



Grant All-Detail Report

Multipurpose Drainage Management 2016

Grant Title - 2016 CD8 Erosion and Pollution reduction

Grant ID - C16-6758

Organization - Freeborn SWCD

Original Awarded Amount	\$32,500.00	Grant Execution Date	2/29/2016
Required Match Amount	\$8,125.00	Original Grant End Date	12/31/2018
Required Match %	25%	Grant Day To Day Contact	Brenda Lageson
Current Awarded Amount	\$32,500.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,500.00	\$32,500.00	\$0.00
Total Match Amount	\$12,895.38	\$12,895.38	\$0.00
Total Other Funds	\$24,462.62	\$24,462.62	\$0.00
Total	\$69,858.00	\$69,858.00	\$0.00

*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
2016 CD8 Administration	Administration /Coordination	Current State Grant	2016 CD8 Erosion and Pollution reduction	\$1,500.00	\$1,500.00	9/18/2019	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Current State Grant	2016 CD8 Erosion and Pollution reduction	\$25,000.00	\$25,000.00	1/9/2020	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$13,930.25	\$13,930.25	10/15/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$768.00	\$768.00	10/15/2020	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$1,321.87	\$1,321.87	10/15/2020	N
2016 CD8 Landowner Fund	Agricultural Practices	Landowner Fund	Landowner contribution	\$3,948.00	\$3,948.00	10/15/2020	Y
2016 CD8 Landowner Fund	Agricultural Practices	Other Funds	Landowner contribution	\$522.00	\$522.00	10/15/2020	N
2016 CD8 Landowner Fund	Agricultural Practices	Other Funds	Landowner contribution	\$1,620.00	\$1,620.00	10/15/2020	N
2016 CD8 Technical and Engineering Assistance	Technical/Engineering Assistance	Current State Grant	2016 CD8 Erosion and Pollution reduction	\$6,000.00	\$6,000.00	9/18/2019	N
2016 CD8 local funds	Agricultural Practices	Local Fund	County Fund	\$896.96	\$896.96	10/15/2020	Y
2016 CD8 local funds	Agricultural Practices	Local Fund	Turtle Creek Watershed District Contribution	\$8,050.42	\$8,050.42	10/15/2020	Y
2016 CD8 local funds	Agricultural Practices	Other Funds	Turtle Creek Watershed District & County Funds	\$6,300.50	\$6,300.50	10/15/2020	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
412 - Grassed Waterway and Swales	1	1	1203 LINEAR FEET	1203 LINEAR FEET
410 - Grade Stabilization Structure	1	1	1 COUNT	1 COUNT
638 - Water and Sediment Control Basin	1	1	1 COUNT	1 COUNT

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)	28.77	TONS/YR
SOIL (EST. SAVINGS)	38.46	TONS/YR
PHOSPHORUS (EST. REDUCTION)	24.88	LBS/YR

Grant Activity

Grant Activity - 2016 CD8 Administration			
Description	2016 CD8 Administration Funds will be spent by SWCD staff to complete administration of the grant. Administration includes but is not limited to completing eLINK reporting and coordination of activities necessary to complete this grant.		
Category	ADMINISTRATION/COORDINATION		
Start Date	29-Feb-16	End Date	31-Dec-19
Has Rates and Hours?	Yes		
Actual Results	<p>A/C - 1 hour expended on this grant in 2016/17 of \$59.28 - Manager meeting with SWCD Board and County Ditch Inspector.</p> <p>A/C - 14.5 hours expended on this grant in 2018 of \$1003.69 - Manager working with landowners, County Ditch Inspector, engineers, and NRCS wetland team for certified wetland determination. Billable rate of \$69.22 per hour.</p> <p>2019 A/C - 8 hours @ \$56.81 = \$454.48 for administering this grant per BWSR billable rate.</p>		

