

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** SCR\_04\_CMP15  
**Name:** Pecatonica River Large River Survey - SCR\_04\_CMP15  
**Type:** Competitive Projects  
**Subtype:** Undetermined  
**Status:** ACTIVE  
**Start Date:** 07/01/2015  
**End Date:** 06/30/2016  
**Purpose:** Conduct large river monitoring on the East, West, and mainstem of the Pecatonica River at 10 locations.

This project will be used to determine the feasibility of water resources to routinely monitor non-wadable sections of river systems. These systems, while making up a large part of our water resources, are virtually unmonitored. It will be used to determine a protocol for developing biocriteria for river systems and will be used for updating the status of the state's water quality in accordance with section 305(b) of the Clean Water Act.

**Objective:** The data gathered will be used as an indicator of overall water quality and watershed health on a HUC 8 scale. Develop protocol for assessing the health of non-wadable river sections via biological and chemical monitoring through the use of established and new protocols.

**Comments:** This effort will look at characterizing the non-wadable portions of the Pecatonica River system, determine the health of the biological community, assess designated uses, and identify potential impacts affecting the system. Such a comprehensive look at this system has never been done before.

**Outcome:** New. One year project.  
 10 sites will be assessed: 2 on the mainstem Pecatonica River and 4 on each of the 2 branches. Macroinvertebrate and diatom data will be collected in order to correlate biologic metrics with phosphorus data.

Data will be collected during the field season of the 2015 calendar year.

Data will be entered into the FH database and SWIMS. All data will be entered into the respective database by Dec. 2015 or as soon as it becomes available.

**Study Design:** Conduct large river electrofishing surveys at a total of 10 sites on the East, West, and mainstem of the Pecatonica River.

Collect 5 macroinvertebrate samples (2 each on east and west branches, and 1 on mainstem) using Hester Dendy samplers.

Collect 6 growing season phosphorus samples from a total of 4 sites of the east and west branches of Pecatonica River (LTT site already on main branch).

Collect 5 diatom samples from those same sites for P confirmation.

**QA Measures:** All data collection will be done according to approved DNR methods and protocols.

Lyons large river IBI  
 Weigel's non-wadable macroinvertebrate IBI  
 Phosphorus collected according to WisCALM.

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
ALBRIGHT, LINDSEY B	COORDINATOR	ACTIVE	04/24/2015		Wisconsin DNR	
AMRHEIN, JAMES F	PROJECT_LEAD	ACTIVE	07/01/2015	06/30/2016	Wisconsin DNR	
SEARLE, GREGORY S	SUPERVISOR	ACTIVE	07/01/2015	06/30/2017	Wisconsin DNR	
SORGE, MICHAEL J	PROJECT_LEAD	ACTIVE	07/01/2015	06/30/2016	Wisconsin DNR	
Simmons, Sam	TEAM_MEMBER	ACTIVE	06/15/2015			
Stepenuck, Kris	COORDINATOR	ACTIVE	04/24/2015		UWEX	

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### Project Statuses

Date	Reported By	Status	Comments
01/28/2015	JAMES AMRHEIN	Proposed	

### Project Status Detail

**Answer Set: DEFAULT**

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	10 fish sites 4 phosphorus sites (+ LTT site) 5 macroinvertebrate sites 5 diatom sites
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	12
3. Proposed Dates for Sample Collection	Field season, 2015
4. List applicable databases and who will enter data?	Fish and habitat database and SWIMS. Project leads will oversee data entry.
5. Did you receive competitive projects funding in the previous year?	Yes
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	UGDR!
7. Reviewer Notes: Identify questions or issues with project (use during review period)	
8. Reviewer Decision: Is this project recommended for funding?	

