

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: East_10_CMP17

Name: Pike River Cooperative Monitoring Project

Type: Targeted Monitoring

Subtype: Watershed Project

Status: COMPLETE

Start Date: 04/03/2017

End Date: 12/28/2018

Purpose: Conduct biological monitoring, and support citizen volunteer nutrient monitoring on tributaries and the mainstem of the Pike River in Racine and Kenosha Counties. Our partner the Root-Pike Watershed Initiative Network is pursuing and has secured funding to undertake projects identified in the approved Nine Key Element Pike River Watershed Restoration Plan. The monitoring proposed will serve as pre-project documentation prior to implementation of stream bank stabilization and wetland restoration projects.

Objective: Conduct fish, macroinvertebrate, and qualitative habitat sampling at 2 locations on the Pike River (WBIC 1300). Conduct macroinvertebrate sampling at 4 tributaries to the Pike River (WBICs 5040874, 10047776, 2700, 2600), and one additional site on the Pike River to monitor pre-stream bank and wetland restoration projects.

Additionally, 2 locations on Pike River North Branch (WBIC 1900) are proposed for 6 growing season Total Phosphorus and TSS monitoring to document water quality improvements due to the North Branch Pike River restoration project. Sample collection will be completed by Root-Pike WIN volunteers trained by Craig Helker.

Comments: This is a new 1-year project.

Outcome: Number of sampling sites: 9 Number of sampling days: 1 fish and habitat sampling day for 2 locations, and 1 macroinvertebrate sampling day sampling for 7 locations. Additionally, volunteers will collect 6 monthly Total P and TSS samples at 2 locations. Sampling will be completed in November 2017, with data entered by Craig Helker by December 2017. A summary report will be drafted by December 2018.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	COORDINATOR	ACTIVE	04/03/2017	12/28/2018	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/19/2017	Craig Helker	Active	
01/24/2018	Lisa Helmuth	Progress: 25-50% Complete	

Project Status Detail

Answer Set: DEFAULT

Question	Answer
1. Project Category (SP 12 (Measure W); 303(d) Waters; Continuation (TMDL, Use Designation); New Projects; Wetlands, CBSM)	
2. Regional Priority by Category (ex: SP12-1, SP12-2, etc.)	
3. Number of Sample Sites (Enter the station IDs if you know them).	
4. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	
5. Proposed Dates for Sample Collection	
6. List applicable databases and who will enter data?	
7. FTE Hours (Funds) Needed	
8. LTE Hours (Funds) Needed	
9. Supplies - Describe in Detail	

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Question	Answer
10. Describe Travel Needed	
11. UWSP Macroinvertebrate Samples (How Many?)	
12. Additional Contractual dollars - Who? What? and How much?	
13. Equipment - What is needed and Why? (New Equipment, Cost?)	
14. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment].	
15. State Lab of Hygiene Analyses: Describe the number, type of parameters - See Worksheet	
16. Partner Contributions: Describe any funding provided by other DNR programs or non-DNR contributions.	
17. Total Year 1 (Please itemize: \$LTE + \$SLOH + \$Equipment + \$Travel + \$UWSP Lab + \$Other) = _____	
18. Total Year 2 (Please itemize: \$LTE + \$SLOH + \$Equipment + \$Travel + \$UWSP Lab + \$Other) = _____	
19. Project Total (Please itemize: \$LTE + \$SLOH + \$Equipment + \$Travel + \$UWSP Lab + \$Other) = _____	
20. Additional Comments	
21. Did you receive special projects funding during FY 2009?	
22. If yes to question 17, did you complete the projects including data entry and reports? If not, why not?	
23. Reviewer Notes: Identify questions or issues with project (use during review period)	
24. Reviewer Decision: Is this project recommended for funding?	

Actions

Action	Detailed Description	Start	End Date	Status
Monitor Watershed (Status,Sources,Impairments)	Conduct biological monitoring, and support citizen volunteer nutrient monitoring on tributaries and the mainstem of the Pike River in Racine and Kenosha Counties. Our partner the Root-Pike Watershed Initiative Network is pursuing and has secured funding to undertake projects identified in the approved Nine Key Element Pike River Watershed Restoration Plan. The monitoring proposed will serve as pre-project documentation prior to implementation of stream bank stabilization and wetland restoration projects.	04/03/2017	12/28/2018	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10008155	North Branch Of Pike River (atCounty Line Rd)	
10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft	
10014502	Pike River At Usgs Station Uw Parkside	
10010400	Pike River at Cth A	
10039579	Pike River in Petrifying Springs Park near bridge	
10047775	Unnamed Tributary to Pike River	
10047776	Unnamed Tributary to Pike River	

