

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: South_3_CMP17

Name: West Branch Sugar River TWA, Dane County

Type: Targeted Watershed Approach

Subtype: Evaluation (TP SSC, Stressor, Bioassess)

Status: ACTIVE

Start Date: 01/01/2017

End Date: 12/31/2019

Purpose: In 2005, the West Branch Sugar River (WBSR) was the 1st stream taken off the 303(d) list due to direct management actions to reduce sediment and improve habitat. Since that time, it has been added back on the list because of TP exceeding the criteria. Anecdotal reports indicate a reduction in quality of the resource. This study will look at fish and habitat on 8 sites on the stream to replicate the study done in 2003.

Objective: To determine the contemporary status of the WBSR by looking at fish and habitat to determine if the quality still exists that was used to justify its removal from the 303(d) list in 2005.

Comments: New, 1 year project

Outcome: Fishery and habitat data will be collected at various sites along the stream to determine the health of the fishery and habitat. This data will be evaluated, compared with previous data, and be used to determine the status of the resource and to determine if management actions are needed to restore the quality of the system. Data will be entered into the FM database. A report summarizing the study will be written and entered into SWIMS and WATERS.

Study Design: Collect fish data at 8 sites and quantitative habitat at 4 sites to determine the health of the fishery and habitat. Qualitative habitat will be collected at the 4 other sites.

QA Measures: All relevant SOPs for fish and quantitative habitat assessments will be followed.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
AMRHEIN, JAMES F	PROJECT_LEAD	ACTIVE	01/01/2017	12/31/2019	Wisconsin DNR	
SORGE, MICHAEL J	COORDINATOR	ACTIVE	01/01/2017	12/31/2019	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/20/2017	JAMES AMRHEIN	Proposed	
12/12/2017	JAMES AMRHEIN	Progress: 50-75% Complete	All data has been collected. Bugs will be sent to UWSP for analysis. 1st draft of report will be written in winter 2017/18.
04/19/2018	JAMES AMRHEIN	Complete	Report has been finalized and entered into SWIMS and WATERS

Project Status Detail

Answer Set: DEFAULT

Question	Answer
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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

Wisconsin Department of Natural Resources SWIMS Project Summary

Action	Detailed Description	Start	End Date	Status
Monitor Watershed (Status, Sources, Impairments)		01/01/2017	12/31/2019	PROPOSED
Habitat Restoration - Instream		01/01/2017	12/31/2019	PROPOSED

Monitoring Stations

Station ID	Name	Comments
133216	Sugar River West Branch - Docken Road	
10042833	Unnamed Trib WBIC: 887300 at Highway G Bridge	
10009700	West Branch Sugar At Barton Rd (Segment #15)	
10013056	West Branch Sugar At Trib. Downstream Of Hwy G (Segment 7a)	
10040631	West Branch Sugar River W of STH 92	

Assessment Units

WBIC	Segment	Local Name	Official Name
886100	1	West Branch Sugar River	West Branch Sugar River
886100	2	West Branch Sugar River	West Branch Sugar River
886100	3	West Branch Sugar River	West Branch Sugar River
887300	1	Unnamed Trib to W Br Sugar River	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WQ015	LOCAL NEEDS PROJECTS	04/22/2015	12/31/2099

Forms

Form Code	Form Name
FIELD CHEMISTRY FO	Field Chemistry Form
INORGANIC	Inorganic Lab - Field Data

Methods

Method Code	Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
HABITAT SURVEY BASELINE PROTOCOLS	Habitat Baseline Survey Quantitative 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM APPENDIX E SHIPPING INSTRUCTIONS FOR DRO IN SOIL	Shipping Instructions for DRO in Soil
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
10/03/2017	COMPLETE	20171003-13-01	133216	Sugar River West Branch - Docken Road
10/03/2017	COMPLETE	20171003-13-02	10009700	West Branch Sugar At Barton Rd (Segment #15)
10/03/2017	COMPLETE	20171003-13-03	10013056	West Branch Sugar At Trib. Downstream Of Hwy G (Segment 7a)
10/03/2017	COMPLETE	20171003-13-04	10040631	West Branch Sugar River W of STH 92
10/13/2017	RECEIVED	20171013-13-03	10042833	Unnamed Trib WBIC: 887300 at Highway G Bridge

Wisconsin Department of Natural Resources SWIMS Project Summary

Documents

Title	Description	Author	Published	Comments
A 2017 Assessment of the West Branch Sugar River WBIC=886100	This is a final report on the 2017 assessment of the West Branch Sugar River in Dane County, WI. It assesses the contemporary condition of the West Branch Sugar River 15 years after stream rehabilitation.	James Amrhein, Wisconsin DNR	04/01/2018	
Rehabilitation of the West Branch Sugar River	Rehabilitation of the West Branch Sugar River Dane County, Wisconsin Waterbody Index Code: 886100 A Documentation for Removal from the State of Wisconsin's List of Impaired Waters	Jim Amrhein	04/01/2004	
West Branch Sugar River Water Quality Monitoring Report (2017)	Final Report of the condition of the West Branch Sugar River (WBIC = 886100) after a 2017 assessment of fish, habitat, and macroinvertebrates.	James Amrhein, Wisconsin DNR	05/01/2018	

Budget

Budget Description: July - Dec Budget **Start Date:** 07/01/2017 **End Date:** 12/31/2017

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	96	Hours	\$0.00	\$0.00	6 trips x 2 FTE x 8 hrs/day
LTE SAL	LTE Salary	48	Hours	\$13.00	\$624.00	6 trips x 1 FTE x 8 hrs/day
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	360	Miles	\$0.72	\$259.20	6 trips x 60 miles/trip
MEAL	Meals	18	Meals	\$4.00	\$72.00	6 trips x 3 lunches at bagged lunch rate
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$331.20	
BUG	Bug Contracts	4		\$165.00	\$660.00	4 bugs x \$165/sample
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$1,895.15	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$1,895.15	
Combined Budgets:				\$1,895.15	
Combined SLOH:				\$0.00	
Combined Total:				\$1,895.15	

Funding

November 27, 2020

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Organization	Source	Type	Amount	Start Date	End Date
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