



## Grant All-Detail Report 2011 - Restoration Technical Assistance

**Grant Title** - 2011 - Restoration Technical Assistance - Chisago (SWCD)

**Grant ID** - C13-1854

**Organization** - Chisago SWCD

<b>Grant Awarded Amount</b>	<b>\$31,579.00</b>	<b>Grant Execution Date</b>	
<b>Required Match Amount</b>	\$7,894.75	<b>Grant End Date</b>	1/1/2020
<b>Required Match %</b>	25%	<b>Grant Day To Day Contact</b>	

### Budget Summary

	Budgeted	Spent	Balance Remaining
Total Grant Amount	\$31,579.00	\$31,579.00	\$0.00
Total Match Amount	\$8,000.00	\$8,000.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$39,579.00</b>	<b>\$39,579.00</b>	<b>\$0.00</b>

### Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF (Admin) - St. Croix River escarpment gully stabilization inventory and outreach program	Administration /Coordination	Current State Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)	\$1,579.00	\$1,579.00	4/18/2012	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011 CWF (Proj Dev) -St. Croix River escarpment gully stabilization inventory and outreach program	Project Development	Current State Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)	\$30,000.00	\$30,000.00	4/18/2012	N
2011 CWF (Proj Dev) -St. Croix River escarpment gully stabilization inventory and outreach program	Project Development	Local Fund	2011 CWF Grant Match - Chisago SWCD	\$8,000.00	\$8,000.00	4/18/2012	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Size / Unit
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### Indicators Summary

Indicator Name	Total Value	Unit
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## Grant Activity

Grant Activity - 2011 CWF (Admin) - St. Croix River escarpment gully stabilization inventory and outreach program			
Description	The Chisago SWCD Resource Conservationist will be responsible for all eLINK, website, and final reporting documents for the project. The Chisago SWCD District Administrator will coordinate the project and provide the data to the Resource Conservationist to complete all BWSR reporting requirements.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Apr-11	End Date	Fri Apr 20 00:00:00 CDT 2012
Rates and Hours			
Actual Results	<p>As of 8/10/11, 12/31/11</p> <p>All workplans have been submitted to and approved by BWSR.</p> <p>A Clean Water Fund programs link has been added to our website and is updated on a regular basis.</p> <p>Updates are given at monthly SWCD Board meetings.</p> <p>Elink reporting has been completed to date.</p> <p>As of April 20, 2012</p> <p>All elink reporting has been entered.</p> <p>*Funding in part for the St. Croix River Escarpment Gully Stabilization Inventory &amp; Outreach Program was provided by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.</p>		

**Grant Activity - 2011 CWF (Proj Dev) -St. Croix River escarpment gully stabilization inventory and outreach program**

<p><b>Description</b></p>	<p>The Chisago SWCD Resource Conservationist (Jason Rehn) will inventory active gully erosion sites along the St. Croix River escarpment from the entrance to Wild River State Park near Almelund, MN, continuing south to the Chisago County line. The resulting inventory will be utilized to contact landowners with actively eroding gully sites on their property and will begin the process of developing a plan to implement Best Management Practices (BMPs) to correct the problems.</p> <p>This project is important for several reasons. First, identifying gully sites and implementing BMPs to stop active erosion will reduce phosphorus loading to the St. Croix River by hundreds of pounds per year. Water will be collected and infiltrated on-site, which will drastically reduce the amount of phosphorus and sediment entering the St. Croix River.</p> <p>In addition, the St. Croix escarpment is home to many rare and native species. The continued erosion of this area causes degradation to the habitat of these species. By stabilizing the area, the rare and native plant and animal species will continue to thrive in their natural environment. The St. Croix River itself is also home to rare species, including native mussels. These organisms will benefit from the reduction in phosphorus and sediment reaching the St. Croix River.</p>		
<p><b>Category</b></p>	<p>PROJECT DEVELOPMENT</p>		
<p><b>Start Date</b></p>	<p>1-Apr-11</p>	<p><b>End Date</b></p>	<p>Fri Apr 20 00:00:00 CDT 2012</p>
<p><b>Rates and Hours</b></p>			
<p><b>Actual Results</b></p>	<p>The following activities have been conducted to date, August 10, 2011:</p> <p>The Chisago SWCD conducted a desktop analysis that includes an Arcmap GIS survey of potential gullies within the St. Croix River escarpment project area. There were two types of gullies identified and indicated on the maps using shapefiles, larger (427) and smaller (193). Criteria was developed to differentiate larger gullies from the smaller ones, such as length (&gt;500') and size. A query was done to create a mailing to those landowners that have potential gullies, asking permission to enter their property to view the area. Aerial photo maps, with the shapefiles and landowner permissions, have been created to assist in conducting the field survey.</p> <p>As of 12/31/11</p> <p>The field inventory has been completed. All total 618 gullies were identified and 494 were field varified. The gullies that were not field checked was because the landowner did not allow the SWCD access to their property. Of the 494 gullies field checked, 112 gullies were identified as activiely eroding. A total of 36 gullies were ranked as severly eroding from the list of 112. Our office is currently in the process of writing the final report for this project.</p> <p>As of 4/20/12</p> <p>The final report has been completed.</p>		

\*Funding in part for the St. Croix River Escarpment Gully Stabilization Inventory & Outreach Program was provided by the Clean Water Fund from the Clean Water, Land and Legacy Amendment.

**Grant Attachments**

Document Name	Document Type	Description
<b>Executive Summary.pdf</b>	Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)
<b>grant_app_general.rpt</b>	Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)
<b>grant_app_general.rpt</b>	Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)
<b>grant_app_general.rpt</b>	Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)
<b>grant_app_general.rpt</b>	Grant	2011 - Restoration Technical Assistance - Chisago (SWCD)