



Grant All-Detail Report Projects and Practices 2014

Grant Title - Surface Water Treatment in the Elm Creek Watershed

Grant ID - C14-9785

Organization - Martin SWCD

Grant Awarded Amount	\$196,400.00	Grant Execution Date	
Required Match Amount	\$49,100.00	Grant End Date	12/31/2016
Required Match %	25%	Grant Day To Day Contact	Ashley Brenke

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$196,400.00	\$43,469.83	\$152,930.17
Total Match Amount	\$78,150.00	\$200.00	\$77,950.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$274,550.00	\$43,669.83	\$230,880.17

**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
Adams Saturated Buffer	Conservation Drainage	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$41,250.00			N
Adams Saturated Buffer	Conservation Drainage	Federal Funds	319 Match UMN	\$6,750.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
Adams Saturated Buffer	Conservation Drainage	Landowner Fund	Landowner In-kind	\$1,000.00			Y
Adams Saturated Buffer	Conservation Drainage	Local Fund	Fox Lake Conservation League	\$6,000.00			Y
Additional Projects	Conservation Drainage	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$63,500.00			N
Additional Projects	Conservation Drainage	Landowner Fund	Landowner Cash	\$17,500.00			Y
Additional Projects	Conservation Drainage	Landowner Fund	Landowner In-kind	\$5,000.00			Y
Becker Treatment Wetland	Wetland Restoration/Creation	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$33,250.00			N
Becker Treatment Wetland	Wetland Restoration/Creation	Local Fund	Local Match	\$35,000.00			Y
Education	Education/Information	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$1,200.00	\$973.56	12/31/2016	N
Education	Education/Information	Local Fund	Local In-kind Facilities and Materials	\$600.00	\$200.00	12/31/2015	Y
Grant Administration	Administration/Coordination	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$3,600.00	\$2,883.96	12/31/2016	N
Lorenz Wetland Treatment	Wetland Restoration/Creation	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$30,000.00	\$30,000.00	4/25/2016	N
Lorenz Wetland Treatment	Wetland Restoration/Creation	Landowner Fund	Landowner Cash	\$2,300.00			Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
Lorenz Wetland Treatment	Wetland Restoration/Creation	Landowner Fund	Landowner In-kind	\$2,500.00			Y
Outreach and prioritization	Project Development	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$3,600.00	\$1,291.45	12/31/2016	N
Smith Saturated Buffer	Conservation Drainage	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$0.00			N
Smith Saturated Buffer	Conservation Drainage	Landowner Fund	Landowner Cash	\$0.00			Y
Smith Saturated Buffer	Conservation Drainage	Landowner Fund	Landowner In-kind	\$0.00			Y
Technical Assistance	Technical/Engineering Assistance	Current State Grant	Surface Water Treatment in the Elm Creek Watershed	\$20,000.00	\$8,320.86	12/31/2016	N
Technical Assistance	Technical/Engineering Assistance	Local Fund	Local Fund	\$1,500.00			Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
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Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Adams Saturated Buffer	PHOSPHORUS (EST. REDUCTION)	19.27 LBS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Johnson Saturated Buffer	PHOSPHORUS (EST. REDUCTION)	16.39 LBS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no estimator for saturated buffer the filter strip estimator was used.
Smith Saturated Buffer	PHOSPHORUS (EST. REDUCTION)	19.20 LBS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.
Adams Saturated Buffer	SOIL (EST. SAVINGS)	14.90 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.
Johnson Saturated Buffer	SOIL (EST. SAVINGS)	7.45 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no estimator for saturated buffer the filter strip estimator was used.
Smith Saturated Buffer	SOIL (EST. SAVINGS)	14.40 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.
Adams Saturated Buffer	SEDIMENT (TSS)	11.95 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.
Johnson Saturated Buffer	SEDIMENT (TSS)	10.43 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no estimator for saturated buffer the filter strip estimator was used.
Smith Saturated Buffer	SEDIMENT (TSS)	12.08 TONS/YR	Elm Creek	BWSR CALC (FILTER STRIP)	Since there is no tool for saturated buffers the reduction estimator for filter strip was used.

Final Indicators Summary

Indicator Name	Total Value	Unit
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Grant Activity

Grant Activity - Adams Saturated Buffer	
Description	This project is a saturated buffer (conservation practice standard 739) in Section 34 of Nashville Township. There is no pollution reduction estimator for nitrate reductions of saturated buffers but Joe Magner from University of Minnesota estimated that reduction can range from 50-100%. The in-kind services provided by the landowner will be the value of the land (approximately \$1,400).
Category	CONSERVATION DRAINAGE
Start Date	11-Dec-14 End Date
Has Rates and Hours?	No
Actual Results	2015: A cost share contract has been signed and the project is designed.

Grant Activity - Additional Projects	
Description	These funds are for two saturated buffer projects that are still in development and two additional saturated buffer or constructed wetland projects that will be identified through additional prioritization. The in-kind services provided by the landowners will be the value of the land (approximately \$13,000 total).
Category	CONSERVATION DRAINAGE
Start Date	1-Jan-15 End Date
Has Rates and Hours?	No
Actual Results	2015: \$23,250 removed from this activity for the Becker activity.

