July 2, 2022

Wisconsin Department of Natural Resources
SWIMS Project Summary

General Project Information

Project ID: East_TWA_2_2014
Name: Sauk Creek TWA WQM Plan (2017)
Type: Targeted Watershed Approach
Subtype: Evaluation (TP SSC, Stressor, Bioassess)
Status: COMPLETE
Start Date: 01/01/2014
End Date: 12/31/2014
Purpose: In 2014, the aquatic biological communities of the Sauk Creek sub-watershed (HUC 12) within the larger Sauk-Sucker Creek Watershed were surveyed and assessed required under Section 305(b) of the Clean Water Act. And, if problems were to be found, determine the listing eligibility of the waterbody for placement onto the 303(d) list under the Clean Water Act. And finally, as a result of the overall assessment of Sauk Creek and tributaries, make recommendations to be used as a planning guide.

At each sampling location, a single fish and qualitative fish habitat survey was completed; with the fish community assessed using either a backpack or towed electro shocker. At each same stream segment, a single Total Phosphorus water quality grab sample was taken, and later was sampled for aquatic macroinvertebrates. Additionally, one location, representing the lowest portion of the sub-watershed, was sampled five extra times on a monthly basis for Total Phosphorus.

Read the Sauk Creek TWA WQ Plan.

Objective: The watershed study within the Sauk Creek sub-watershed utilized historical survey locations studied by WDNR biologists in 2010 and in preceding years. The sites selected represent good special coverage of the sub-watershed, capture stream habitat (natural vs. ditched) and contributing land area (urban vs. agriculture vs. mixed woodland-agriculture).

Comments:

Outcome: Management Priorities
Identify areas throughout the watershed where stream habitat can be restored. Seek funds and programs to support these efforts.
Identify the primary sources of phosphorus in the watershed and pursue local runoff management and river/stream grants to reduce phosphorous inputs into local resources.
Identify potential partners and stakeholders to participate in an overall awareness and behavioral change program in the watersheds that result in reduced erosion and phosphorus inputs.

Restoration Goals
Reduce nutrient loadings to the Watershed
Expand aquatic life passage within the Watershed
Expand and improve existing wetlands

Study Design: Conduct HUC 12 level monitoring on Sauk Creek and unnamed tributaries in Ozaukee County. [40301011204]. Sample seven locations on Sauk Creek and tributaries for fish, qualitative habitat, and Total Phosphorus. In addition, sample the pour point sampling location five additional months for TP.

QA Measures: Standard DNR and SLOH protocols will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	COORDINATOR	ACTIVE	01/01/2014	12/31/2099	Wisconsin DNR	
Helmuth, Lisa D	COORDINATOR	ACTIVE	11/23/2019		Wisconsin DNR	
SABRE, RACHEL A	TEAM_MEMBER	COMPLETE	01/01/2014		Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
11/13/2016	Lisa Helmuth	Progress: 75-100%	Just need to reformat report into consistent presentation and

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Date	Reported By	Status	Comments
		Complete	finalize.

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Number of Sample Sites (Enter the station IDs if you know them).	
2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	
3. Proposed Dates for Sample Collection	
4. List applicable databases and who will enter data?	
5. Did you receive competitive projects funding in the previous year?	
6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not?	
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 Targeted Watershed Area (TWA)	Conduct HUC 12 level monitoring on Sauk Creek and unnamed tributaries in Ozaukee County. [40301011204]	01/01/2014	12/31/2017	COMPLETE
Runoff Grant	Identify sources of phosphorus in the watershed and pursue local runoff management and river/stream grants to reduce phosphorous inputs into local resources.	01/01/2014	12/31/2014	COMPLETE
Information and Education	Identify potential partners and stakeholders to participate in an overall awareness and behavioral change program in the watersheds that result in reduced erosion and phosphorus inputs.	01/01/2014	12/31/2014	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10030655	Sauk Creek - South Wisconsin Street	Pour point
10031943	Sauk Creek - Upstream of CTHY B	
10009339	Sauk Creek Upstream Of Mink Ranch Road	
463205	Sauk Creek at Cth A Near Fredonia WI	
10015522	Unnamed Tributary to Sauk Creek - Upstream Of Cth D	
10031942	Unnamed Tributary to Sauk Creek - Upstream of CTHY B	
10031941	Unnamed Tributary to Sauk Creek - Upstream of Jay Road	

Assessment Units

WBIC	Segment	Local Name	Official Name
15000	3	Milwaukee River	Milwaukee River

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WBIC	Segment	Local Name	Official Name
49500	1	Sauk Creek	Sauk Creek
49700	1	Ludowissi L Br To Sauk Creek	Unnamed
49900	1	Holy Cross Br Of Sauk Creek	Unnamed

