|--------------------------|----|
| 3. Does the LWRM plan describe a priority farm strategy designed to make reasonable progress in implementing state performance standards and conservation practices on farms appropriately classified as a priority | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 86 |
|---|-------------------------------------|--------------------------|----|

Other comments:

VI. OUTREACH AND PARTNERING	Yes	No	Page
1. Does the LWRM plan describe a strategy to provide information and education on soil and water resource management, conservation practices and available cost-share funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chap 6
2. Does the LWRM plan describe coordination activities with local, state and federal agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chap 6

Other comments: \_\_\_\_\_

VII. WORK PLANNING AND PROGRESS MONITORING	Yes	No	Page
1. Does the county's most recent annual work plan <sup>5</sup> do both of the following:			
a. Provide measurable performance benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
b. Identify priorities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
2. Does the LWRM plan describe a strategy and framework for monitoring county progress implementing its plan including methodology to track and measure progress in meeting performance benchmarks and plan objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chap 5

Other comments:

**VIII. EPA SECTION 319 CONSIDERATIONS**

1. IS THE COUNTY WORKING WITH DNR TO SEEK EPA APPROVAL OF THIS PLAN AS MEETING THE REQUIREMENTS OF A 9 KEY ELEMENT PLAN UNDER SECTION 319 OF THE CLEAN WATER ACT: No

**STAFF RECOMMENDATION**

Staff has reviewed the above-referenced county LWRM plan based on the criteria required in s. ATCP 50.12, Wis. Admin. Code, and s. 92.10, Stats., and has determined that the plan meets the criteria for DATCP approval of this plan. This checklist review is prepared to enable the LWCB to make recommendations regarding plan approval, and for DATCP to make its final decision regarding plan approval.

Staff Signature:     *Lisa K. Trumble*     Date:     11/20/2019    

<sup>5</sup> Counties must submit annual work plan by no later than April 15<sup>th</sup> of every year to meet the requirement in s. ATCP 50.12(2)(i) for counties to have multi-year work plans.



Land and Water Conservation Board  
County Land and Water Resource Management Plan  
Review of LWRM Plan Revisions

County: ROCK

**Implementation Covering Past Five Years and Future Directions**

Answer these four questions in writing (not to exceed 4 pages)

1. Provide a representative number of accomplishments within the last five years that can be directly traced to activities identified in multiple work plans. For each accomplishment, explain how the planning process helped the county achieve its outcome, including planning adjustments that helped better target county activities.

ANSWER:

The first accomplishment is the development of the Rock County Nitrate workgroup. This group was developed and appointed by County board action in 2017. The workgroup is composed of County Board member, farmers and agricultural industry representatives. The County Board charged this group with developing a response to the high nitrates in groundwater/drinking water that have become common throughout Rock County. From this workgroups oversite, the LCD was able to secure a staffing grant that will allow for the development of 9KE plans for select watersheds, the development of Producer led watershed groups, and finally a comprehensive groundwater quality monitoring pilot (County Farm) that will be used for BMP effectiveness regarding Nitrates in GW.

The second accomplishment is the commencing implementation of the Yahara WINS project in the confines of Rock County. This project is being used as a pilot for the Rock County LCD staff to get an understanding of Phosphorus reductions on a large scale. From this knowledge the LCD has initiated discussions with additional Municipalities for pollution trading/adaptive management. By years end, we should have additional MOUs in place to commence implementation in the spring of 2020.

The LCD Nutrient Management program- farmer workshops has taken off and currently the LCD/DATCP trains approximately 45 farmers (26,556 acres) in the art of nutrient management planning.

The Conservation Reserve Enhancement Program is another highlight. Rock County continues to and reenroll clients into the program. Rock County remains one of the leaders in this statewide program.

2. Identify any areas where the county was unable to make desired progress in implementing activities identified in recent work plans. For each area identified, explain the work plan adjustments that were made to refocus planned activities. If no areas are identified, explain how the county was able to make progress in all the areas planned.

ANSWER:

The largest area of unable to make progress is in regards to the repopulation of small farmsteads with animals, without meeting NR 151. Rock County has twenty towns that control their own zoning, which in turn has seen a large number of farmsteads that would be considered new sites being repopulated with animals without regard to NR 151 requirements. This has led to find them and punish them approach which in turn has not been good PR for the LCD. During the towns required update of their FPP zoning, all towns were notified about his requirement. However, the towns have not communicated issuance of conditional use permits regarding the repopulation of these sites.

Another area of concern has been the exodus from Farmland Preservation Program. Over the last few years the Rock County LCD has noticed a large voluntary withdraw from the program. When staff asks individuals/landowners why they chose to withdraw, the most common answer was the costs associated with the program. The LCC responded and a white paper was developed, from this the Rock County Board of Supervisors, through Resolution, requested the state make changes to the program in regards to the credits received. Draft legislation was developed as a result of this issue.

The last area of concern is the States inability to effectively manage the CAFO program. Rock County has a CAFO that has, over time, become out of compliance with the permit issued to the operation. This operation has also become a time sink of County staff to right its wrongs. Just recently all communication have stopped with the owners of this operation.

3. Describe the county's approach to implementation of its priority farm strategy including outreach, farm inventories and making use of multiple funding sources. How has the county evaluated the effectiveness of its priority farm strategy and used this information to improve implementation of the agricultural performance standards and conservation practices on farms?

ANSWER:

The LWRM defines the Priority farm strategy very well. Here is a summary: The strategy will focus on a countywide Nutrient Management effort for farms making excessive nutrient applications. Also the strategy will include farms in subwatersheds, which directly drain to either ERW or 303(d) waters. Subwatersheds will be ranked according to their ability to respond to the implementation of Best Management Practices for the abatement of nonpoint source pollution. Also, farms that are subject to a DNR notice of intent under s.281.16(4) or a NOD under NR 243.24, shall also be included in the priority farm strategy.

The first part of the strategy has gone very well in regards to implementation of Nutrient Management Plans. Rock County has approximately 282,000 acres in crop

production. Current stats provided by DATCP shows Rock County has approximately 110,000 acres or 39% of row crops acreage under NMPs.

The second part of the strategy includes efforts to identify farms draining directly to ERW or 303(d) listed waters. This effort has been slow to implement due in part to the rapid changes in agriculture within Rock County. Staff continues livestock in stream corridors/ lakes and/or wetlands having unrestricted access. As a result of this effort, the LCD has discovered numerous existing storage facilities not meeting the animal waste storage prohibitions or not being up to code.

The LCD also works with landowners on a voluntary basis whom request technical assist for updating facilities.

And finally, the efforts put forth regarding adaptive management implementation in the Yahara River watershed has been exceptional. Find attachment from the Yahara WINS annual report.

4. Provide representative examples that show changes in direction in the county's LWRM plan and annual work plans, with specific examples provided showing adjustments in goals, objectives or planned activities.

ANSWER:

The largest change in direct is the recognition of and integration of groundwater resource protection. As 100% of the residence of Rock County depend on Groundwater as their primary water source, it is imperative that the LCD integrate effort to protect the same.

Current staffing levels will not keep up with the water resource needs in the future. Also current levels of funding provided by DATCP/DNR annual allocation plan will not meet the needs of water quality efforts in Rock County. As a result, the LCD has partnered with USDA-NRCS for a staffing grant and will explore additional funding opportunities for BMP implementation in the near future. Also, the LCD has requested the establishment of a county cost share fund that can be used to fund BMP's on the most critical farms. This effort has not gone well.

### **Annual Work Plans**

Attach both of the following:

- a. The most current annual work plan, prepared in the current format from DATCP, and addresses all required items such as needed funding and staff hours.
- b. The work plan for the previous year that includes a column that identifies the progress in implementing the planned activities for that year.

### **Presentation Regarding County Resource Concerns**

Prepare and present an 8-10 minute snapshot to the board regarding county resources and management issues. The county must prepare one of following as part of this brief presentation:

- a. A PowerPoint (showing what your county looks like, can include maps), or
- b. A hand out (2 page max)

### **Guidance on Board Review Process**

The LWCB's review supplements, but does not replace compliance with the DATCP checklist for LWRM plan approval. This encourages and supports honest presentations from the county. The county is strongly encouraged to have the LCC chair or committee member be a part of the presentation to the Board to contribute policy and other insights to the discussion. The goal of the review is not to fail counties. The board recognizes the dynamic nature of the planning process. Board members are interested in how counties tackle priorities over time and how they respond to changing conditions in pursuing their priorities. The board will evaluate a county's planning and implementation based on how well the county balances and prioritizes the following: agricultural performance standards, other state priorities (impaired waters, FPP checks), and local priorities. When needed, the Board will provide constructive support to counties to improve the quality of their planning.

### **Land Conservation Committee Notification**

The LCC was provided a completed copy of this form (including attachments) on: 10/02/2019

**Signature of Authorized Representative:**  
(e.g. County Conservationist, LCC chair)



**Date:** 10/2/19

Send completed form and attachments to:  
[Lisa.Trumble@wi.gov](mailto:Lisa.Trumble@wi.gov)



**ROCK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	ACCOMPLISHMENTS
<p>• <i>Cropland</i></p>		
<p><b>Cropland, soil health and/or nutrient management</b></p>	<p>Install cropland practices</p> <ul style="list-style-type: none"> <li>• 15 waterways cost-shared.</li> <li>• 10 nutrient management plans cost-shared.</li> <li>• 35 NM plans generated through farmer training.(20,000 acres)</li> <li>• 300 NM Plan Reviews</li> </ul> <p>Provide technical assistance including training. 1,600 hours of staff time-Nut Mgt. 400 hours for waterways</p>	<p>7 waterway cost shared = 15.6 acres 43 NMPs cost shared or 2,934.86 acres 45 farmer attended NMP workshops resulting in 26,556 acre in NMP plans 252 NMPs submitted by private sector reviewed, covering 99,000 acres. 2 WASCOBS installed. 150 acres of cover crops cost shared on corn silage ground.</p> <p>The following information was not calculated: # lbs. of sediment reduced (approved method used) # lbs. of P reduced (approved method used) # acres of cropland in compliance with a performance standard (e.g. soil erosion, tillage setback)</p>
<p>• <i>Livestock</i></p>		
<p><b>Livestock</b></p>	<p>Install livestock practices</p> <ul style="list-style-type: none"> <li>• 2 storage facility closures cost-shared</li> <li>• 1 storage facility new construction.</li> <li>• Diversions 500’</li> <li>• Work with Town Governments to ensure that NR151 compliance is a requirement for farm related conditional use permits.</li> </ul> <p>Provide technical assistance including training and plans reviews. Closures: 60 hrs. New Construction: 140 hrs.</p>	<p>1 Permit issued for Manure Management Ordinance. 1200 ‘ of diversion installed 4 interactions with town governments relating to NR 151. 2102’ of trails and walkways 8 livestock watering facilities 48’ of stream crossing</p> <p>The following information was not calculated: # lbs. of sediment reduced (approved method used) # lbs. of P reduced (approved method used) # of livestock facilities in compliance with a performance standard</p>
<p>• <i>Water quality</i></p>		
<p><b>Yahara WINS – Adaptive Management Program</b></p>	<p>Provide assistance to the Yahara WINS group to implement BMPs in the Yahara River and Badfish Creek sub watersheds</p>	<p>26.6 acres of riparian buffers 321 feet Streambank Protection 11.1 acres of Field buffers established # lbs. of sediment reduced (approved method used) – not calculated 922 lbs. of P reduced (approved method used)</p>

**ROCK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

<b>Rock River TMDL Implementation Strategy and Partnership Development</b>	Develop partnerships for pollution trading in the Lower Rock River Basin. Evaluate trading opportunities with new partners Install BMPs	<b>This program remains in the program developmental stage.</b>  0 MOU's signed 0 contracts signed 0 practices installed
<b>Protect and Improve Groundwater</b>	Provide assistance to Groundwater Quality Workgroup to develop a Countywide Groundwater Quality Plan. Provide assistance with implementing the developed Pilot Project for Nitrate reductions in groundwater.	<b>Work cooperatively with Rock County Health Department/ Planning and Development/UWEX and County Board – Master Plan to be complete in 2018-19.</b>
<b>Protect streambanks and water quality through CREP</b>	Enter into 10 - 15 year agreements and install cost-shared practices	<b>18 new agreements</b> <b>290.7 tons of sediment reduced (approved method used)</b> <b>335 lbs. of N reduced and 611 lbs. of P reduced ((approved method used).</b>
<b>Conservation practices installed to implement LWRM priorities</b>	Install conservation practices: <ul style="list-style-type: none"> <li>• Abandon 7 unused wells</li> <li>• Livestock crossings - 1</li> <li>• Livestock fencing (Stream Exclusions)</li> <li>• Streambank stabilization - 500'</li> </ul> Provide technical assistance including design preparation and construction oversight 500 hours of staff time	<b>6 well abandonments cost shared.</b> <b>8 additional well abandonments were discussed with landowners who completed abandonment without cost sharing.</b> <b>1 livestock crossing cost shared.</b> <b>Additional practices identified in cropland section.</b>  The following information was not calculated: # tons of sediment reduced (approved method used) # lbs. of N and P reduced (approved method used)
<b>Nutrient Management Workshops</b>	Conduct 6 Workshops for Nutrient Management plan development in 2018 to assist farmers with the development of their own NMP.	<b>7 Workshops were sponsored</b> <b>45 Landowners trained</b> <b>26,556 acres planned in</b> <b>Please note this information also appears in Cropland section of this report.</b>
<b>• PACE</b>		
<b>Purchase of Agricultural Conservation Easements (PACE)</b>	Purchase 2 easements per year. Monitor Existing PACE Easements. Monitor existing easement for compliance.	<b>2 Easements were purchased in 2018.</b> <b>13 Easements were monitored for compliance in 2018.</b> <b>1,691 acres in compliance with NR151 criteria.</b>

**ROCK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

• *ECSW Ordinance*

<b>Erosion Control and Storm Water Management</b>	Process and issue 10 permits for Rock County ECSW Ordinance.	24 permits for EC were issued 24 of site visits 10 to assure compliance with permits
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• *Non-Metallic Mining Ordinance*

<b>Non-Metallic Mining</b>	Evaluate and issue permits for the Rock County Non-Metallic Mining Reclamation Ordinance. 43 permits held	43 mine sites visited 2 compliance issues sited
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• *Farmland Preservation Program/NR151 Compliance*

<b>Farm inspections to implement state performance standards and prohibitions</b>	Conduct 80 farm inspections, and document compliance status for the FPP (70) and Non-FPP Participants (10) located in the following Priority Subwatersheds; Stevens Creek, Markem Creek, and the Yahara River	20 inspections performed. 17 of which are in compliance. 3 schedules of compliance developed. 61 new Certificates of Compliance issued, of which 14 new FPP participants, and 47 were updates of existing COCs. 10 Notices of Non-Compliance were issued in 2018 due under failure to certify clause.
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• *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	Administrator the Wildlife Damage Abatement and Claims Program	6 participants Provide assistance to USDA-APHIS-WS to implement the WDACP in Rock County
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• *Urban*

<b>MS4 Permits Compliance</b>	Evaluate and implement I&E strategy for MS4 permit	Fill out annual report
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• *Other*

<b>Clean Sweep Program</b>	Sponsor and hold three collections days in 2018	# event days held # pounds of various hazardous chemicals and mercury collected
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**ROCK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	N/A	Town Zoning
Manure storage construction and transfer systems	1	
Manure storage closure	2	
Livestock facility siting	0	Town Zoning
Nonmetallic/frac sand mining	43	
Stormwater and construction site erosion control	10	
Shoreland zoning	N/A	P&D
Wetlands and waterways (Ch. 30)	0	
Other	0	

Table 3: Planned inspections

<b>Inspections</b>	<b>Number of inspections planned</b>
Total Farm Inspections	80
For FPP	70
For NR 151	10
Animal waste ordinance	3
Livestock facility siting	0
Stormwater and construction site erosion control	10
Nonmetallic mining	44

Table 4: Planned outreach and education activities

<b>Activity</b>	<b>Number</b>
Tours	1
Field days	0
Trainings/workshops	6
School-age programs (camps, field days, classroom)	2
Newsletters	1
Social media posts	0
News release/story	0

**ROCK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
County Conservationist	2088	\$120,000
Senior Conservation Specialist	2088	\$91,000
Conservation Specialist II	4276	\$169,000
Conservationist I	2088	\$55,000
Administrative Assistant	1566	\$49,000
<b>Cost Sharing</b> (can be combined)		
Bonding	N/A	\$65,200
SEG	N/A	\$75,000
Yahara WINS	N/A	\$30,000
County Groundwater Pilot	N/A	\$30,000

