



Grant All-Detail Report 2011 - Clean Water Assistance

Grant Title - 2011 - Clean Water Assistance - St. Louis, South (SWCD)

Grant ID - C13-0259

Organization - St Louis, South SWCD

Grant Awarded Amount	\$154,893.00	Grant Execution Date	
Required Match Amount	\$38,723.25	Grant End Date	1/1/2020
Required Match %	25%	Grant Day To Day Contact	Kate Kubiak

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$119,812.00	\$43,583.58	\$111,309.42
Total Match Amount	\$33,580.00	\$5,300.00	\$28,280.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$153,392.00	\$48,883.58	\$139,589.42

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011-2012 Miller Creek Kohl's Re-meander Engineering, Construction & Implementation	Technical/Engineering Assistance	Current State Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)	\$7,750.00	\$6,720.00	12/31/2013	N
2011-2012 Miller Creek Kohl's Re-meander Grant Admin	Administration /Coordination	Current State Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)	\$4,647.00	\$4,075.00	12/1/2013	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2011-2012 Miller Creek Kohl's Re-meander Project Development	Urban Stormwater Management Practices	Current State Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)	\$33,900.00	\$32,788.58	12/4/2013	N
Match - Grant Admin	Administration /Coordination	Local Fund	Staff time	\$4,000.00	\$2,000.00	12/1/2013	Y
Match - project development	Streambank or Shoreline Protection	Local Fund	staff time	\$13,000.00	\$1,800.00	10/1/2013	Y
Match for trees and TMDL kick off event	Streambank or Shoreline Protection	Local Fund	staff match time and trees	\$5,080.00			Y
Miller Creek Restoration/Re-meander Behind Kohl's - Actual Construction	Special Projects	Current State Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)	\$65,515.00			N
Miller Creek Restoration/Re-meander Behind Kohl's - Actual Construction	Special Projects	Local Fund	\$10K Walmart SEP funds and R10 use	\$11,500.00	\$1,500.00	4/30/2013	Y
Miller Creek Watershed Business Stormwater BMP Installation	Special Projects	Current State Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)	\$8,000.00			N

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 - 2011-2012 Miller Creek Kohl's Re-meander Engineering, Construction & Implementation

Description	<p>This component will be completed by TSA Area 3 staff, Keith Anderson, professional engineer (Lic# 42827) and Tim Byrns, Engineering Tech. Keith and Tim have been working for the TSA for the past 5 years on projects similar to this one. Activities under this component will include surveying, modeling, permitting and project design (pre-construction) during 2011, and bidding, site mobilization, and construction supervision during 2012. Keith is well-trained in the Rosgen approach to stream restoration and will be using Rosgen methods for this project. Keith has completed Rosgen Level 1:Applied Fluvial Geomorphology and Level 2:River Morphology and Applications training.</p>		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jul-11	End Date	
Rates and Hours			
Actual Results	<p>Aug 15/2011: We have met with City Engineering Staff several times regarding the project and provided them with our preliminary plans. We have also completed a survey of the site and installed flow gauging equipment. We have also researched the title for the site to identify any easement holders that may need to be notified before work begins. We expect to work closely with DNR hydrology staff to complete preliminary design and any modeling that may be required by FEMA before the project may begin. Feb 1/2012: Preliminary engineering activities are being completed including the following: 1.) Surveyed the project reach. 2.) Surveyed the selected reference reach (French River). 3.) Imported survey data into CAD. 4.) Generated topo maps. 5.) In the process of calculating channel design. A design is needed to start applying for permits, start assembling the EAW data and for addressing any FEMA / floodway map issues. Mar 15/2012: the design for the stream restoration and the cross sections are nearly completed. SWCD engineer is working closely with DNR staff on the design. Aug 1/2012: the site plans for the stream restoration are almost finalized and DNR hydrologists believe we have met the threshold for not needing a map revision from FEMA. Feb 1/2013: project site plans are mostly completed. A "no rise certificate" regarding the floodplain issue needs to be completed and submitted to the city with the city building permit/grading and fill application. Feb 1/2014: The archaeology review and survey for Caltha Natans is complete. Project design is complete. Hydrologic modeling is complete. Revised cost estimate is complete. Aug 1/2014: No work was completed on this task during this reporting period as SWCD and TSA staff were focused on flood mitigation projects. Feb1/2015: Project was on hold during the last 6 mths as we worked to complete flood recovery projects.</p>		