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
FIELD CHEMISTRY FO	Field Chemistry Form
INORGANIC	Inorganic Lab - Field Data
WADEABLE_MACRO_F	Wadeable Macroinvertebrate Field & Habitat Data
WADEABLE_MACRO_F	Wadeable Macroinvertebrate Stream and Watershed Descriptiors

Methods

Method Code	Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/27/2014 11:10	COMPLETE	SAUK CREEK	10030655	Sauk Creek - South Wisconsin Street
06/24/2014 12:30	COMPLETE	SC-01	10030655	Sauk Creek - South Wisconsin Street
07/23/2014 09:00	COMPLETE	SAUK CR TR @ JAY	10031941	Unnamed Tributary to Sauk Creek - Upstream of Jay Road
07/30/2014 15:05	COMPLETE	SC-1	10030655	Sauk Creek - South Wisconsin Street
08/07/2014 10:00	COMPLETE	20140807-01	463205	Sauk Creek at Cth A Near Fredonia WI
08/07/2014 11:30	COMPLETE	20140807-02	10031942	Unnamed Tributary to Sauk Creek - Upstream of CTHY B
08/07/2014 13:00	COMPLETE	20140807-03	10031943	Sauk Creek - Upstream of CTHY B
08/07/2014 14:00	COMPLETE	20140807-04	10015522	Unnamed Tributary to Sauk Creek - Upstream Of Cth D
08/08/2014 11:00	COMPLETE	20140808-01	10030655	Sauk Creek - South Wisconsin Street
08/08/2014 14:00	COMPLETE	SCM-1	10009339	Sauk Creek Upstream Of Mink Ranch Road
08/28/2014 10:00	COMPLETE	SC-1	10030655	Sauk Creek - South Wisconsin Street
09/29/2014	COMPLETE	SC-01	10030655	Sauk Creek - South Wisconsin Street
11/07/2014	COMPLETE	20141107-46-02	10009339	Sauk Creek Upstream Of Mink Ranch Road
11/07/2014	COMPLETE	20141107-46-01R1	10030655	Sauk Creek - South Wisconsin Street
11/07/2014	COMPLETE	20141107-46-03	463205	Sauk Creek at Cth A Near Fredonia WI
11/07/2014	COMPLETE	20141107-46-04	10015522	Unnamed Tributary to Sauk Creek - Upstream Of Cth D
11/07/2014	COMPLETE	20141107-46-05	10031943	Sauk Creek - Upstream of CTHY B
11/07/2014	COMPLETE	20141107-46-06	10031942	Unnamed Tributary to Sauk Creek - Upstream of CTHY B
11/07/2014	COMPLETE	20141107-46-07	10031941	Unnamed Tributary to Sauk Creek - Upstream of Jay Road

Documents

Title	Description	Author	Published	Comments
Sauk Creek 49500 Seg1 TP		Ashley Beranek	03/26/2012	

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Title	Description	Author	Published	Comments
2012 Package				
Sauk Creek TWA WQM Plan 2017 Presentation	Sauk Creek TWA WQM Plan 2017 Presentation	WDNR	08/09/2017	
Sauk Creek TWA WQM Plan 2017 [SH01]	Assessments and recommendations for the Watershed. Sauk Creek TWA 2017	Helker, Craig	11/13/2016	
Sauk Creek near mouth	Sauk Creek near mouth			
check this report - incorrect	check this report - incorrect	lisa helmuth	12/07/2016	

Budget

Budget Description: TWA Sauk Creek **Start Date:** 04/01/2014 **End Date:** 12/31/2015

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	88	Hours	$0.00	$0.00	56 hours for Helker, 32 hours for Sabre
LTE SAL	LTE Salary	48	Hours	$13.00	$624.00	48 hours for single LTE
LTE FR	LTE Fringe				$154.13	
LTE IND	LTE Indirect				$125.82	
LTE TOT	LTE Total Cost				$903.95	
SUPPLY	Supplies				$0.00	
EQUIP	Equipment				$0.00	
MILEAGE	Mileage	1500	Miles	$0.72	$1,080.00	
MEAL	Meals	14	Meals	$9.00	$126.00	
LODGE	Lodging				$0.00	
TRAVEL	Travel Total				$1,206.00	
BUG	Bug Contracts	7		$180.00	$1,260.00	
OTHER	Other Contracts	6		$25.00	$150.00	USPS Shipping
USGS	USGS Costs				$0.00	
TOTAL	Total Cost (excludes SLOH)				$3,519.95	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	12	$23.60	$283.20

Total SLOH Lab Costs: $283.20
Total Budget: $3,803.15

Combined Budgets: $3,519.95
Combined SLOH: $283.20
Combined Total: $3,803.15

Funding

Organization	Source	Type	Amount	Start Date	End Date