



Grant Progress Report

Disaster Relief 2017

Grant Title: 2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD)

Grant ID: P17-3766

Grant Award (\$): \$55,010.00

Grant Execution Date: 08/25/2016

Grantee: Freeborn SWCD

Required Match (%): 0

Grant End Date: 12/31/2020

Fiscal Agent:

Required Match (\$): \$0.00

Grant Day-to-Day Contact: Lindsey Cornell

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$47,925.75	\$47,925.75	\$7,084.25
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$49,357.75	\$49,357.75	\$0.00
Total	\$97,283.50	\$97,283.50	\$7,084.25

*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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
2016 CD8 local funds	Agricultural Practices	Local Fund	Turtle Creek Watershed District Contribution	\$8,050.42	\$8,050.42	\$0.00	Y
2016 CD8 local funds	Agricultural Practices	Local Fund	Turtle Creek Watershed District & County Funds	\$6,300.50	\$6,300.50	\$0.00	N
2016 CD8 local funds	Agricultural Practices	Local Fund	County Fund	\$896.96	\$896.96	\$0.00	Y

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
Technical and Administrative	Administration/Coordination	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$11,002.00	\$11,002.00	\$0.00	N
AndersonM DRAP3-17-02(638)	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$17,518.50	\$17,518.50	\$0.00	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2016 CD8 Erosion and Pollution reduction	\$25,000.00	\$25,000.00	\$0.00	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$1,321.87	\$1,321.87	\$0.00	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Other Funds	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$768.00	\$768.00	\$0.00	N
2016 CD8 Agricultural BMPs	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$13,930.25	\$13,930.25	\$0.00	N
AndersonM DRAP3-17-03(412)	Agricultural Practices	Other Funds	2020 - State Cost-Share Fund (Freeborn SWCD)	\$930.00	\$930.00	\$0.00	N
AndersonM DRAP3-17-03(412)	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$5,475.00	\$5,475.00	\$0.00	N
2016 CD8 Landowner Fund	Agricultural Practices	Landowner Fund	Landowner contribution	\$3,948.00	\$3,948.00	\$0.00	Y
2016 CD8 Landowner Fund	Agricultural Practices	Landowner Fund	Landowner contribution	\$1,620.00	\$1,620.00	\$0.00	N
2016 CD8 Landowner Fund	Agricultural Practices	Landowner Fund	Landowner contribution	\$522.00	\$522.00	\$0.00	N

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	3.93	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	4.62	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	13.2	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	1.77	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	1.54	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	3.08	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	24.88	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	28.77	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	38.46	Tons/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Estimates)			

Grant Activities

Activity Name: 2016 CD8 Agricultural BMPs

Activity Category: Agricultural Practices **Staff time?:** No

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.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2016 CD8 Erosion and Pollution reduction	\$25,000.00	\$25,000.00	\$0.00	01/09/2020	N
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$1,321.87	\$1,321.87	\$0.00	10/15/2020	N
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 4 (Freeborn SWCD)..	\$768.00	\$768.00	\$0.00	10/15/2020	N
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$13,930.25	\$13,930.25	\$0.00	10/15/2020	N

Actual Results

<u>Results</u>	<u>Date Added</u>
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	1/27/2016 5:00:19 PM

Results

Date Added

began it became apparent there 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.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	28.77	Tons/Yr
Phosphorus (Est. Reduction)	24.88	Lbs/Yr
Soil (Est. Savings)	38.46	Tons/Yr

Activity Action Name: WangsnessC_WW_FY16CWF-CD8-01	Activity Count: 1
Practice Type: 412 - Grassed Waterway and Swales	Size/Units: 1203 - Linear Feet
TA Provider/JAA: TSA	Lifespan: 10 Years
Practice Description: Proj. mostly complete.	Install Date: 12/31/2020
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	19.07	Bwsr Calc (Gully Stabilization)	County Ditch 8
Phosphorus (Est. Reduction)	Lbs/Yr	16.21	Bwsr Calc (Gully Stabilization)	County Ditch 8
Soil (Est. Savings)	Tons/Yr	19.07	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Action Name:	AndersonM_410_FY16-CWF-CD8-03	Activity Count: 1
Practice Type:	410 - Grade Stabilization Structure	Size/Units: 1 - Count
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice 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.	Install Date: 10/31/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	1.66	Bwsr Calc (Gully Stabilization)	County Ditch 8
Sediment (Tss)	Tons/Yr	1.45	Bwsr Calc (Gully Stabilization)	County Ditch 8
Soil (Est. Savings)	Tons/Yr	2.89	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Action Name:	WangsnessR_WASCOB_FY16-CWF-CD8-02	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 1 - Count
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	WASCOB installed	Install Date: 11/14/2019
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	7.01	Bwsr Calc (Gully Stabilization)	County Ditch 8
Soil (Est. Savings)	Tons/Yr	16.5	Bwsr Calc (Gully Stabilization)	County Ditch 8
Sediment (Tss)	Tons/Yr	8.25	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Name: 2016 CD8 Landowner Fund

Activity Category: Agricultural Practices

Staff time?: No

Description: 2016 CD8 Landowner Fund

Landowner contribution towards implementation of BMP costs. Multiple landowners.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Landowner Fund	Landowner contribution	\$3,948.00	\$3,948.00	\$0.00	10/15/2020	Y
Landowner Fund	Landowner contribution	\$1,620.00	\$1,620.00	\$0.00	10/15/2020	N
Landowner Fund	Landowner contribution	\$522.00	\$522.00	\$0.00	10/15/2020	N

Actual Results

Results Date Added

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Activity Name: 2016 CD8 local funds

Activity Category: Agricultural Practices

Staff time?: No

Description: 2016 CD8 local funds

Turtle Creek Watershed District contribution toward BMP installation.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Local Fund	Turtle Creek Watershed District Contribution	\$8,050.42	\$8,050.42	\$0.00	10/15/2020	Y
Local Fund	Turtle Creek Watershed District & County Funds	\$6,300.50	\$6,300.50	\$0.00	10/15/2020	N
Local Fund	County Fund	\$896.96	\$896.96	\$0.00	10/15/2020	Y

Actual Results

Results Date Added

Turtle Creek has paid on the 1 project that is finished and will pay on the other 2 when completed in 2020.

