

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

Fund Report

St. Louis, South

Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
2011 - Clean Water Assistance - St. Louis, South (SWCD)	2011	\$154,893.00	\$35,203.58	01/28/2013
Starting Balance:		\$154,893.00		
Balance Remaining:		\$119,689.42		
Other funds used with this fund.				
2011-2012 Miller Creek Kohl's Re-meander SWCD Match	2011	\$29,080.00	\$0.00	09/13/2012
	Subtotal:	\$29,080.00	\$0.00	
	Total:	\$183,973.00	\$35,203.58	

Initiatives Summary

Amount spent by initiative type.

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

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$4,647.00	\$1,260.00
Project Development	\$33,900.00	\$27,883.58
Technical and Engineering	\$7,750.00	\$5,520.00
Total:	\$46,297.00	\$34,663.58

Land & Water Projects Summary

Amount spent on L&W Projects.

	<u>Budgeted</u>	<u>Spent</u>
Total:	\$108,596.00	\$540.00

BMP Summary

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs

Totals:

**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

Value Unit

**Pollution Reduction Estimates not entered for any of these projects.*

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

Year: 2011
Initiative Type: Admin/Coordination

Start Date: 03/01/2011
Completion Date:

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.

Actual Results

For Aug 15/2011 Report: Reporting is being completed as required.

For Feb 1/2012 Report: Reporting is being completed as required. We will be submitting a 2-year extension request to our Board Conservationist.

For Mar 15/2012 report: Reporting and budgeting is being completed as required. Still waiting for approval of extension request, submitted January / 2012.

For Aug 1/2012 report: 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.

For Feb 1/2013 report: Reporting and budgeting is being reconciled regularly. An extension has been given to December 31, 2014. See Attachments.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Clean Water Assistance - St. Louis, South (SWCD)	4,647.00	1,260.00	1/28/13
Totals:	4,647.00	1,260.00	

List of Attached Files (click to view)

- [1. extension approval signed by Board.jpg](#)
- [2. Invoice 2 CWF Miller Jan-July 2012.docx](#)
- [3. Invoice 3 Kohls Aug-Dec 2012.docx](#)

Document Description

Extension approval with signatures Dec 31 2014
Invoice #2
Invoice #3

Date Added

1/28/13
1/28/13
1/28/13

Initiative: 2011-2012 Miller Creek Kohl's Re-meander Project Development

Year: 2011

Start Date: 07/01/2011

Initiative Type: Project Development

Completion Date:

Description

This component of the grant will be conducted primarily during 2011, the planning year. Project Development will involve drafting and finalizing a Memorandum of Understanding with the City of Duluth, the landowner; acquiring all necessary permits from DNR Fisheries for work in the stream, MPCA for construction stormwater, and other permits as required. This component will also involve preparing an Environmental Assessment Worksheet (EAW) for the project, working with the media and community to share information about the project, and working with local businesses to identify a suitable place for a stormwater best management practice (BMP).

Actual Results

For Aug 15/2011 Report: Preliminary work on the Environmental Worksheet Assessment has begun. We are also communicating regularly with City of Duluth Engineering and Water Quality Staff.

For Feb 1/2012 Report: Preliminary work on the Environmental Worksheet Assessment has begun as has the data needed for applying for permits. We are also communicating regularly with City of Duluth Engineering staff and the DNR hydrologist.

For Mar 15/ 2012 report: Engineering plans for the stream restoration work are nearly complete. Working on confirming with the City and DNR that the SWCD will prepare the EAW. Letters to SHPO and the natural resources heritage database have been sent for purposes of the EAW.

For the Aug 1/2012 report: 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. It was decided that the City would be the official Responsible Government Unit for the EAW while the SWCD will prepare it, with a target completion time of November, 2012. As the RGU, the City will carry out the public comment period. SWCD staff also provided a summary of the project to the City engineer to give to the City legal department so that the City can start drafting a legal agreement for the project. We expect this to be the most challenging and time consuming part of the project development process. Additionally, we received responses from both the State Historical Society and the DNR's natural heritage database staff regarding the need for reviews. Both an archaeological review and a survey for "floating marsh marigold" will be required and arrangements have been made with private consultants to complete this work this summer (see attachments). Finally, regarding the Stormwater BMP component of this project, we have made an initial request for participants through the City of Hermantown's Chamber of Commerce e-news (see attached).

