

Workplan / Grant Application / Project Summary Report
SRWD MRBI - RESTORATION TECHNICAL ASSISTANCE

Submitted by: **Sauk River WD WSHED**
 Grant Fund Type: CWF Restoration Technical Assistance Grant
 Fund Year: 2011

Total Grant Amount: **\$168,421.00** *Amount Budgeted for this Workplan:* **\$168,421.00** *Amount Spent for this workplan:* **\$0.00** *Amount Not Spent on this workplan:* **\$168,421.00**

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 |
|---------------------------------|----------|---------------|---------------|----------------|-------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| | | | | | | | | |
| Total # installed BMPs: | | | | | | Tons/Yr | Tons/Yr | Lbs/Yr |
| Total # mapped BMPs: | | | | | | | | |



Initiative Name: **SRWD MRBI - CROOKED LAKE BASIN RESTORATION - PROJECT DEVELOPMENT**

Initiative Type: Project Development

Year: 2011

Description

This Technical Assistance Project will aid in the facilitation of the Sauk River Watershed-Mississippi River Basin Initiative (MRBI) which began in 2010. Funding will be used to initiate BMP implementation by assisting landowners in project development and design.

As part of the Crooked Lake Basin Restoration portion of the MRBI project, the SRWD will be working with the Douglas County SWCD staff, John Hason (and staff) of Ducks Unlimited, Area 2 Technical Service Engineers, Wenck & Assoc. Engineers and the Joint Ditch Authority to conduct landowner consultation, project development and design. Grant funds will be used to aid in the recruitment of landowners who will enroll their property into the Wetland Reserve and Enhancement Program (WREP) within the Crooked Lake Basin. Funds will be used for the SRWD technical staff and/or the Douglas County SWCD staff to conduct information meetings, develop and distribute information materials, site visits, mailings, consultations and other activities required to facilitate and finalize an enrollment into the program. This may also include reviewing property information, legal documentation and property surveying for project boundaries for easements.

Actual Results

Comments

FUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|--|------------------|------------------|--------------|-------------------------|------------------------|
| 1. ORGANIZATION MATCHING PROJECT FUNDS within the SRWD | 50,000.00 | 50,000.00 | 0.00 | | |
| 2. Osakis Lake Enhancement Continuation Project - CWP Loan - Sauk River WD (WSHED) | 500.00 | 0.00 | 0.00 | | |
| 3. MRBI - USDA - CROOKED LAKE BASIN | 0.00 | 0.00 | 0.00 | | |
| 4. LOCAL IN-KIND MATCH WITHIN THE SRWD | 5,000.00 | 5,000.00 | 0.00 | | |
| 5. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 30,000.00 | 30,000.00 | 0.00 | | |
| Totals: | 85,500.00 | 85,000.00 | 0.00 | | |

Initiative Name: **SRWD MRBI - 12 HUC WATERSHED - PROJECT DEVELOPMENT****Initiative Type:** Project Development**Year:** 2011Description

The technical assistance funding for this SRWD MRBI project will be used to initiate BMP implementation by assisting landowners in project development and design. The SRWD will be working with the Todd, Douglas, Pope and Stearns County SWCD staff, Jason Selvog of Pheasant Forever, and staff of the MN DNR. Staff from each county SWCD will be conducting site visits and landowner consultation to recruit landowners to enroll in the MRBI program and to assist them in BMP selection which best fits their operation and needs. Staff from the MNDNR will be brought in to assist in any permit requirements needed for BMPs implemented along public waters. The SRWD permit staff will assist in permits required through the SRWD. SRWD technical staff will conduct site visits and provide consultation to interested landowners and direct them to the appropriate county agency to complete their project.

Actual ResultsCommentsFUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|--|------------------|------------------|--------------|-------------------------|------------------------|
| 1. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 50,000.00 | 50,000.00 | 0.00 | | |
| 2. 2011 USDA Funds | 5,000.00 | 5,000.00 | 0.00 | | |
| 3. LOCAL IN-KIND MATCH WITHIN THE SRWD | 5,000.00 | 5,000.00 | 0.00 | | |
| Totals: | 60,000.00 | 60,000.00 | 0.00 | | |

Initiative Name: **SRWD MRBI - STONEY CREEK RESTORATION - PROJECT DEVELOPMENT****Initiative Type:** Project Development**Year:** 2011Description

This Technical Assistance Project will aid in the facilitation of the Sauk River Watershed-Mississippi River Basin Initiative (MRBI) in the Stoney Creek sub-watershed. Funding will be used to initiate BMP implementation by assisting landowners in project development and design. The SRWD will be working with the University of Minnesota staff in the initial stream bank assessment and landowner identification. SRWD staff, U of M hydrologists, DNR, Stearns SWCD and Area 2 Technical service engineers will work with identified landowners to develop and design the individual bank stabilization projects.

