

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ARRA\_Project8 WTDH

**Name:** ARRA 8 Upper Fox River Pool Monitoring Project Grant 2P-00E73201

**Type:** Grant Project

**Subtype:** ARRA In-House Project

**Status:** COMPLETE

**Start Date:** 02/01/2009

**End Date:** 12/31/2010

**Purpose:** Monitoring activities related to the Upper Fox River TMDL.

**Objective:** The development of a TMDL to address the phosphorus and sediment loading to Lake Winnebago is necessary because 50% of the nutrient and sediment load to the Lower Fox River is directly from Lake Winnebago. In order for the Lower Fox TMDL (currently in development) to meet its goals, reducing the pollutant load from Lake Winnebago is critical.

The Objective of this project is to address phosphorus and sediment loading from the Upper Fox River Basin to Lake Winnebago, and therefore support the work of the Lower Fox River Basin TMDL. This will be the second of three years of data needed to accurately model the sediment and phosphorus loading to Lake Winnebago.

**Comments:** DUNS #: \_\_\_\_\_  
CCR#: \_\_\_\_\_  
Total Amount; \$35,000

**Outcome:** There are 11 sample sites total between the 9 waterbodies that will be sampled at varying sampling schedules:

On the Fond du Lac River, Montello River, and Waukau Creek, bi-weekly surface water samples will be collected from March to November, and monthly from December to February and analyzed for total suspended solids, total phosphorus, and total dissolved phosphorus..

On the Fox and Puchyan Rivers, weekly samples will be collected from March 1 to June30, and bi-weekly July 1 to February 28.

On lakes Poygan, Butte des Morts, and Winneconne, samples will be collected at one site on each lake bi-weekly from May 1 to Sept. 30, and 1 time beneath the ice in February. Lake Winnebago will have three sites sampled on it during the same sampling schedule as the other lakes. Lake surface water samples will be analyzed for ammonia, total phosphorus, total dissolved phosphorus, total kjeldahl nitrogen, and chlorophyll-a.

Event samples will be collected by automated samplers installed on the Montello River, and Fond du Lac River. This project estimates that 20 event samples will be collected this year at each site.

USGS will maintain the flow gauges installed on the Montello River, Puchyan River, Fox River, Waukau Creek, and Fond du Lac River. At the end of the year USGS will use the sample data and flow data to estimate phosphorus and sediment loads for each waterbody.

The deliverable from this project is the second of three years of monitoring data needed to accurately model the sediment and phosphorus loading from the Upper Fox Basin into Lake Winnebago.

Flow gauging is contracted through USGS.

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
CLAYTON, NICOLE L	PROJECT_OFFI	ACTIVE	10/03/2009		Wisconsin DNR	
GILBERTSON, MICHAEL A	COORDINATOR	ACTIVE	10/03/2009	12/31/2099	Wisconsin DNR	
McLennan, Robin	PROJECT_OFFI	ACTIVE	10/03/2009		Wisconsin DNR	
USGS,	GRANT_RECII	ACTIVE	10/03/2009		U.S. Geological Survey	

### Project Statuses

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Date	Reported By	Status	Comments
04/01/2010	MICHAEL GILBERTSON	Active	Funding for stream flow gauging in the Upper Fox River Basin for 1 year. USGS flow gauges are installed and operating with continuous USGS personnel support.
07/30/2010	MICHAEL GILBERTSON	Active	USGS Flow gauges are installed and operating with continuous USGS personnel support.
10/13/2010	MICHAEL GILBERTSON	Active	USGS Flow gauges are installed and operating with continuous USGS personnel support.
01/14/2011	MICHAEL GILBERTSON	Complete	

### 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:	
3. Subcontracts or subgrants awarded this period:	None
4. Number work hours created or maintained to date:	
5. Work accomplished this reporting period:	Yes, all work associated with running and maintaining the flow gauges has been accomplished
6. Work goals for coming reporting period:	Operation of the supported flow gauges is complete.
7. Overall project status:	Complete
8. WDNR Question: Job equivalent Created	

### Actions

Action	Detailed Description	Start	End Date	Status
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### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

WBIC	Segment	Local Name	Official Name
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### 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 8 2009 Contract with USGS	USGS Contract	Wdnr	02/06/2010	
ARRA Project 8 Upper Fox	Project Description	Wdnr	06/01/2009	

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<b>Title</b>	<b>Description</b>	<b>Author</b>	<b>Published</b>	<b>Comments</b>
River Pool Monitoring 2009 Project Description				
ARRA_8_Q1FFY11_Report			01/31/2011	
ARRA_8_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_8_Q2FFY11_Report			04/29/2011	
ARRA_8_Q3FFY10_Report			07/30/2010	
ARRA_8_Q4FFY10_Report			01/03/2011	

### Budget

Combined Budgets:

Combined SLOH:

### Funding

<b>Organization</b>	<b>Source</b>	<b>Type</b>	<b>Amount</b>	<b>Start Date</b>	<b>End Date</b>
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