



2010 - Shoreland Improvement - Mille Lacs (SWCD)

Fund Report

Mille Lacs SWCD

Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
2010 - Shoreland Improvement - Mille Lacs (SWCD)	2010	\$53,233.00	\$45,315.43	12/31/2010
Starting Balance:		\$53,233.00		
Balance Remaining:		\$7,917.57		
Other funds used with this fund.				
2010 - Shoreland Improvement - Mille Lacs (SWCD) match	2010	\$3,496.00	\$3,181.25	02/01/2011
2010 - CCMI Shoreland Improvement - Mille Lacs (SWCD) match	2010	\$1,375.00	\$1,375.00	01/14/2011
2010 - Shoreland Improvement - TSA 3 match	2010	\$1,680.00	\$0.00	
2010 - Shoreland Improvement - City Princeton (match)	2010	\$150.00	\$0.00	
2010 - Shoreland Improvement - Volunteer (match)	2010	\$964.00	\$465.75	08/04/2010
2010 - Shoreland Improvement - Landowner (match)	2010	\$13,025.00	\$9,751.74	08/11/2010
2010 - Shoreland Improvement - UofM Extension (match)	2010	\$100.00	\$0.00	
2010 - CCMI Directed CWF - Mille Lacs (SWCD)	2010	\$6,710.00	\$6,710.00	01/27/2011
	Subtotal:	\$27,500.00	\$21,483.74	
	Total:	\$80,733.00	\$66,799.17	

Initiatives Summary

Amount spent by initiative type.

2010 - Shoreland Improvement - Mille Lacs (SWCD)

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$2,661.00	\$1,425.00
Project Development	\$4,058.00	\$2,953.97
Technical and Engineering	\$7,439.00	\$11,681.25
Total:	\$14,158.00	\$16,060.22

Land & Water Projects Summary

Amount spent on L&W Projects.

	Budgeted	Spent
Total:	\$39,075.00	\$29,255.21

BMP Summary

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs
Streambank and Shoreline Protection - 580	1	0	110		1
Totals:	1	0			1

*Note: BMPs entered in eLINK are considered to be "installed on the ground" if an "actual completion date" has been entered for the project.

Indicator Summary

Total pollution reduction estimates for all projects by category.

	Value	Unit
-Water Pollution (Reduction Estimates)		
Phosphorus (est. reduction)	142.49	Lbs/Yr
Sediment (TSS)	167.50	Tons/Yr

Initiative: 2010 Shoreland Improvement - Admin/Coordination

Year: 2010

Start Date: 03/01/2010

Initiative Type: Admin/Coordination

Completion Date:

Description

Up to 5% of the CWF grant amount will be used for grant administration, reporting and web publishing.

Actual Results

All reporting is up to date. Project information appears on web site. Cost-share contract and partial payment voucher have been completed.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - Shoreland Improvement - Mille Lacs (SWCD)	2,661.00	1,425.00	12/31/10
2. 2010 - Shoreland Improvement - Mille Lacs (SWCD) match	853.00	0.00	2/1/11
Totals:	3,514.00	1,425.00	

Initiative: 2010 Shoreland Improvement - Outreach & Educational Workshop

Year: 2010

Start Date: 06/01/2010

Initiative Type: Project Development

Completion Date: 08/02/2010

Description

Meet with landowner to discuss project implementation and value.

Meet with UofM Extension Educator and plan for workshop/supplies/materials.

Write news releases/articles for local papers.

A CCMI grant will be utilized to employ a crew for 5 days to assist with implementation of this large project. As part of the CCMI grant the crew will be trained in shoreland stabilization techniques being utilized in this project.

Actual Results

Status Aug 1 2010: Advertising and supplies being organized for August 2nd workshop.

Workshop was held on August 2nd, 2010. 26 people attended including area NRCS and SWCD staff, Master Gardeners and a CCMI youth crew and crew leaders. U of MN Extension Educator Karen Terry assisted with the workshop by giving a presentation on Shoreland Vegetation and hands-on instruction on building and installing live facines. Project Technician Lynn Carter and project TSA3 engineer gave a PowerPoint presentation on the project installation. Engineer Technician Al Burnhardt and contractor Rick Johnson were on hand to answer questions about construction techniques. Local newspapers did a large feature story on the project. Conservation Corps of Minnesota and Iowa youth crew and crew leaders received training during the week of August 2nd, 2010 while working to plant native vegetation on the project shoreland and buffer.

To read feature story in Mille Lacs Times :

Go to: http://millelacscountytimes.com/index.php?option=com_content&task=view&id=3679&Itemid=31

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - Shoreland Improvement - Volunteer (match)	0.00	432.00	8/2/10
2. 2010 - Shoreland Improvement - Mille Lacs (SWCD) match	1,250.00	787.50	8/2/10
3. 2010 - Shoreland Improvement - Mille Lacs (SWCD)	4,058.00	2,953.97	8/23/10
Totals:	5,308.00	4,173.47	

Initiative: 2010 Shoreland Improvement - Technical Assistance

Year: 2010
Initiative Type: Technical and Engineering

Start Date: 03/01/2010
Completion Date:

