



# Grant Progress Report

## Cost Share 2017

**Grant Title:** 2017 - State Cost-Share Fund (Freeborn SWCD)

**Grant ID:** P17-1503

**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:**

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

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$16,482.00	\$16,482.00	\$0.00
Match Funds	\$5,309.69	\$5,309.69	\$0.00
Other Funds	\$54,507.58	\$54,507.58	\$0.00
<b>Total</b>	<b>\$76,299.27</b>	<b>\$76,299.27</b>	<b>\$0.00</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?
Soil Erosion - 2017 Flexible Choice Cover Crops	Agricultural Practices	Local Fund	County Funds	\$5,192.68	\$5,192.68	\$0.00	Y
Soil Erosion - 2017 soil health cost share	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,600.40	\$4,600.40	\$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>
Soil Erosion - 2017 soil health cost share	Agricultural Practices	Other Funds	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$24,700.00	\$24,700.00	\$0.00	N
Soil Erosion - 2017 Flexible Choice Cover Crops	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,810.38	\$4,810.38	\$0.00	N
StadheimR_WW_FY16-04	Agricultural Practices	Other Funds	2016 - State Cost-Share Fund (Freeborn SWCD)	\$1,315.60	\$1,315.60	\$0.00	N
StadheimR_WW_FY16-04	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$1,133.15	\$1,133.15	\$0.00	N
StadheimR_WW_FY17-01	Agricultural Practices	Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$2,642.07	\$2,642.07	\$0.00	N
StadheimR_WW_FY17-01	Agricultural Practices	Other Funds	2018 - State Cost-Share Fund (Freeborn SWCD)	\$2,641.99	\$2,641.99	\$0.00	N
Technical Assistance	Technical/Engineering Assistance	Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$3,296.00	\$3,296.00	\$0.00	N
StadheimR_WW_FY16-04	Agricultural Practices	Federal Funds	EQIP	\$2,934.00	\$2,934.00	\$0.00	N
StadheimR_WW_FY17-01	Agricultural Practices	Federal Funds	Federal EQIP	\$15,929.06	\$15,929.06	\$0.00	N
StadheimR_WW_FY16-04	Agricultural Practices	Landowner Fund	Landowner Fund	\$963.51	\$963.51	\$0.00	N
StadheimR_WW_FY16-04	Agricultural Practices	Landowner Fund	Landowner Contribution	\$830.74	\$830.74	\$0.00	N
StadheimR_WW_FY17-01	Agricultural Practices	Landowner Fund	Landowner contribution	\$5,309.69	\$5,309.69	\$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>
01							

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

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Pollution Prevention	Prevention	3	Count
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	56.68	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	30.56	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	38.62	Tons/Yr
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	91.98	Lbs/Yr
Water Pollution (Reduction Estimates)	Sediment (Tss)	49.52	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	59.4	Tons/Yr
Water Pollution	Phosphorus (Est. Reduction)	0	Lbs/Yr

## Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
(Reduction Estimates)			
Water Pollution (Reduction Estimates)	Sediment (Tss)	0	Tons/Yr
Water Pollution (Reduction Estimates)	Soil (Est. Savings)	4.2	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: Redman FY17-CAP-CC-05

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

**Staff time?:** No

**Description:** Cover crops

### Actual Results

**Results** **Date Added**

Contracted and planned for three consecutive years of cover crops on 40 acres. 2017 payment was made from 2017 capacity funds. Priority 1/23/2018 2:52:57 PM

**Results**

**Date Added**

fields adjacent to impaired water and using manure.

**Activity Name: Soil Erosion - 2017 Flexible Choice Cover Crops**

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Soil Erosion - 2017 Farmer's Choice Cover Crops

Freeborn County Comprehensive Water Plan (Goal 7 - protect and preserve topsoil)

To promote soil health practices by offering reimbursement of \$500 per producer for cover crop seed expenses. Will follow NRCS or other approved standard for cover crop and follow CWF policy.

**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 Funds	\$5,192.68	\$5,192.68	\$0.00	12/12/2019	Y
Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,810.38	\$4,810.38	\$0.00	11/08/2019	N

**Actual Results**

**Results**

**Date Added**

Created policy for new program and began to advertise.

2/9/2017 6:18:17 PM

2018 update. Program is showing little interest with all the other cover crop programs out there. Re-allocated \$3,227.67 into equipment category for the purchase of 2 laptops for staff everyday use to carry out duties as assigned.

2019 update. Used to fund cover crops and purchase cover crop promo signs for producers \$305.86 with the balance being paid from the public relations work plan item.

