

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ARRA\_Project16 ATTAINS  
**Name:** ARRA 16 Lake Mallalieu/Willow River TMDL Grant 2P-00E73201  
**Type:** TMDL/303d Projects  
**Subtype:** Monitor Listed Waters  
**Status:** COMPLETE  
**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.

**Study Design:**

**QA Measures:**

### People

| Name                  | Role          | Status   | Start Date | End Date | Organization            | Comments |
|-----------------------|---------------|----------|------------|----------|-------------------------|----------|
| BARTILSON, KATHY M    | PROJECT_OFFI  | ACTIVE   | 10/03/2009 |          | Wisconsin DNR           |          |
| Kulow, Kyle           | COORDINATOR   | ACTIVE   | 03/29/2010 |          | St. Croix County        |          |
| SCHREIBER, KENNETH W  | PROJECT_OFFI  | ACTIVE   | 10/03/2009 |          |                         |          |
| ST. CROIX COUNTY LCD, | GRANT_RECIPII | ACTIVE   | 03/30/2010 |          | ST. CROIX COUNTY<br>LCD |          |
| Sorge, Patrick W      | PROJECT_OFFI  | COMPLETE | 10/03/2009 |          | Wisconsin DNR           |          |

### 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% Complete  | Report provided by Kyle Kulow and uploaded by Kathy Bartilson   |
| 10/20/2010 | MOLLI MACDONALD | Progress: 25-50% Complete | Provided by Kyle Kulow: We continue to work on an implementation strategy fro 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% Complete | Report provided by Kyle Kulow:<br>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:<br><br><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</li> </ul> |

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| Date       | Reported By     | Status                     | Comments   |
|------------|-----------------|----------------------------|--|
|            |                 |                            | 06/01/2011.  |
| 04/29/2011 | MOLLI MACDONALD | Progress: 75-100% Complete | 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 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. |
| 08/08/2011 | MOLLI MACDONALD | Complete                   | Report provided by Kyle Kulow: We wait for approval of the Lake Mallalieu/Willow River TMDL which will result in our local staff applying for implementation grant dollars; primarily for the purpose of reducing and or eliminating various sources of phosphorus throughout the watershed.   |

### Actions

| Action              | Detailed Description  | Start      | End Date | Status      |
|---------------------|---|------------|----------|-------------|
| TMDL 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 |          | IN_PROGRESS |

### Monitoring Stations

| Station ID | Name | Comments |
|------------|------|----------|
|------------|------|----------|

### Assessment Units

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

### Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

### Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

### Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

### Fieldwork Events

## Wisconsin Department of Natural Resources SWIMS Project Summary

| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

### 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_FinalQuarterlyReport  | Grant Report                          |   | 12/01/2011 |          |
| ARRA_16_Q1FFY11_Report  | Grant Report                          |   | 01/31/2011 |          |
| ARRA_16_Q2FFY10_Report  |                                       | Wdnr  | 04/28/2010 |          |
| ARRA_16_Q2FFY11_Report  | Grant Report                          |   | 04/29/2011 |          |
| ARRA_16_Q3FFY10_Report  | Grant Report                          |   | 07/30/2010 |          |
| ARRA_16_Q3FFY11_Report  | Grant Report                          |   | 08/01/2011 |          |
| ARRA_16_Q4FFY10_Report  | Grant Report                          |   | 11/01/2010 |          |
| Amendment to ARRA contract between DNR and St. Croix Co                             | Extension deadline amendment contract | WDNR  | 04/29/2011 |          |
| DRAFT Lake Mallalieu / Willow River TMDL Implementation Plan                        | TMDL Implementation Plan              | St. Croix County Land and Water Conservation Department, WDNR | 02/03/2012 |          |
| Project 16 - Lake Mallalieu Willow River TMDL ARRA Contract                         | ARRA contract                         | Bartilson, Kathy  | 03/29/2010 |          |

### Budget

**Combined Budgets:**  
**Combined SLOH:**  
**Combined Total:**

### Funding

| Organization | Source | Type | Amount | Start Date | End Date |
|--------------|--------|------|--------|------------|----------|
|--------------|--------|------|--------|------------|----------|