



Grant Progress Report

Cost Share 2020

Grant Title: 2020 - State Cost-Share Fund (Freeborn SWCD)

Grant ID: P20-5196

Grantee: Freeborn SWCD

Fiscal Agent:

Grant Day-to-Day Contact: Brenda Lageson

Grant Award (\$): \$16,482.00

Required Match (%): 25

Required Match (\$): \$4,120.50

Grant Execution Date: 08/19/2019

Grant End Date: 12/31/2022

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$16,482.00	\$16,482.00	\$0.00
Match Funds	\$16,559.20	\$16,559.20	\$0.00
Other Funds	\$27,814.06	\$27,814.06	\$0.00
Total	\$60,855.26	\$60,855.26	\$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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
Turtle Creek WD Match	Agricultural Practices	Local Fund	Turtle Creek WD Match	\$1,248.60	\$1,248.60	\$0.00	Y
County Match	Agricultural Practices	Local Fund	County Match	\$102.40	\$102.40	\$0.00	Y
AndersonM DRAP3-17-03(412)	Agricultural Practices	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$930.00	\$930.00	\$0.00	N
AndersonM DRAP3-17-	Agricultural Practices	Current State Grant	2014 - Minnesota Flood Relief Grant	\$5,475.00	\$5,475.00	\$0.00	N

<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>
03(412)			Phase 3B (Freeborn SWCD ..				
WayneJ_FY20-02_638	Agricultural Practices	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$1,647.52	\$1,647.52	\$0.00	N
NessB_FY20-01_638	Agricultural Practices	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$2,449.15	\$2,449.15	\$0.00	N
Federal Match	Agricultural Practices	Federal Funds	Federal Match	\$9,601.99	\$9,601.99	\$0.00	Y
Landowner Match	Agricultural Practices	Landowner Fund	Landowner Match	\$5,606.21	\$5,606.21	\$0.00	Y
HansenB_FY20-03_340	Non-Structural Management Practices	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$8,780.47	\$8,780.47	\$0.00	N
HansenB_FY20-03_340	Non-Structural Management Practices	Current State Grant	2021 - State Cost-Share Fund (Freeborn SWCD)	\$219.53	\$219.53	\$0.00	N
Technical Assistance	Technical/Engineering Assistance	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$2,674.86	\$2,674.86	\$0.00	N

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
--------------------------	---------------------------	--------------------	-------------

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Agricultural Practices	Water Pollution (Reduction Estimates)	4.62	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	13.20	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	3.93	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction	7.65	Phosphorus

Indicator Summary

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
	Estimates)		(Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	0.68	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	8.93	Soil (Est. Savings)
Agricultural Practices	Water Pollution (Reduction Estimates)	0.68	Phosphorus (Est. Reduction)
Agricultural Practices	Water Pollution (Reduction Estimates)	7.65	Sediment (Tss)
Agricultural Practices	Water Pollution (Reduction Estimates)	15.30	Soil (Est. Savings)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	116.40	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	360	Nitrogen
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	972	Soil (Est. Savings)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	133.95	Phosphorus (Est. Reduction)

Grant Activities

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

Activity Category: Agricultural Practices **Has Rates and Hours?:** 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

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.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
	13.2	
BOD 5 - LBS/YR	4.62	Lbs/Yr
METALS (MERCURY IN WATER COLUMN) - PPB	3.93	Ppb

Activity Action Name:	AndersonM_412_DRAP3-17-03	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 837 - Cfu
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
	13.20	Bwsr Calc (Gully Stabilization)	County Ditch 8
METALS (MERCURY IN WATER COLUMN) - PPB	3.93	Bwsr Calc (Gully Stabilization)	County Ditch 8
BOD 5 - LBS/YR	4.62	Bwsr Calc (Gully Stabilization)	County Ditch 8

Activity Name: AndersonMark DRAP3-17-03 WW	
Activity Category: Agricultural Practices	Has Rates and Hours?: Yes
Description: AndersonMark DRAP3-17-03 WW	
Actual Results	

Activity Name: County Match	
Activity Category: Agricultural Practices	Has Rates and Hours?: Yes
Description: County Match	
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	County Match	\$102.40	\$102.40	\$0.00	08/12/2021	Y
Actual Results						
County Match						

Activity Name: Federal Match						
Activity Category: Agricultural Practices					Has Rates and Hours?: Yes	
Description: Federal Match						
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>
Federal Funds	Federal Match	\$9,601.99	\$9,601.99	\$0.00	02/10/2022	Y
Actual Results						
Federal Match						

Activity Name: HansenB_FY20-03_340						
Activity Category: Non-Structural Management Practices					Has Rates and Hours?: Yes	
Description: Cover crops						
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)	\$8,780.47	\$8,780.47	\$0.00	10/14/2022	N
Current State Grant	2021 - State Cost-Share Fund (Freeborn SWCD)	\$219.53	\$219.53	\$0.00	10/13/2022	N

