

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: SCR_12_CMP12

Name: SCR_12_CMP12 - Rock County CBSM NUTRIENT MONITORING

Type: Targeted Monitoring

Subtype: Volunteer Monitoring

Status: ACTIVE

Start Date: 7/1/2011

End Date: 6/30/2012

Purpose: This is a Nutrient Baseline Monitoring effort to collect nutrient samples on Spring Brook Creek and Blackhawk Creek. The effort was initiated by Rock County LCD. They wanted to collect some baseline water quality samples prior to the 5200 cow dairy applying the first round of liquid manure. The facility will have 390days of storgae and a herd that will gnerate approximately 74 million gallons of manure annually.

Samples will be collected twice a month for (June, July, August, September, March, April, May) Once a month for October, November, and December). Samples will be preserved and mailed to SLOH for analysis.

Objective: Project Justification: Why is the project necessary and what management question is to be addressed?
This is a grass roots effort that has been initiated by Anne Miller and Rock County LCD. This effort will collect "PRE" water quality nutrient samples prior to the application of 73.6 million gallons of Liquid Manure from a 5200 cow dairy that will go in in 2011. The facility will be a permitted facility and will spread the first amount of liquid manure in the fall of 2011. The two stations for the monitoring will be Spring Brook Creek (791300) and Blackhawk Creek (797000). Anne Miller will be the CBSM Volunteer collecting the water chemistry samples for 2011-12. I will train Anne if we are successful in getting funding for the project.

Comments: Project Category 1: EPA Performance Measure SP 12 Project Category 2: 303(d) Impaired Waters List Project Category 3: Continuation of FY2010 Special Projects Project Category 4: New Projects

Outcome: Performance Measures: These are milestones that will be reported on in the Division Quarterly Report. Please estimate dates in a manner that encourages success. 1) Number of sample sites associated with the project. 2) Number of sampling events associated with project. 3) Estimated date when sample collection will be complete. 4) Estimated date when all data will be entered into appropriate database. 5) Estimated date when final report will be complete.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Miller, Anne	COORDINATOR	ACTIVE	7/1/2011	6/30/2012	Rock County Land Conservation Department	
SORGE, MICHAEL J	COORDINATOR	ACTIVE	7/1/2011	6/30/2012	Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
12/21/2011	MICHAEL SORGE	Progress: 25-50% Complete	The first set of sampling has been completed by Anne Miller at Rock County LCD. She has collected July through December samples. Samples have been submitted to SLOH, results are captured in SWIMS, data is being entered into excel spreadsheets for Black Hawk Creek and Spring Brook Creek. Sampling will continue till June 2013. Anne has made great efforts to make this project happen and deserves a great deal of credit for the success of this project.

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8/10/2012	MICHAEL SORGE	Progress: 75-100% Complete	Sampling for 2011 and 2012 has been completed. The last round of samples was for the month of June 2012. Samples have all been processed at SLOH. Lab results are all captured in SWIMS and STORET. Data summarization and analysis needs to be completed during the Fall and Winter of 2012.
12/2/2014	MICHAEL SORGE	Progress: 75-100% Complete	Need to talk with Rock County and finalize report

Actions

Action	Detailed Description	Start Date	End Date	Status
Citizen-Based Stream Monitoring	SCR_12_CMP12 - Rock County CBSM nutrient monitoring project with WDNR.	6/30/2012		COMPLETE

Monitoring Stations

Station ID	Name	Comments
10029733	Blackhawk Creek at STH 14	
10010968	Spring Brook Creek at Carvers Rock Bend	

Assessment Units

WBIC	Segment	Local Name	Official Name
791300	1	Spring Brook T02n R14e S27	Spring Brook
797000	1	Blackhawk Creek	Blackhawk Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
WT116	CITIZEN RIVER MONITORING	6/3/2010	6/30/2011
WT134	CITIZEN RIVER MONITORING	7/1/2011	6/30/2012

Forms

Form Code	Form Name
VOL_RIVER	Citizen-Based Stream Monitoring

Methods

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

Fieldwork Events

Start Date	Status	Field ID	Station ID	Station Name
5/27/2011 14:30	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
7/8/2011 14:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
7/13/2011 14:25	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
7/13/2011 14:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
7/13/2011 16:25	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
7/13/2011 16:25	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14

