

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: South_TWA_3_2014
Name: Lake Monona-Yahara River [HUC12] (SCR_11_CMP14)
Type: Targeted Watershed Approach
Subtype: Evaluation (TP SSC, Stressor, Bioassess)
Status: ACTIVE
Start Date: 11/01/2013
End Date: 12/31/2014
Purpose: Water staff will conduct Fish IBI sampling, macroinvertebrate sampling, and water chemistry sampling to gather total phosphorus data. The work will be conducted at Nine Springs/ Wingra Creek HUC 12 monitoring. The areas include Nine Springs Creek (804200), Wingra Creek (804700), Un-named (804100)/ (5036092) using standard protocols outlined in WDNR guidance documents.
Objective: TWA sampling is replacing the MI Sites and is the third leg of the TRIAD approach. This initiative is recommended by central office and expected by each stream biologist around the state. Answering management questions will try to address proper classification, use designation, and impairments.

Comments: Currently, twelve sites have been indentified on five different waterbodies. The waterbodies include: Wingra Creek (804700), Nine Springs Creek (804200), Unnamed (804100), Unnamed (5036092), and Yahara River (798300).
 Is this a New or Continuing project?

 Change project name and ID to: "TWA (HUC12 Name)"

Outcome: NEW
 The main goal of this project is to address management questions, proper classification, use designation, stream impairments.

Study Design: There is a project that is also being submitted by ISS and Dr. Cory McDonald that will supplement this HUC 12 TWA project. He is looking at verifying SWAT and Rock River TMDL. Water Chemistry sampling proposed in his project would cover the pore point of this HUC 12. He is also bringing additional funding to the project from ISS.
 Design will focus on the following work. HUC -12 70900020702. 1. Fish Electrofishing Surveys- conduct appropriate IBI surveys at all wadable stations. 2. Macroinvertebrate Surveys- conduct D-Frame Kick Net samples at all wadable stations, represerved and sent to UWSP. 3. Water Chemistry Sampling- water chemistry grab samples will be collected at all Fish stations. Samples analyzed for TP. The pore point will be sampled as part of a special project that is being submitted by Dr. Cory McDonald as part of Local Needs request.
QA Measures: Follow standard monitoring methods for the following:

 Electrofishing- IBI sampling procedures and proper SOP's.
 Macroinvertebrate- MIBI sampling procedures and proper SOP's.
 Water Chemistry Sampling- proper sampling procedures and proper SOP's.

People

Name	Role	Status	Start Date	End Date	Organization	Comments
AMRHEIN, JAMES F	TEAM_MEMBER	ACTIVE	10/16/2014	12/31/2014	Wisconsin DNR	
SEARLE, GREGORY S	SUPERVISOR	ACTIVE	11/01/2013	12/31/2014	Wisconsin DNR	
SORGE, MICHAEL J	PROJECT_LEAD	ACTIVE	11/01/2013	12/31/2014	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/18/2013	MICHAEL SORGE	Proposed	
12/15/2015	Lisa Helmuth	Progress: 75-100%	done

Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Monitor Targeted Watershed Area (TWA)	Water staff will conduct Fish IBI sampling, macroinvertebrate sampling, and water chemistry sampling to gather total phosphorus data. The work will be conducted at Nine Springs/ Wingra Creek HUC 12 monitoring. The areas include Nine Springs Creek (804200), Wingra Creek (804700), Un-named (804100)/ (5036092) using standard protocols outlined in WDNR guidance documents.	*****	12/31/2014	COMPLETE

Monitoring Stations

Station ID	Name	Comments
10042209	Nine Springs Creek at Fish Hatchery Road	At Nine-Springs Golf Course
10042379	Un-named Trib (804100) [Pennito Creek] to Upper Mud Lake at Femrite Drive	Also known as Pennito Creek
10042417	Un-named Trib to Upper Mud Lake (804100) at I 90/94 [Pennito Creek]	Also known as Pennito Creek
10042376	Unnamed Trib (804100) [Penitto Creek] to Upper Mud Lake at Marsh Rd	Also known as Penitto Creek
10042801	Unnamed Trib (804100) [Penitto Creek] to Upper Mud Lk at I90/94	Local name is Penitto Creek
10042176	Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB	Also known as Penitto Creek

