

## Wisconsin Department of Natural Resources SWIMS Project Summary

### General Project Information

**Project ID:** ARRA\_Project13 WTD

**Name:** ARRA 13 Sauk Co. LCD Dept. Clark Creek Grant 2P-00E73201

**Type:** Grant Project

**Subtype:** ARRA Pass Through Project

**Status:** COMPLETE

**Start Date:** 12/17/2009

**End Date:** 03/31/2011

**Purpose:** Clark Creek Contract - Assess flooding and sedimentation impacts to Clark Creek

**Objective:** Clark Creek is a tributary of the Baraboo River located in the Town of Greenfield, Sauk County. The stream is typical of streams that drain the Baraboo Range in that it has very good water quality and actually supports a population of wild Brook Trout.

Hydrologic conditions and stream geomorphology have been radically altered as a result of the flooding of 2008. Sedimentation has greatly impacted habitat in the stream channel and there is a need for a comprehensive planning effort which would guide restoration efforts. The flow dynamics, stream geomorphology, chemical parameters, and biological indices need to be assessed and recommendations developed in conjunction with a comprehensive watershed assessment and planning report. Planning efforts and documentation would emphasize sustainable a sustainable management process that focuses on enhancing water quality, habitat restoration, and floodplain/riparian corridor management.

In June of 2008, storm water run-off from heavy rains deposited four to five feet of sediment in the channel and the floodplain of this reach of Clark Creek. The base flow is flowing on top of the deposited sediment, which saturates the sediment deposits and causes hydrostatic pressures on the basement walls of the residences. Also, since the floodway is full of sediment, there is no flood conveyance capacity for this reach of Clark Creek.

**Comments:** DUNS #: \_\_\_\_\_  
CCR#: \_\_\_\_\_  
30,000

**Outcome:** Water quality and resource assessment including flow, hydrology, geomorphology, chemistry, habitat and biotic indices. Report with water resource planning recommendations.

1. Watershed Assessment and Monitoring - In conjunction with the watershed project committee a watershed assessment and monitoring effort will be conducted to determine and pinpoint problem areas with regard to sedimentation and habitat impairment. Included in this assessment will be a hydrologic and geomorphological analysis. Time Period: 4 months.
2. Develop and Evaluate Feasibility of a Range of Planning Recommendations and Restoration Alternatives - This will focus on sustainable habitat restoration alternatives that emphasize water quality improvements and sustainability and recognize changing hydrologic, flow and climatic changes. Time Period: 4 months
3. Facilitation and Coordination of Planning Recommendations - Once a set of water quality/resource management alternatives have been developed, the project committee will then work with local entities to review and develop a course of implementation for those alternatives. These recommendations would be incorporated into the WDNR Basin Plan, the Sauk County Land and Water Plan, and local planning documents. Time Period 2 months.
4. Outreach and Education - After planning recommendations have been developed and adopted, an outreach and education effort will be implemented to carry out the recommendations of the project. Time Period 2 Months.

Total project award: \$30,000

### People

Name	Role	Status	Start Date	End Date	Organization	Comments
MORTON, JAMES A	PROJECT_OFFI	ACTIVE	10/03/2009		Wisconsin DNR	
Sauk County LCD,	GRANT_RECIPII	ACTIVE	10/03/2009		Sauk County Land Conservation Department	

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### Project Statuses

Date	Reported By	Status	Comments
04/13/2010	JAMES MORTON	Progress: 0-25% Cor	The project contractor (Sauk County) is hosting a kickoff meeting the first week of may with University staff, local legislators and officials, private individuals and agency staff. It is expected that a study involving the University of Wisconsin and one that follows the scope of the grant will be developed after this initial meeting.
08/05/2010	JAMES MORTON	Active	The invitation to the meeting has been uploaded. Sauk County land conservation has met with landowners and officials to address hydrology problems. They are still trying to contract with an engineer to complete the analysis.
11/01/2010	JAMES MORTON	Active	Sauk County is in the process of awarding a project to a consulting firm to do an analysis of the watershed that would analyze the hydrology and flow characteristics. This project (approximately \$700,000) will be used to supplement the analysis conducted under the ARRA grant.
02/08/2011	JAMES MORTON	Active	Engineering firm hired to conduct hydrologic analysis and report for watershed.
03/22/2011	LISA HELMUTH	Active	Time extension but will be completed by March 31st. Montgomery & Associates (49K), the 30K will be expended by this date.
04/28/2011	JAMES MORTON	Progress: 75-100% C	Report is finalized. Sauk Co may be adding some information. Inter agency assessment of watershed scheduled for 5/10.
07/27/2011	JAMES MORTON	Progress: 75-100% C	Final report writing going on now.
11/28/2011	MOLLI MACDONALD	Complete	Final report attached.

### Project Status Detail

Question	Answer
1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept):	q3
2. Amount expended this time period:	Funds have been expended \$30K
3. Subcontracts or subgrants awarded this period:	Sauk County awarded a grant to an engineering firm to do a hydrologic analysis--report final
4. Number work hours created or maintained to date:	40 hours WDNR 60 hours Sauk County (Estimated)
5. Work accomplished this reporting period:	The awarded a contract to an engineering firm to conduct a hydrologic analysis of the watershed report should be completed.
6. Work goals for coming reporting period:	Additional reporting on stream condition being worked on.
7. Overall project status:	This project will be combined with an additional grant and a comprehensive study will be conducted that also encompasses watershed flow and hydrology. Report completed. Sauk County is finishing final report..
8. WDNR Question: Job equivalent Created	

### Actions

Action	Detailed Description	Start	End Date	Status
Monitor Targeted Area	Assess flooding and sedimentation impacts to Clark Creek; contract with Sauk County.	*****		PROPOSED

### Monitoring Stations

Station ID	Name	Comments
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### Assessment Units

## Wisconsin Department of Natural Resources SWIMS Project Summary

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 Project 13 Sauk Co. LCD Dept, Clark Creek 2009 Project Description	Project Description	Wndr	05/26/2009	
ARRA Project 13 Sauk Co. LCD Dept. Clark Creek 2009 Contract	Contract	Wdnr	10/29/2009	
ARRA_13_Q1FFY11_Report			01/31/2011	
ARRA_13_Q2FFY10_Report		Wdnr	04/28/2010	
ARRA_13_Q2FFY11_Report			04/29/2011	
ARRA_13_Q3FFY10_Report			08/05/2010	
ARRA_13_Q3FFY11_Report			08/01/2011	
ARRA_13_Q4FFY10_Report			11/01/2010	
CLARK CREEKWATERSHED STUDY FINAL REPORT		Montgomery Associates	03/01/2011	
Invitation to Kickoff Mtg		Joe Van Berkel		
Water Quality Survey of Clark Creek		David Marshall	07/25/2011	

### Budget

**Combined Budgets:**

**Combined SLOH:**

### Funding

Organization	Source	Type	Amount	Start Date	End Date
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