### Actions

Action	Detailed Description	Start	End Date	Status
Monitor Fish Community		*****	06/30/2016	PROPOSED
Monitor Watershed (Status,Sources,Impairments)		*****	06/30/2016	PROPOSED
Monitor with Baseline Survey		*****	06/30/2016	PROPOSED
Comprehensive Planning Studies		*****	06/30/2016	PROPOSED
Watershed Planning		*****	06/30/2016	PROPOSED

### Monitoring Stations

Station ID	Name	Comments
10030499	East Branch Pecatonica River at Cisserville Road	
333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville	
333029	Pecatonica River - Sth 176 S.Wayne	
10012618	Pecatonica River -- Argyle Boat Landing (Hwy 81)	
10020031	Pecatonica River -- Blackhawk Memorial Park Access	
10037866	Pecatonica River -- Darlington -- Piggly Wiggly Boat Launch	
10017756	Pecatonica River -- Highway 78 Landing	
10018370	Pecatonica River -- Pecatonica Bridge at STH 11	
10020028	Pecatonica River -- Sargent Rd Access	
10017965	Pecatonica River -- Woodford Canoe Launch (County M)	
233002	Pecatonica River at Martintown WI	
10030500	Pecatonica River at Walnut Road	

### Assessment Units

## Wisconsin Department of Natural Resources SWIMS Project Summary

WBIC	Segment	Local Name	Official Name
888800	1	Un Lake	Unnamed
889100	1	Pecatonica River	Pecatonica River
894500	1	Skinner Creek	Skinner Creek
897800	1	E. Br. Pecatonica River	East Branch Pecatonica River
897800	2	E. Br. Pecatonica River	East Branch Pecatonica River
899400	1	Trotter Branch	Trotter Br
902200	1	Local Water	Unnamed

### Lab Account Codes

Account Code	Description	Start Date	End Date
WQ015	LOCAL NEEDS PROJECTS	04/22/2015	06/30/2016

### 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
05/17/2015 09:40	COMPLETE	PRWR-2015-5	10030500	Pecatonica River at Walnut Road
05/25/2015 13:45	COMPLETE	PRWS-2015-5	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
05/30/2015 18:00	COMPLETE	PRCR-2015-5	10030499	East Branch Pecatonica River at Cisserville Road
05/30/2015 18:30	COMPLETE	PR176-2015-5	333029	Pecatonica River - Sth 176 S.Wayne
06/14/2015 09:50	COMPLETE	PRWR-2015-6	10030500	Pecatonica River at Walnut Road
06/21/2015 18:00	COMPLETE	PR176-2015-6	333029	Pecatonica River - Sth 176 S.Wayne
06/21/2015 18:00	COMPLETE	PRCR-2015-6	10030499	East Branch Pecatonica River at Cisserville Road
06/23/2015 11:59	COMPLETE	PRWS-2015-6	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
07/12/2015 11:35	COMPLETE	PRWR-2015-7	10030500	Pecatonica River at Walnut Road
07/20/2015 10:30	COMPLETE	PRWS-2015-7	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
07/23/2015	COMPLETE		10030499	East Branch Pecatonica River at Cisserville Road
07/23/2015	COMPLETE		10030500	Pecatonica River at Walnut Road
07/23/2015	COMPLETE		333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
07/23/2015	COMPLETE	20151013-13-05	10020028	Pecatonica River -- Sargent Rd Access
07/31/2015 15:15	COMPLETE	PR176-2015-7	333029	Pecatonica River - Sth 176 S.Wayne
07/31/2015 15:30	COMPLETE	PRCR-2015-7	10030499	East Branch Pecatonica River at Cisserville Road
08/10/2015	COMPLETE	PRWR-W15-8	10030500	Pecatonica River at Walnut Road
08/16/2015 16:00	COMPLETE	PR176-2015-8	333029	Pecatonica River - Sth 176 S.Wayne
08/16/2015 16:30	COMPLETE	PRCR-2015-8	10030499	East Branch Pecatonica River at Cisserville Road
08/18/2015 11:20	COMPLETE	PRWS-W15-8	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
09/07/2015 09:35	COMPLETE	PRWR-2015-9	10030500	Pecatonica River at Walnut Road
09/13/2015 15:45	COMPLETE	PRCR-2015-9	10030499	East Branch Pecatonica River at Cisserville Road
09/13/2015 16:00	COMPLETE	PR176-2015-9	333029	Pecatonica River - Sth 176 S.Wayne
09/19/2015 11:35	COMPLETE	PRWS-2015-9	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville

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Start Date	Status	Field ID	Station ID	Station Name
10/11/2015 10:20	COMPLETE	PRWR-2015-10	10030500	H) Blanchardville Pecatonica River at Walnut Road
10/17/2015 15:15	COMPLETE	PRWS-2015-10	333249	Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville
10/24/2015 14:00	COMPLETE	PR176-2015-10	333029	Pecatonica River - Sth 176 S.Wayne
10/24/2015 14:00	COMPLETE	PRCR-2015-10	10030499	East Branch Pecatonica River at Cisserville Road