Grant Activity - 2011-2012 Miller Creek Kohl's Re-meander Grant Admin

Description	This Initiative applies to the administrative component of this grant including keeping track of grant vs. match money, and grant reporting. This component will be completed by the project manager, Kate Kubiak. 3% of the total grant is slated for administration.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Mar-11	End Date	
Rates and Hours			
Actual Results	<p>Aug 15/2011: Reporting is being completed as required.</p> <p>Feb 1/2012: Reporting is being completed as required. We will be submitting a 2-year extension request to our Board Conservationist.</p> <p>Mar 15/2012: Reporting and budgeting is being completed as required. Still waiting for approval of extension request, submitted January / 2012.</p> <p>Aug 1/2012: Reporting and budgeting is being completed as required. After discussing the need for an extension with the Board Conservationist, the initial request was tabled/formally denied in the hopes of having some additional funds remaining after the 2012 construction season that could be put towards this project. A second extension request will thus be submitted in October, 2012. Our Board Conservationist is aware of and expecting this second request.</p> <p>Feb 1/2013: Reporting and budgeting is being reconciled regularly. An extension has been given to December 31, 2014. See Attachments.</p> <p>Feb 1/2014: Reporting completed as required. Request submitted for an extension to the expiration date of the project and a work plan revision due to unanticipated higher costs of the original project. additional partners and additional knowledge of natural channel design.</p> <p>Aug1/2014: Reporting completed as required.</p> <p>Feb 1/2015: Project was on hold during the last 6 mths as we worked to complete flood recovery projects. Project will be completed in 2015.</p>		

Grant Activity - 2011-2012 Miller Creek Kohl's Re-meander Project Development

Description	Project Development grant-funded.		
Category	URBAN STORMWATER MANAGEMENT PRACTICES		
Start Date	1-Jul-15	End Date	
Rates and Hours			
Actual Results	<p>Aug 15/2011: Preliminary work on the EAW has begun. We are also communicating regularly with City of Duluth. Feb 1/2012: Preliminary work on the EAW has begun as has the data needed for applying for permits. We are also communicating regularly with City Engineering staff and the DNR hydrologist. Mar 15/2012: Engineering plans for the stream restoration work are nearly complete. Letters to SHPO and the NHDB have been sent for the EAW. Aug 1/2012: Much progress has been made on this initiative in the past several months. SWCD project staff met with City planning staff to discuss the project and the EAW. As the RGU, the City will carry out the public comment period. SWCD staff also provided a summary of the project for the City legal department. Received responses from SHPO and the DNR regarding the need for both an archaeological review and a survey for "floating marsh marigold." Arrangements have been made to complete this work this summer. Made an initial request for business BMP participants through the City of Hermantown's Chamber of Commerce e-news. Feb1/2013: Duluth Grill selected for SW BMP. Project design continues.</p> <p>Feb 1/2014: Cost share contract for SW BMP at Duluth Grill has been finalized. Contractor and BMP selection has been finalized. Meetings with MNDOT held to discuss expanding the project upstream through MNDOT ROW. Hydrologic (FEMA-related) modeling completed by DNR hydrologists. Archaeological review and NHDB survey completed - no resources found. Work Plan Revision and extension to grant expiration date request submitted to BC. Aug 1/2014: Grant amendment and extension of expiration date was granted. No work under this task was completed during this reporting period as SWCD staff was focused on flood mitigation projects.</p>		

Grant Activity - Match - Grant Admin			
Description	Match - Grant Admin		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Aug-11	End Date	
Rates and Hours			
Actual Results	Aug 1 2014: Reporting continued as required during this reporting period. Feb 1 2015: Project on hold during past 6 months due to flood recovery work. Grant admin. continued during this period as required/needed.		

Grant Activity - Match - project development			
Description	Match - project development		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date		End Date	
Rates and Hours			
Actual Results	Aug 1/2014: No work on this task was completed during this reporting period. Feb 1/2015: No work completed; project was on hold during past 6 mths. Project development will be completed in spring of 2015.		

Grant Activity - Match for trees and TMDL kick off event			
Description	Match for trees and TMDL kick off event		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date		End Date	
Rates and Hours			
Actual Results	this work is scheduled for summer 2015.		

Grant Activity - Miller Creek Restoration/Re-meander Behind Kohl's - Actual Construction

