



# 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	<b>\$32,500.00</b>	Grant Execution Date	<b>2/29/2016</b>
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	12/31/2019

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,500.00	\$32,500.00	\$0.00
Total Match Amount	\$8,125.00	\$5,245.45	\$2,879.55
Total Other Funds	\$13,105.25	\$11,105.25	\$2,000.00
<b>Total</b>	<b>\$53,730.25</b>	<b>\$48,850.70</b>	<b>\$4,879.55</b>

\*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 Landowner Fund	Agricultural Practices	Landowner Fund	Landowner contribution	\$2,500.00	\$2,500.00	11/14/2019	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
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	Turtle Creek Watershed District Contribution	\$5,625.00	\$2,745.45	11/19/2019	Y
AndersonM_410_FY16-CWF-CD8-03	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$13,105.25	\$11,105.25	1/9/2020	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
410 - Grade Stabilization Structure	1		1 COUNT	COUNT
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	
Has Rates and Hours?	No		
Actual Results	1 BMP was completely constructed and completed in 2019. The 2 other BMP's were mostly completed but have some work to be done in 2020. The work that still needs to be completed consists of installing support tile and channel tile and doing clean up work on the sites. These BMP's installed just upstream of County Ditch 8 will prevent nutrients and sediment from getting directly into the ditch.		

Activity Action - WangnessR_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)		

Final Indicator for WangnessR_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		
Final Indicator for WangnessR_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 WangnessR_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		

Activity Action - WangnessC_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	
Mapped Activities	1 Polygon(s)		

Final Indicator for WangnessC_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		
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		

Activity Action - AndersonM_410_FY16-CWF-CD8-03			
Practice	410 - Grade Stabilization Structure	Count of Activities	1
Description	Project is set to be completed in 2020.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	
Mapped Activities	1 Point(s)		

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
Has Rates and Hours?	No	
Actual Results		

**Grant Activity - 2016 CD8 Technical and Engineering Assistance**

<b>Description</b>	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.		
<b>Category</b>	TECHNICAL/ENGINEERING ASSISTANCE		
<b>Start Date</b>	29-Feb-16	<b>End Date</b>	31-Dec-19
<b>Has Rates and Hours?</b>	Yes		
<b>Actual Results</b>	<p>2017 T &amp; 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 &amp; 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 &amp; 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
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
<b>16CD8 Turtle Creek Cont.</b>	Grant	2016 CD8 Erosion and Pollution reduction
<b>2016 Freeborn MDM Grant amendment</b>	Grant Agreement Amendment	
<b>2016 Multipurpose Drainage Amendment EXECUTED</b>	Grant Agreement Amendment	
<b>2016 Multipurpose Drainage Management</b>	Grant Agreement	2016 Multipurpose Drainage Management - Freeborn SWCD
<b>2016 Multipurpose Drainage Management executed</b>	Grant Agreement	2016 Multipurpose Drainage Management - Freeborn SWCD
<b>2016 Multipurpose Dranage Amendment EXECUTED</b>	Grant Agreement Amendment	
<b>2016 billable rates &amp; hours</b>	Grant	2016 CD8 Erosion and Pollution reduction
<b>2017 T&amp;A</b>	Grant	2016 CD8 Erosion and Pollution reduction
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/28/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/27/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/27/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/19/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/06/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/30/2020
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/23/2019
<b>Amendment request 2019</b>	Grant	2016 CD8 Erosion and Pollution reduction



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