



Grant All-Detail Report 2013 - Clean Water Assistance Grant

Grant Title - 2013 - Clean Water Assistance Grant - Martin (SWCD)

Grant ID - C13-2916

Organization - Martin SWCD

Grant Awarded Amount	\$314,750.00	Grant Execution Date	
Required Match Amount	\$78,687.50	Grant End Date	1/1/2020
Required Match %	25%	Grant Day To Day Contact	Ashley Brenke

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$314,750.00	\$235,475.37	\$79,274.63
Total Match Amount	\$92,961.96	\$52,346.96	\$40,615.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$407,711.96	\$287,822.33	\$119,889.63

**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	Match
2013 CWF Anticipated Project	Special Projects	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$0.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
2013 CWF Anticipated Project	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner Cash	\$0.00			Y
2013 CWF Anticipated Project	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner In-kind	\$0.00			Y
2013 CWF Anticipated Project	Special Projects	Local Fund	2013 CWF Clean Water Assistance Martin SWCD In-kind	\$0.00			Y
2013 CWF Bergemann	Streambank or Shoreline Protection	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$3,000.00	\$3,000.00	9/10/2015	N
2013 CWF Bergemann	Streambank or Shoreline Protection	Landowner Fund	2013 CWF Clean Water Assistance Landowner Cash	\$1,000.00	\$1,000.00	9/10/2015	Y
2013 CWF Cedar Run	Special Projects	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$2,451.00	\$2,451.00	12/11/2014	N
2013 CWF Cedar Run	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner Cash	\$1,000.00	\$1,000.00	12/11/2014	Y
2013 CWF Cedar Run	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner In-kind	\$0.00			Y
2013 CWF Clean Water Assistance Grant Administration	Administration /Coordination	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$8,823.01	\$8,823.01	12/31/2016	N
2013 CWF Clean Water Assistance Project Development	Project Development	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$6,075.82	\$6,075.82	12/31/2016	N
2013 CWF Clean Water Assistance Technical/Engineering	Technical/Engineering Assistance	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$18,589.59	\$18,589.59	12/31/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
2013 CWF Elm Creek Channel Realignment	Streambank or Shoreline Protection	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$196,535.95	\$196,535.95	12/18/2014	N
2013 CWF Elm Creek Channel Realignment	Streambank or Shoreline Protection	Local Fund	2013 CWF Clean Water Assistance Landowner In-kind	\$15,750.80	\$15,750.80	12/18/2014	Y
2013 CWF Elm Creek Channel Realignment	Streambank or Shoreline Protection	Local Fund	2013 CWF Clean Water Assistance Martin County Cash	\$26,168.72	\$26,168.72	12/18/2014	Y
2013 CWF Elm Creek Channel Realignment	Streambank or Shoreline Protection	Local Fund	2013 CWF Clean Water Assistance Martin County In-kind	\$8,427.44	\$8,427.44	12/18/2014	Y
2013 CWF Streambank Restoration in Westford Township	Special Projects	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$17,926.63			N
2013 CWF Streambank Restoration in Westford Township	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner Cash	\$8,000.00			Y
2013 CWF Streambank Restoration in Westford Township	Special Projects	Local Fund	2013 CWF Clean Water Assistance Landowner In-kind	\$7,000.00			Y
Adams Streambank Restoration	Streambank or Shoreline Protection	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$8,513.00			N
Adams Streambank Restoration	Streambank or Shoreline Protection	Local Fund	Local Match	\$2,200.00			Y
Maday Streambank Restoration	Streambank or Shoreline Protection	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$7,835.00			N
Maday Streambank Restoration	Streambank or Shoreline Protection	Federal Funds	Federal Match	\$8,415.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
Roberts Streambank Restoration	Streambank or Shoreline Protection	Current State Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)	\$45,000.00			N
Roberts Streambank Restoration	Streambank or Shoreline Protection	Landowner Fund	Landowner Match	\$15,000.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
342 - Critical Area Planting	1	1	1 COUNT	1 COUNT
342 - Critical Area Planting	1	1	0.5 AC	0.5 AC
580 - Streambank and Shoreline Protection	1	1	1400 LINEAR FEET	1400 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
SEDIMENT (TSS)	294.06	TONS/YR
PHOSPHORUS (EST. REDUCTION)	298.97	LBS/YR
SOIL (EST. SAVINGS)	286.14	TONS/YR