Actual ResultsCommentsFUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|--|------------------|------------------|--------------|-------------------------|------------------------|
| 1. ORGANIZATION MATCHING PROJECT FUNDS within the SRWD | 1,000.00 | 1,000.00 | 0.00 | | |
| 2. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 25,000.00 | 25,000.00 | 0.00 | | |
| 3. LOCAL IN-KIND MATCH WITHIN THE SRWD | 1,000.00 | 1,000.00 | 0.00 | | |
| 4. 2011 USDA Funds | 2,000.00 | 2,000.00 | 0.00 | | |
| Totals: | 29,000.00 | 29,000.00 | 0.00 | | |

Initiative Name: **SRWD MRBI - ALL PROJECTS - ADMINISTRATION -TRACKING AND REPORTING**Initiative Type: Admin/CoordinationYear: 2011Description

The SRWD will be facilitating this CWF project. Staff will track all project expenses and completing the required documentation. Invoices for technical assistance from the county SWCDs and SRWD will be tracked and recorded. Following funding disbursements, expenditures will be track separately for each individual county.

The SRWD staff will collaborate with the Todd, Stearns, Douglas, Pope and Meeker County SWCD staff to track projects at they are developed and designed, as well as project inspection during implementation and final inspection. The MRBI program will fund the BMP construction and materials costs.

Actual ResultsComments

The Sauk River watershed was selected by the EPA to participate in the federal Mississippi River Basin Initiative (MRBI) program in 2010 to decrease nutrient contributions to the Mississippi River and the Gulf of Mexico. The MRBI program provides cost share funds to landowners to install conservation practices. This Clean Water Funds project "Technical Assistance for the Sauk River Watershed – Mississippi River Basin Initiative" was attained to provide technical assistance to area residents considering conservation practices. Technical staff from the Douglas, Todd, Pope and Stearns County SWCD, as well as the SRWD will assist landowners in selecting the most cost effective practice, develop a design plan and generate an operation and maintenance plan.

The Sauk River Watershed MRBI program (channeled through the local SWCDs) was issued 12 million dollars to address the nutrient and sediment loading concerns highlighted in the Getchell-Unnamed-Stony Creek TMDL, Sauk Lake TMDL, the preliminary Osakis Lake TMDL and the Sauk River Chain of Lakes TMDL. These funds will be available for up to 5 years. Without technical assistance landowners are less likely to participate in this program. The goal of this project is to provide local residents an opportunity to make a difference in the Mississippi River and the Gulf of Mexico by guiding them through the implementation of their project and a long term management plan to encourage project effectiveness.

FUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|--|-----------------|-----------------|--------------|-------------------------|------------------------|
| 1. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 8,421.00 | 8,421.00 | 0.00 | | |
| 2. LOCAL IN-KIND MATCH WITHIN THE SRWD | 0.00 | 0.00 | 0.00 | | |
| 3. ORGANIZATION MATCHING PROJECT FUNDS within the SRWD | 0.00 | 0.00 | 0.00 | | |
| Totals: | 8,421.00 | 8,421.00 | 0.00 | | |

Initiative Name: **SRWD MRBI - 12 HUC TECHNICAL ASSISTANCE AND ENGINEERING**Initiative Type: Technical and EngineeringYear: 2011Description

The technical assistance funding for this SRWD MRBI project will be used to inspect installation of BMPs and developing the operation and maintenance plan for each BMP. The SRWD will be working with the Todd, Douglas, Pope and Stearns County SWCD staff, Area 2 Technical Service Engineers, Consulting Engineers (Wenck and Assoc.), Jason Selvog of Pheasant Forever, and staff of the MN DNR. The NRCS technical standards will be used for each project installed under the MRBI funding program.

The funds from this CWF technical assistance project will be channeled through the SRWD to be distributed to the local project partners as needed. The SRWD established a Technical Assistance Distribution Form for the participating partners, with the exception of Stearns County SWCD, to use when requesting funding reimbursement. The consultants hired to assist in the engineering, inspections and maintenance plans will be channeled through each county SWCD or the SRWD, depending on which agency holds the professional service agreement with the consultant. Since the Stearn County SWCD has the largest territory of the Sauk River Watershed MRBI project area and has the larger livestock operations, the Stearns SWCD will be utilizing the USDA Technical Service Payment Form to submit for technical services reimbursements. This will help keep technical assistance costs consistent when dealing with consulting engineers needed for specific projects within Stearns County project area.