Actual Results

60 acres of cover crops for 3 years will be planted yearly totaling 180 acres of cover crops all together. The cover crop mixes will consist of 3 or species each year maximizing soil health benefits by reducing erosion from water and wind, minimizing soil compaction, and reducing water quality degradation by utilizing excessive soil nutrients.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
TOXAPHENE - PPQ	360	Ppq
BOD 5 - LBS/YR	116.4	Lbs/Yr
METALS (MERCURY IN WATER COLUMN) - PPB	133.95	Ppb
	972	

Activity Action Name:	HansenB_FY20-03_340	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 60 - Acres
TA Provider/JAA:	SWCD	Lifespan: 1 Year
Practice Description:	60 acres of cover crops were planted in 2022, and will be planted on the same acres in 2023 and 2024. The cover crops will increase the soil health across the field, reducing erosion, increasing infiltration, and building soil organic matter.	Install Date: 10/14/2022
		Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
TOXAPHENE - PPQ	360	Literature Value	County Ditch 63
	972	Bwsr Calc (Sheet And Rill)	County Ditch 63
METALS (MERCURY IN WATER COLUMN) - PPB	133.95	Bwsr Calc (Sheet And Rill)	County Ditch 63
BOD 5 - LBS/YR	116.40	Bwsr Calc (Sheet And Rill)	County Ditch 63

Activity Name: Landowner Match

Activity Category: Agricultural Practices

Has Rates and Hours?: Yes

Description: Landowner Match

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 Match	\$5,606.21	\$5,606.21	\$0.00	02/10/2022	Y

Actual Results

Activity Name: NessB_FY20-01_638

Activity Category: Agricultural Practices

Has Rates and Hours?: Yes

Description: 2 WASCOBs were installed to resolve a 700 ft long gully happening in a cropped field. The landowner implements reduced till with cover crops and was still having troubles with gully erosion because of the amount of water coming across the field.

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)	\$2,449.15	\$2,449.15	\$0.00	02/15/2022	N

Actual Results

2 WASCOBs were installed to control the gully erosion that was happening.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
METALS (MERCURY IN WATER COLUMN) - PPB	0.68	Ppb
	8.93	
BOD 5 - LBS/YR	0.68	Lbs/Yr

Activity Action Name: NessB_FY20-01_638	Activity Count: 2
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA: NRCS	Lifespan: 10 Years
Practice Description: 2 WASCObS were installed to reduce gully erosion across a cropped field.	Install Date: 12/10/2021
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	0.68	Bwsr Calc (Gully Stabilization)	County Ditch 16 BR 50
	8.93	Bwsr Calc (Gully Stabilization)	County Ditch 16 BR 50
METALS (MERCURY IN WATER COLUMN) - PPB	0.68	Bwsr Calc (Gully Stabilization)	County Ditch 16 BR 50

Activity Name: Technical Assistance

Activity Category: Technical/Engineering Assistance **Has Rates and Hours?:** Yes

Description: Staff time

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)	\$2,674.86	\$2,674.86	\$0.00	09/30/2022	N

Actual Results

2021 staff time assisting landowners with conservation practices. Resource Conservationist 8.5 hours @ \$51.36, 4 hours @ \$52.09, and 8.5 hours @ \$51.66 using billable hour rate.

Activity Name: Turtle Creek WD Match

Activity Category: Agricultural Practices

Has Rates and Hours?: Yes

Description: Turtle Creek WD Match

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 WD Match	\$1,248.60	\$1,248.60	\$0.00	08/12/2021	Y

Actual Results

Turtle Creek WD Match

Activity Name: WayneJ_FY20-02_638

Activity Category: Agricultural Practices

Has Rates and Hours?: Yes

Description: 2 WASCObS were installed to control gully erosion happening across a cropped field.

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)	\$1,647.52	\$1,647.52	\$0.00	01/14/2022	N

Actual Results

2 WASCOb's were installed to control gully erosion across a cropped field. The structures will be able to curb the erosion for many years to come.

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
BOD 5 - LBS/YR	7.65	Lbs/Yr
METALS (MERCURY IN WATER COLUMN) - PPB	7.65	Ppb
	15.3	

Activity Action Name: WayneJ_FY20-02_638	Activity Count: 2
Practice Type: 638 - Water and Sediment Control Basin	Size/Units: 2 - Acre-Feet/Yr
TA Provider/JAA: NRCS	Lifespan: 10 Years
Practice Description: 2 WASCObS were installed to control gully erosion across a cropped field.	Install Date: 12/07/2021
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
BOD 5 - LBS/YR	7.65	Bwsr Calc (Gully Stabilization)	Private ditch leading to CD64
	15.30	Bwsr Calc (Gully Stabilization)	Private ditch leading to CD64
METALS (MERCURY IN WATER COLUMN) - PPB	7.65	Bwsr Calc (Gully Stabilization)	Private ditch leading to CD64