

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: ACTIVE
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.

Project Statuses

| 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. |

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: | |

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| Question | Answer |
|---|---|
| 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: | Continue the operation of the flow gauges. |
| 7. Overall project status: | In progress and successful. |
| 8. WDNR Question: Job equivalent Created | |

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_RECIPII | ACTIVE | 10/03/2009 | | U.S. Geological Survey | |

Actions

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

Monitoring Stations

| Station I | Name | Comments |
|-----------|------|----------|
|-----------|------|----------|

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|------|---------|------------|---------------|
|------|---------|------------|---------------|

Lab Account Codes

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

Forms

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

Methods

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

Fieldwork Events

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

Documents

| Title | Description | Author | Published | Comments |
|---|---------------------|--------|------------|----------|
| ARRA 8 2009 Contract with USGS | USGS Contract | WDNR | 02/06/2010 | |
| ARRA Project 8 Upper Fox River Pool Monitoring 2009 Project Description | Project Description | WDNR | 06/01/2009 | |

Budget

| Code | Description | Quantity | Units | Unit Cost | Total Cost |
|------|-------------|----------|-------|-----------|------------|
|------|-------------|----------|-------|-----------|------------|

April 28, 2010

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| Test Code | Description | Test Group | # Planned | Unit Cost | Total Cost |
|-----------|-------------|------------|-----------|-----------|------------|
|-----------|-------------|------------|-----------|-----------|------------|

Total SLOH Lab Costs: \$0.00