

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

<b>Project ID:</b>	WCR_14_CMP12
<b>Name:</b>	WCR_14_CMP12 - Citizen Based Stream Monitoring - S.F. Lemonweir River
<b>Type:</b>	Citizen Based Stream Monitoring
<b>Subtype:</b>	Volunteer Monitoring
<b>Status:</b>	ACTIVE
<b>Start Date:</b>	07/01/2011
<b>End Date:</b>	06/30/2012
<b>Purpose:</b>	The Water Action Volunteers Program involves citizen monitors in the process of collecting water quality data used by the DNR to assist in making management decisions. Goals of the program include collecting high quality data that can be used for management decisions, building relationships between DNR staff and citizen monitors, and assessing areas in need of additional monitoring, restoration and/or protection. Ultimately, volunteer participation in this project aids DNR staff by allowing for increased capabilities to monitor streams. Communities and the DNR can use this water quality information to make decisions that affect the management of streams throughout Wisconsin.
<b>Objective:</b>	Data collected by Water Action Volunteers can be used by DNR staff as screening tools. The process of data collection helps Wisconsin citizenry enhance their understanding of data collection and in many cases, move to more sophisticated data collection work including biological and additional physical site data..
<b>Comments:</b>	Which category applies (leave that one and delete the others) Project Category 1: EPA Performance Measure SP 12 Project Category 2: 303(d) Impaired Waters List Project Category 3: Continuation of FY2010 Special Projects Project Category 4: New Projects
<b>Outcome:</b>	Performance Measures include 1) the collection and analysis of 12 stream total phosphorus samples during a summer and winter base flow and during two growing season run-off events and 2) the collection of 8 additional in-lake water quality sampling events (one in July and August and two sampling events in Sept, Oct and Nov). A final report detailing the watershed and in-lake nutrient information will be produced in partnership with the Tomah Lake Committee and Monroe County LCD late 2012.
<b>Study Design:</b>	The Level 2 stream monitoring sampling plan is consistent with statewide baseline monitoring guidelines laid out in the DNR's Water Resources Monitoring Strategy for Wisconsin. <ul style="list-style-type: none"> <li>• DNR or county staff recommends sites that could be useful to have monitored based on needs to acquire status or trends information, or other types of monitoring that is priority.</li> <li>• Volunteers are asked to monitor, at least, from May through September</li> <li>• Volunteers choose primary (P) and secondary (S) sampling dates in advance and note on their data sheets on which of those dates they monitored.</li> <li>• Volunteers are asked to sample on the primary date unless there are safety concerns about being at the stream site (e.g., tornado, lightning, dangerously high flows) or a family emergency.</li> <li>• The goal is to monitor at the same time each month, preferably 30 days apart from the last monitoring visit.</li> <li>• Volunteers are instructed to enter data by the end of each month.</li> </ul> <p>Parameters Measured:</p> <ul style="list-style-type: none"> <li>• Dissolved oxygen (concentration)</li> <li>• Dissolved oxygen (saturation)</li> <li>• Transparency</li> <li>• Temperature (instantaneous and continuous measurements)</li> <li>• pH.</li> </ul>
<b>QA Measures:</b>	Program Coordinator or Local Coordinators visit with 10% of volunteer stations annually to conduct side-by-side monitoring of dissolved oxygen and pH, using his/her own meter to check that volunteers are calibrating meters and following methods correctly, to ensure the equipment is functioning properly, and to answer any questions or concerns. The Data Managers run monthly database queries throughout the field season to evaluate the quality of data entered into the database and follow-up with volunteers to address anomalies that are identified.

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Baker, Bruce	TEAM_MEMBER	ACTIVE	08/22/2012		Lake Tomah Committee	
Burnham, Hal	TEAM_MEMBER	ACTIVE	08/22/2012		Tomah Lake Committee	
HELSEL, DANIEL R	COORDINATOR	ACTIVE	07/01/2011	06/30/2012	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
05/09/2012	MOLLI MACDONALD	Proposed	This project never got off the ground due to workload issues.

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Date	Reported By	Status	Comments
			Most of money on project not spent - 8%.