Grant Activity

Grant Activity - 2013 CWF Anticipated Project

Description			
Category	SPECIAL PROJECTS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Activity - 2013 CWF Bergemann

Description	This project is a critical area stabilization in Fraser Township.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	13-Mar-14	End Date	
Has Rates and Hours?	No		
Actual Results	2014: A cost share contract has been signed and initial project design is complete.		
	2015: The first phase of this project was completed and a partial payment was issued. Woody plant materials were used to stabilize an eroding and unstable streambank along Elm Creek.		

Activity Action - Bergemann

Practice	342 - Critical Area Planting	Count of Activities	1
Description	Critical Area Planting		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	10-Sep-15
Mapped Activities	1 Polygon(s)		

Final Indicator for Bergemann

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Elm Creek		

Final Indicator for Bergemann

Indicator Name	SEDIMENT (TSS)	Value	35
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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Elm Creek		
Final Indicator for Bergemann			
Indicator Name	SOIL (EST. SAVINGS)	Value	35
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Elm Creek		

Grant Activity - 2013 CWF Cedar Run			
Description	<p>This project initiates the focus on managing Elm Creek within its flood plain to reduce erosion and improve water quality rather than trying to fix individual problems that have been left untreated until they have become major problems. The project focuses on utilizing materials from the site and in close proximity to the site to reduce the project cost. Ecologically friendly designs are incorporated, utilizing low cost alternatives to conventional methods of stream-bank repair. The use of wood in place of rock where it is available and using rock found on-site and nearby instead of hauling it in from miles away, help keep project costs down to allow more sites to be treated instead of spending tremendous amounts of resources on individual locations.</p> <p>Increasing the creek's habitat quality is an important consideration for each project location. Working with the creek to help it adjust to new flow parameters including the timing and duration of peak flows is a major part of the project. The project also includes critical area plantings.</p>		
Category	SPECIAL PROJECTS		
Start Date	14-Nov-13	End Date	11-Dec-14
Has Rates and Hours?	No		
Actual Results	A critical area stabilization project was completed in Galena Township. The project came in under budget because after discussing the feasibility and need with DNR it was decided only a smaller project was needed.		

Activity Action - Cedar Run			
Practice	342 - Critical Area Planting	Count of Activities	1
Description	Critical Area Planting		
Proposed Size / Units	0.50 AC	Lifespan	10 Years
Actual Size/Units	0.50 AC	Installed Date	11-Dec-14
Mapped Activities	1 Polygon(s)		

Final Indicator for Cedar Run			
Indicator Name	SOIL (EST. SAVINGS)	Value	1.98
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cedar Run		
Final Indicator for Cedar Run			
Indicator Name	SEDIMENT (TSS)	Value	9.9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cedar Run		
Final Indicator for Cedar Run			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14.81
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Cedar Run		

Grant Activity - 2013 CWF Clean Water Assistance Grant Administration

Description	Kathy Smith, Martin SWCD District Manager, will be managing this project.		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Mar-13	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>Kathy has administered this grant. In 2014 she spent 22 hours on grant administration. Ashley has done the eLINK reporting for the grant, including time tracking, as well as contract administration. In 2014 she spent 62 hours on administration and coordination.</p> <p>2015: Ashley spent time doing contract administration, grant reporting, and completing a grant time amendment. Ashley 70 hours at \$37.80/hr</p> <p>2016: Ashley requested a grant amendment and completed contract work and grant reporting. District Manager, 56 hours @ \$40.96/hr</p>		

