



# Grant Progress Report

## Cost Share 2018

**Grant Title:** 2018 - State Cost-Share Fund (Freeborn SWCD)

**Grant ID:** P18-6613

**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:** 10/31/2017

**Grant End Date:** 12/31/2020

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$15,717.81	\$15,717.81	\$764.19
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$24,780.34	\$24,780.34	\$0.00
<b>Total</b>	<b>\$40,498.15</b>	<b>\$40,498.15</b>	<b>\$764.19</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?
DrescherC WW FY18-03	Agricultural Practices	Other Funds	2019 - State Cost-Share Fund (Freeborn SWCD)	\$899.52	\$899.52	\$0.00	N
DrescherC WW FY18-03	Agricultural Practices	Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$3,439.08	\$3,439.08	\$0.00	N
RemingtonR FY18-02	Agricultural Practices	Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$6,340.74	\$6,340.74	\$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>
WASCOB			SWCD)				
StadheimR WW FY17-01	Agricultural Practices	Other Funds	2017 - State Cost-Share Fund (Freeborn SWCD)	\$2,642.07	\$2,642.07	\$0.00	N
StadheimR WW FY17-01	Agricultural Practices	Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$2,641.99	\$2,641.99	\$0.00	N
PetersenJ FY18-01 Cover crops	Non-Structural Management Practices	Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$0.00		\$0.00	N
Technical & Engineering	Technical/Engineering Assistance	Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$3,296.00	\$3,296.00	\$0.00	N
StadheimR WW FY17-01	Agricultural Practices	Federal Funds	Federal EQIP	\$15,929.06	\$15,929.06	\$0.00	N
StadheimR WW FY17-01	Agricultural Practices	Landowner Fund	Landowner contribution	\$5,309.69	\$5,309.69	\$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)	Phosphorus (Est. Reduction)	8.44	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	7.34	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	105	Tons/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)	4.03	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	3.5	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	3.5	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	6.76	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	5.88	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	16.8	Tons/Yr

## Grant Activities

**Activity Name:** DrescherC WW FY18-03

**Activity Category:** Agricultural Practices

**Staff time?:** No

**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	2019 - State Cost-Share Fund (Freeborn SWCD)	\$899.52	\$899.52	\$0.00	10/15/2020	N
Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$3,439.08	\$3,439.08	\$0.00	10/15/2020	N

### Actual Results

#### Results

#### Date Added

A grassed waterway was installed that is 800 feet long and 60 feet wide. The watershed upstream of the waterway is 350 acres. 1.1 acres of a critical area planting was installed to ensure the waterway can work properly. The water that flows through the grassed waterway eventually makes it to County Ditch 79. 7.44 tons per year of sediment, 105 tons per year of soil saved, and 8.44 tons per year of phosphorus is saved from entering County Ditch 79 directly.

10/20/2020 2:21:15 PM

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	7.34	Tons/Yr
Phosphorus (Est. Reduction)	8.44	Lbs/Yr
Soil (Est. Savings)	105	Tons/Yr

Activity Action Name:	DrescherC WW FY18-03	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 800 - Linear Feet
TA Provider/JAA:	TSA	Lifespan: 10 Years
Practice Description:	A grassed waterway was installed that is 800 feet long and 60 feet wide. The watershed upstream of the waterway is 350 acres. 1.1 acres of a critical area planting was installed to ensure the waterway can work properly. The water that flows through the grassed waterway eventually makes it to County Ditch 79. 7.44 tons per year of sediment, 105 tons per year of soil saved, and 8.44 tons per year of phosphorus is saved from entering County Ditch 79 directly.	Install Date: 10/31/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	7.34	Bwsr Calc (Gully Stabilization)	County Ditch 79 Tributary to Bear Lake
Soil (Est. Savings)	Tons/Yr	105	Bwsr Calc (Gully Stabilization)	County Ditch 79 Tributary to Bear Lake
Phosphorus (Est. Reduction)	Lbs/Yr	8.44	Bwsr Calc (Gully Stabilization)	County Ditch 79 Tributary to Bear Lake

### Activity Name: PetersenJ FY18-01 Cover crops

**Activity Category:** Non-Structural Management Practices

**Staff time?:** No

**Description:** First time trying cover crops. Was unable to get planted this year due to unfavorable planting conditions.

#### 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	2018 - State Cost-Share Fund (Freeborn SWCD)	\$0.00		\$0.00		N

#### Actual Results

<u>Results</u>	<u>Date Added</u>
This project was cancelled as producer could not get it planted after 2 seasons.	1/16/2020 8:48:10 AM

### Activity Name: RemingtonR FY18-02 WASCOB

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Project construction was completed in 2020. Funds are being piggy-back with federal EQIP funds.

