

Upper Sauk River Riparian Restoration

Submitted by: **Sauk River WD WSHED**

Grant Fund Type: Feedlot CWF Projects

Fund Year: 2010

<i>Total Grant Amount:</i>	\$5,000.00	<i>Amount Budgeted for this Workplan:</i>	\$5,000.00	<i>Amount Spent for this workplan:</i>	\$0.00	<i>Amount Not Spent on this workplan:</i>	\$5,000.00
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BMP Detail Summary

Number of BMP's Installed	BMP Name	Shape Type	Linear Ft.	Total Acres	Total Mapped BMPs	Soil Loss Reduction Tons/Yr	Sediment Reduction Tons/Yr	Phosphorus Reduction Lbs/Yr
1	Restoration and Management of Declining Habitat	BMP Polygon			0			
Total # installed BMPs: 1						Tons/Yr	Tons/Yr	Lbs/Yr
Total # mapped BMPs: 0								

Initiative Name: **2010 CWF Sauk River Riparian Restoration-SRWD**

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Initiative Type: Land Water Treatment

Year: 2010

Description

Project focus is on the Sauk River, from Osakis Lake to Sauk Lake. Efforts will address factors which compromise bank integrity and restore eroding river banks identified in river assessment.

Actual Results

As of 1-24-2011, the SRWD has been working with the Todd County SWCD technical staff and local landowners to install riparian buffers along the Sauk River. Installation was scheduled for fall 2010, however the high water levels made access difficult. Projects are scheduled for implementation this summer.

Comments

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. LOCAL IN-KIND MATCH WITHIN THE SRWD	1,000.00	1,000.00	800.00	1/27/11	1/27/11
Totals:	1,000.00	1,000.00	800.00		

L&W Project Name: **Sauk River Riparian Restoration**

<u>BMP(s)</u>	
1. Restoration and Management of Declining Habitats	<i>Mapped = No</i>

<u>POLLUTION REDUCTION ESTIMATE(s)</u>
None

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Approved</u>	<u>Spent</u>	<u>First Spend Date</u>	<u>Last Spend Date</u>
1. 2010 - FWQMG - CWF - Sauk River WD (WSHED)	5,000.00	5,000.00	0.00		
2. LOCAL IN-KIND MATCH WITHIN THE SRWD	1,000.00	1,000.00	800.00	1/28/11	1/28/11
Totals:	6,000.00	6,000.00	800.00		

Program Specific Workplan Items

Needed TMDL Load Reduction (If Applicable): the Sauk River is on the impaired waters list for D.O. Sediment reduction will improve D.O concentrations.

Additional Pollution Reduction Information for projects with no MinnFARM Calcs (optional):

Secondary benefits of this project include: Stabilization of the banks and water clarity improvement. Excluding livestock from the river will decrease the bank erosion and animal waste in the river. By installing fence away from the river and revegetating the setback area in native plants will decrease the nutrient load by 90% from identified sites as recommended by the Sauk Lake pending TMDL report.

Success for this application will be measured by: Reductions in TSS concentrations and nutrient concentrations.

If the project addresses a TMDL, what portion of the required load reduction will this address? 90% from identified sites

What is the Total Maximum Daily Load for the pollutant you are addressing?

The pollutant causing the impariment is: Turbidity and Nutrients

8 Digit HUC Code (81 Majors) 16.00

Estimated Reduction Pollutant #3

Pollutant #3

Estimated Reduction Pollutant #2 60 lbs per year

Pollutant #2 Total Phosphorus

Estimated Reduction Pollutant #1 40 tons per year

Pollutant #1 Total Suspended Solids

Water Plan Reference: Todd County's 2005 Local Water Management Plan, SRWD 2003 Watershed Management Plan, 1992 Sauk Lake Diagnostic Study, 2008 Sauk Lake TMDL (currently pending EPA approval) nd BWSR Conservation and Preservation Plan

<i>TMDL Reference:</i>	2008 Sauk Lake TMDL (Currently pending EPA approval)
<i>Watershed Name (81 Majors)</i>	Sauk River Watershed District
<i>Name of Water Resource targeted for activities:</i>	Sauk River
<i>TMDL finalized and implementation plan approved?</i>	N
<i>Type of Feedlot Project:</i>	Cattle Exclusion from Riparian Areas
<i>Project Description:</i>	1-24-2011- SRWD staff is working with the Todd County SWCD technical staff to address bank erosion along the Sauk River. Staff is working with two landowners to install riparian restoration. However, the 2010 high water levels made access difficult. Therefore projects are scheduled for 2011 low flow season.