Grant Activity - 2013 CWF Clean Water Assistance Project Development

Description	Greg Johanson and Rich Perrine will be working with landowners to finalize their involvement. They will also be working with landowners and Martin County staff (primarily the County Highway Department) to set up timelines for implementing the practices.		
Category	PROJECT DEVELOPMENT		
Start Date	1-Mar-13	End Date	
Has Rates and Hours?	Yes		
Actual Results	<p>Rich has been working with the County Highway Department, contractor, and landowners to coordinate the Elm Creek Channel Realignment project. Greg and Rich have been meeting with landowners regarding streambank restorations. In 2014, Greg spent 12 hours coordinating with landowners and Rich spent 40 hours coordinating with landowners and Martin County Staff.</p> <p>2015: Rich continues to do site visits and work with landowners to coordinate streambank restorations and critical area stabilizations. Rich 85 hrs at \$34.09/hr</p> <p>2016: Rich and Ashley have been coordinating with landowners. Water Plan/WCA Technician, 2 hours @ \$36.69/hr District Manager, 3 hours @ \$40.96/hr</p>		

Description	<p>The University of Minnesota will provide assistance to Martin SWCD for technical site assessment, surveys and preliminary analysis and design. Final design, construction supervision, inspection and project completion will be provided by the Martin County Highway Department for some projects and by Martin SWCD, with assistance by Joe Magner, U of M/MPCA for others. Kevin Peymann, Martin County Engineer, will be the main contact at the Highway Department. Joe Magner is a Research Professor at the University of Minnesota and is a Licensed Geoscientist and a Registered Professional Hydrogeologist.</p> <p>The Elm Creek Channel Realignment project will be following MnDOT specifications. A PDF of the preliminary design is attached. The other standards that will be used are Shoreline Protection (580) and Critical Area Plantings (342) from the FOTG.</p> <p>Rich Perrine and Greg Johanson will be the Martin SWCD staff members providing technical assistance on these projects. Combined they have 40 years of experience working for Soil and Water Conservation Districts. Rich has planning and design TAA for Critical Area Plantings (342) and planning TAA for Shoreline Protection (580). Greg Johanson has planning and design TAA for Critical Area Plantings (342).</p>	
Category	TECHNICAL/ENGINEERING ASSISTANCE	
Start Date	1-Mar-13	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>Martin County and Joe Magner from University of Minnesota, in coordination with Rich, provided technical assistance on the Elm Creek Channel Realignment project. Rich provided technical assistance on the Cedar Run project. He has also been working on the planning of the other projects, in coordination with Joe Magner. In 2014, Rich spent 160 hours on technical assistance.</p> <p>2015: Rich continues to coordinate with Joe Magner for project planning and design. Rich spent a considerable amount of his time this year working with DNR and the Army Corps of Engineers on permits. Rich 193 hours at \$34.09/hr</p> <p>2016: Rich, Greg, and Dustin have been coordinating with the TSA and providing survey assistance. Water Plan/WCA Technician, 43 hours @ \$36.69/hr Farm Bill Technician, 4 hours @ \$42.21/hr District Technician, 23 hours @ \$31.11/hr</p>	

Grant Activity - 2013 CWF Elm Creek Channel Realignment

Description	This project will use site specific techniques and the Rosgen Geomorphic Channel Design to reduce the amount of streambank erosion. It will include log and rock vanes as well as tree revetments and willow cuttings when needed, in addition to a minimal amount of rock at the toe of the slope. The project will also redirect a small area from its current channel, which is straight and erosive, to a lengthier, meandering channel. This will reduce peak flow and add storage by lengthening the stream channel.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	7-Mar-13	End Date	18-Dec-14
Has Rates and Hours?	No		
Actual Results	<p>This streambank restoration in Elm Creek Township was completed. Willow cuttings, willow bundles, log and rock vanes, root wads, and a minimal amount of rock were installed as part of this project. The channel was lengthened in order to reduce peak flow and add storage.</p> <p>This project came in \$26,535.95 over the original budget in part because additional water treatment was added to the design. Also, the original bid was from 2013. There were delays in starting the project due to permitting, and during that time costs of the project increased.</p>		