**ROCK COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

<p style="text-align: center;">CATEGORY (goal and objective from LWRM plan can be added in each category)</p>	<p style="text-align: center;">PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)</p>	<p style="text-align: center;">PERFORMANCE MEASUREMENTS (examples in italics)</p>
<p>• <i>Cropland</i></p>		
<p><b>Cropland, soil health and/or nutrient management</b></p>	<p>15 Grassed Waterways. 3 WASCOBS. 1500’ of Terraces. 2 Grade Stabilization Structures. 400’ Lined Waterway.</p> <p>Enroll 10 new Farmland Preservation Program Participants.</p> <p>100 FPP Status Reviews. (Field and Nutrient Management reviews are included.)</p> <p>40-50 farmers totaling 20,000 acres are planned through the Nutrient Management Farmer Training program during seven (7) workshop events.</p> <p>Approximately 84,243 acres of nutrient management are planned by private consultants and submitted to the LCC for review and approval.</p> <p>Three HUC 12 targeted reach inventories to commence during 2019, hoping to complete in early 2020. The HUC 12’s are as follows: Little Turtle (14,591 ac.) Turtle Creek (23,478 ac) Spring Brook/Turtle Creek (17,440 ac.)</p>	<p><i>Type and units of practice(s) installed</i> <i>Amount of cost-share dollars spent</i></p> <p># of Grassed Waterways # of WASCOBS # of Lineal Feet of Terrace installed # of Grade Stabilization Structures # feet of lined waterway.</p> <p># of new FPP participants. # of completed FPP reviews. # of farmers and acres in compliance with FPP standards. # additional farmers and acres in Nutrient Management (non – FPP)</p> <p># of HUC 12 inventories completed.</p>

**ROCK COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

• *Livestock*

<p><b>Livestock</b></p>	<p>500 ft. of streambank improvement 2 animal waste system closures 1000 ft. of streambank fencing 5 well closures 2 livestock/equipment crossings. 1-2 new animal waste storage permits.</p> <p>Three HUC 12 targeted reach inventories to commence during 2019, hoping to complete in early 2020. The HUC 12's are as follows: Little Turtle (14,591 ac.) Turtle Creek (23,478 ac) Spring Brook/Turtle Creek (17,440 ac.)</p>	<p># feet of streambank protection # animal waste system closures # feet of streambank fencing # of livestock/equipment crossings.</p> <p># of animal waste storage permits</p> <p>Determine compliance of animal husbandry facilities in the three HUC 12 Watersheds (completed portions thereof).</p>
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• *Water Quality*

<p><b>Yahara WINS-Adaptive Management Program</b></p>	<p>Provide assistance to the Yahara WINS group to implement BMP's in the Yahara River and Badfish Creek subwatersheds.</p> <p>26.6 acres riparian buffer. 11.1 acres of annual cropland seeded to perennial forages. 321 lineal feet of Stream Bank Stabilization. 922 lbs. of Phosphorus reduced (SNAP Plus)</p>	<p># acres of Riparian Buffer. # acres of annual cropland seeded to perennial forages. # linear feet of Stream Bank Stabilization. # lbs. of Phosphorus reduced.</p>
<p><b>Rock River TMDL Implementation Strategy and Partnership Development</b></p>	<p>Develop a new partnership for pollution trading/adaptive management with the City of Beloit. Evaluate opportunities with new partners.</p>	<p>Work with City of Beloit Engineering Department towards the development of a MOU for pollution trading/adaptive management.</p>

**ROCK COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

<b>Protect and Improve Groundwater Quality</b>	Continue to work with the Rock County Groundwater Nitrate Workgroup. Implement a second Groundwater Nitrate Pilot Area in the heavy irrigated area south and east of Janesville. Monitor the established Groundwater Nitrate Pilot Area on the County Farm. Assist with the development of a Farmer Led Initiative. Apply for federal funding in late 2019: early 2020 to assist with implementation of BMPs in the one of three HUC 12 watersheds identified in Cropland section of this work plan.	Establishment or near establishment of Farmer Led Initiative Establishment of second pilot area Commence development of grant material for a NRCS NWQI or RCPPP grant for source/ surface water. Report to the County Groundwater Nitrate Workgroup on accomplishments.
<b>Conservation Reserve Enhancement Program</b>	Install 10 conservation buffers along streams Complete Status reviews of Conservation Easements in Rock County.	# tons of sediment (approved method) # lbs. of Nitrogen and Phos. (approved method)
<b>• PACE</b>		
<b>Purchase of Agriculture Conservation Easements.</b>	Purchase two easements per year. Monitor the existing fifteen easements for contract infractions and NR 151 requirements	# easements purchased # Easements monitored # easements and total acres in compliance with NR 151
<b>• ECSW Ordinances</b>		
<b>Erosion Control and Stormwater Management</b>	Process and issue 10 permits for Rock County ECSW Ordinance	24 Construction Site Erosion Control Permits 7 Storm Water Management Permits 10 site visits to review new Stormwater management practices.
<b>• Non-Metallic Mining Ordinance</b>		
<b>Non-Metallic Mining Ordinance</b>	Issue one new permit. Evaluate compliance on 43 existing permits through site visits.	Evaluate and issue one new permit. Evaluate compliance on 43 existing permits through site visits Number of plans revised
<b>• Wildlife</b>		
<b>Annual Tree Sales Program</b>	Sell 13-15 thousand trees for wildlife habitat improvement. Distribute 1 thousand trees for the Rock River Trail Association	# tree sold # tree distributed for Rock River Trails Assoc.
<b>Wildlife Damage Abatement and Claims Program</b>	Administer the Wisconsin Wildlife Damage Abatement and Claims Program. Contract USDA-WS for field work.	# of persons assisted # of claims submitted



**ROCK COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

• *Urban*

<b>MS4 Permit Compliance</b>	Evaluate and implement I&E strategy for MS4 permit.	Complete annual report and submit to DNR
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• *Other*

<b>Clean Sweep Program</b>	Sponsor and conduct two collection days.	# event days # LBS of various hazardous waste collected
<b>Land Water Resource Management Plan</b>	Update the Rock County Land and Water Resource Management Plan	Deliver Draft to DATCP in Sept. Make Corrects identified by DATCP Seek approval from State Land and Water Conservation Board in December 2019.
<b>Conduct Comprehensive Survey of all Short Span Bridges and Culverts in Rock County</b>	A Comprehensive survey of all culverts is necessary to connect hydrographs for all of the surface water sub watersheds.	Hire two student interns to conduct survey. Conduct survey over the course of 2019 summer. Enter all data into Rock County GIS system.

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	N/A	N/A
Manure storage construction and transfer systems	1	1
Manure storage closure	2	2
Livestock facility siting	N/A	N/A
Nonmetallic/frac sand mining	43	43
Stormwater and construction site erosion control	24 EC / 7SW	24 EC / 7SW
Shoreland zoning	N/A	N/A
Wetlands and waterways (Ch. 30)	N/A	N/A
Other		

**ROCK COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 3: Planned inspections

Inspections	Number of inspections planned
Total Farm Inspections	
For FPP	100
For NR 151	2
Animal waste ordinance	1
Livestock facility siting	N/A
Stormwater and construction site erosion control	31
Nonmetallic mining	43

Table 4: Planned outreach and education activities

Activity	Number
Tours	one
Field days	0
Trainings/workshops	6-10
School-age programs (camps, field days, classroom)	2
Newsletters	6
Social media posts	0
News release/story	0

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>County Conservationist</i>	2080	\$121,000
<i>Senior Conservation Specialist</i>	2080	\$91,000
<i>Conservation Specialist III</i>	2080	\$94,627
<i>Conservation Specialist II</i>	2080	\$75,474
<i>Conservationist I</i>	2080	\$55,500
<i>Administrative Assistant</i>	2080	\$62,000
	<b>TOTAL</b>	<b>\$499,601</b>
<b>Cost Sharing</b> (can be combined)		
<i>Bonding</i>	N/A	\$60,513
<i>SEG</i>	N/A	\$75,000
<i>Carry over bond</i>	N/A	\$35,428
<i>Carry over SEG</i>	N/A	\$36,597
	<b>TOTAL</b>	<b>\$207,538</b>

**CORRESPONDENCE/MEMORANDUM** \_\_\_\_\_ **State of Wisconsin**

**DATE:** November 19, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa K. Trumble, DATCP *Lisa K. Trumble*  
Resource Management Section,  
Bureau of Land and Water Resources

**SUBJECT:** Recommendation for Approval of the *Portage County Land and Water Resource Management Plan*

**Action Requested:** This is an action item. The department has determined that the *Portage County Land and Water Resource Management Plan* meets applicable statutory and rule requirements and requests that the LWCB make a recommendation regarding approval of the plan consistent with the Board's guidance.

**Summary:** The plan is written as a 10 year plan, and if approved, the plan would remain in effect through December 31, 2029, and would be subject to a five year review prior to December 31, 2024.

DATCP staff reviewed the plan using the checklist and finds that the plan complies with all the requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

To qualify for 10 year approval of its plan, Portage County must submit an annual work plan meeting DATCP requirements during each year of its 10 year plan approval.

Portage County held a public hearing on November 5, 2019, as part of its public input and review process. The Portage County Land Conservation Committee will present the LWRM plan for County Board approval after receiving a recommendation for approval from the LWCB.

**Materials Provided:**

- LWRM Plan Review Checklist
- Completed LWRM Plan Review form
- 2018 workplan with accomplishments and current 2019 workplan

**Presenters:** Steve Bradley, Portage County Conservationist  
Barry Jacowski, Land and Water Conservation Committee Chair



Wisconsin Dept. of Agriculture, Trade and Consumer Protection  
 Agricultural Resource Management Division  
 2811 Agriculture Drive, PO Box 8911  
 Madison WI 53708-8911  
 Phone: (608) 224-4608

## Land and Water Resource Management (LWRM)

### LWRM Plan Review Checklist

Wis. Stats. § 92.10 & Wis. Adm. Code § ATCP 50.12.

County: PORTAGE

Date Plan Submitted for Review: 8/23/2019

I. ADVISORY COMMITTEE	Yes	No	Page
1. Did the county convene a local advisory committee that included a broad spectrum of public interests and perspectives (such as affected landowners, partner organizations, government officials, educational institutions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2

II. PUBLIC PARTICIPATION AND COUNTY BOARD APPROVAL	Date(s)
1. Provide the dates that the local advisory committee met to discuss the development of the LWRM plan and the county plan of work	3/26/19 6/4/19
2. Provide the date the county held a public hearing on the LWRM plan <sup>1</sup>	11/5/19
3. Provide the date of county board approval of the plan, or the date the county board is expected to approve the plan after the LWCB makes its recommendation. <sup>2</sup>	12/17/19

III. RESOURCE ASSESSMENT AND WATER QUALITY OBJECTIVES	Yes	No	Page
1. Does the plan include the following information as part of a county-wide resource assessment:			
a. Soil erosion conditions in the county <sup>3</sup> , including:			
i. identification of areas within county that have high erosion rates or other soil erosion problems that merit action within the next 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25
b. Water quality conditions of watersheds in the county <sup>3</sup> , including:			
i. location of watershed areas, showing their geographic boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10
ii. identification of the causes and sources of the water quality impairments and pollutant sources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8-25

<sup>1</sup> Appropriate notice must be provided for the required public hearing. The public hearing notice serves to notify landowners and land users of the results of any determinations concerning soil erosion rates and nonpoint source water pollution, and provides an opportunity for landowners and land users input on the county's plan. Individual notice to landowners is required if the landowners are referenced directly in the LWRM plan. DATCP may request verification that appropriate notice was provided.

<sup>2</sup> The county board may approve the county LWRM plan after the department approves the plan. The plan approved by the county board must be the same plan approved by the department. If the department requires changes to a plan previously approved by the county board, the department's approval does not take effect until the county board approves the modified plan.

<sup>3</sup> Counties should support their analysis of soil and water conditions by referencing relevant land use and natural resource information, including the distribution of major soil types and surface topographic features, and land use categories and their distribution. Sec. ATCP 50.12(3)(b) requires that a county assemble relevant data, including relevant land use, natural resource, water quality and soil data.

- |   |                                     |                          |      |
|---|-------------------------------------|--------------------------|------|
| iii. identification of areas within the county that have water quality problems that merit action within the next 10 years. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8-25 |
|---|-------------------------------------|--------------------------|------|

2. Does the LWRM plan address objectives by including the following:

- |   |                                     |                          |       |
|---|-------------------------------------|--------------------------|-------|
| a. specific water quality objectives identified for each watershed based upon the resource assessment, if available | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 16-25 |
| b. pollutant load reduction targets for the watersheds, if available  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 16-25 |

Other comments:

IV. DNR CONSULTATION	Yes	No	Page
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- |  |                                     |                          |       |
|--|-------------------------------------|--------------------------|-------|
| 1. Did the county consult with DNR <sup>4</sup> to obtain water quality assessments, if available; to identify key water quality problem areas; to determine water quality objectives; and to identify pollutant load reduction targets, if any; and to review NR 151 implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11-25 |
|--|-------------------------------------|--------------------------|-------|

Other comments: \_\_\_\_\_

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V. PLAN IMPLEMENTATION	Yes	No	Page
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1. Does the LWRM plan include the following implementation components: :

- |   |                                     |                                     |       |
|---|-------------------------------------|-------------------------------------|-------|
| a. A voluntary implementation strategy to encourage adoption of farm conservation practices   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 28-29 |
| b. State and local regulations used to implement the plan   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | App D |
| c. Compliance procedures that apply for failure to implement the conservation practices in ATCP 50, ch. NR 151 and related local regulations                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 30    |
| d. Relevant conservation practices to achieve compliance with performance standards and prohibitions and to address identified water quality and erosion problems | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 28    |
| e. A system for meeting county responsibilities to monitor the compliance of participants in the farmland preservation program                                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | N/A   |

2. Does the LWRM plan (or accompanying work plan) estimate:

- |  |                                     |                          |    |
|--|-------------------------------------|--------------------------|----|
| a. expected costs of implementing the plan including cost-sharing for conservation practices needed to achieve plan objectives | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 31 |
|--|-------------------------------------|--------------------------|----|

<sup>4</sup> While requirements for DNR consultation may be satisfied by including relevant DNR representatives on the advisory committee, counties may also need to interact with DNR staff in central or regional offices to meet all of the consultation requirements. DNR may point counties to other resources to obtain information including consultants who can calculate pollutant load reduction targets.

b. the staff time needed to provide technical assistance and education and outreach to implement the plan.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31
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3. Does the LWRM plan describe a priority farm strategy designed to make reasonable progress in implementing state performance standards and conservation practices on farms appropriately classified as a priority	<input checked="" type="checkbox"/>	<input type="checkbox"/>	28
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Other comments: \_\_\_\_\_

VI. OUTREACH AND PARTNERING	Yes	No	Page
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1. Does the LWRM plan describe a strategy to provide information and education on soil and water resource management, conservation practices and available cost-share funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27
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2. Does the LWRM plan describe coordination activities with local, state and federal agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27
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Other comments: \_\_\_\_\_

VII. WORK PLANNING AND PROGRESS MONITORING	Yes	No	Page
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1. Does the county's most recent annual work plan <sup>5</sup> do both of the following:			
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a. Provide measurable performance benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
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b. Identify priorities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
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2. Does the LWRM plan describe a strategy and framework for monitoring county progress implementing its plan including methodology to track and measure progress in meeting performance benchmarks and plan objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29,30, 31
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Other comments:

VIII. EPA SECTION 319 CONSIDERATIONS
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1. IS THE COUNTY WORKING WITH DNR TO SEEK EPA APPROVAL OF THIS PLAN AS MEETING THE REQUIREMENTS OF A 9 KEY ELEMENT PLAN UNDER SECTION 319 OF THE CLEAN WATER ACT: May 2019 Mill Creek 9 Key element plan was approved			
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<sup>5</sup> Counties must submit annual work plan by no later than April 15<sup>th</sup> of every year to meet the requirement in s. ATCP 50.12(2)(i) for counties to have multi-year work plans.

**STAFF RECOMMENDATION**

Staff has reviewed the above-referenced county LWRM plan based on the criteria required in s. ATCP 50.12, Wis. Admin. Code, and s. 92.10, Stats., and has determined that the plan meets the criteria for DATCP approval of this plan. This checklist review is prepared to enable the LWCB to make recommendations regarding plan approval, and for DATCP to make its final decision regarding plan approval.

