

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NOR_01_CMP09
Name: 303(d) Listing Evaluation and Post-Monitoring for Biological Recovery of Newton Creek (2843650) and Hog Island Inlet (2743650)
Type: Targeted Monitoring
Subtype: Special Project
Status: IN_QA
Start Date: 07/01/2008
End Date: 06/30/2011
Purpose: This project involves evaluating 303d waters including Newton Creek and Hog Island Inlet which is required for proposing removal of waters from the state's impaired waters list. To complete necessary monitoring as required by EPA.
Objective: To determine if Newton Creek and Hog Island Inlet are meeting their designated or attainable uses (as described by Chapter NR 102) after recent remediation efforts to remove aquatic toxicity impairments caused by metals, pH's, and petroleum pollutants. Post-monitoring evaluation of the biological recovery of these waterbodies will further determine the overall success of remediation efforts towards substantially improving water quality and whether or not these waterbodies may be removed from the 303(d) list.
Comments: Project Category 1: Performance Measure SP 12 (Measure W) for high priority federal reporting purposes.
Outcome: Newton Creek:
 Macroinvertebrates: contracted out to LSRI to sample 3 sites, spring and fall, in 2008, 2009, 2010. Sampling complete by December 1 each year.
 Fish Community: sample 2 sites once/yr in 2008, 2009, 2010. To be completed by September 30th each yr with data entry complete by Dec. 31st.
 Water quality monitoring: 2 sites, non-event and event sampling.

 Hog Island Inlet:
 Macroinvertebrates: contracted out to LSRI to sample 4 sites once/yr in 2009 and 2010. Complete sampling by Sept. 30th each yr.
 Fish Community: sample 3 sites once/yr by Mini-fyke netting in 2008 - 2010. Electrofish shoreline with mini-boomshocker in 2008 and 2010. Fish sampling complete by Sept 30th each year with data entry complete by Dec 31st.
 Macrophyte community: Conduct point-intercept surveys of aquatic plants in 2008 - 2010 by August 31 each yr.
 Water quality monitoring conducted on Hog Island in conjunction with sampling on Newton Creek.

 Final Report:
 Write a final report to summarize all findings and to make comparisons with historic data by June 30, 2011. Report will discuss/evaluate the overall biological and physical recovery of Newton Creek and Hog Island Inlet and make recommendations for future management in regards to status on 303d list.

Project Statuses

Date	Reported By	Status	Comments
03/18/2008	CORDELL MANZ	Proposed	

Project Status Detail

Question	Answer
5. FTE Hours (Funds) Needed	200 Hours Total.
6. LTE Hours (Funds) Needed	550 Hours Total.
7. Supplies - Describe in Detail	Supplies necessary for maintenance and calibration of water quality meters such as buffer solutions, fish sampling gear, etc, \$600. Expenses for shipping samples to the State Lab of Hygiene = 18 sampling dates X \$50/sample = \$900.
8. Describe Travel Needed	Local travel to and from sites is about 3 miles or less one-way.
9. UWSP Samples (Number)	None.
10. Additional Contractual dollars - Who? What? and How much?	Contract with the Lake Superior Research Institute (LSRI) for \$26,100 for macroinvertebrate sampling, processing, and analyses, including report writing on findings. \$14,000 for Newton Creek sampling and \$12,100 for Hog Island core samples. This contract includes Newton Creek

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Question	Answer
11. Equipment - What is needed and Why? (New Equipment, Cost?)	macroinvertebrate samples collected between fall 2003 and spring 2008 for a total cost of \$8750. Maintenance may be necessary of available equipment.
12. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment].	None
13. State Lab of Hygiene Analyses: Describe the number and type of parameters - See Worksheet	Newton Creek: 2 sites to be sampled approximately 6 times/year for 3 years for all parameters on worksheets except E. coli, fecal coliform, and chlorophyll a. This includes the sampling for PAH's (~36 samples total). Hog Island: 1 site sampled approximately 6 times yearly for 3 years, for all parameters on worksheet, with the exception PAH's which won't be sampled at Hog Island Inlet, and sampling for E. coli and fecal coliform - which will be sampled only in one year.
14. Partner Contributions: Describe any funding provided by other DNR programs or non-DNR contributions.	None
18. Regional Priority by Category (ex: Cat. 1-1st, Cat. 2-2nd)	Cat 1- Priority 1

People						
Name	Role	Status	Start Date	End Date	Organization	Comments
LAVIGNE, CLIFFORD R	COORDINATOR	ACTIVE	10/15/2010		Wisconsin DNR	
MANZ, CORDELL H	COORDINATOR	ACTIVE	07/01/2008	06/30/2011	Wisconsin DNR	Water Resources Biologist, Superior, WI 715-392-0805

Actions					
Action	Detailed Description	Start Date	End Date	Status	

Monitoring Stations		
Station ID	Name	Comments
10029968	Hog Island Inlet - Minifyke Netting	
163258	Lake Superior-Hog Island Inlet - Super Har Hi10	
163008	Newton Creek - 21st St Bel Murphy Oil	
163325	Newton Creek - Reach K Nc-29	
10029157	Superior Harbor - Inlet at Loonsfoot Landing, East of Hog Island Inlet	

Assessment Units			
WBIC	Segment	Local Name	Official Name
2751300	1	Hog Island Inlet	Superior Bay
2843650	1	Newton Creek	Newton Creek
2843800	1	St. Louis River AOC, St. Louis River	Saint Louis River

Lab Account Codes			
Account Code	Description	Start Date	End Date
WT104	NEWTON CREEK & ST LOUIS RIVER	01/01/1960	12/31/2099

Forms	
Form Code	Form Name

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Methods

Method Code	Description
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Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/01/2008 10:50	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
07/01/2008 10:50	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
07/01/2008 11:50	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
07/01/2008 11:50	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
07/01/2008 12:25	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
07/01/2008 12:25	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
08/05/2008 11:40	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
08/05/2008 11:40	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
08/12/2008 15:00	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
08/12/2008 15:00	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
08/12/2008 15:35	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
08/29/2008	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
08/29/2008 11:45	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
08/29/2008 11:45	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
08/29/2008 12:15	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
08/29/2008 12:45	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
09/02/2008 10:40	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
09/05/2008 16:20	COMPLETE	SHLF-1	10029157	Superior Harbor - Inlet at Loonsfoot Landing, East of Hog Island Inlet
06/24/2009 07:50	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
06/24/2009 07:50	COMPLETE	HOG-1	163258	Lake Superior-Hog Island Inlet - Super Har Hi10
06/24/2009 08:20	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
06/24/2009 08:20	COMPLETE	NC-1	163325	Newton Creek - Reach K Nc-29
06/24/2009 08:40	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
06/24/2009 08:40	COMPLETE	NC-2	163008	Newton Creek - 21st St Bel Murphy Oil
	SCHEDULED	NC-1	163325	Newton Creek - Reach K Nc-29

Documents

Title	Description	Author	Published	Comments
NOR1_09		Cordell H. Manz	03/25/2008	Collecting 36 samples for PAH's for 2 sites over 3 years will cost ~ \$10,206. This would cost ~\$3,402 for 2008. Cost of project in 2008 without PAH sampling would be \$15,283, if part and not all of project can be funded. Cutting all water chemistry sampling could reduce pricetag more if absolutely necessary.
PROPOSED BUDGET	Master Spreadsheet for Project Budget 2010 Projects	Arneson, Ron	02/03/2009	

Budget

Code	Description	Quantity	Units	Unit Cost	Total Cost
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Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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April 11, 2011

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Total SLOH Lab Costs: \$0.00