**Final Indicators**

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Phosphorus (Est. Reduction)	91.98	Lbs/Yr
Sediment (Tss)	49.52	Tons/Yr
Soil (Est. Savings)	59.4	Tons/Yr

Activity Action Name: Besier FY17-CAP-CC-07	Activity Count: 1
Practice Type: 340 - Cover Crop	Size/Units: 180 - Acres
TA Provider/JAA:	Lifespan: 3 Years
Practice Description: Cover crops	Install Date: 11/08/2019
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	91.98	Bwsr Calc (Sheet And Rill)	County Ditch 23
Soil (Est. Savings)	Tons/Yr	59.4	Bwsr Calc (Sheet And Rill)	County Ditch 23
Sediment (Tss)	Tons/Yr	49.52	Bwsr Calc (Sheet And Rill)	County Ditch 23

**Activity Name: Soil Erosion - 2017 soil health cost share**

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Soil Erosion - 2017 soil health cost share

Freeborn County Comprehensive Water Plan (Goal 7 - protect and preserve topsoil)

To promote soil health practices by providing cost share for cover crops and reduced tillage (no-till and strip till) by creating incentive payments. Prioritization, payment rates, and policy would be based on existing 2017 Freeborn SWCD NLMP.

**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	2017 - State Cost-Share Fund (Freeborn SWCD)	\$4,600.40	\$4,600.40	\$0.00	10/10/2019	N
Current State Grant	2017 - SWCD Local Capacity Services (Freeborn SWCD)	\$24,700.00	\$24,700.00	\$0.00	12/12/2019	N

### Actual Results

<u>Results</u>	<u>Date Added</u>
----------------	-------------------

5 new cover crop cost share contracts planted on a total of 160 acres. Encumbered contracts with 5 producers on priority lands for three consecutive years. Producers completed first year of cover crops and were paid a partial payment for the completed acres. All producers chose 3 or more species option with an over-wintering option.

2/9/2017 6:15:56 PM

Producers completed 2nd year of cover crops and were paid a partial payment for the completed acres. All producers chose 3 or more species option with an over-wintering option.

2019 final payments for cover crops were made on 2 contracts that were split between 17 Capacity funding and 17 State Cost share in the amount of \$7,210.38.

### Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Prevention	3	Count
Phosphorus (Est. Reduction)	56.68	Lbs/Yr
Sediment (Tss)	30.56	Tons/Yr
Soil (Est. Savings)	38.62	Tons/Yr

Activity Action Name:	Bangert FY17-CAP-CC-01	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 1 - Count
TA Provider/JAA:		Lifespan: 3 Years
Practice Description:	3rd year of 3 years	Install Date: 09/15/2019
		Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	0.14	Bwsr Calc (Sheet And Rill)	Upper Twin Lake
Soil (Est. Savings)	Tons/Yr	0.8	Bwsr Calc (Sheet And Rill)	Upper Twin Lake
Phosphorus (Est. Reduction)	Lbs/Yr	0.17	Bwsr Calc (Sheet And Rill)	Upper Twin Lake
Phosphorus (Est. Reduction)	Lbs/Yr	0.34	Bwsr Calc (Sheet And Rill)	Upper Twin Lake
Soil (Est. Savings)	Tons/Yr	0.4	Bwsr Calc (Sheet And Rill)	Upper Twin Lake
Sediment (Tss)	Tons/Yr	0.07	Bwsr Calc (Sheet And Rill)	Upper Twin Lake

Activity Action Name:	Ness FY17-CAP-CC-02	Activity Count: 3
Practice Type:	340 - Cover Crop	Size/Units: 1 - Count
TA Provider/JAA:		Lifespan: 3 Years
Practice Description:	3rd year of 3 years	Install Date: 09/15/2019
		Mapped: Yes



Indicator Name	Units	Value	Calculation Tool	Waterbody
Soil (Est. Savings)	Tons/Yr	8.26	Bwsr Calc (Sheet And Rill)	Tributary to Shell Rock River
Sediment (Tss)	Tons/Yr	7.26	Bwsr Calc (Sheet And Rill)	Tributary to Shell Rock River
Phosphorus (Est. Reduction)	Lbs/Yr	15.6	Bwsr Calc (Sheet And Rill)	Tributary to Shell Rock River

Activity Action Name: Stadheim FY17-CAP-CC-03	Activity Count: 3
Practice Type: 340 - Cover Crop	Size/Units: 1 - Count
TA Provider/JAA:	Lifespan: 3 Years
Practice Description: 3rd year of 3 years	Install Date: 09/19/2019
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	3.25	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Phosphorus (Est. Reduction)	Lbs/Yr	11.64	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Phosphorus (Est. Reduction)	Lbs/Yr	5.65	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Soil (Est. Savings)	Tons/Yr	3.58	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Soil (Est. Savings)	Tons/Yr	3.58	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Soil (Est. Savings)	Tons/Yr	4	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Sediment (Tss)	Tons/Yr	4.46	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake
Sediment (Tss)	Tons/Yr	3.25	Bwsr Calc (Sheet And Rill)	Tributary to Fountain Lake

