



# 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	\$12,565.84	\$12,565.84	\$3,916.16
Match Funds	\$5,163.44	\$5,163.44	\$0.00
Other Funds	\$8,780.47	\$8,780.47	\$0.00
<b>Total</b>	<b>\$26,509.75</b>	<b>\$26,509.75</b>	<b>\$3,916.16</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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
LynneE_FY21-02	Agricultural Practices	Current State Grant	2021 - State Cost-Share Fund (Freeborn SWCD)	\$50.31	\$50.31	\$0.00	N
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	Other Funds	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		SWCD)				
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/Engineering	Technical/Engineering Assistance	Current State Grant	2021 - State Cost-Share Fund (Freeborn SWCD)	\$3,296.00	\$3,296.00	\$0.00	N
Federal EQIP Match	Agricultural Practices	Federal Funds	Federal EQIP	\$3,860.00	\$3,860.00	\$0.00	Y
Landowner Match	Agricultural Practices	Landowner Fund	Landowner Match	\$1,303.44	\$1,303.44	\$0.00	Y

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Nitrogen	360	Lbs/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	133.95	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	116.4	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	972	Tons/Yr
Water Pollution (Reduction Estimates)	Nitrogen	360	Lbs/Yr

## Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Estimates)			
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	76.95	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	56.48	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	540	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	2.98	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	2.98	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	8.5	Tons/Yr

## Grant Activities

### Activity Name: Federal EQIP Match

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Federal EQIP 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 EQIP	\$3,860.00	\$3,860.00	\$0.00	10/25/2023	Y

**Activity Name: HansenB\_FY20-03\_340**

**Activity Category:** Non-Structural Management Practices **Staff time?:** 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**

**Results** **Date Added**  
 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. 10/18/2022 1:38:05 PM

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Nitrogen	360	Lbs/Yr
Phosphorus (Est. Reduction)	133.95	Lbs/Yr
Soil (Est. Savings)	972	Tons/Yr
Sediment (Tss)	116.4	Tons/Yr

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
Phosphorus (Est. Reduction)	Lbs/Yr	133.95	Bwsr Calc (Sheet And Rill)	County Ditch 63
Sediment (Tss)	Tons/Yr	116.4	Bwsr Calc (Sheet And Rill)	County Ditch 63
Nitrogen	Lbs/Yr	360	Literature Value	County Ditch 63
Soil (Est. Savings)	Tons/Yr	972	Bwsr Calc (Sheet And Rill)	County Ditch 63

## Activity Name: HansenC\_FY21-01

**Activity Category:** Non-Structural Management Practices **Staff time?:** No

**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

<u>Results</u>	<u>Date Added</u>
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	10/18/2022 2:10:35 PM

**Results**

**Date Added**

cover crops planted will help with nutrient cycling, minimizing soil erosion, and reduce compaction across the planted acres.

**Final Indicators**

<b><u>Indicator</u></b>	<b><u>Total Value</u></b>	<b><u>Unit</u></b>
Sediment (Tss)	56.48	Tons/Yr
Nitrogen	360	Lbs/Yr
Phosphorus (Est. Reduction)	76.95	Lbs/Yr
Soil (Est. Savings)	540	Tons/Yr

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
Soil (Est. Savings)	Tons/Yr	540	Bwsr Calc (Sheet And Rill)	BR D to CD 46
Nitrogen	Lbs/Yr	360	Literature Value	BR D to CD 48
Phosphorus (Est. Reduction)	Lbs/Yr	76.95	Bwsr Calc (Sheet And Rill)	BR D to CD 46
Sediment (Tss)	Tons/Yr	56.48	Bwsr Calc (Sheet And Rill)	BR D to CD 46

## Activity Name: Landowner Match

Activity Category: Agricultural Practices

Staff time?: No

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	\$1,303.44	\$1,303.44	\$0.00	10/19/2023	Y

## Activity Name: LynneE\_FY21-02

Activity Category: Agricultural Practices

Staff time?: No

Description: A 775ft grassed waterway was installed. The grassed waterway will reduce gully erosion in 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	2021 - State Cost-Share Fund (Freeborn SWCD)	\$50.31	\$50.31	\$0.00	10/27/2023	N

### Actual Results

Results Date Added

Grassed waterway was installed at 775 ft long along with mulching and seeding across the new waterway.

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### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	8.5	Tons/Yr
Sediment (Tss)	2.98	Tons/Yr
Phosphorus (Est. Reduction)	2.98	Lbs/Yr

Activity Action Name:	LynneE_FY21-02	Activity Count:	1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units:	0.71 - Acres
TA Provider/JAA:	NRCS	Lifespan:	10 Years
Practice Description:	Grassed waterway was installed at that was 775ft long.	Install Date:	08/01/2023
		Mapped:	Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	2.98	Bwsr Calc (Gully Stabilization)	Private Drainage Ditch Leading to CD 46
Phosphorus (Est. Reduction)	Lbs/Yr	2.98	Bwsr Calc (Gully Stabilization)	Private Drainage Ditch Leading to CD 46
Soil (Est. Savings)	Tons/Yr	8.5	Bwsr Calc (Gully Stabilization)	Private Drainage Ditch Leading to CD 46

## Activity Name: Technical/Engineering

**Activity Category:** Technical/Engineering Assistance

**Staff time?:** No

**Description:** Technical/Engineering Assistance.

### 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)	\$3,296.00	\$3,296.00	\$0.00	06/30/2023	N

### Actual Results

**Results** **Date Added**

Staff time for technical assistance from 1/13/2023 - 6/30/2023. 2 hours @ \$64.30 = \$128.60 and 54.5 hours @ \$58.60 = \$3193.70 for a total of \$3,322.30. 11/8/2023 1:58:58 PM