### Documents

Title	Description	Author	Published	Comments
2015 Total Phosphorus Monitoring Report - East Branch Pecatonica River at Cisserville Road	As part of this project, Water Action Volunteers stream monitors collected water samples at monitoring locations along the east, west, and mainstem of the Pecatonica River. These systems, while making up a large part of our water resources, are virtually unmonitored. It will be used to determine a protocol for developing biocriteria for river systems and will be used for updating the status of the state's water quality in accordance with section 305(b) of the Clean Water Act. The data gathered will be used as an indicator of overall water quality and watershed health on a HUC 8 scale.	Lindsey Albright and Ilana Haimes	12/23/2015	
2015 Total Phosphorus Monitoring Report - Pecatonica R East Branch - Foot Bridge Off Water St (Cth H) Blanchardville	As part of this project, Water Action Volunteers stream monitors collected water samples at monitoring locations along the east, west, and mainstem of the Pecatonica River. These systems, while making up a large part of our water resources, are virtually unmonitored. It will be used to determine a protocol for developing biocriteria for river systems and will be used for updating the status of the state's water quality in accordance with section 305(b) of the Clean Water Act. The data gathered will be used as an indicator of overall water quality and watershed health on a HUC 8 scale.	Lindsey Albright and Ilana Haimes	12/21/2015	
2015 Total Phosphorus Monitoring Report - Pecatonica River - Sth 176 S.Wayne	As part of this project, Water Action Volunteers stream monitors collected water samples at monitoring locations along the east, west, and mainstem of the Pecatonica River. These systems, while making up a large part of our water resources, are virtually unmonitored. It will be used to determine a protocol for developing biocriteria for river systems and will be used for updating the status of the	Lindsey Albright and Ilana Haimes	12/23/2015	

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Title	Description	Author	Published	Comments
	state's water quality in accordance with section 305(b) of the Clean Water Act. The data gathered will be used as an indicator of overall water quality and watershed health on a HUC 8 scale.			
2015 Total Phosphorus Monitoring Report - Pecatonica River at Walnut Road	As part of this project, Water Action Volunteers stream monitors collected water samples at monitoring locations along the east, west, and mainstem of the Pecatonica River. These systems, while making up a large part of our water resources, are virtually unmonitored. It will be used to determine a protocol for developing biocriteria for river systems and will be used for updating the status of the state's water quality in accordance with section 305(b) of the Clean Water Act. The data gathered will be used as an indicator of overall water quality and watershed health on a HUC 8 scale.	Lindsey Albright and Ilana Haimes	12/23/2015	

### Budget

**Budget Description:** FY2016 **Start Date:** 07/01/2015 **End Date:** 06/30/2016

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	272	Hours	\$0.00	\$0.00	(10 trips x 3 FTE x 8 hrs/day) + (2 trips x 2 FTE x 8 hrs/day)
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	15		\$34.00	\$510.00	Hester Dendy Samplers
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	1440	Miles	\$0.72	\$1,036.80	12 trips x 120 miles/trip
MEAL	Meals	36	Meals	\$4.00	\$144.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$1,180.80	
BUG	Bug Contracts	5		\$555.00	\$2,775.00	Non-wadable macroinvert analysis
OTHER	Other Contracts	5		\$200.00	\$1,000.00	Diatom analysis
USGS	USGS Costs				\$0.00	
<b>TOTAL</b>	<b>Total Cost (excludes SLOH)</b>				<b>\$5,465.80</b>	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
<b>Total SLOH Lab Costs:</b>				\$0.00	
<b>Total Budget:</b>				\$5,465.80	

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Budget Description:** FY2017 **Start Date:** 07/01/2016 **End Date:** 06/30/2017

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
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				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage		Miles	\$0.72	\$0.00	
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$0.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$0.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
<b>Total SLOH Lab Costs:</b>				\$0.00	
<b>Total Budget:</b>				\$0.00	
<b>Combined Budgets:</b>				\$5,465.80	
<b>Combined SLOH:</b>				\$0.00	
<b>Combined Total:</b>				\$5,465.80	

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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