Grant Activity - Becker Treatment Wetland	
Description	This activity will create a treatment wetland in Center Creek Township.
Category	WETLAND RESTORATION/CREATION
Start Date	12-Nov-15 End Date
Has Rates and Hours?	No
Actual Results	A cost share contract has been signed and the preliminary design is complete.

Grant Activity - Education

Description	Martin SWCD will inform the public about this grant through its countywide newsletter, its weekly radio program, newspaper articles, and one-to-one interactions with landowners. The in-kind materials will be the value of publishing the newsletter and putting on the radio program (approximately \$200), donated meeting facilities (approximately \$200), and the donated time of outside presenters (approximately \$200).	
Category	EDUCATION/INFORMATION	
Start Date	1-Jan-15	End Date
Has Rates and Hours?	Yes	
Actual Results	2015: Rich has discussed this grant and the value of its practices during the County Fair and in the Martin SWCD countywide Conservation Update. A portion of the cost for the Update was used as match. Rich 10 hours at \$34.09/hr 2016: Rich continued to provide education and information about this grant to Martin County residents and state agency staff. Funds were also used to purchase Clean Water Fund logo signs for project locations (\$192.38). Water Plan/WCA Technician, 12 hours @ \$36.69/hr	

Grant Activity - Grant Administration

Description	This budget item will cover the costs of grant administration, including reporting and time tracking requirements.	
Category	ADMINISTRATION/COORDINATION	
Start Date	1-Oct-14	End Date
Has Rates and Hours?	Yes	
Actual Results	2014: Staff has done grant administration. Ashley spent six hours doing contract work and doing grant reporting in eLINK. 2015: Ashley has provided contract assistance and grant administration and has done elink reporting and time tracking. Ashley 49 hours at \$37.80/hr 2016: Ashley administered contracts under this grant and completed a grant amendment. District Manager, 21 hours @ \$40.96/hr	

Grant Activity - Lorenz Wetland Treatment

Description	This is a constructed wetland (conservation practice standard 656) in Section 11 of Elm Creek Township. There is no pollution reduction estimator for constructed wetlands but there will be a reduction in sediment, phosphorus, and nitrates. The in-kind services provided by the landowner will be the value of the land (approximately \$1,600) and his time assisting with the vegetation establishment for the practice (\$900, 60 hours at \$15/hr).	
Category	WETLAND RESTORATION/CREATION	
Start Date	12-Nov-15	End Date
Has Rates and Hours?	No	
Actual Results	2015: The cost share contract has been approved and the project has been designed by the TSA. Construction started in December.	

Grant Activity - Outreach and prioritization

Description	These funds are requested for staff time to continue working with interested landowners, as well as identify additional projects through prioritization.	
Category	PROJECT DEVELOPMENT	
Start Date	1-Jan-15	End Date
Has Rates and Hours?	Yes	
Actual Results	<p>2015: Martin SWCD staff has discussed this grant one-on-one with multiple landowners.</p> <p>Rich 15 hours at \$34.09/hr</p> <p>Greg 1 hour at \$39.26/hr</p> <p>Dustin 6.5 hours at \$23.51/hr</p> <p>2016: Staff members continue to reach out to landowners and target priority locations for projects.</p> <p>District Manager, 13 hours @ \$40.96/hr</p> <p>Outreach Coordinator, 2 hours @ \$27.77/hr</p>	

Grant Activity - Smith Saturated Buffer	
Description	These funds are for the construction of a saturated buffer (conservation practice standard 739) in Section 35 of Westford Township. There is no pollution reduction estimator for nitrate reductions of saturated buffers but Joe Magner from University of Minnesota estimated that reduction can range from 50-100%. The in-kind services provided by the landowner will be the value of the land (approximately \$6,880).
Category	CONSERVATION DRAINAGE
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Grant Activity - Technical Assistance	
Description	Technical assistance for the projects. Approximately 400 hours at \$50. The match will be cash provided by Martin SWCD.
Category	TECHNICAL/ENGINEERING ASSISTANCE
Start Date	1-Oct-14 End Date
Has Rates and Hours?	Yes
Actual Results	2014: Rich has coordinated with Joe Magner, University of Minnesota, on preliminary analysis and design for the Adams project. 2015: Rich continues to coordinate with Joe Magner. He has also been working with the TSA out of Mankato and assisted with the Lorenz practice layout. Rich 67 hours at \$34.09/hr 2016: Rich, Greg, and Dustin have coordinated with the South Central TSA on project design and have assisted with surveying. Water Plan/WCA Technician, 62 hours @ \$36.69/hr Farm Bill Technician, 4 hours @ \$42.21/hr District Technician, 20 hours @ \$31.11/hr

Grant Attachments

Document Name	Document Type	Description
2014 Competitive Grant_2	Grant Agreement	2014 Competitive Grant_2 - Martin SWCD
2014 Competitive Grant_2 executed	Grant Agreement	2014 Competitive Grant_2 - Martin SWCD
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/17/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/11/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/09/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2015
Amendment	Grant	Surface Water Treatment in the Elm Creek Watershed
Application	Workflow Generated	Workflow Generated - Application - 10/04/2013
Request for revision	Grant	Surface Water Treatment in the Elm Creek Watershed
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/22/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 07/17/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 06/25/2014
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 11/16/2015
grantmap_10465_2013-10-03_12-26-57-PM.jpg	Grant	Surface Water Treatment in the Elm Creek Watershed