#### 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	2018 - State Cost-Share Fund (Freeborn SWCD)	\$6,340.74	\$6,340.74	\$0.00	08/13/2020	N

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

There were two water and sediment control structures installed just upstream of a private ditch that had some gully cuts on the ditch bank. With the WASCOS installed they help funnel the water down tile and into the ditch. The upstream basin is 650 ft long and the downstream basin is 750 ft long. A critical area planting was also completed that was 1 acre. The total drainage area is 19 acres. The stream eventually leads to the Cedar River. The practices are reducing 3.50 (TSS) tons/year, 3.50 tons of soil, and 1.03 lbs of phosphorus per year from entering the stream.

1/16/2020 8:50:00 AM

**Final Indicators**

<b><u>Indicator</u></b>	<b><u>Total Value</u></b>	<b><u>Unit</u></b>
Sediment (Tss)	3.5	Tons/Yr
Phosphorus (Est. Reduction)	4.03	Lbs/Yr
Soil (Est. Savings)	3.5	Tons/Yr

Activity Action Name: RemingtonR FY18-02 WASCOS

Practice Type: 638 - Water and Sediment Control Basin

TA Provider/JAA: TSA

Practice Description: There were two water and sediment control structures installed just upstream of a private ditch that had some gully cuts on the ditch bank. With the WASCOS installed they help funnel the water down tile and into the ditch. The upstream basin is 650 ft long and the downstream basin is 750 ft long. A critical area planting was also completed that was 1 acre. The total drainage area is 19 acres. The stream eventually leads to the Cedar River. The practices are reducing 3.50 (TSS) tons/year, 3.50 tons of soil, and 1.03 lbs of phosphorus per year from entering the stream.

Activity Count: 2

Size/Units: 1450 - Linear Feet

Lifespan: 10 Years

Install Date: 09/30/2020

Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	3.5	Bwsr Calc (Gully Stabilization)	Tributary to Cedar River
Phosphorus (Est. Reduction)	Lbs/Yr	4.03	Bwsr Calc (Gully Stabilization)	Tributary to Cedar River
Sediment (Tss)	Tons/Yr	3.5	Bwsr Calc (Gully Stabilization)	Tributary to Cedar River

## Activity Name: StadheimR WW FY17-01

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** To install a grassed waterway to reduce gully erosion.

### 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	\$5,309.69	\$5,309.69	\$0.00	12/10/2020	Y
Federal Funds	Federal EQIP	\$15,929.06	\$15,929.06	\$0.00	12/10/2020	N
Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$2,642.07	\$2,642.07	\$0.00	12/10/2020	N
Current State Grant	2018 - State Cost-Share Fund (Freeborn SWCD)	\$2,641.99	\$2,641.99	\$0.00	12/10/2020	N

### Actual Results

**Results** **Date Added**

A grassed waterway was installed to reduce gully erosion. 5.88 t/y of TSS, 16.80 t/y of soil, and 6.76 lbs/yr of phosphorus are prevented from entering a tributary that leads to Fountain Lake in Albert Lea. 12/22/2020 11:11:33 AM

Final Indicators		
<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Soil (Est. Savings)	16.8	Tons/Yr
Phosphorus (Est. Reduction)	6.76	Lbs/Yr
Sediment (Tss)	5.88	Tons/Yr

Activity Action Name:	StadheimR WW FY17-01	Activity Count: 1
Practice Type:	412 - Grassed Waterway and Swales	Size/Units: 1740 - Linear Feet
TA Provider/JAA:	NRCS	Lifespan: 10 Years
Practice Description:	Grassed waterway was installed to reduce gully erosion.	Install Date: 09/23/2020
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	5.88	Bwsr Calc (Gully Stabilization)	Tributary to Fountain Lake.
Phosphorus (Est. Reduction)	Lbs/Yr	6.76	Bwsr Calc (Gully Stabilization)	Tributary to Fountain Lake.
Soil (Est. Savings)	Tons/Yr	16.8	Bwsr Calc (Gully Stabilization)	Tributary to Fountain Lake.

## Activity Name: Technical & Engineering

Activity Category: Technical/Engineering Assistance	Staff time?: Yes
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Description: Technical/Engineering

### 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	2018 - State Cost-Share Fund (Freeborn SWCD)	\$3,296.00	\$3,296.00	\$0.00	09/30/2020	N



**Actual Results**

<u>Results</u>	<u>Date Added</u>
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Reviewing possible projects with landowners. Manager 2 hours @ \$69.22-BWSR billable rate. Two projects were installed in 2020. Technician 8 hours @ \$44.77, 6 hours @ \$45.01, and 52 hours @ \$48.76 were billed out over the last 2 years. Total of \$3302.18.	1/23/2019 3:33:17 PM
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