

## 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:** ACTIVE  
**Start Date:** 12/21/2009  
**End Date:** 10/31/2010  
**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

### Project Statuses

Date	Reported By	Status	Comments
04/06/2010	VICTOR PAPPAS	0-25% Complete	Project has just been initiated. Future project status will be evaluated against project deliverables and shown as a % complete.

### Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	January 1-March 31, 2010
2. Amount expended this time period:	\$0.00 dollars 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

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Question	Answer
	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:	SRBP consultant evaluation and selection Consultant and Subcontractor Retained. Preliminary kickoff conducted. Pre-Project schedule meeting conducted. Review of grant completed.
6. Work goals for coming reporting period:	Formal project kickoff and project plan meeting Conduct data collection Compile GIS Base Maps Coordinate stakeholder activities
7. Overall project status:	Project has just been initiated. Future project status will be evaluated against project deliverables and shown as a % complete.
8. WDNR Question: Job equivalent Created	None known

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	12/31/2099	Wisconsin DNR	
Sheboygan River Basin Partn	GRANT_RECII	ACTIVE	10/03/2009		Sheboygan River Basin Partnership	

Actions					
Action	Detailed Description	Start Date	End Date	Status	
Urban Growth Planning		10/03/2009	12/31/2099	PROPOSED	
Survey Watershed (Status, Sources, Impairments)		10/03/2009	12/31/2099	PROPOSED	

Monitoring Stations		
Station I	Name	Comments

Assessment Units			
WBIC	Segment	Local Name	Official Name

Lab Account Codes			
Account Code	Description	Start Date	End Date

Forms	
Form Code	Form Name

Methods	
Method Code	Description

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 Sheboygan River Basin Partnership Willow Creek Quarterly Report		PAPPAS, VIC	04/06/2010	

**Budget**

Code	Description	Quantity	Units	Unit Cost	Total Cost
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
OTHER	Other Contracts	1		\$25,500.00	\$25,500.00
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