

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SER_01_CMP12
Name: SER_01_CMP12 - Root River Biological Community Monitoring
Type: Targeted Monitoring
Subtype: Special Project
Status: ACTIVE
Start Date: 07/01/2011
End Date: 06/30/2012
Purpose: Conduct biological community monitoring in support of development of the Root River Watershed Restoration Plan, and as Identification, Validation, and Improvement of the 303(d) Impaired Waters List.

The fish community at ten sites within the Root River Watershed will be assessed, along with a qualitative fish habitat assessment at each site. Additionally, the macroinvertebrate communities of 40 sites within the Root River Watershed will be sampled.

Objective: It should be noted that the Root River Watershed has three portions listed on the 303(d). This monitoring will also serve to validate and improve these listing, and identify potential additional listings within the Watershed.

Objective: Project Justification:
 DNR, Root-Pike Watershed Initiative Network, Sweet Water Trust, MMSD, and Racine County, as well as other stakeholders, are funding SEWRPC to draft the Root River Watershed Restoration Plan. The aquatic biological community assessment proposed here will be in support of the drafting of the Restoration Plan, and will allow sound planning and the setting of restoration goals.

Comments: Category 4: New Projects - Conduct Monitoring for Watershed Planning

Outcome: Performance Measures:
 1) Number of sample sites associated with the project. 40 2) Number of sampling events associated with project. 50 3) Estimated date when sample collection will be complete. November 28th, 2011. 4) Estimated date when all data will be entered into appropriate database. July 15th, 2012. 5) Estimated date when final report will be complete. January 15th, 2013.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	COORDINATOR	ACTIVE	07/01/2011	06/30/2012	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
01/28/2011	MOLLI MACDONALD	Proposed	
01/17/2012	Craig Helker	Progress: 50-75% Complete	Fish community and macroinvertebrate sampling completed.
10/03/2012	Craig Helker	Progress: 75-100% Complete	Lab analysis complete. Drafting report, expect completion 12/15/2012.
02/05/2013	Craig Helker	Progress: 75-100% Complete	Update - Report to be completed 02/15/2013
10/15/2013	Craig Helker	Progress: 75-100% Complete	SEWRPC report in draft stage http://www.sewrpc.org/SEWRPC/Environment/Root-River-Watershed-Restoration-Plan.htm . Will be finalized by 12/31/2013.
05/14/2014	Craig Helker	Progress: 75-100% Complete	Data summarized and provided to SEWRPC. Report will be finalized 07/31/2014.
12/12/2014	Craig Helker	Complete	Plan completed by SERPC, and available at: http://www.sewrpc.org/SEWRPC/Environment/Root-River-Watershed-Restoration-Plan.htm

Project Status Detail

Answer Set: DEFAULT

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- | Question | Answer |
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| 5. FTE Hours (Funds) Needed | |
| 6. LTE Hours (Funds) Needed | |
| 7. Supplies - Describe in Detail | |
| 8. Describe Travel Needed | |
| 9. UWSP Samples (Number) | |
| 10. Additional Contractual dollars - Who? What? and How much? | |
| 11. Equipment - What is needed and Why? (New Equipment, Cost?) | |
| 12. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment]. | |
| 13. State Lab of Hygiene Analyses: Describe the number and type of parameters - See Worksheet | |
| 14. Partner Contributions: Describe any funding provided by other DNR programs or non-DNR contributions. | |
| 18. Regional Priority by Category (ex: Cat. 1-1st, Cat. 2-2nd) | |

Actions

Action	Detailed Description	Start	End Date	Status
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Monitoring Stations

Station ID	Name	Comments
10035053	Crayfish Creek at County Line Rd	
10036930	Dale Creek at Southway	
10016033	East Branch Root River Canal - 15 Ft Upstream Of Cth K Rd (4 Mird)	
10017142	East Branch Root River Canal 190 M Downstream Of Sth 11	
10020780	East Branch Root River Canal-10 Feet Downstream Hwy A Bridge.	
413668	Franklin Trib To Root - 1m (Bi Sur)	Franklin Tributary @ 60th Street
10034936	Franklin Trib to Root near W Claire Ct	
523106	Hoods Creek at Brooks Rd 4m(Bi Sur)	Hoods Creek @ Brooks Road
523105	Hoods Creek at Cth H 2m (Bi Sur)	Hood Creek @ Hwy H - downstream
523103	Hoods Creek at Hwy 20 1m (Bi Sur)	Hood Creek @ Hwy 20
523104	Hoods Creek at Hwy 38 3m (Bi Sur)	Hoods Creek @ Sth 38
10033716	Husher Creek - 20 meters upstream of Five Mile Road	Husher Creek @ 5-Mile Road
523107	Husher Creek Site 1m (Biological Survey) at 7 1/2 Mile Rd Near Caledonia WI	Husher Creek @ 7 1/2 Mile Road
523108	Kilbournville Trib - 1m (Bi Sur)	Kilbourneville Tributary @ 7-Mile Road
10036970	Legend Creek at 68th St S	
523109	Raymond Creek at 4 Mile 1m (Bi Sur)	Raymond Creek @ Cty Hwy K (4-Mile Road)
10010428	Root River - #2 at 5 Mile Rd.(Upstream)	Root @ 5-Mile Road
523168	Root River - 1208-B at County Line Rd E of Hwy 38	
10015783	Root River - Station 1 at Lincoln Park(Spring St.) 25 Feet Upstream. 1st Aban-Doned Bridge Upstream Spring Street Bridge	Root @ Lincoln Prk
10016284	Root River -At Johnson Park Down-Stream Of Foot Bridge.	Root @ Johnson Park
10009355	Root River 1 At Hwy V/13th St	
413722	Root River Canal - Upst Conf/ Root R	Root River Canal @ Upstream Confluence Root River