Activity Action Name: WangenZ FY17-CAP-CC-04	Activity Count: 3
Practice Type: 340 - Cover Crop	Size/Units: 1 - Count
TA Provider/JAA:	Lifespan: 3 Years
Practice Description: Year 2 of 3 years	Install Date: 09/19/2019
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Sediment (Tss)	Tons/Yr	3.71	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Soil (Est. Savings)	Tons/Yr	13	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Phosphorus (Est. Reduction)	Lbs/Yr	15.17	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Soil (Est. Savings)	Tons/Yr	5	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Phosphorus (Est. Reduction)	Lbs/Yr	8.11	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Sediment (Tss)	Tons/Yr	4.21	Bwsr Calc (Sheet And Rill)	Tributary to Geneva Lake
Sediment (Tss)	Tons/Yr	4.21	Bwsr Calc (Sheet And Rill)	Tributary to Geveva Lake

Activity Action Name: Redman FY17-CAP-CC-05	Activity Count: 4
Practice Type: 340 - Cover Crop	Size/Units: 1 - Count
TA Provider/JAA:	Lifespan: 3 Years
Practice Description: 3rd year of 3 years	Install Date: 09/14/2019
	Mapped: Yes

Indicator Name	Units	Value	Calculation Tool	Waterbody
Prevention	Count	1	Other	Stream in the LeSueur Watershed
Prevention	Count	2	Other	Stream in the LeSueur Watershed

## 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: StadheimR\_WW\_FY16-04

**Activity Category:** Agricultural Practices

**Staff time?:** No

**Description:** Waterway 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>
Federal Funds	EQIP	\$2,934.00	\$2,934.00	\$0.00	10/15/2020	N
Current State Grant	2016 - State Cost-Share Fund (Freeborn SWCD)	\$1,315.60	\$1,315.60	\$0.00	10/15/2020	N
Landowner Fund	Landowner Fund	\$963.51	\$963.51	\$0.00	10/05/2020	N
Current State Grant	2017 - State Cost-Share Fund (Freeborn SWCD)	\$1,133.15	\$1,133.15	\$0.00	10/15/2020	N
Landowner Fund	Landowner Contribution	\$830.74	\$830.74	\$0.00	10/05/2020	N

## Actual Results

<u>Results</u>	<u>Date Added</u>
----------------	-------------------

Grassed waterway installed is 600 feet long 50 feet wide and has a watershed 25 acres. There was 0.5 acres of a critical area planting to ensure the grassed waterway can remain in good condition. The grassed waterway is saving 4.20 tons/yr of sediment from moving downstream. The waterway is in the Bancroft Creek watershed.

10/19/2020 3:23:22 PM

## Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Sediment (Tss)	0	Tons/Yr
Soil (Est. Savings)	4.2	Tons/Yr
Phosphorus (Est. Reduction)	0	Lbs/Yr

<p>Activity Action Name: StadheimR_WW-FY16-04</p> <p>Practice Type: 412 - Grassed Waterway and Swales</p> <p>TA Provider/JAA: NRCS</p> <p>Practice Description: Grassed waterway installed is 600 feet long 50 feet wide and has a watershed 25 acres. There was 0.5 acres of a critical area planting to ensure the grassed waterway can remain in good condition. The grassed waterway is saving 4.20 tons/yr of sediment from moving downstream. The waterway is in the Bancroft Creek watershed.</p>	<p>Activity Count: 1</p> <p>Size/Units: 600 - Linear Feet</p> <p>Lifespan: 10 Years</p> <p>Install Date: 10/31/2020</p> <p>Mapped: Yes</p>
--	--

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	0	Bwsr Calc (Gully Stabilization)	Bancroft Creek
Sediment (Tss)	Tons/Yr	0	Bwsr Calc (Gully Stabilization)	Bancroft Creek
Soil (Est. Savings)	Tons/Yr	4.2	Bwsr Calc (Gully Stabilization)	Bancroft Creek

## Activity Name: Technical Assistance

Activity Category: Technical/Engineering Assistance

Staff time?: Yes

Description: Technical 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	2017 - State Cost-Share Fund (Freeborn SWCD)	\$3,296.00	\$3,296.00	\$0.00	07/11/2019	N

### Actual Results

Results Date Added

Staff working with engineers to survey and design potential projects. Preliminary eligibility and engineering calculations. Mgr. 21.5 hours @ \$64.26, 3 Tech 22 hours @ \$30.92. Used BWSR billable rate calculator. 1/27/2017 3:06:55 PM

2018 staff continue working with engineers to survey and design potential projects. Preliminary eligibility and engineering calculations. Office Mgr. 1 hour @ \$53.75, 3 Tech 15.5 hours @ \$33.24, Manager/Tech. 5 hours @ \$69.22. Used BWSR billable rate calculator. 1 cover crops also partially funded with this grant the balance paid out of 17 Capacity.