

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: West_TWA_3_2014
Name: Rathbone-Soper Creeks TWA (2017)
Type: Targeted Watershed Approach
Subtype: Evaluation (TP SSC, Stressor, Bioassess)
Status: COMPLETE
Start Date: 01/01/2014
End Date: 12/31/2016
Purpose: This Targeted Watershed Assessment (TWA) will be conducted in the Rathbone-Soper HUC 12 watershed. The Rathbone and Soper Creeks HUC 12 watershed was identified for evaluation due to stressed biological surveys. The Rathbone - Soper HUC 12 watershed was selected as one of the TWA's for the Western District to monitor in the 2014 field season. However, funding this expanded project would essentially allow monitoring activities to be completed in another TWA located in the HUC 10 watershed. For lack of better words, more bang for the buck. This TWA approach will result in 8 sites being surveyed; including the pour point of the watershed which will have additional sampling.

Read the [Rathbone-SoperTWA WQ Plan](https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=146355415).

Objective:
Comments: HUC 12 - 70400071201
Outcome: Big-Douglas Rathbone-Soper Cr TWA WQM Plan (BR03)
Study Design: The Rathbone-Soper TWA will consist of FIBI, mIBI surveys, total phosphorus samples, and qualitative habitat surveys done at 8 sites. One of these sites, the pour point of the HUC 12, will also receive six growing season TP samples, along with one time nitrogen series, total suspended solids and chloride samples. All sites will also have a continuous temperature sensor installed to monitor summer water temperatures.
QA Measures: Duplicates and blanks were used in the study to help ensure quality control.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
BRUHN, CAMILLE M	COORDINATOR	COMPLETE	01/01/2014	12/31/2099	Wisconsin DNR	
FARROW, DAVID J	COORDINATOR	ACTIVE	07/07/2014		Wisconsin DNR	
HAZUGA, MARK J	COORDINATOR	ACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	
HELSEL, DANIEL R	COORDINATOR	ACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	ACTIVE	11/23/2019		Wisconsin DNR	
JACOBSON, MATTHEW J	COORDINATOR	ACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	
RASMUSSEN, KURT	PROJECT_LEAD	INACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	
SCHEUNEMANN, ADAM T	COORDINATOR	ACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
11/15/2016	Lisa Helmuth	Progress: 75-100% Complete	Camille writing up the report

Actions

Action	Detailed Description	Start	End Date	Status
Monitor Targeted Watershed Area (TWA)		01/01/2014	12/31/2016	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10013049	Dustin Creek St. 2 - 2005 Cty Hwy S	
10020619	Jenkins Valley Creek at Dayton Avenue	

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Station ID	Name	Comments
10009054	Rathbone Creek #1- Hwy 27 Bridge	
10017329	Rathbone Creek St. 2 Catbird Rd. Bridge Crossing Downstream	
10013043	Rathborne Creek St. 2 -2005 State Land Just Upstream Of Benton Road	
10020470	Soper Creek St. 1 Carmel Ave. Crossing	
10020467	Soper Creek St. 7 300ft Downstream Of Deerwood Rd.	
10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B	

Assessment Units

WBIC	Segment	Local Name	Official Name
1693400	1	Soper Creek	Soper Creek
1693500	1	Jenkins Valley Creek	Jenkins Valley Creek
1694000	1	Rathbone Creek	Rathbone Creek
1694300	1	Dustin Creek	Dustin Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ002	TARGETED WATERSHED ASSESSMENTS	03/26/2014	12/31/2099

Forms

Form Code	Form Name
CONTINUOUS	Continuous Data Upload

Methods

Method Code	Description
ELECTROFISHING: BACKPACK SHOCKER	Electrofishing: Backpack Shocker
KICKNET SAMPLING - MACROINVERTEBRATE DATA COLLECTION	Macroinvertebrate Kicknet Data Collection 2000
WATER GRAB: BUCKET SAMPLER	Water Grab Sample: Bucket Sampler 1980

