

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** SCR\_05\_CMP14  
**Name:** Mason Creek 303d listed water  
**Type:** TMDL/303d Projects  
**Subtype:** Identify Impaired Waters  
**Status:** ACTIVE  
**Start Date:** 04/01/2014  
**End Date:** 12/31/2014  
**Purpose:** The purpose of the project is to monitor and evaluate portions of Mason Creek and its tributaries in Waukesha and Washington Counties. Mason Creek is currently 303d listed for pollutants including total phosphorus and sediment/total suspended solids, with impairments including low DO, degraded habitat and elevated Temperatures and yet it is still listed as a Class I Trout stream. It is also part of the Rock River TMDL area.

CBSM volunteers currently collected data at multiple stations along the stream and have concerns with high turbidity even during drought periods. This project will also be used to augment the Mason Creek Watershed Protection Plan that Southeastern Wisconsin Regional Planning Commission (SEWRC) in conjunction with other local stakeholders are completing this year. Mason Creek and its tributaries drain to North Lake and are of particular concern to water quality of the lake and the water quality of the streams themselves.

**Objective:** The data are necessary to determine whether these streams are achieving their attainable uses in order to update the watershed tables, list segments of the waterbody that are not meeting their attainable uses, and assess the overall health of the watershed as required by Section 303(d) of the Clean Water Act. This will also provide a current baseline for any of the protection measures the local stakeholders plan to implement from the Protection Plan that will be created in conjunction with this work. Fisheries, water chemistry, quantitative habitat, continual temperature monitoring and macroinvertebrate data will be collected up to 4 sites on Mason Creek and one of its tributaries to help augment the data SEWRPC is collecting. The waterbody WBICs that will be sampled are Mason Creek (851100) and Unnamed Tributary to Mason Creek (851200). Current and new volunteers will be utilized to help with collecting samples where available. Currently level 2 CBSM monitoring has occurred on portions of Mason Creek.

**Comments:** New

**Outcome:** Fishery, water chemistry, quantitative habitat, and macroinvertebrate data will be collected on 3 sites on Mason Creek and 1 site on a tributary to Mason Creek. The four sites will be reconned, and stations will be established early during the field season. Data will be collected during the field season of the 2014 calendar year. Data will be entered into the FH database and SWIMS in 2014. These data will be analyzed in late 2014 through early 2015. This information will help augment the Mason Creek Protection Plan that SEWRPC is developing this year. This information will also help provide a baseline of data for when the very enthusiastic local stakeholders start implementing protective measures for Mason Creek.

**Study Design:**  
**QA Measures:**

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	TEAM_MEMBER	COMPLETE	04/01/2014	12/31/2014	Wisconsin DNR	
SABRE, RACHEL A	COORDINATOR	COMPLETE	04/01/2014	12/31/2014	Wisconsin DNR	
SEARLE, GREGORY S	SUPERVISOR	COMPLETE	04/01/2014	12/31/2014	Wisconsin DNR	

### Project Statuses

Date	Reported By	Status	Comments
12/09/2013	RACHEL SABRE	Proposed	
09/25/2014	RACHEL SABRE	Progress: 50-75% Complete	Completed fish, habitat and water sampling. Need to go back in October and collect macroinvertebrates
12/01/2014	RACHEL SABRE	Progress: 75-100% Complete	Have collected all data for 2014 season. Need to deliver bug samples to Stevens Point lab still. Will deliver before Dec 15, 2014 as required.
08/25/2015	RACHEL SABRE	Progress: 75-100% Complete	draft Mason Creek Report to be submitted soon from SEWRPC

### Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Monitor Water Quality or Sediment	The purpose of the project is to monitor and evaluate portions of Mason Creek and its tributaries in Waukesha and Washington Counties. Mason Creek is currently 303d listed for pollutants including total phosphorus and sediment/total suspended solids, with impairments including low DO, degraded habitat and elevated Temperatures and yet it is still listed as a Class I Trout stream. It is also part of the Rock River TMDL area.	04/01/2014	12/31/2014	COMPLETE
Monitor Baseline Survey	The purpose of the project is to monitor and evaluate portions of Mason Creek and its tributaries in Waukesha and Washington Counties. Mason Creek is currently 303d listed for pollutants including total phosphorus and sediment/total suspended solids, with impairments including low DO, degraded habitat and elevated Temperatures and yet it is still listed as a Class I Trout stream. It is also part of the Rock River TMDL area.	04/01/2014	12/31/2014	COMPLETE
Monitor or Propose 303(d) Listing	Mason Creek is currently 303d listed for pollutants including total phosphorus and sediment/total suspended solids, with impairments including low DO, degraded habitat and elevated Temperatures and yet it is still listed as a Class I Trout stream. It is also part of the Rock River TMDL area.	04/01/2014	12/31/2014	COMPLETE
TMDL Monitoring	The purpose of the project is to monitor and evaluate portions of Mason Creek and its tributaries in Waukesha and Washington Counties. Mason Creek is currently 303d listed for pollutants including total phosphorus and sediment/total suspended solids, with impairments including low DO, degraded habitat and elevated Temperatures and yet it is still listed as a Class I Trout stream. It is also part of the Rock River TMDL area.	04/01/2014	12/31/2014	COMPLETE