Staff Signature:     *Lisa K. Trumble*    

Date:     11/19/2019



Land and Water Conservation Board  
County Land and Water Resource Management Plan  
Review of LWRM Plan Revisions

County: Portage

**Implementation Covering Past Five Years and Future Directions**

Answer these four questions in writing (not to exceed 4 pages)

1. Provide a representative number of accomplishments within the last five years that can be directly traced to activities identified in multiple work plans. For each accomplishment, explain how the planning process helped the county achieve its outcome, including planning adjustments that helped better target county activities.

*The Central Wisconsin Windshed Partnership, which is administered by Portage County, installed 76.6 miles of windbreaks/living snow fences and provided maintenance on 233.6 miles. The planning process didn't provide any help in achieving this outcome since this project works with any landowner that is interested in installing a windbreak/living snow fence.*

*Cover crops have historically been popular with approximately 70,000 acres of potato and vegetable rotations having cover crops established annually. Cover crop and no-till acreage increased another 2,000 acres in the dairy/cash grain sector due to the establishment of two farmer led groups in the county. The planning process didn't provide any help in achieving this outcome.*

*Thirteen manure storage structures have been constructed. The planning process didn't provide any help in achieving this outcome.*

*Approximately, 20,000 acres of nutrient management plans are developed annually. The planning process didn't provide any help in achieving this outcome.*

*14,861 linear feet of fencing were installed to eliminate unrestricted livestock access to several creeks. The planning process didn't provide any help in achieving this outcome.*

*Approximately 29 non-metallic mine sites are inspected annually to maintain compliance with NR 135. The planning process didn't provide any help in achieving this outcome.*

*Assisted in the development and implementation of lake management plans for 30 lakes. The planning process helped to develop priority activities by engaging interested citizens.*

*Assist in the control of terrestrial and aquatic invasive species. A county Weed Commissioner was appointed in 2017. Approximately 80 locations of wild parsnip have been identified, with 50 receiving chemical control. The planning process helped to identify 10 lakes with aquatic invasive species. Chemical, biological and hand pulling methods are used for control, which hopefully leads to eradication.*



*Assisting with the Little Plover River Watershed Enhancement Project. Provided financial and technical assistance for two wetland restorations. The planning process helped to identify potential projects in the watershed.*

*Provide approximately 70 stormwater, shoreland zoning, and construction erosion control reviews annually. The planning process didn't provide any help in achieving this outcome.*

*Annually participate in the Wisconsin Land+Water Poster and Speaking Contests and NACD Conservation Stewardship week. The planning process didn't provide any help in achieving this outcome.*

2. Identify any areas where the county was unable to make desired progress in implementing activities identified in recent work plans. For each area identified, explain the work plan adjustments that were made to refocus planned activities. If no areas are identified, explain how the county was able to make progress in all the areas planned.

*We have been able to make desired progress in all planned areas due to the lack of turnover in staff, which creates consistent programming and maintains critical trusting relationships with landowners.*

3. Describe the county's approach to implementation of its priority farm strategy including outreach, farm inventories and making use of multiple funding sources. How has the county evaluated the effectiveness of its priority farm strategy and used this information to improve implementation of the agricultural performance standards and conservation practices on farms?

*Farm inventories to document compliance with NR 151 Performance Standards and Prohibitions will continue as outlined on page 27 of the LWRM Plan. Since the two senior staff have 47 years of combined experience in the county and are familiar with all the farms, they have determined that documentation of the performance standards will not improve water quality in the county. Because of this knowledge, documentation is not a high priority and efforts remain focused on water quality improvement projects and maintaining existing compliance with NR 151 Performance Standards and Prohibitions.*

4. Provide representative examples that show changes in direction in the county's LWRM plan and annual work plans, with specific examples provided showing adjustments in goals, objectives or planned activities.

*The LWRM Plan and annual work plan direction has changed very little, with wind erosion and water quality remaining the highest priority. We have refined our approach to implementation by working more with the two farmer led groups in the county. We have also increased our efforts to encourage more participation in our youth education programming.*

## Annual Work Plans

Attach both of the following:

- a. The most current annual work plan, prepared in the current format from DATCP, and addresses all required items such as needed funding and staff hours.
- b. The work plan for the previous year that includes a column that identifies the progress in implementing the planned activities for that year.

## Presentation Regarding County Resource Concerns

Prepare and present an 8-10 minute snapshot to the board regarding county resources and management issues. The county must prepare one of following as part of this brief presentation:

- a. A PowerPoint (showing what your county looks like, can include maps), or
- b. A hand out (2 page max)

## Guidance on Board Review Process

The LWCB's review supplements, but does not replace compliance with the DATCP checklist for LWRM plan approval. This encourages and supports honest presentations from the county. The county is strongly encouraged to have the LCC chair or committee member be a part of the presentation to the Board to contribute policy and other insights to the discussion. The goal of the review is not to fail counties. The board recognizes the dynamic nature of the planning process. Board members are interested in how counties tackle priorities over time and how they respond to changing conditions in pursuing their priorities. The board will evaluate a county's planning and implementation based on how well the county balances and prioritizes the following: agricultural performance standards, other state priorities (impaired waters, FPP checks), and local priorities. When needed, the Board will provide constructive support to counties to improve the quality of their planning.

## Land Conservation Committee Notification

The LCC was provided a completed copy of this form (including attachments) on: 11/5/19

Signature of Authorized Representative:  
(e.g. County Conservationist, LCC chair)

Steve Bradley Date: 11-11-19

Send completed form and attachments to:

[Lisa.Trumble@wi.gov](mailto:Lisa.Trumble@wi.gov)

**Portage County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics) <b>Accomplishments in red</b>
<ul style="list-style-type: none"> <li><i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	Cover Crops No-till WASCOB Windbreak	1000 acres <b>1207 acres</b> 500 acres <b>1455 acres</b> 2 <b>2 installed</b> 3 miles <b>2 miles installed</b>
<ul style="list-style-type: none"> <li><i>Livestock</i></li> </ul>		
<b>Livestock</b>	Manure Storage	4 <b>2 storage/transfer and 1 closure</b> <b>5951 ft of livestock fencing for rotational grazing</b>
<ul style="list-style-type: none"> <li><i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	Wetland Restoration	3 <b>1 installed</b> <b>1 well decommissioned</b>
<ul style="list-style-type: none"> <li><i>Wildlife</i></li> </ul>		
<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	Participate in Wildlife Damage Program	<b>completed</b>
<ul style="list-style-type: none"> <li><i>Urban</i></li> </ul>		
<b>Urban issues</b>	Stormwater and Construction Site Erosion Control	200 Plan Reviews <b>221 completed</b>
<ul style="list-style-type: none"> <li><i>Watershed</i></li> </ul>		
<b>Watershed strategies</b>	Nine Key Element Plans TMDL Participation Producer-led participation	2 <b>1 completed</b> Wisconsin River Basin & Fox/Wolf Basin <b>yes</b> Farmers of Mill Creek & Farmers for Tomorrow <b>yes</b>
<ul style="list-style-type: none"> <li><i>Other</i></li> </ul>		
<b>Other</b>	Non-metallic mining	30 Inspections <b>25 completed</b>

**Portage County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits		
Manure storage construction and transfer systems	4	4 <b>2 issued</b>
Manure storage closure	1	1 <b>1 issued</b>
Livestock facility siting		
Nonmetallic/frac sand mining	1	1 <b>none</b>
Stormwater and construction site erosion control	200	40 <b>55 issued</b>
Shoreland zoning		
Wetlands and waterways (Ch. 30)		
Other		

Table 3: Planned inspections

<b>Inspections</b>	<b>Number of inspections planned</b>
Total Farm Inspections	20
For FPP	1
For NR 151	10 <b>3 completed</b>
Animal waste ordinance	3 <b>3 completed</b>
Livestock facility siting	
Stormwater and construction site erosion control	40 <b>none</b>
Nonmetallic mining	30 <b>25 completed</b>

Table 4: Planned outreach and education activities

<b>Activity</b>	<b>Number</b>
Tours	1 <b>5 completed</b>
Field days	1 <b>3 completed</b>
Trainings/workshops	2 <b>completed</b>
School-age programs (camps, field days, classroom)	5 <b>completed</b>
Newsletters	
Social media posts	
News release/story	1 <b>none</b>

**Portage County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
5 Staff	10400	\$405,488
<b>Cost Sharing</b> (can be combined)		
Total		\$219,250

**PORTAGE COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li>• <i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>Practice installation</i>	<i>10,000 acres NMP installed and compliant with NR151 5 miles of windbreaks</i>
<ul style="list-style-type: none"> <li>• <i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>Practice installation</i>	<i>1 feedlot runoff containment compliant with NR151</i>
<ul style="list-style-type: none"> <li>• <i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>Practice installation</i>	<i>Cost share 2 well abandonment for \$6,000</i>
<ul style="list-style-type: none"> <li>• <i>Forestry</i></li> </ul>		
<b>Forestry</b>	<i>Practice installation</i>	<i>Type and units of practice(s) installed Amount of cost-share dollars spent # lbs of sediment reduced (using any approved method) # lbs of P reduced (using any approved method)</i>
<ul style="list-style-type: none"> <li>• <i>Invasive</i></li> </ul>		
<b>Invasive species</b>	<i>Control</i>	<i>50 sites treated for wild parsnip</i>
<ul style="list-style-type: none"> <li>• <i>Wildlife</i></li> </ul>		
<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>Wetland restoration</i>	<i>30 Acres of wetland restored</i>
<ul style="list-style-type: none"> <li>• <i>Urban</i></li> </ul>		
<b>Urban issues</b>	<i>Stormwater control Construction site erosion control Floodplain protection</i>	<i>Number of site visits Number of plans reviews Number of permits issued Number of compliance issues resolved</i>
<ul style="list-style-type: none"> <li>• <i>Watershed</i></li> </ul>		
<b>Watershed strategies</b>	<i>Producer-led</i>	<i>Partner with 2 farmer led groups Partner with Fox-Wolf demo farms network</i>

**PORTAGE COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

- *Other*

<b>Other</b>	<i>PL 566 Non-metallic and frac sand mining</i>	<i>Number of plans reviewed Number of inspections</i>
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Table 2: Planned activity related to permits and ordinances

Permits and Ordinances	Plans/application reviews anticipated	Permits anticipated to be issued
Feedlot permits		
Manure storage construction and transfer systems	3	3
Manure storage closure	3	3
Livestock facility siting		
Nonmetallic/frac sand mining	25	25
Stormwater and construction site erosion control	150	40
Shoreland zoning		
Wetlands and waterways (Ch. 30)		
Other		

Table 3: Planned inspections

Inspections	Number of inspections planned
Total Farm Inspections	25
For FPP	
For NR 151	25
Animal waste ordinance	5
Livestock facility siting	
Stormwater and construction site erosion control	25
Nonmetallic mining	25

**PORTAGE COUNTY 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 4: Planned outreach and education activities

Activity	Number
Tours	4
Field days	4
Trainings/workshops	
School-age programs (camps, field days, classroom)	10
Newsletters	
Social media posts	
News release/story	

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>All</i>	10400	\$407592
<b>Cost Sharing</b> (can be combined)		
<i>Ex. Bonding</i>	<i>N/A</i>	<i>\$66750</i>



CORRESPONDENCE/MEMORANDUM \_\_\_\_\_ State of Wisconsin

**DATE:** November 21, 2019  
**TO:** Land and Water Conservation Board Members and Advisors  
**FROM:** Susan Mockert, DATCP *Susan Mockert*  
Bureau of Land and Water Resources  
**SUBJECT:** Introduction to Innovative Conservation Funding Discussion

**Action Requested:** This is not an action item.

**Summary:** Upon request from the chair of the Land and Water Conservation Board, we began research into innovative conservation programming throughout the United States. We have identified innovative programs as well as innovative funding methods and sources. In many cases, these go hand in hand. A report published by the Environmental Defense Fund and the National State Departments of Agriculture in September 2010 highlights unique state funding sources and financing tools. We also searched for state conservation programs and legislation that would introduce new programs or financing methods. Below is a select group of the state programs and financing plans. This is not an exhaustive list of all conservation programs, but only those that make the mark of Innovative.

**Materials Provided:**

- Innovative State-Led Efforts to Finance Agricultural Conservation
- Highlights of Innovative State Conservation Funding

**Presenters:** Susan Mockert, DATCP

## Highlights of Innovative State-Led Conservation Funding

Upon request of the Land and Water Conservation Board (LWCB), DATCP researched innovative conservation programming and funding methods used by other states. We found several innovative approaches in a [report](#) published by the Environmental Defense Fund and the National State Departments of Agriculture in September 2019 that highlighted unique state funding sources and financing tools. We also searched state websites for conservation programs and legislation that would introduce new programs or financing methods to the conversation. While not an exhaustive list of all conservation programs, the list below includes a select group of state programs and financing plans that have been implemented with varying success. States the LWCB specifically requested information about are highlighted in yellow.

### California

- Healthy Soils Program, Sustainable Agricultural Lands Conservation Program funded via Greenhouse Gas Reduction Fund / California Climate Investments. In 2017, a total of \$7.5 million was made available (NASDA Report, September 2019).  
<https://www.cdfa.ca.gov/oefi/healthysouils/docs/2019-HSPListeningSessionsPresentation.pdf>
- Dairy Digester Research & Development Program (2015) funded through California Climate Investments for methane emissions reductions from dairy and livestock operations.  
[\(https://www.cdfa.ca.gov/oefi/ddrdp/\)](https://www.cdfa.ca.gov/oefi/ddrdp/)

### Colorado

- Conservation Easement Tax Credit Program. This tax credit program provided \$8 million in 2016 for agricultural land preservation. Credit refunds are cash payments from the state to landowners who cannot use the full amount of their tax credit due because of lesser tax liability. Colorado provides partial refunds in years when the government revenue exceeds the limit written in the Taxpayer's Bill of Rights (NASDA Report, September 2019).  
<https://www.colorado.gov/pacific/dora/division-conservation-about-tax-credit-certificates>

### Florida

- 2014 constitutional amendment to establish a Land Acquisition Trust Fund. Conservation funding is from 1/3 of the revenue from an existing real estate documentary stamp tax revenue. Article in *Tallahassee Democrat* November 4, 2019 cites the executive director of the Florida Conservation Voters as claiming "one third of that money is going to operational and administrative costs." \$6 million a year has been used for IT costs. Proposed legislation would require \$100 million a year to be put in Florida Forever Trust Fund to be spent on land acquisition.
- Producer-led Florida Climate Smart Agricultural Initiative is considering carbon farming – farmer sign contracts to not touch open space or woodlands on their property for a certain amount of time (State website). <https://dos.myflorida.com/historical/archaeology/public-lands/program-history/> ; <https://www.miamiherald.com/news/local/environment/article234030662.html>

## Georgia

- Georgia Outdoor Stewardship Act dedicates 40% of the current sales tax on outdoor recreation equipment to land conservation stewardship and acquisition. Estimated \$20 million a year in additional funding. Effective 7/1/2019. <https://gadnr.org/gosp>
- Transferrable conservation tax credit program – exchange of tax credits for a conservation easement or a portion of the cost of conservation BMPs and the freedom of landowners to sell their tax credits to other taxpayers. Cost of the tax credit program is foregone tax revenue given out to landowners as tax credits. Landowners can carry forward credits for 10 years. Tax credits can only be sold once. Conservation Tax Credit Program imposes state-defined BMPs on agricultural easements. 25% of fair market value of easement will be given in tax credits. Tax credits expire December 31, 2021. <https://gadnr.org/GCTCP>

## Iowa

- Natural Resources and Outdoor Recreation Trust Fund (to be funded through 3/8 of one percent sales tax; remains unfunded since passed in 2010). <https://www.iowadnr.gov/about-dnr/grants-other-funding/natural-resources-rec-trust>
- Cover Crop/Crop Insurance Demonstration Project. 3 year pilot project started in 2017. Farmers receive \$5/year/acre rebate on crop insurance if they implement cover crops. Farmers must follow state guidelines in seeding dates, rates and mixes. Acres enrolled cannot be part of federal conservation funding programs (NASDA Report, September 2019). <https://apply.cleanwateriowa.org/>

## Kentucky

- Equipment Revolving Loan Program. The Kentucky Division of Conservation administers the Equipment Revolving Loan Program since 1948. During this time, \$62 million has been loaned to more than 2,000 individuals and conservation districts for the purpose of purchasing specialized equipment. Equipment eligible for loans through the program include dozers, backhoes, no-till drills, precision applicators for agriculture chemicals and other equipment suited for conservation work (NASDA, September 2019). <https://eec.ky.gov/Natural-Resources/Conservation/Pages/Equipment-Revolving-Loan-Program.aspx>

## Michigan

- Agriculture Preservation Fund gives grants to local governments for the purchase of agricultural conservation easements. Funds are from the payback of property tax credit benefits when Farmland Development Right Agreements are terminated and proceeds from the Agricultural Recapture Act (fine that is applied if land is transferred from agricultural to non-agricultural use and the tax cap was not removed at the time of the transfer). [https://www.michigan.gov/mdard/0,4610,7-125-1599\\_2558-11788--,00.html](https://www.michigan.gov/mdard/0,4610,7-125-1599_2558-11788--,00.html)

## Minnesota

- 2008 Legacy Amendment increased state sale tax by 3/8 of 1% from 7/1/2001 – 2034.
- Clean Water Fund – AgBMP loan program funded through the Legacy Amendment. 2018-2019 received \$16.66 million to Department of Agriculture; legislature appropriated \$21.72 of Clean Water Funds for Department of Agriculture in 2020-2021.
- Examples of programs supported through these funds: Nitrate in Groundwater; Irrigation Water Quality Protection; Technical Assistance and On-Farm Demos; Ag Research and Evaluation; Forever Green (UMN program to develop new high value commodity crops); Pesticide Monitoring & Assessment; Minnesota Water Research Digital Library; AgBMP Loan Program; Manure Application Education. <https://www.mda.state.mn.us/business-dev-loans-grants/funding-allocation>

## Missouri

- Conservation Commission Fund: fishing/hunting permits; commercial permits, nonresident permits, conservation sales tax, federal assistance include the Wildlife and Sport fish Restoration program and US Forest Service. 60.9% conservation sales tax (1/8 of 1 cent sales tax on taxable items). 17.3% permit revenues. 15.8% federal reimbursements. 3.8% sales and rentals. 1.3% all other sources. <https://www.lindenwood.edu/files/resources/confluence-spring-summer-2015-scott.pdf>
- Parks, Soils and Water Sales Tax Program – provides up to 75% of the cost of conservation programs. In 2018 state spent \$40 million generated by the sales tax on projects that helped farmers adopt conservation practices. 1/10 of 1% sales tax rate passed in 1984.