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Station ID	Name	Comments
10009322	Root River Canal At 5 Mile Road	Root River Canal @ 5-Mile Road
10036980	Root River Canal East Branch	
523135	Root River Canal West Branch - Above U G Stp	Root River Canal @ W-Branch at 67th Drive
523116	Root River Canal West Branch at 4 Mile Rd	Root River Canal W-Branch @ 4-Mile Road
523111	Root River Canal at 7 Mi 1m (Bi Sur)	Root River Canal @ 7-Mile Road
523115	Root River at 4 Mile Rd	Root River @ 4-Mile Road
523100	Root River at 6 Mile 5m (Bi Sur)	Root @ Hwy G (6-Mile Road)
413667	Root River at 60th 3m (Bi Sur)	Root @ 60th Street
413665	Root River at Beloit 1m (Bi Sur)	Root @ Hwy T (Beloit Rd.)
10008263	Root River at Hwy 31	Root @ Hwy 31
523099	Root River at Hwy 38 4m (Bi Sur)	Root @ Hwy 38
413718	Root River at Oakwood Rd	Root River @ Oakwood Rd.
413669	Root River at Rawson 2m (Bi Sur)	Root @ Hwy BB (Rawson)
413716	Root River at W Grange Avenue (HWY HH)	
413717	Root River at W Ryan Road (HWY 100)	
10010426	Root River1 at Spring St. (Upstream)	Root @ Spring Street
10008087	Ryan Creek	
413721	Tess And Hales Corners Cr - Bel Conf	Tess-Hales Corners Creek @ Below Confluence
413720	Tess Corners Creek - Upst Mallard Lk	Tess Corners Creek @ Upstream Whitnall Park Lagoc
10035021	Unnamed (Tess Corners) Creek - below conf. w/Hales Corners Creek	
10035054	Unnamed Tributary (Wildcat Creek) at Hwy 100	
10035052	Unnamed Tributary at Frontage Rd	
10022291	West Branch Root River Canal at Two Mile Rd	
413666	Whitnall Park Trib - 4m (Bi Sur)	Tess Corners Creek @ Upstream Confluence Hales C
523114	Yorkville Trib at Hwy 20 1m (Bi)	Yorkville Tributary @ Sth 20

Assessment Units

WBIC	Segment	Local Name	Official Name
2900	1	Root River	Root River
2900	2	Root River	Root River
2900	3	Root River	Root River
2900	4	Root River	Root River
3100	1	Hoods Creek	Hoods Creek
3385	1	Unnamed	Unnamed
3500	1	Husher Creek (Hoosier)	Husher Creek
3500	2	Husher Creek	Husher Creek
3600	1	Kilbournville Trib	Unnamed
4300	1	Root River Canal	Root River Canal
4500	1	West Branch Root River Canal	West Branch Root River Canal
4500	3	West Branch Root River Canal	West Branch Root River Canal
4500	4	West Branch Root River Canal	West Branch Root River Canal
4600	1	Raymond Creek	Raymond Creek
4800	1	Yorkville Trib	Unnamed
4900	1	East Branch Root River Canal	East Branch Root River Canal
5100	1	Ryan Creek	Ryan Creek
5300	1	Franklin Trib	Unnamed
5550	1	Legend Creek	Legend Creek

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WBIC	Segment	Local Name	Official Name
6000	1	Dale Creek	Dale Creek
6200	1	Tess Corners Creek	Unnamed
7635	1	Wildcat Creek	Unnamed
5038857	1	Local Water	Unnamed