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7/26/2011 16:11	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
7/26/2011 16:11	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
7/26/2011 16:15	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
7/26/2011 16:55	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
7/26/2011 16:55	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
8/10/2011 14:30	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
8/10/2011 14:40	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
8/10/2011 14:40	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
8/10/2011 15:50	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
8/10/2011 15:50	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
8/19/2011 15:45	COMPLETE		10029733	Blackhawk Creek at STH 14
8/24/2011 14:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
8/24/2011 15:00	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
8/24/2011 15:30	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
8/24/2011 15:45	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
9/7/2011 14:50	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
9/7/2011 15:00	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
9/7/2011 15:00	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
9/7/2011 16:20	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
9/7/2011 16:20	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
9/29/2011 15:55	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
9/29/2011 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
9/29/2011 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
9/29/2011 16:45	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
9/29/2011 16:45	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
10/13/2011 15:00	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
10/13/2011 15:15	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
10/13/2011 15:15	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
10/13/2011 16:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
10/13/2011 16:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
11/10/2011 15:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
11/10/2011 15:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
11/10/2011 16:35	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
11/10/2011 16:35	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
12/15/2011 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend

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12/15/2011 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
12/15/2011 16:10	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
12/15/2011 16:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
12/15/2011 16:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
3/14/2012 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
3/14/2012 16:10	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
3/14/2012 16:10	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
3/14/2012 16:35	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
3/14/2012 16:35	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
3/26/2012	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
3/29/2012	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
3/29/2012 15:35	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
3/29/2012 15:35	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
3/29/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
4/12/2012 15:40	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
4/12/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
4/12/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
4/12/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
4/12/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
4/26/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
4/26/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
4/26/2012 15:45	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
4/26/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
4/26/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
4/26/2012 16:15	COMPLETE		10029733	Blackhawk Creek at STH 14
5/10/2012 17:00	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
5/10/2012 17:00	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
5/10/2012 17:00	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
5/10/2012 17:30	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
5/10/2012 17:30	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
5/10/2012 17:30	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
5/24/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
5/24/2012 15:45	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
5/24/2012 15:45	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
5/24/2012 16:20	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14

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5/24/2012 16:20	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
5/24/2012 16:20	COMPLETE		10029733	Blackhawk Creek at STH 14
6/4/2012 15:30	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
6/4/2012 15:30	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
6/4/2012 16:15	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
6/21/2012 16:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
6/21/2012 16:50	COMPLETE	SBC-1	10010968	Spring Brook Creek at Carvers Rock Bend
6/21/2012 16:50	COMPLETE		10010968	Spring Brook Creek at Carvers Rock Bend
6/21/2012 17:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14
6/21/2012 17:40	COMPLETE	BHC-1	10029733	Blackhawk Creek at STH 14

Documents

Title	Description	Author	Published	Comments
SCR_12_CMP12 - Rock County CBSM NUTRIENT MONITOR Final Project Summary		WDNR	12/10/2012	
SCR_12_CMP12 - Rock County CBSM NUTRIENT MONITORING CBSM REPORT		Sorge, Mike	12/10/2012	

Budget

**Wisconsin Department of Natural Resources
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Budget Description: Budget for SCR_12_CMP12 - Rock County CBSM
NUTRIENT MONITORING

Start Date: 7/1/2011

End Date: 6/30/2012

Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
FTE	FTE Hours		Hours	\$0.00	\$0.00	
LTE SAL	LTE Salary		Hours	\$13.00	\$0.00	
LTE FR	LTE Fringe				\$0.00	
LTE IND	LTE Indirect				\$0.00	
LTE TOT	LTE Total Cost				\$0.00	
SUPPLY	Supplies	1		\$350.00	\$350.00	postage costs for mailing samples to SLOH
MILEAGE	Mileage	525	Miles	\$0.72	\$378.00	Anne, mileage to go collect all samples
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$378.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$728.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
B152ALT	E COLI ENZYMATIC SUBTRATE QUANTITRAY MPN	WATER MICROBIOLOGY	34	\$37.00	\$1,258.00
I440NLD	AMMONIA (AS N), DISS (EPA 350.1)	INORGANIC CHEMISTRY	34	\$25.89	\$880.26
I460GLT	NITRATE + NITRITE (AS N) (EPA 353.2)	INORGANIC CHEMISTRY	34	\$27.00	\$918.00
I520PLT	TOTAL PHOSPHORUS (AS P) (EPA 365.1)	INORGANIC CHEMISTRY	34	\$23.60	\$802.40

Total WSLH Lab Costs: \$3,858.66

Total Budget: \$4,586.66

Combined Budgets: \$728.00

Combined WSLH: \$3,858.66

Combined Total: \$4,586.66

Funding					
Organization	Source	Type	Amount	Start Date	End Date