### Actions

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

Station ID	Name	Comments
10032249	Chub Creek	
10020854	Creek 30-5 (Linnehan Valley) St. 1 Interior Rd. Crossing	
423126	Lake Tomah - Deep Hole	
10016880	So Fork Lemonweir River - 30 Ft Above Bridge On 21st Drive	
10011306	South Fork Lemonweir River - S.Fk. Lemonweir River Station #1 Bridge On Cth Cm	
10011307	South Fork Lemonweir River - S.Fk. Lemonweir River Station #2 Fenceline Upstream Of Bridge On Heritage Rd.	
10032250	Unnamed	
10007762	Unnamed Creek 5-7 at Gondola Road	
10032255	Unnamed South Trib Lemonweir River	
10032254	Unnamed Trib - 40 ft Right of Golden Rd	
10032253	Unnamed Trib - Below Hazel Ave	
10032251	Unnamed Trib above Indigo Ave	
10032252	Unnamed Trib at July Rd	
10032248	Unnamed Trib on Unnamed Road right of Hedge Rd	

### Assessment Units

WBIC	Segment	Local Name	Official Name
1338500	3	South Fork Lemonweir River	South Fork Lemonweir River
1342100	1	Tomah Lake	Lake Tomah
1342200	1	West Trib to Lake Tomah	Unnamed
1342300	1	Chub Cheek	Chub Creek
1342400	1	Local Water	Unnamed
1342500	1	Local Water	Unnamed
1342600	1	Local Water	Unnamed
5025308	1	Local Water	Unnamed
5025446	1	Local Water	Unnamed
5026093	1	Local Water	Unnamed
5026217	1	Local Water	Unnamed

### Lab Account Codes

Account Code	Description	Start Date	End Date
SS013	ISS MISC	08/21/2000	12/31/2099
WT134	CITIZEN RIVER MONITORING	07/01/2011	06/30/2012

### Forms

Form Code	Form Name
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### Methods

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### Method Code                      Description

#### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
09/08/2011 13:00	COMPLETE	SEPT	423126	Lake Tomah - Deep Hole
10/01/2011	COMPLETE	OCTOBER	423126	Lake Tomah - Deep Hole
10/27/2011 15:00	COMPLETE	OCTOBER	423126	Lake Tomah - Deep Hole
05/13/2015 12:09	COMPLETE	LR1	10011306	South Fork Lemonweir River - S.Fk. Lemonweir River Station #1 Bridge On Cth Cm
05/26/2015 15:25	COMPLETE	LR1	10011306	South Fork Lemonweir River - S.Fk. Lemonweir River Station #1 Bridge On Cth Cm
06/08/2015 15:45	COMPLETE	LR1	10011306	South Fork Lemonweir River - S.Fk. Lemonweir River Station #1 Bridge On Cth Cm

#### Documents

Title	Description	Author	Published	Comments
Tomah Watershed TP	Total phosphorus concentrations in Lake Tomah watershed during winter base flow conditions	helsel	01/05/2011	

#### Budget

**Budget Description:** Budget for WCR\_14\_CMP12 - Citizen Based Stream Monitoring - S.F. Lemonweir River      **Start Date:** 07/01/2011      **End Date:** 06/30/2012

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	\$0.00	\$0.00	Training and field support
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies	12		\$13.00	\$156.00	Shipping
MILEAGE	Mileage	120	Miles	\$0.72	\$86.40	Field support and training by DNR staff
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$86.40	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment	1		\$1,100.00	\$1,100.00	550A DO/Temp meter w/membrane kit and case
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,342.40	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I251UNL	CHLOROPHYLL A, FLUORESCENCE (EPA 445.00)	INORGANIC CHEMISTRY	8	\$24.52	\$196.16
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	56	\$23.60	\$1,321.60
I720BLT	FIELD TESTS	INORGANIC CHEMISTRY	64	\$6.36	\$407.04

**Total SLOH Lab Costs:**            \$1,924.80  
**Total Budget:**                        \$3,267.20

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:** \$1,342.40  
**Combined SLOH:** \$1,924.80  
**Combined Total:** \$3,267.20

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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