Grant Activity - 2016 CD8 Agricultural BMPs			
Description	2016 CD8 Agricultural BMPs Cost share paid to landowners for the implementation of BMPs. Cost share shall not exceed 75% of eligible project costs. Installation of 4-5 WASCOBs, one grassed waterway, and one alternative tile intake are proposed.		
Category	AGRICULTURAL PRACTICES		
Start Date	29-Feb-16	End Date	31-Dec-20
Has Rates and Hours?	No		
Actual Results	1 BMP, a WASCOB was completely constructed and completed in 2019. 1 other BMP, a Grade Stabilization structure was completed in 2020. Work on that BMP consisted of grading out the structure, seeding, and mulching Also, cleaning up the rock basin and putting a hood on the PVC outlet pipe. Another BMP, a Grassed Waterway was nearly completed in 2020, but will need some touch up work in 2021 due to dry conditions in 2020. In 2020 support tile was installed on the waterway. These BMP's installed just upstream of County Ditch 8 will prevent nutrients and sediment from getting directly into the ditch. This project was originally assigned to CWF MDM CD8, but once construction began it became apparent there were not going to be enough funds with the CWF MDM CD8 grant alone because of the delay in getting the project completed and also because of some unforeseen damages that would need repair. This project was on our 2014 flood grant request list and since we had dollars left under these grants our board agreed that this would be the perfect funding source for this project.		

Activity Action - WangsnessR_WASCOB_FY16-CWF-CD8-02			
Practice	638 - Water and Sediment Control Basin	Count of Activities	1
Description	WASCOB installed		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	14-Nov-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	TSA

Final Indicator for WangsnessR_WASCOB_FY16-CWF-CD8-02			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7.01
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		
Final Indicator for WangsnessR_WASCOB_FY16-CWF-CD8-02			
Indicator Name	SEDIMENT (TSS)	Value	8.25

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		
Final Indicator for WangsnessR_WASCOB_FY16-CWF-CD8-02			
Indicator Name	SOIL (EST. SAVINGS)	Value	16.50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		

Activity Action - WangsnessC_WW_FY16CWF-CD8-01			
Practice	412 - Grassed Waterway and Swales	Count of Activities	1
Description	Proj. mostly complete.		
Proposed Size / Units	1,203.00 LINEAR FEET	Lifespan	10 Years
Actual Size/Units	1,203.00 LINEAR FEET	Installed Date	31-Dec-20
Mapped Activities	1 Polygon(s)	Technical Assistance Provider	TSA

Final Indicator for WangsnessC_WW_FY16CWF-CD8-01			
Indicator Name	SEDIMENT (TSS)	Value	19.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		

Final Indicator for WangsnessC_WW_FY16CWF-CD8-01			
Indicator Name	SOIL (EST. SAVINGS)	Value	19.07
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		

Final Indicator for WangsnessC_WW_FY16CWF-CD8-01			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	16.21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		

Activity Action - AndersonM_410_FY16-CWF-CD8-03			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	A grade stabilization structure was installed. There was also a cistern rock basin installed on the backside of the structure to allow the water to slow down before it enters into the grassed waterway down stream. The grade stabilization structure is approximated 190 feet long and about 10-12 feet tall. The structure prevents 1.45 tons per year of sediment, 2.89 tons per year of soil, and 1.69 pounds per year of phosphorus from entering County Ditch 8.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	31-Oct-20
Mapped Activities	1 Point(s)	Technical Assistance Provider	TSA

Final Indicator for AndersonM_410_FY16-CWF-CD8-03			
Indicator Name	SEDIMENT (TSS)	Value	1.45
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		
Final Indicator for AndersonM_410_FY16-CWF-CD8-03			
Indicator Name	SOIL (EST. SAVINGS)	Value	2.89
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		
Final Indicator for AndersonM_410_FY16-CWF-CD8-03			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	1.66
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (GULLY STABILIZATION)
Waterbody	County Ditch 8		

Grant Activity - 2016 CD8 Landowner Fund			
Description	2016 CD8 Landowner Fund Landowner contribution towards implementation of BMP costs. Multiple landowners.		
Category	AGRICULTURAL PRACTICES		
Start Date	29-Feb-16	End Date	10-Nov-20
Has Rates and Hours?	No		
Actual Results			

