

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: NOR_19_CMP10

Name: Impaired Waters (303(d)) Evaluation of Nemadji River watershed and Bluff and Bear Creeks in the Lake Superior Basin, Dc

Type: Targeted Monitoring

Subtype: Watershed Project

Status: ACTIVE

Start Date: 07/01/2009

End Date: 06/30/2010

Purpose: This project will evaluate Lake Superior Basin streams located in Douglas County for inclusion on the states 303(d) list. Professional judgement and past monitoring indicate possible impairments. The streams included in this proposal are the Nemadji River (WBIC 2835300) and following tributaries to the Nemadji: Balsam Creek (WBIC 2841400), Black River (3836900); Mud Creek (WBIC 2843000) and Clear Creek (WBIC 2842800). Also included are Bluff Creek (WBIC-2833200) and two unnamed tributaries (WBICs-2833900, 2833500) and Bear Creek (WBIC-2834600) and one unnamed tributary to Bear Creek (WBIC-2834800). Fish, habitat, macroinvertebrates and chemistry samples will be collected using baseline monitoring protocols for up to a total of 14 sites.

Objective: The objective of this project is to assess the quality of above mentioned streams to see if they should be designated impaired and listed on the states 303(d) list.

Comments: Project Category 2: 303(d) Impaired Waters List

Outcome: 1) Samples sites: 14 sites for water chemistry samples, up to 14 sites for macroinvertebrates (depending on if wadeable or habitat available), 12-13 sites for fish IBI and habitat sampling.

Nemadji River - 3 sites; Tributaries ç Balsam Creek - 1 site, Black River - 1 site, Mud Creek ç 1 site, and Clear Creek ç 1 site. Bluff Creek and unnamed tributaries will have ~4-5 sites, and Bear Creek and one unnamed tributary will have 2-3 sites for 7 sites total in the Bluff/Bear Creek systems.

2) Sampling events: Water chemistry sampling on the Nemadji River and its tributaries will occur monthly and/or during high water events for up to a total of 10 sampling events from April through October. Water chemistry sampling on Bluff/Bear Creeks and their tributaries will only occur one time, during the summer.

Fish and habitat sampling will occur during the summer months on ~12-13 stations (one or two are unwadeable) and macroinvertebrates will be sampled in the fall/winter.

3) Sample collection will be complete by mid winter

4) Data will be entered into database by spring 2010 (macroinvertebrate data will depend on Stevens Point lab)

5) Final report will be complete after macorinvertebrate samples are done. Report no later than end of August 2010.

Project Statuses

Date	Reported By	Status	Comments
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Project Status Detail

Question	Answer
1. Project Category (SP 12 (Measure W); 303(d) Waters; Continuation (TMDL, Use Designation); New Projects; Wetlands, CBSM	Project Category 2: 303(d) Impaired Waters List
2. Regional Priority by Category (ex: SP12-1, SP12-2, etc.)	
3. Number of Sample Sites (Enter the station IDs if you know them).	14 (14 for chemistry, 12 for fish, 13-14 for bugs, and 12-13 for habitat).
4. Number of Sample Events (Indicate how many trips into the field you anticipate for this project).	Nemadji and tribs: 7-10 events for water chemistry, 1 for fish, habitat and bugs. Bluff/Bear Creek: 1 sampling event each for water chemistry, fish, habitat

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Question	Answer
5. Proposed Dates for Sample Collection	and bugs. Nemadji and tribs: April thru Oct for water chemistry, summer for fish and habitat, fall for bugs.
6. List applicable databases and who will enter data?	Bluff/Bear Creek and tribs: summer sampling for water chemistry, fish and habitat, fall for bugs. FH Data Base/Lab Portal, SWIMS and Work Station Computer
7. FTE Hours (Funds) Needed	70
8. LTE Hours (Funds) Needed	450
9. Supplies - Describe in Detail	Shipping samples/ice ~\$250. 2 Back pack shocker batteries, water quality meter buffer solutions, meter maintenance, equipment repairs, etc. ~\$250.
10. Describe Travel Needed	Round trip travel to all site is under 40 miles. Estimate ~\$340.
11. UWSP Macroinvertebrate Samples (How Many?)	14
12. Additional Contractual dollars - Who? What? and How much?	
13. Equipment - What is needed and Why? (New Equipment, Cost?)	New backpack shocker batteries, possibly another dip-net.
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	See attached 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) = _____	\$21,470.
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?	yes
22. If yes to question 17, did you complete the projects including data entry and reports? If not, why not?	Yes and no. Ongoing monitoring for some 09 projects, and data entry/analyses still in process on another.
23. Reviewer Notes: Identify questions or issues with project (use during review period)	
24. Reviewer Decision: Is this project recommended for funding?	

People

Name	Role	Status	Start Date	End Date	Organization	Comments
MANZ, CORDELL H	COORDINATOR	ACTIVE	07/01/2009	06/30/2010	Wisconsin DNR	Water Resources Biologist, Lk. Sup. Basin. 715-392-0805.