Lab Account Codes

Account Code	Description	Start Date	End Date
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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
11/03/2011	COMPLETE	20111103-41-02	10035054	Unnamed Tributary (Wildcat Creek) at Hwy 100
11/03/2011	COMPLETE		413665	Root River at Beloit 1m (Bi Sur)
11/04/2011	COMPLETE	20111104-41-05	10034936	Franklin Trib to Root near W Claire Ct
11/04/2011	COMPLETE	20111104-52-01	10016033	East Branch Root River Canal - 15 Ft Upstream Of Cth K Rd (4 Mird)
11/04/2011	COMPLETE		10035021	Unnamed (Tess Corners) Creek - below conf. w/Hales Corners Creek
11/04/2011	COMPLETE		413669	Root River at Rawson 2m (Bi Sur)
11/04/2011	COMPLETE		413720	Tess Corners Creek - Upst Mallard Lk
11/04/2011	COMPLETE		523109	Raymond Creek at 4 Mile 1m (Bi Sur)
11/04/2011	COMPLETE		413666	Whitnall Park Trib - 4m (Bi Sur)
11/07/2011	COMPLETE	20111107-41-02	413716	Root River at W Grange Avenue (HWY HH)
11/07/2011	COMPLETE		10009322	Root River Canal At 5 Mile Road
11/07/2011	COMPLETE		523111	Root River Canal at 7 Mi 1m (Bi Sur)
11/07/2011	COMPLETE		413718	Root River at Oakwood Rd
11/08/2011	COMPLETE		10015783	Root River - Station 1 at Lincoln Park(Spring St.) 25 Feet Upstream. 1st Aban-Doned Bridge Upstream Spring Street Bridge
11/08/2011	COMPLETE		10008263	Root River at Hwy 31
11/08/2011	COMPLETE		10016284	Root River -At Johnson Park Down-Stream Of Foot Bridge.
11/16/2011	COMPLETE		523115	Root River at 4 Mile Rd
11/16/2011	COMPLETE		523104	Hoods Creek at Hwy 38 3m (Bi Sur)
11/16/2011	COMPLETE		523103	Hoods Creek at Hwy 20 1m (Bi Sur)
11/16/2011	COMPLETE		523106	Hoods Creek at Brooks Rd 4m(Bi Sur)
11/16/2011	COMPLETE		523105	Hoods Creek at Cth H 2m (Bi Sur)
11/17/2011	COMPLETE	20111117-41-01	10009355	Root River 1 At Hwy V/13th St
11/17/2011	COMPLETE		523116	Root River Canal West Branch at 4 Mile Rd
11/17/2011	COMPLETE		523107	Husher Creek Site 1m (Biological Survey) at 7 1/2 Mile Rd Near Caledonia WI
11/17/2011	COMPLETE		10010428	Root River - #2 at 5 Mile Rd.(Upstream)
11/21/2011	COMPLETE	20111121-52-02	10017142	East Branch Root River Canal 190 M Downstream Of Sth 11
11/21/2011	COMPLETE	20111121-52-03	10020780	East Branch Root River Canal-10 Feet Downstream Hwy A Bridge.
11/21/2011	COMPLETE	20111121-52-05	523168	Root River - 1208-B at County Line Rd E of Hwy 38

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Start Date	Status	Field ID	Station ID	Station Name
11/22/2011	COMPLETE	20111122-41-01	413717	Root River at W Ryan Road (HWY 100)
11/22/2011	COMPLETE	20111122-41-03	413722	Root River Canal - Upst Conf/ Root R
11/22/2011	COMPLETE		413667	Root River at 60th 3m (Bi Sur)
11/30/2011	COMPLETE	20111130-41-01	10036970	Legend Creek at 68th St S
11/30/2011	COMPLETE	20111130-52-02	10035052	Unnamed Tributary at Frontage Rd
11/30/2011	COMPLETE	20111130-52-02	523135	Root River Canal West Branch - Above U G Stp
11/30/2011	COMPLETE	20111130-52-03	10035053	Crayfish Creek at County Line Rd
11/30/2011	COMPLETE		523108	Kilbournville Trib - 1m (Bi Sur)
12/01/2011	COMPLETE	20111201-41-01	10008087	Ryan Creek
12/01/2011	COMPLETE	20111201-52-01	10036980	Root River Canal East Branch
12/01/2011	COMPLETE	20111201-52-02	10022291	West Branch Root River Canal at Two Mile Rd
12/01/2011	COMPLETE		523100	Root River at 6 Mile 5m (Bi Sur)
12/01/2011	COMPLETE		523114	Yorkville Trib at Hwy 20 1m (Bi)
12/02/2011	COMPLETE	20111202-41-01	10036930	Dale Creek at Southway

Documents

Title	Description	Author	Published	Comments
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Budget

Budget Description: Budget for SER_01_CMP12 - Root River Biological Community Monitoring	Start Date: 07/01/2011	End Date: 06/30/2012
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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours	240	Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary	100	Hours	\$13.00	\$1,300.00	
LTE FR	LTE Fringe				\$321.10	
LTE IND	LTE Indirect				\$262.13	
LTE TOT	LTE Total Cost				\$1,883.23	
SUPPLY	Supplies				\$0.00	
MILEAGE	Mileage	910	Miles	\$0.72	\$655.20	
MEAL	Meals	6	Meals	\$9.00	\$54.00	Lunches for LTE
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$709.20	
BUG	Bug Contracts	40		\$165.00	\$6,600.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment	1		\$500.00	\$500.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$9,692.43	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
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Total SLOH Lab Costs: \$0.00
Total Budget: \$9,692.43

Combined Budgets: \$9,692.43
Combined SLOH: \$0.00
Combined Total: \$9,692.43

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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