

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SER_05_CMP09
Name: Lower Root River Racine Health Department WQ Sampling Partnership SER_05_09
Type: Targeted Monitoring
Subtype: Special Project
Status: COMPLETE
Start Date: 07/01/2008
End Date: 06/30/2009
Purpose: Project Description: The City of Racine Health Department will be conducting e-coli and additional water quality sampling on a weekly basis at 25 locations on the lower Root River in the City of Racine from May, 2008 until June, 2009.

Proposing that the Department fund monthly Total P., Total Dissolved P., Nitrate-Nitrite, Ammonia, and Total Kjeldahl Nitrogen SLOH analysis (and associated shipping) from three locations within the City's study area for the project duration, starting in July, 2008.

Objective: The upper portion of the Root River is listed on the 303(d) list for Phosphorus. This data collection, in conjunction with another Special Project in the upper Root River, will serve to verify this 303(d) listing and document current nutrient levels in the lower and upper portions of the river. Additionally, as the City of Racine will already be conducting extensive wq monitoring, it is cost effective to have them conduct this sampling in conjunction with their other sampling events.

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

Outcome:

- 1) Sample sites - 3
- 2) Sampling events - 12.
- 3) Date when sample collection will be complete - June, 2009.
- 4) Estimated date when all data will be entered into appropriate database - September, 2009.
- 5) Estimated date when final report will be complete - December, 2009.

Study Design:
QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helker, Craig D	COORDINATOR	ACTIVE	07/01/2008	12/31/2009	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
03/25/2008	JOHN MASTERSON	Proposed	
01/21/2011	Craig Helker	Complete	

Project Status Detail

Answer Set: DEFAULT

Question	Answer
5. FTE Hours (Funds) Needed	40
6. LTE Hours (Funds) Needed	0
7. Supplies - Describe in Detail	\$240.00 for misc. supplies.
8. Describe Travel Needed	0
9. UWSP Samples (Number)	0
10. Additional Contractual dollars - Who? What? and How much?	0
11. Equipment - What is needed and Why? (New Equipment, Cost?)	0
12. Capital Equipment >\$5,000 - Describe needed equipment [Note: Federal funds cannot be used to purchase capital equipment].	0
13. State Lab of Hygiene Analyses: Describe the number and	\$4,326.84 for the analysis of 36 surface water samples for ammonia,

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Question

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)

Answer

nitrate plus nitrite N, TKN, total phosphorus, and dissolved ortho. phosphorus.

City of Racine will collect samples, and has an additional 22 sample locations for analysis. City of Racine will pick up most of the costs of the project.

Category 2 - 1st.

Actions

Action	Detailed Description	Start	End Date	Status
Monitor to Evaluate Projects	Partnership project for nutrient monitoring in lower Root River	07/01/2008	12/31/2009	PROPOSED

Monitoring Stations

Station ID	Name	Comments
10012422	Bark River - Nemahbin Roller Mill Dam Impoundment - Central	
10012307	Bark River at Hwy 67	
523061	Root River - Root River At Johnson Park	
10028994	Root River Colonial Park	
10028993	Root River at Washington Park	

Assessment Units

WBIC	Segment	Local Name	Official Name
2900	1	Root River	Root River
2900	3	Root River	Root River
813500	2	Bark River	Bark River
827700	1	Applebecker Millpond	Applebecker Millpond

Lab Account Codes

Account Code	Description	Start Date	End Date
WT089	SPECIAL PROJECTS	07/01/2007	06/30/2008
WT098	WATER QUALITY SPECIAL PROJECTS	07/01/2008	06/30/2009

Forms

Form Code	Form Name
INORGANIC	Inorganic Lab - Field Data

Methods

Method Code	Description
GRAB SAMPLE	Water Grab Sample Guidelines and Procedures 2005

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
07/14/2008 09:25	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park
07/16/2008 09:10	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
07/16/2008 09:15	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
08/04/2008 09:25	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park

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Start Date	Status	Field ID	Station ID	Station Name
08/06/2008 09:30	COMPLETE	JOHNSONPRK	523061	Root River - Root River At Johnson Park
08/06/2008 10:10	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
09/08/2008 09:02	COMPLETE	CEDARBND_0	10028993	Root River at Washington Park
09/09/2008 09:10	COMPLETE	JOHNSPK_.5	523061	Root River - Root River At Johnson Park
09/18/2008 10:35	COMPLETE	COLPARK_.5	10028994	Root River Colonial Park
10/06/2008 09:00	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park
10/21/2008 09:35	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
10/21/2008 10:10	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
11/19/2008 12:00	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park
11/21/2008 12:00	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
11/21/2008 12:00	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
12/10/2008 10:48	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
12/10/2008 11:05	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
01/13/2009 14:40	COMPLETE		523061	Root River - Root River At Johnson Park
01/13/2009 15:10	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
02/07/2009	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
02/08/2009	COMPLETE	CEDAR PARK	10028993	Root River at Washington Park
03/04/2009 08:40	COMPLETE	JOHNSON PK	523061	Root River - Root River At Johnson Park
03/04/2009 09:00	COMPLETE	COLONIALPK	10028994	Root River Colonial Park
03/08/2009 12:00	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park
04/15/2009 09:40	COMPLETE	JOHNSON PARK	523061	Root River - Root River At Johnson Park
04/15/2009 09:55	COMPLETE	COLONIAL PARK	10028994	Root River Colonial Park
04/19/2009	COMPLETE	CEDAR PARK	10028993	Root River at Washington Park
05/07/2009 10:02	COMPLETE	JOHNSON PARK	523061	Root River - Root River At Johnson Park
05/07/2009 10:24	COMPLETE	COLONIAL PARK	10028994	Root River Colonial Park
05/08/2009	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park
06/02/2009 11:05	COMPLETE	JOHNSON PARK	523061	Root River - Root River At Johnson Park
06/02/2009 11:32	COMPLETE	COLONIAL PARK	10028994	Root River Colonial Park
06/03/2009 09:00	COMPLETE	CEDAR BEND	10028993	Root River at Washington Park

Documents

Title	Description	Author	Published	Comments
LOWER ROOT RIVER NUTRIENT MONITORING PARTNERSHIP PROJECT	Excel file of Project Budget	Helker, Craig	03/24/2008	Partnership with City of Racine Health Department
Seasonal and Multi-Parameter Expansion of the Root River Baseline Assessment Within the City of Racine	Raw data summary of 2007 - 2008 field data, collected by the City of Racine Health Department	Kirk J. Abbot	02/09/2009	DNR Partner in funding
Seasonal and Multi-Parameter Expansion of the Root River Baseline Assessment Within the City of Racine - 2008 Root River Site Surveys	Sample site and summary document of Kirk J. Abbott monitoring conducted by the City of Racine Health Department		01/20/2009	DNR Partner in funding

Budget

Combined Budgets:

Combined SLOH:

Combined Total:

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Funding

Organization	Source	Type	Amount	Start Date	End Date
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