Details:	Parameter	Value/Amount	Units	Comments
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			

### Monitoring Stations

Station ID	Name	Comments
10042710	Mason Creek 17m US of West Shore Dr	
10042666	Mason Creek Farm Crossing 1300m US of Hwy CW	
10042668	Mason Creek West Branch	just water sample
10038441	Mason Creek at Petersen Rd	
10016883	Mason Creek upstream of CTH CW 30 Feet Gq=7	
10042667	Trib to Mason Creek at Farm Crossing	just water sample

### Assessment Units

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WBIC	Segment	Local Name	Official Name
851100	1	Mason Creek	Mason Creek
851200	1	Unnamed Stream	Unnamed

### Lab Account Codes

Account Code	Description	Start Date	End Date
WT142	303D/TMDL MONITORING	05/03/2011	12/31/2014

### Forms

Form Code	Form Name
VOL_RIVER	Citizen-Based Stream Monitoring
INORGANIC	Inorganic Lab - Field Data
CBSM-TEST	Macroinvertebrate Field Data
STREAM_MON	Stream Monitoring (Temp, DO, Trans, Flow)

### Methods

Method Code	Description
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
DNR-FPM 701.3 FIELD OBSERVATIONS AND MEASUREMENTS	Field Observations and Measurements
HABITAT SURVEY BASELINE PROTOCOLS	Habitat Baseline Survey Quantitative 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM-SONDES2006	Multi-Parameter Continuous Meter Guidelines 2006
DNR-FPM 2502 TEMPERATURE - ELECTRONIC	Temperature Electronic
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

### Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
08/18/2014 09:40	COMPLETE	MASON CREEK @	10038441	Mason Creek at Petersen Rd
08/18/2014 10:00	COMPLETE	MASON CREEK UP	10016883	Mason Creek upstream of CTH CW 30 Feet Gq=7
08/28/2014 11:30	COMPLETE	20140828-01	10042667	Trib to Mason Creek at Farm Crossing
08/28/2014 11:50	COMPLETE	20140828-02	10042668	Mason Creek West Branch
10/28/2014 09:00	COMPLETE	20141028-68-01	10038441	Mason Creek at Petersen Rd
10/28/2014 09:30	COMPLETE	20141028-68-02	10042710	Mason Creek 17m US of West Shore Dr
10/28/2014 09:55	COMPLETE	20141028-68-03	10016883	Mason Creek upstream of CTH CW 30 Feet Gq=7
10/28/2014 10:15	COMPLETE	20141028-68-04	10042666	Mason Creek Farm Crossing 1300m US of Hwy CW

### Documents

Title	Description	Author	Published	Comments
Mason Creek Tier III request		Jill Bedford, Tall Pines Conservancy		
SCR_05_CMP14 status 10132016	SCR_05_CMP14 status 10 13 2016	SWIMS Reports	10/13/2016	

### Budget

<b>Budget Description:</b> Jan-June 2014 Budget	<b>Start Date:</b> 04/01/2014	<b>End Date:</b> 06/30/2014
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	16	Hours	\$0.00	\$0.00	2 FTE (1 trips X 8 hours each trip)
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	100	Miles	\$0.72	\$72.00	
MEAL	Meals	2	Meals	\$4.00	\$8.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$80.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$80.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
<b>Total SLOH Lab Costs:</b>				\$0.00	
<b>Total Budget:</b>				\$80.00	

**Budget Description:** July- Dec 2014 Budget **Start Date:** 07/01/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	36	Hours	\$0.00	\$0.00	2 FTE (2 trip X 8 hours each trip) + 4 hours for bugs
LTE SAL	LTE Salary	36	Hours	\$13.00	\$468.00	2 LTE's (2 trip X 8 hours each trip) + 4 hour data entry
LTE FR	LTE Fringe				\$115.60	
LTE IND	LTE Indirect				\$94.37	
LTE TOT	LTE Total Cost				\$677.96	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	300	Miles	\$0.72	\$216.00	
MEAL	Meals	9	Meals	\$4.00	\$36.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$252.00	
BUG	Bug Contracts	3		\$180.00	\$540.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,469.96	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
<b>Total SLOH Lab Costs:</b>				\$0.00	
<b>Total Budget:</b>				\$1,469.96	

## Wisconsin Department of Natural Resources SWIMS Project Summary

**Combined Budgets:** \$1,549.96  
**Combined SLOH:** \$0.00  
**Combined Total:** \$1,549.96

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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