Activity Action - Elm Creek Channel Realignment			
Practice	580 - Streambank and Shoreline Protection	Count of Activities	1
Description	Streambank Restoration		
Proposed Size / Units	1,400.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,400.00 LINEAR FEET	Installed Date	18-Dec-14
Mapped Activities	1 Line(s)		

Final Indicator for Elm Creek Channel Realignment			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	249.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Elm Creek		
Final Indicator for Elm Creek Channel Realignment			
Indicator Name	SOIL (EST. SAVINGS)	Value	249.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)

Waterbody	Elm Creek		
Final Indicator for Elm Creek Channel Realignment			
Indicator Name	SEDIMENT (TSS)	Value	249.16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (STREAM & DITCH STABILIZATION)
Waterbody	Elm Creek		

Grant Activity - 2013 CWF Streambank Restoration in Westford Township

Description	This project will use site specific techniques and the Rosgen Geomorphic Channel Design to reduce the amount of streambank erosion at the Detloff property. It will include log and rock vanes as well as tree revetments and willow cuttings when needed, in addition to a minimal amount of rock at the toe of the slope.		
Category	SPECIAL PROJECTS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results	This landowner has not signed a cost share contract yet.		

Grant Activity - Adams Streambank Restoration

Description	This project is a critical area stabilization and streambank restoration in Nashville Township. Martin SWCD is working with Joe Magner at the University of Minnesota on this project.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	11-Dec-14	End Date	
Has Rates and Hours?	No		
Actual Results	A cost share contract has been signed and initial project design is complete.		

Grant Activity - Maday Streambank Restoration

Description	This project will install streambarbs and "J" hooks for streambank restoration purposes in Center Creek Township.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	3-Jun-14	End Date	
Has Rates and Hours?	No		
Actual Results	A cost share contract has been signed and the project is designed.		
	2016: Project work has started and a time amendment has been approved.		

Grant Activity - Roberts Streambank Restoration

Description	This project will restore a streambank in Center Creek Township.		
Category	STREAMBANK OR SHORELINE PROTECTION		
Start Date	6-Mar-13	End Date	
Has Rates and Hours?	No		
Actual Results	A time amendment was signed on 2/12/15 to extend the contract until 12/31/15. There have been some delays due to permitting.		
	2015: An amendment was signed to extend the project to 12/31/16 due to permitting delays.		
	2016: Project work has started and another time amendment was signed.		

Grant Attachments

Document Name	Document Type	Description
2013 CWF Interim Financial Report	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
40% Payment Authorization EMAIL	Journal	Journal Dated - 04/16/2015
ALLD ETAILS REPORT ATTACHMENT PRIOR TO REVISION REQUEST	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/08/2014
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/17/2016

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/16/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/15/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/11/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/02/2015
Amendment	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
Amendment	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
Elm Creek Channel Realignment.pdf	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
Executed Grant Agreement	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
GAA extension request email	Journal	Journal Dated - 11/07/2016
Grant Agreement Amendment	Journal	Journal Dated - 11/07/2016
Monitoring Visit January 14, 2014	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
REVISION REQUEST ANSWERS TO QUESTIONS	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
REVISION REQUEST INFO NEEDED CORRESPONDANCE	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
Revision Table	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
Workplan Revision Request	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
grant_app_general-added.rpt	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
martin swcd records.pdf	Grant	2013 - Clean Water Assistance Grant - Martin (SWCD)
windmill reques approval email	Journal	Journal Dated - 11/25/2015