## New York

- Environmental Protection Fund is a dedicated fund established by 1994 legislation and financed primarily through a dedicated portion of real estate transfer taxes. Original appropriation (1994-1995) \$31 million; current appropriation is over \$150 million annually. As a trust fund created in state law, these funds must be kept separate from other state funds. Funds are administered by 5 state agencies, including Department of Agriculture and Markets.
- Funds the Agricultural Non-Point Source Pollution Abatement and Control
- <https://www.dec.ny.gov/about/92815.html>

## Ohio

- H2Ohio Water Fund - \$172 million for water quality improvement projects 2020-2021. In addition, after the first two years, half of any surplus in the State's general revenue fund will be allocated to H2Ohio projects.
- House Bill 7 – create a perpetual trust to fund H2Ohio. Creates H2Ohio Advisory Council to disburse up to \$100 million / year in loans and grants. Creates H2Ohio Endowment Board to advise in managing the trust, including the selling of bonds (bonds would not be general

obligation, but revenue bonds backed by loan repayment to the H2Ohio trust fund). As of October 2019, this bill is in the Senate Finance Committee.

- <https://www.nature.org/en-us/about-us/where-we-work/united-states/ohio/stories-in-ohio/h2ohio-water-fund/>
- <https://www.legislature.ohio.gov/legislation/legislation-summary?id=GA133-HB-7>

## **Pennsylvania**

- Resource Enhancement and Protection Program (tax credit program). Program averages \$13 million per year. Carryforward period of 15 years. Landowners can sell tax credits for one year after reconceiving the credits. Businesses (often banks and local lending institutions) can sponsor BMP implementation. An agreement is signed between businesses and landowner that certifies the land operator will comply with REAP requirements. Business finance the practices in exchange for tax credits received through the program (NASDA Report, September 2019). [https://www.agriculture.pa.gov/Plants\\_Land\\_Water/StateConservationCommission/REAP/Pages/default.aspx](https://www.agriculture.pa.gov/Plants_Land_Water/StateConservationCommission/REAP/Pages/default.aspx)

## **South Carolina**

- Land Conservation or Environmental Credits: Tax credits for those who make a donation of land for conservation. Tax credit equal to 25% of the fair market value of the conservation gift with a limit of \$52,000 per year and \$250/acre. Carry forward is indefinite until full tax credit is claimed. Tax credits can also be bought and sold on the South Carolina Conservation Credit Exchange (NASDA Report, September 2019 and <https://www.spartanburgconservation.org/tax-incentives>).

## **Tennessee**

- Agricultural Resources Conservation Fund: Recordation tax on the transfer of real property from which the Ag Nonpoint Fund receives 1.5 cents per \$100 of property value. Additional funds come from appropriation. FY 2018 revenues \$7,282,701. Grants are given to all counties for BMP installation, information and education projects, purchase of specialty equipment for conservation (state website: <https://www.tn.gov/content/dam/tn/agriculture/documents/landwaterstewardship/FY2019%20Biennial%20Report%20to%20General%20Assembly%20Final%20PDF.pdf>).

## **Virginia**

- Agricultural BMP Tax Credit Program (1998). Land Preservation Tax Credit Program requires a written conservation plan in the contract that includes agricultural BMPs. Producers with an approved conservation plan may take a credit against state income tax of 25% of the first \$100,000 of actual out-of-pocket expenses for agricultural BMPs. Total may not exceed \$17,500. As of 2011, unusable tax credit will be refunded to the taxpayer by the state (NASDA Report, September 2019). <https://www.dcr.virginia.gov/soil-and-water/costshar3>

**CORRESPONDENCE/MEMORANDUM** \_\_\_\_\_ **State of Wisconsin**

**DATE:** November 21, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa K. Trumble, DATCP *Lisa K. Trumble*  
Resource Management Section,  
Bureau of Land and Water Resources

**SUBJECT:** Recommendation for Approval of the *Bayfield County Land and Water Resource Management Plan*

**Action Requested:** This is an action item. The department has determined that the *Bayfield County Land and Water Resource Management Plan* meets applicable statutory and rule requirements and requests that the LWCB make a recommendation regarding approval of the plan consistent with the Board's guidance.

**Summary:** The plan is written as a 10 year plan, and if approved, the plan would remain in effect through December 31, 2029, and would be subject to a five year review prior to December 31, 2024.

DATCP staff reviewed the plan using the checklist and finds that the plan complies with all the requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

To qualify for 10 year approval of its plan, Bayfield County must submit an annual work plan meeting DATCP requirements during each year of its 10 year plan approval.

Bayfield County held a public hearing on November 8, 2019, as part of its public input and review process. The Bayfield County Land Conservation Committee will present the LWRM plan for County Board approval after receiving a recommendation for approval from the LWCB.

**Materials Provided:**

- LWRM Plan Review Checklist
- Completed LWRM Plan Review form
- 2018 workplan with accomplishments and current 2019 workplan

**Presenters:** Ben Dufford, Director, Bayfield County LWCD  
Fred Strand, Land Conservation Committee Chair



Wisconsin Dept. of Agriculture, Trade and Consumer Protection  
 Agricultural Resource Management Division  
 2811 Agriculture Drive, PO Box 8911  
 Madison WI 53708-8911  
 Phone: (608) 224-4608

## Land and Water Resource Management (LWRM)

### LWRM Plan Review Checklist

Wis. Stats. § 92.10 & Wis. Adm. Code § ATCP 50.12.

County: BAYFIELD

Date Plan Submitted for Review: 10/29/2019

I. ADVISORY COMMITTEE	Yes	No	Page
1. Did the county convene a local advisory committee that included a broad spectrum of public interests and perspectives (such as affected landowners, partner organizations, government officials, educational institutions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ii, v
II. PUBLIC PARTICIPATION AND COUNTY BOARD APPROVAL	Date(s)		
1. Provide the dates that the local advisory committee met to discuss the development of the LWRM plan and the county plan of work	5/17/19 8/23/19		
2. Provide the date the county held a public hearing on the LWRM plan <sup>1</sup>	11/8/19		
3. Provide the date of county board approval of the plan, or the date the county board is expected to approve the plan after the LWCB makes its recommendation. <sup>2</sup>	1/28/2020		
III. RESOURCE ASSESSMENT AND WATER QUALITY OBJECTIVES	Yes	No	Page
1. Does the plan include the following information as part of a county-wide resource assessment:			
a. Soil erosion conditions in the county <sup>3</sup> , including:			
i. identification of areas within county that have high erosion rates or other soil erosion problems that merit action within the next 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7-9, 19
b. Water quality conditions of watersheds in the county <sup>3</sup> , including:			
i. location of watershed areas, showing their geographic boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	67
ii. identification of the causes and sources of the water quality impairments and pollutant sources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10-12, 21

<sup>1</sup> Appropriate notice must be provided for the required public hearing. The public hearing notice serves to notify landowners and land users of the results of any determinations concerning soil erosion rates and nonpoint source water pollution, and provides an opportunity for landowners and land users input on the county's plan. Individual notice to landowners is required if the landowners are referenced directly in the LWRM plan. DATCP may request verification that appropriate notice was provided.

<sup>2</sup> The county board may approve the county LWRM plan after the department approves the plan. The plan approved by the county board must be the same plan approved by the department. If the department requires changes to a plan previously approved by the county board, the department's approval does not take effect until the county board approves the modified plan.

<sup>3</sup> Counties should support their analysis of soil and water conditions by referencing relevant land use and natural resource information, including the distribution of major soil types and surface topographic features, and land use categories and their distribution. Sec. ATCP 50.12(3)(b) requires that a county assemble relevant data, including relevant land use, natural resource, water quality and soil data.

- |   |                                     |                          |          |
|---|-------------------------------------|--------------------------|----------|
| iii. identification of areas within the county that have water quality problems that merit action within the next 10 years. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9-13, 16 |
|---|-------------------------------------|--------------------------|----------|

2. Does the LWRM plan address objectives by including the following:

- |   |                                     |                          |      |
|---|-------------------------------------|--------------------------|------|
| a. specific water quality objectives identified for each watershed based upon the resource assessment, if available | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9-13 |
| b. pollutant load reduction targets for the watersheds, if available  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11   |

Other comments: Marengo River watershed

**IV. DNR CONSULTATION**

**Yes      No      Page**

- |  |                                     |                          |    |
|--|-------------------------------------|--------------------------|----|
| 1. Did the county consult with DNR <sup>4</sup> to obtain water quality assessments, if available; to identify key water quality problem areas; to determine water quality objectives; and to identify pollutant load reduction targets, if any; and to review NR 151 implementation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | ii |
|--|-------------------------------------|--------------------------|----|

Other comments: \_\_\_\_\_

**V. PLAN IMPLEMENTATION**

**Yes      No      Page**

- |   |                                     |                          |           |
|---|-------------------------------------|--------------------------|-----------|
| 1. Does the LWRM plan include the following implementation components: :  |                                     |                          |           |
| a. A voluntary implementation strategy to encourage adoption of farm conservation practices   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 33-41     |
| b. State and local regulations used to implement the plan   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 25-31     |
| c. Compliance procedures that apply for failure to implement the conservation practices in ATCP 50, ch. NR 151 and related local regulations                      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 33,39-40  |
| d. Relevant conservation practices to achieve compliance with performance standards and prohibitions and to address identified water quality and erosion problems | <input checked="" type="checkbox"/> | <input type="checkbox"/> | App B     |
| e. A system for meeting county responsibilities to monitor the compliance of participants in the farmland preservation program                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 26,27, 35 |
| 2. Does the LWRM plan (or accompanying work plan) estimate:   |                                     |                          |           |
| a. expected costs of implementing the plan including cost-sharing for conservation practices needed to achieve plan objectives                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 55-61     |
| b. the staff time needed to provide technical assistance and education and outreach to implement the plan.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 55-61     |

<sup>4</sup> While requirements for DNR consultation may be satisfied by including relevant DNR representatives on the advisory committee, counties may also need to interact with DNR staff in central or regional offices to meet all of the consultation requirements. DNR may point counties to other resources to obtain information including consultants who can calculate pollutant load reduction targets.



- |   |                                     |                          |       |
|---|-------------------------------------|--------------------------|-------|
| 3. Does the LWRM plan describe a priority farm strategy designed to make reasonable progress in implementing state performance standards and conservation practices on farms appropriately classified as a priority | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 33-41 |
|---|-------------------------------------|--------------------------|-------|

Other comments: \_\_\_\_\_

VI. OUTREACH AND PARTNERING	Yes	No	Page
1. Does the LWRM plan describe a strategy to provide information and education on soil and water resource management, conservation practices and available cost-share funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	34-35 46-47
2. Does the LWRM plan describe coordination activities with local, state and federal agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3, 49-52

Other comments: \_\_\_\_\_

VII. WORK PLANNING AND PROGRESS MONITORING	Yes	No	Page
1. Does the county's most recent annual work plan <sup>5</sup> do both of the following:			
a. Provide measurable performance benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
b. Identify priorities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
2. Does the LWRM plan describe a strategy and framework for monitoring county progress implementing its plan including methodology to track and measure progress in meeting performance benchmarks and plan objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	40,41 52-55

Other comments: \_\_\_\_\_

**VIII. EPA SECTION 319 CONSIDERATIONS**

1. IS THE COUNTY WORKING WITH DNR TO SEEK EPA APPROVAL OF THIS PLAN AS MEETING THE REQUIREMENTS OF A 9 KEY ELEMENT PLAN UNDER SECTION 319 OF THE CLEAN WATER ACT: 2013 Marengo River project was approved

**STAFF RECOMMENDATION**

Staff has reviewed the above-referenced county LWRM plan based on the criteria required in s. ATCP 50.12, Wis. Admin. Code, and s. 92.10, Stats., and has determined that the plan meets the criteria for DATCP approval of this plan. This checklist review is prepared to enable the LWCB to make recommendations regarding plan approval, and for DATCP to make its final decision regarding plan approval.

Staff Signature:                     *Lisa K. Trumble*                     Date:           11/20/2019          

<sup>5</sup> Counties must submit annual work plan by no later than April 15<sup>th</sup> of every year to meet the requirement in s. ATCP 50.12(2)(i) for counties to have multi-year work plans.



Land and Water Conservation Board  
County Land and Water Resource Management Plan  
Review of LWRM Plan Revisions

County: BAYFIELD COUNTY

**Implementation Covering Past Five Years and Future Directions**

Answer these four questions in writing (not to exceed 4 pages)

1. Provide a representative number of accomplishments within the last five years that can be directly traced to activities identified in multiple work plans. For each accomplishment, explain how the planning process helped the county achieve its outcome, including planning adjustments that helped better target county activities.

*Goal 1 – Activities – Technical Assistance for all projects and practices according to 2015-2019 Workplan Update: 30 shoreline / mitigation restorations; 5-10 streambank / bluff stabilization projects; 5 culvert crossings sized for 100YR storm; 30 acres wetlands restored on 5+ sites; 20 ag practices on 10 farms ; 1,000 new SEG acres annually over 5 YR; 5 coastal erosion tech asst site visits; 10 NR 135 reviews; 5 well closures. Accomplishments - 36 Shoreline / mitigation restorations; 6 streambank / bluff stab. Projects; 50+ culvert crossings sized; 32 acres of wetland restorations; 63 ag practices on 20 farms; 2,222 SEG acres; 46 coastal erosion site visits; 14 NR135 plans; 16 well closures.*

*Planning – We significantly increased out farm practices, and number of farmers we work with, and want to maintain / increase that in the future. For all project planning, we will take into account more intense weather patterns in the design phases. We plan to reach across county lines, for more regional or watershed-scale based projects and resource management priorities in the future.*

*Goal 2 – Activities – Maintain current and seek new grant funding for positions, operate boat wash unit, CBCW staff at landings*

*Accomplishments – 6<sup>th</sup> Successful AIS grant for \$95K for 2019-2021; secured over \$50k annually for terrestrial invasive program, now full time. Treated 200+ acres of invasives' annually, Avg 4 CBCW staff annually at landings, several hundred boats washed / hundreds of boater contacts annually.*

*Planning – Our AIS program now has incorporated surface water technical work as part of the program, and there is now more terrestrial invasive funding than all previous years. As funding for the coordinators remains stable, we plan on increasing acres treated, and increased outreach in both programs.*

*Goal 3 - Activities – Wetland Restorations (50 Acres), USFWS partnership on projects – culverts and nest boxes, Lake Superior partnership projects with other agencies.*

*Accomplishments – 32 Acres wetland restoration, 60 nest boxes in 2 yrs, (funding ended); sized 20+ culverts for grant applications – fish passage / sedimentation issues; completed massive bluff restoration with partner agencies - \$250k; fish passage bridge install with partners - \$235k; re-sized multiple culvert sites from 2016 and 2018 floods with local municipalities to acquire FEMA, WEM, hazard mitigation funds.*

*Planning – 2010-15 wetland restoration / habitat projects had a lot more funding from multiple agencies, but most of those funds are gone now, and there has been more of a shift and more interest by producers for ag projects, so that is where the last 5-year focus has been. Having our first ever CAFO app in the county also shifted thousands of hours of staff time during 2015-17, and the floods of 2016 and 2018 did the same. In the future, there are now county CAFO regulations due to new county ordinances. The floods taught us that,*



when and where possible, we need to account for more substantial, intense precipitation events when planning for projects into the future.