Comments

For Feb 1/2013 report (used up all the space under "results" field):

Archaeological survey was completed this past summer with no concerns regarding the proposed work. Invoice and report is attached. We continued to move forward on site design plans and the EAW. A contractor has been contacted to do a survey for floating marsh marigold (NHbd review), and this work is slated to occur in June of 2013.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Clean Water Assistance - St. Louis, South (SWCD)	33,900.00	27,883.58	1/28/13
2. 2011-2012 Miller Creek Kohl's Re-meander SWCD Match	5,080.00	0.00	9/13/12
Totals:	38,980.00	27,883.58	

List of Attached Files (click to view)

	<u>Document Description</u>	<u>Date Added</u>
1. Invoice CWF Miller 2011.docx	Invoive #1 to SWCD account for 2011 work for Keith, Kate and Tim.	1/17/12
2. Invoice 2 CWF Miller Jan-July 2012.docx	Invoive 2 to SWCD showing how to divide up CWF grant \$ between TSA and SWCD	7/31/12
3. Kohls scanned arch review required.docx	letter from SHPO requiring us to do an archaeological review for the project	7/30/12
4. NHDB ltr requiring review.pdf	This is the letter from the NHDB indicating that we need to review the project site for floating mar	7/30/12
5. hermantown chamber enews for SW BMP.pdf	hermantown chamber enews release noting funds available for a SW BMP	7/30/12
6. archaeological review contract.docx	contract with Duluth Archaeology Center to do archaeological review in project area.	7/30/12
7. Archaeological survey report.pdf	Archaeological survey for EAW - report	1/28/13
8. NHDB Invoice.jpg	invoice for NHDB review for EAW	1/28/13
9. extension approval signed by Board.jpg	Signed Extention from Board	1/28/13
10. Inv_201239_from_Duluth_Archaeology_Cente	Invoice from Duluth Arch. Ctr.	1/28/13
11. Invoice 3 Kohls Aug-Dec 2012.docx	Invoice #3 July-Dec 2012	1/28/13

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

Year: 2011

Start Date:

07/01/2011

Initiative Type: Technical and Engineering

Completion Date:

Description

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.

Actual Results

For Aug 15/2011 Report: 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 (e.g. MN Power) 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.

For Feb 1/2012 Report: 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. EAW - the local government unit for the EAW will likely be the DNR (hydrologist), which is well-aware of the project. We have started reviewing examples for similar projects and collecting the data to be submitted to the DNR.

For Mar 15/2012 report: the design for the stream restoration and the cross sections are nearly completed. SWCD engineer is working closely with DNR staff on the design.

For Aug 1/2012 report: 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.

For Feb 1/2013 report: project site plans are mostly completed. A "no rise certificate" regarding the floodplain issue needs to be completed by Keith Anderson and submitted to the city with the city building permit/grading and fill application.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Clean Water Assistance - St. Louis, South (SWCD)	7,750.00	5,520.00	1/28/13
Totals:	7,750.00	5,520.00	

List of Attached Files (click to view)

1. [Invoice 3 Kohls Aug-Dec 2012.docx](#)

Document Description

Invoice #3 July-Dec 2012

Date Added

1/28/13

Project: Miller Creek Restoration/Re-meander Behind Kohl's

Project Number: CWF-2011-1

Primary Cooperator:

Primary Practice:

Approval Date:

Start Date: 07/01/2011

Completion Date:

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.

Actual Results

For August 15, 2011 Report: SWCD staff has met with the City of Duluth (property owner) and is currently surveying and making preparations to produce a haz-mat model for the creek.

For Feb 1/2012 Report: Preliminary engineering tasks are underway, see "Initiatives."

For Mar 15/2012 Report: 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 Report: 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.

For Feb 1/2013 report: The flooding of June 2012 pushed back some of our "non-emergency" projects including this one. BWSR granted extentions on this grant in recognition of this. We keep moving forward with the project planning and development for this component, and will continue to do so throughout 2013, with construction expected to be done in two pahses, the first of which (digging the new channel) is tentatively planned for February of 2014.

BMP(s)

0.

None

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011-2012 Miller Creek Kohl's Re-meander SWCD Match	24,000.00	0.00	
2. 2011 - Clean Water Assistance - St. Louis, South (SWCD)	100,596.00	0.00	
Totals:	124,596.00	0.00	

List of Attached Files (click to view)

1. [South St Louis Map.pdf](#)

Document Description

Map of stretch to be restored

Date Added

3/14/11

Project: Miller Creek Watershed Business Stormwater BMP Installation

Project Number: CWF-2011-3

Primary Cooperator:

Primary Practice:

Approval Date:

Start Date: 06/01/2013

Completion Date:

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.

Actual Results

For August 15/2011 Report: Work on this element will not begin until 2012.

For Feb 1/2012 Report: Work on this element will not begin until 2012.

For Mar 15/2012 Report: 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.

For Aug 1/2012 report: 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.

For Feb 1/2013 report: we met with 4 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 recycling and will likely cooperate with him to get the project done, probably this spring. 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, making the connection between water quality and Best Management Practices all that more teach-able.

BMP(s)

0.

None

POLLUTION REDUCTION ESTIMATE(s)

None

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2011 - Clean Water Assistance - St. Louis, South (SWCD)	8,000.00	540.00	1/28/13
Totals:	8,000.00	540.00	

List of Attached Files (click to view)

Document Description

Date Added

1. [hermantown chamber enews for SW BMP.pdf](#)

7/31/12

----- End of 2011 - Clean Water Assistance - St. Louis, South (SWCD) Section -----

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