1/27/2016 5:20:53 PM

Activity Name: AndersonM DRAP3-17-02(638)

Activity Category: Agricultural Practices

Staff time?: No

Description: Water & Sediment Control Basin

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$17,518.50	\$17,518.50	\$0.00	10/15/2020	N

Actual Results**Results** **Date Added**

The WASC OB has been completely installed. The basin is 350 feet long and holds back water to a 10 acre watershed. The water is then metered down a tile line where it eventually ties into the county tile line. This prevents all of this water from flowing over the surface of the land preventing erosion keeping sediment and nutrients out of County Ditch 8. A total of 1.54 tons per year of sediment, 3.08 tons per year of soil, and 1.77 lbs per year of phosphorus is held back and kept on the cropland.

10/18/2019 10:45:06 AM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	1.77	Lbs/Yr
Soil (Est. Savings)	3.08	Tons/Yr
Sediment (Tss)	1.54	Tons/Yr

Activity Action Name:	AndersonM_638_DRAP3-17-02	Activity Count: 1
Practice Type:	638 - Water and Sediment Control Basin	Size/Units: 1 - Count
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	The WASC OB has been completely installed. The basin is 350 feet long and holds back water to a 10 acre watershed. The water is then metered down a tile line where it eventually ties into the county tile line. This prevents all of this water from flowing over the surface of the land preventing erosion keeping sediment and nutrients out of County Ditch 8. A total of 1.54 tons per year of sediment, 3.08 tons per year of soil, and 1.77 lbs per year of phosphorus is held back and kept on the cropland.	Install Date: 10/31/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	1.54	Bwsr Calc (Gully Stabilization)	County Ditch 8
Soil (Est. Savings)	Tons/Yr	3.08	Bwsr Calc (Gully Stabilization)	County Ditch 8
Phosphorus (Est. Reduction)	Lbs/Yr	1.77	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Name: AndersonM DRAP3-17-03(412)

Activity Category: Agricultural Practices

Staff time?: Yes

Description: Grassed Waterway

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$930.00	\$930.00	\$0.00	08/25/2021	N
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$5,475.00	\$5,475.00	\$0.00	10/15/2020	N

Actual Results

Results Date Added

Grassed waterway was completed in spring of 2021. The grassed waterway installed will prevent nutrients and sediment from being dumped directly into County Ditch 8. This project is in conjunction with 3 other structures installed directly upstream to assist with the load that enters the waterway. 9/18/2019 3:51:13 PM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	3.93	Lbs/Yr
Soil (Est. Savings)	13.2	Tons/Yr
Sediment (Tss)	4.62	Tons/Yr

Activity Action Name:	AndersonM_412_DRAP3-17-03	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 837 - Linear Feet
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	Grassed waterway was completed in spring of 2021. The grassed waterway installed will prevent nutrients and sediment from being dumped directly into County Ditch 8. This project is in conjunction with 3 other structures installed directly upstream to assist with the load that enters the waterway.	Install Date: 06/13/2021
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	13.2	Bwsr Calc (Gully Stabilization)	County Ditch 8
Phosphorus (Est. Reduction)	Lbs/Yr	3.93	Bwsr Calc (Gully Stabilization)	County Ditch 8
Sediment (Tss)	Tons/Yr	4.62	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Name: AndersonM_410_FY16-CWF-CD8-03	
Activity Category: Agricultural Practices	Staff time?: No
Description: Implementation of WASCObS, grassed waterways, alternative tile intakes, and supporting practices.	
Actual Results	
<u>Results</u>	<u>Date Added</u>
The grade stabilization structure is near completion. The structure still needs to be shaped up, seeded, and anti vortex hood installed on the pipe. These BMP's installed just upstream of County Ditch 8 will prevent nutrients and sediment from getting directly into the ditch.	1/21/2020 10:50:07 AM

Activity Name: Technical and Administrative

Activity Category: Administration/Coordination

Staff time?: No

Description: Technical and Administrative

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2014 - Minnesota Flood Relief Grant Phase 3B (Freeborn SWCD ..	\$11,002.00	\$11,002.00	\$0.00	04/09/2020	N

Actual Results

Results Date Added

Staff has been busy working with several landowners on DRAP list. It has been a difficult weather season and staff was wanting to complete projects in DRAP 1 & 2 first. We asked for and were granted an extension until 12/31/2019. 2018 staff hours are as follows. Office Manager 1 hr. @ \$53.75, Manager 2 hours @ \$69.22, 3 Tech 43.5 hours @ 33.24 and 2 Tech 55 hours @ \$40.38. In April, 2020 the SWCD reimbursed the TSA for staff time working on this project. An expenditure of \$2,117.52 is reflected in this reimbursement.

1/22/2019 4:09:41 PM