Goal 4 – *Activities* – Promote website and social media; online forms on website; staff technology training; individual landowner education and assistance; county fair presence; youth camp funding; field tours with board; Educational display presence; Drummond LEEP program; Staff attend trainings; maintain Lake Superior Collaborative presence; Partner with USFWS cooperative agreements

*Accomplishments* – Monthly updates to county site, weekly updates on social media for invasive program / CWD prevention program; Online forms now available on web; quarterly IT trainings for staff; multiple outreach meetings – larger were 110 in attendance, 300 in another, many smaller meetings / presentations annually; booth annually at fair; youth camp \$ were eliminated; annual tour with board and 11 surrounding counties; Booth / display presence at Fair, AIS ID days, free fish weekend, parades and festivals annually; 4 staff annually at Drummond LEEP days, annual poster / speaking contest; attend annual partnership meetings to ID projects, funding sources, regional effort with Lake Superior Collaborative.

*Planning* – Education and outreach for ALL department programs always has been a priority for the LCC, and Bayfield County, and that will not change into the future. We will continue to increase our education and outreach as long as staff funds remain. We will also remain a strong partner with the Lake Superior Collaborative to ID projects, funding sources, and utilize the Marengo River Watershed Action Plan (9 key element plan) to leverage sediment reduction funds when possible.

Goal 5 – *Activities* - Pursue / seek out funding sources for projects and staff; maintain funding for Office Mgr., AIS, and TIS Coordinator Positions; Invasive Control; Mitigation / NR135 / rip rap / stormwater / engineering plan reviews; Staff Training; Increase funds for training.

*Accomplishments* – Increase in county funded staff (\$65k annually since last plan revision) and 4 additional grants = 5 full time staff, avg of 5 interns annually for invasive / CWD programs; Both Coordinators and Office Manager full time status; \$1-4k fees collected annually; Attend multiple staff trainings annually wide variety of topics; training budget remains stable annually, no change (+/-)

2. Identify any areas where the county was unable to make desired progress in implementing activities identified in recent work plans. For each area identified, explain the work plan adjustments that were made to refocus planned activities. If no areas are identified, explain how the county was able to make progress in all the areas planned.

Shoreline Restorations – of the 36 combined shoreline mitigations and restorations listed above, only 3 were voluntary restorations in the last 5 years. The minimum we projected would be 5, and we were hoping for double that. We get several inquiries per year for shoreline help, especially coastal / bluff sites, but few want to / or can afford pay 50% for a full restoration project. The county has invested in a permanent half-time surface water position – part of that position is working on more restoration projects; and seeking out / obtaining the funds to do so. Bluff / coastal erosion project requests, streambanks, and many more agricultural projects have taken the place of wetland and shorelines regarding workload and interest / priority.

Improve Fish Habitat – Similar to other habitat projects, we only helped with one in-stream log install habitat project. Not much interest, and priorities and dollars have shifted away from these.

Farmland Preservation – We have had no new sign ups in either of our 2 AEA's. The tax credit doesn't seem to appeal to most, and our last producer claiming the credit just expired, and can't renew because he is not in an AEA. Our future approach is going to include UWEX and develop some outreach with the producers in the 2 AEAs to try and generate some interest.

Regarding staffing; since our 5-year plan update, we have increased our Office Manager to full time, our terrestrial invasive coordinator (NCWMA) to full time, and added a half time surface water technician, the other half time working as the AIS coordinator. This has helped significantly with plan implementation. During the hog CAFO issue in 2015-17, and 2 massive flood events (2016-18), and an intense CWD study year (2019), the department still increased NMP acres and overall projects and practices in recent years. I see this trend continuing assuming we maintain current staff levels.



3. Describe the county's approach to implementation of its priority farm strategy including outreach, farm inventories and making use of multiple funding sources. How has the county evaluated the effectiveness of its priority farm strategy and used this information to improve implementation of the agricultural performance standards and conservation practices on farms?

Bayfield County has a GIS inventory of all farm operations in the county. They are categorized by producer type; dairy, beef, fruit, etc. The LWCD partners with other agencies and often multiple funding sources; DATCP-SWRM, NRCS-EQIP, GLRI, and the producer.

High Priority Areas: 1) Fish Creek Watershed, primarily South Fish Creek since it has the most farms in the county, which was recently added to the DNRs impaired waters list due to exceeding phosphorus standards. North Fish Creek has also been listed as a priority because of excessive erosion rates and sedimentation contribution to Chequamegon Bay. 2) Farm operations in close proximity to lakes, rivers, streams, and wetlands. 3) Farm operations requesting cost-share funds to meet NR 151 standards, come into compliance with the county manure storage ordinance, or to meet Farmland Preservation requirements. 4) Operations / agricultural lands within the Marengo River Watershed (9-key element plan)

Moderate Priority Areas: 1) Operations in watersheds where impairment may exist, however lacks a management plan or official 'impaired' listing. 2) Operations that request assistance / cost-share requests on practices that will improve runoff, sedimentation, overall cleaner operations on the farm.

Pending available cost-sharing / funding through DATCP, NRCS, and others, the LWCD will continue to work with all operations in the county to gain compliance. This will include on the farm visits, and ongoing group workshops with farmers in conjunction with UWEX, not only on NR 151 standards, but also newer ideas on how to diversify the farm to generate income. Beginning discussions of a new cooperative and / or forage council across county lines is already in progress.

4. Provide representative examples that show changes in direction in the county's LWRM plan and annual work plans, with specific examples provided showing adjustments in goals, objectives or planned activities.

Goal 1 – Activities eliminated - shoreland restoration property tax rebate; Promote CREP program; Community stormwater projects; develop a compliance program for shoreline and mitigation projects;

Goal 1 – Activities added – New surface water position to implement plan priorities; 9-key element plan watershed projects

Goal 2 – Activities eliminated – None. Added – Drone technology for mapping / planning

Goal 3 – Activities eliminated – Nest box construction;

Goal 3 – Objective eliminated – Coarse Woody Habitat installations with partner agencies

Goal 3 - Objective Eliminated – Enhance forest management to improve habitat / water quality on private land; Activities eliminated – Advocate forestry BMP's for all logging activities; tech assistance and cost sharing for forestry BMPs, tech asst and cost sharing for tree planting; annual tree and shrub sale

Goal 3 – Activities added – inventory bank failures / slumps and seek \$ to repair for sediment reduction into Cheq Bay / Lake Superior; Assist USFWS with barrier prioritization and jointly fund to fix barriers;

Goal 3 – Objective added – Enhance grassland management to improve habitat / protect water quality

Activities added – tech and cost sharing for grazing and or grassland management; develop I and E materials for pollinator and grassland bird habitat; added tree / shrub sale here with surrounding counties; work with UWEX ag agents on new forage council for Lake Superior region.

Goal 4 – Activities eliminated – create a web-based guide showing projects open to the public; support youth camp scholarships; provide special workshops where most efficient to explain LWCD programs

Goal 4 – Activities added – social media technology, drone usage for bluff recession rates, AIS, NR-135, annual field tour with 11 NW counties / co-board; Lk Sup. Collaborative partnership; Drummond LEEP

Goal 4 – Objective eliminated – Enhance LWCD staff proficiency in individual and small group comm.; Activities eliminated - Training in group facilitation, effective comm.; cross-train to improve general knowledge of all areas of work covered by the LWCD. Support implementation of town comp plans.

Goal 5 – Goal, Objectives, Activities all completely changed. See new plan (not enough space here)



### Annual Work Plans

Attach both of the following:

- a. The most current annual work plan, prepared in the current format from DATCP, and addresses all required items such as needed funding and staff hours.
- b. The work plan for the previous year that includes a column that identifies the progress in implementing the planned activities for that year.

### Presentation Regarding County Resource Concerns

Prepare and present an 8-10 minute snapshot to the board regarding county resources and management issues. The county must prepare one of following as part of this brief presentation:

- a. A PowerPoint (showing what your county looks like, can include maps), or
- b. A hand out (2 page max)

### Guidance on Board Review Process

The LWCB's review supplements, but does not replace compliance with the DATCP checklist for LWRM plan approval. This encourages and supports honest presentations from the county. The county is strongly encouraged to have the LCC chair or committee member be a part of the presentation to the Board to contribute policy and other insights to the discussion. The goal of the review is not to fail counties. The board recognizes the dynamic nature of the planning process. Board members are interested in how counties tackle priorities over time and how they respond to changing conditions in pursuing their priorities. The board will evaluate a county's planning and implementation based on how well the county balances and prioritizes the following: agricultural performance standards, other state priorities (impaired waters, FPP checks), and local priorities. When needed, the Board will provide constructive support to counties to improve the quality of their planning.

### Land Conservation Committee Notification

The LCC was provided a completed copy of this form (including attachments) on: **November 8<sup>th</sup>, 2019**

**Signature of Authorized Representative:**  
(e.g. County Conservationist, LCC chair)



**Date:**

11/17/19

Send completed form and attachments to:

[Lisa.Trumble@wi.gov](mailto:Lisa.Trumble@wi.gov)

**PLANNED Bayfield County 2018 ANNUAL  
WORK PLAN LOCALLY-IDENTIFIED  
PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li><i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>500 Acres NMP cost shared</i> <i>2-NM planning trainings</i>	<i>\$20,000 Cost Share</i> <i>NR 151 Compliance Checks / NM Plan Updates</i>
<ul style="list-style-type: none"> <li><i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>8 Cattle Lanes</i> <i>3 Livestock Fencing</i> <i>3 Ag Stream Crossing</i> <i>3 Heavy Use Pad (Jameson Fencing? \$)</i> <i>3 Livestock All Season Drinkers</i> <i>3 Manure Pit Closures</i> <i>2 Buried Water Lines</i> <i>2 Drilled Well for Livestock</i> <i>1 Waterway</i> <i>1 Grade Stabilization</i>	<i>2,050 LF (\$16,000 Cost Share)</i> <i>13,800 LF (\$15,000 Cost Share)</i> <i>590 LF (\$6,000 Cost Share)</i> <i>400 SF (\$10,000 Cost Share)</i>  <i>9,200 CY (\$10,000 Cost Share)</i> <i>5,000 LF H2O Line (\$8,000 Cost Share)</i>  <i>1,000 LF shaping / subsurface drain</i>
<ul style="list-style-type: none"> <li><i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>4 streambank stabilizations – 450 LF.</i>  <i>1 Culvert Replacement</i> <i>1 Dam Removal</i> <i>6 Well Closures</i> <i>1 Shoreline Restoration</i>	<i>HUC-12 Flagg River (040103010908) (\$6,000 Cost Share)</i> <i>HUC-12 Whittlesey Creek (040203000300) (\$9,500 Cost Share)</i> <i>2 - HUC-12 White River (0401030206) (\$16,000 Cost Share)</i> <i>30,000 lbs of sediment reduction (\$6,500 Cost Share)</i> <i>1 mile stream reconnected (\$0 Cost Share)</i> <i>(\$8,000 Cost Share)</i> <i>(DNR Grant Funded 100%)</i> <i>(\$3,000 Cost Share)</i> <i>(\$3000 Cost Share)</i>
<ul style="list-style-type: none"> <li><i>Invasive</i></li> </ul>		
<b>Invasive species</b>	<i>2 full time Invasive Positions</i> <i>AIS / Upland Surveys</i> <i>Invasive Control</i> <i>Portable Decontamination Unit</i> <i>4 Summer Staff at Landings</i> <i>Annual Invasive Plan Updates</i> <i>MOU Renewed with Partners</i> <i>Invasive Species ID Days at Visitor Center</i>	<i>Secure nearly \$50,000 in grants for positions</i> <i>30 Site Surveys for Invasive Species</i> <i>200 Acres treated on 100+ sites</i> <i>500+ Boats Washed</i> <i>4000+ boaters reached</i> <i>Ongoing</i> <i>2018</i> <i>100+ reached monthly at spring / summer event</i>

**Bayfield County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

- *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>15 wetland basins (20 ac restored) Administer Wildlife damage program</i>	<i>20+ acres restored (\$25,000 Cost Share)</i>
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- *Forestry*

<b>Forestry</b>	<i>Will provide technical assistance</i>	<i>Hydrology calculations for crossings / culverts, topo survey assistance as needed.</i>
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- *Watershed*

<b>Watershed strategies</b>	<i>Fish Creek Bluff Stabilization work</i>	<i>1 large bluff stabilized</i>
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- *Other*

<b>Other</b>	<i>NR 135 Plan Reviews Shoreline Mitigation Plan Reviews</i>	<i>5 plan reviews 5 plan reviews</i>
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Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	0	0
Manure storage construction and transfer systems	0	0
Manure storage closure	3	0
Livestock facility siting	0	0
Nonmetallic/frac sand mining	5	0
Stormwater and construction site erosion control	0	0
Shoreland zoning	5	0
Wetlands and waterways (Ch. 30)	0	0
Other	0	0

**Bayfield County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 3: Planned inspections

Inspections	Number of inspections planned
Total Farm Inspections	5
For FPP	1
For NR 151	5
Animal waste ordinance	2
Livestock facility siting	0
Stormwater and construction site erosion control	0
Nonmetallic mining	5

Table 4: Planned outreach and education activities

Activity	Number
Tours	2
Field days	100
Trainings/workshops	17
School-age programs (camps, field days, classroom)	20
Newsletters	6
Social media posts	130
News release/story	15
Community Events	12

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>County Conservationist</i>	2080	\$69,100
<i>Technician</i>	1920	\$81,100
<i>Office Manager</i>	1920	\$71,000
<b>Cost Sharing</b> (can be combined)		
<i>Ex. Bonding</i>	N/A	\$63,750
<i>Ex. SEG</i>	N/A	\$40,000
<i>Ex. MDV</i>	N/A	\$0



**ACTUAL Bayfield County 2018 ANNUAL  
WORK PLAN LOCALLY-IDENTIFIED  
PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li><i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>1,000 Acres NMP cost shared</i> <i>2-NM on farm trainings</i>	<i>\$40,000 Cost Share</i> <i>2 New NM Plans</i>
<ul style="list-style-type: none"> <li><i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>4 Ag Access Roads</i> <i>2 Ag Stream Crossings</i> <i>380 Animal Trails &amp; Walkways</i> <i>3 Livestock All Season Drinkers, 2 Heavy Use Pads</i>  <i>2 Manure Pit Closures</i> <i>1 Drilled Well for Livestock</i>	<i>1,575 LF (\$16,089 Cost Share)</i> <i>260 LF (\$4,208 Cost Share)</i> <i>LF (\$16,290 Cost Share)</i> <i>3,500 LF Water Line (\$17,409 Cost Share)</i>  <i>5,200 CY (\$8,275 Cost Share)</i> <i>(\$980 Cost Share)</i>
<ul style="list-style-type: none"> <li><i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>5 streambank stabilizations – 385 LF.</i>  <i>18 Culverts Sized (FEMA/WEM)</i> <i>1 Dam Removal</i> <i>3 Well Closures</i> <i>11 Shoreline Mitigations</i>	<i>3 in HUC-12 Flagg River (040103010908) (\$0 Cost Share)</i> <i>1 in HUC-12 Whittlesey Creek (040203000300) (\$6,601 Cost Share)</i> <i>1 - HUC-12 White River (0401030206) (\$17,309 Cost Share)</i> <i>30,000 lbs of sediment reduction (\$6,500 Cost Share)</i> <i>(\$0 Cost Share)</i> <i>(\$0 Cost Share) (DNR Grant Funded 100%)</i> <i>(\$1,220 Cost Share)</i> <i>(\$0 Cost Share)</i>
<ul style="list-style-type: none"> <li><i>Invasive</i></li> </ul>		
<b>Invasive species</b>	<i>2 full time Invasive Positions</i> <i>AIS / Upland Surveys</i> <i>Invasive Control</i> <i>4 Summer Staff at Landings</i> <i>Annual Invasive Plan Updates</i> <i>MOU Renewed with Partners</i> <i>Invasive Species ID Days at Visitor Center</i>	<i>Secured \$95,000 in grants for positions</i> <i>50+ Site Surveys for Invasive Species</i> <i>100 Acres treated on 50+ sites</i> <i>4000+ boaters reached</i> <i>Ongoing</i> <i>2018</i> <i>100+ reached monthly at spring / summer event</i>
<ul style="list-style-type: none"> <li><i>Wildlife</i></li> </ul>		
<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>5 wetland basins (8 ac restored)</i> <i>Administer Wildlife damage program</i>	<i>8+ acres restored (\$4,711 Cost Share)</i>