Grant Activity - 2016 CD8 Technical and Engineering Assistance

Description	2016 CD8 Technical and Engineering Assistance SWCD staff will provide technical and engineering assistance with the implementation of BMPs. Staff will assist with initial inventory and evaluation, survey, design, and construction check-out of BMPs as needed. Staff will work with landowners, contractors, and partners to accomplish tasks.		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	29-Feb-16	End Date	31-Dec-19
Has Rates and Hours?	Yes		
Actual Results	<p>2017 T & A - 2 Tech 9.5 hours @ \$31.91, 3 Tech 15 hours @ \$30.92 and Mgr. 16 hours @ \$64.25 - as calculated using BWSR billing rates. Continued technical assistance on flood damage projects. Conducted survey and design on 3-4 WASCBS and one grassed waterway. Coordinated with Ditch inspector regarding county ditch and tile.</p> <p>2018 T & A - 2 Tech 2 hours @ \$40.38, 3 Tech 39.5 hours @ \$33.24 - as calculated using BWSR billing rates. Continued technical assistance on flood damage projects.</p> <p>Additional survey on site was done in 2018. There were also multiple meetings with the landowners, which led to some slight changes in the design of a couple of the projects. The final plans are 90% completed. We are currently working with the landowners to get the final designs completed so they can get a contractor lined up for 2019. There is 1 waterway, 1 grade stabilization structure, 1 basin, and 1 basin/terrace project planned.</p> <p>2019 Update. Staff worked diligently to coordinate this project with landowners, engineer, contractor, Turtle Creek WD, and finding other grant funds to make this happen. Project is now mostly complete. Needs some support tile, grading and seeding in 2020. All T & A has been expended for this grant. 39.5 hours @ \$44.62 = \$1,762.49 and 11 hours @ 492.47 per BWSR billable rate.</p>		

Grant Activity - 2016 CD8 local funds			
Description	2016 CD8 local funds Turtle Creek Watershed District contribution toward BMP installation.		
Category	AGRICULTURAL PRACTICES		
Start Date	29-Feb-16	End Date	10-Nov-20
Has Rates and Hours?	No		
Actual Results	Turtle Creek has paid on the 1 project that is finished and will pay on the other 2 when completed in 2020.		

Grant Attachments

Document Name	Document Type	Description
16CD8 Turtle Creek Cont.	Grant	2016 CD8 Erosion and Pollution reduction
2016 Freeborn MDM Grant amendment	Grant Agreement Amendment	
2016 Multipurpose Drainage Amendment EXECUTED	Grant Agreement Amendment	
2016 Multipurpose Drainage Management	Grant Agreement	2016 Multipurpose Drainage Management - Freeborn SWCD
2016 Multipurpose Drainage Management executed	Grant Agreement	2016 Multipurpose Drainage Management - Freeborn SWCD
2016 Multipurpose Dranage Amendment EXECUTED	Grant Agreement Amendment	
2016 billable rates & hours	Grant	2016 CD8 Erosion and Pollution reduction
2017 T&A	Grant	2016 CD8 Erosion and Pollution reduction
All Detail Report	Grant	2016 CD8 Erosion and Pollution reduction
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/27/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/19/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/08/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/24/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/24/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2019

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/10/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/06/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/30/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/28/2019
Amendment request 2019	Grant	2016 CD8 Erosion and Pollution reduction
Application	Workflow Generated	Workflow Generated - Application - 10/30/2015
C16_6758 Grant Amendment	Grant Agreement Amendment	
Drainage inspector report - identification of priority drainage system	Grant	2016 CD8 Erosion and Pollution reduction
Engineer's report	Grant	2016 CD8 Erosion and Pollution reduction
Final financial report	Grant	2016 CD8 Erosion and Pollution reduction
Final financial_signed	Grant	2016 CD8 Erosion and Pollution reduction
Grant amendment request	Grant	2016 CD8 Erosion and Pollution reduction
Letter of intent to partner - Freeborn County Drainage Authority	Grant	2016 CD8 Erosion and Pollution reduction
Letter of intent to partner - Freeborn SWCD	Grant	2016 CD8 Erosion and Pollution reduction
Letter of intent to partner - Turtle Creek WD	Grant	2016 CD8 Erosion and Pollution reduction
Proposed Project Map	Grant	2016 CD8 Erosion and Pollution reduction
SWAT Map	Grant	2016 CD8 Erosion and Pollution reduction
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 12/17/2015
grantmap_15528_2015-10-22_11-02-35-AM.jpg	Grant	2016 CD8 Erosion and Pollution reduction