Assessment Units

WBIC	Segment	Local Name	Official Name
804100	1	Unnamed Creek Trib To Upper Mud Lake	Unnamed
804400	1	Nine Springs 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
INORGANIC	Inorganic Lab - Field Data
CBSM-TEST	Macroinvertebrate Field Data
MACROINVERT_BASIC	Macroinvertebrate Survey Basic Form

Methods

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

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
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Start Date	Status	Field ID	Station ID	Station Name
10/02/2014	COMPLETE	20141002-13-02	10042801	Unnamed Trib (804100) [Penitto Creek] to Upper Mud Lk at I90/94
10/02/2014	COMPLETE	20141002-13-03	10042176	Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB
10/02/2014	COMPLETE	20141002-13-04	10042379	Un-named Trib (804100) [Pennito Creek] to Upper Mud Lake at Femrite Drive
10/02/2014	COMPLETE	20141002-13-05	10042376	Unnamed Trib (804100) [Penitto Creek] to Upper Mud Lake at Marsh Rd
10/02/2014	COMPLETE	20141002-13-06	10041121	Penitto Creek at Stoughton Rd
10/02/2014	COMPLETE	20141002-13-07	133086	Nine Springs Creek at Moorland Rd
10/02/2014	COMPLETE	20141002-13-08	10032761	Nine Springs at Syene Rd

Documents

Title	Description	Author	Published	Comments
Nine Springs Creek Assessment Unit Macroinvertebrate Results mIBI (WBIC 804400)	Nine Springs Creek	Helmuth, Lisa	12/15/2015	
Nine Springs Creek Assessment Unit Macroinvertebrate Results mIBI (WBIC 804400) Report	Nine Springs Creek	Helmuth, Lisa	12/15/2015	
Nine Springs Creek at Fish Hatchery Road mIBI Chart (wbic 804400)	Nine Springs Creek at Fish Hatchery Road	Helmuth, Lisa	12/15/2015	
Nine Springs Creek at Fish Hatchery Road mIBI Report (wbic 804400)	Nine Springs Creek at Fish Hatchery Road	Helmuth, Lisa	12/15/2015	
Unnamed Creek Trib To Upper Mud Lake Assessment Unit Macroinvertebrate Results mIBI (WBIC 804400)	Unnamed Creek Trib To Upper Mud Lake	Helmuth, Lisa	12/15/2015	
Unnamed Creek Trib To Upper Mud Lake Assessment Unit Macroinvertebrate Results mIBI (WBIC 804400) Report		Helmuth, Lisa	12/15/2015	
Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB mIBI Chart	Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB	Helmuth, Lisa	12/15/2015	
Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB mIBI Report	Unnamed Tributary (804100) [Penitto Creek] to Upper Mud Lake at CTH AB	Helmuth, Lisa	12/15/2015	

Budget

Budget Description: JAN-JUNE 14

Start Date: 01/01/2014

End Date: 06/30/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	40	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	20	Hours	\$13.00	\$260.00	
LTE FR	LTE Fringe				\$64.22	
LTE IND	LTE Indirect				\$52.43	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
LTE TOT	LTE Total Cost				\$376.65	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	150	Miles	\$0.72	\$108.00	
MEAL	Meals	9	Meals	\$9.00	\$81.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$189.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$565.65	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
IC52010	PHOSPHORUS TOTAL	INORGANIC CHEMISTRY	6	\$23.60	\$141.60

Total SLOH Lab Costs: \$141.60

Budget Description: JULY-DEC 2014 **Start Date:** 07/01/2014 **End Date:** 12/31/2014

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	80	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	40	Hours	\$13.00	\$520.00	
LTE FR	LTE Fringe				\$128.44	
LTE IND	LTE Indirect				\$104.85	
LTE TOT	LTE Total Cost				\$753.29	
SUPPLY	Supplies				\$0.00	
EQUIP	Equipment				\$0.00	
MILEAGE	Mileage	200	Miles	\$0.72	\$144.00	
MEAL	Meals	10	Meals	\$9.00	\$90.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$234.00	
BUG	Bug Contracts	12		\$180.00	\$2,160.00	
OTHER	Other Contracts				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$3,147.29	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
IC52010	PHOSPHORUS TOTAL	INORGANIC CHEMISTRY	6	\$23.60	\$141.60

Total SLOH Lab Costs: \$141.60

Combined Budgets: \$3,712.94

Combined SLOH: \$283.20

Funding					
Organization	Source	Type	Amount	Start Date	End Date