**Bayfield County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

• <i>Forestry</i>		
<b>Forestry</b>	<i>Will provide technical assistance</i>	<i>Hydrology calculations for crossings / culverts, topo survey assistance as needed.</i>
• <i>Watershed</i>		
<b>Watershed strategies</b>	<i>Fish Creek Bluff Stabilization work</i>	<i>1 large bluff stabilized</i>
• <i>Other</i>		
<b>Other</b>	<i>NR 135 Plan Reviews Shoreline Mitigation Plan Reviews</i>	<i>3 plan reviews 11 plan reviews</i>

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	0	0
Manure storage construction and transfer systems	0	0
<i>Manure storage closure</i>	<i>2</i>	0
Livestock facility siting	0	0
<i>Nonmetallic/frac sand mining</i>	<i>3</i>	0
Stormwater and construction site erosion control	0	0
<i>Shoreland zoning</i>	<i>11</i>	0
Wetlands and waterways (Ch. 30)	0	0
Other	0	0

**Bayfield County 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 3: Planned inspections

Inspections	Number of inspections planned
<b>Total Farm Inspections</b>	<i>11</i>
For FPP	<i>1</i>
For NR 151	<i>0</i>
Animal waste ordinance	2
Livestock facility siting	0
Stormwater and construction site erosion control	0
Nonmetallic mining	5

Table 4: Planned outreach and education activities

Activity	Number
<b>Tours</b>	<i>3</i>
<b>Field days</b>	<i>100</i>
<b>Trainings/workshops</b>	<i>17</i>
<b>School-age programs (camps, field days, classroom)</b>	<i>20</i>
<b>Newsletters</b>	<i>5</i>
<b>Social media posts</b>	<i>75</i>
<b>News release/story</b>	<i>20</i>
<b>Community Events</b>	<i>12</i>

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>County Conservationist</i>	<i>2080</i>	<i>\$69,100</i>
<i>Technician</i>	<i>1920</i>	<i>\$81,100</i>
<i>Office Manager</i>	<i>1920</i>	<i>\$71,000</i>
<b>Cost Sharing (can be combined)</b>		
<i>Ex. Bonding</i>	<i>N/A</i>	<i>\$63,750</i>
<i>Ex. SEG</i>	<i>N/A</i>	<i>\$40,000</i>
<i>Ex. MDV</i>	<i>N/A</i>	<i>\$0</i>

**Bayfield County 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li>• <i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>1000 Acres NMP cost shared</i> <i>2 NMP trainings with farmers</i>	<i>\$40,000 Cost Share</i> <i>NR 151 compliance checks / NMP updates with farmers</i>
<ul style="list-style-type: none"> <li>• <i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>4 Cattle Lanes</i> <i>4 Livestock Fencing</i> <i>3 Ag Stream Crossings</i> <i>2 Heavy Use Pads</i> <i>2 Livestock All Season Drinkers</i> <i>1 Manure Pit Closure</i> <i>3 Buried Water Lines</i> <i>1 Drilled Well for Livestock</i> <i>1 Access Road</i> <i>2 Waterways</i>	<i>2,200 Lineal Feet (\$20,000 Cost Share)</i> <i>10,500 Lineal Feet (\$5,000 Cost Share)</i> <i>360 Lineal Feet (\$5,000 Cost Share)</i> <i>800 Square Feet (\$5,000 Cost Share)</i>  <i>4,600 Cubic Yards (\$5,000 Cost Share)</i> <i>3,000 Lineal Feet H2O Line (\$6,000 Cost Share)</i>  <i>530 Lineal Feet (\$2,000 Cost Share)</i> <i>1,200 Lineal Feet Shaping and / or Subsurface Drain (\$7,000 Cost Share)</i>
<ul style="list-style-type: none"> <li>• <i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>½ Time New Lake / Surface Water Specialist Position</i> <i>2 Streambank Stabilizations – 200 Lineal Feet</i> <i>3 Culvert Replacements</i> <i>1 Dam Removal</i> <i>5 Well Closures</i> <i>Shoreline Restoration</i>	<i>\$46,500 additional county dollars for Surface Water Protection</i>  <i>Flagg River HUC-12 (040103010908) (\$10,000 Cost-Share)</i> <i>(\$10,000 Cost Share)</i> <i>(100% DNR Funded)</i> <i>(\$3,000 Cost Share / \$3,000 County Funds)</i> <i>(\$2,000 Cost Share)</i>
<ul style="list-style-type: none"> <li>• <i>Invasive</i></li> </ul>		
<b>Invasive species</b>	<i>1.5 Full Time Invasive Species Positions</i> <i>AIS / Upland Surveys</i> <i>Invasive Control</i> <i>Operation of Portable Decontamination Unit</i> <i>6 Summer Interns; Landings and Control Work</i> <i>Annual Invasive Plan Updates</i> <i>MOU Renewed with Partners</i> <i>Invasive Species ID Days at Visitor Center</i> <i>ROW Workshops with municipalities</i>	<i>Secure approx. \$70,000 grant funds for both positions</i> <i>45 Site Surveys for Invasive Species</i> <i>250 Acres Treated on 50 sites</i> <i>1350 Boats Washed / Inspected</i> <i>2800 Boaters Reached</i> <i>Ongoing</i> <i>2019</i> <i>100+ People Reached Monthly at spring / summer events</i> <i>30 People Reached Monthly at spring / summer events</i>

**Bayfield County 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

- *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>5 Wetland restoration basins (10 ac restored) Administer Wildlife Damage Program</i>	<i>10 Acres Restored (\$8,000 Cost-Share) Fund Wildlife Damage Specialist Position</i>
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- *Urban*

<b>Urban issues</b>	<i>Stormwater control Construction site erosion control Floodplain protection</i>	<i>Number of site visits Number of plans reviews Number of permits issued Number of compliance issues resolved</i>
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- *Forestry*

<b>Forestry</b>	<i>Will provide technical assistance from flood damage</i>	<i>Hydrology calculations for crossings / culverts, topo survey assistance as needed.</i>
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- *Watershed*

<b>Watershed strategies</b>	<i>South Fish Creek Watershed BMP Focus</i>	<i>Target Farms in Watershed for BMPs and NMP</i>
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- *Other*

<b>Other</b>	<i>NR 135 Plan Reviews Shoreline Mitigation Plan Reviews</i>	<i>3 Plan Reviews 15 Plan Reviews</i>
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Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	0	0
Manure storage construction and transfer systems	0	0
Manure storage closure	0	0
Livestock facility siting	0	0
Nonmetallic/frac sand mining	0	0
Stormwater and construction site erosion control	0	0
Shoreland zoning	15	0
Wetlands and waterways (Ch. 30)	0	0
Other	0	0



**Bayfield County 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

<b>Staff/Support</b>	<b>Hours</b>	<b>Costs</b>
<i>Ex. County Conservationist</i>	2080	\$68,994
<i>Ex. Technician</i>	1920	\$80,955
<i>Ex. Support Costs</i>	1920	\$70,651
<b>Cost Sharing</b> (can be combined)		
<i>Ex. Bonding</i>	N/A	\$48,800
<i>Ex. SEG</i>	N/A	\$40,000
<i>Ex. MDV</i>	N/A	\$0

**CORRESPONDENCE/MEMORANDUM** \_\_\_\_\_ **State of Wisconsin**

**DATE:** November 20, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa K. Trumble, DATCP *Lisa K. Trumble*  
Resource Management Section,  
Bureau of Land and Water Resources

**SUBJECT:** Recommendation for Approval of the *Polk County Land and Water Resource Management Plan*

**Action Requested:** This is an action item. The department has determined that the *Polk County Land and Water Resource Management Plan* meets applicable statutory and rule requirements and requests that the LWCB make a recommendation regarding approval of the plan consistent with the Board's guidance.

**Summary:** The plan is written as a 10 year plan, and if approved, the plan would remain in effect through December 31, 2029, and would be subject to a five year review prior to December 31, 2024.

DATCP staff reviewed the plan using the checklist and finds that the plan complies with all the requirements of section 92.10, Wisconsin Statutes, and Chapter ATCP 50, Wisconsin Administrative Code.

To qualify for 10 year approval of its plan, Polk County must submit an annual work plan meeting DATCP requirements during each year of its 10 year plan approval.

Polk County held a public hearing on August 28, 2019, as part of its public input and review process. The Polk County Land Conservation Committee presented the LWRM plan for County Board approval on September 17, 2019. The plan was approved.

**Materials Provided:**

- LWRM Plan Review Checklist
- Completed LWRM Plan Review form
- 2018 workplan with accomplishments and current 2019 workplan

**Presenters:** Katelin Anderson, Polk County Information and Education Coordinator  
Eric Wojchik, LWCD Conservation Planner  
Kim O'Connell, Environmental Services Committee Chair





Wisconsin Dept. of Agriculture, Trade and Consumer Protection  
 Agricultural Resource Management Division  
 2811 Agriculture Drive, PO Box 8911  
 Madison WI 53708-8911  
 Phone: (608) 224-4608

## Land and Water Resource Management (LWRM)

### LWRM Plan Review Checklist

Wis. Stats. § 92.10 & Wis. Adm. Code § ATCP 50.12.

County: Polk

Date Plan Submitted for Review: 7/22/2019

I. ADVISORY COMMITTEE	Yes	No	Page
1. Did the county convene a local advisory committee that included a broad spectrum of public interests and perspectives (such as affected landowners, partner organizations, government officials, educational institutions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2

II. PUBLIC PARTICIPATION AND COUNTY BOARD APPROVAL	Date(s)
1. Provide the dates that the local advisory committee met to discuss the development of the LWRM plan and the county plan of work	11/27/18, 1/9/19, 3/19/19, 7/9/19
2. Provide the date the county held a public hearing on the LWRM plan <sup>1</sup>	8/28/19
3. Provide the date of county board approval of the plan, or the date the county board is expected to approve the plan after the LWCB makes its recommendation. <sup>2</sup>	9/17/19

III. RESOURCE ASSESSMENT AND WATER QUALITY OBJECTIVES	Yes	No	Page
1. Does the plan include the following information as part of a county-wide resource assessment:			
a. Soil erosion conditions in the county <sup>3</sup> , including:			
i. identification of areas within county that have high erosion rates or other soil erosion problems that merit action within the next 10 years	<input checked="" type="checkbox"/>	<input type="checkbox"/>	34
b. Water quality conditions of watersheds in the county <sup>3</sup> , including:			
i. location of watershed areas, showing their geographic boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8-10

<sup>1</sup> Appropriate notice must be provided for the required public hearing. The public hearing notice serves to notify landowners and land users of the results of any determinations concerning soil erosion rates and nonpoint source water pollution, and provides an opportunity for landowners and land users input on the county's plan. Individual notice to landowners is required if the landowners are referenced directly in the LWRM plan. DATCP may request verification that appropriate notice was provided.

<sup>2</sup> The county board may approve the county LWRM plan after the department approves the plan. The plan approved by the county board must be the same plan approved by the department. If the department requires changes to a plan previously approved by the county board, the department's approval does not take effect until the county board approves the modified plan.

<sup>3</sup> Counties should support their analysis of soil and water conditions by referencing relevant land use and natural resource information, including the distribution of major soil types and surface topographic features, and land use categories and their distribution. Sec. ATCP 50.12(3)(b) requires that a county assemble relevant data, including relevant land use, natural resource, water quality and soil data.

- |      |  |                                     |                          |                         |
|------|--|-------------------------------------|--------------------------|-------------------------|
| ii.  | identification of the causes and sources of the water quality impairments and pollutant sources                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 28-30                   |
| iii. | identification of areas within the county that have water quality problems that merit action within the next 10 years. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 28-30,<br>53,<br>79-101 |

2. Does the LWRM plan address objectives by including the following:

- |    |  |                                     |                          |       |
|----|--|-------------------------------------|--------------------------|-------|
| a. | specific water quality objectives identified for each watershed based upon the resource assessment, if available | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 48-50 |
| b. | pollutant load reduction targets for the watersheds, if available  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 48-50 |

Other comments:

IV. DNR CONSULTATION	Yes	No	Page
1. Did the county consult with DNR <sup>4</sup> to obtain water quality assessments, if available; to identify key water quality problem areas; to determine water quality objectives; and to identify pollutant load reduction targets, if any; and to review NR 151 implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2, 79-101

Other comments: \_\_\_\_\_

V. PLAN IMPLEMENTATION	Yes	No	Page
1. Does the LWRM plan include the following implementation components: :			
a. A voluntary implementation strategy to encourage adoption of farm conservation practices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	65-69
b. State and local regulations used to implement the plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	41-47
c. Compliance procedures that apply for failure to implement the conservation practices in ATCP 50, ch. NR 151 and related local regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	65-69
d. Relevant conservation practices to achieve compliance with performance standards and prohibitions and to address identified water quality and erosion problems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	67
e. A system for meeting county responsibilities to monitor the compliance of participants in the farmland preservation program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	36,71

<sup>4</sup> While requirements for DNR consultation may be satisfied by including relevant DNR representatives on the advisory committee, counties may also need to interact with DNR staff in central or regional offices to meet all of the consultation requirements. DNR may point counties to other resources to obtain information including consultants who can calculate pollutant load reduction targets.

- |   |                                     |                          |        |
|---|-------------------------------------|--------------------------|--------|
| 2. Does the LWRM plan (or accompanying work plan) estimate:   |                                     |                          |        |
| a. expected costs of implementing the plan including cost-sharing for conservation practices needed to achieve plan objectives  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Add. A |
| b. the staff time needed to provide technical assistance and education and outreach to implement the plan.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Add.A  |
| 3. Does the LWRM plan describe a priority farm strategy designed to make reasonable progress in implementing state performance standards and conservation practices on farms appropriately classified as a priority | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 65-68  |

Other comments:

VI. OUTREACH AND PARTNERING	Yes	No	Page
1. Does the LWRM plan describe a strategy to provide information and education on soil and water resource management, conservation practices and available cost-share funding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	62-66
2. Does the LWRM plan describe coordination activities with local, state and federal agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	70-71

Other comments: \_\_\_\_\_

VII. WORK PLANNING AND PROGRESS MONITORING	Yes	No	Page
1. Does the county's most recent annual work plan <sup>5</sup> do both of the following:			
a. Provide measurable performance benchmarks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
b. Identify priorities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA
2. Does the LWRM plan describe a strategy and framework for monitoring county progress implementing its plan including methodology to track and measure progress in meeting performance benchmarks and plan objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	68-71

Other comments:

VIII. EPA SECTION 319 CONSIDERATIONS
1. IS THE COUNTY WORKING WITH DNR TO SEEK EPA APPROVAL OF THIS PLAN AS MEETING THE REQUIREMENTS OF A 9 KEY ELEMENT PLAN UNDER SECTION 319 OF THE CLEAN WATER ACT: Lake St. Croix currently has a 9KE plan

<sup>5</sup> Counties must submit annual work plan by no later than April 15<sup>th</sup> of every year to meet the requirement in s. ATCP 50.12(2)(i) for counties to have multi-year work plans.

**STAFF RECOMMENDATION**

Staff has reviewed the above-referenced county LWRM plan based on the criteria required in s. ATCP 50.12, Wis. Admin. Code, and s. 92.10, Stats., and has determined that the plan meets the criteria for DATCP approval of this plan. This checklist review is prepared to enable the LWCB to make recommendations regarding plan approval, and for DATCP to make its final decision regarding plan approval.

Staff Signature:     *Lisa K. Trumble*    

Date:     11/20/2019



Land and Water Conservation Board  
County Land and Water Resource Management Plan  
Review of LWRM Plan Revisions

**County:** POLK

**Implementation Covering Past Five Years and Future Directions**

Answer these four questions in writing (not to exceed 4 pages)

1. Provide a representative number of accomplishments within the last five years that can be directly traced to activities identified in multiple work plans. For each accomplishment, explain how the planning process helped the county achieve its outcome, including planning adjustments that helped better target county activities.

2016-2017 Work Plans - Nutrient Management Farmer Education Grant

- 10 producers to be trained in writing a nutrient management plan for their operation planned for 2017. Seven producers completed courses and drafted nutrient management plans covering 3,739 acres.

