

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ARRA_Project14 WTDN
Name: ARRA 14 Sheboygan River Basin Partnership Willow Creek Grant 2P-00E73201
Type: Grant Project
Subtype: ARRA Pass Through Project
Status: COMPLETE
Start Date: 12/21/2009
End Date: 03/31/2011
Purpose: Willow Creek Contract & Willow Creek comprehensive watershed protection and improvement plan; contract with the Sheboygan River Basin Partnership.
Objective: Today, the single largest threat facing Willow Creek is development. Previous development in the watershed has degraded the stream through channelization, stream diversion, increase in impervious area, diversion of groundwater springs, installation of culverts and lengthy stream enclosures, loss of in-stream cover and streambank vegetation, reduced water quality, diminished base flow and degraded habitat. Although future growth in the watershed is inevitable, many of the associated watershed impacts can be minimized or avoided through a better understanding of the baseline conditions and communication of this information to local decision makers and regulators.

The best way to direct stream restoration activities and protection in Willow Creek should include habitat assessment, understanding stream hydrology and potential pollution sources that impair water chemistry and how they relate to the watershed land use. The impact of current and future land use on water quality conditions in Willow Creek are not well understood. Therefore, planning needs to be completed to help guide the types of BMPs and management policies that will be needed to preserve and restore water quality and habitat in the watershed. The watershed plan can identify types of restoration and stream improvement projects that could be implemented.

The purpose of this project is to implement portions of a Willow Creek Comprehensive Watershed Protection and Stream Improvement Plan. The objective is to bring together the stakeholders to develop a comprehensive watershed plan for Willow Creek. Funds sought under this planning grant would assist in the development of data, maps and recommended BMPs which would be used to preserve and enhance habitat, hydrology, water quality, and the biological integrity of Willow Creek within a set of recommendations within a final plan. It is anticipated that DNR FTE staff and SRBP volunteer time would also be utilized for some tasks identified for this watershed planning project.

Comments: Total project award:\$25,500

Outcome:

- Data Collection & soils, land use, topo, aerial, use of approved municipal stormwater plans, floodplain maps, H&H studies & 4 weeks
- Compile GIS Base Maps & 2 weeks
- Delineate planning drainage basins & sub-basins & 3 weeks
- Hydrologic and hydraulic modeling to establish peak discharge, runoff volumes, in-stream flow velocities & 3 weeks
- Estimate sediment loadings & 3 weeks
- Stakeholder Planning Meetings (3) & 9 months
- Development of Management Alternatives & 3 weeks
- Stakeholder Meeting Rank and Prioritize Alternatives & 2 weeks
- Finalize Recommendations and Costs & 2 weeks

People

Name	Role	Status	Start Date	End Date	Organization	Comments
LAST, LAUREL L	COORDINATOR	ACTIVE	04/06/2010		Wisconsin DNR	
PAPPAS, VICTOR C	SUPERVISOR	ACTIVE	10/03/2009	12/31/2009	Wisconsin DNR	
Sheboygan River Basin Partr	GRANT_RECIPII	ACTIVE	10/03/2009		Sheboygan River Basin Partnership	

Project Statuses

Date	Reported By	Status	Comments
04/06/2010	VICTOR PAPPAS	Progress: 0-25% Cor	Project has just been initiated. Future project status will be

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Date	Reported By	Status	Comments
06/30/2010	LAUREL LAST	Progress: 25-50% C	evaluated against project deliverables and shown as a % complete. Project is underway. Project is approximately 25% complete and reflected in June 2010 billings.
09/30/2010	LAUREL LAST	Progress: 50-75% C	Project is underway. Project tasks and costs are approximately 50% complete.
12/31/2010	LAUREL LAST	Progress: 50-75% C	Project is underway. Project tasks are approximately 60% complete.
03/22/2011	LISA HELMUTH	Active	Project extended to March 31st. Determined that the final product will be on time.
03/31/2011	LAUREL LAST	Progress: 75-100% C	Project is underway. Project is nearly complete. Report to be finalized by May 31, 2011.
05/31/2011	LAUREL LAST	Complete	Project is complete. The final Willow Creek Watershed Plan has been received and approved.

Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	Q6 (January-March, 2011)
2. Amount expended this time period:	\$23,936 expended.
3. Subcontracts or subgrants awarded this period:	Prime contractor selected as well as subcontractor. Natural Resource Consulting - Selected as Prime Contractor (Providing all consulting services except those by the selected subcontractor. Shaw Group, Inc. - Selected as Subcontractor (providing modeling services)
4. Number work hours created or maintained to date:	No new jobs created or retained by this grant. All work conducted by consulting agencies. Work conducted by the Sheboygan River Basin Partnership including Grant Administration is volunteer.
5. Work accomplished this reporting period:	Watershed modeling GIS watershed mapping Reporting
6. Work goals for coming reporting period:	Finalize draft report Review draft report with WDNR Finalize reporting Present results at SRBP meeting (open to public)
7. Overall project status:	Project is underway. Project is nearly complete. Report to be finalized by May 31, 2011.
8. WDNR Question: Job equivalent Created	None known

Actions

Action	Detailed Description	Start	End Date	Status
Urban Growth Planning		*****	12/31/2099	PROPOSED
Survey Watershed (Status,Sources,Impairments)		*****	12/31/2099	PROPOSED

Monitoring Stations

Station ID	Name	Comments
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Assessment Units

WBIC	Segment	Local Name	Official Name
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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 14 Sheboygan River Basin Partnership Willow Creek Contract		Wdnr	10/29/2009	
ARRA 14 Sheboygan River Basin Partnership Willow Creek Project Description		Wdnr	05/23/2009	
ARRA_14_Q1FFY11_Report			01/31/2011	
ARRA_14_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_14_Q2FFY11_Report			04/29/2011	
ARRA_14_Q3FFY10_Report			07/30/2010	
ARRA_14_Q4FFY10_Report			11/01/2010	
Willow Creek Watershed Protection and Improvement Plan part 1	Part 1 of final report for ARRA 14 Sheboygan River Basin Partnership Willow Creek Grant 2P-00E73201. Split document into 2 files to meet SWIMS file size limit.	Stantec Consulting Services	05/31/2011	
Willow Creek Watershed Protection and Improvement Plan part 2	Part 2 of final report for ARRA 14 Sheboygan River Basin Partnership Willow Creek Grant 2P-00E73201. Split document into 2 files to meet SWIMS file size limit.	Stantec Consulting Services	05/31/2011	

Budget

Budget Description: Budget for ARRA 14 Sheboygan River Basin Partnership Willow Creek Grant 2P-00E73201	Start Date: 12/21/2009	End Date: 03/31/2011
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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	
MEAL	Meals		Meals	\$9.00	\$0.00	
LODGE	Lodging				\$0.00	
TRAVEL	Travel Total				\$0.00	
BUG	Bug Contracts				\$0.00	

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Code	Description	Quantity	Units	Unit Cost	Total Cost	Comments
OTHER	Other Contracts	1		\$25,500.00	\$25,500.00	budget for partnership
EQUIP	Equipment				\$0.00	
USGS	USGS Costs				\$0.00	
TOTAL	Total Cost (excludes SLOH)				\$25,500.00	

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

Combined Budgets: \$25,500.00

Combined SLOH: \$0.00

Funding

Organization	Source	Type	Amount	Start Date	End Date
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