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
01/09/2014	COMPLETE	MIBI	10017329	Rathbone Creek St. 2 Catbird Rd. Bridge Crossing Downstream
05/11/2014 08:15	COMPLETE	NA	10020470	Soper Creek St. 1 Carmel Ave. Crossing
06/09/2014 18:15	COMPLETE	SC1	10020470	Soper Creek St. 1 Carmel Ave. Crossing
07/02/2014 14:20	COMPLETE	RC@ HWY S ACCE:	10009054	Rathbone Creek #1- Hwy 27 Bridge
07/02/2014 14:45	COMPLETE	DS@ CTH S	10013049	Dustin Creek St. 2 - 2005 Cty Hwy S
07/02/2014 15:05	COMPLETE	RC@ CATBIRD RO,	10017329	Rathbone Creek St. 2 Catbird Rd. Bridge Crossing Downstream
07/02/2014 15:30	COMPLETE	RC@ DNR PROP	10013043	Rathborne Creek St. 2 -2005 State Land Just Upstream Of Benton Road
07/02/2014 16:00	COMPLETE	SC@ DEERWOOD	10020467	Soper Creek St. 7 300ft Downstream Of Deerwood Rd.
07/02/2014 16:25	COMPLETE	SC@CTH B	10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B
07/02/2014 16:40	COMPLETE	JVC@ DAYTON RD	10020619	Jenkins Valley Creek at Dayton Avenue
07/16/2014 07:20	COMPLETE	SC1	10020470	Soper Creek St. 1 Carmel Ave. Crossing

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Start Date	Status	Field ID	Station ID	Station Name
08/05/2014 13:30	COMPLETE	SC1	10020470	Soper Creek St. 1 Carmel Ave. Crossing
09/16/2014 16:30	COMPLETE	SCI	10020470	Soper Creek St. 1 Carmel Ave. Crossing
10/09/2014	COMPLETE	MIBI	10020619	Jenkins Valley Creek at Dayton Avenue
10/09/2014	COMPLETE	MIBI	10013043	Rathborne Creek St. 2 -2005 State Land Just Upstream Of Benton Road
10/09/2014	COMPLETE	MIBI	10013798	Soper Creek Station 1 - Driveway Crossing Near Cth B
10/09/2014	COMPLETE	MIBI	10009054	Rathbone Creek #1- Hwy 27 Bridge
10/09/2014	COMPLETE	MIBI	10020467	Soper Creek St. 7 300ft Downstream Of Deerwood Rd.
10/09/2014	COMPLETE	MIBI	10013049	Dustin Creek St. 2 - 2005 Cty Hwy S
10/21/2014 12:39	COMPLETE	SC1	10020470	Soper Creek St. 1 Carmel Ave. Crossing
10/21/2014 12:40	COMPLETE	SC2-DUPLICATE	10020470	Soper Creek St. 1 Carmel Ave. Crossing
10/21/2014 12:40	COMPLETE	SC3-BLANK	10020470	Soper Creek St. 1 Carmel Ave. Crossing
10/28/2014	COMPLETE	MIBI	10020470	Soper Creek St. 1 Carmel Ave. Crossing

Documents

Title	Description	Author	Published	Comments
Big Douglas and Rathbone - Soper Creeks TWA WQM Plan 2017 [BR03]	Assessments and recommendations for the Watershed. Big-Douglas and Rathbone - Soper Creek TWA WQM PLAN 2017 (BR03)	Bruhn, Camille and Kurt Rasmussen	11/21/2017	
Big-Douglas and Rathbone - Soper Creeks TWA WQM Plan 2017 Presentation	Big-Douglas and Rathbone - Soper Creeks TWA WQM Plan 2017 Presentation	WDNR	08/10/2017	

Budget

Budget Description: FY14 May-June **Start Date:** 05/01/2014 **End Date:** 06/30/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	16	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	32	Hours	\$15.00	\$480.00	Average LTE wage in WD
LTE FR	LTE Fringe				\$118.56	
LTE IND	LTE Indirect				\$96.79	
LTE TOT	LTE Total Cost				\$695.35	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	170	Miles	\$0.72	\$122.40	
MEAL	Meals	6	Meals	\$10.00	\$60.00	New per diem rate
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$182.40	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$877.75	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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Total SLOH Lab Costs: \$0.00

Total Budget: \$877.75

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Budget Description: FY15 July-December **Start Date:** 07/01/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	48	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	104	Hours	\$15.00	\$1,560.00	Average LTE wage in WD
LTE FR	LTE Fringe				\$385.32	
LTE IND	LTE Indirect				\$314.56	
LTE TOT	LTE Total Cost				\$2,259.88	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	510	Miles	\$0.72	\$367.20	
MEAL	Meals	18	Meals	\$10.00	\$180.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$547.20	
BUG	Bug Contracts	8		\$185.00	\$1,480.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$4,287.08	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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Total SLOH Lab Costs: \$0.00
Total Budget: \$4,287.08

Combined Budgets: \$5,164.83
Combined SLOH: \$0.00
Combined Total: \$5,164.83

Funding

Organization	Source	Type	Amount	Start Date	End Date
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