2017 Work Plan - Manure and Water Quality Management Ordinance revision

- A comprehensive revision of the Manure and Water Quality Management Ordinance for Polk County to re-evaluate county priorities related to animal waste and water quality and produce an ordinance that was more feasible to implement for Polk County Land and Water Resources Department (LWRD).

2018 Work Plan - Stormwater & Erosion Control Ordinance revision

- A modification of several items to improve the consistency of the administration of the ordinance and address the challenges of agriculture development related to stormwater and erosion control.

2015-2019 Work Plans - BMP design and installation

- Six well decommissions, two grade stabilization structures, five manure storage pit closures, one prescribed grazing system, two barnyards planned with only one being built, two manure storage structures with manure transfer systems built in the last 5 years.

2015-2019 Work Plans - Farmer-Led initiative facilitation

- Polk County LWRD continues to provide valuable technical assistance for one watershed council that operates in the Horse Creek and Squaw Lake watersheds.

2015-2019 Work Plans - Quantify nutrient reductions for BMP's installed

- Cropland practices such as cover crops and no-till are inventoried in priority watershed and modeled in STEPL to estimate the value in nutrient and sediment reductions associated with those practices.

## 2015-2019 Work Plans - Water quality/quantity activities

- Five lake management plans, 1 aquatic plant management plan, eleven lakes with directed lakes protocol, eleven lakes with aquatic plant surveys, four annual invasive species monitoring trainings.

For all of the accomplishments listed, the planning process provided the means to identify goals Polk County LWRD wished to achieve over a specific time period. After the goals were identified, the work plan provided the timeline and project area in which LWRD was to address the goals. Overall the plan was a very helpful guidance document to continually be reminded of goals identified in the LWRM Plan and the process previously identified to accomplish them. Without the plan it would be more difficult to demonstrate our purpose and quantify results of our work.

2. Identify any areas where the county was unable to make desired progress in implementing activities identified in recent work plans. For each area identified, explain the work plan adjustments that were made to refocus planned activities. If no areas are identified, explain how the county was able to make progress in all the areas planned.

In the 2009 LWRM Plan the implementation process was driven by location within a water quality management area (1,000 feet from a lake or 300 feet from a stream). However, because of the vast number of water resources in Polk County, this area of land comprises 43% of the land area of Polk County. Although phosphorus reductions were being achieved with this approach, it was challenging to truly evaluate the effectiveness of the strategy and show success at the individual waterbody level since implementation was occurring over more than 263,000 acres of the County.

The 2019 LWRM Plan uses a novel approach of ranking watersheds at the 12 Digit Hydrologic Unit Code (HUC) level to prioritize the workload of the Polk County Land and Water Resources Department. The advisory committee provided input on the various factors used to develop the watershed ranking system. Factors were determined to be either primary (i.e. phosphorus loading, impaired waters, etc.) or secondary (i.e. percent agricultural land cover, number of potential livestock operations, etc.) and each watershed was allocated points for each factor. The cumulative point total was used to finalize the watershed priority ranking.

The need for a comprehensive inventory of livestock operations in Polk County, which was identified in multiple work plans, is a prime example to demonstrate the need to adjust the work plan and refocus planned activities. Although previous livestock inventories have been implemented in Polk County, an updated inventory that takes into account the decline of dairy operations and develops a process to prioritize livestock facilities for compliance review is overdue. A comprehensive inventory of livestock operations had been postponed due to the staffing and time limitations that were imposed by the scale of a county-wide inventory. Realizing these limitations, the watershed approach resulted in work plan adjustments that refocused the inventory to the top ranking watershed. Other activities that were refocused in the 2020-2021 work plan include farm reviews, nutrient management plans, no till, cover crops, NDTI satellite imagery tool, and the development of a farmer led council.

3. Describe the county's approach to implementation of its priority farm strategy including outreach, farm inventories and making use of multiple funding sources. How has the county evaluated the effectiveness of its priority farm strategy and used this information to improve implementation of the agricultural performance standards and conservation practices on farms?

Implementation of the priority farm strategy will occur starting with the 12 Digit HUC watershed identified as the highest priority using the approach identified in question 2 above.

Available staff and cost-share resources will be dedicated toward addressing resource and runoff issues in the highest priority watershed until phosphorus runoff reduction goals are met. The phosphorus reduction goals of the Lake St. Croix TMDL Plan will be used to determine when goals have been achieved for that portion of the county. Farms and working lands will be reviewed and certified in compliance, or on a path to compliance, with WDNR NR151. Waterfront and developed properties will be reviewed and runoff problems addressed, as well as watershed councils formed and functioning to good effect. The agricultural elements within the watershed may be completed before the waterfront and developed properties, or vice versa, at which time the staff who specialize in those areas may move to the next watershed before work is finished by the other group.

Progress will depend on the level of staffing and cost-sharing available. The two-year work plan outlines the progress to expect with current staff and cost-share levels for the years 2020-2021. It is the hope and intent of the developers of the LWRM Plan that additional grant money for staff and cost-sharing will be obtained once this plan has been adopted. Cost share money will be obtained from multiple sources including: DATCP base allocation, DNR-TRM, DNR-Lake Protection, Lake Districts, private foundations, etc. In an effort to document water quality improvement, water quality data will be collected prior to, during, and after watershed work is complete.

Once runoff reduction goals have been met with the highest priority watershed then the next highest ranked watershed will be addressed in similar fashion, and so on until all watersheds have been addressed.

The Polk County LWRD plans to work with the WDNR and other agencies to implement NR 151 using the strategy outlined below. Completion of each task is dependent on receiving adequate funds. Effort will be made to secure necessary funds, and a good faith effort will be made to accomplish each task.

1. Conduct information and education activities
2. Use a watershed approach to select and evaluate parcels for compliance with standards and prohibitions
3. Procedure for records, map, GIS inventory review
4. Onsite evaluation procedure
5. Document and report compliance status
6. Offer or arrange for technical assistance and make cost-sharing available as needed to install or implement best management practices
7. Administer funding and technical assistance
8. Conduct enforcement activities
9. Monitor compliance
10. Track and report program activities and progress

4. Provide representative examples that show changes in direction in the county's LWRM plan and annual work plans, with specific examples provided showing adjustments in goals, objectives or planned activities.

As described above, the 2019 LWRM Plan uses a novel approach of ranking watersheds at the 12 Digit HUC level to prioritize the workload of Polk County LWRD. Although Polk County LWRD will continue to respond to needs at the county-level, activities will be planned and focused based on watershed rankings. For example, Polk County LWRD is currently exploring grant opportunities to implement the work necessary to accomplish the goals of the plan in the top ranked watershed. The watershed approach focuses the area where work will be prioritized to meet the goals, objectives, and activities developed by the advisory committee. Additionally, with a more focused approach, improvements in the water quality within the prioritized watersheds should be more apparent.

As compared to the Polk County LWRMP prepared in 2009, this updated LWRMP has a greater focus on groundwater and land resources. The 2009 plan did include a goal related to protecting groundwater, but specific objectives and activities were not outlined. In contrast, the 2019 plan has an entire goal dedicated specifically to protecting and improving groundwater quality and quantity. Similarly, the 2019 plan has a much greater focus on protecting and preserving soil health and productivity and landscape diversity.

In 2009, aquatic invasive species was the first objective listed under the first goal of the plan. During the 2019 advisory committee planning process, aquatic invasive species were listed as a concern and therefore included in the plan but didn't carry the same emphasis as the 2009 plan.

### **Annual Work Plans**

Attach both of the following:

- a. The most current annual work plan, prepared in the current format from DATCP, and addresses all required items such as needed funding and staff hours.
- b. The work plan for the previous year that includes a column that identifies the progress in implementing the planned activities for that year.

### **Presentation Regarding County Resource Concerns**

Prepare and present an 8-10 minute snapshot to the board regarding county resources and management issues. The county must prepare one of following as part of this brief presentation:

- a. A PowerPoint (showing what your county looks like, can include maps), or
- b. A hand out (2 page max)

### **Guidance on Board Review Process**

The LWCB's review supplements, but does not replace compliance with the DATCP checklist for LWRM plan approval. This encourages and supports honest presentations from the county. The county is strongly encouraged to have the LCC chair or committee member be a part of the presentation to the Board to contribute policy and other insights to the discussion. The goal of

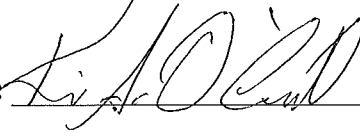


the review is not to fail counties. The board recognizes the dynamic nature of the planning process. Board members are interested in how counties tackle priorities over time and how they respond to changing conditions in pursuing their priorities. The board will evaluate a county's planning and implementation based on how well the county balances and prioritizes the following: agricultural performance standards, other state priorities (impaired waters, FPP checks), and local priorities. When needed, the Board will provide constructive support to counties to improve the quality of their planning.

**Land Conservation Committee Notification**

The LCC was provided a completed copy of this form (including attachments) on:

**Signature of Authorized Representative:**  
(e.g. County Conservationist, LCC chair)



**Date:** 11-20-19

Send completed form and attachments to:  
[Lisa.Trumble@wi.gov](mailto:Lisa.Trumble@wi.gov)

**POLK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li>• <i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>No-till – HUC12’s 07030005084, 6</i> <i>No-till – rest of county</i> <i>Cover crops – HUC12’s 07030005084, 6</i> <i>Cover crops – HUC12’s 070300050703, 4, 7</i> <i>Cover crops elsewhere in county</i> <i>NM plans – HUC12’s 07030005084, 6</i> <i>NM plans – HUC12’s 070300050703, 4, 7</i> <i>NM plans – rest of county</i> <i>Cover crop survey HUC12’s 07030005084, 6</i> <i>County-wide Transect survey</i> <i>Attempt 2nd farmer led council 070300050703, 4, 7</i>	<i>500 new acres, 500 lbs P reduction, 2000 acres maintain</i> <i>0 new acres, 300 acres maintain</i> <i>250 new acres, 188 lbs P red., 1500 acres maintain</i> <i>500 new acres, 375 lbs P red. 0 acres maintain</i> <i>0 new acres, 1500 acres maintain</i> <i>0 new acres, 1400 maintain</i> <i>0 new acres, 80 acres maintain</i> <i>0 new acres, 5800 acres maintain</i> <i>Inventory entire watersheds (24,000 acres)</i> <i>County wide about 900 points</i> <i>Initiate 1 new farmer led watershed council</i>
<ul style="list-style-type: none"> <li>• <i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>Manure pit closure</i> <i>Barnyard runoff control</i> <i>Initiate county livestock op inventory</i> <i>Manure storage structure</i> <i>Stormwater &amp; Erosion Control ordinance revision</i>	<i>1 pit, 42 lbs P red.</i> <i>1 barnyard, 40 lbs P red.</i> <i>1 county-wide inventory using GIS tracking system</i> <i>2 storage structures, (894 acres NMP done last year listed above)</i> <i>1 revision</i>
<ul style="list-style-type: none"> <li>• <i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>Directed lakes protocol</i> <i>Public beach samples</i> <i>Lake management plans developed and written</i> <i>Lake management plans assisted/advised</i> <i>Water quality testing</i> <i>Water quality/quantity monitoring</i> <i>WASCOB Long lake</i> <i>Grade stabilization structure Long lake</i> <i>WASCOB Deer lake</i> <i>LiDAR grant watershed modeling w/ EVAAL</i> <i>Lake level monitoring</i> <i>Technical assistance for Healthy lakes</i> <i>Point intercept aquatic plant surveys</i>	<i>5 lakes</i> <i>5 beaches each week all summer</i> <i>1 lake</i> <i>3 lakes</i> <i>7 lakes</i> <i>9 stream sites</i> <i>\$21000 c/s, 26 lbs P red.</i> <i>\$9000 c/s, 5 lbs P red.</i> <i>\$42000 c/s, 250 lbs P red.</i> <i>HUC’s 2993 and 2886</i> <i>4 lakes</i> <i>15 sites</i> <i>6 lakes</i>
<ul style="list-style-type: none"> <li>• <i>Forestry</i></li> </ul>		
<b>Forestry</b>		

**POLK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

- *Invasive*

<b>Invasive species</b>	<i>Polk County zebra mussel task force</i> <i>State AIS campaigns</i> <i>Smart prevention protocol</i> <i>Purple loosestrife beetles</i> <i>CWMA program</i> <i>State AIS citizen training/monitoring programs</i> <i>AIS signs inventory</i>	<i>1 monitoring/education plan for the county</i> <i>3 campaigns</i> <i>6 lakes</i> <i>1 site</i> <i>1 enclosed trailer with tools</i> <i>3 programs</i> <i>86 boat landings using GIS tracking system</i>
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- *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>Wildlife damage program</i> <i>Tree and plant sales</i>	<i>45 participants</i> <i>16000 trees</i>
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- *Urban*

<b>Urban issues</b>	<i>Stormwater and construction site erosion control</i> <i>-same-</i> <i>-same-</i> <i>-same-</i>	<i>25 site visits</i> <i>10 plan reviews</i> <i>10 permits, <u>200 lbs P red.</u></i> <i>2 compliance issues</i>
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- *Watershed*

<b>Watershed strategies</b>	<i>Producer-led watershed council (2993 and 2886)</i> <i>-same-</i> <i>-same-</i> <i>County-wide</i>	<i>6 meetings attend/presentation</i> <i>StepL modeling</i> <i>10 partner contacts</i> <i>1 conservation practice GIS tracking system development</i>
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- *Other*

<b>Other</b>	<i>Non-metallic mine reclamation program</i> <i>-same-</i> <i>-same-</i>	<i>64 plan reviews</i> <i>64 site inspections</i> <i>64 mines track using GIS tracking system</i>
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**POLK COUNTY 2018 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	0	0
Manure storage construction and transfer systems	2	2
Manure storage closure	1	1
Livestock facility siting	0	0
Nonmetallic/frac sand mining	64	64
Stormwater and construction site erosion control	10	10
Shoreland zoning	0	0
Wetlands and waterways (Ch. 30)	0	0
Other	0	0

Table 3: Planned inspections

<b>Inspections</b>	<b>Number of inspections planned</b>
Total Farm Inspections	<i>10</i>
For FPP	7
For NR 151	3
Animal waste ordinance	12
Livestock facility siting	0
Stormwater and construction site erosion control	25
Nonmetallic mining	63

Table 4: Planned outreach and education activities

<b>Activity</b>	<b>Number</b>
Tours	2
Field days	4
Trainings/workshops	5
School-age programs (camps, field days, classroom)	5
Newsletters	0
Social media posts	0
News release/story	5
Radio programs	22

**POLK COUNTY LWRD 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY (goal and objective from LWRM plan can be added in each category)	PLANNED ACTIVITIES WITH BENCHMARKS If applicable identify focus areas, e.g. HUC 12 watershed code (examples of types of “planned activities” in italics)	PERFORMANCE MEASUREMENTS (examples in italics)
<ul style="list-style-type: none"> <li>• <i>Cropland</i></li> </ul>		
<b>Cropland, soil health and/or nutrient management</b>	<i>No-till – HUC 12’s 070300050804, 06, 08</i> <i>No-till – rest of county</i> <i>Cover crops – HUC12’s 070300050804, 06</i> <i>Cover crops – rest of county</i> <i>NM plans – HUC12’s 070300051001, 03, 05 and HUC12’s 070300050708, 50805, 50807</i> <i>NM plans – HUC12’s 070300050804, 06</i> <i>NM plans – HUC12’s 070300050703, 04, 07</i> <i>NM plans – rest of county</i> <i>Cover crop survey HUC12’s 070300050804, 06</i> <i>County-wide transect survey</i> <i>Try 2<sup>nd</sup> farmer led council - HUC12 070300050801</i>	<i>250 new acres, 250 lbs P red., 29Attemp 2<sup>nd</sup> farmer led council</i> <i>00 ac. maintain</i> <i>0 new acres, 300 ac. maintain</i> <i>250 new acres, 188 lbs P red., 1750 ac. maintain</i> <i>0 new acres, 1500 ac. maintain</i> <i>Total of 2000 new acres, 2000 lbs P red.</i> <i>0 new acres, maintain 1428 ac.</i> <i>0 new acres, 80 ac. maintain</i> <i>0 new acres, 5800 ac. maintain</i> <i>Inventory watersheds (24,000 ac.)</i> <i>County wide survey about 900 points</i> <i>Attempt 1 new farmer led watershed council</i>
<ul style="list-style-type: none"> <li>• <i>Livestock</i></li> </ul>		
<b>Livestock</b>	<i>Manure pit closure</i> <i>Barnyard runoff control milkhouse</i> <i>Livestock inventory HUC12 070300050801</i>	<i>1 pit, 42 lbs P red.</i> <i>Milkhouse waste control system</i> <i>LWRM Plan HUC12 priority watershed</i>
<ul style="list-style-type: none"> <li>• <i>Water quality</i></li> </ul>		
<b>Water quality/quantity</b> (other than activities already listed in other categories)	<i>Directed lakes protocol</i> <i>Public beach samples</i> <i>Lake management plans developed and written</i> <i>Lake management plans assisted</i> <i>Lake aquatic plant management plans</i> <i>Water quality testing</i> <i>Water quality/quantity monitoring</i> <i>Lake level monitoring</i> <i>Technical assistance for healthy lakes program</i> <i>Point intercept aquatic plant surveys</i> <i>Well decommissioning</i>	<i>6 lakes</i> <i>5 beaches each week all summer</i> <i>1 lake</i> <i>4 lakes</i> <i>1 lake</i> <i>7 lakes</i> <i>5 stream sites</i> <i>4 lakes</i> <i>15 sites</i> <i>3 lakes</i> <i>1 well</i>
<ul style="list-style-type: none"> <li>• <i>Forestry</i></li> </ul>		
<b>Forestry</b>	None	
<ul style="list-style-type: none"> <li>• <i>Invasive</i></li> </ul>		
<b>Invasive species</b>	State AIS campaigns	3 campaigns

