

## 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:** 04/30/2011  
**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"> <li>- TMDL Element 1 proposed completion date: 01/29/2011</li> <li>- TMDL Element 2 proposed completion date: 01/29/2011</li> <li>- TMDL Element 3 proposed completion date: 04/29/2011</li> <li>- TMDL Element 4 proposed completion date: 04/29/2011</li> <li>- TMDL Element 5 proposed completion date: 01/29/2011</li> <li>- TMDL Element 6 proposed completion date: 04/29/2011</li> <li>- TMDL Element 7 proposed completion date: 05/20/2011</li> <li>- TMDL Element 8 proposed completion date: 05/20/2011</li> <li>- TMDL Element 9 proposed completion date: 06/01/2011</li> <li>- Finished Lake Mallalieu/Willow River TMDL Plan proposed for 06/01/2011.</li> </ul>

### Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept)):	Q5 (Oct-Dec)
2. Amount expended this time period:	\$6748.12 (147.5 Hrs. @ \$45.75/Hr.)

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<b>Question</b>	<b>Answer</b>
3. Subcontracts or subgrants awarded this period:	none
4. Number work hours created or maintained to date:	557.5 Hrs. maintained
5. Work accomplished this reporting period:	Held one stakeholder meeting, one Lake Association meeting, and three technical review meetings. Completed survey questionnaire for Lake Mallalieu residents, We received data from our Ag Producer survey and presented that data to our stakeholders at our December stakeholder meeting. We will incorporate the data into our TMDL Implementation Plan. Staff delivered soil sampling material to Lake Mallalieu Lake Association members with expectations we will gather 50-75 samples from around Lake Mallalieu. To conclude, we continue to gather data for inclusion to our TMDL Implementation Plan. Currently we are addressing elements 1, 2 and 3.
6. Work goals for coming reporting period:	Continue the process of developing the TMDL Implementation Plan. Our goal to have it complete by June 1st, 2010. In addition, we intend on receiving results from our Lake residents' survey by the end of April, for inclusion into the plan. We also hope to have our soil sampling done around Lake Mallalieu.
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"> <li>- TMDL Element 1 proposed completion date: 01/29/2011</li> <li>- TMDL Element 2 proposed completion date: 01/29/2011</li> <li>- TMDL Element 3 proposed completion date: 04/29/2011</li> <li>- TMDL Element 4 proposed completion date: 04/29/2011</li> <li>- TMDL Element 5 proposed completion date: 01/29/2011</li> <li>- TMDL Element 6 proposed completion date: 04/29/2011</li> <li>- TMDL Element 7 proposed completion date: 05/20/2011</li> <li>- TMDL Element 8 proposed completion date: 05/20/2011</li> <li>- TMDL Element 9 proposed completion date: 06/01/2011</li> <li>- Finished Lake Mallalieu/Willow River TMDL Plan proposed for 06/01/2011.</li> </ul>
8. WDNR Question: Job equivalent Created	

### People

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_RECIPII	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	10/06/2010		PROPOSED

## Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start Date	End Date	Status
	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.			

### 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		St. Croix County	03/29/2010	
ARRA_16_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_16_Q3FFY10_Report			07/30/2010	
ARRA_16_Q4FFY10_Report			11/01/2010	
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
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Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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Total SLOH Lab Costs: \$0.00