

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ARRA_Project17 WTDQ
Name: ARRA 17 Brown County Targeted Performance Standards Grant 2P-00E73201
Type: Grant Project
Subtype: ARRA Pass Through Project
Status: COMPLETE
Start Date: 12/09/2009
End Date: 09/30/2010
Purpose: TMDL implementation planning for the Lower Fox, Plum, and East River Watersheds; contact with Brown Count LCD.
Objective: Support of Targeted Performance Standards & TMDL Implementation in Brown County.

This proposal will help County staff implement actions related to the Clean Water Act and DNR's targeted performance standards for nonpoint source pollution. A TMDL is in development for the Lower Fox River Basin and a cost optimization framework is being developed for Plum and East River Watersheds. This modeling will help determine the most cost effective pollutant control measures for these watersheds. These monies will be used by Brown County Land Conservation Department to evaluate these management practices and further plans toward targeted performance measures for these watersheds, to determine what is needed to meet load allocations determined by the TMDL.

Comments: DUNS #: _____ CCR#: _____
 Total project award: \$40,000

Outcome: County Staff would:
 - Gather data from farmers including detailed information from Nutrient Management Plans, in particular, in the Plum and East River Watersheds in Brown County.
 - Use part of the grant to collect supplemental data for fields that do not have soil tests.
 - Input appropriate data into SNAP-Plus.
 - Create a GIS map displaying PI values for targeting resources to reduce phosphorus loading in the Plum and East River Watersheds as part of planning for Lower Fox River TMDL Implementation.

Study Design:

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Brown County LCD, CLAYTON, NICOLE L	GRANT_RECIP PROJECT_OFFI	ACTIVE COMPLETE	10/03/2009	12/31/2009	Brown County LCD Wisconsin DNR	

Project Statuses

Date	Reported By	Status	Comments
04/15/2010	NICOLE CLAYTON	Progress: 0-25% Complete	Brown County is assembling nutrient management plan data and has a deadline for farmers to submit all NMPs by June 1. Staff are working on compiling this data and ordering computers (separate grant) to work on mapping soil phosphorus levels in the TMDL watersheds. Entering of the data will begin after June 1st to begin to create maps for targeting fields for TMDL Implementation.
07/16/2010	NICOLE CLAYTON	Active	Nutrient management plans are in process of being assembled and organized by TMDL watershed. Deadline for submittal of nutrient management plans for 2010 is June 1st by farmers/consultants but some NMPS are late from farmers because of unusual wet conditions. Files are being created that will hold electronic copies of all past and future NMP 590 plans organized by year and geographic region.
10/19/2010	MOLLI MACDONALD	Complete	Submitted by Bill Hafz: A draft of the project report will include the maps produced in this project. When the project report is finished and has been reviewed by our staff, information services and our LIO office, it will be emailed and them attached to this project.

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Date	Reported By	Status	Comments
01/10/2011	NICOLE CLAYTON	Complete	<p>I would like to have the project report include the process we used described so that other counties could choose to use the same process if they wish. It is one of the first attempts that I have seen that has capability to monitor soil phosphorus levels in field by field map format where we will be able to target NPM efforts and monitor results and display the trends.</p> <p>This project is complete. The final report and map has been sent to Central Office and distributed to the appropriate nonpoint source management staff. This is to be used by Brown County for TMDL Implementation and Nonpoint Source Pollution management.</p>

Project Status Detail

Answer Set: DEFAULT

Question

1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):
2. Amount expended this time period:

Answer

Q5 (October 1-December 31)

Land and Water Conservation Department

Bill Hafs	4 hrs @41.79	=\$167.16
Brent Petersen	160 hrs @30.19	=\$4,830.40
Paul Lemke	140 hrs @30.19	=\$4,226.60
Brad Holtz	140hrs @30.19	=\$4,226.60

Information services department

Darwin Gaster	0 hrs @\$41.74/hr	=\$0
Jeff DuMez	18 hrs @53.74/hr	=\$967.32

3. Subcontracts or subgrants awarded this period:
4. Number work hours created or maintained to date:

None

Quarter 1 = 8.3 hours	\$366.05
Quarter 2 = 524.9 hours	\$16,374.38
Quarter 3 = 392.4 hours	\$12,375.50
Quarter 4 = 462 hours	\$14,418.08

5. Work accomplished this reporting period:

Total 4 qtrs = 1,387.60 hr \$43,533.51

Information services/Land information office (Jeff DuMez)

?Worked on getting the Ag GIS data to synchronize properly between the field Toughbook computers and the GIS server
 ?Identified need to update our GIS server software in order to achieve these goals
 ?Assisted Information Services with conversion of Ag inventory tables from the AS/400 to the GIS database
 ?Assisted Information Services with creating SQL ?Views? needed to create the ag inventory form letters
 ?Computed the ?Ag_ID? field on the ?Ag_Parcels? GIS layer
 ?Assisted with the setup of the Toughbook laptop computers
 ?Assisted Land Conservation Staff with the farm field GIS edits
 ?Created the Non Compliant point GIS layer
 ?Met with staff from I.S. and Outagamie County to go over the software implementation
 ?Conference calls between I.S. and Land Conservation to discuss status, needs
 ?Assisted Land Conservation staff with GIS mapping
 ?Continued documentation & training

Land and Water Conservation Department

? Accumulation of NMP data from private agronomists and farmers.