**POLK COUNTY LWRD 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

	<i>Smart prevention protocol Purple loosestrife beetles CWMA program State AIS citizen training/monitoring program AIS signs inventory</i>	<i>6 lakes 1 site 1 enclosed trailer with tools 3 programs Maintained for 86 boat landings using tracking software</i>
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- *Wildlife*

<b>Wildlife-Wetlands-Habitat</b> (other than forestry or invasive species)	<i>Wildlife damage program Tree and plant sales</i>	<i>40 participants 12000 trees sold</i>
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- *Urban*

<b>Urban issues</b>	<i>Stormwater and construction site erosion control Stormwater and construction site erosion control Stormwater and construction site erosion control Stormwater and construction site erosion control Stormwater and Erosion Control Ordinance</i>	<i>25 site visits 10 plan reviews 10 permits, 200 lbs P red. At least 2 compliance issues 1 ordinance update and adoption</i>
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- *Watershed*

<b>Watershed strategies</b>	<i>Producer led watershed council HUC12's 070300050804, 06, 08 Producer led watershed council – same HUC12's County-wide tracking system Land and Water Resource Management Plan</i>	<i>6 meetings attend/presentation StepL modeling 10 partner contacts 1 conservation practice GIS tracking system development Adopt plan, begin watershed based plan implementation</i>
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- *Other*

<b>Other</b>	<i>Nonmetallic mine reclamation - Same - Same</i>	<i>64 plan reviews 64 site inspections 64 mines tracked using GIS tracking software</i>
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**POLK COUNTY LWRD 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 2: Planned activity related to permits and ordinances

<b>Permits and Ordinances</b>	<b>Plans/application reviews anticipated</b>	<b>Permits anticipated to be issued</b>
Feedlot permits	0	0
Manure storage construction and transfer systems	2	2
Manure storage closure	1	1
Livestock facility siting	0	0
Nonmetallic/frac sand mining	64	64
Stormwater and construction site erosion control	10	10
Shoreland zoning	0	0
Wetlands and waterways (Ch. 30)	0	0
Other	0	0

Table 3: Planned inspections

<b>Inspections</b>	<b>Number of inspections planned</b>
Total Farm Inspections	10
For FPP	7
For NR 151	10
Animal waste ordinance	3
Livestock facility siting	0
Stormwater and construction site erosion control	20
Nonmetallic mining	64

Table 4: Planned outreach and education activities

<b>Activity</b>	<b>Number</b>
Tours	2
Field days	3
Trainings/workshops	5
School-age programs (camps, field days, classroom)	6
Newsletters	0
Social media posts	0
News release/story/radio	24

**POLK COUNTY LWRD 2019 ANNUAL WORK PLAN  
LOCALLY-IDENTIFIED PRIORITIES**

Table 5: Staff Hours and Expected Costs (staff can be combined or listed individually)

Staff/Support	Hours	Costs
<i>County Conservationist</i>	2080	\$99,000
<i>Planners/Techs/Water Quality staff</i>	10400	\$428,000
<i>Admin Assistant</i>	2080	\$49,000
<b>Cost Sharing</b> (can be combined)		
<i>Ex. Bonding</i>	<i>N/A</i>	\$40,500
<i>Ex. SEG</i>	<i>N/A</i>	\$0
<i>Ex. MDV</i>	<i>N/A</i>	\$0



# **CORRESPONDENCE/MEMORANDUM**

STATE OF WISCONSIN

**DATE:** November 21, 2019

**TO:** Land and Water Conservation Board Members and Advisors

**FROM:** Lisa Trumble, DATCP *Lisa K. Trumble*  
Land and Water Resource Bureau

**SUBJECT:** Approval of Proposed 2020 LWCB Annual Agenda

**Recommended Action:** This is an action item. The LWCB may choose to approve the proposed 2020 annual agenda or choose to amend it before approval.

**Summary:** DATCP and DNR staff have prepared a proposed annual agenda for LWCB meetings in 2020. Subject to LWCB approval, the meeting dates for 2020 are as follows:

February 4, 2020 in Madison

April 7, 2020, in Madison

June 2, 2020 in Madison

August 4, 2020, in Madison

October 6, 2020, in Madison

December 1, 2020, in Madison

One or more meetings may be held remotely by telephone conference call or internet connection.

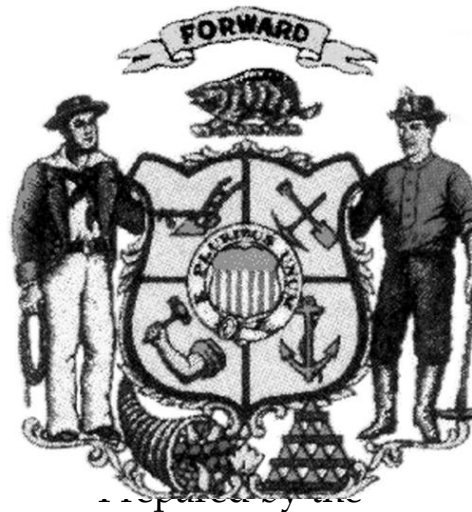
If you have any questions about the annual agenda, please contact Lisa Trumble, [Lisa.Trumble@wi.gov](mailto:Lisa.Trumble@wi.gov), (608)224-4617.

**Materials Provided:** LWCB 2020 Proposed Annual Agenda.

**Presenter:** Lisa Trumble, DATCP

# Land and Water Conservation Board

## 2020 ANNUAL AGENDA



Department of Agriculture, Trade and Consumer Protection  
and the  
Department of Natural Resources

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## February 4, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Five Year Review (Manitowoc)  
*Responsible Party: Lisa Trumble*
- ◆ Report and Potential Recommendation on the 2019 CREP Spending Authority  
*Responsible Party: Brian Loeffelholz*
- ◆ *Gathering input from stakeholders and public on nonpoint funding*  
*Responsible Party: LWCB Chair*

### LWCB ADMINISTRATIVE MATTERS

- ◆ Election of 2020 Officers  
*Responsible Party: LWCB Chair*

## APRIL 7, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Approvals and Five Year Reviews (Columbia, Iron, Iowa, and Lafayette Counties)  
*Responsible Party: Lisa Trumble*
- ◆ Extension of DATCP Projects from 2019 into 2020  
*Responsible Party: Jenni Heaton-Amrhein*
- ◆ Report on Transfers and Reallocations of 2019 Cost-Share Dollars (written report only)  
*Responsible Party: Jenni Heaton-Amrhein and DNR Representative*

## JUNE 2, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Five Year Review (Oconto County)  
*Responsible Party: Lisa Trumble*
- ◆ 2021 Grant Applications (written report only)  
*Responsible Party: DATCP and DNR*

Note: This meeting may be cancelled if there are not sufficient agenda items.

## AUGUST 4, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Approvals and Five Year Reviews (Winnebago, Washington, and Adams Counties)  
*Responsible Party: Lisa Trumble*
- ◆ Presentation of 2021 Joint Preliminary Allocation Plan  
*Responsible Party: Jenni Heaton-Amrhein and Joanna Griffin*
- ◆ DNR Presentation of the Scores and Rankings of Targeted Runoff Management (TRM) Projects for CY 2021  
*Responsible Party: Joanna Griffin*
- ◆ DNR Presentation of the Scores and Rankings of Urban Nonpoint Source and Storm Water Management Projects for CY 2021  
*Responsible Party: Joanna Griffin*
- ◆ Report on 2019 Program Accomplishments by Counties  
*Responsible Party: Coreen Fallat*

## OCTOBER 6, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Approvals and Five Year Reviews (Door, Walworth, Jefferson, and Sheboygan Counties)  
*Responsible Party: Lisa Trumble*
- ◆ Recommendation for approval of the 2021 Joint Final Allocation Plan
  - ❖ Response to comments regarding the 2021 Joint Preliminary Allocation Plan*Responsible Party: Jenni Heaton-Amrhein and Joanna Griffin*

## DECEMBER 1, 2020 LWCB MEETING

### DATCP AND DNR PROGRAMS

- ◆ Recommendations related to Land and Water Resource Management Plans: Approvals and Five Year Reviews (Marinette, Marathon, Rusk, and Pepin Counties)  
*Responsible Party: Lisa Trumble*
- ◆ Report and Potential Recommendation on the 2021 CREP Spending Authority  
*Responsible Party: Brian Loeffelholz*

### LWCB ADMINISTRATIVE MATTERS

- ◆ Approval of Proposed 2021 LWCB Annual Agenda  
*Responsible Party: LWCB Chair*
- ◆ *Review of the LWCB Bylaws*  
*Responsible Party: LWCB Chair*

### FARMLAND PRESERVATION PROGRAM (Scheduled if needed)

- ◆ Approval of Farmland Preservation Program Releases or Relinquishments  
*Responsible Party: Katy Smith*
- ◆ Review Farmland Preservation Program Agreement Appeals  
*Responsible Party: Katy Smith*

# NRCS Wisconsin Quarterly Update



## Environmental Quality Incentives Program

EQIP is the primary program available to farmers for farm and woodland conservation work, offering payments for over 90 basic conservation practices. Applications are accepted on a continuous year-round basis. Applications selected for funding have been obligated and practice implementation is underway.

## Special Opportunities

Some of the special funding opportunities available through EQIP include:

**Soil Health:** NRCS works with producers to improve soil health through sound principles and systems. For example, no-till, cover crops, diversifying the crop rotation, and managing nutrients and pesticide applications. Increasing soil health allows for improved soil organic matter, increased water infiltration, as well as better profits and crop yields.

**On-Farm Energy:** NRCS and producers develop Agricultural Energy Management Plans (AgEMP) or farm energy audits that assess energy consumption on an operation. Audit data is used to develop energy conservation recommendations.

**Organic:** NRCS helps certified organic growers, and producers working to achieve organic certification, install conservation practices to address resource concerns on organic operations.

**Seasonal High Tunnel (Hoop House):** NRCS helps producers plan and implement high tunnels - steel-framed, polyethylene-covered structures that extend growing seasons in an environmentally safe manner. High tunnel benefits include better plant and soil quality, fewer nutrients and pesticides in the environment, and better air quality due to fewer vehicles being needed to transport crops. Supporting conservation practices such as grassed waterways, and diversions are available to address resource concerns on operations with Seasonal High Tunnel structures.

**Honey Bee:** The upper Midwest is the resting ground for over 65 percent of commercially managed honey bees in the country. The NRCS is helping farmers and landowners implement conservation practices that will provide safe and diverse food sources for honey bees. Pasture management, wildlife habitat, and appropriate cover crops are used as tools to improve the health of our honey bees, which support more than \$15 billion worth of agricultural production.

NRCS Programs Financial Update			
Program		FY19	FY20 <sup>a</sup>
<b>Environmental Quality Incentives Program (EQIP)</b>	Financial Assistance Allocation	\$38.2 mil. <sup>b</sup>	\$17.1 mil. <sup>c</sup>
	Contracts	1,661 <sup>a</sup>	-
<b>Conservation Stewardship Program (CSP)</b>	Financial Assistance Allocation	\$18.2 mil.	\$21.7 mil.
	New Contracts	580	-
	Renewal Contracts	0	-
	Total Active Contracts	3,696	3,524
	New Acres	120,280	-
	Total Acres		-
<b>Agricultural Conservation Easement Program—Agricultural Land Easements (ACEP—ALE)</b>	Financial Assistance Allocation	\$1.9 mil.	\$343,000
	Agreements	13	-
	Parcels	13	-
	Acres	1,051	-
<b>Agricultural Conservation Easement Program—Wetland Reserve Easements (ACEP—WRE)</b>	Financial Assistance Allocation	\$1.1 mil.	\$3.4 mil.
	Easements	6	-
	Acres	451	-
<b>Regional Conservation Partnership Program (RCPP)</b>	Agreements	0	-

<sup>a</sup>Allocations are advisory and subject to change.  
<sup>b</sup>Includes initiatives and special funding.  
<sup>c</sup>Initiatives and special funding allocations have not been determined yet.

## Landscape Initiatives

NRCS is targeting conservation assistance to critical resources through a number of landscape scale initiatives. Applications for initiatives can be submitted at any time and are evaluated periodically for funding.

**Great Lakes Restoration Initiative:** Through GLRI, NRCS offers financial assistance to agricultural producers for implementing practices that improve water quality in selected watersheds. Financial assistance is available through EQIP and focuses on reducing nutrient and sediment delivery to surface water as well as controlling invasive species and improving wildlife habitat.

**National Water Quality Initiative:** NWQI is designed to help individual agricultural producers take actions to reduce the runoff of sediment, nutrients, and pathogens into waterways where water quality is a critical concern. The goal is to implement conservation practices in focused watersheds in a concentrated area so that agriculture no longer contributes to the impairment of water bodies within these priority watersheds. Eligible watersheds include Bear Lake - Little Wolf River in Waupaca County; and North Brach Little River in Oconto County.

**Mississippi River Basin Healthy Watershed:** Through MRBI, NRCS and its partners will help producers in selected watersheds in the Mississippi River Basin voluntarily implement conservation practices that avoid, control, and trap nutrient runoff; improve wildlife habitat; and maintain agricultural productivity. Designated subwatersheds within the Rush River basin in Pierce County are eligible.

**Regional Conservation Partnership Program:** RCPP promotes coordination between NRCS and its partners to deliver conservation assistance to producers and landowners. NRCS provides assistance to producers through partnership agreements and through program contracts or easement agreements. Current active projects for water quality improvement are located within the Oconomowoc River watershed, the Baraboo River watershed, the Milwaukee River watershed, and the Yahara River watershed. A project to improve water quantity and quality is located within the Little Plover River watershed. Projects to improve fish and wildlife habitat include monarch habitat statewide, stream and riparian habitat in the Driftless Area, as well as a project to improve young forest habitat for Golden-winged warblers in 20 northern Wisconsin counties. USDA is currently investing up to \$300 million in partner-driven conservation through RCPP. Eligible partners can currently submit proposals that will improve the nation's water quality, combat drought, enhance soil health, support wildlife habitat and protect agricultural viability. Partners may request between \$250,000 and \$10 million through this funding announcement. Proposals are due December 3, 2019.

## Agricultural Conservation Easement Program

With easement rules yet to be released for the 2018 Farm Bill, our focus has been on Emergency Watershed Protection Program Floodplain Easement (EWPP-FPE) rollout. WI was allocated \$7.8 million to

acquire easements and our first application deadline was September 30<sup>th</sup>. We have 98 applications for over \$40 million in requests. Project selection will occur in mid-November.

## Conservation Stewardship Program

CSP provides assistance to landowners who practice good stewardship on their land and are willing to take additional steps over the next five years to further enhance their stewardship efforts. Applications are accepted on a continuous year-round basis.

## Demonstration Farm Networks

NRCS in collaboration with federal, state, and local partners have established four demonstration farm networks located throughout Wisconsin. The projects showcase and demonstrate leading edge conservation practices that improve water quality by reducing phosphorus runoff. The four network areas include: Lower Fox Watershed; Door-Kewaunee Watershed, Ozaukee County; and Upper Fox—Wolf Basin. A new network for 2020 is planned called Between the Lakes. The agreement is planned with Calumet County in partnership with Fond du Lac, Manitowoc and Sheboygan Counties.

## Gov Delivery

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