Actions

Action	Detailed Description	Start Date	End Date	Status
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Monitoring Stations

Station ID	Name	Comments
10007599	Balsam Creek at Deadham Rd	

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Station ID	Name	Comments
10029778	Bear Creek at CTH Z	
10029779	Bear Creek, NE of Hwy 2/53	
10015470	Bear Creek- Upstream City Limits Rd- Station #1	
10030272	Black River - upstream of bridge at end of Finn Rd.	
10030045	Bluff Creek, ~500 m above Powerline, behind Allouez Taconite Fac.	
10015462	Bluff Creek- Upstream Hwy Z- Station #1	
10015463	Bluff Creek- Upstream Valley Brook Rd- Station #2	
10029826	Central Park (Faxon) Creek at Central Park	
10029824	Central Park (Faxon) Creek, below 28th St.	
10030271	Clear Creek at Cty Hwy W	
10015464	Crawford Creek- Upstream Hammond Ave- Station #1	
10030270	Mud Creek - just above stream mouth w/ Nemadji River	
163233	Nemadji River - 50 Yds Above Finn Rd Bridge	
163003	Nemadji River at Cth C, Near South Superior, WI	
163047	Nemadji River at Cth W	
10030022	Nemadji River, Macroinvertebrate station ~665 meters above Finn Rd.	
10031476	S. Fork, Nemadji River - 100 m above mouth.	
10030050	Unnamed Trib to Bluff Creek ~200 meters above confluence, off CTH A.	
10030752	Unnamed Tributary to Central Park (Faxon) Creek 10 meters DST of old RR grade, near mouth.	
10030180	Unnamed trib. to Copper Creek upstream of Neuman Rd.	

Assessment Units

WBIC	Segment	Local Name	Official Name
2833200	1	Bluff Creek	Bluff Creek
2834600	1	Bear Creek	Bear Creek
2835300	1	Lower Nemadji River	Nemadji River
2835500	1	Crawford Creek	Crawford Creek
2836900	1	Black River	Black River
2841400	2	Balsam Creek (Big Balsam)	Balsam Creek
2841400	3	Balsam Creek (Big Balsam)	Balsam Creek
2842800	1	Clear Creek	Clear Creek
2843000	1	Mud Creek	Mud Creek
2843400	1	Nemadji River, South Fork	South Fork Nemadji River
2843700	1	Faxon (Central Park) Creek	Unnamed
5000527	1	Unnamed	Unnamed
5000547	1	Unnamed Creek	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
WT107	Watershed Special Projects	05/27/2009	06/30/2010

Forms

Form Code	Form Name
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Methods

Method Code

Description

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/29/2009 13:30	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge
07/29/2009 13:45	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
07/29/2009 14:00	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
07/29/2009 14:20	COMPLETE	NR-03	163047	Nemadji River at Cth W
07/29/2009 14:30	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
07/29/2009 15:00	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
07/29/2009 15:30	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
07/29/2009 15:50	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
08/20/2009 10:08	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge
08/20/2009 10:15	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
08/20/2009 11:40	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
08/20/2009 12:05	COMPLETE	NR-03	163047	Nemadji River at Cth W
08/20/2009 12:20	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
08/20/2009 13:00	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
08/20/2009 13:45	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
08/20/2009 14:15	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
08/20/2009 14:35	COMPLETE	BL-1	10015462	Bluff Creek- Upstream Hwy Z- Station #1
08/20/2009 14:55	COMPLETE	BEAR-1	10029778	Bear Creek at CTH Z
09/14/2009 13:18	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
09/14/2009 13:37	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
09/14/2009 14:05	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge
09/14/2009 14:28	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
09/14/2009 15:08	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
09/14/2009 15:15	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
09/14/2009 15:32	COMPLETE	NR-03	163047	Nemadji River at Cth W
09/14/2009 15:53	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
09/29/2009 11:35	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
09/29/2009 11:45	COMPLETE	NR-03	163047	Nemadji River at Cth W
09/29/2009 11:55	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
09/29/2009 12:18	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
09/29/2009 12:30	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge
09/29/2009 12:45	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
09/29/2009 13:00	COMPLETE	BLF-1	10015462	Bluff Creek- Upstream Hwy Z- Station #1
09/29/2009 13:18	COMPLETE	BEAR-1	10015470	Bear Creek- Upstream City Limits Rd- Station #1
10/07/2009 13:15	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
10/07/2009 13:25	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
10/07/2009 13:33	COMPLETE	NR-03	163047	Nemadji River at Cth W
10/07/2009 14:10	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
10/07/2009 14:35	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge
10/07/2009 14:50	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
10/07/2009 15:10	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
10/28/2009	COMPLETE	20091028-16-02	10015462	Bluff Creek- Upstream Hwy Z- Station #1
10/28/2009 10:50	COMPLETE	20091028-16-01	10015470	Bear Creek- Upstream City Limits Rd- Station #1
10/28/2009 12:55	COMPLETE	20091028-16-03	10029826	Central Park (Faxon) Creek at Central Park
10/30/2009 10:55	COMPLETE	NR-02	163233	Nemadji River - 50 Yds Above Finn Rd Bridge