Actual ResultsCommentsFUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|--|------------------|------------------|--------------|-------------------------|------------------------|
| 1. OSAKIS LAKE ENHANCEMENT CONTINUATION PROJECT -CWP | 1,500.00 | 1,500.00 | 0.00 | | |
| 2. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 50,000.00 | 50,000.00 | 0.00 | | |
| 3. Osakis Lake Enhancement Continuation Project - Sauk River WD (WSHED) | 1,500.00 | 1,500.00 | 0.00 | | |
| 4. Osakis Lake Enhancement Continuation Project - CWP Loan - Sauk River WD (WSHED) | 0.00 | 0.00 | 0.00 | | |
| Totals: | 53,000.00 | 53,000.00 | 0.00 | | |

Initiative Name: **SRWD MRBI - CROOKED LAKE BASIN RESTORATION - TECHNICAL AND ENGINEERING**

Initiative Type: Technical and Engineering

Year: 2011

Description

CWF funds will be used to provide funding for professional engineering review of BMP implementation and the development of long term maintenance plans to ensure the longevity of each BMP project. As part of the Crooked Lake Basin Restoration portion of the MRBI project, the SRWD will be working with the Douglas County SWCD staff, John Hason (and staff) of Ducks Unlimited, Area 2 Technical Service Engineers and Wenck & Assoc. as well as the Joint Ditch Authority to ensure all conservation projects are installed appropriately and are maintained. Funding will be used to provide technical and engineering assistance to facilitate the installation of 3-5 BMP projects within the Crooked Lake Basin. This project will be using the WREP funds and will follow the NRCS technical standards. If funds are used from Ducks Unlimited for a project, the project will follow their technical standards as well as the NRCS standards.

Actual Results

Comments

FUND(s)

| | <u>Budgeted</u> | <u>Approved</u> | <u>Spent</u> | <u>First Spend Date</u> | <u>Last Spend Date</u> |
|---|-----------------|-----------------|--------------|-------------------------|------------------------|
| 1. Osakis Lake Enhancement Continuation Project - Sauk River WD (WSHED) | 500.00 | 500.00 | 0.00 | | |
| 2. 2011 - Restoration Technical Assistance - Sauk River WD (WSHED) | 5,000.00 | 5,000.00 | 0.00 | | |
| 3. 2011 USDA Funds | 0.00 | 0.00 | 0.00 | | |
| 4. OSAKIS LAKE ENHANCEMENT CONTINUATION PROJECT -CWP | 0.00 | 0.00 | 0.00 | | |
| Totals: | 5,500.00 | 5,500.00 | 0.00 | | |

Program Specific Workplan Items

Needed TMDL Load Reduction (If Applicable):

8 Digit HUC Code (81 Majors) 16.00

Water Plan Reference:

Douglas County Local Water Management Plan, page 31 Priority Concern: Natural Habitat Destruction, Goal 1: Preserve, Restore, and enhance natural habitat in Douglas County. Objective B, Action 3: Restore large drained lakes basins (Crooked/Handfor Lakes) using Wetland Reserve Program ranking system to prioritize basin. Sauk River Watershed District 10 year Management Plan: Volume 2, Section 5: Land Resource Initiatives, Goal 3: Encourage water resource protection in the Sauk River watershed through land conservation programs, Objectives A-C pages 195-196. Stearns County Water Management Plan, Implementation of Impaired Waters: Goal 3-to address the issue of impaired Waters, improve those rivers, lakes and streams that do not meet their designated uses. Objective B, pages 42-44.

TMDL Reference:

Project Description:

This Technical Assistance Project will aid in the facilitation of the Sauk River Watershed-Mississippi River Basin Initiative (MRBI) which began in 2010. Funding will be used to initiate BMP implementation by assisting landowners in project development, design and installation. Technical staff will also assist landowners with their operation and maintenance plan for each BMP project

Primary Pollutant Targeted:

Nitrogen

Estimated Amount of Primary Pollutant Reduction:

Secondary Pollutant Targeted:

Total Phosphorus

Estimated Amount of Secondary Pollutant Reduction:

100 pounds per year

Additional Pollutant Targeted:

Total Suspended Solids

Estimated Amount of Additional Pollutant Reduction:

10 tons per year

Estimated number of plans/designs to be completed (if applicable):

20

Estimated number of landowner contacts: 20-30

Estimated number of site visits: 20