Description	Restoration of 3,400 ft. of Miller Creek to it's original channel. This section of Miller Creek was channelized many decades ago. Restoring it to its original, sinuous channel will: reduce peak flows due to increased sinuosity; reconnect the stream to its surrounding floodplain, which will lead to increased water storage and increased infiltration, the latter of which will hopefully increase the baseflow of this creek; improve trout habitat with added riffles, pools and woody debris.		
Category	SPECIAL PROJECTS		
Start Date	1-Jul-11	End Date	
Rates and Hours			
Actual Results	August 15, 2011: SWCD staff has met with the City of Duluth (property owner) and is currently surveying and making preparations to produces a haz-mat model for the creek. Feb 1/2012: Preliminary engineering tasks are underway, see "Initiatives." Mar 15/2012: The design is close to being completed, as are the cross sections, see "Initiatives." SWCD engineer has been working closely with DNR staff to finalize the design. Aug 1/2012: If all goes as planned, phase 1 (digging the new channel) of the restoration is slated for Feb/March of 2013, and phase II (re-routing the water and filling in the old channel) for early June 2013. Feb 1/2013: The flooding of June 2012 pushed back some of our "non-emergency" projects including this one. BWSR granted extensions on this grant in recognition of this. Feb 1/2014: Plans being made to expand project upstream to insure lower restoration area will function as planned. Actual costs much higher than anticipated. Request for extension to expiration date and work plan revision submitted. Design complete. Modeling complete. Aug 1/2014: Project scope will be limited to upper (MNDOT) portion only. Construction slated for summer 2015. Feb1/2015: Project was on hold during the last 6 mths as we worked to complete flood recovery projects. No expenditures, no activity. Acquiring permits and submitting the EAW will occur spring of 2015, with construction planned for summer of 2015.		

Grant Activity - Miller Creek Watershed Business Stormwater BMP Installation

Description	Solicitation of businesses interested in installing a stormwater Best Management Practice. The purpose of the Best Management Practice would be to treat (infiltrate) stormwater to reduce runoff in the watershed. Several businesses in the Miller Creek Watershed have already installed a stormwater Best Management Practice with help from our office and we hope that the proposed Best Management Practice will add to the existing sites as demonstration sites for other businesses and tours by people interested in seeing Best Management Practices for stormwater look like when installed.		
Category	SPECIAL PROJECTS		
Start Date	1-Jun-13	End Date	
Rates and Hours			
Actual Results	<p>August 15/2011: Work on this element will not begin until 2012. Feb 1/2012: Work on this element will not begin until 2012. Mar 15/2012: One business has been approached with the opportunity to install a BMP, but the majority of this work will not begin until summer of 2012. Aug 1/2012: We mapped out all of the businesses in the Miller Creek watershed and arranged with the City of Hermantown Chamber of Commerce to include a notice in their enews about the funding we have available. We also included information on this opportunity on our website. Feb 1/2013: We met with 3 potential partners this past summer about constructing a BMP on their site: a church, a day care and a restaurant. The restaurant (Duluth Grill) had the most potential and most ability to cost-share in order to create a really good project. We discussed either doing a rain garden (the site is adjacent to Miller Creek) on the property, or creating a rain water harvesting system, which they would use to irrigate their outside gardens. We contacted a local consultant who sells equipment for rainwater and will likely cooperate with him to get the project done. It's a very exciting opportunity for several reasons: 1.) the property-owners are very excited about the idea, 2.) the restaurant (Duluth Grill) is very popular, which will bring a lot of attention to the project, 3.) a local consultant is well-versed in the process and very willing to work with us and the business-owners to develop a great project, and 4.) the property is adjacent to the Creek, Feb 1/2014: Cost share contract has been finalized between contractor, Board and Duluth Grill. Equipment has been selected. Aug 1/2014: Contractor is waiting for some permit finalizations before installing BMP. Feb1/2015: Duluth Grill has decided not to go through with the project so we will need to find a new participant this spring.</p>		

Grant Attachments

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/24/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2015

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 07/29/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2014
Amendment	Grant Agreement	St Louis, South SWCD-2011
Amendment 2 Request Letter	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Archaeological survey report.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
C11-96 South St. Louis SWCD.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Debs_Caltha_Natans_Final_Report_2013	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Inv_201239_from_Duluth_Archaeology_Center_4788 (2).pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice # 4	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice # 5	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice 2 CWF Miller Jan-July 2012.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice 2 CWF Miller Jan-July 2012.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice 3 Kohls Aug-Dec 2012.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice 3 Kohls Aug-Dec 2012.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice 3 Kohls Aug-Dec 2012.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Invoice CWF Miller 2011.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
Kohls scanned arch review required.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
NHDB Invoice.jpg	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
NHDB ltr requiring review.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
South St Louis Map.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
archaeological review contract.docx	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
extension approval signed by Board.jpg	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
extension approval signed by Board.jpg	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
grant_app_general-added.rpt	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
grant_app_general.rpt	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
grant_app_general.rpt	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
hermantown chamber enews for SW BMP.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)
hermantown chamber enews for SW BMP.pdf	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)

Document Name	Document Type	Description
invoice_NHDB_survey work_Pomroy	Grant	2011 - Clean Water Assistance - St. Louis, South (SWCD)