



Grant Progress Report

Cost Share 2021

Grant Title: 2021 - State Cost-Share Fund (Freeborn SWCD)

Grant ID: P21-5286

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: 12/31/2023

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$9,219.53	\$9,219.53	\$7,262.47
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$17,560.94	\$17,560.94	\$0.00
Total	\$26,780.47	\$26,780.47	\$7,262.47

*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?
HansenC_FY21-01	Non-Structural Management Practices	Current State Grant	2021 - State Cost-Share Fund (Freeborn SWCD)	\$9,000.00	\$9,000.00	\$0.00	N
HansenB_FY20-03_340	Non-Structural Management	Current State Grant	2020 - State Cost-Share Fund (Freeborn SWCD)	\$8,780.47	\$8,780.47	\$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>
	Practices						
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

Indicator Summary

<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Activity Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	540	Soil (Est. Savings)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	116.40	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	56.48	Sediment (Tss)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	360	Nitrogen
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)
Non-Structural Management Practices	Water Pollution (Reduction Estimates)	76.95	Phosphorus (Est. Reduction)

Grant Activities

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: HansenC_FY21-01

Activity Category: Non-Structural Management Practices **Has Rates and Hours?:** Yes

Description: Cover crops planted across 60 acres for 3 years totaling 180 acres.

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	2021 - State Cost-Share Fund (Freeborn SWCD)	\$9,000.00	\$9,000.00	\$0.00	10/13/2022	N

Actual Results

Cover crops planted across 60 acres for 3 years in 2022, 2023, and 2024. Cover crops are going to be aerial applied in early September. The cover crops planted will help with nutrient cycling, minimizing soil erosion, and reduce compaction across the planted acres.

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
METALS (MERCURY IN WATER COLUMN) - PPB	76.95	Ppb
BOD 5 - LBS/YR	56.48	Lbs/Yr
	540	
TOXAPHENE - PPQ	360	Ppq

Activity Action Name: HansenC_FY21-01	Activity Count: 3
Practice Type: 340 - Cover Crop	Size/Units: 60 - Acres
TA Provider/JAA: SWCD	Lifespan: 3 Years
Practice Description: Cover crops planted across 60 acres for 3 years totaling 180 acres.	Install Date: 11/01/2024
	Mapped: Yes

Indicator Name/Units	Value	Calculation Tool	Waterbody
TOXAPHENE - PPQ	360	Literature Value	BR D to CD 48
METALS (MERCURY IN WATER COLUMN) - PPB	76.95	Bwsr Calc (Sheet And Rill)	BR D to CD 46
BOD 5 - LBS/YR	56.48	Bwsr Calc (Sheet And Rill)	BR D to CD 46
	540	Bwsr Calc (Sheet And Rill)	BR D to CD 46