Description

Technical assistance, consultation and engineering to design the shoreland stabilization and buffer. Work with permitting agencies. Lynn Carter, SWCD Conservation Technician will coordinate the project. TAA includes practice planning authority for streambank and Shoreline protection approval level A, practice approval level A for Riparian Herbaceous Cover and practice design authority level C, and Tree & Shrub Establishment practice planning authority level A and practice design authority level C.
TSA 3- JPB Engineers will design the project which will be designed and installed to meet NRCS standards: Nichole Sternquist, Professional Engineer, State of Minnesota. 1994 Bachelors Degree, University of Minnesota, Agricultural Engineering. 15 years of experience in best management practices engineering for Minnesota Soil and Water Conservation Districts in east central and southern Minnesota.
Al Bernhardt, Civil Engineering Technician. 1999 Associates degree in Civil Engineering Technology, St. Cloud Technical College. 11 years experience working for county highway department, private company surveying and soil and Water Conservation Districts

Actual Results

Status Aug 1, 2010: Project installation is approximately 1/2 complete. Construction has been completed as of 7/28/10. Vegetative planting will be done the first week in August, followed by workshops. Planting plan was done June/July 2011. Workshop was held on August 2nd, 2010. Shrubs and plugs were planted during the week of Aug 2nd through 6th with help from a Conservation Corps of Minnesota and Iowa Youth Crew. Several torrential rainfalls during August, September and October required some repair of gullys and installation of a bio-log to divert runoff until plants have become established in gully area. Further repairs, some plant and shrub replacement and live stake installation will be done in spring of 2011.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - Shoreland Improvement - TSA 3 match	1,680.00	0.00	
2. 2010 - Shoreland Improvement - UofM Extension (match)	100.00	0.00	
3. 2010 - Shoreland Improvement - Volunteer (match)	0.00	33.75	8/4/10
4. 2010 - Shoreland Improvement - City Princeton (match)	150.00	0.00	
5. 2010 - Shoreland Improvement - Mille Lacs (SWCD)	7,439.00	11,681.25	11/12/10
6. 2010 - Shoreland Improvement - Mille Lacs (SWCD) match	1,393.00	2,393.75	10/29/10
Totals:	10,762.00	14,108.75	

Project: 2010 CWF Shoreland Improvement - Miskowic Rum River Stabilization & Buffer

Project Number: CWF2010-SI

Approval Date: 6/9/2010

Primary Cooperator: Landowner - Randy Miskowic

Start Date: 01/01/2010

Primary Practice: Streambank of Shoreland Protection

Completion Date:

Description

The landowner has been mowing turf grass up to the edge of the stream bank for approximately 20 years. This practice, combined with the concentrated energy of the river as it rounds a hair pin turn, contributed to the current erosion problem. This project will re-vegetate approximately 7500 square feet of steep river bank with native plants and shrubs and replace approximately 2750 square feet of turf grass with a native plant buffer. Once established, the extensive root systems of hardy native grasses and shrubs will hold the sandy soil in place, as well as infiltrate runoff from upland areas. Stream barbs installed in the river and tree revetments cabled into the toe area will deflect the energy of the river and prevent further erosion of the riverbank and sedimentation of the Rum River.

A CCMI grant will be utilized to employ a crew for 5 days to assist with implementation of this large project.

Actual Results

Status Aug 1, 2010: Project is approx 1/2 complete. Construction is completed as of 7/28 and planting will occur first week in August.

A day-long workshop was held on August 2nd with an afternoon of hands on instruction. Workshop attendees, including a CCMI Youth Crew, constructed and installed live willow facines and planted the vegetated buffer. The CCMI crew spent the remainder of the week completeing the live facines and planting 412 shrubs and 6456 native plugs. Construction of the shoreline restoration and planting were complete on August 6th, 2010. The point bar excavation was done on October 25th. Several torential rain storms during August, September and October caused gulying in areas that had seen much foot traffic by planting crews moving up and down the slope. Some repair was done and a bio-log was installed at the top of the gully. Live willow stakes will be installed early next spring. Shrubs and plugs that did not make it through the winter will be replaced and additional repairs needed on the gullys will be done in spring of 2011.

Comments

A Conservation Corps of Minnesota and Iowa was on site from August 2nd to August 6th. A CWF Grant was received that paid for 75% of the cost of the CCMI Crew. Local in-kind match made up the remaining 25%.

BMP(s)

1. Streambank and Shoreline Protection-580 *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)
 Phosphorus (est. reduction) 142.49 Lbs/Yr
 Sediment (TSS) 167.50 Tons/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2010 - CCMI Directed CWF - Mille Lacs (SWCD)	6,710.00	6,710.00	1/27/11
2. 2010 - Shoreland Improvement - Volunteer (match)	964.00	0.00	
3. 2010 - Shoreland Improvement - Mille Lacs (SWCD)	39,075.00	29,255.21	8/11/10
4. 2010 - CCMI Shoreland Improvement - Mille Lacs (SWCD) match	1,375.00	1,375.00	1/14/11
5. 2010 - Shoreland Improvement - Landowner (match)	13,025.00	9,751.74	8/11/10
Totals:	61,149.00	47,091.95	

List of Attached Files (click to view)

	<u>Document Description</u>	<u>Date Added</u>
1. Before003.JPG	project site before construction	12/29/10
2. DSCF0535.jpg	Construction	12/29/10
3. DSCF0568.jpg	shaping, tree revetmnets, erosion control fabric installed	12/29/10
4. P8020152.JPG	classroom portion of workshop	12/29/10
5. DSCF0619.jpg	hands-on portion of workshop	12/29/10
6. DSCF0632.jpg	CCMI Crew planting	12/29/10
7. DSCF0960.jpg	project site on 10-4-10	12/29/10

End of 2010 - Shoreland Improvement - Mille Lacs (SWCD) Section

This report can be found in the eLINK Report Manager under Report Type: *Fund Reports*, Reports: *All Details*