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Station ID	Name	Comments
10032423	Unnamed Tributary to Pike River at railroad bridge Somers	
10047779	Unnamed Tributary to South Branch Pike River	

Assessment Units

WBIC	Segment	Local Name	Official Name
1300	2	Pike River	Pike River
1900	1	North Branch Of Pike River	North Branch Pike River
1900	2	North Branch Pike River	North Branch Pike River
2600	1	Unnamed	Unnamed
2700	1	Somers Tributary To S Br Pike River	Unnamed
5040492	1	Unnamed	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
BENCHMARK	Benchmark
SIGNAGE2012	Boat Landing Sign Survey
PROJECT_RED_INC10	Early Detection (10)
INORGANIC	Inorganic Lab - Field Data
WAV_BI	WAV Citizen Monitoring Biotic Index
WADEABLE_MACRO_I	Wadeable Macroinvertebrate Field & Habitat Data

Methods

Method Code	Description
FISH SURVEY BASELINE PROTOCOLS	Fish Survey Baseline Protocols 2004
MACROINVERTEBRATE BASELINE PROTOCOLS	Macroinvertebrate Baseline D-frame Kick Net 2004
DNR-FPM 1001.3 BENTHIC INVERTEBRATE SAMPLING - D-FRAME NET, KICK SAMPLES GRAB SAMPLE	Stream Sampling Methods
	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
05/17/2017 14:37	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
05/17/2017 14:58	COMPLETE	PR-02	10008155	North Branch Of Pike River (atCounty Line Rd)
06/26/2017 14:26	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
06/26/2017 14:54	COMPLETE	PR-2	10008155	North Branch Of Pike River (atCounty Line Rd)
07/31/2017 15:00	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
07/31/2017 15:25	COMPLETE	PR-02	10008155	North Branch Of Pike River (atCounty Line Rd)

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Start Date	Status	Field ID	Station ID	Station Name
08/29/2017 14:00	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
08/29/2017 14:30	COMPLETE	PR-02	10008155	North Branch Of Pike River (atCounty Line Rd)
09/27/2017 13:45	COMPLETE	PR-02	10008155	North Branch Of Pike River (atCounty Line Rd)
09/27/2017 14:45	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
10/17/2017	COMPLETE		10014502	Pike River At Usgs Station Uw Parkside
10/17/2017	COMPLETE		10047775	Unnamed Tributary to Pike River
10/17/2017	COMPLETE		10032423	Unnamed Tributary to Pike River at railroad bridge Somers
10/30/2017	COMPLETE	PR-01	10034958	Pike River Along Pike River Pathway at the intersection of Lannon Terrace and Oakes Road. North of bridge about 50 ft
10/30/2017 13:45	COMPLETE	PR-02	10008155	North Branch Of Pike River (atCounty Line Rd)
11/08/2017	COMPLETE		10039579	Pike River in Petrifying Springs Park near bridge
11/08/2017	COMPLETE		10010400	Pike River at Cth A
	RECEIVED		10047779	Unnamed Tributary to South Branch Pike River

Documents

Title	Description	Author	Published	Comments
Pike @ Petrified Springs: Fish Survey 03Aug2017		Craig Helker	09/28/2017	
Pike @ Petrified Springs: Qualitative Habitat Eval 03Aug2017		Craig Helker	09/28/2017	
Pike River @ A: Fish Survey 03Aug2017		Craig Helker	09/28/2017	
Pike River @ A: Qualitative Habitat Eval 03Aug2017		Craig Helker	09/28/2017	

Budget

Budget Description: Pike River Cooperative Monitoring Project **Start Date:** 05/01/2017 **End Date:** 12/28/2018

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	32	Hours	\$0.00	\$0.00	1 day for fish sampling x 2 FTE, 1 day for bugs, 1 day for write-up
LTE SAL	LTE Salary	8	Hours	\$13.00	\$104.00	1 day x LTE for fish sampling
LTE FR	LTE Fringe				\$25.69	
LTE IND	LTE Indirect				\$20.97	
LTE TOT	LTE Total Cost				\$150.66	
SUPPLY	Supplies	6		\$18.00	\$108.00	Sample shipping for Total P x 6
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	120	Miles	\$0.72	\$86.40	40 miles roundtrip x 2 for fish, bugs. Plus 40 miles for training volunteers in Total P collection
MEAL	Meals	4	Meals	\$4.00	\$16.00	Meals for fish and bug sampling
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$102.40	
BUG	Bug Contracts	7		\$65.00	\$455.00	7 sites x \$65
OTHER	Other Contracts				\$0.00	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$816.06	

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

Total Budget: \$816.06

Combined Budgets: \$816.06

Combined SLOH: \$0.00

Combined Total: \$816.06

Funding

Organization	Source	Type	Amount	Start Date	End Date
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