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Question

Answer

- ? Locating plans (fields) in TMDL watersheds.
- ? Organizing plans by sub watersheds in TMDL.
- ? Nutrient Management Plan reviews.
- ? Nutrient Management Plan site reviews.
- ? Entering PI data on farm fields on tough book as layer.

6. Work goals for coming reporting period:

Project is complete, entry of nutrient management data from nutrient management plans has been placed on maps.

7. Overall project status:

2010 Nutrient management plans have been scanned and are organized by TMDL watershed.
 ? Deadline for submittal of nutrient management plans for 2010 is June 1st by farmers/consultants. Some nutrient management plans were late from farmers this year because of unusual wet conditions which delayed data entry.
 ? Files are created that will hold electronic copies of all past and future NMP 590 plans organized by year and geographic region.
 ? Tough book computers and software from Outagamie County were purchased and was set up by Brown County Information Services for GIS map creation for project and electronic management of NMP 590 plans.
 ? Training of LWCD staff on Tough book has been completed. Additional training may be needed for additional phosphorus mapping functions.
 ? Complete project report which will include phosphorus maps is in process of being written and will be sent to DNR within a couple of weeks after review and editing by all the staff who entered data and contributed to the grant.
 ? The project report will include steps for other counties to follow if they wish to digitize nutrient management maps and use maps as method to target nutrient management efforts and monitor progress.

8. WDNR Question: Job equivalent Created

Actions

Action	Detailed Description	Start	End Date	Status
TMDL Implementation	Identify Targeted Best Management Practices locations	*****	10/03/2010	IN_PROGRESS
Runoff Evaluation	Identify Targeted Best Management Practices locations	*****	12/31/2099	PROPOSED
ATTAINS Follow-up monitoring conducted	This proposal will help County staff implement actions related to the Clean Water Act and DNR's targeted performance standards for nonpoint source pollution.	*****	09/30/2010	IN_PROGRESS
Details:	Parameter	Value/Amount	Units	Comments
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			
ATTAINS TMDL	This proposal will help County staff implement actions related to the Clean Water Act and DNR's targeted performance standards for nonpoint source pollution.	*****	09/30/2010	IN_PROGRESS
Details:	Parameter	Value/Amount	Units	Comments
	Degraded Biological Community			
	PCBs			
	Total Nitrogen			
	Total Phosphorus			
	Total Suspended Solids			

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
118000	1	East River	East River

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
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Documents

Title	Description	Author	Published	Comments
ARRA 17 Brown County Targeted Performance Standards Contract	ARRA 17 Brown County Targeted Performance Standards Contract	Wdnr	11/04/2009	
ARRA 17 Brown County Targeted Performance Standards Project Description	ARRA 17 Brown County Targeted Performance Standards Project Description	Wdnr	05/23/2009	
ARRA_17_FinalQuarterlyReport	Grant Report		12/01/2011	
ARRA_17_Q1FFY11_Report	Grant Report		01/31/2011	
ARRA_17_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_17_Q2FFY11_Report	Grant Report		04/29/2011	
ARRA_17_Q3FFY10_Report	Grant Report		07/30/2010	
ARRA_17_Q4FFY10_Report	Grant Report		11/01/2010	
Brown County Map for Great Lakes Grant	Brown County Map for Great Lakes Grant		03/12/2012	
Mapping Agricultural Field Phosphorus and P index Values to Target Resources to Reduce Phosphorus Draft Final Report		Bill Haks, et al	09/10/2011	
Updated Phosphorus Index Map Lower Fox River TMDL		TMDL Team, UW Basin Educators	09/12/2011	

Budget

Budget Description: Budget for ARRA 17 Brown County Targeted Performance Standards Grant 2P-00E73201 **Start Date:** 12/09/2009 **End Date:** 09/30/2010

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				\$0.00	
MILEAGE	Mileage		Miles	\$0.72	\$0.00	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$0.00	
BUG	Bug Contracts				\$0.00	
OTHER	Other Contracts				\$0.00	
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$0.00	

Test Code	Description	Test Group	# Planned	Unit Cost	Total Cost
Total SLOH Lab Costs:				\$0.00	
Total Budget:				\$0.00	
Combined Budgets:				\$0.00	
Combined SLOH:				\$0.00	
Combined Total:				\$0.00	

Funding

Organization	Source	Type	Amount	Start Date	End Date
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