

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ARRA_Project16 WTDP
Name: ARRA 16 Lake Mallalieu/Willow River TMDL Grant 2P-00E73201
Type: Grant Project
Subtype: ARRA Pass Through Project
Status: ACTIVE
Start Date: 01/21/2010
End Date: 06/30/2011
Purpose: Develop a TMDL implementation plan for Lake Mallalieu/Willow River.
Objective: Complete a TMDL Implementation Plan for the Willow River and Lake Mallalieu. This plan will outline a framework for implementing point and non-point source controls in the watershed that will reverse eutrophication of the lake and the Willow River. Using information gathered from previous monitoring in the watershed, DNR water quality planning databases will be updated for the Willow. The Area-wide Water Quality Management Plan will also be amended to include the Willow River water quality goals and limits.
Comments: DUNS #: _____ CCR#: _____
 Total project award: \$25,500
Outcome:

- o Area-wide Water Quality Plan amendment that implements the Willow River TMDL goals and loading limits.
- o Lake Mallalieu TMDL Implementation Plan developed with stakeholder input.
- o Mass cap limits for phosphorus to be incorporated in WPDES permits.
- o Road map for achieving non-point source reductions needed to achieve the TMDL goals.
- o Updated DNR basin planning databases for the Willow River watershed.

Project Statuses

Date	Reported By	Status	Comments
04/22/2010	KATHY BARTILSON	Active	Report provided by Kyle Kulow and uploaded by Kathy Bartilson
07/08/2010	KATHY BARTILSON	Progress: 0-25% Comple	Report provided by Kyle Kulow and uploaded by Kathy Bartilson
10/20/2010	MOLLI MACDONALD	Progress: 25-50% Compl	Provided by Kyle Kulow: We continue to work on an implementation strategy for the Lake Mallalieu/Willow River TMDL. We intend to have a "rough" draft of the TMDL Implementation Plan ready by March of 2011.
01/11/2011	MOLLI MACDONALD	Progress: 50-75% Compl	Report provided by Kyle Kulow: We are currently putting together the first three elements of a "draft" TMDL Implementation Plan. A timeline of the plan's development is as follows: <ul style="list-style-type: none"> - TMDL Element 1 proposed completion date: 01/29/2011 - TMDL Element 2 proposed completion date: 01/29/2011 - TMDL Element 3 proposed completion date: 04/29/2011 - TMDL Element 4 proposed completion date: 04/29/2011 - TMDL Element 5 proposed completion date: 01/29/2011 - TMDL Element 6 proposed completion date: 04/29/2011 - TMDL Element 7 proposed completion date: 05/20/2011 - TMDL Element 8 proposed completion date: 05/20/2011 - TMDL Element 9 proposed completion date: 06/01/2011 - Finished Lake Mallalieu/Willow River TMDL Plan proposed for 06/01/2011.
04/29/2011	MOLLI MACDONALD	Progress: 75-100% Com	Report provided by Kyle Kulow: St. Croix County has submitted an amendment request to WI DNR for the purpose of extending our grant deadline to June 30th, 2011, from an initial end date of April 30th, 2011. This report is therefore covering our County's activities as they relate to an "ongoing" effort to complete the TMDL Implementation Plan. Currently we have addressed all but element number 9 of TMDL implementation planning. This will be achieved in the coming weeks; with cooperation from WI DNR. A

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			rough draft of the implementation plan will be completed by late May and then reviewed by DNR. We hope to have WI DNR approval by June 30th of 2011, provided our TMDL is also submitted and approved by both EPA and WI DNR. An electronic copy of our grant extension requests' approval will be submitted with this quarterly report.

Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	Q2(Jan-Mar))
2. Amount expended this time period:	5718.75 (125 Hrs. @ \$45.75/Hr.)
3. Subcontracts or subgrants awarded this period:	none
4. Number work hours created or maintained to date:	682.5 Hrs.
5. Work accomplished this reporting period:	We've held two stakeholder meetings, in addition to two technical work group meetings. Furthermore, we've received our results from a "Lake Mallalieu Homeowner Lakeshore Survey", conducted with UW Extension cooperation. In addition, we've pulled 48 soil samples from parcels near and around Lake Mallalieu for the purpose of analyzing phosphorus levels. The results will be shared with the Lake Mallalieu Lake Association at their upcoming meeting scheduled for May 19th; with the goal of helping to educate landowners on proper lawn care and fertilizer application. We continue to work with the Discovery Farms program in an effort to share utilize data generated from in field monitoring. We hope to use this data to help us more accurately report our accomplishments of sediment and phosphorus reduction.
6. Work goals for coming reporting period:	Analyze and present soil sampling data to Lake Mallalieu residents at their Lake Association meeting. Complete a rough draft of the TMDL Implementation Plan by June 1st and submit to WI DNR for their review. Complete the analysis of the survey results which were recently received by staff, from UW Extension Specialists. Conduct a lakeshore assessment of Lake Mallalieu with WI DNR staff, for the purpose of assessing erosion and potential habitat development sites. Work with residents from the City of Hudson to implement a "Raingarden" educational program and event(s).
7. Overall project status:	We are currently putting together the first three elements of a ?draft? TMDL Implementation Plan. A timeline of the plan?s development is as follows: <ul style="list-style-type: none"> - TMDL Element 1 proposed completion date: 01/29/2011 - TMDL Element 2 proposed completion date: 01/29/2011 - TMDL Element 3 proposed completion date: 04/29/2011 - TMDL Element 4 proposed completion date: 04/29/2011 - TMDL Element 5 proposed completion date: 01/29/2011 - TMDL Element 6 proposed completion date: 04/29/2011 - TMDL Element 7 proposed completion date: 05/20/2011 - TMDL Element 8 proposed completion date: 05/20/2011 - TMDL Element 9 proposed completion date: 06/01/2011 - Finished Lake Mallalieu/Willow River TMDL Plan proposed for 06/01/2011.
8. WDNR Question: Job equivalent Created	

People

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Name	Role	Status	Start Date	End Date	Organization	Comments
BARTILSON, KATHY M	PROJECT_OFFIC	ACTIVE	10/03/2009		Wisconsin DNR	
Kulow, Kyle	COORDINATOR	ACTIVE	03/29/2010		St. Croix County	
SCHREIBER, KENNETH W	PROJECT_OFFIC	ACTIVE	10/03/2009		Wisconsin DNR	
SORGE, PATRICK W	PROJECT_OFFIC	ACTIVE	10/03/2009		Wisconsin DNR	
ST. CROIX COUNTY LCD,	GRANT_RECEIPI	ACTIVE	03/30/2010		ST. CROIX COUNTY LCD	

Actions

Action	Detailed Description	Start Date	End Date	Status
TMDL Approval		10/03/2009	12/31/2099	PROPOSED
TMDL Planning and Implementation	On agricultural lands, conservation tillage, lowering soil test phosphorus, nutrient management to match fertilizer addition to crop need, along with careful manure handling are important agricultural best management practices that will help achieve the non-point source reduction. Improved agricultural management practices are especially recommended for the headwaters reaches and tributaries of both the North and South Forks of the Willow.	10/06/2010		PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
2607100	1	Mallalieu Lake	Mallalieu Lake

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
ARRA Project 16, 2010 Lake Mallalieu Willow River TMDL Project Request ARRA funding	Project Descripton	St. Croix County	03/29/2010	
ARRA_16_Q1FFY11_Report			01/31/2011	

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Title	Description	Author	Published	Comments
ARRA_16_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_16_Q3FFY10_Report			07/30/2010	
ARRA_16_Q4FFY10_Report			11/01/2010	
Amendment to ARRA contract between DNR and St. Croix Co	Extension deadline amendment contract		04/29/2011	
Project 16 - Lake Mallalieu Willow River TMDL ARRA Contract	ARRA contract	Bartilson, Kathy	03/29/2010	

Budget

Code	Description	Quantity	Units	Unit Cost	Total Cost
Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost

Total SLOH Lab Costs: \$0.00