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Start Date	Status	Field ID	Station ID	Station Name
10/30/2009 11:20	COMPLETE	BR-01	10030272	Black River - upstream of bridge at end of Finn Rd.
10/30/2009 11:55	COMPLETE	CLC-01	10030271	Clear Creek at Cty Hwy W
10/30/2009 12:15	COMPLETE	MC-01	10030270	Mud Creek - just above stream mouth w/ Nemadji River
10/30/2009 12:25	COMPLETE	NR-03	163047	Nemadji River at Cth W
10/30/2009 13:10	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
10/30/2009 13:50	COMPLETE	NR-01	163003	Nemadji River at Cth C, Near South Superior, WI
10/30/2009 14:05	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
10/30/2009 14:20	COMPLETE	BL-1	10015462	Bluff Creek- Upstream Hwy Z- Station #1
10/30/2009 14:45	COMPLETE	BEAR-1	10015470	Bear Creek- Upstream City Limits Rd- Station #1
11/05/2009 12:05	COMPLETE	20091105-16-03	10030752	Unnamed Tributary to Central Park (Faxon) Creek 10 meters DST of old RR grade, near mouth.
11/05/2009 12:15	COMPLETE	20091105-16-02	10030050	Unnamed Trib to Bluff Creek ~200 meters above confluence, off CTH A.
11/05/2009 12:30	COMPLETE	20091105-16-04	10029825	Central Park (Faxon) Creek, above 21st St.
11/05/2009 14:15	COMPLETE	20091105-16-05	10030271	Clear Creek at Cty Hwy W
11/05/2009 15:00	COMPLETE	20091105-16-06	163047	Nemadji River at Cth W
11/10/2009 16:35	COMPLETE	20091110-16-01	10029824	Central Park (Faxon) Creek, below 28th St.
11/12/2009 11:35	COMPLETE	20091112-16-02	10007599	Balsam Creek at Deadham Rd
11/12/2009 12:30	COMPLETE	20091112-16-03	10030270	Mud Creek - just above stream mouth w/ Nemadji River
11/12/2009 13:30	COMPLETE	20091112-16-04	10030272	Black River - upstream of bridge at end of Finn Rd.
11/12/2009 14:00	COMPLETE	20091112-16-05	10030022	Nemadji River, Macroinvertebrate station ~665 meters above Finn Rd.
04/27/2010	COMPLETE	20100427-16-01	10029826	Central Park (Faxon) Creek at Central Park
04/27/2010	COMPLETE	20100427-16-01	10029826	Central Park (Faxon) Creek at Central Park
04/27/2010	COMPLETE	20100427-16-02	10029824	Central Park (Faxon) Creek, below 28th St.
04/27/2010	COMPLETE	20100427-16-03	10030752	Unnamed Tributary to Central Park (Faxon) Creek 10 meters DST of old RR grade, near mouth.
04/28/2010	COMPLETE	20100428-16-01	10029779	Bear Creek, NE of Hwy 2/53
04/28/2010	COMPLETE	20100428-16-02	10030045	Bluff Creek, ~500 m above Powerline, behind Allouez Taconite Fac.
04/28/2010	COMPLETE	20100428-16-03	10029778	Bear Creek at CTH Z
04/28/2010	COMPLETE	20100428-16-04	10015463	Bluff Creek- Upstream Valley Brook Rd- Station #2
05/19/2010	COMPLETE	20100519-16-01	10031476	S. Fork, Nemadji River - 100 m above mouth.
08/09/2010 13:40	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
08/09/2010 14:30	COMPLETE	CC-01	10015464	Crawford Creek- Upstream Hammond Ave- Station #1
09/14/2010 09:56	COMPLETE	CPC-2	10029826	Central Park (Faxon) Creek at Central Park
10/06/2010 10:45	COMPLETE	BC-01	10007599	Balsam Creek at Deadham Rd
10/26/2010 10:15	COMPLETE	CPC-2	10029826	Central Park (Faxon) Creek at Central Park
	SCHEDULED	20100427-16-01	10029826	Central Park (Faxon) Creek at Central Park
	SCHEDULED	20100427-16-01	10029826	Central Park (Faxon) Creek at Central Park
	SCHEDULED	20100428-16-03	10029778	Bear Creek at CTH Z
	SCHEDULED	20100428-16-04	10015463	Bluff Creek- Upstream Valley Brook Rd- Station #2
	SCHEDULED		10030180	Unnamed trib. to Copper Creek upstream of Neuman Rd.

Documents

Title	Description	Author	Published	Comments
303D PROPOSED PROJECT BUDGET		Cordell Manz		

Budget

April 11, 2011

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Code	Description	Quantity	Units	Unit Cost	Total Cost
Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost

Total SLOH Lab Costs: \$0.00